

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
 Data File : VY002297.D
 Acq On : 13 Apr 2020 21:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:02:00 AM

Quant Time: Apr 14 09:36:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	141782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	268946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	246150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	111585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	82595	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
35) Dibromofluoromethane	7.74	113	84953	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.19	98	346896	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.49	95	113159	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	74544	52.022	ug/l	95
3) Chloromethane	2.12	50	97168	53.880	ug/l	99
4) Vinyl Chloride	2.26	62	99307	51.735	ug/l	97
5) Bromomethane	2.66	94	66893	56.432	ug/l	97
6) Chloroethane	2.80	64	60074	54.266	ug/l	97
7) Trichlorofluoromethane	3.14	101	127126	51.282	ug/l	98
8) Diethyl Ether	3.55	74	62102	58.928	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	90215	53.575	ug/l	99
10) Methyl Iodide	4.11	142	106029	54.170	ug/l	97
11) Tert butyl alcohol	4.98	59	49808	303.744	ug/l	99
12) 1,1-Dichloroethene	3.89	96	94441	55.165	ug/l	94
13) Acrolein	3.75	56	52487	258.178	ug/l	97
14) Allyl chloride	4.50	41	148782	53.818	ug/l	97
15) Acrylonitrile	5.19	53	158337	293.802	ug/l	99
16) Acetone	3.97	43	101360	244.076	ug/l	95
17) Carbon Disulfide	4.21	76	310356	54.586	ug/l	98
18) Methyl Acetate	4.50	43	75514	58.624	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	261320	58.062	ug/l	97
20) Methylene Chloride	4.74	84	112980	55.351	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	108867	56.654	ug/l	97
22) Diisopropyl ether	6.14	45	311938	56.068	ug/l	97
23) Vinyl Acetate	6.08	43	1008855	284.552	ug/l	100
24) 1,1-Dichloroethane	6.05	63	178690	56.467	ug/l	99
25) 2-Butanone	7.01	43	179869	273.690	ug/l	100
26) 2,2-Dichloropropane	7.00	77	126795	47.899	ug/l	96
27) cis-1,2-Dichloroethene	7.01	96	122629	58.542	ug/l	95
28) Bromochloromethane	7.35	49	71557	52.383	ug/l	97
29) Tetrahydrofuran	7.36	42	123414	284.086	ug/l	98
30) Chloroform	7.53	83	170042	57.004	ug/l	96
31) Cyclohexane	7.80	56	168489	50.724	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	135215	54.459	ug/l	99
36) 1,1-Dichloropropene	7.94	75	135016	50.967	ug/l	98
37) Ethyl Acetate	7.10	43	81019	53.536	ug/l	99
38) Carbon Tetrachloride	7.92	117	116324	51.336	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
 Data File : VY002297.D
 Acq On : 13 Apr 2020 21:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:02:00 AM

Quant Time: Apr 14 09:36:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	180796	50.171	ug/l	96
40) Benzene	8.18	78	437064	54.380	ug/l	100
41) Methacrylonitrile	7.35	41	47771m	53.510	ug/l	
42) 1,2-Dichloroethane	8.25	62	104866	52.671	ug/l	97
43) Isopropyl Acetate	8.29	43	149289	54.089	ug/l	98
44) Trichloroethene	8.95	130	126320	53.457	ug/l	94
45) 1,2-Dichloropropane	9.23	63	109586	54.952	ug/l	99
46) Dibromomethane	9.32	93	58136	55.756	ug/l	99
47) Bromodichloromethane	9.51	83	133316	55.723	ug/l	96
48) Methyl methacrylate	9.30	41	65899	53.248	ug/l	95
49) 1,4-Dioxane	9.31	88	17185	1165.138	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	394446	274.262	ug/l	98
52) Toluene	10.25	92	265913	54.899	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	143018	54.866	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	172177	54.941	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	85898	56.270	ug/l	97
56) Ethyl methacrylate	10.52	69	125114	57.425	ug/l	94
57) 1,3-Dichloropropane	10.80	76	149816	55.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	301624	267.337	ug/l	99
59) 2-Hexanone	10.84	43	268933	269.430	ug/l	98
60) Dibromochloromethane	10.99	129	93355	57.352	ug/l	100
61) 1,2-Dibromoethane	11.10	107	83376	57.371	ug/l	99
64) Tetrachloroethene	10.72	164	132448	53.221	ug/l	98
65) Chlorobenzene	11.52	112	275912	53.923	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	92855	54.965	ug/l	98
67) Ethyl Benzene	11.60	91	495877	52.938	ug/l	99
68) m/p-Xylenes	11.70	106	374569	106.764	ug/l	98
69) o-Xylene	12.03	106	176497	53.584	ug/l	98
70) Styrene	12.05	104	313983	54.944	ug/l	98
71) Bromoform	12.21	173	52560	57.212	ug/l #	99
73) Isopropylbenzene	12.33	105	461773	52.676	ug/l	100
74) N-amyl acetate	12.15	43	133448	53.628	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	60635	57.170	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	67638m	52.200	ug/l	
77) Bromobenzene	12.61	156	105417	54.658	ug/l	97
78) n-propylbenzene	12.67	91	562051	51.552	ug/l	100
79) 2-Chlorotoluene	12.76	91	310948	52.481	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	380502	52.484	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	36246	54.407	ug/l	95
82) 4-Chlorotoluene	12.86	91	318693	51.319	ug/l	98
83) tert-Butylbenzene	13.08	119	319034	52.536	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	377804	52.186	ug/l	99
85) sec-Butylbenzene	13.26	105	465768	51.486	ug/l	100
86) p-Isopropyltoluene	13.38	119	398497	51.181	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	200467	53.633	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	197304	52.002	ug/l	100
89) n-Butylbenzene	13.70	91	397319	49.784	ug/l	99
90) Hexachloroethane	13.97	117	77608	52.308	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	181777	53.521	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13424	52.333	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
Data File : VY002297.D
Acq On : 13 Apr 2020 21:36
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:02:00 AM

Quant Time: Apr 14 09:36:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	111082	50.037	ug/l	99
94) Hexachlorobutadiene	15.12	225	56191	50.255	ug/l	99
95) Naphthalene	15.24	128	259469	53.381	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	96553	50.089	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

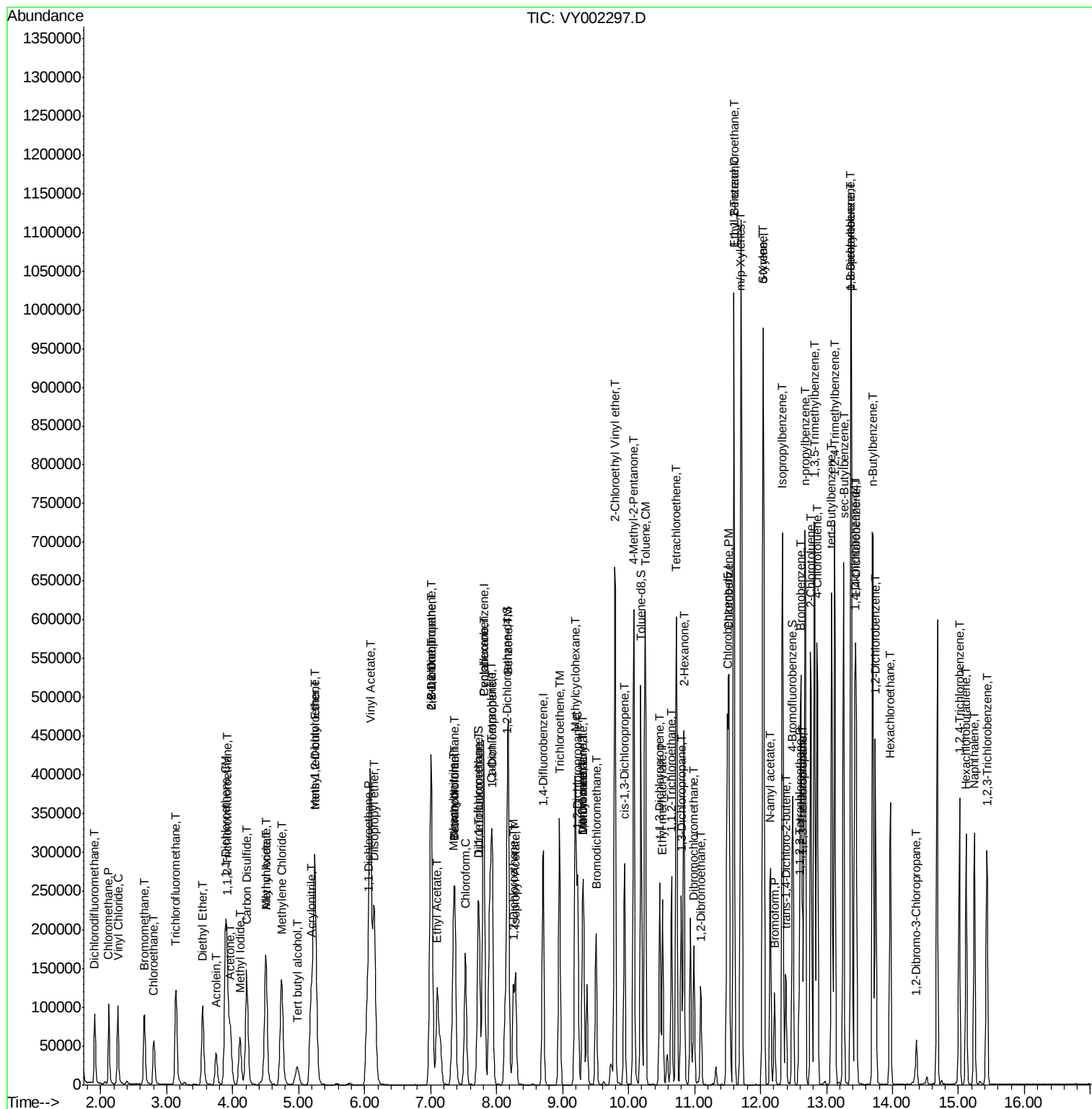
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
 Data File : VY002297.D
 Acq On : 13 Apr 2020 21:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

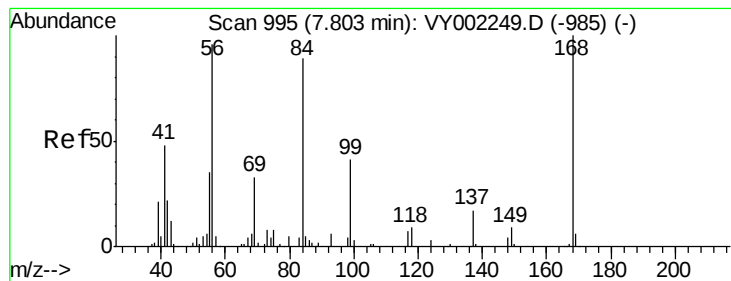
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:02:00 AM

Quant Time: Apr 14 09:36:58 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 141782

Ion Ratio Lower Upper

168 100

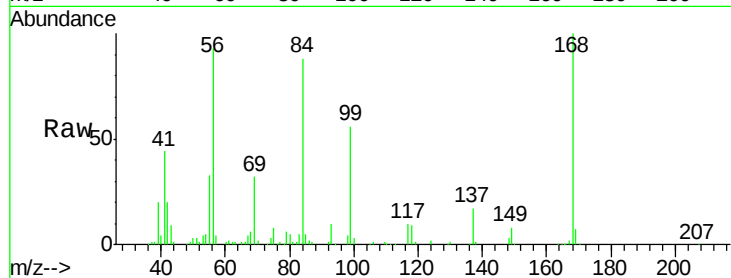
99 55.8 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:02:00 AM



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

60000

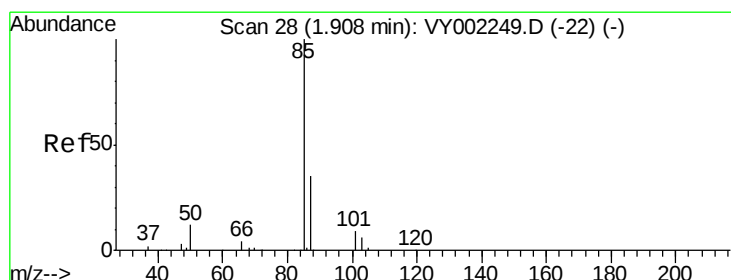
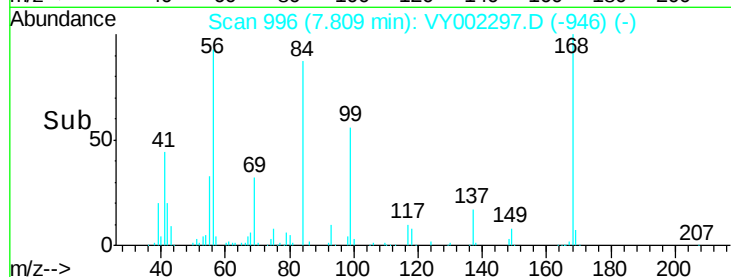
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 52.022 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY002297.D

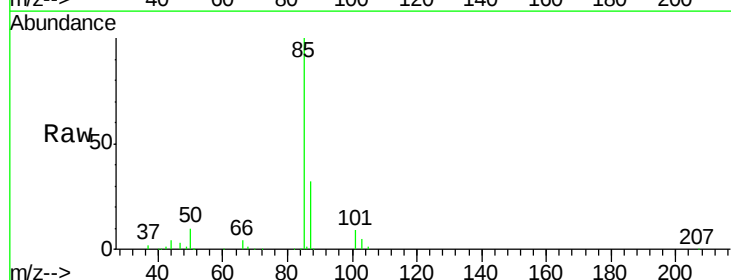
Acq: 13 Apr 2020 21:36

Tgt Ion: 85 Resp: 74544

Ion Ratio Lower Upper

85 100

87 31.8 17.3 51.9



Abundance Ion 84.90 (84.60 to 85.60): VY002249.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002249.D (-22) (-)

1.91

60000

50000

40000

30000

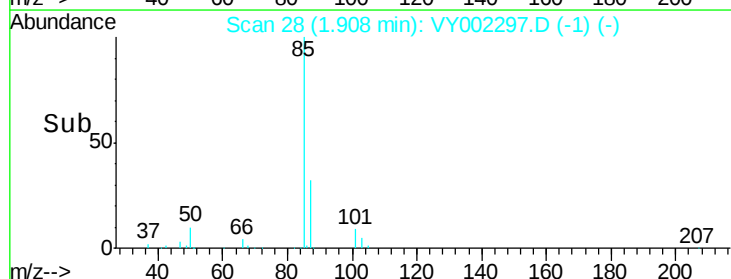
20000

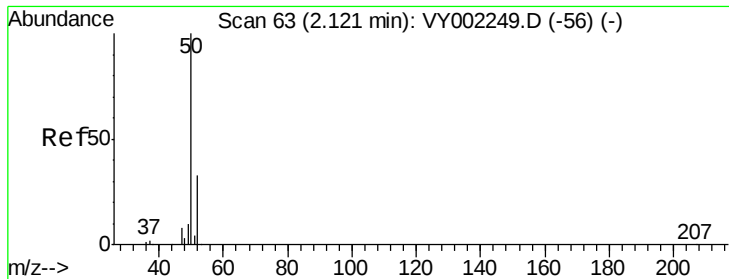
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 53.880 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 97168

Ion Ratio Lower Upper

50 100

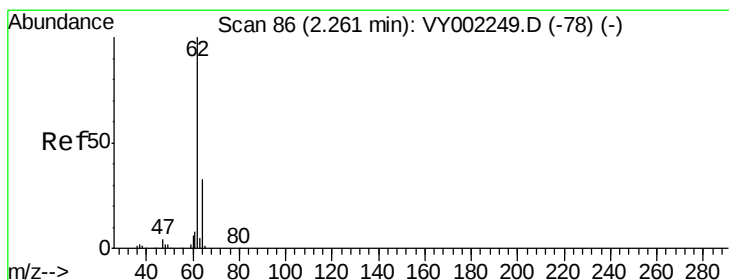
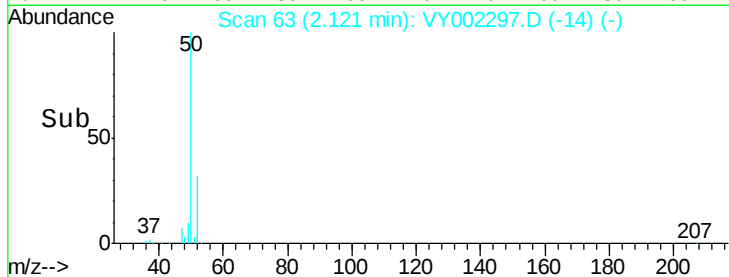
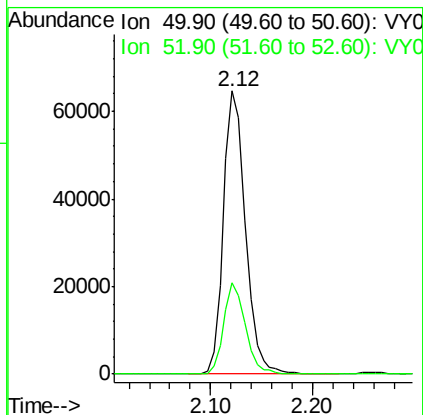
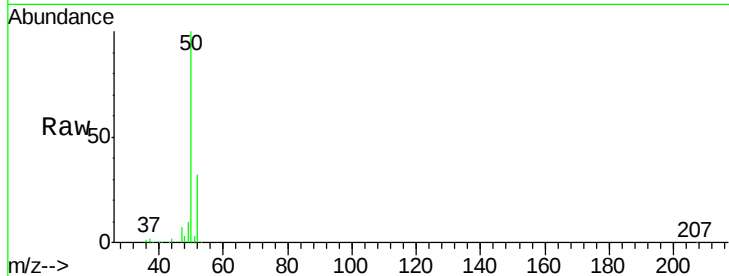
52 32.5 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:02:00 AM



#4

Vinyl Chloride

Concen: 51.735 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002297.D

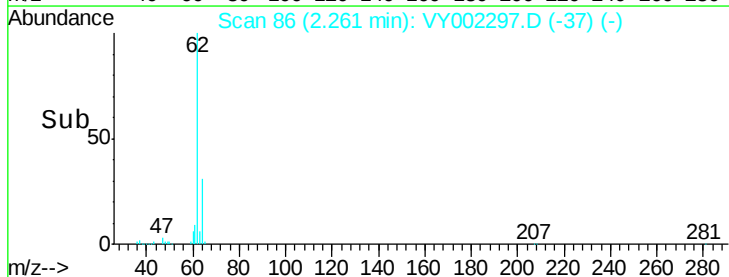
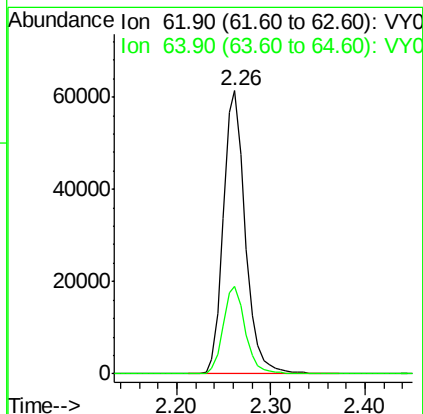
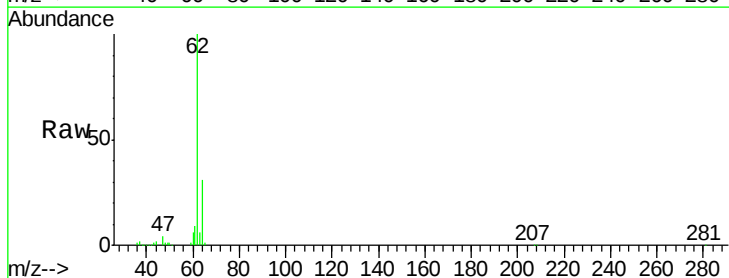
Acq: 13 Apr 2020 21:36

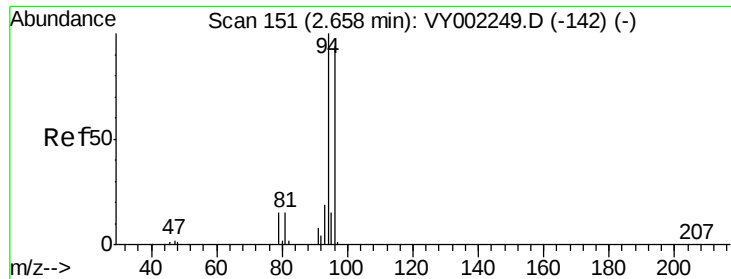
Tgt Ion: 62 Resp: 99307

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.2





#5

Bromomethane

Concen: 56.432 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 66893

Ion Ratio Lower Upper

94 100

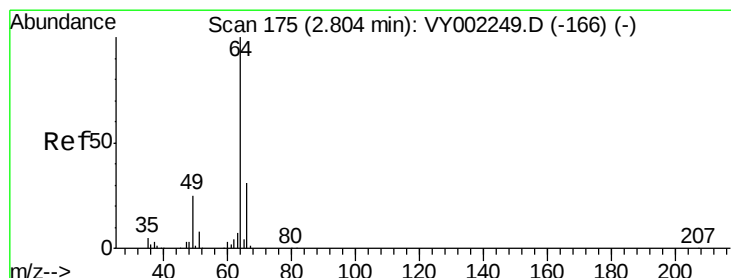
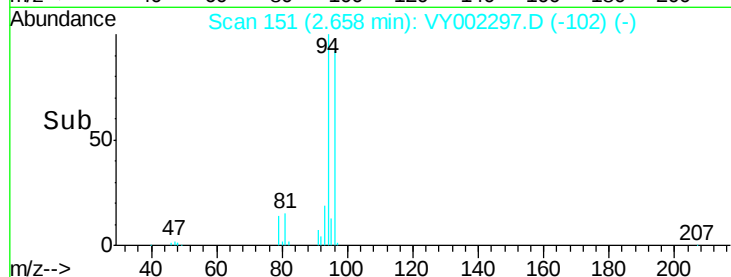
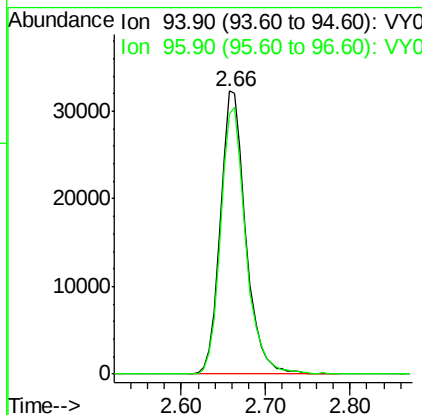
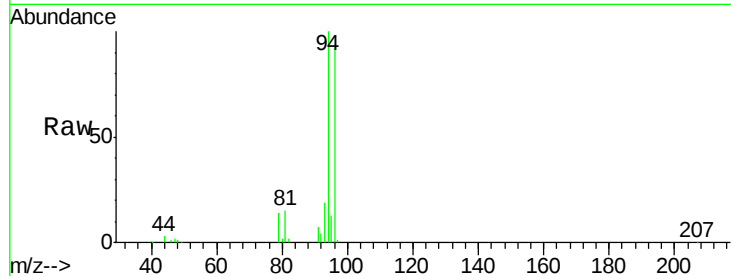
96 92.0 75.6 113.4

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:02:00 AM



#6

Chloroethane

Concen: 54.266 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002297.D

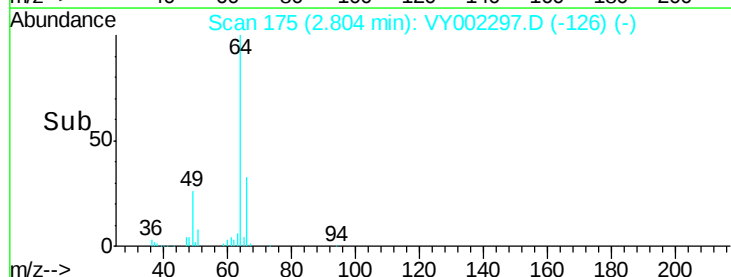
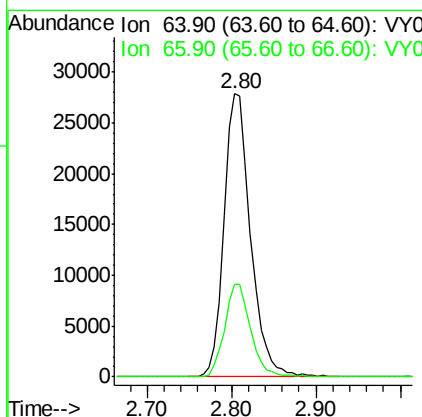
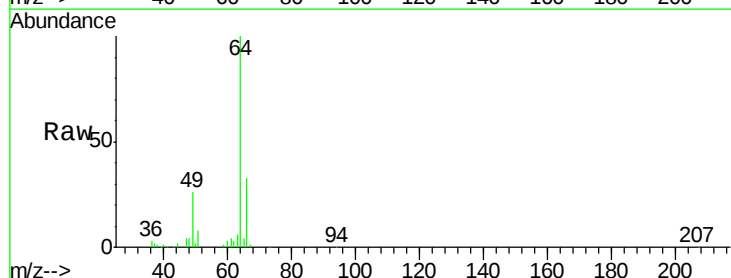
Acq: 13 Apr 2020 21:36

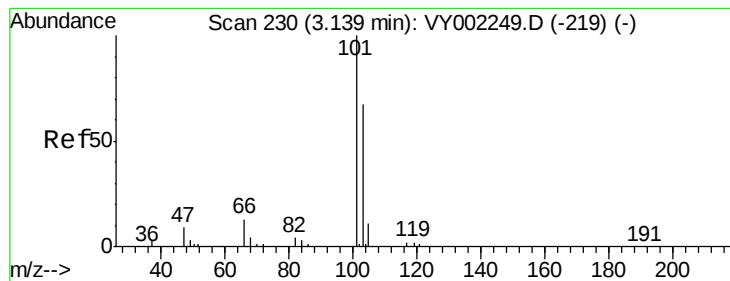
Tgt Ion: 64 Resp: 60074

Ion Ratio Lower Upper

64 100

66 32.7 24.6 37.0





#7

Trichlorofluoromethane

Concen: 51.282 ug/l

RT: 3.14 min Scan# 230

Delta R.T. 0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 127126

Ion Ratio Lower Upper

101 100

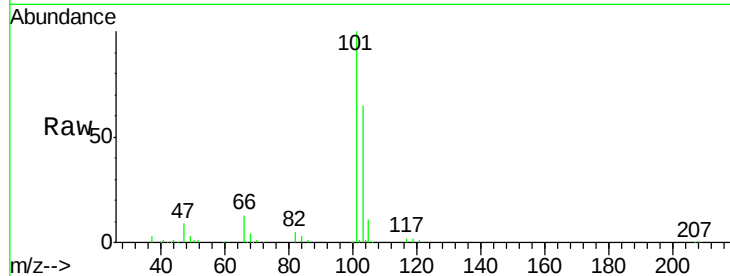
103 65.0 53.3 79.9

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:02:00 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.14

60000

50000

40000

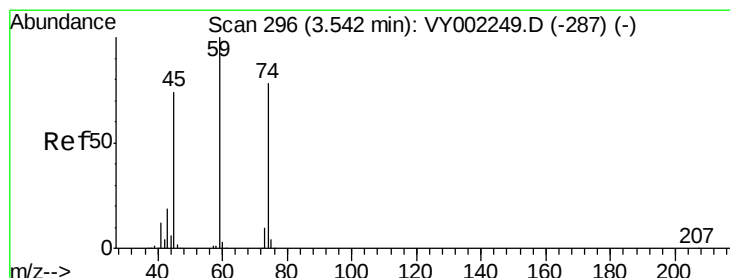
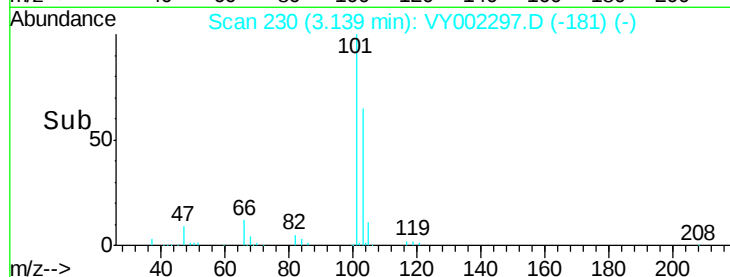
30000

20000

10000

0

Time--> 3.00 3.10 3.20 3.30



#8

Diethyl Ether

Concen: 58.928 ug/l

RT: 3.55 min Scan# 297

Delta R.T. 0.01 min

Lab File: VY002297.D

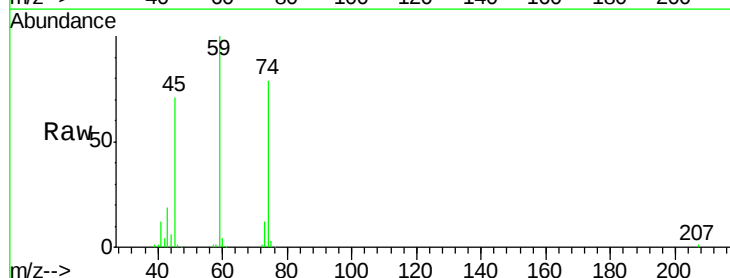
Acq: 13 Apr 2020 21:36

Tgt Ion: 74 Resp: 62102

Ion Ratio Lower Upper

74 100

45 92.9 48.0 144.2



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0

3.55

30000

25000

20000

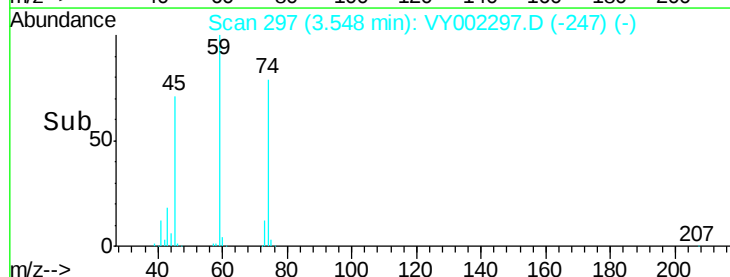
15000

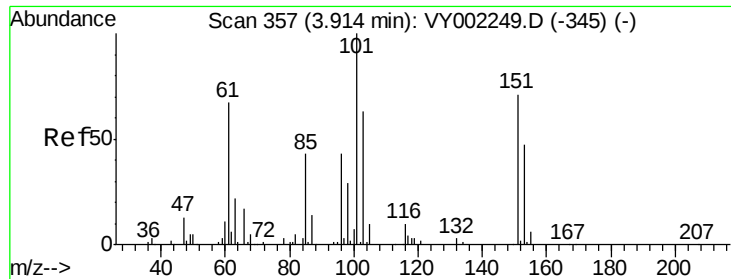
10000

5000

0

Time--> 3.50 3.60 3.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.575 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

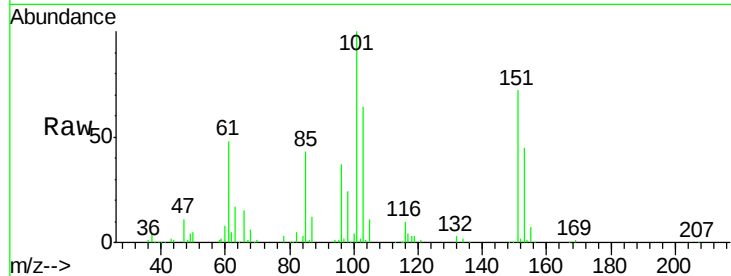
ClientSampleId :

VSTDCCC050EC

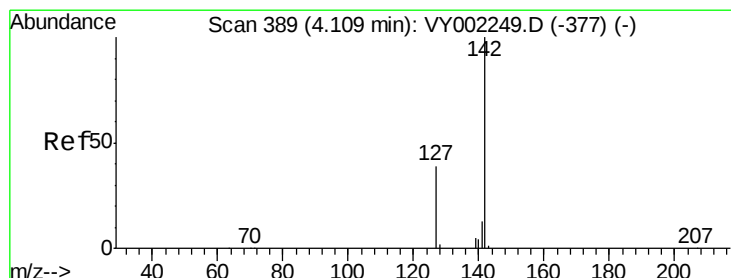
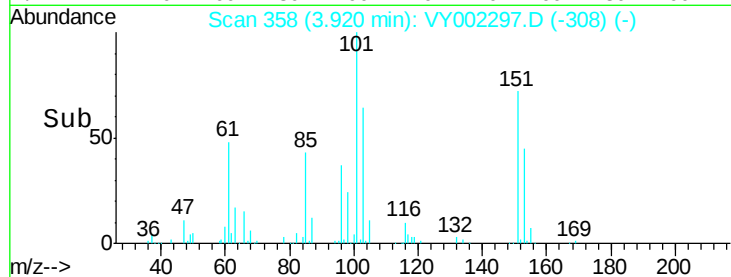
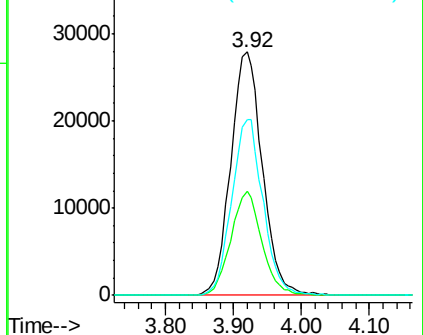
Tot Ion:	101	Resp:	90215
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.6	52.0
151	71.3	57.6	86.4

