

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001689.D
 Acq On : 19 Feb 2020 10:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/20/2020 5:55:56 PM

Quant Time: Feb 19 13:48:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	174966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	310219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	274312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	129211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	92760	49.29	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.74	113	85699	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
50) Toluene-d8	10.19	98	359531	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.49	95	126696	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	88315	51.782	ug/l	98
3) Chloromethane	2.12	50	111067	48.417	ug/l	99
4) Vinyl Chloride	2.26	62	113049	48.859	ug/l	96
5) Bromomethane	2.66	94	71186	49.227	ug/l	99
6) Chloroethane	2.80	64	69777	48.939	ug/l	100
7) Trichlorofluoromethane	3.14	101	145469	49.123	ug/l	100
8) Diethyl Ether	3.54	74	53758	46.049	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	90921	48.848	ug/l	99
10) Methyl Iodide	4.11	142	110358	48.445	ug/l	100
11) Tert butyl alcohol	4.97	59	49108	222.446	ug/l	100
12) 1,1-Dichloroethene	3.89	96	91082	47.978	ug/l	99
13) Acrolein	3.75	56	60079	316.082	ug/l	99
14) Allyl chloride	4.50	41	160469	47.495	ug/l	97
15) Acrylonitrile	5.19	53	146547	244.903	ug/l	99
16) Acetone	3.96	43	168543	258.820	ug/l	97
17) Carbon Disulfide	4.21	76	301671	47.597	ug/l	99
18) Methyl Acetate	4.50	43	64781	45.680	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	244533	46.264	ug/l	96
20) Methylene Chloride	4.74	84	100786	43.573	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	102136	47.155	ug/l	99
22) Diisopropyl ether	6.14	45	326823	47.103	ug/l	96
23) Vinyl Acetate	6.08	43	1093994	241.720	ug/l	98
24) 1,1-Dichloroethane	6.05	63	175410	47.301	ug/l	99
25) 2-Butanone	7.01	43	222893	251.963	ug/l	98
26) 2,2-Dichloropropane	7.00	77	151881	47.074	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	112736	47.154	ug/l	99
28) Bromochloromethane	7.36	49	85428	55.301	ug/l	99
29) Tetrahydrofuran	7.37	42	128376	240.096	ug/l	98
30) Chloroform	7.53	83	169272	46.715	ug/l	100
31) Cyclohexane	7.80	56	179694	45.447	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	146181	48.000	ug/l	100
36) 1,1-Dichloropropene	7.94	75	142531	48.100	ug/l	99
37) Ethyl Acetate	7.10	43	85221	48.186	ug/l	98
38) Carbon Tetrachloride	7.92	117	124961	48.011	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001689.D
 Acq On : 19 Feb 2020 10:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/20/2020 5:55:56 PM