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:02:00 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.170 ug/l

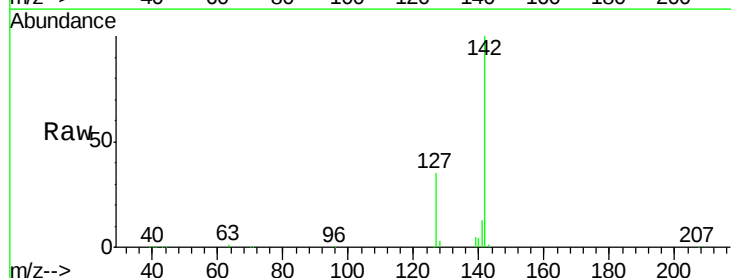
RT: 4.11 min Scan# 389

Delta R.T. -0.00 min

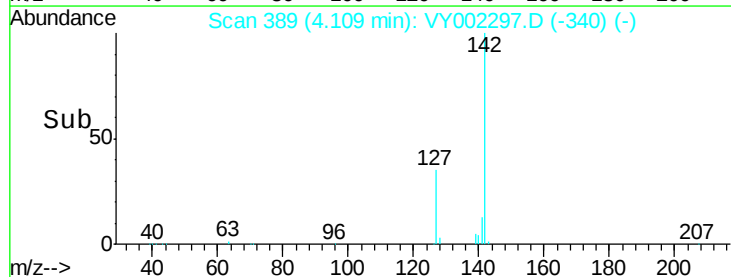
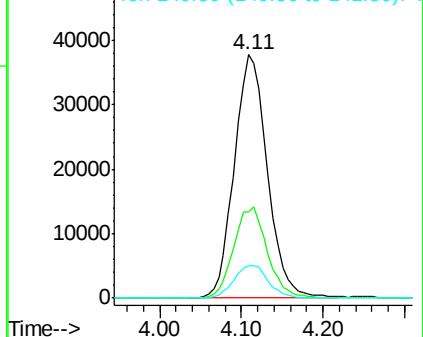
Lab File: VY002297.D

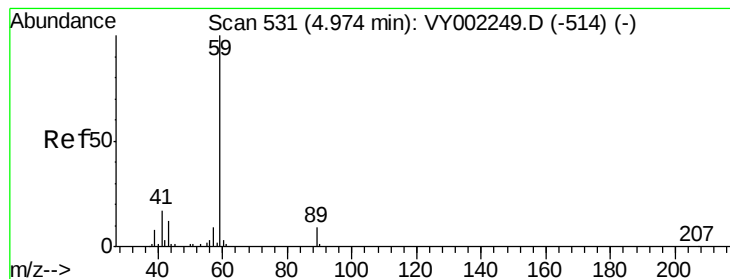
Acq: 13 Apr 2020 21:36

Tgt Ion:	142	Resp:	106029
Ion Ratio	Lower	Upper	
142	100		
127	38.2	32.4	48.6
141	14.1	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

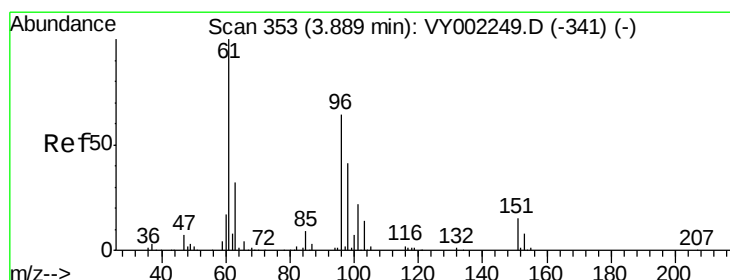
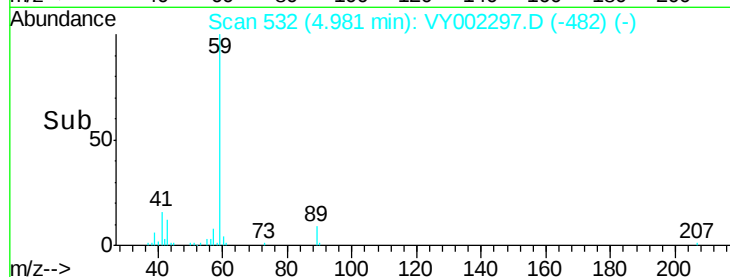
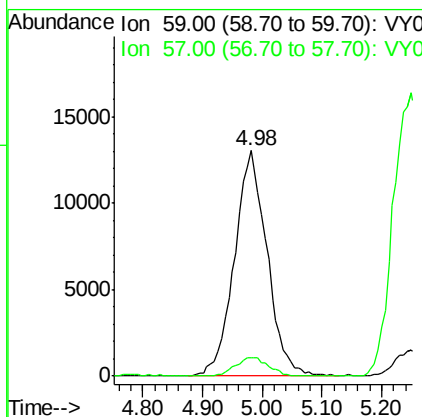
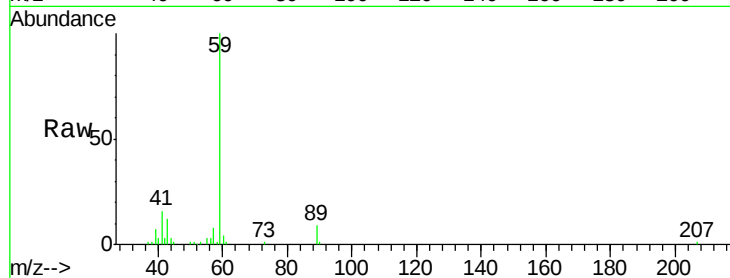
Tert butyl alcohol
 Concen: 303.744 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	49808		
57	8.5	6.6	9.8	

Manual Integrations
 APPROVED

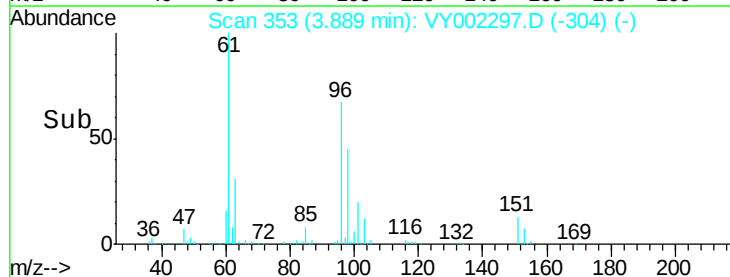
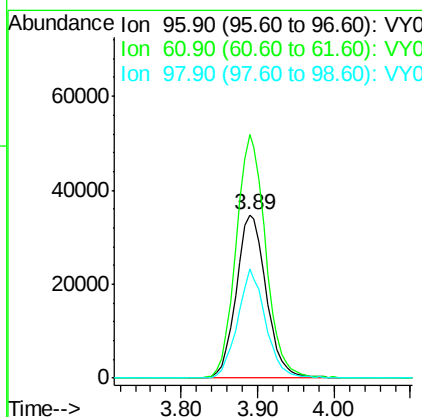
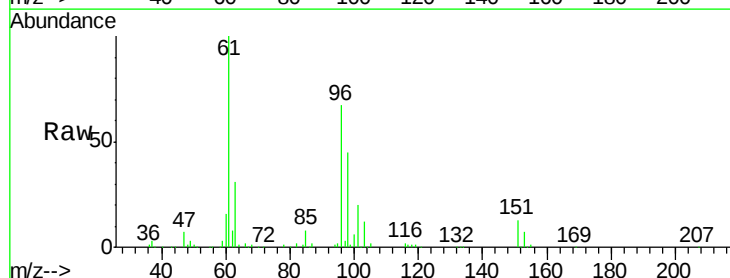
MMDadoda
 4/14/2020 10:02:00 AM

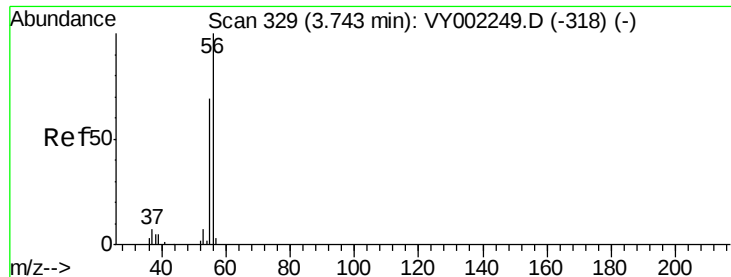


#12

1,1-Dichloroethene
 Concen: 55.165 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	94441		
61	149.3	125.9	188.9	
98	67.1	51.1	76.7	





#13

Acrolein

Concen: 258.178 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 52487

Ion Ratio Lower Upper

56 100

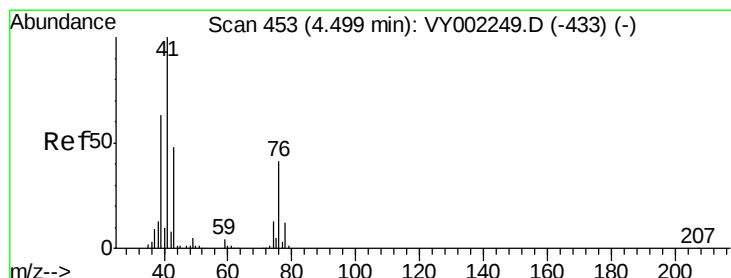
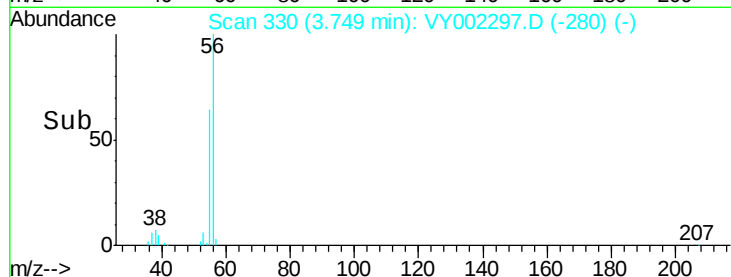
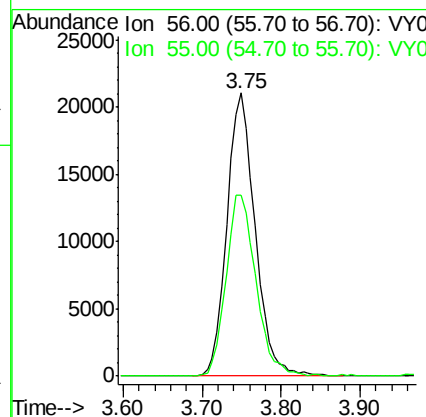
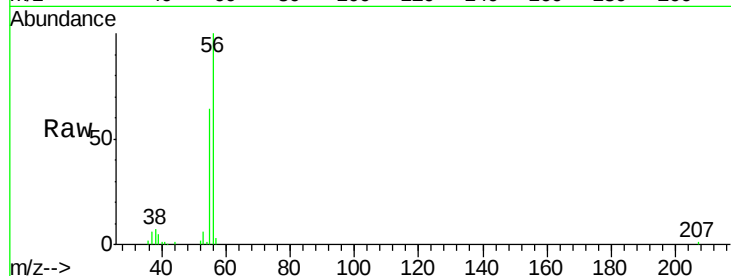
55 67.7 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:02:00 AM



#14

Allyl chloride

Concen: 53.818 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

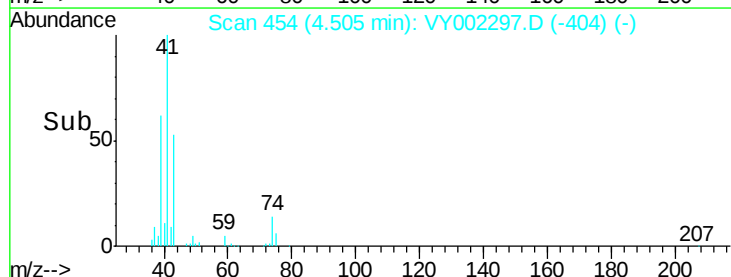
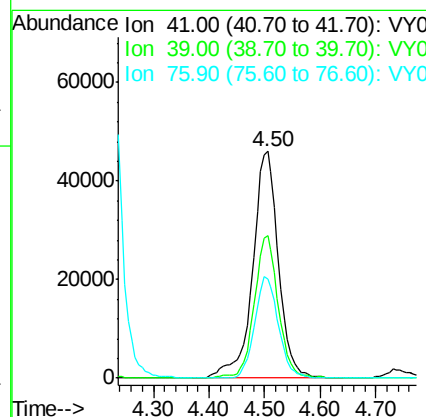
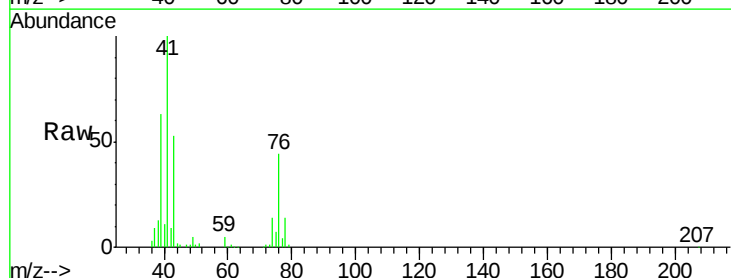
Tgt Ion: 41 Resp: 148782

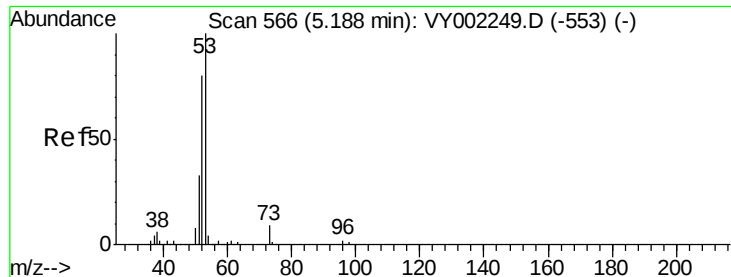
Ion Ratio Lower Upper

41 100

39 58.3 48.0 72.0

76 41.1 31.0 46.6





#15

Acrylonitrile

Concen: 293.802 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

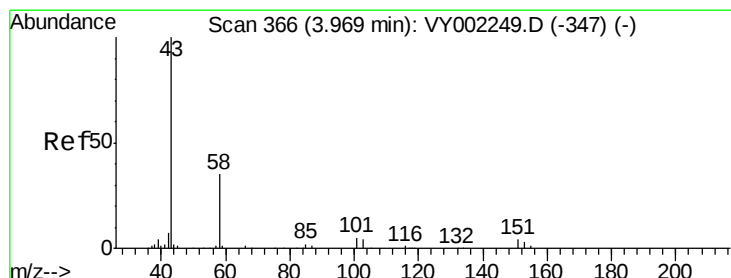
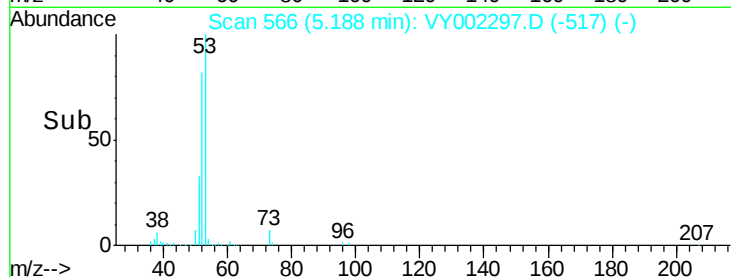
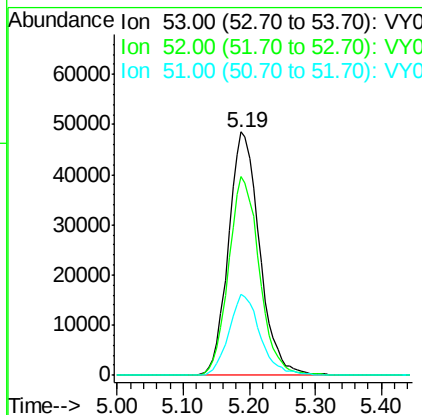
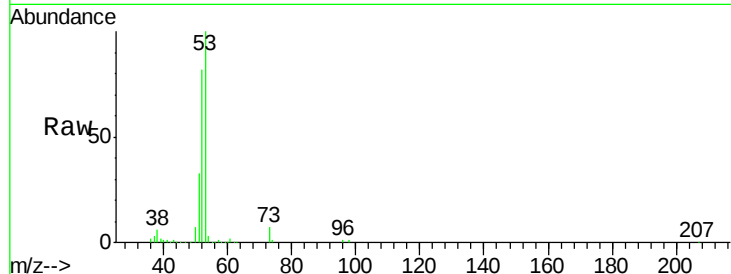
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	158337
Ion Ratio		Lower	Upper
53	100		
52	80.7	65.1	97.7
51	33.5	27.1	40.7

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:02:00 AM



#16

Acetone

Concen: 244.076 ug/l

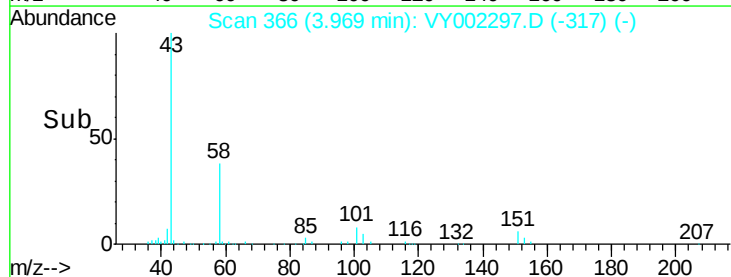
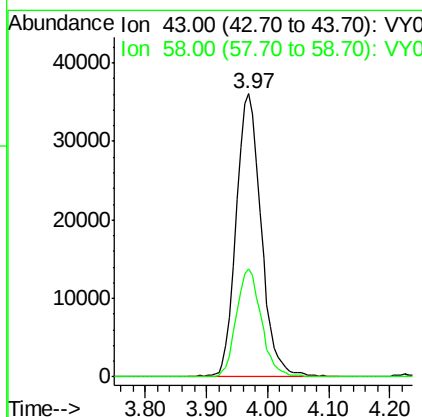
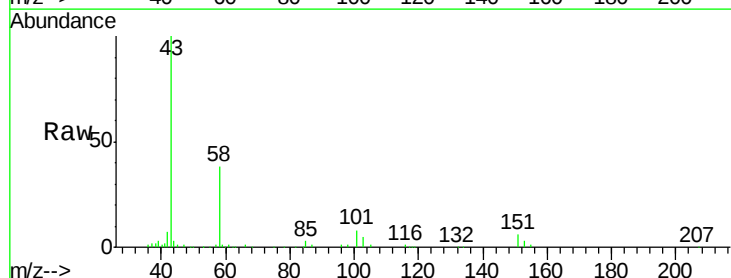
RT: 3.97 min Scan# 366

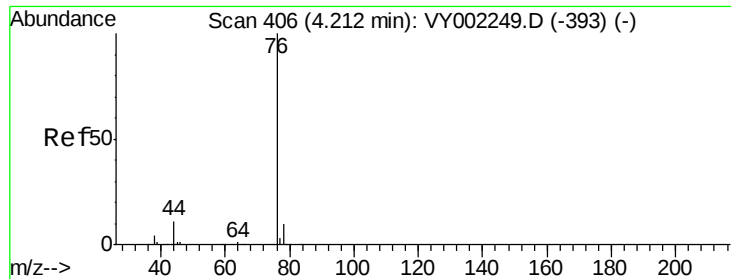
Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Tgt Ion:	43	Resp:	101360
Ion Ratio		Lower	Upper
43	100		
58	38.3	28.5	42.7





#17

Carbon Disulfide

Concen: 54.586 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 310356

Ion Ratio Lower Upper

76 100

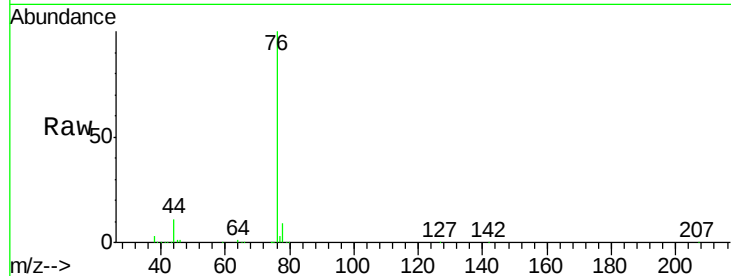
78 8.8 7.7 11.5

Manual Integrations

APPROVED

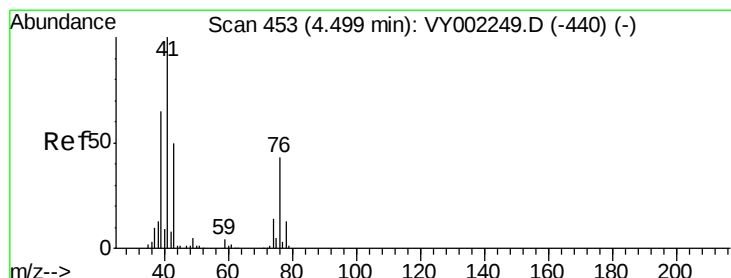
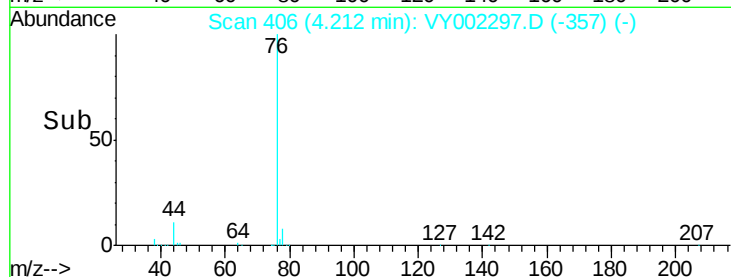
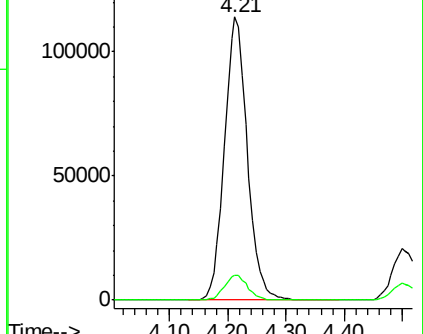
MMDadoda

4/14/2020 10:02:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 58.624 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002297.D

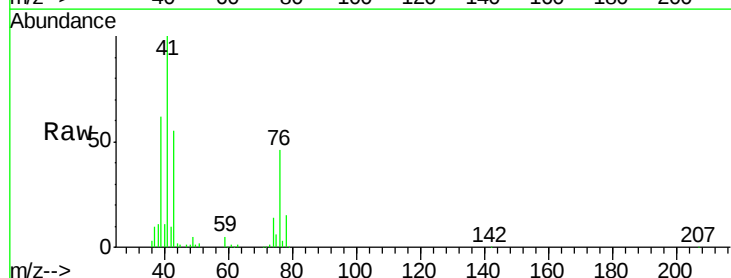
Acq: 13 Apr 2020 21:36

Tgt Ion: 43 Resp: 75514

Ion Ratio Lower Upper

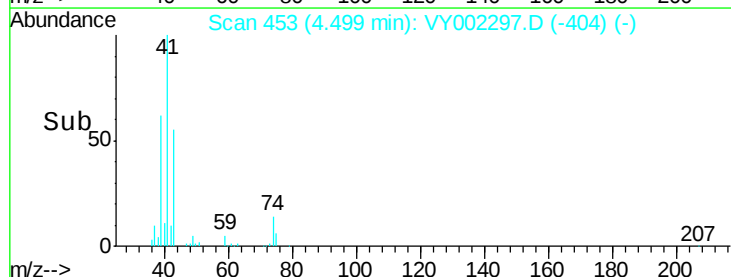
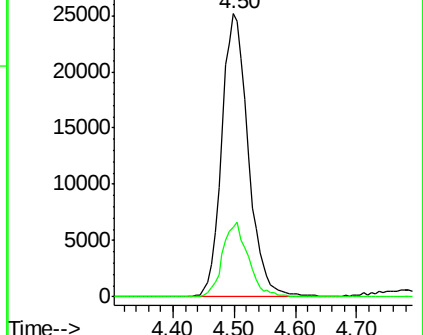
43 100

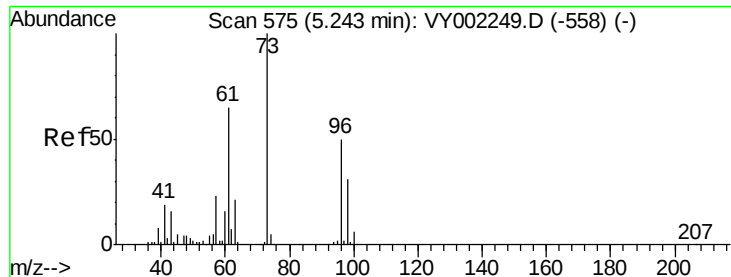
74 25.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





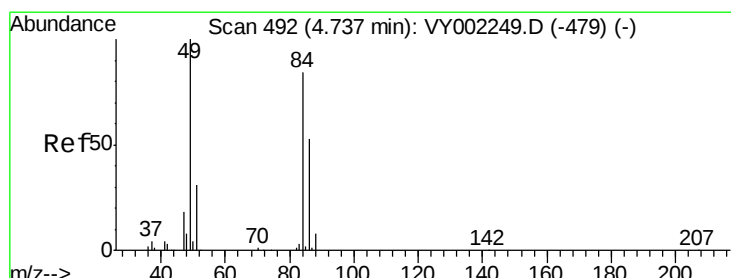
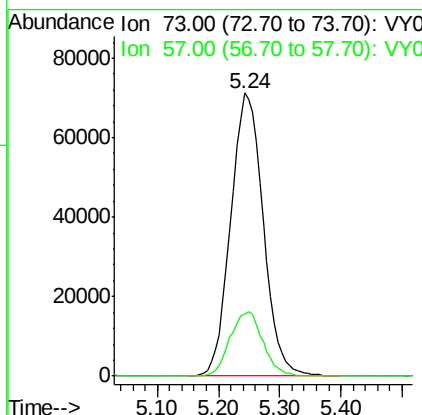
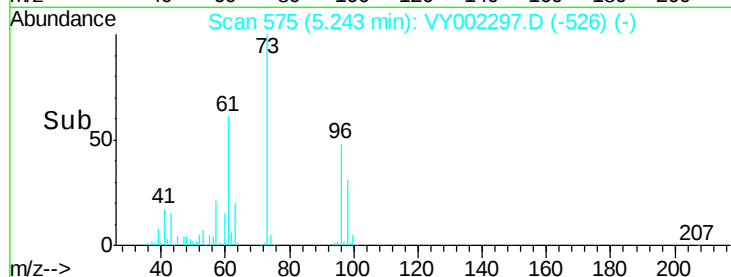
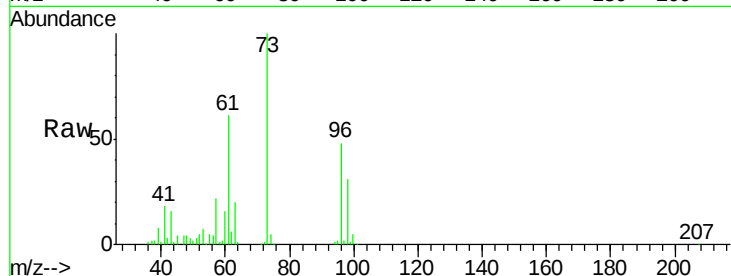
#19
Methvl tert-butvl Ether
Concen: 58.062 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 261320
Ion Ratio Lower Upper
73 100
57 21.9 18.7 28.1

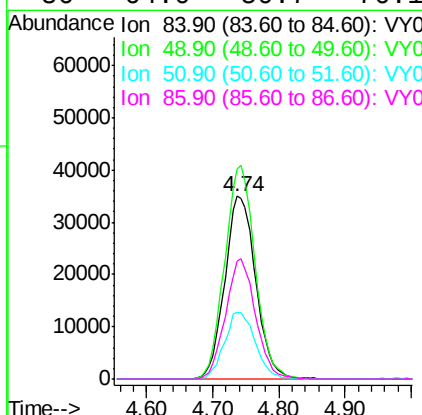
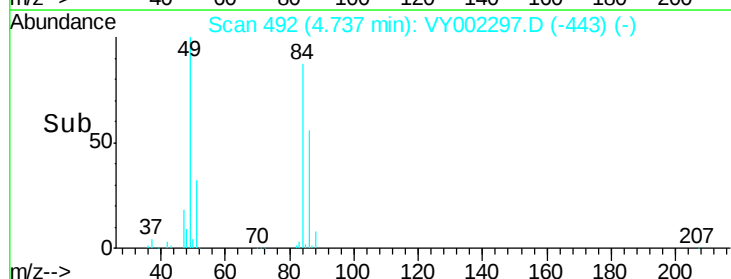
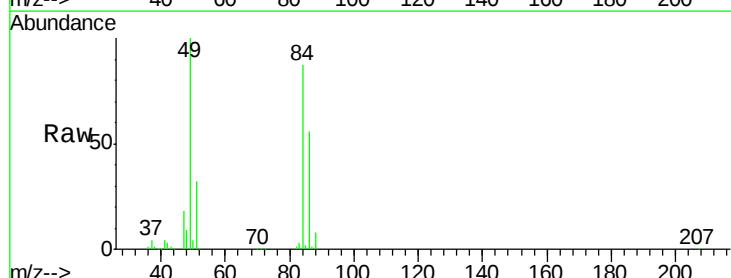
Manual Integrations
APPROVED

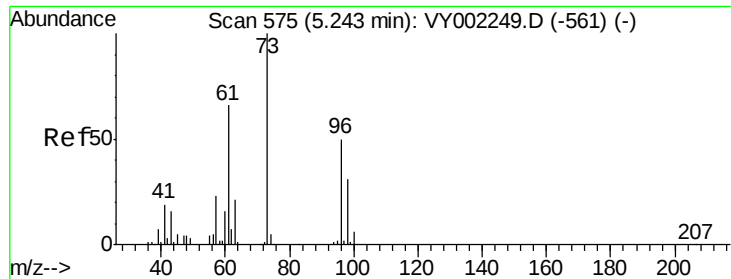
MMDadoda
4/14/2020 10:02:00 AM



#20
Methylene Chloride
Concen: 55.351 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 84 Resp: 112980
Ion Ratio Lower Upper
84 100
49 114.9 95.5 143.3
51 36.5 29.5 44.3
86 64.0 50.7 76.1





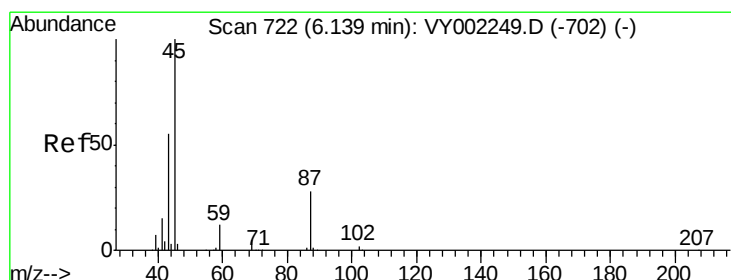
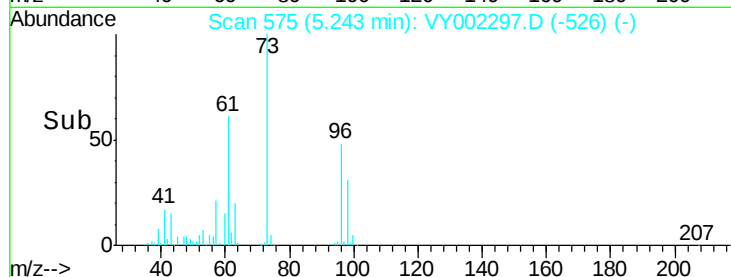
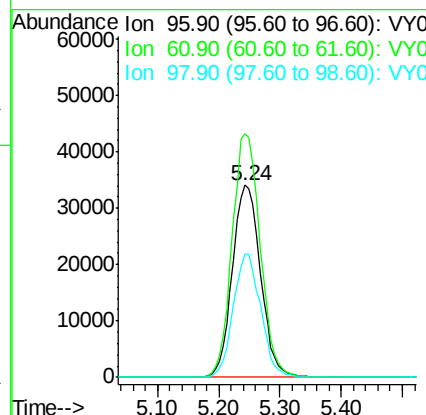
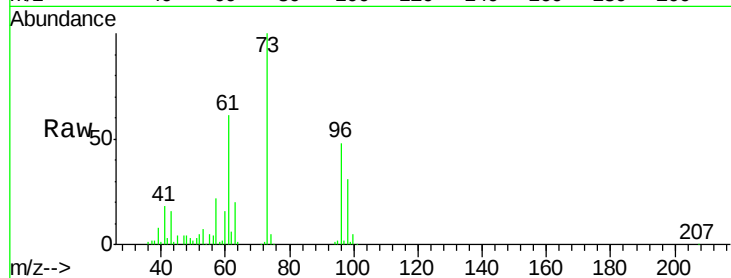
#21
trans-1,2-Dichloroethene
Concen: 56.654 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.9	104.6	157.0
98	64.5	50.1	75.1

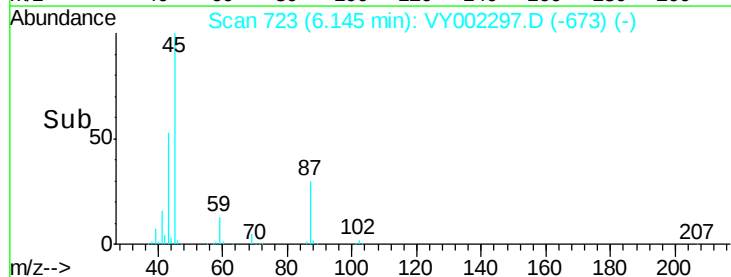
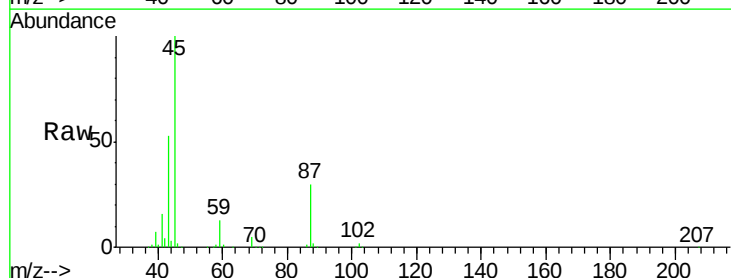
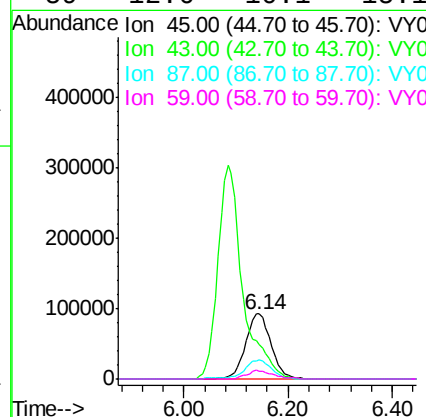
Manual Integrations
APPROVED

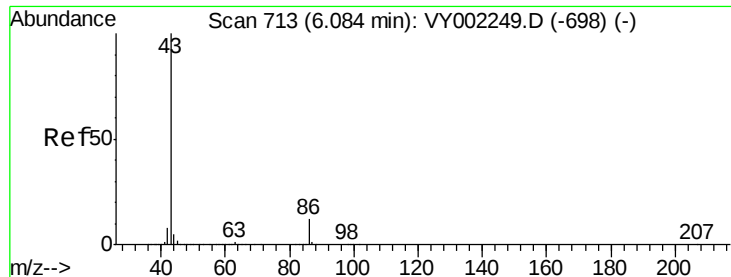
MMDadoda
4/14/2020 10:02:00 AM



#22
Diisopropyl ether
Concen: 56.068 ug/l
RT: 6.14 min Scan# 723
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.0	44.7	67.1
87	30.0	23.0	34.4
59	12.6	10.1	15.1





#23

Vinyl Acetate

Concen: 284.552 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Tot Ion: 43 Resp: 1008855

Ion Ratio Lower Upper

43 100

86 11.5 9.2 13.8

Instrument :

MSVOA_Y

ClientSampleId :

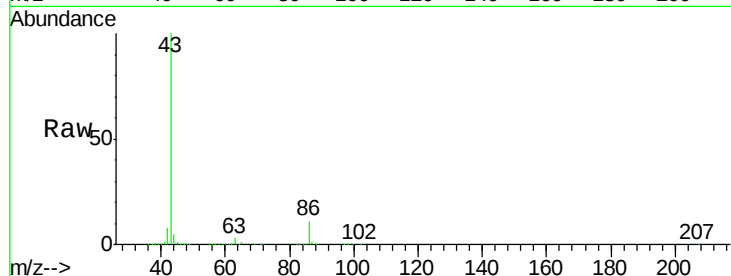
VSTDCCC050EC

Manual Integrations

APPROVED

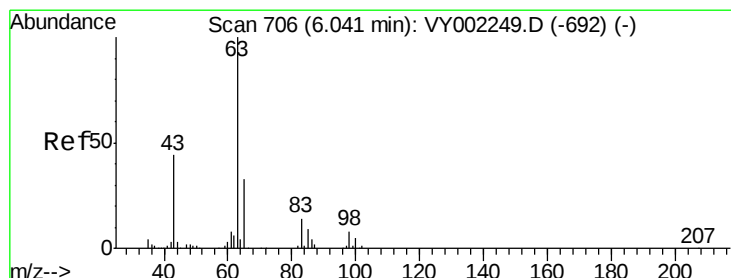
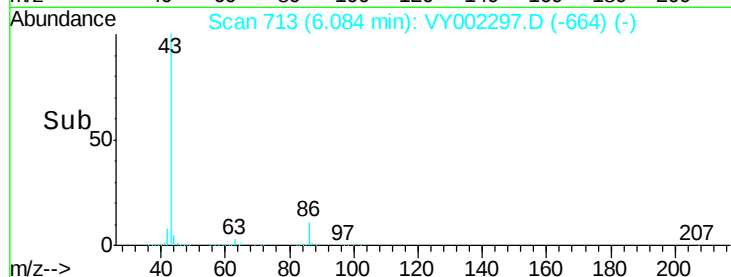
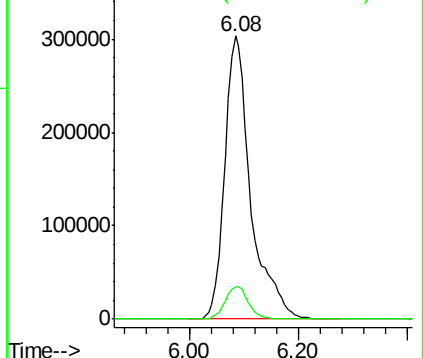
MMDadoda

4/14/2020 10:02:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 56.467 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

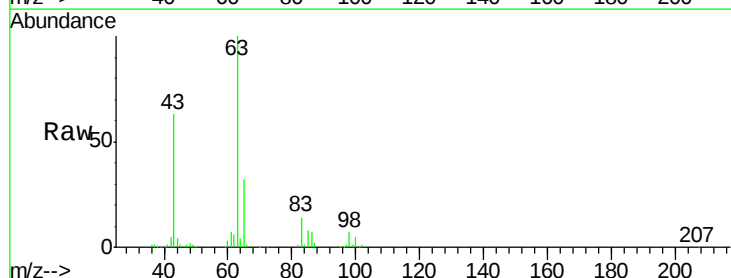
Tgt Ion: 63 Resp: 178690

Ion Ratio Lower Upper

63 100

98 7.2 4.0 12.0

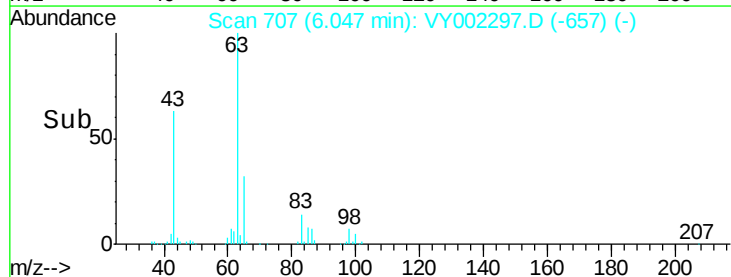
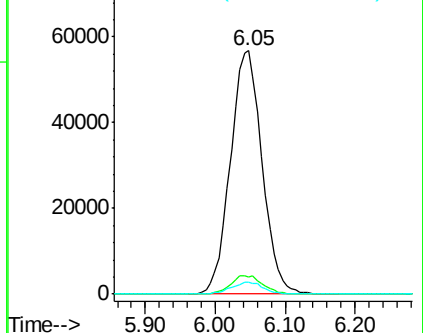
100 4.7 2.4 7.1

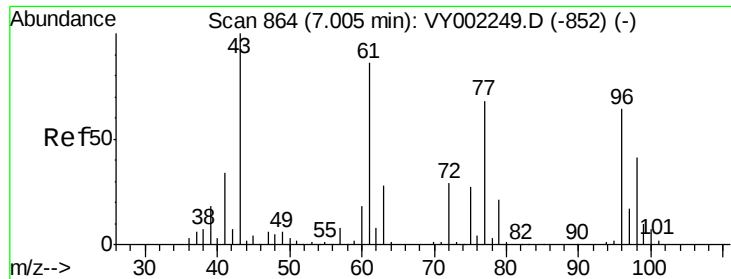


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 273.690 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 179869

Ion Ratio Lower Upper

43 100

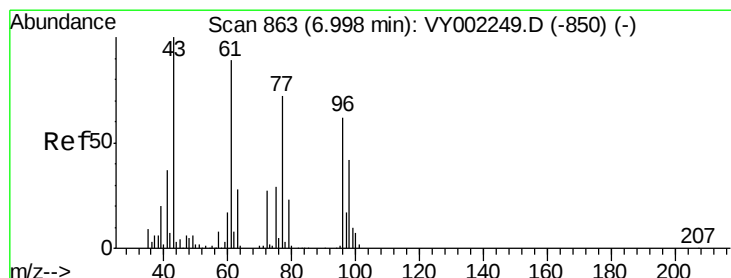
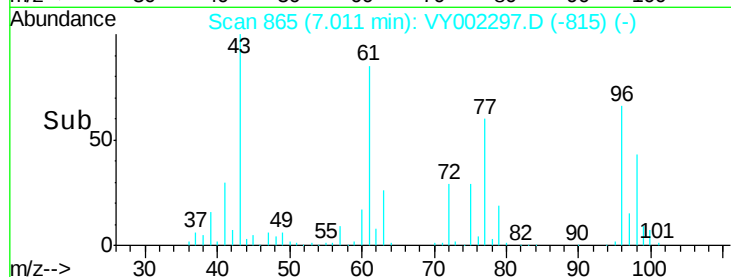
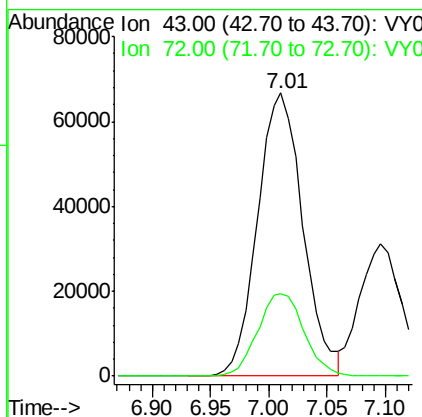
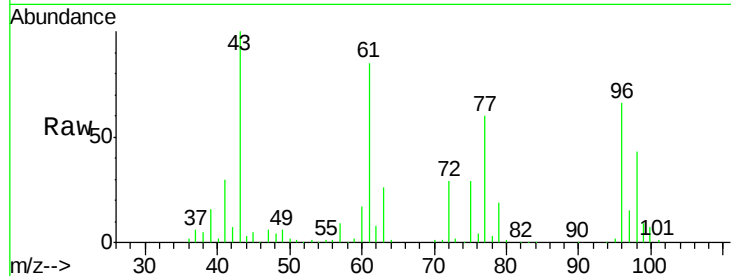
72 29.2 23.2 34.8

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:02:00 AM



#26

2,2-Dichloropropane

Concen: 47.899 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY002297.D

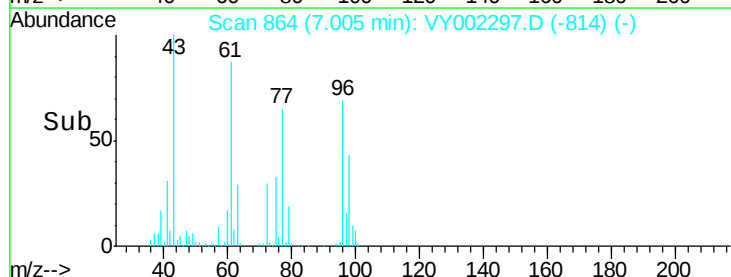
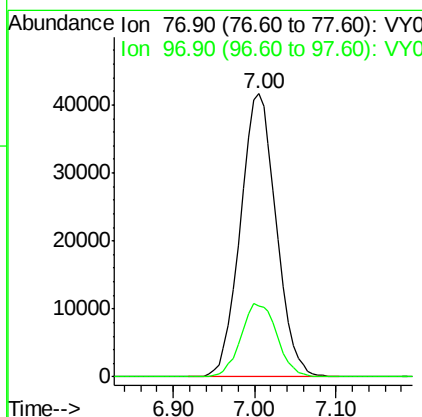
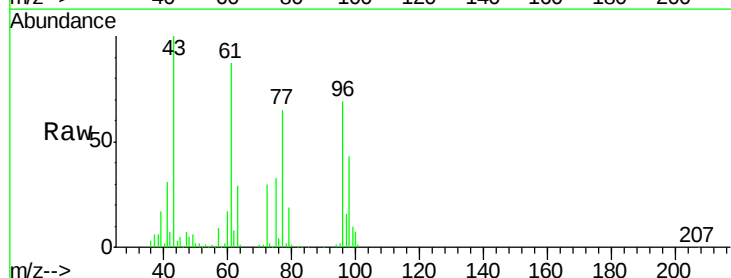
Acq: 13 Apr 2020 21:36

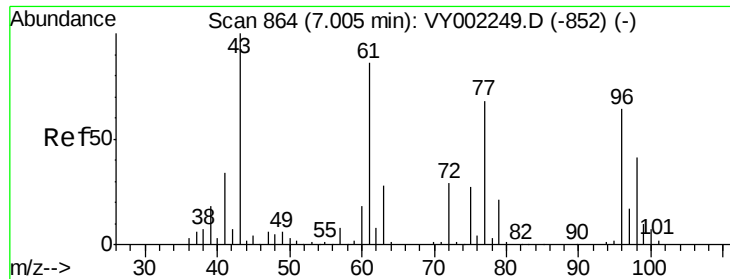
Tgt Ion: 77 Resp: 126795

Ion Ratio Lower Upper

77 100

97 26.2 12.2 36.6





#27

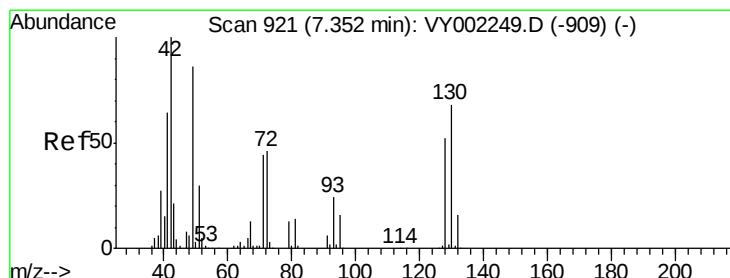
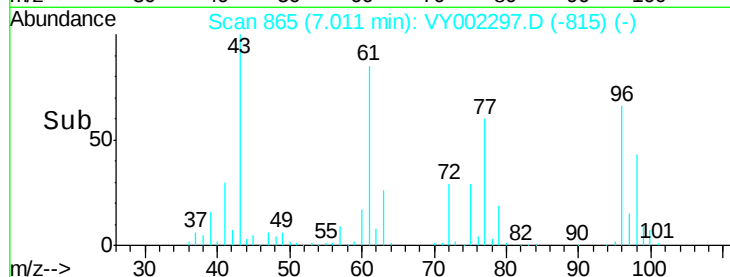
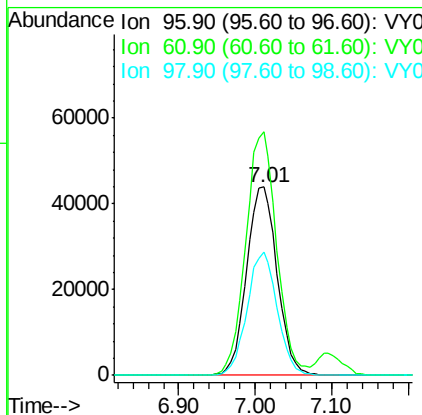
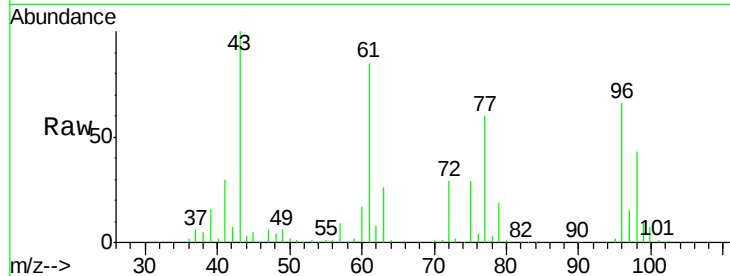
cis-1,2-Dichloroethene
Concen: 58.542 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122629		
61	130.6	0.0	278.0	
98	64.4	0.0	128.6	

Manual Integrations
APPROVED

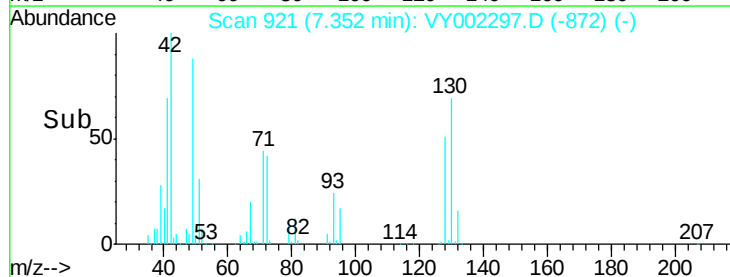
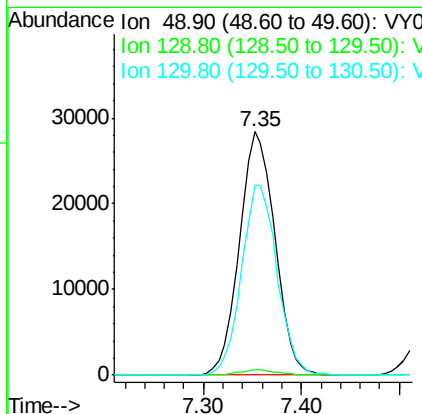
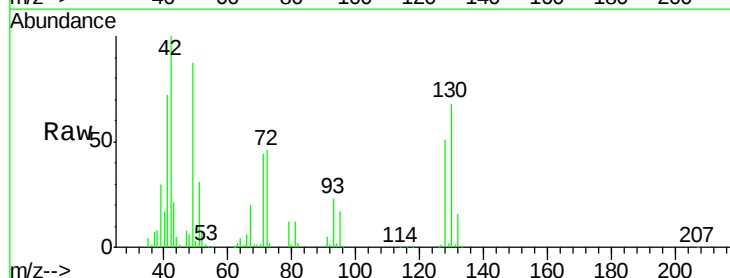
MMDadoda
4/14/2020 10:02:00 AM

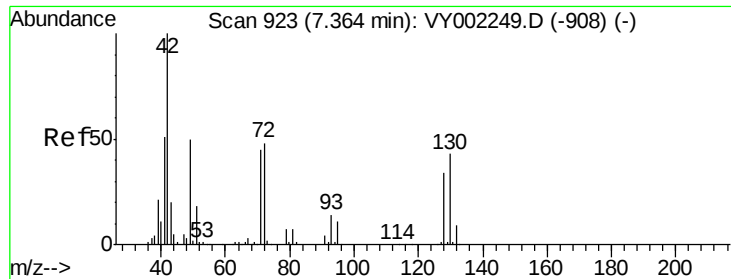


#28

Bromochloromethane
Concen: 52.383 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	71557		
129	2.1	0.0	4.2	
130	78.3	60.9	91.3	





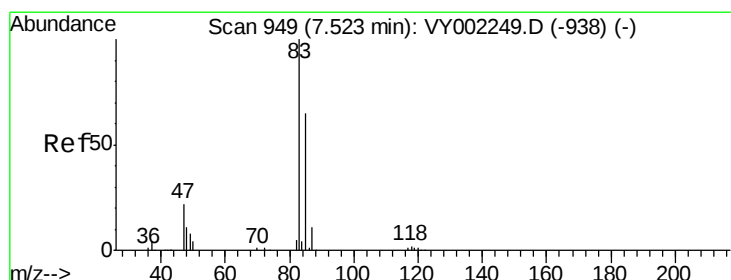
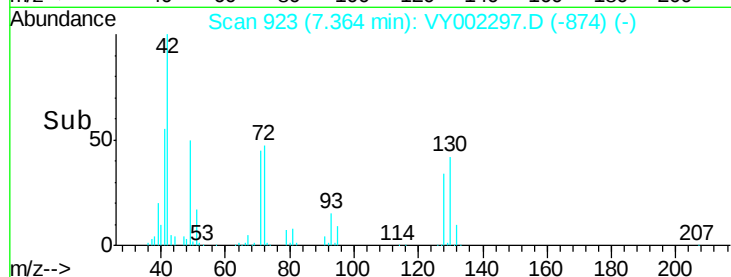
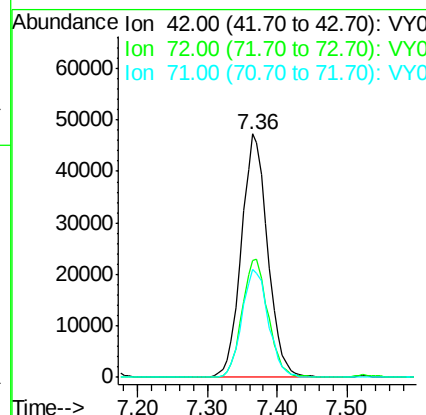
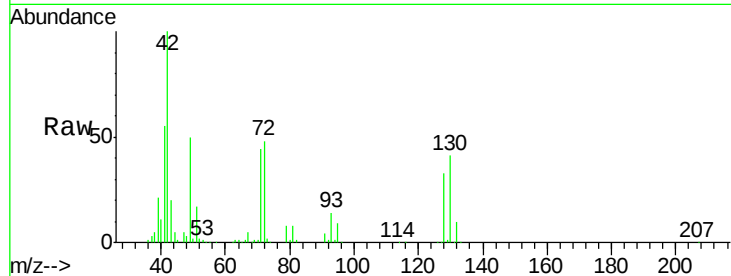
#29
Tetrahydrofuran
Concen: 284.086 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	36.7	55.1
71	44.3	34.7	52.1

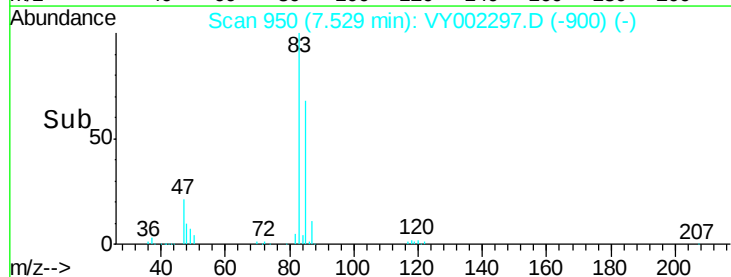
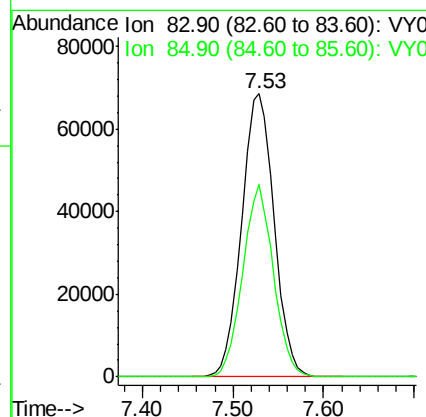
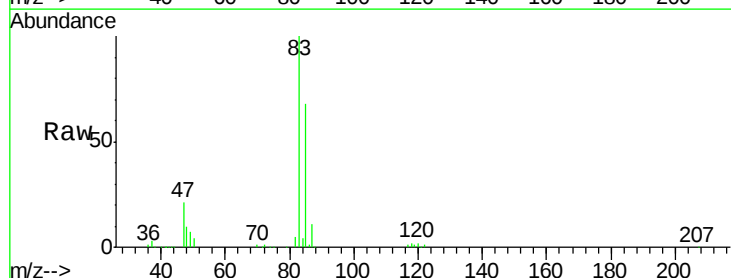
Manual Integrations
APPROVED

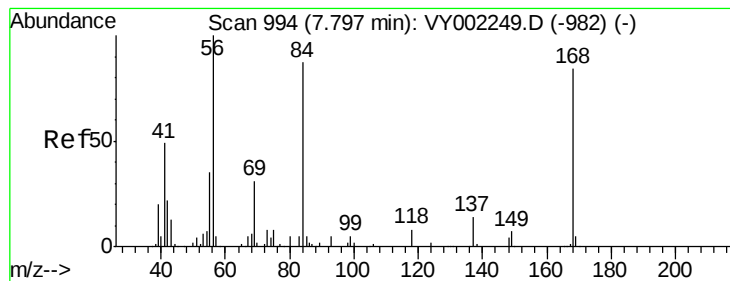
MMDadoda
4/14/2020 10:02:00 AM



#30
Chloroform
Concen: 57.004 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.0	78.0





#31

Cyclohexane

Concen: 50.724 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 168489

Ion Ratio Lower Upper

56 100

69 31.4 25.0 37.6

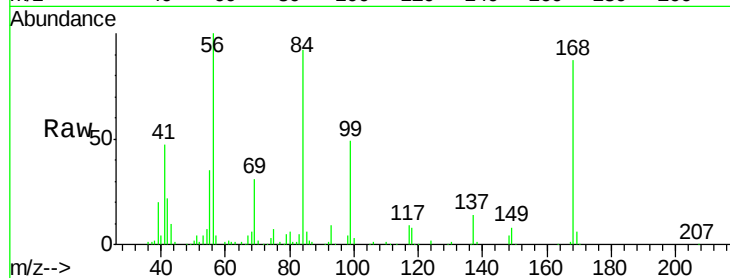
84 90.6 69.7 104.5

Manual Integrations

APPROVED

MMDadoda

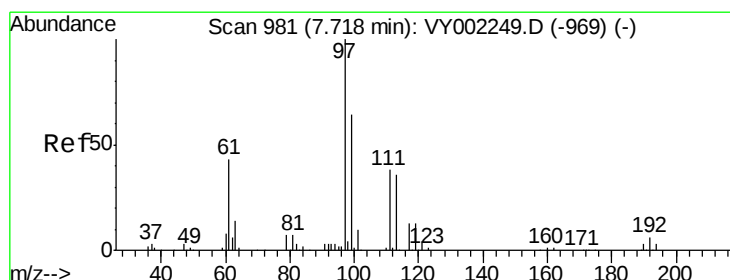
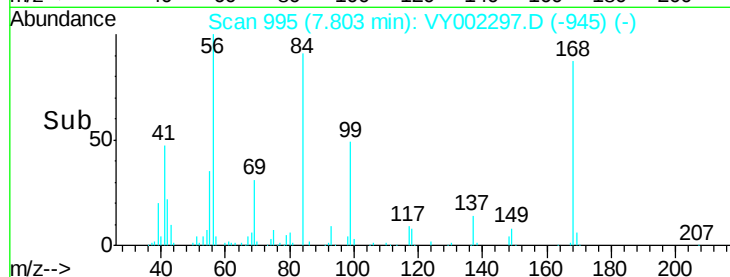
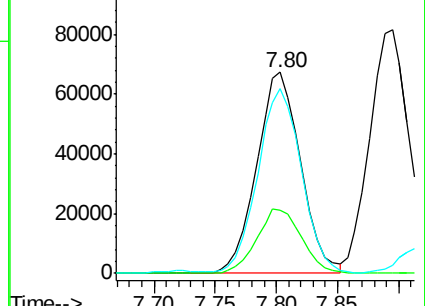
4/14/2020 10:02:00 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 54.459 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

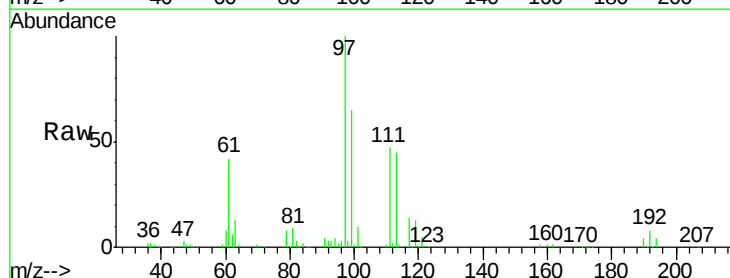
Tgt Ion: 97 Resp: 135215

Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

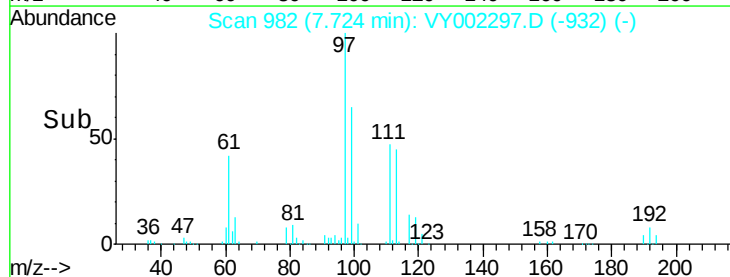
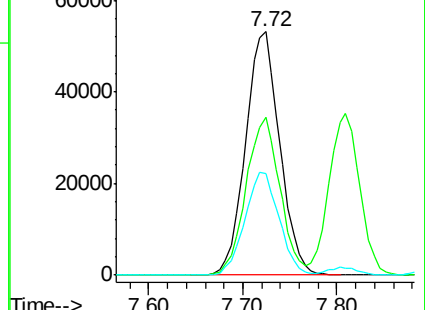
61 42.2 34.3 51.5

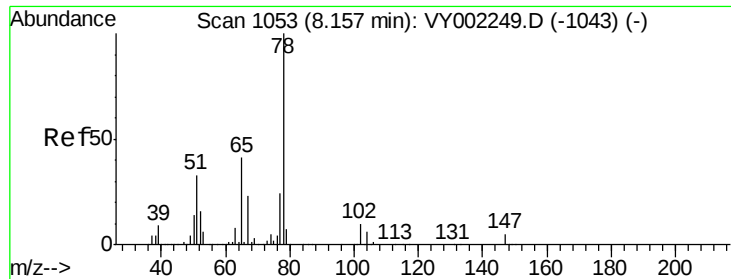


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





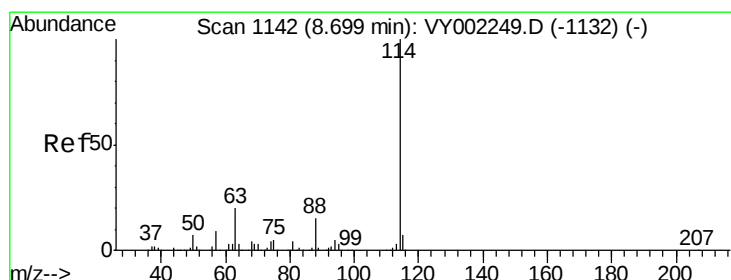
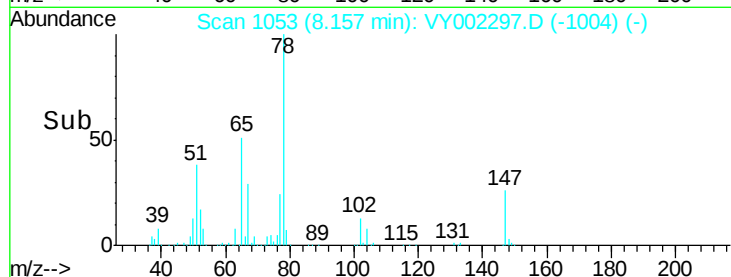
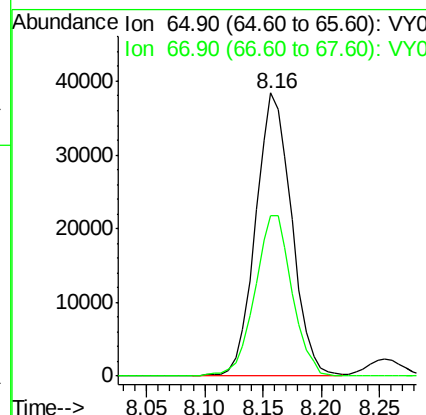
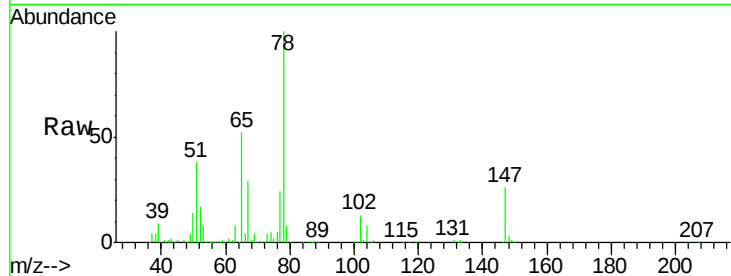
#33
 1,2-Dichloroethane-d4
 Concen: 52.384 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	58.7	0.0	114.0