Quant Time: Feb 19 13:48:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	186362	47.406	ug/l	98
40) Benzene	8.17	78	421297	48.342	ug/l	99
41) Methacrylonitrile	7.34	41	50772m	57.174	ug/l	
42) 1,2-Dichloroethane	8.25	62	113288	47.716	ug/l	100
43) Isopropyl Acetate	8.29	43	163422	48.700	ug/l	99
44) Trichloroethene	8.96	130	105227	48.369	ug/l	99
45) 1,2-Dichloropropane	9.23	63	105421	48.302	ug/l	99
46) Dibromomethane	9.32	93	54610	47.838	ug/l	98
47) Bromodichloromethane	9.51	83	131234	47.633	ug/l	100
48) Methyl methacrylate	9.30	41	73189	48.226	ug/l	98
49) 1,4-Dioxane	9.32	88	15344	951.661	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	422853	245.260	ug/l	98
52) Toluene	10.25	92	260879	47.990	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	145955	47.920	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	167441	47.765	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	79472	47.213	ug/l	94
56) Ethyl methacrylate	10.52	69	120072	47.549	ug/l	96
57) 1,3-Dichloropropane	10.80	76	143894	48.111	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	232266	244.125	ug/l	100
59) 2-Hexanone	10.85	43	328673	254.073	ug/l	98
60) Dibromochloromethane	11.00	129	89143	48.034	ug/l	99
61) 1,2-Dibromoethane	11.10	107	77591	48.751	ug/l	98
64) Tetrachloroethene	10.73	164	82220	47.746	ug/l	99
65) Chlorobenzene	11.53	112	265787	48.531	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	90527	49.002	ug/l	100
67) Ethyl Benzene	11.61	91	497658	48.966	ug/l	99
68) m/p-Xylenes	11.71	106	372601	98.145	ug/l	98
69) o-Xylene	12.04	106	174755	48.418	ug/l	98
70) Styrene	12.06	104	309065	49.272	ug/l	99
71) Bromoform	12.22	173	52085	49.334	ug/l #	98
73) Isopropylbenzene	12.34	105	469335	47.679	ug/l	100
74) N-amyl acetate	12.16	43	151746	48.304	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	102434	48.736	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	72844m	49.145	ug/l	
77) Bromobenzene	12.62	156	102539	48.053	ug/l	95
78) n-propylbenzene	12.68	91	582740	48.608	ug/l	100
79) 2-Chlorotoluene	12.77	91	319874	47.572	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	392582	48.179	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	38957	49.863	ug/l	96
82) 4-Chlorotoluene	12.87	91	340867	48.066	ug/l	99
83) tert-Butylbenzene	13.09	119	335605	49.245	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	392418	48.306	ug/l	100
85) sec-Butylbenzene	13.27	105	484474	48.336	ug/l	100
86) p-Isopropyltoluene	13.38	119	420607	48.305	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	198711	48.016	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	199828	47.768	ug/l	99
89) n-Butylbenzene	13.71	91	428325	48.141	ug/l	99
90) Hexachloroethane	13.97	117	78821	48.046	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	181030	47.400	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	16749	48.286	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
Data File : VY001689.D
Acq On : 19 Feb 2020 10:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM

Quant Time: Feb 19 13:48:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	115551	45.656	ug/l	99
94) Hexachlorobutadiene	15.12	225	56649	45.007	ug/l	99
95) Naphthalene	15.25	128	267798	45.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	100076	44.945	ug/l	99