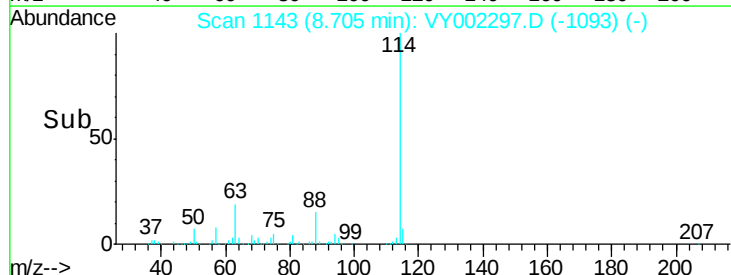
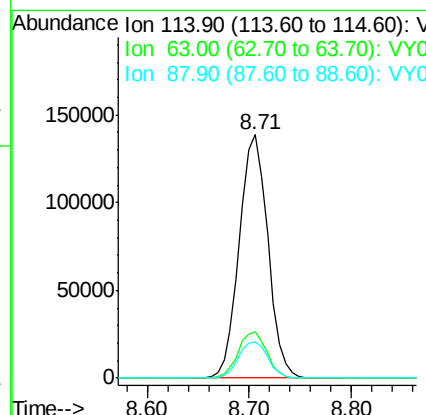
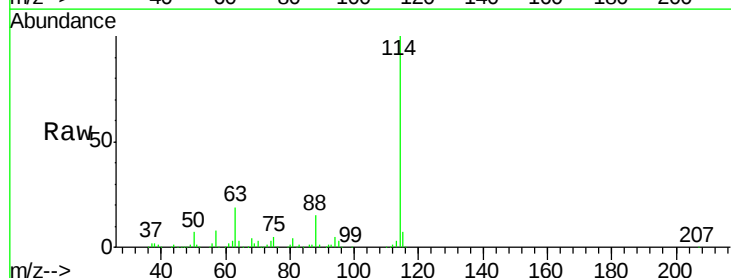
Manual Integrations
 APPROVED

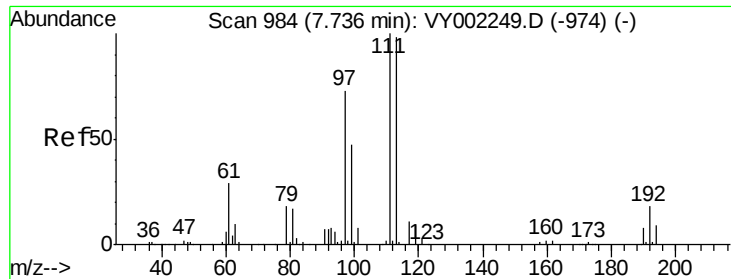
MMDadoda
 4/14/2020 10:02:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.0
88	14.9	0.0	31.0





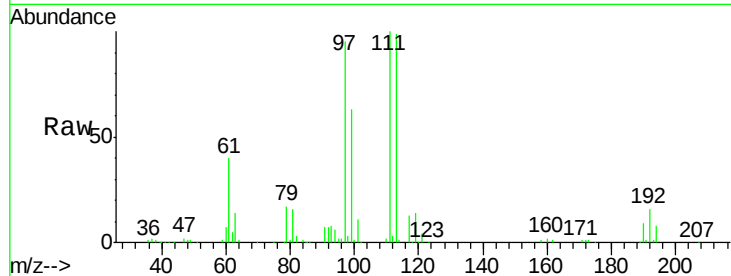
#35
 Dibromofluoromethane
 Concen: 53.085 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

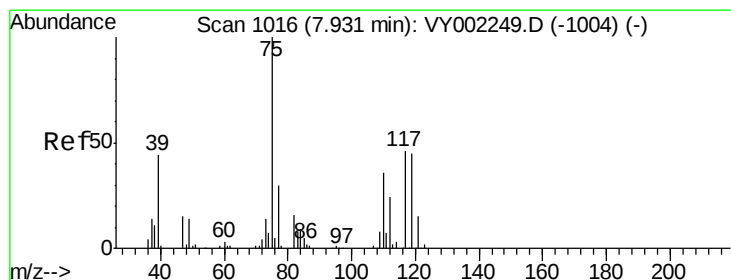
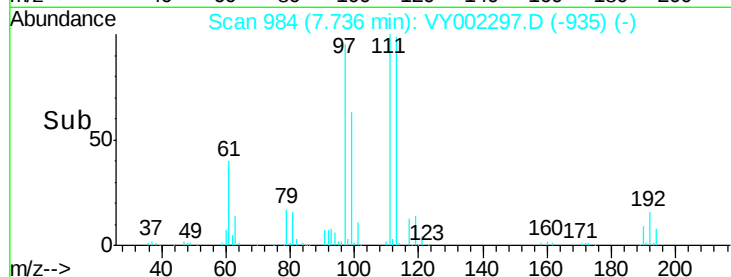
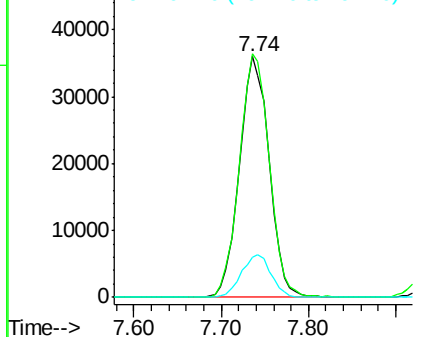
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.5	125.3
192	17.6	14.7	22.1

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:02:00 AM

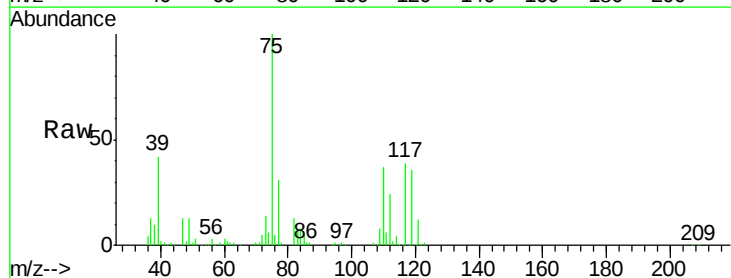


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

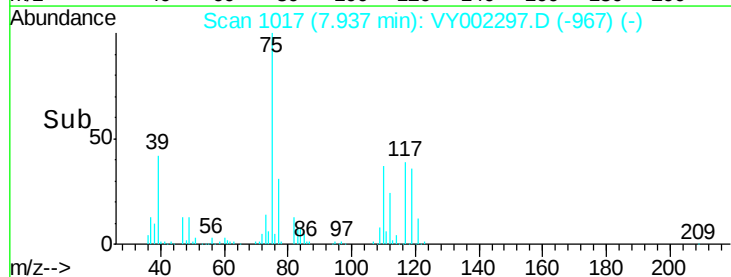
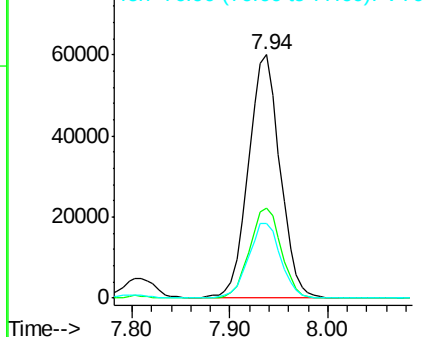


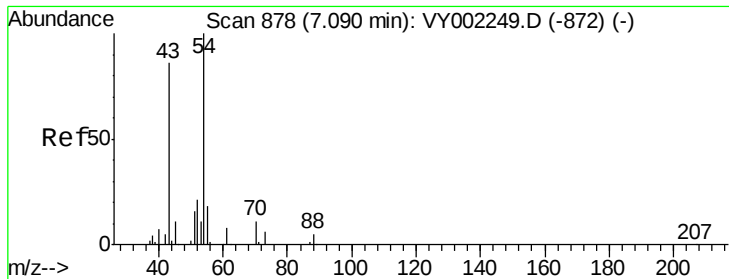
#36
 1,1-Dichloropropene
 Concen: 50.967 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.01 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	17.8	53.3
77	31.4	24.4	36.6



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0





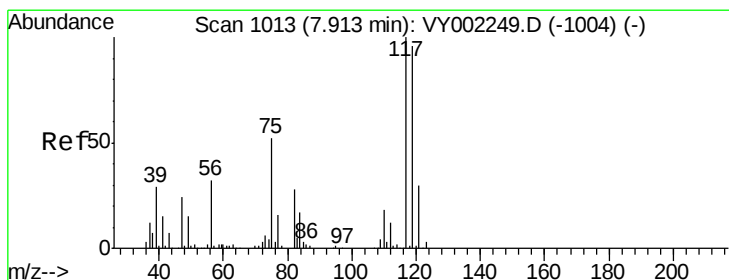
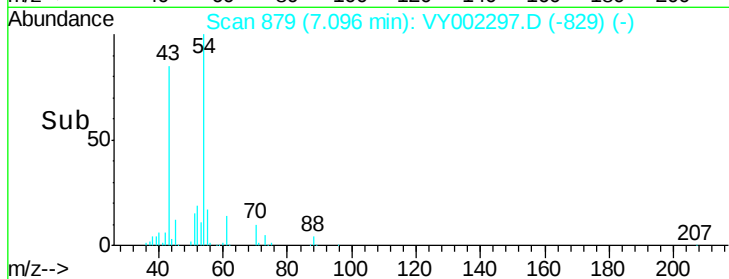
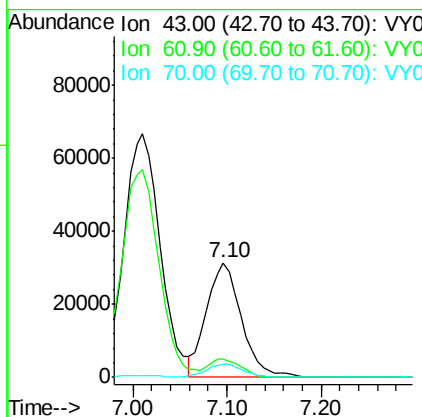
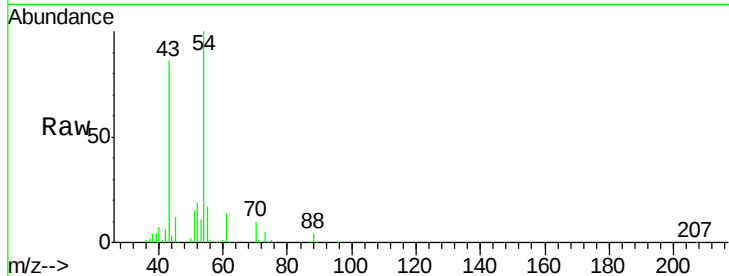
#37
Ethyl Acetate
Concen: 53.536 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	12.2	9.1	13.7

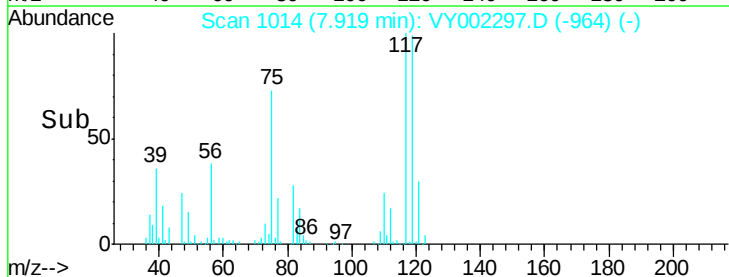
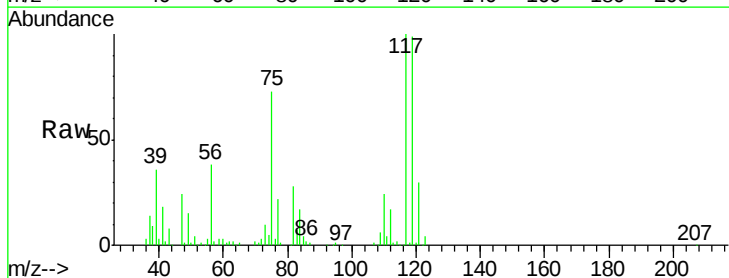
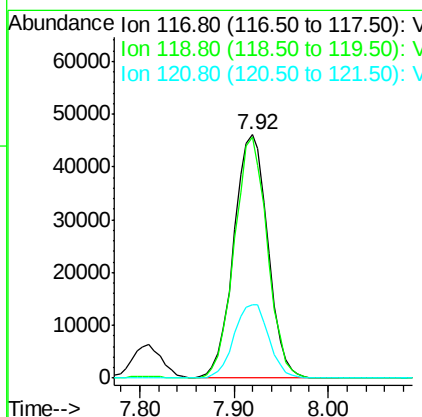
Manual Integrations
APPROVED

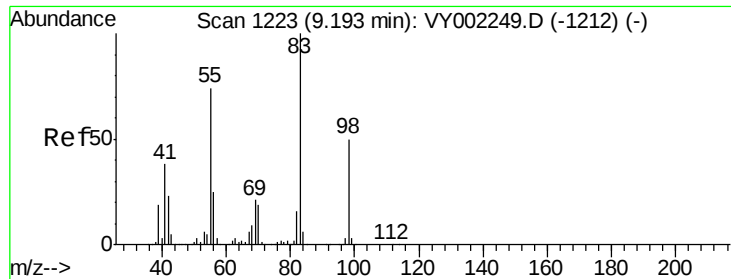
MMDadoda
4/14/2020 10:02:00 AM



#38
Carbon Tetrachloride
Concen: 51.336 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	77.1	115.7
121	29.9	23.9	35.9





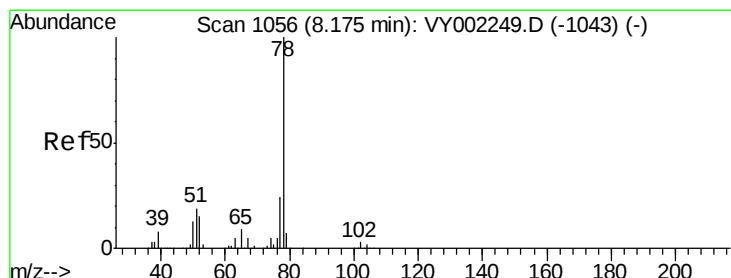
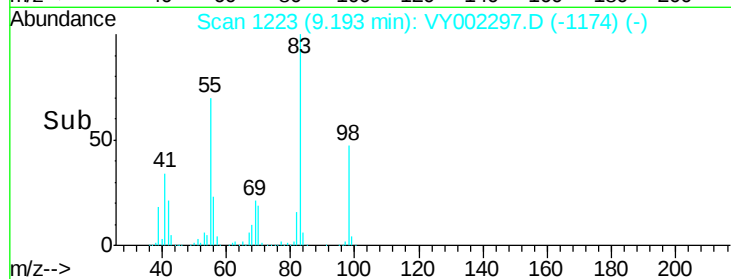
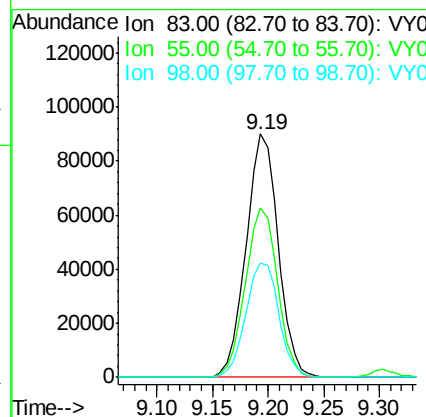
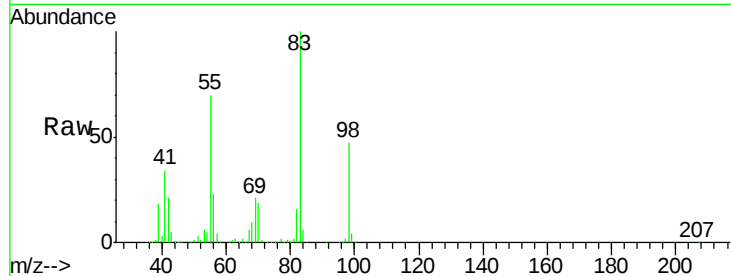
#39
Methvlcvclohexane
Concen: 50.171 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	59.3	88.9
98	47.1	39.6	59.4

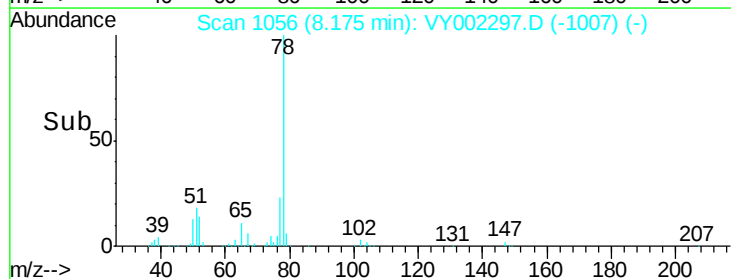
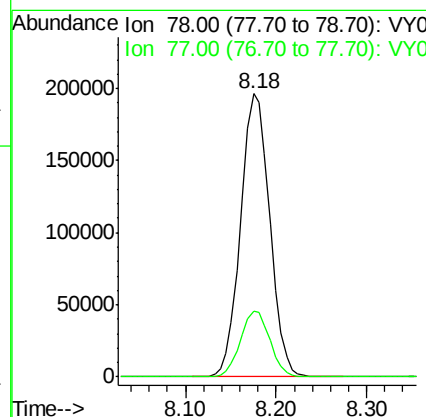
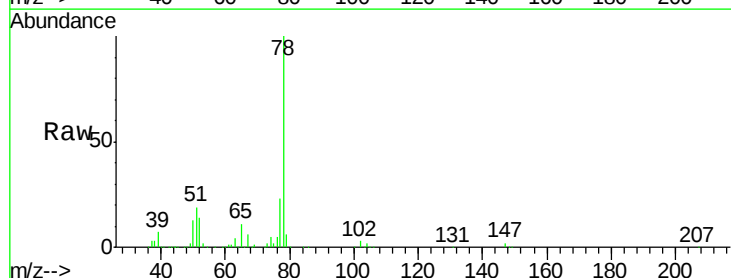
Manual Integrations
APPROVED

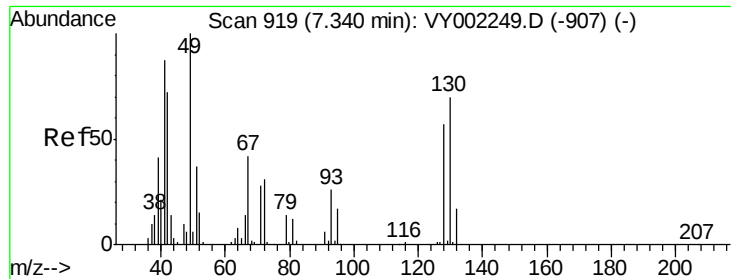
MMDadoda
4/14/2020 10:02:00 AM



#40
Benzene
Concen: 54.380 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





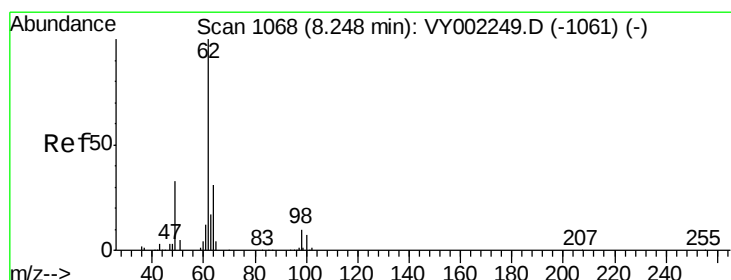
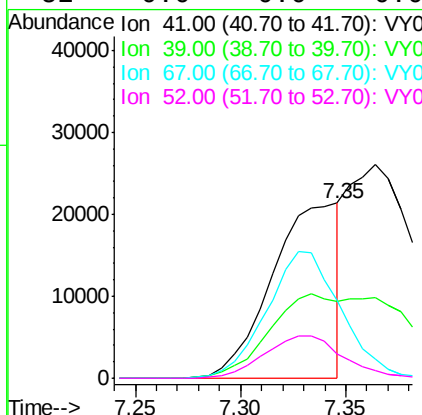
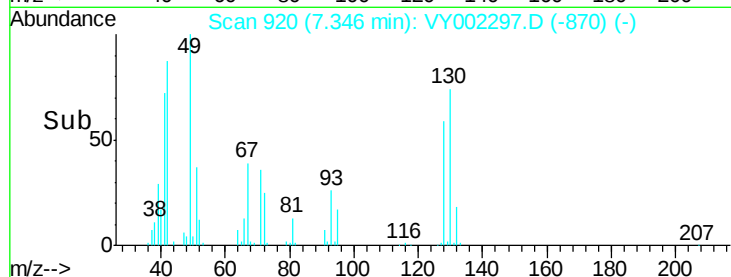
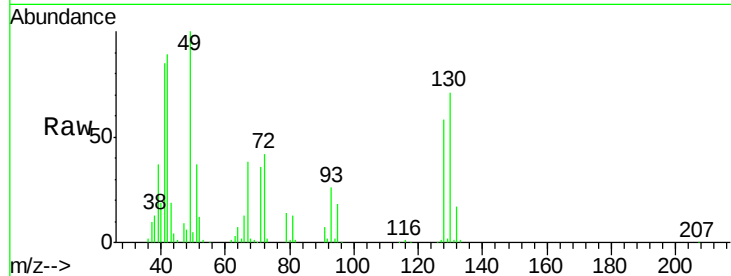
#41
Methacrylonitrile
Concen: 53.510 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	47771
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

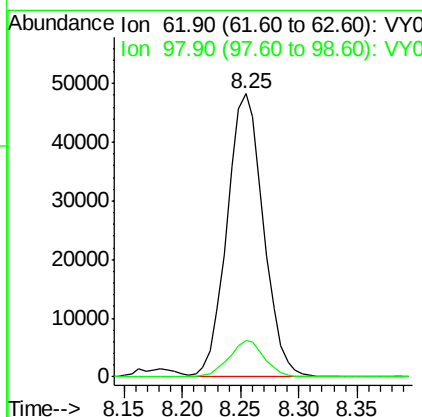
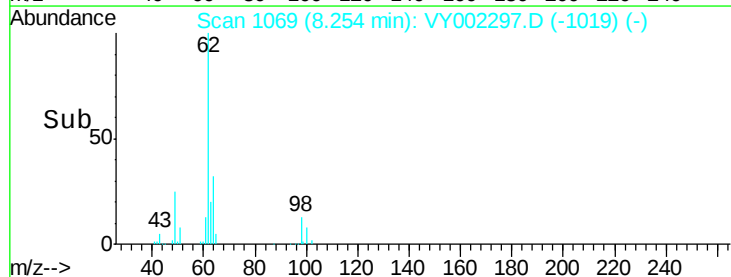
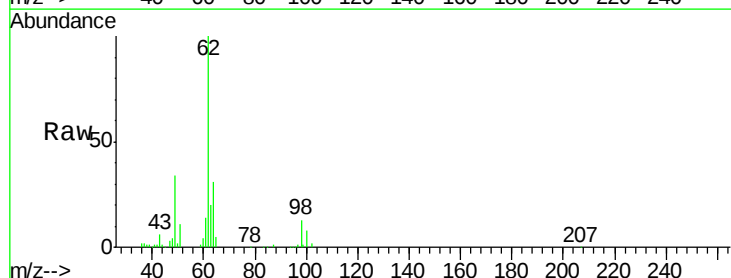
Manual Integrations
APPROVED

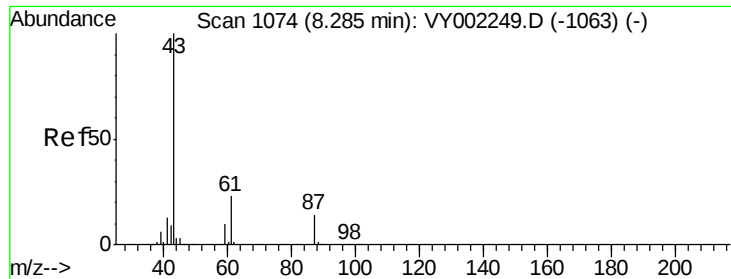
MMDadoda
4/14/2020 10:02:00 AM



#42
1,2-Dichloroethane
Concen: 52.671 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	62	Resp	104866
Ion	Ratio	Lower	Upper
62	100		
98	12.3	0.0	22.6





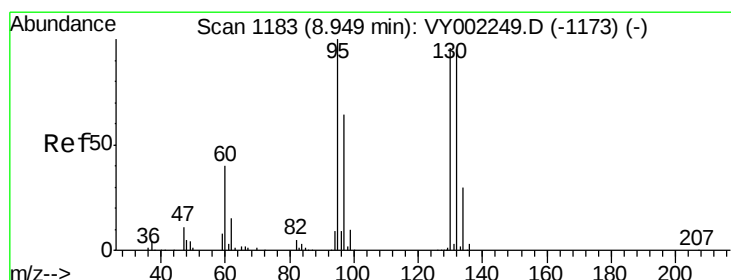
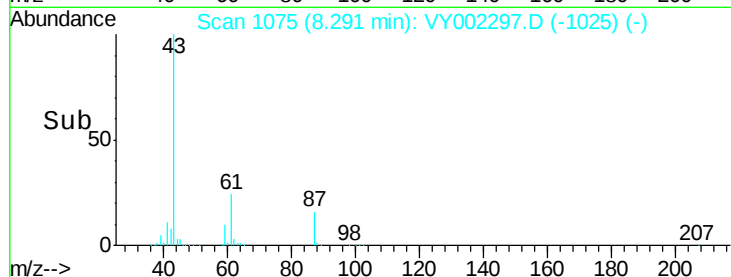
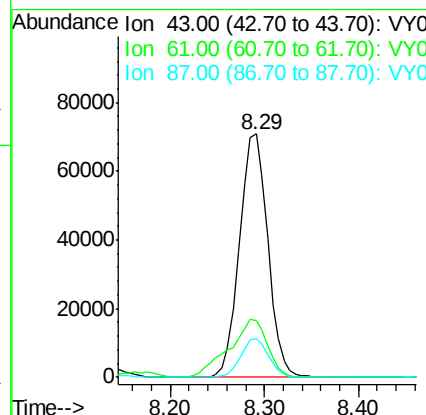
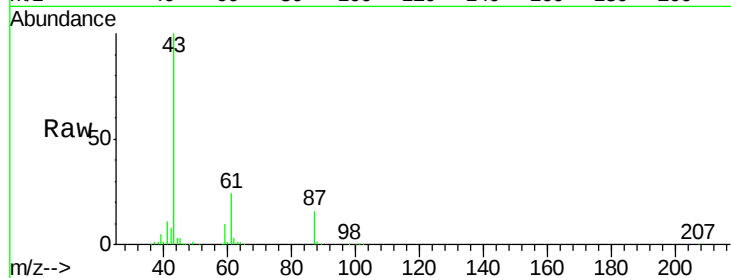
#43
Isopropyl Acetate
Concen: 54.089 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.0	24.9	37.3
87	15.6	11.7	17.5

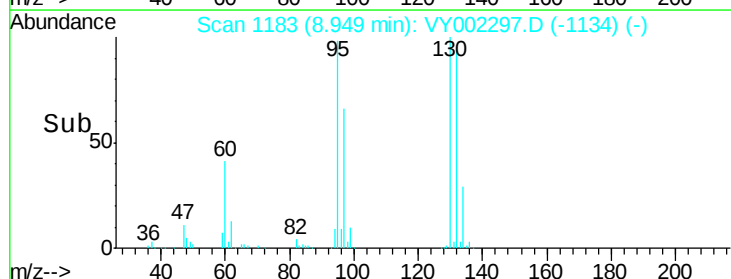
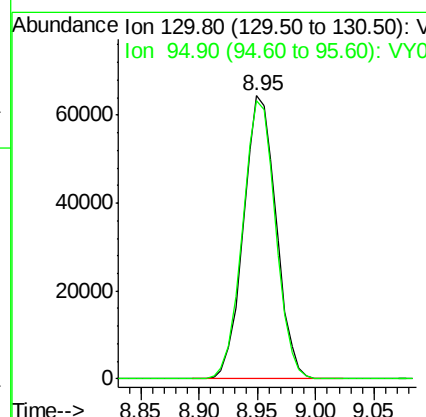
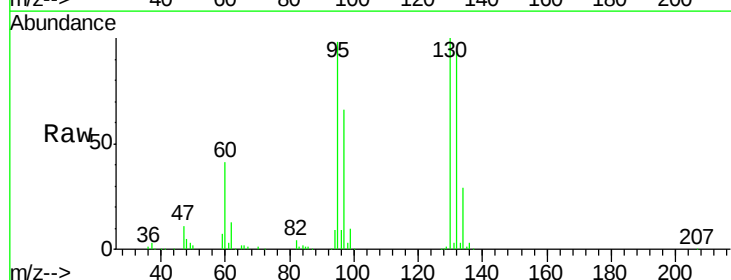
Manual Integrations
APPROVED

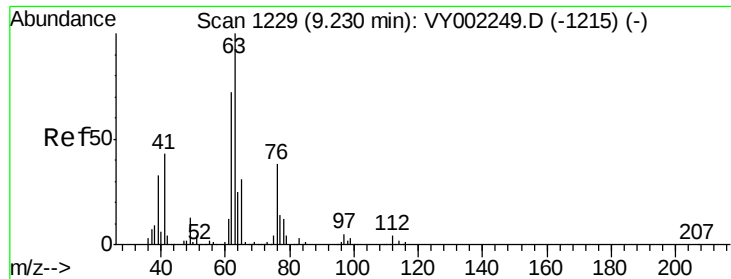
MMDadoda
4/14/2020 10:02:00 AM



#44
Trichloroethene
Concen: 53.457 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	208.2





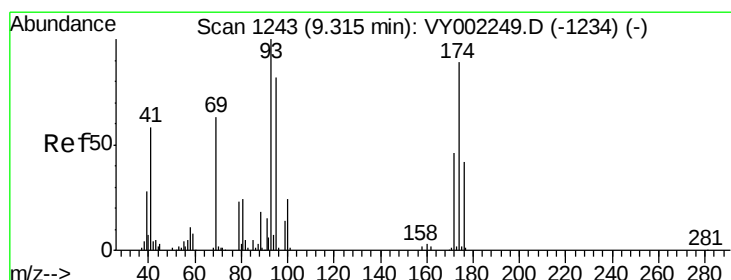
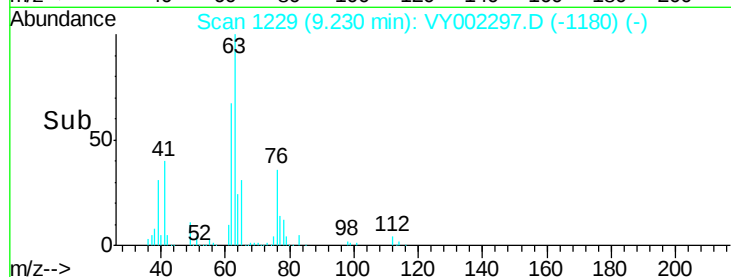
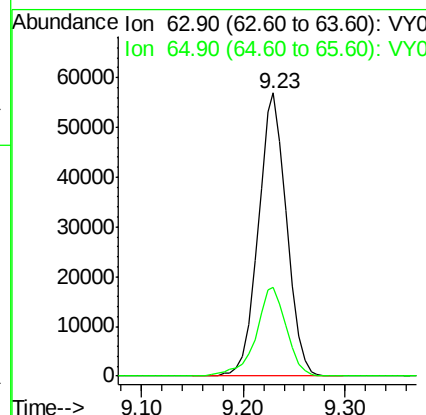
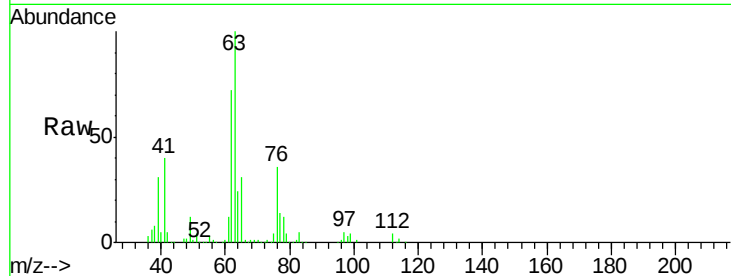
#45
 1,2-Dichloropropane
 Concen: 54.952 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 109586
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 37.0

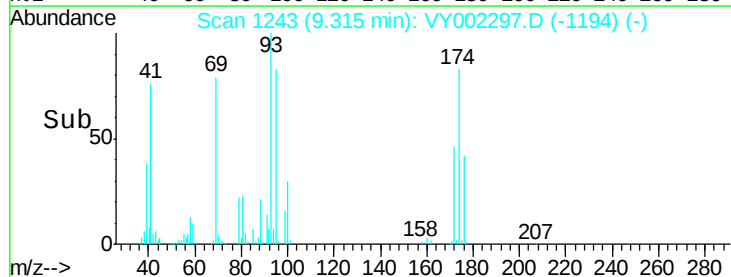
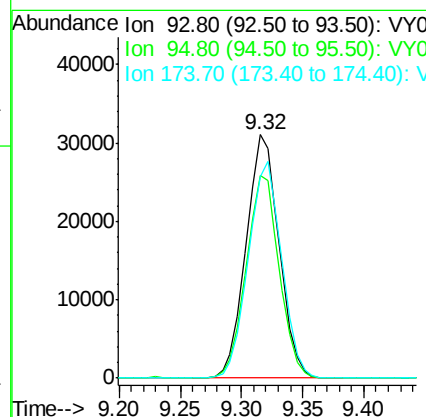
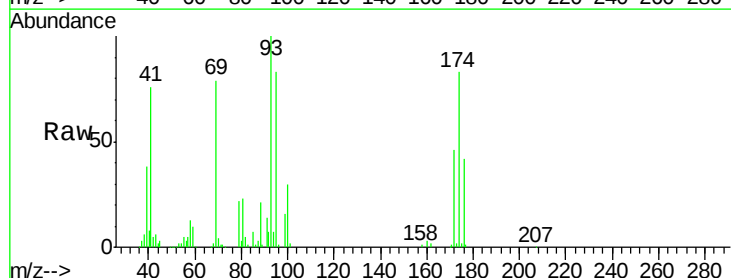
Manual Integrations
 APPROVED

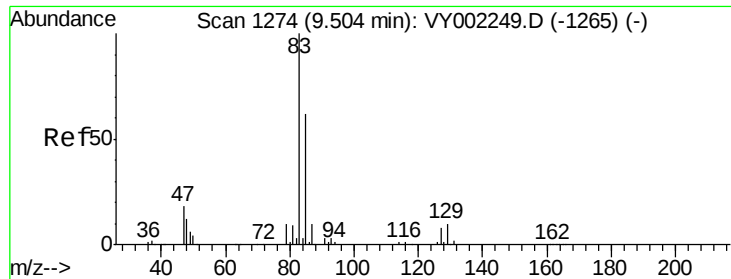
MMDadoda
 4/14/2020 10:02:00 AM



#46
 Dibromomethane
 Concen: 55.756 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion: 93 Resp: 58136
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.3 100.9
 174 89.7 72.5 108.7





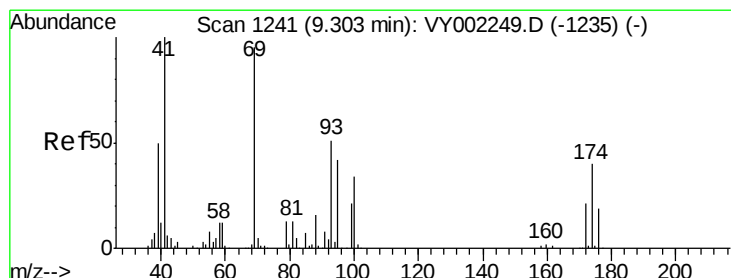
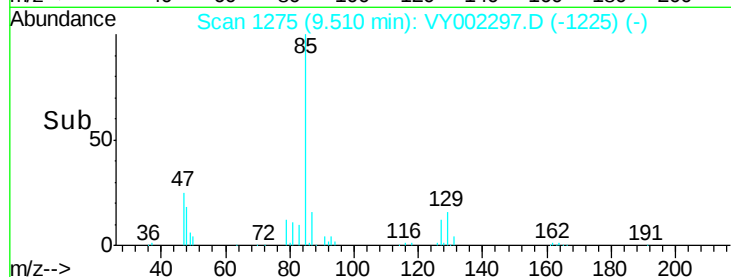
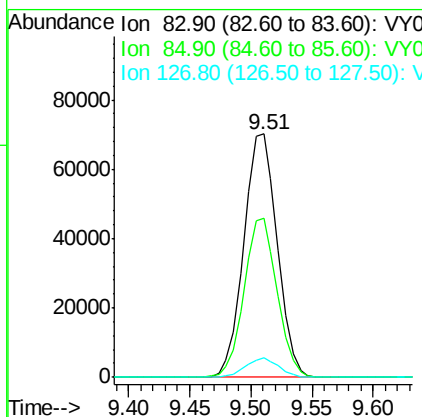
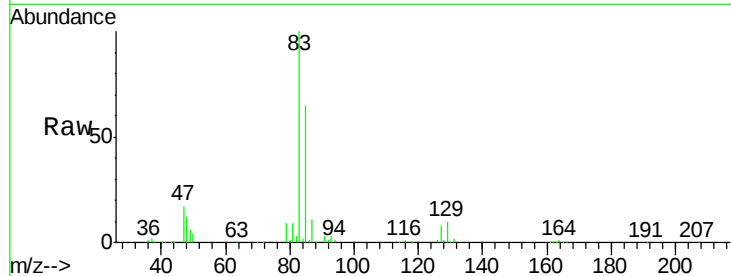
#47
Bromodichloromethane
Concen: 55.723 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.3	49.7	74.5	
127	8.1	6.2	9.4	

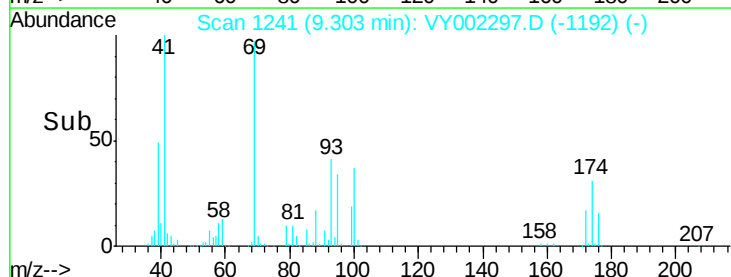
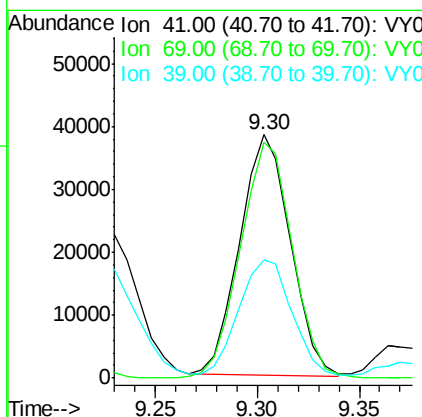
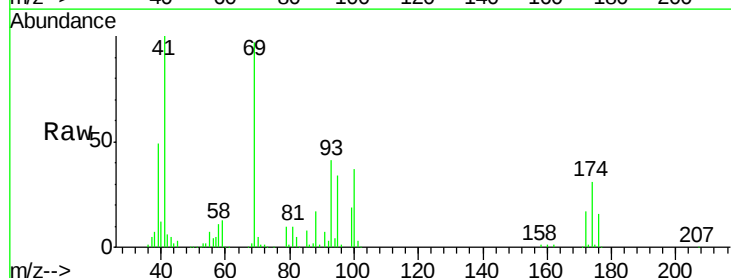
Manual Integrations
APPROVED

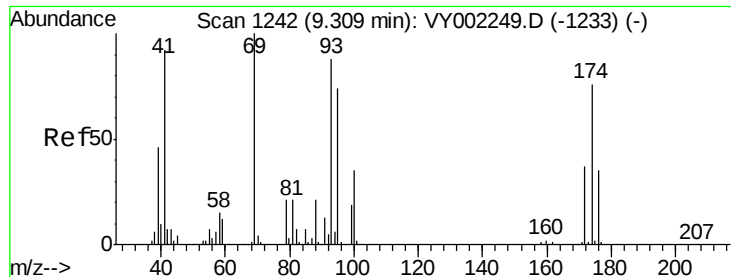
MMDadoda
4/14/2020 10:02:00 AM



#48
Methyl methacrylate
Concen: 53.248 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	101.3	76.7	115.1	
39	53.0	40.5	60.7	





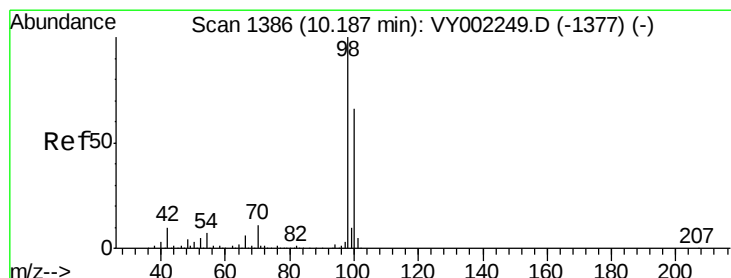
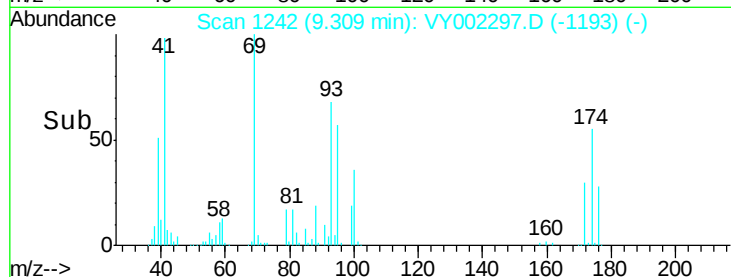
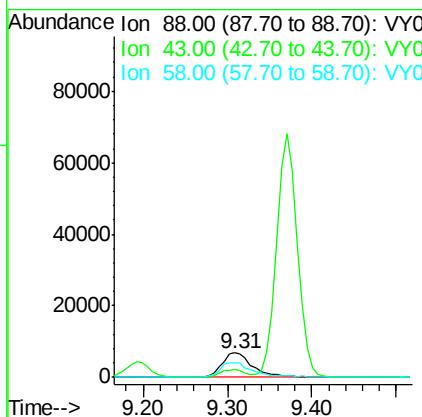
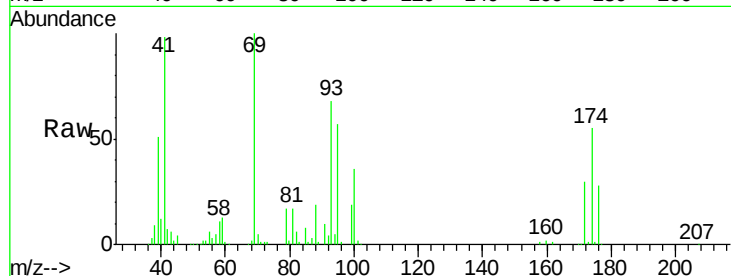
#49
1,4-Dioxane
Concen: 1165.138 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	17185
Ion	Ratio	Lower	Upper
88	100		
43	24.6	22.2	33.2
58	64.4	57.6	86.4

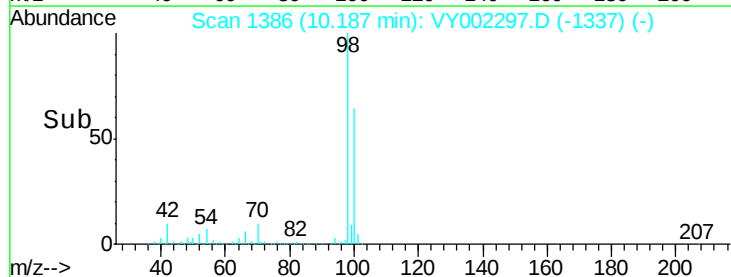
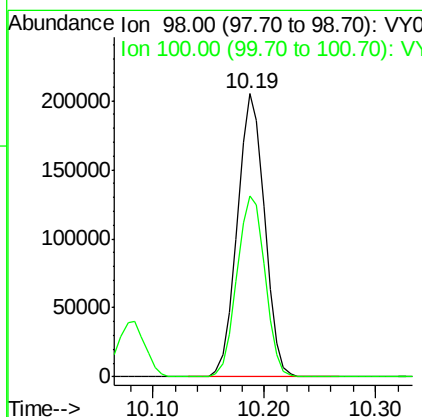
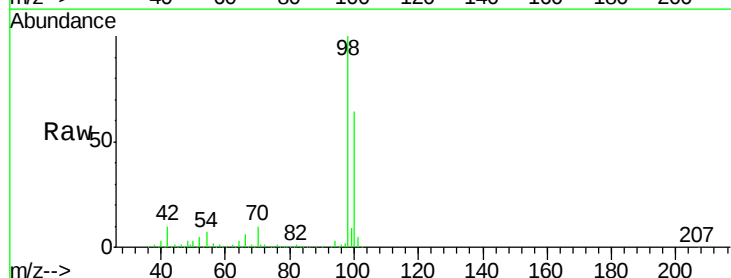
Manual Integrations
APPROVED

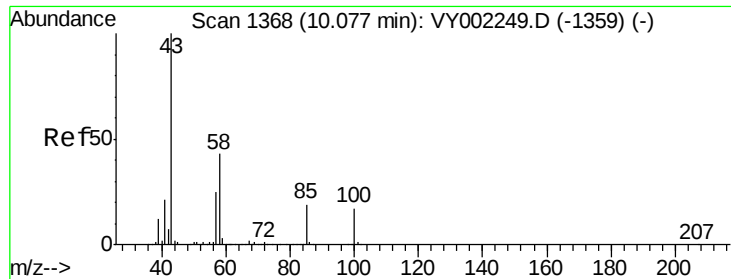
MMDadoda
4/14/2020 10:02:00 AM



#50
Toluene-d8
Concen: 51.789 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	98	Resp	346896
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 274.262 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 394446

Ion Ratio Lower Upper

43 100

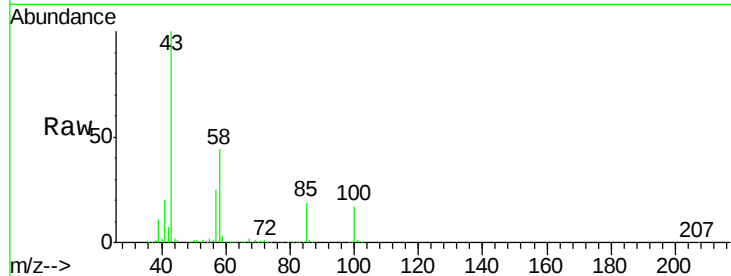
58 43.8 33.8 50.8

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:02:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

250000

200000

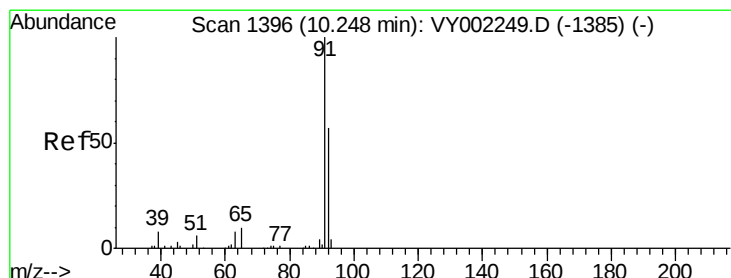
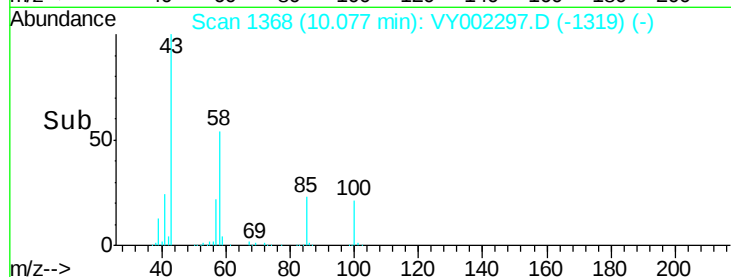
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 54.899 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VY002297.D

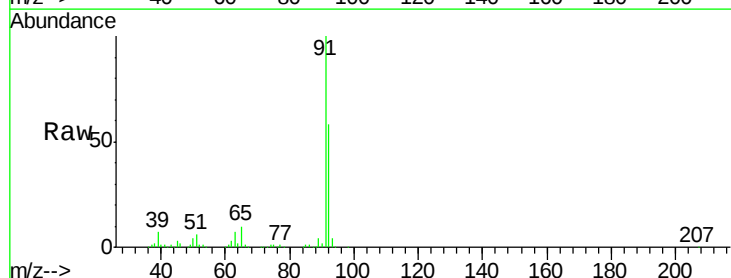
Acq: 13 Apr 2020 21:36

Tgt Ion: 92 Resp: 265913

Ion Ratio Lower Upper

92 100

91 171.4 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

300000

250000

200000

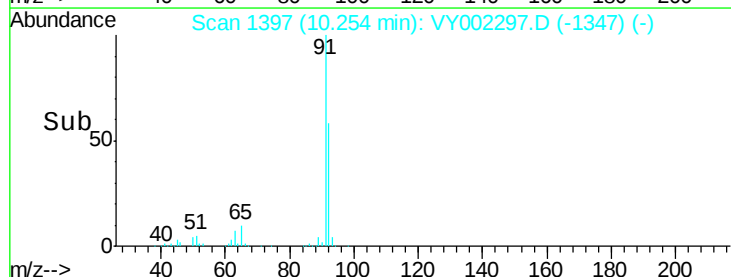
150000

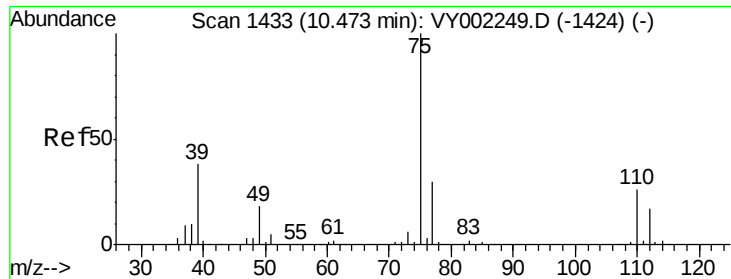
100000

50000

0

Time-->





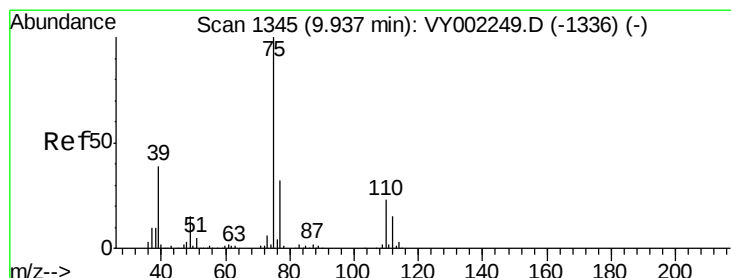
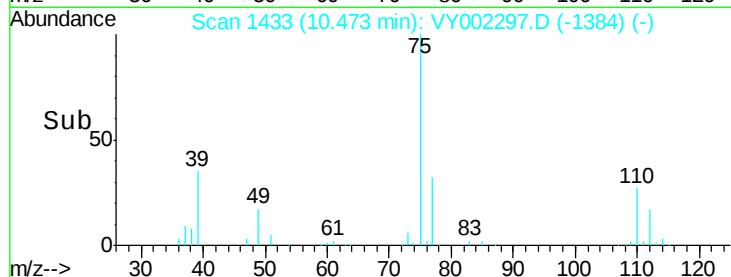
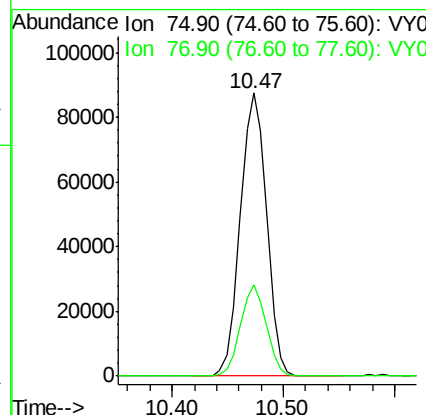
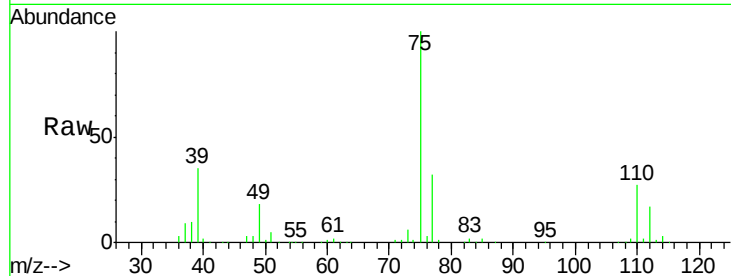
#53
t-1,3-Dichloropropene
Concen: 54.866 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 143018
Ion Ratio Lower Upper
75 100
77 32.2 24.2 36.2

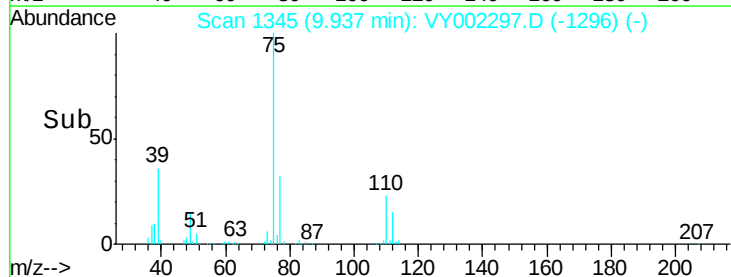
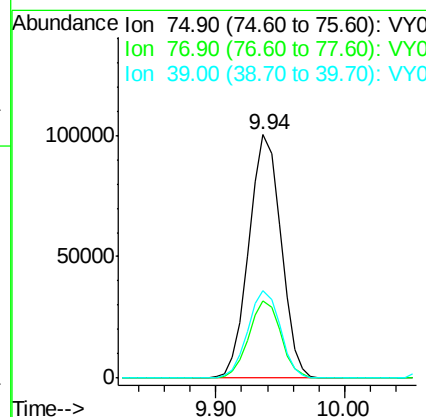
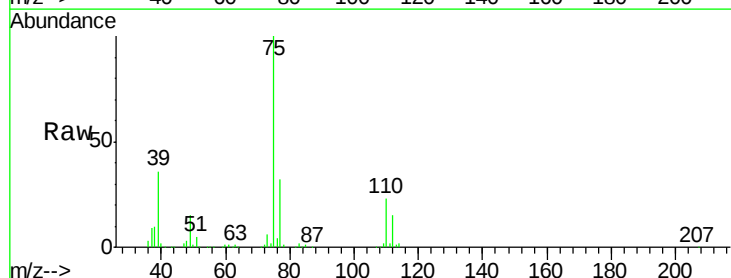
Manual Integrations
APPROVED

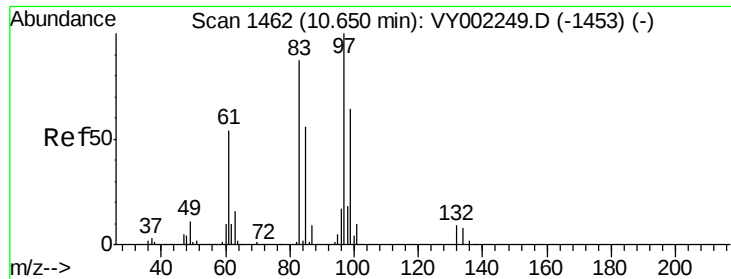
MMDadoda
4/14/2020 10:02:00 AM



#54
cis-1,3-Dichloropropene
Concen: 54.941 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 75 Resp: 172177
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
39 36.0 30.8 46.2





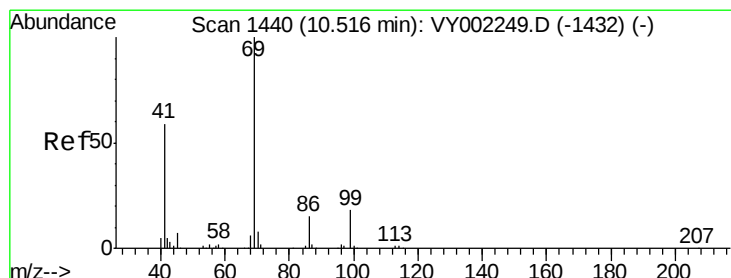
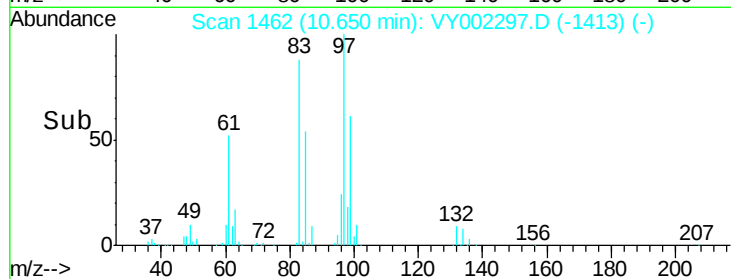
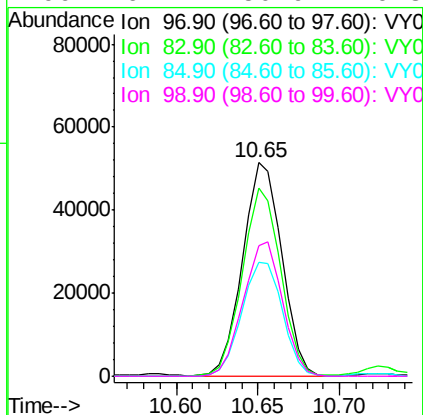
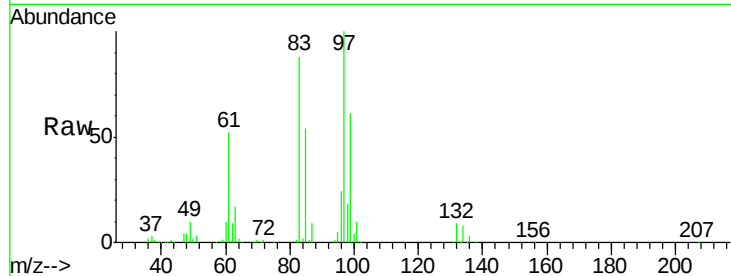
#55
 1,1,2-Trichloroethane
 Concen: 56.270 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		85898		
83	88.5	69.5	104.3		
85	53.7	45.2	67.8		
99	61.4	50.9	76.3		

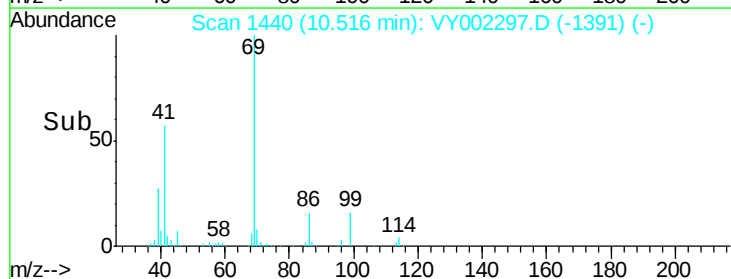
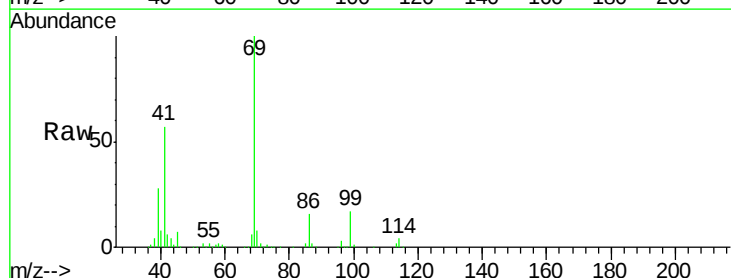
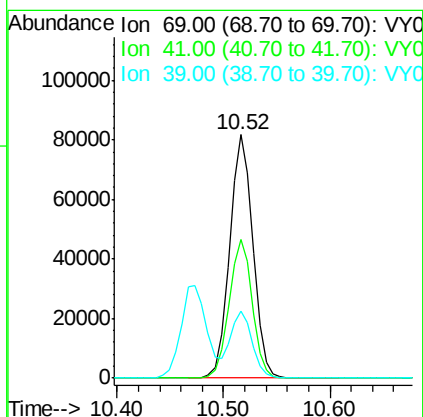
Manual Integrations
 APPROVED

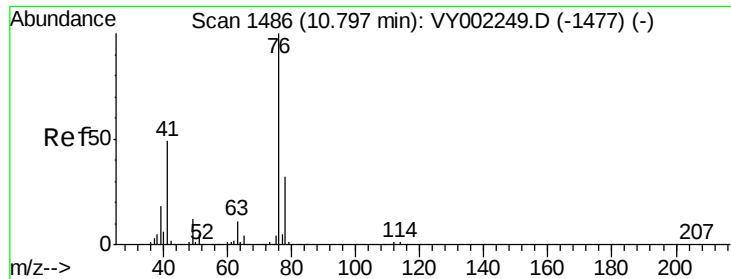
MMDadoda
 4/14/2020 10:02:00 AM



#56
 Ethyl methacrylate
 Concen: 57.425 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		125114		
41	56.0	47.9	71.9		
39	25.7	23.8	35.6		





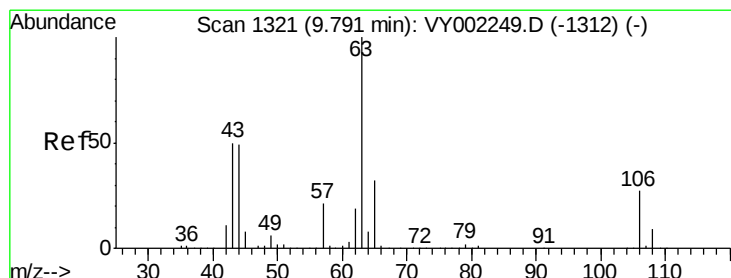
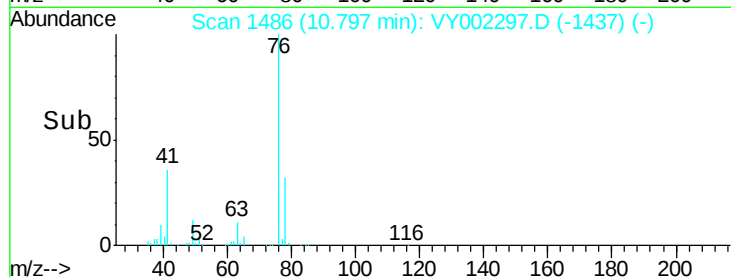
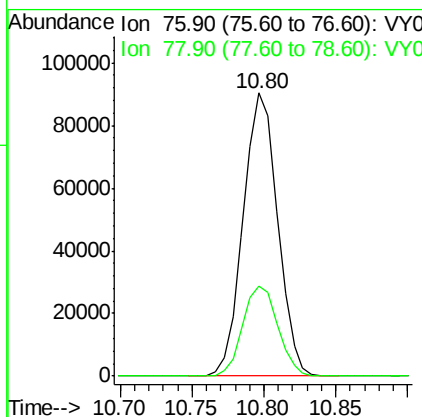
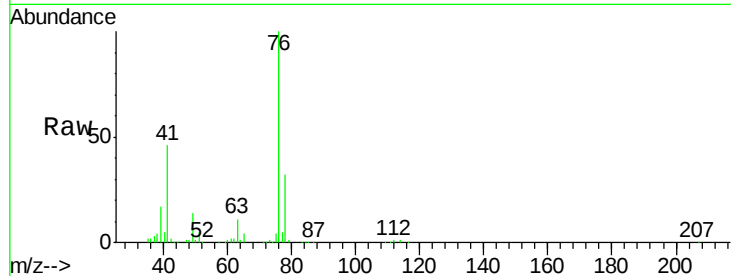
#57
 1,3-Dichloropropane
 Concen: 55.835 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 149816
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

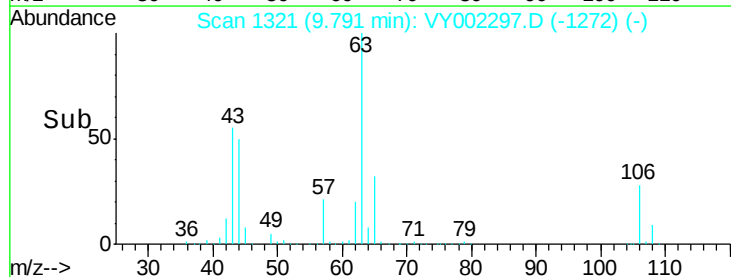
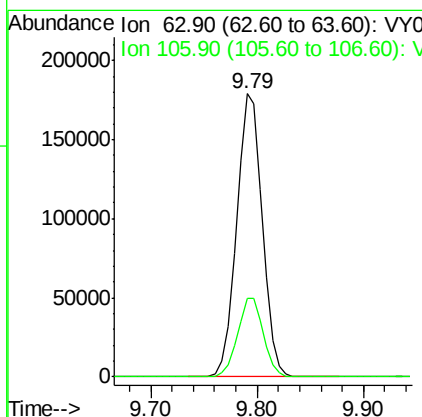
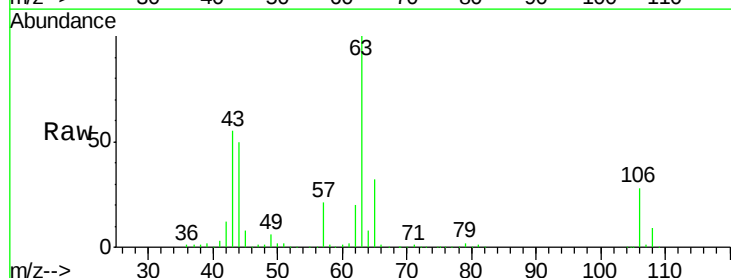
Manual Integrations
 APPROVED

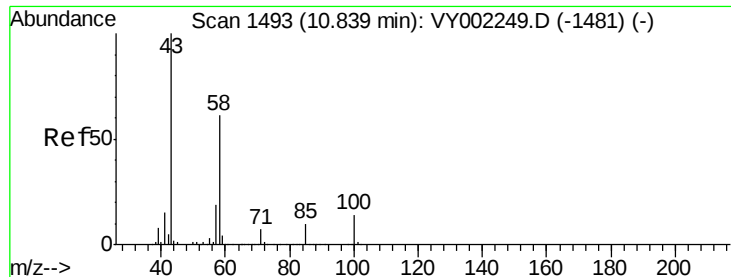
MMDadoda
 4/14/2020 10:02:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.337 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion: 63 Resp: 301624
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.2 33.2





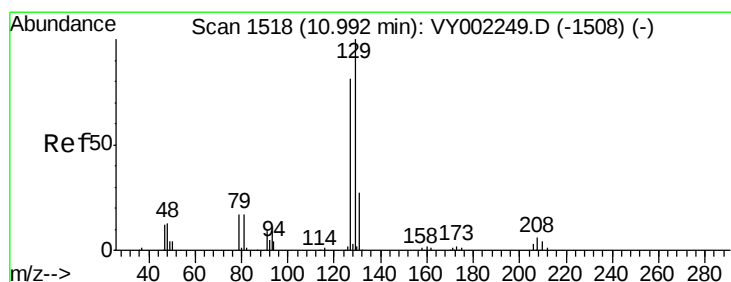
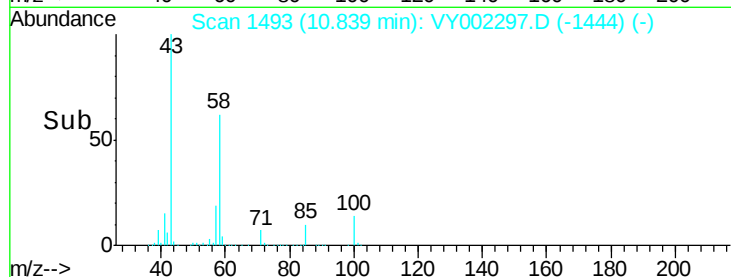
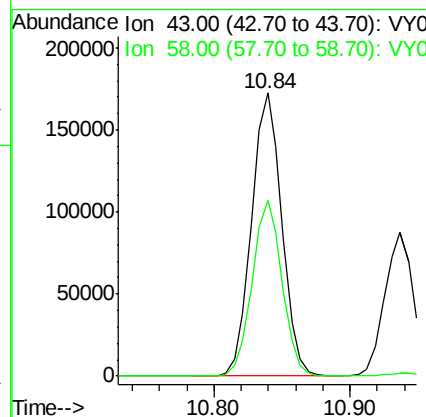
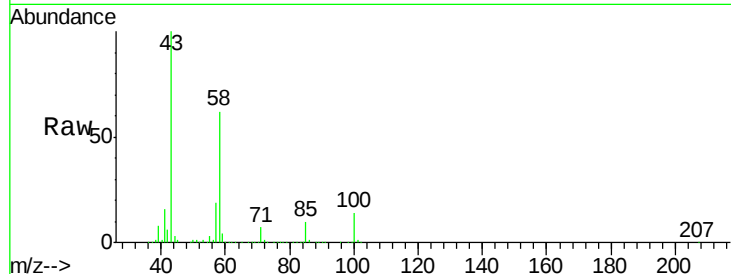
#59
2-Hexanone
Concen: 269.430 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 268933
Ion Ratio Lower Upper
43 100
58 61.1 29.8 89.3

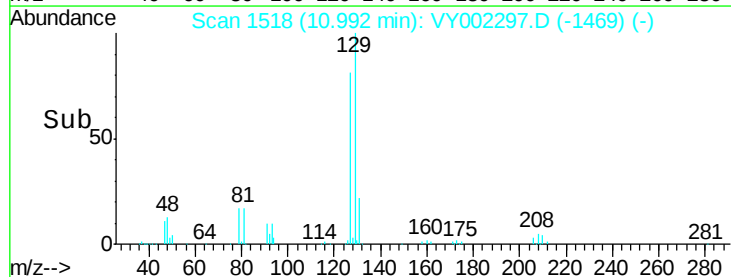
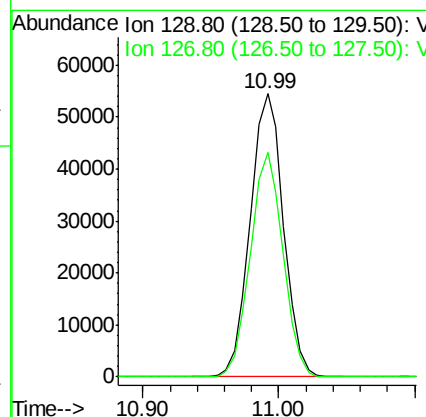
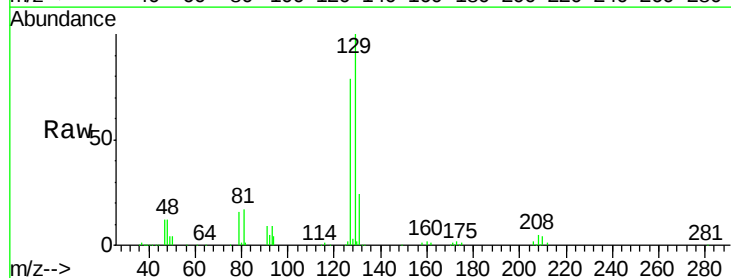
Manual Integrations
APPROVED

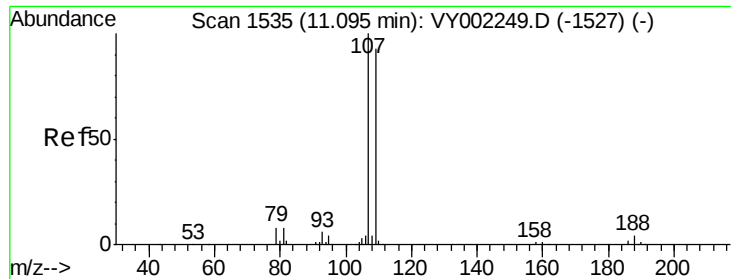
MMDadoda
4/14/2020 10:02:00 AM



#60
Dibromochloromethane
Concen: 57.352 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 129 Resp: 93355
Ion Ratio Lower Upper
129 100
127 77.7 39.0 117.0





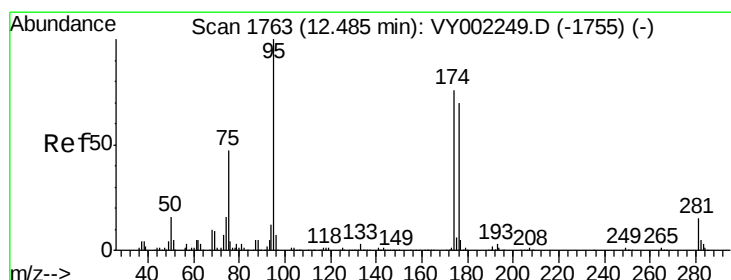
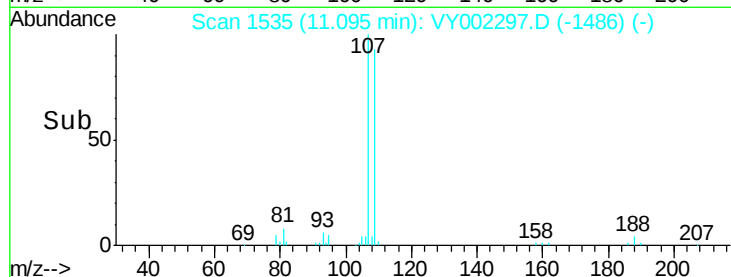
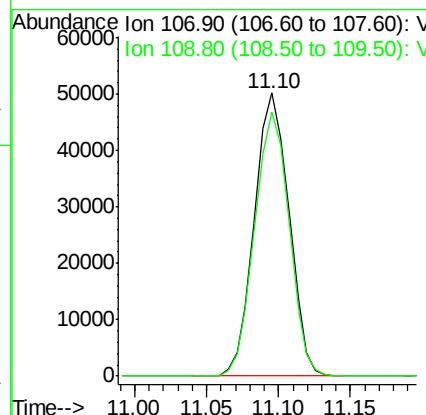
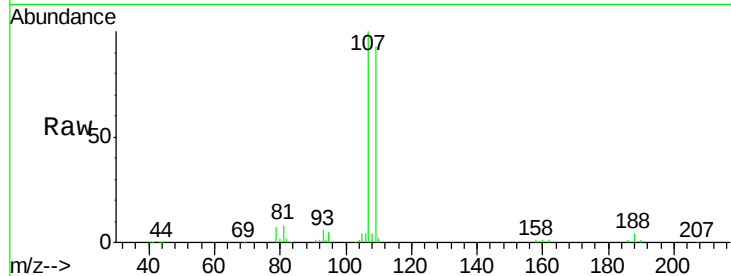
#61
 1,2-Dibromoethane
 Concen: 57.371 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 83376
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.6 113.4

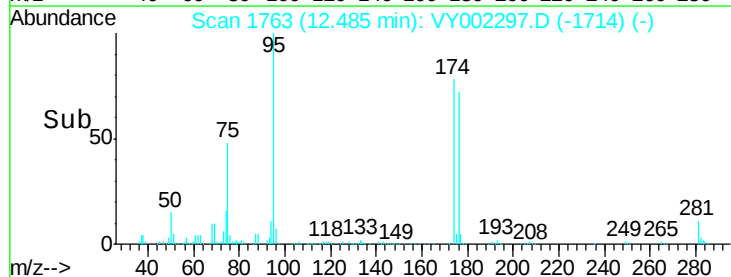
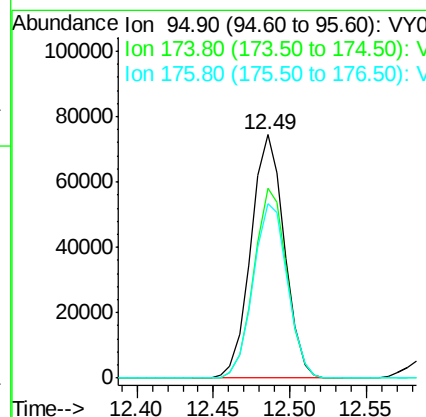
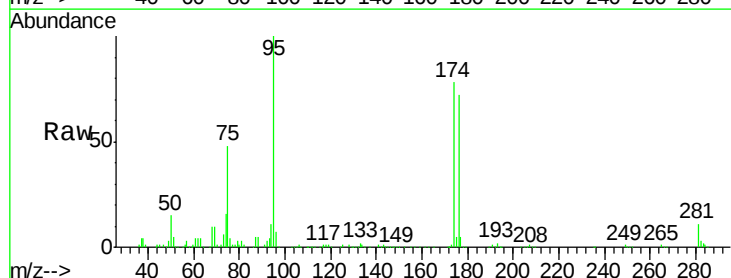
Manual Integrations
 APPROVED

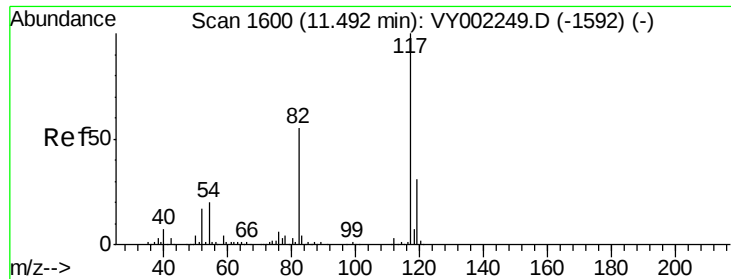
MMDadoda
 4/14/2020 10:02:00 AM



#62
 4-Bromofluorobenzene
 Concen: 51.207 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion: 95 Resp: 113159
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 150.6
 176 73.4 0.0 141.4





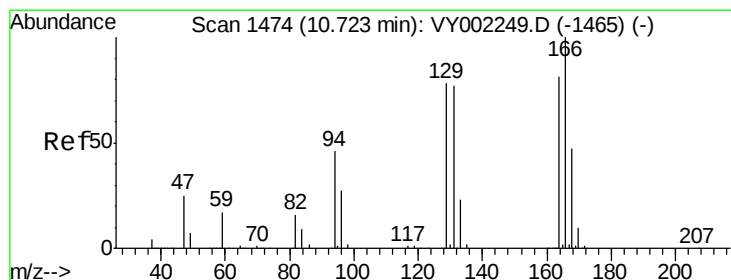
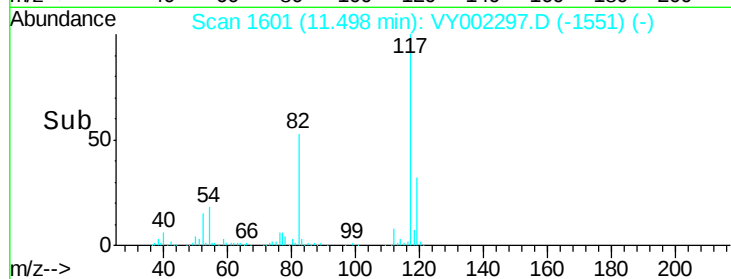
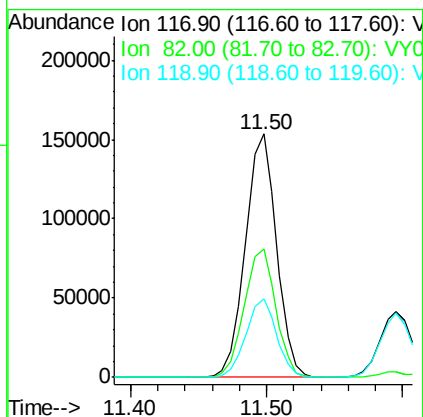
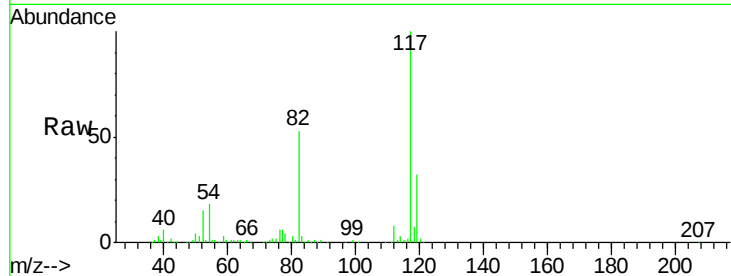
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	246150		
82	53.0		44.2	66.4
119	32.2		25.1	37.7

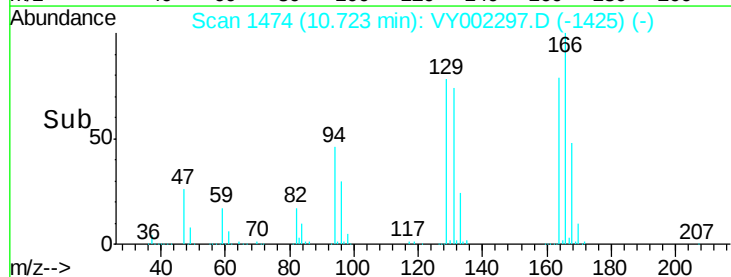
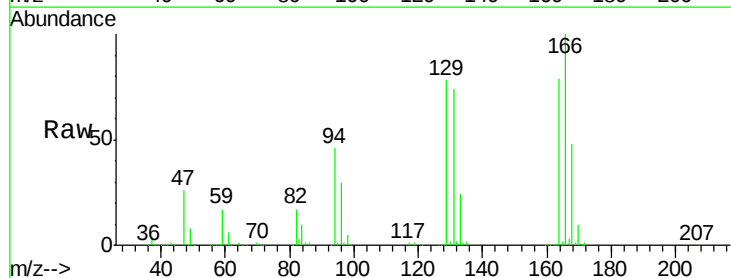
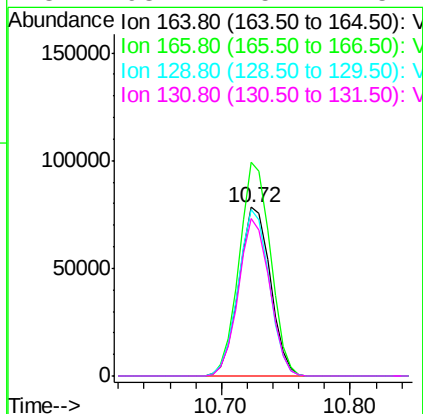
Manual Integrations
APPROVED

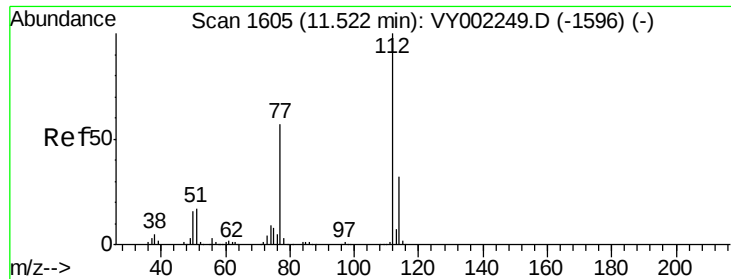
MMDadoda
4/14/2020 10:02:00 AM



#64
Tetrachloroethene
Concen: 53.221 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132448		
166	126.7		98.4	147.6
129	98.4		76.6	115.0
131	93.4		75.4	113.2





#65

Chlorobenzene

Concen: 53.923 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 275912

Ion Ratio Lower Upper

112 100

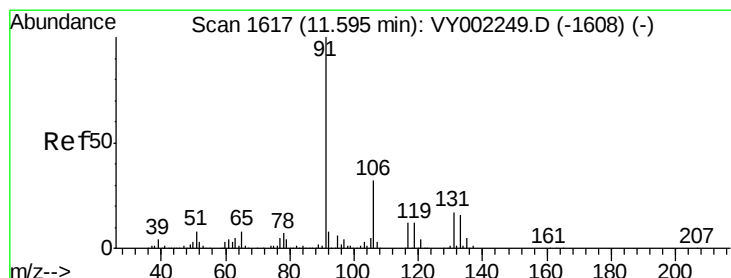
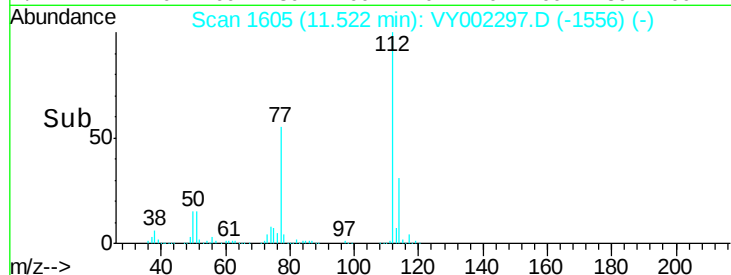
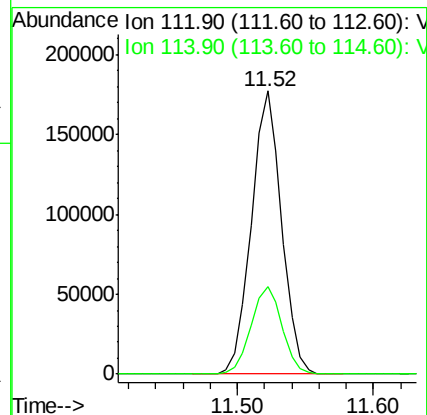
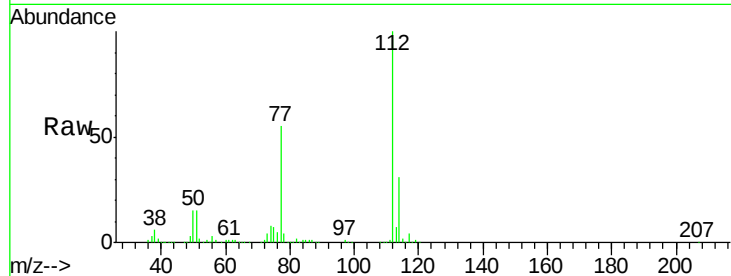
114 30.9 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:02:00 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 54.965 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

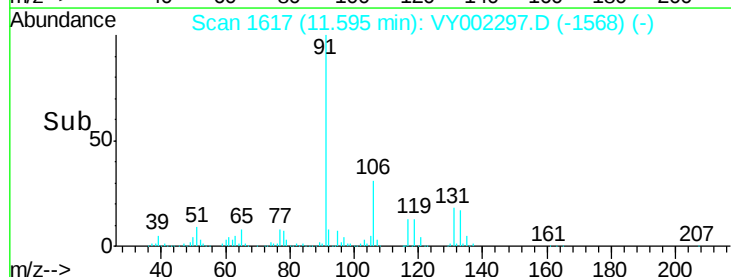
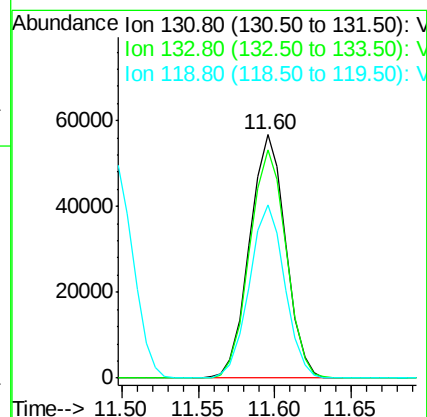
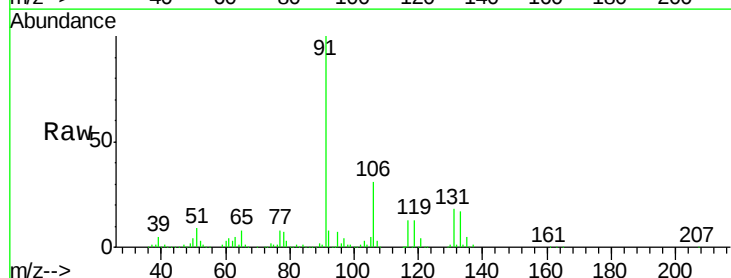
Tgt Ion:131 Resp: 92855

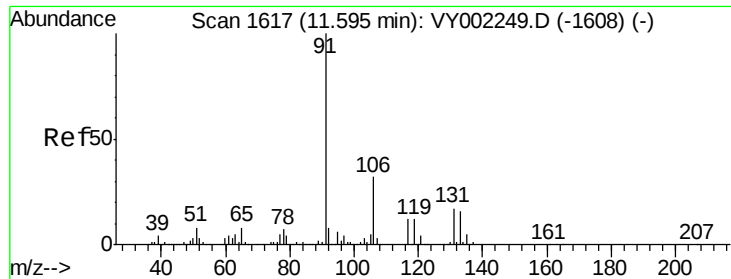
Ion Ratio Lower Upper

131 100

133 95.1 46.5 139.3

119 70.0 34.5 103.6





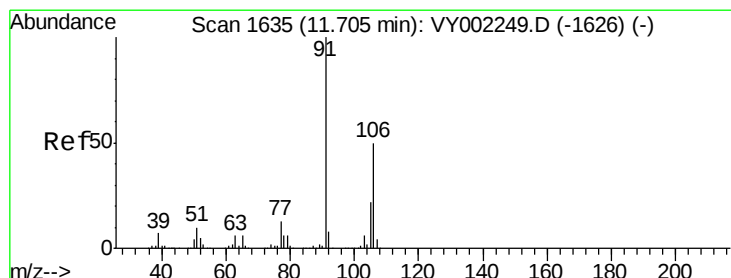
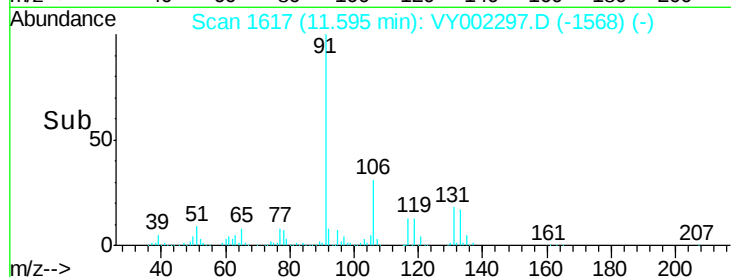
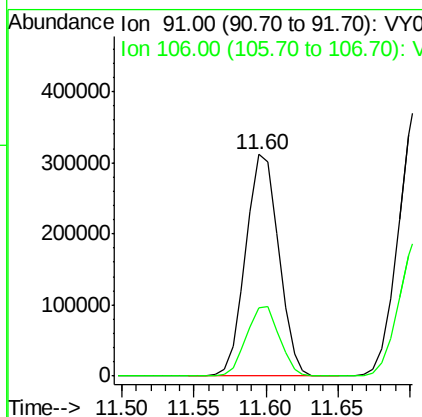
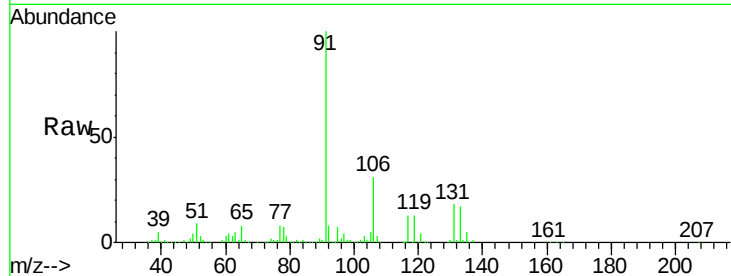
#67
Ethyl Benzene
Concen: 52.938 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 495877
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0

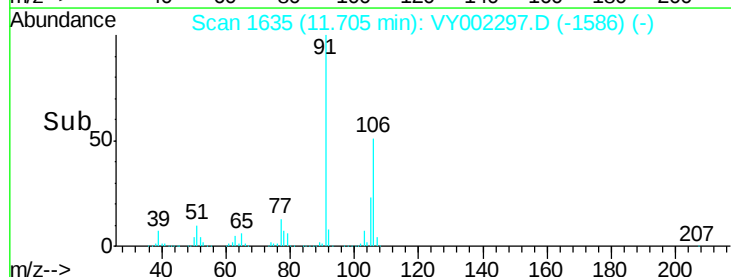
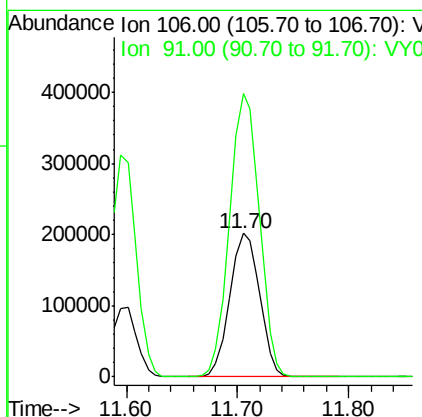
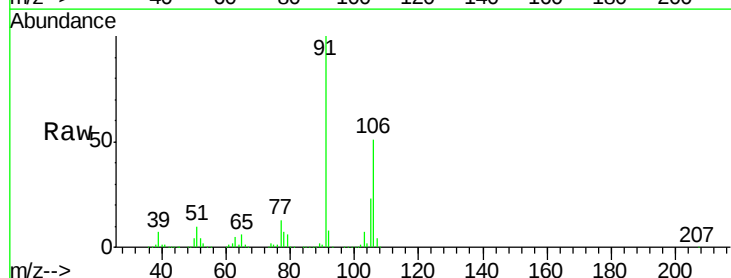
Manual Integrations
APPROVED

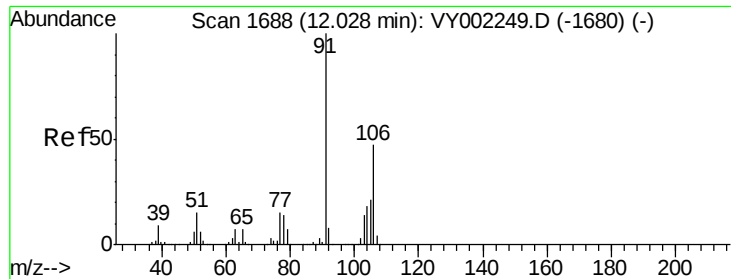
MMDadoda
4/14/2020 10:02:00 AM



#68
m/p-Xylenes
Concen: 106.764 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 106 Resp: 374569
Ion Ratio Lower Upper
106 100
91 196.8 159.8 239.6





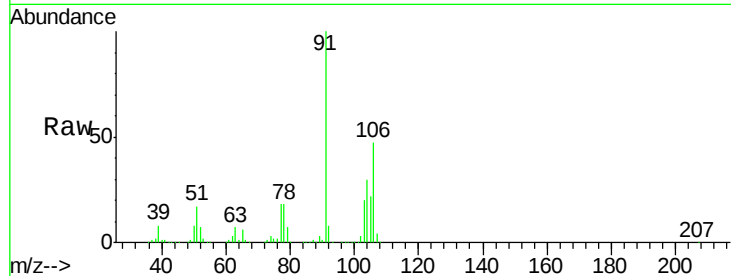
#69
o-Xylene
Concen: 53.584 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

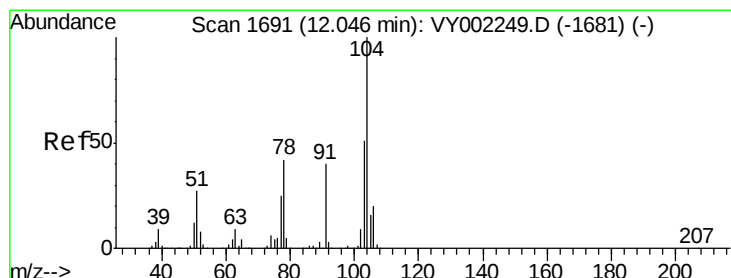
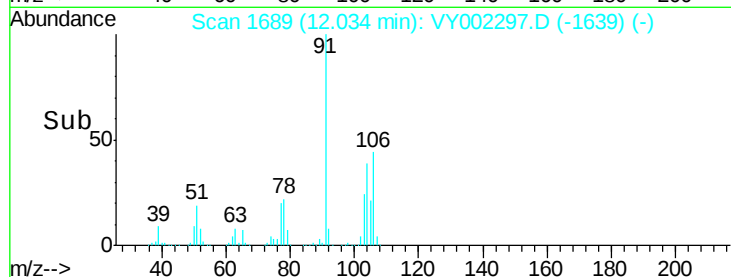
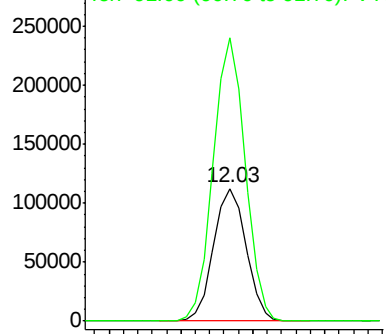
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		176497		
91	208.9	105.8	317.3		

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:02:00 AM

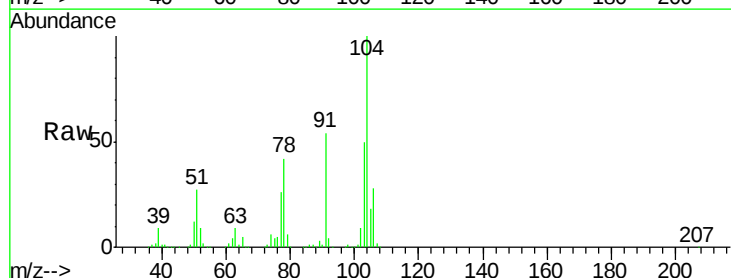


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

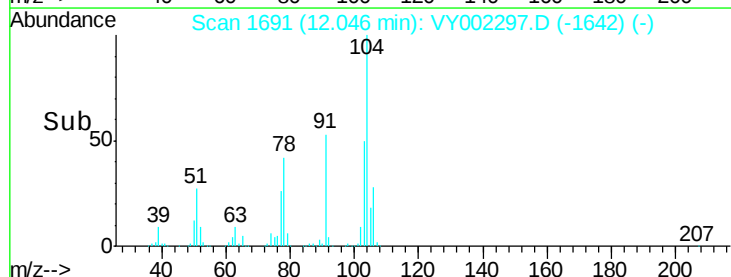
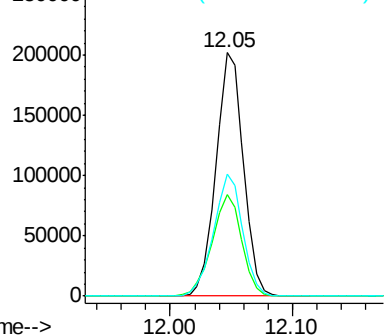


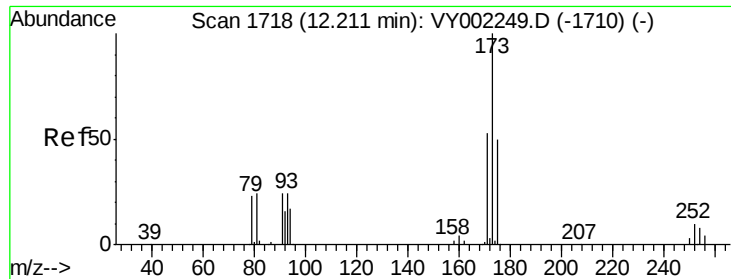
#70
Styrene
Concen: 54.944 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		313983		
78	45.0	37.2	55.8		
103	53.0	43.4	65.0		



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





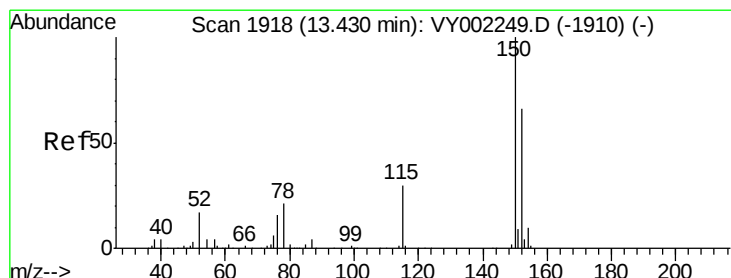
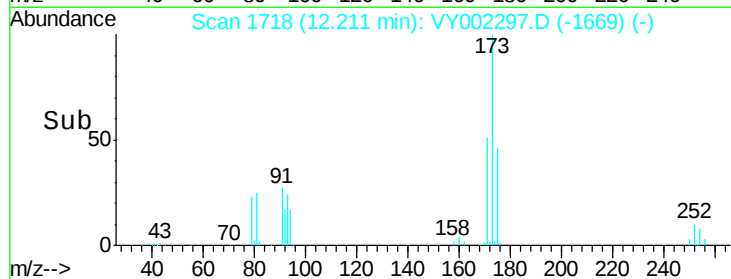
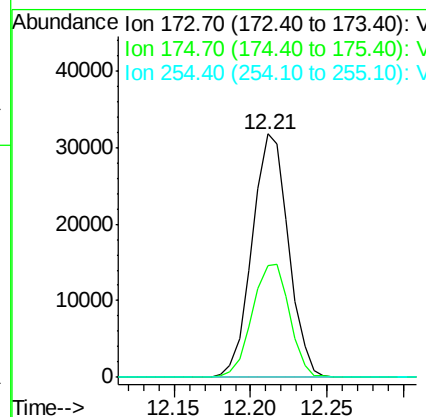
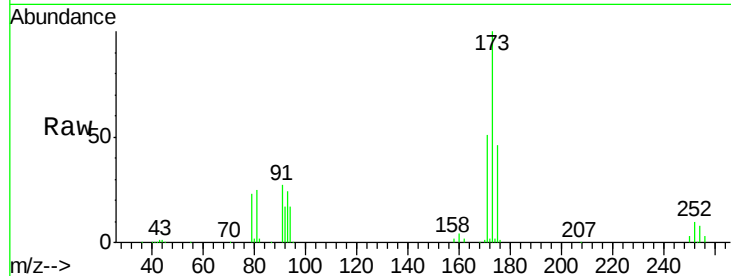
#71
Bromoform
Concen: 57.212 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.1	72.3
254	0.0	0.0	0.0

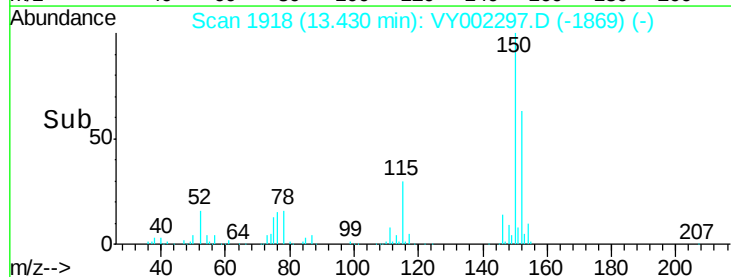
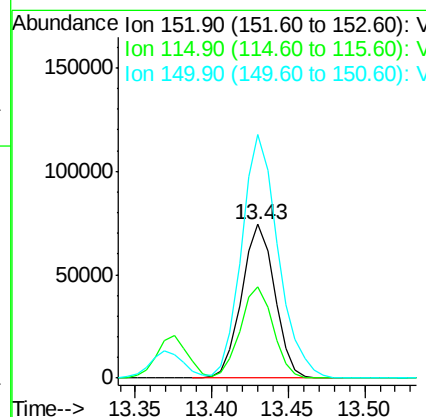
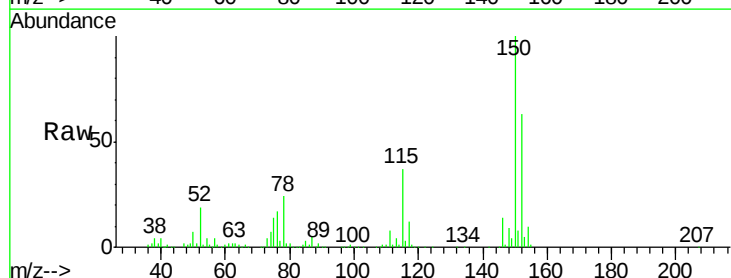
Manual Integrations
APPROVED

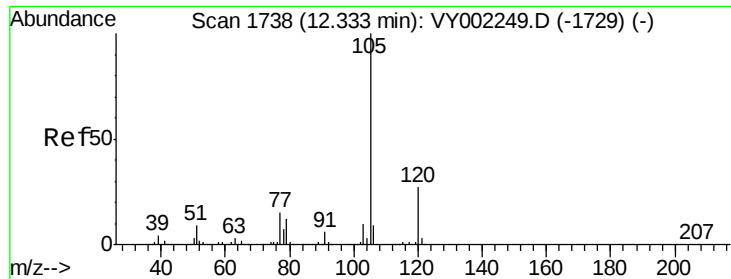
MMDadoda
4/14/2020 10:02:00 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.7	92.1
150	174.7	0.0	350.6





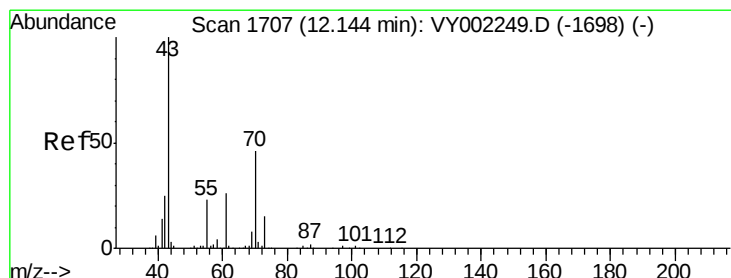
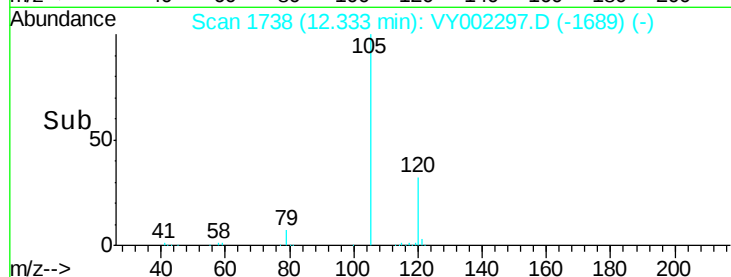
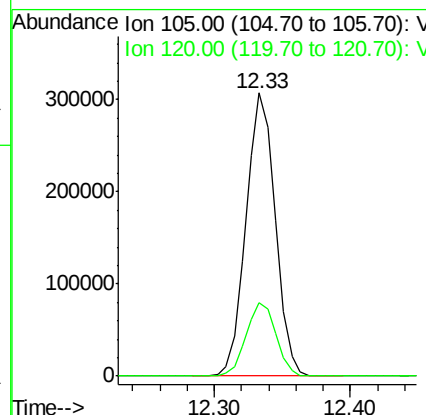
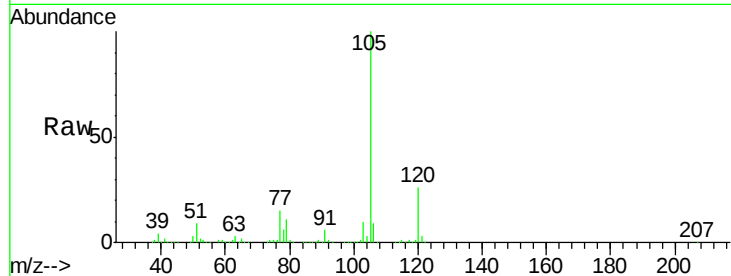
#73
Isopropylbenzene
Concen: 52.676 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.8

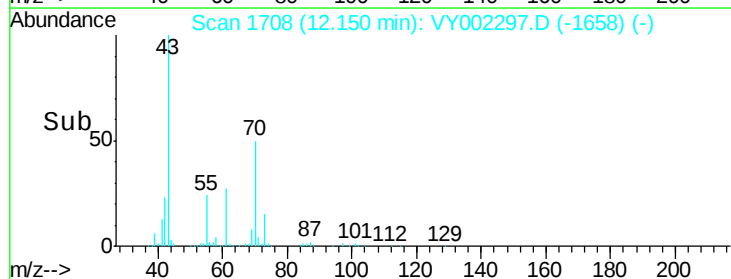
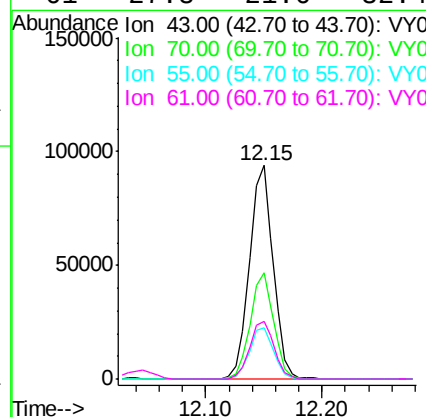
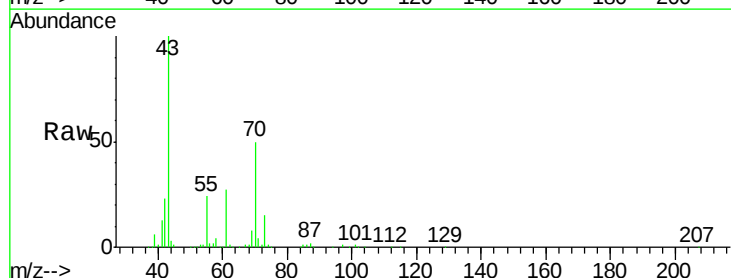
Manual Integrations
APPROVED

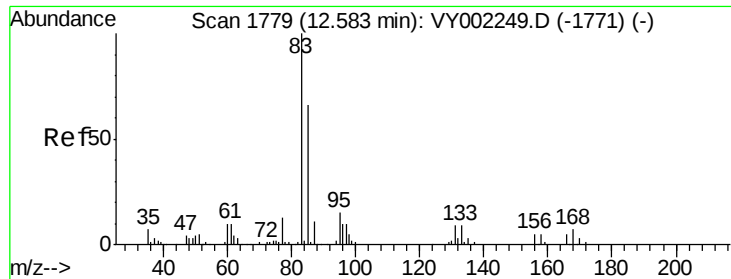
MMDadoda
4/14/2020 10:02:00 AM



#74
N-ethyl acetate
Concen: 53.628 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.2	37.5	56.3
55	24.6	19.0	28.6
61	27.8	21.6	32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 57.170 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 60635

Ion Ratio Lower Upper

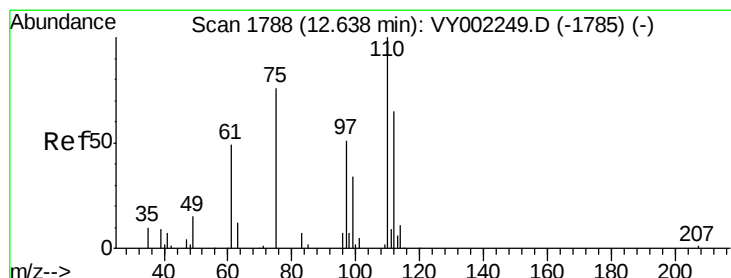
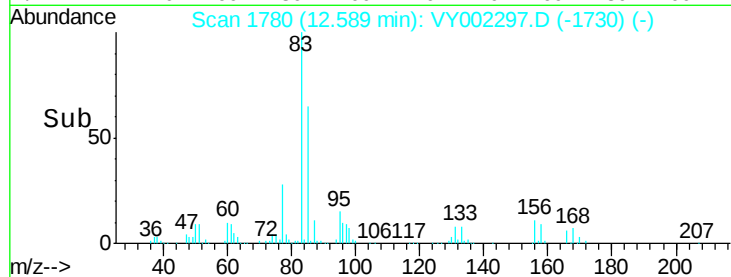
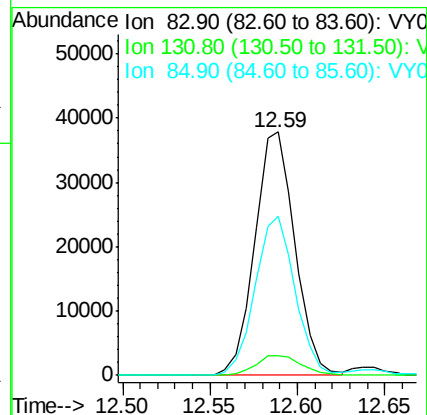
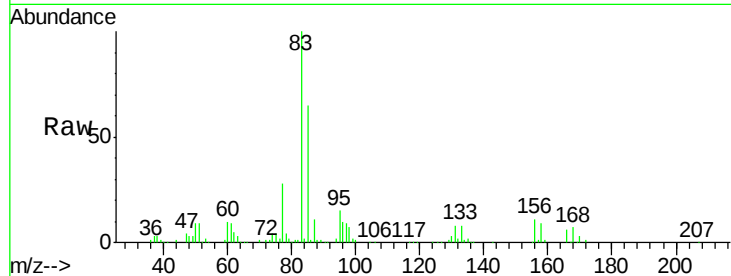
83 100

131 9.7 4.9 14.7

85 65.4 32.6 97.8

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:02:00 AM



#76

1,2,3-Trichloropropane

Concen: 52.200 ug/l m

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY002297.D

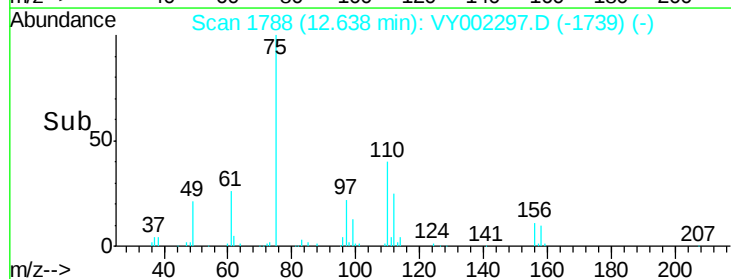
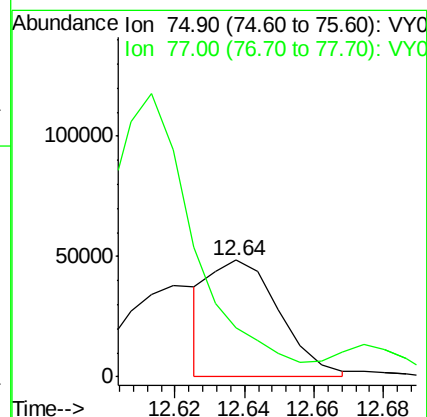
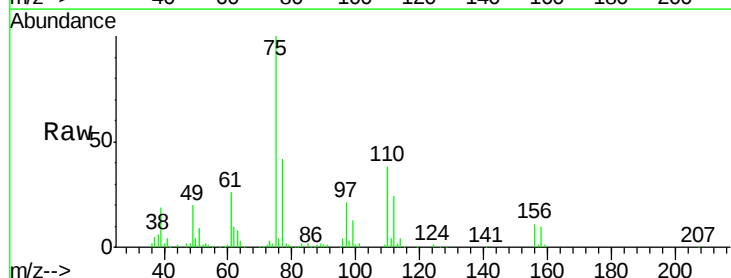
Acq: 13 Apr 2020 21:36

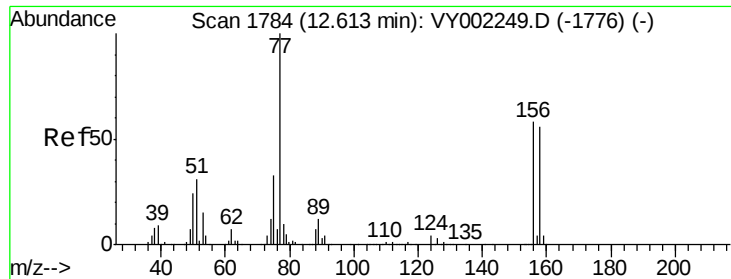
Tgt Ion: 75 Resp: 67638

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.658 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

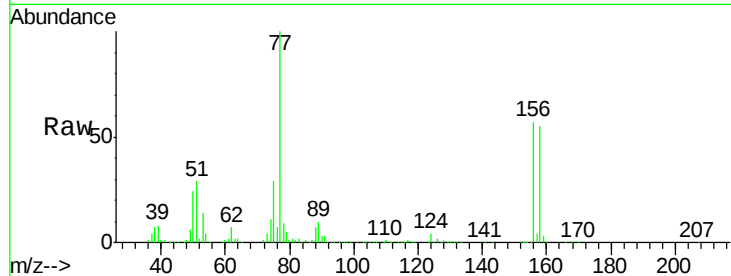
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	197.5	101.3	303.9	
158	95.1	48.3	144.8	

Manual Integrations
APPROVED

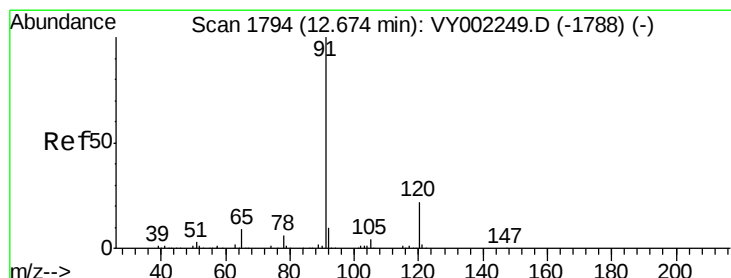
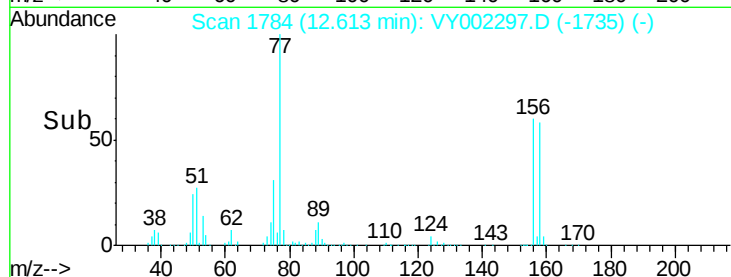
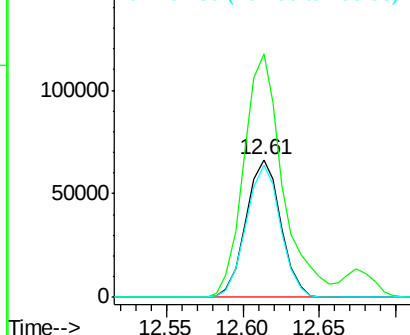
MMDadoda
4/14/2020 10:02:00 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.552 ug/l

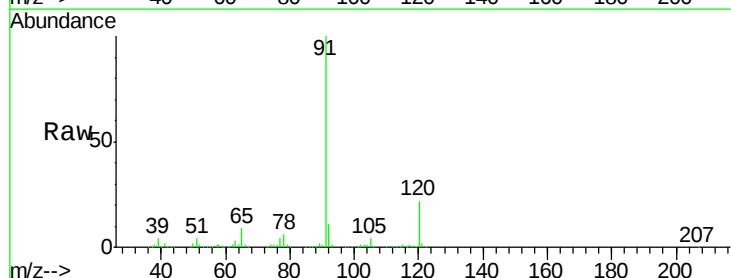
RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY002297.D

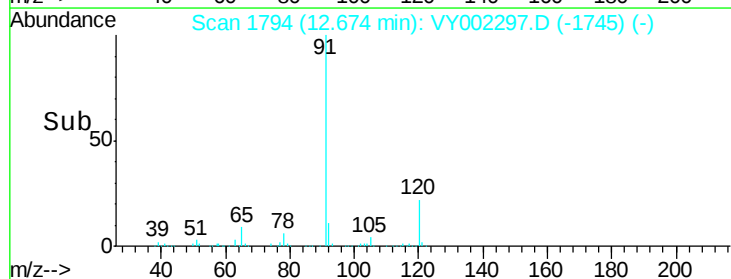
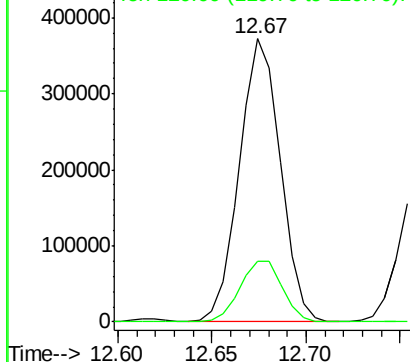
Acq: 13 Apr 2020 21:36

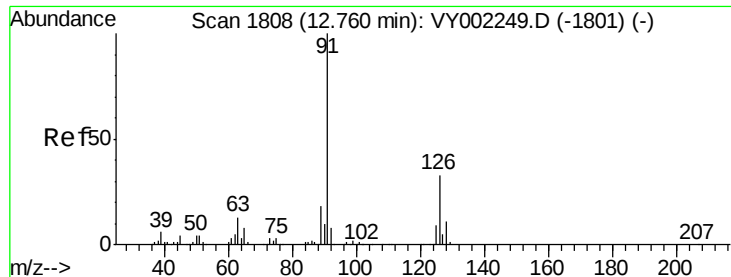
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	11.2	33.5	



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





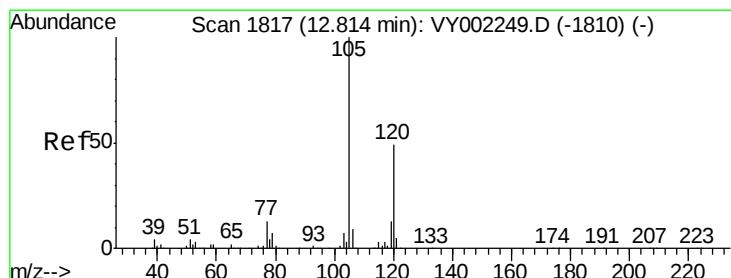
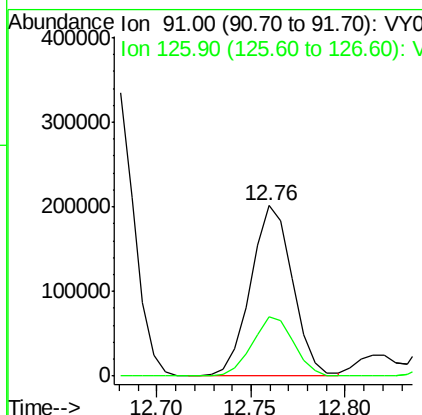
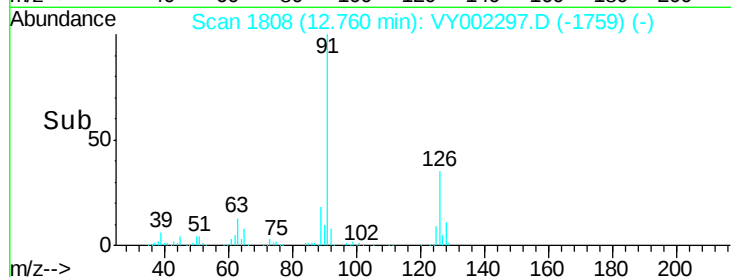
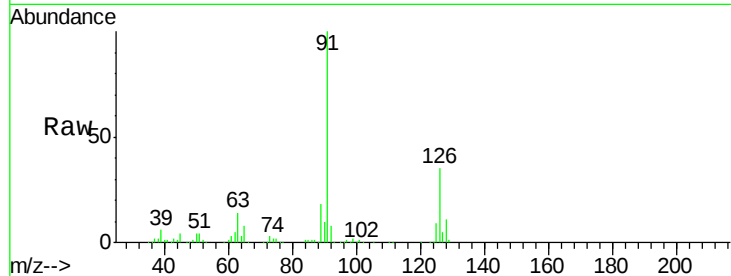
#79
2-Chlorotoluene
Concen: 52.481 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 310948
Ion Ratio Lower Upper
91 100
126 34.5 16.9 50.7

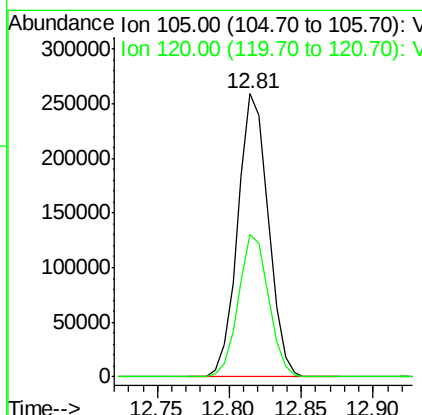
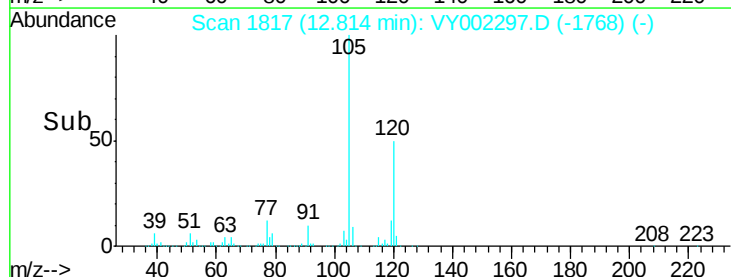
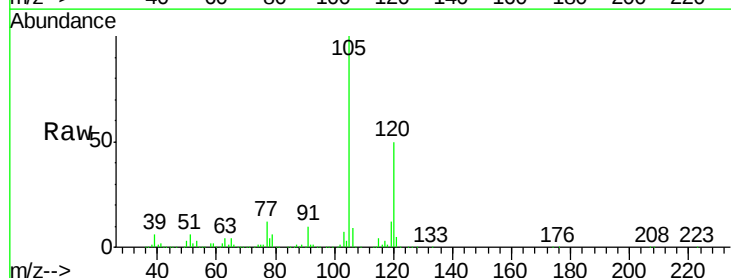
Manual Integrations
APPROVED

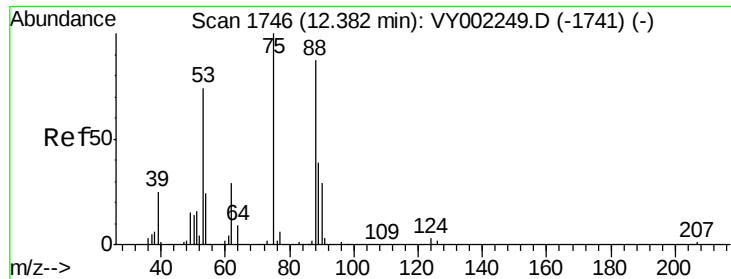
MMDadoda
4/14/2020 10:02:00 AM



#80
1,3,5-Trimethylbenzene
Concen: 52.484 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion: 105 Resp: 380502
Ion Ratio Lower Upper
105 100
120 49.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 54.407 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

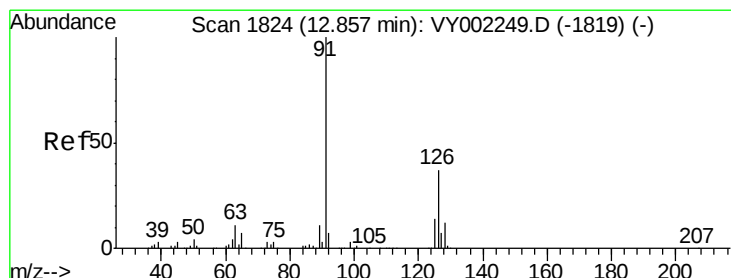
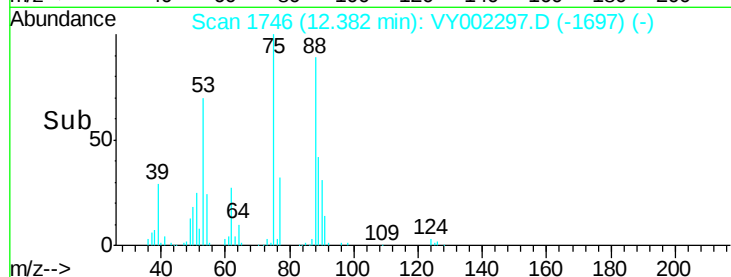
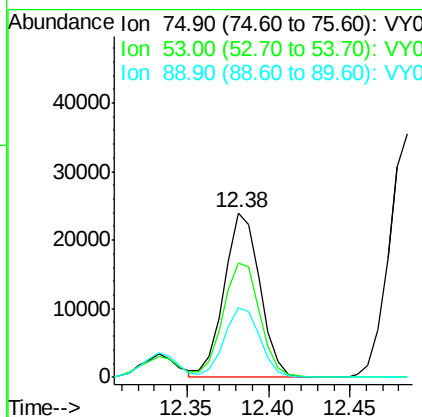
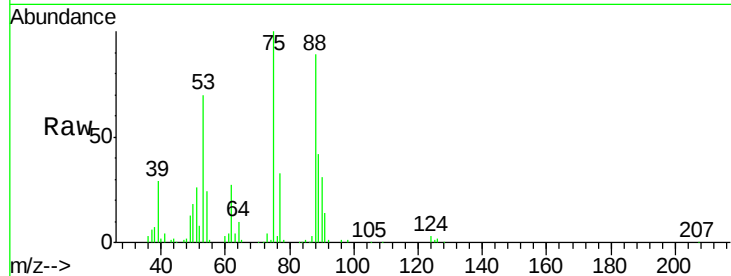
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	36246
Ion	Ratio	Lower	Upper
75	100		
53	71.3	59.8	89.8
89	42.5	37.0	55.6

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:02:00 AM



#82

4-Chlorotoluene

Concen: 51.319 ug/l

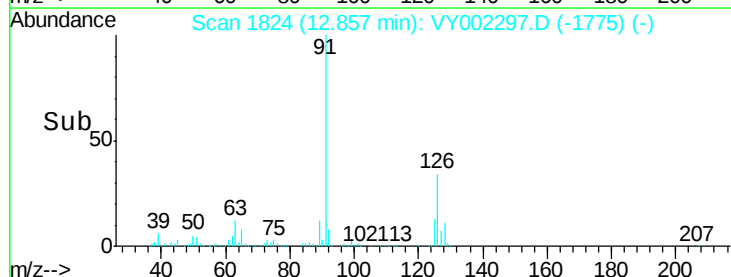
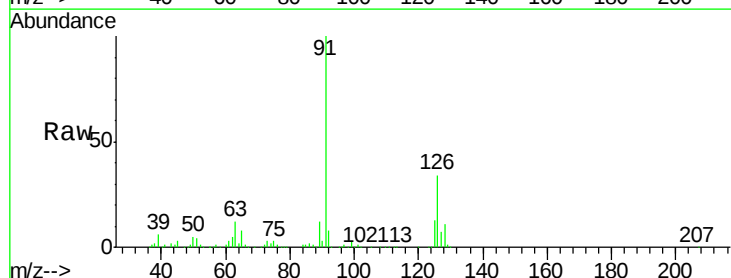
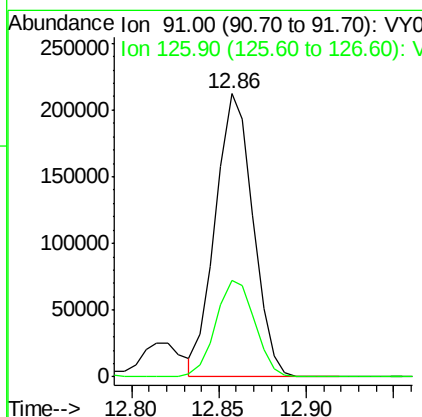
RT: 12.86 min Scan# 1824

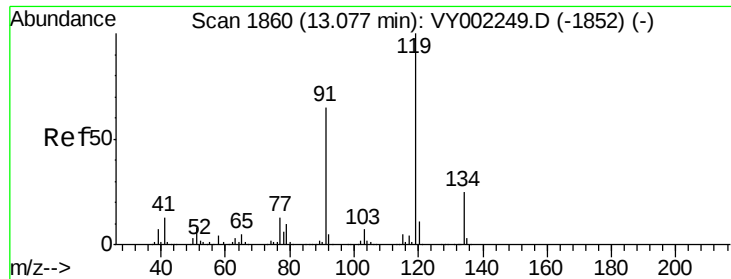
Delta R.T. 0.00 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Tgt Ion:	91	Resp:	318693
Ion	Ratio	Lower	Upper
91	100		
126	35.1	16.9	50.7





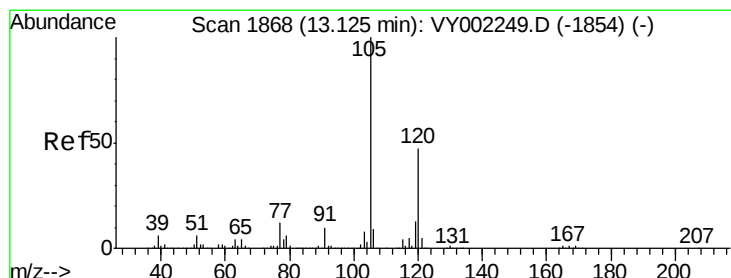
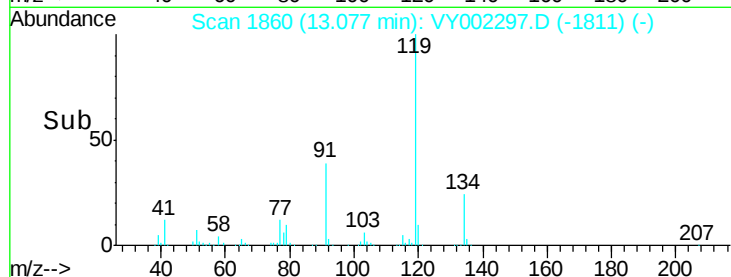
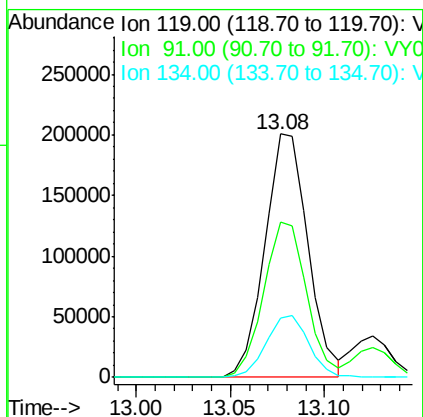
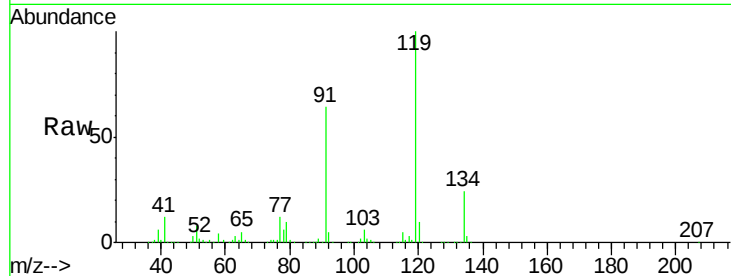
#83
tert-Butylbenzene
Concen: 52.536 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.4	97.0
134	25.2	12.6	37.6

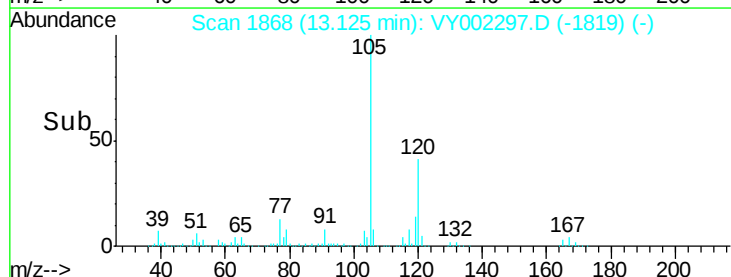
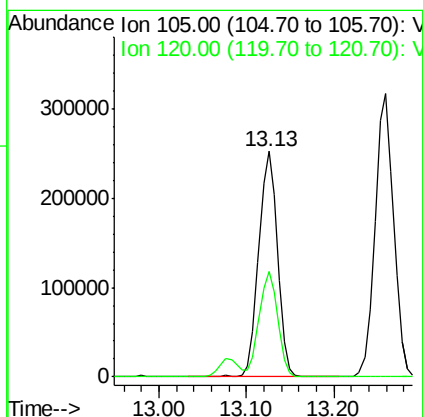
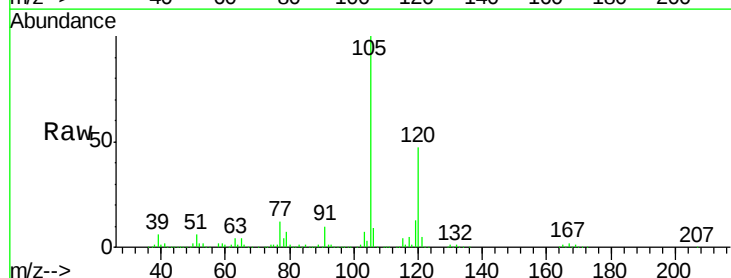
Manual Integrations
APPROVED

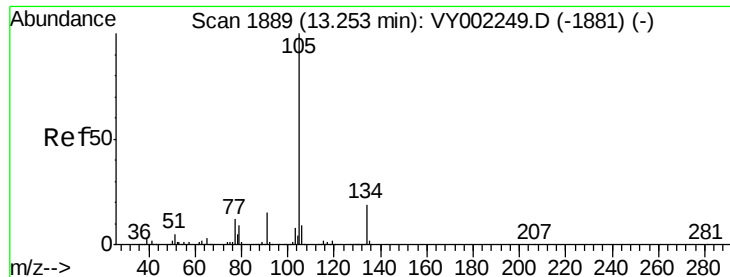
MMDadoda
4/14/2020 10:02:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.186 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.2





#85

sec-Butylbenzene

Concen: 51.486 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 465768

Ion Ratio Lower Upper

105 100

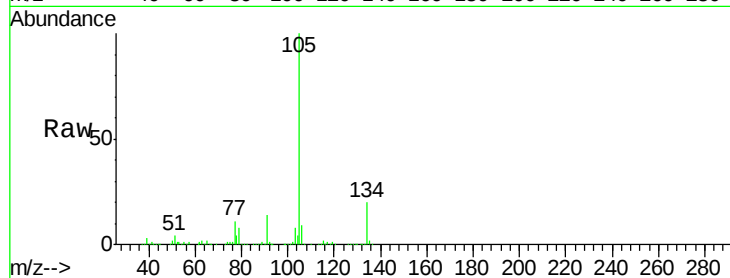
134 19.6 9.8 29.3

Manual Integrations

APPROVED

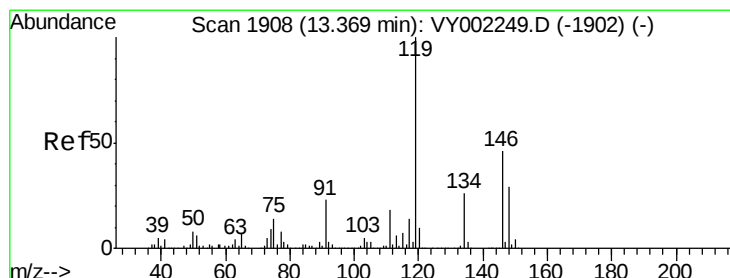
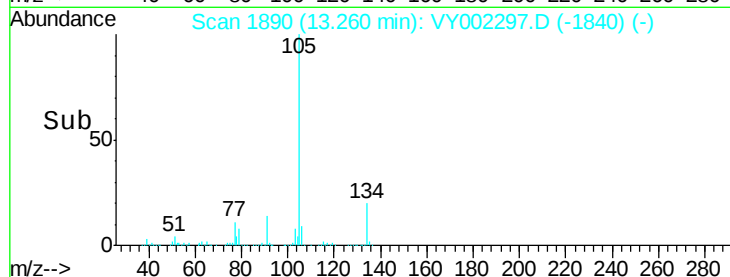
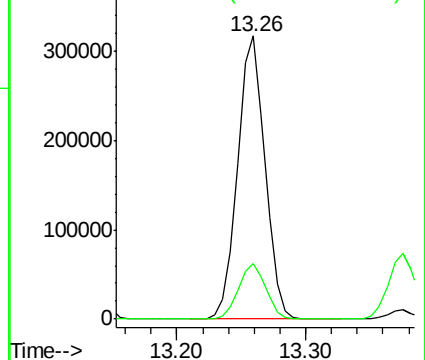
MMDadoda

4/14/2020 10:02:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.181 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY002297.D

Acq: 13 Apr 2020 21:36

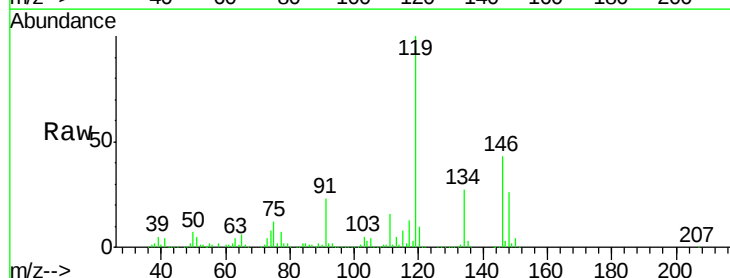
Tgt Ion:119 Resp: 398497

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

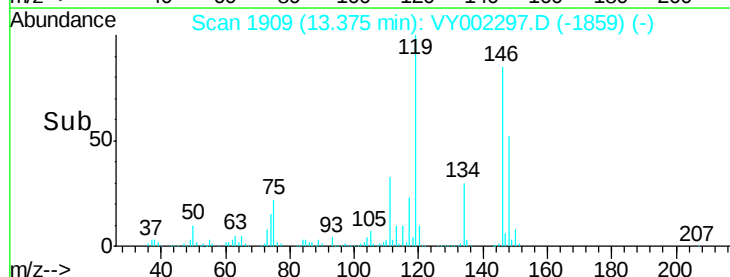
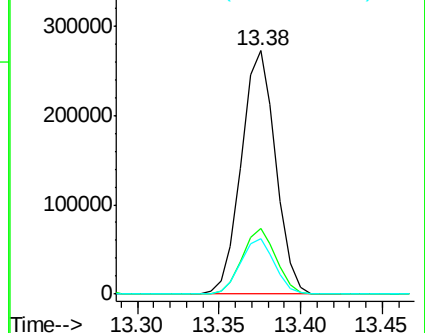
91 22.7 11.5 34.4

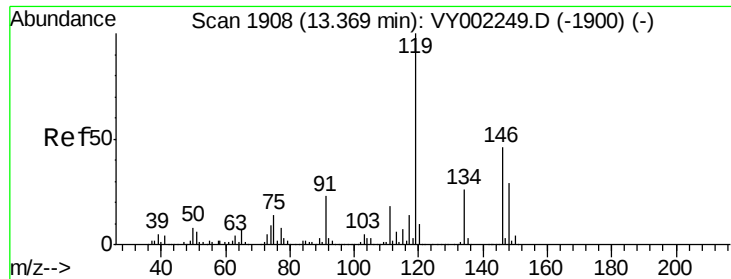


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





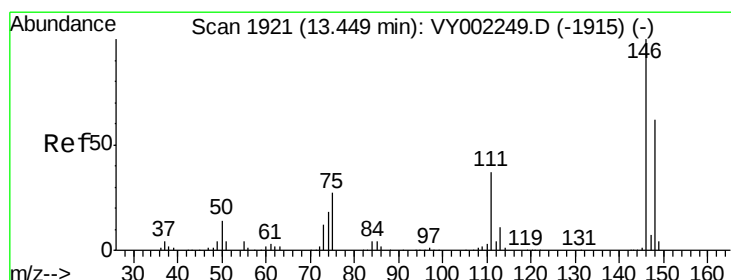
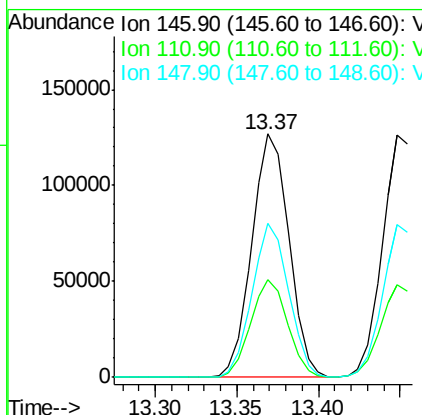
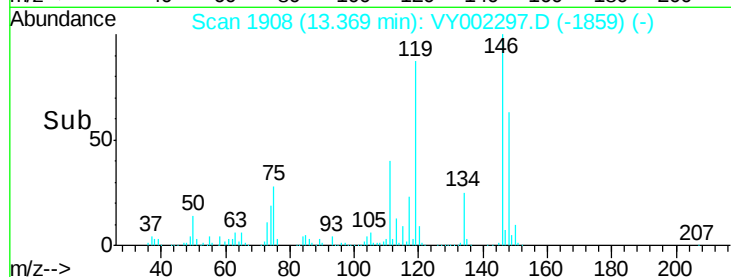
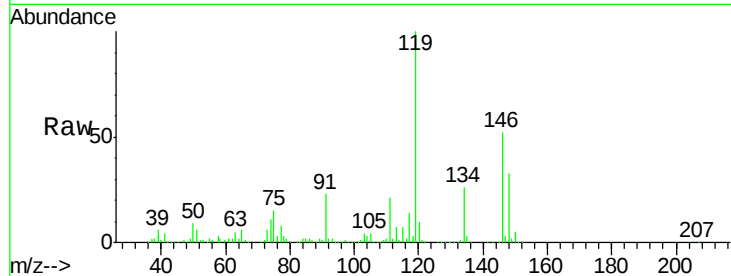
#87
 1,3-Dichlorobenzene
 Concen: 53.633 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	62.5	32.1	96.3

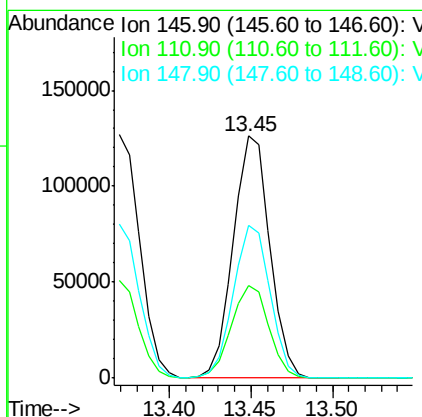
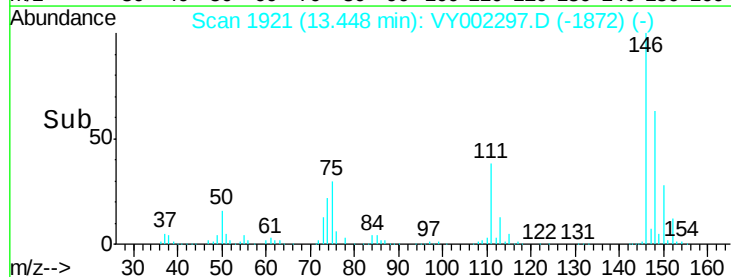
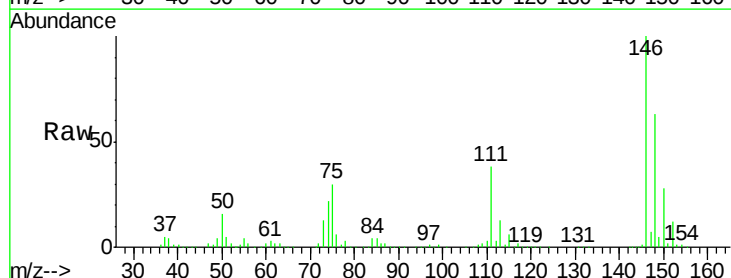
Manual Integrations
 APPROVED

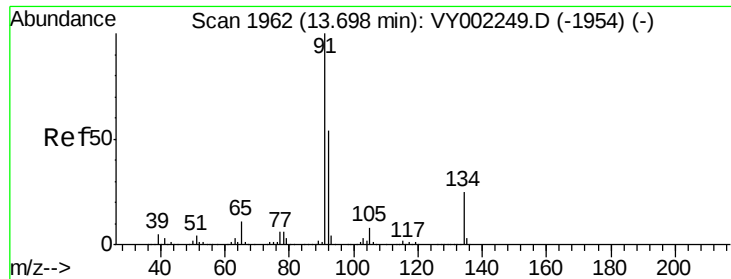
MMDadoda
 4/14/2020 10:02:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.002 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	63.4	32.0	96.0





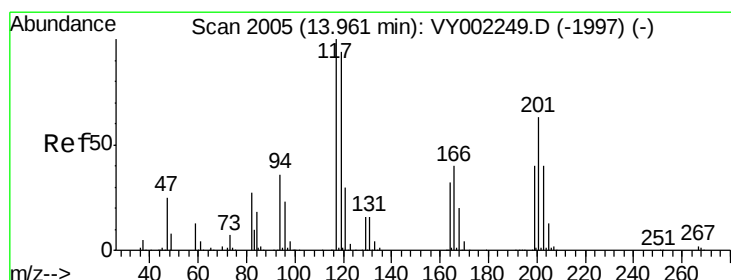
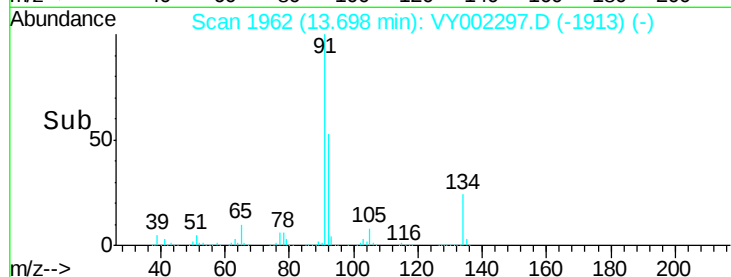
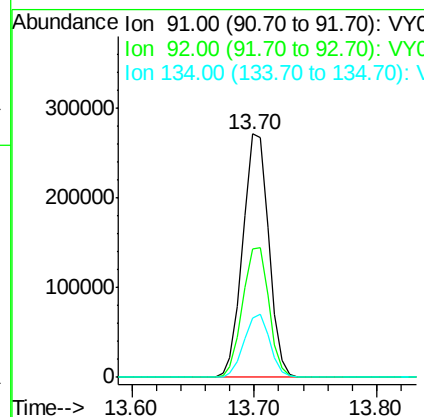
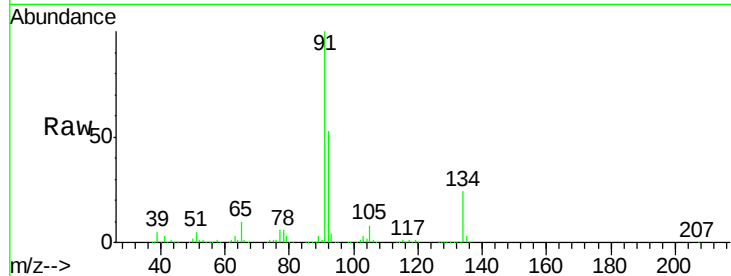
#89
n-Butylbenzene
Concen: 49.784 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.9	27.2	81.6	
134	25.7	12.7	38.0	

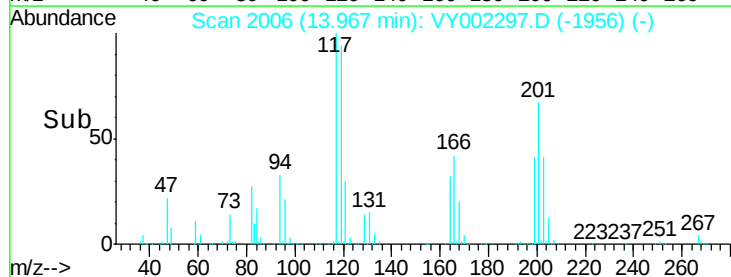
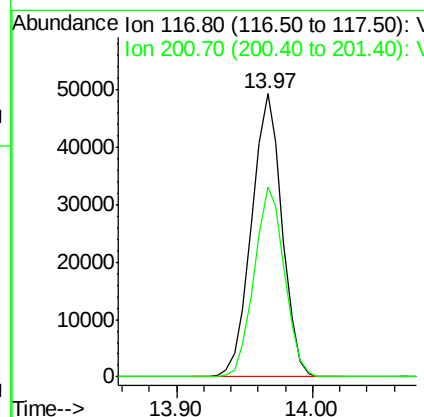
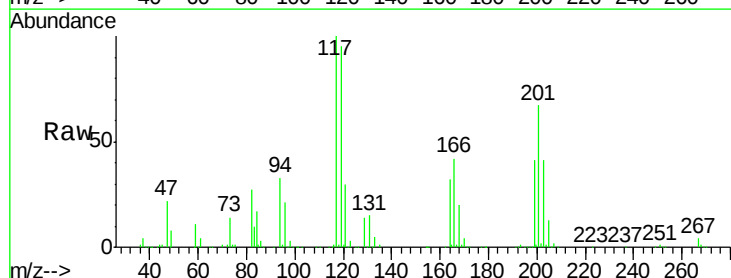
Manual Integrations
APPROVED

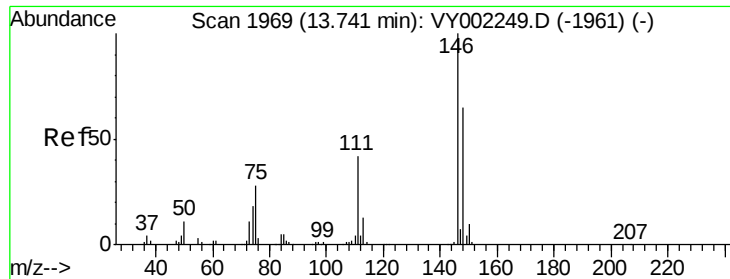
MMDadoda
4/14/2020 10:02:00 AM



#90
Hexachloroethane
Concen: 52.308 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	66.8	33.1	99.2	





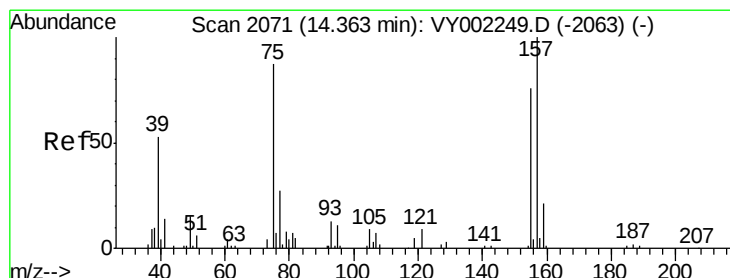
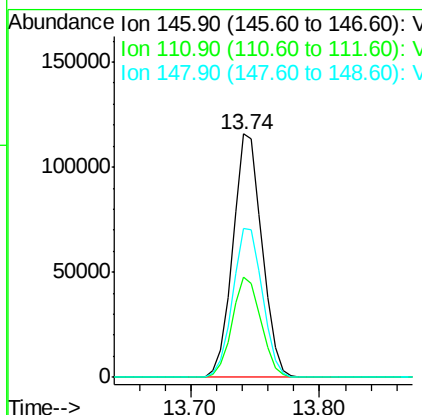
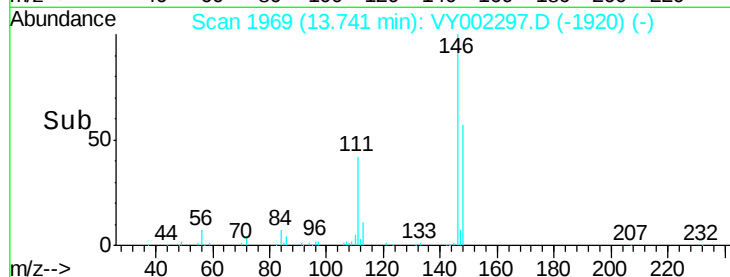
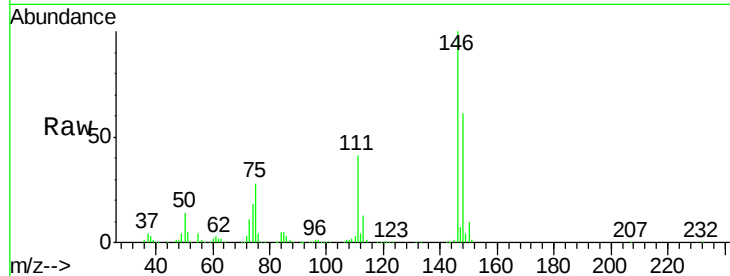
#91
 1,2-Dichlorobenzene
 Concen: 53.521 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.1
148	62.5	31.9	95.9

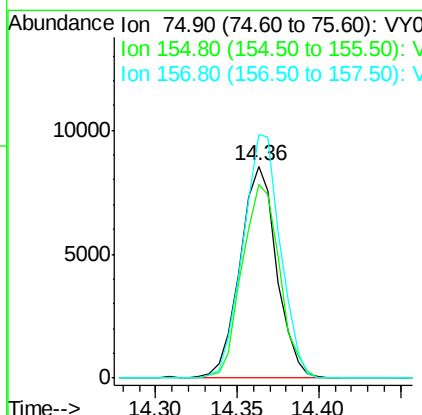
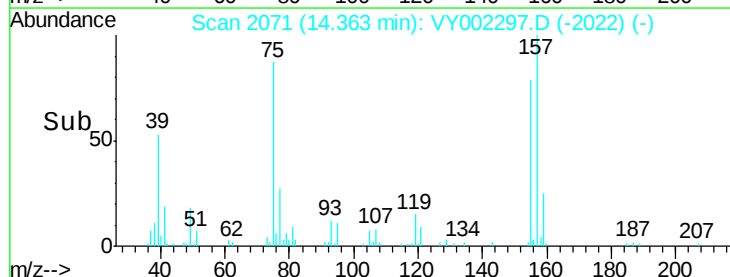
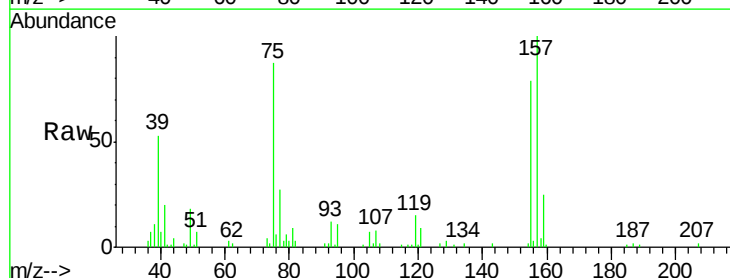
Manual Integrations
 APPROVED

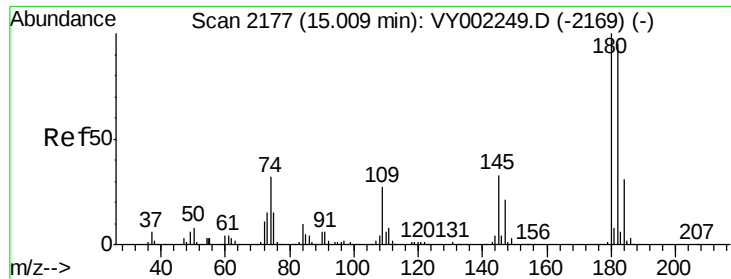
MMDadoda
 4/14/2020 10:02:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.333 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002297.D
 Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	43.6	130.8
157	117.1	56.0	168.2





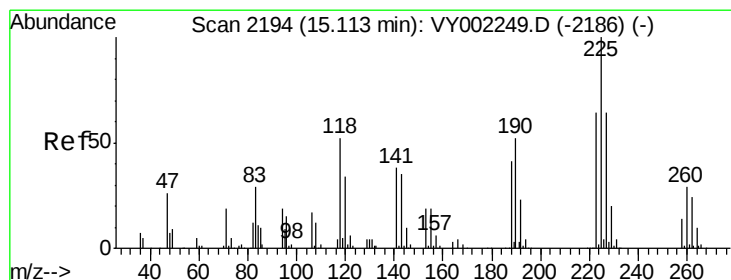
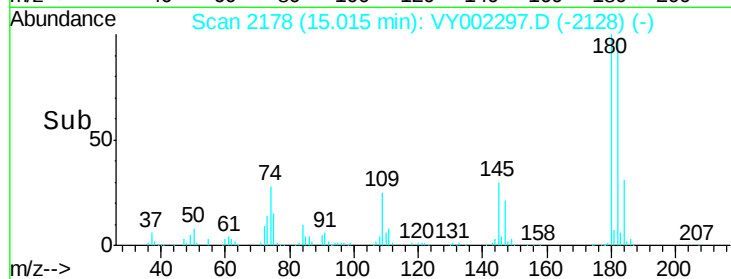
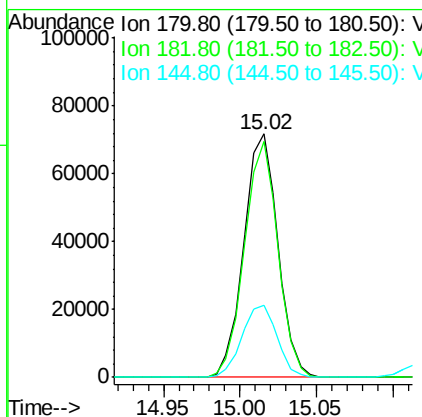
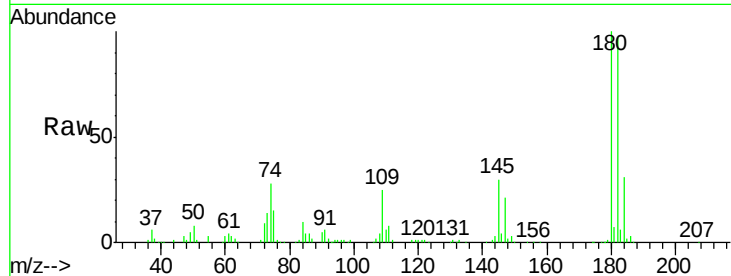
#93
1,2,4-Trichlorobenzene
Concen: 50.037 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.7
145	30.5	16.0	48.0

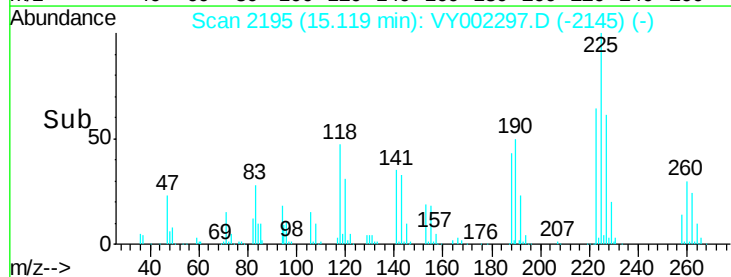
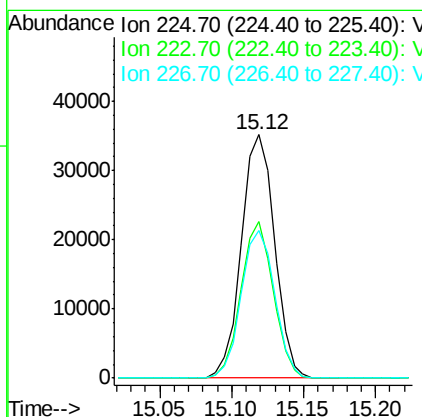
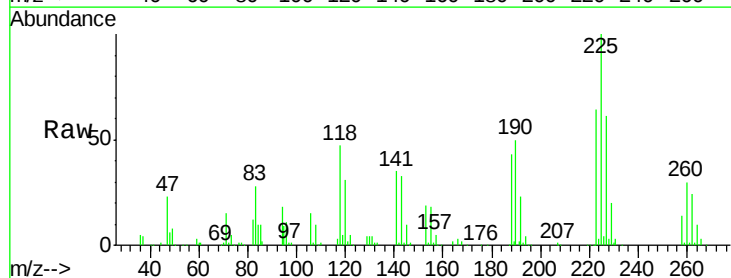
Manual Integrations
APPROVED

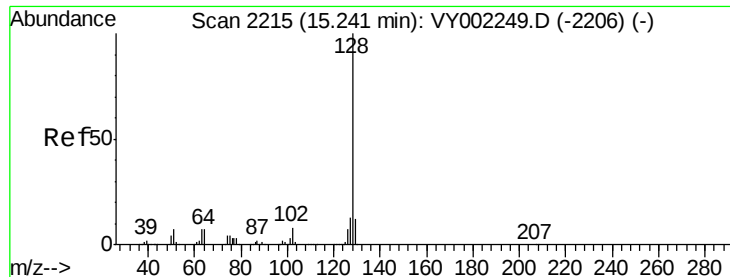
MMDadoda
4/14/2020 10:02:00 AM



#94
Hexachlorobutadiene
Concen: 50.255 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.01 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.0	93.0
227	61.2	31.3	93.9





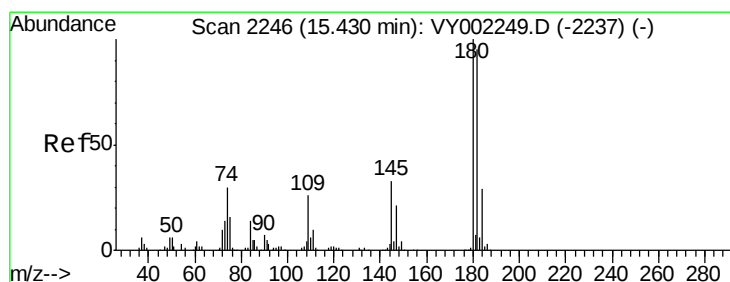
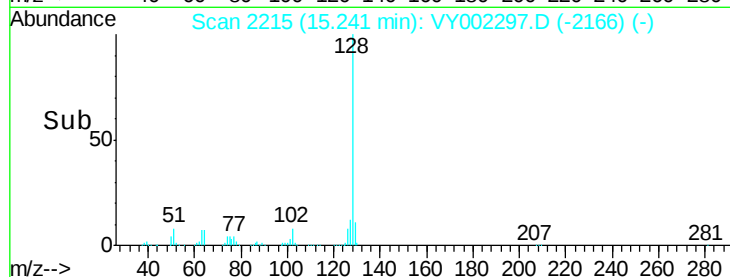
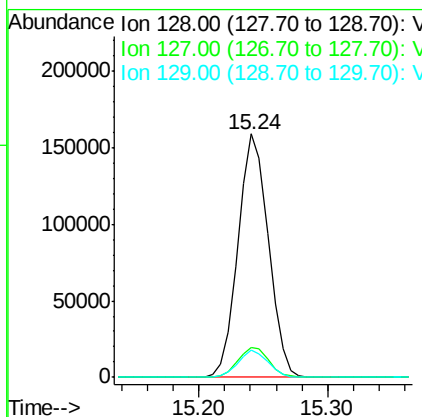
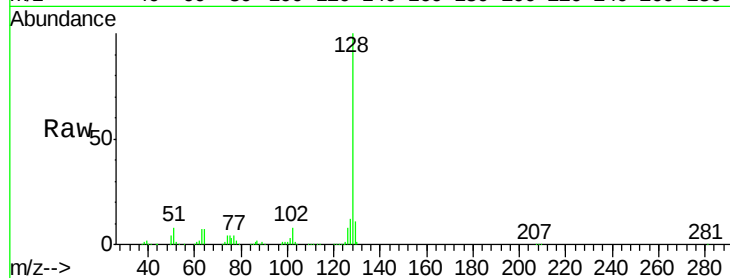
#95
Naphthalene
Concen: 53.381 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	259469		
127	12.5		10.1	15.1
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:02:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.089 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY002297.D
Acq: 13 Apr 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96553		
182	94.1		47.1	141.3
145	33.4		16.7	50.1