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

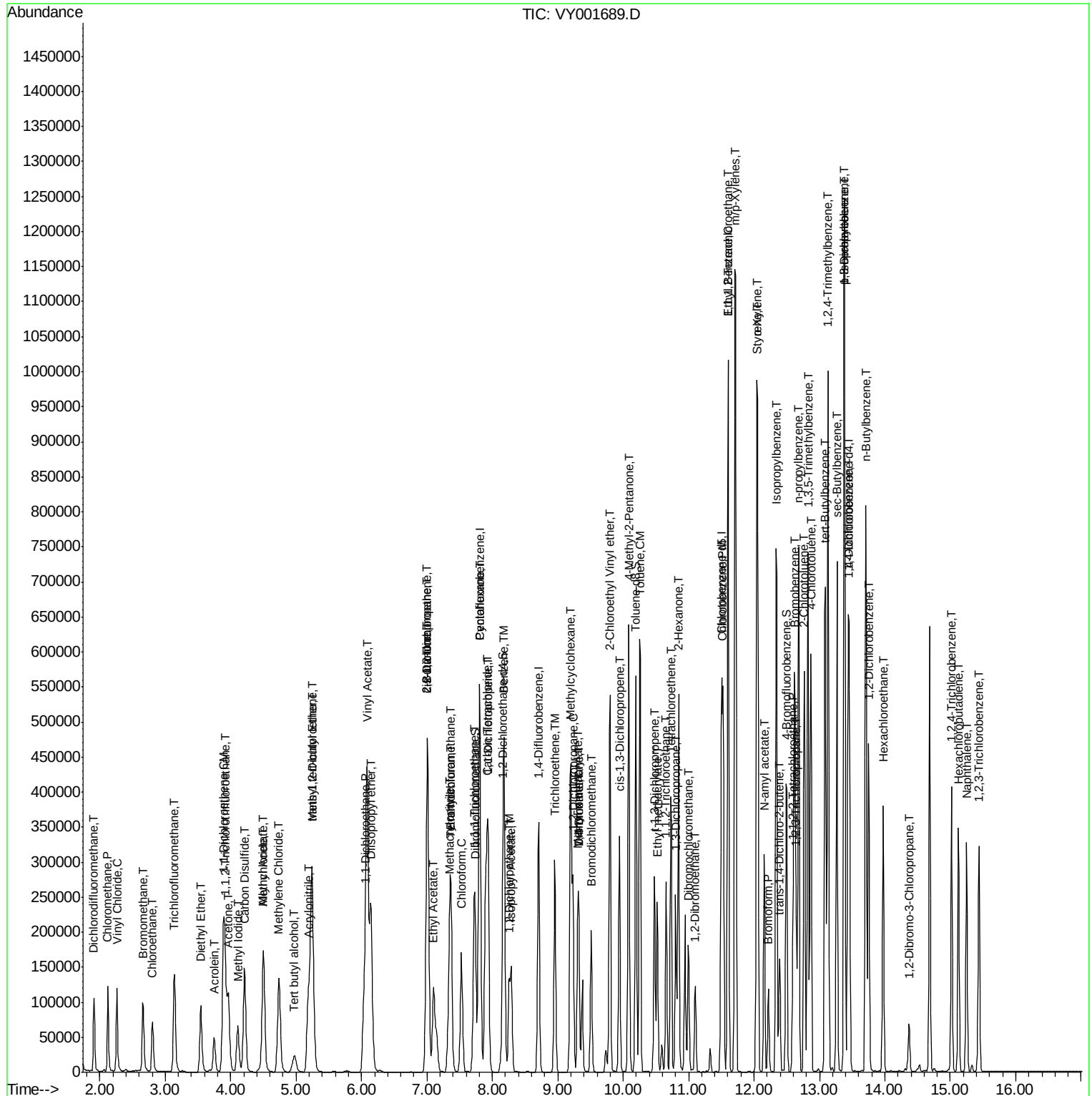
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
Data File : VY001689.D
Acq On : 19 Feb 2020 10:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

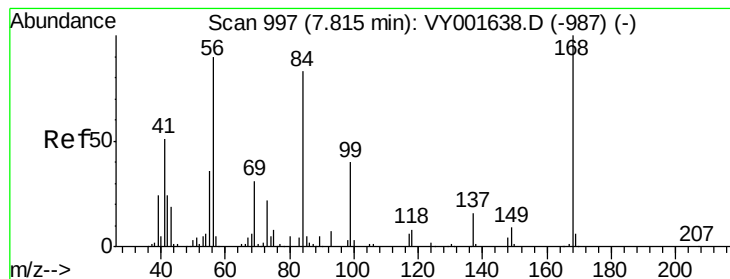
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM

Quant Time: Feb 19 13:48:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 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: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 174966

Ion Ratio Lower Upper

168 100

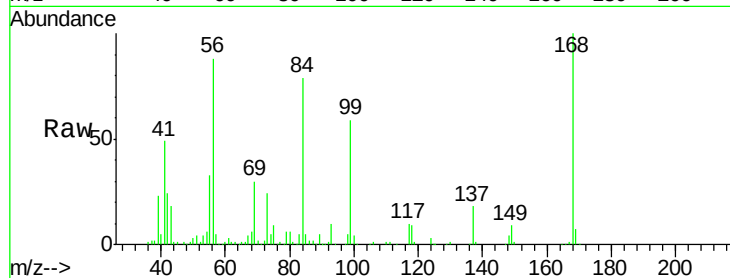
99 58.9 47.5 71.3

Manual Integrations

APPROVED

MMDadoda

2/20/2020 5:55:56 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.81

80000

60000

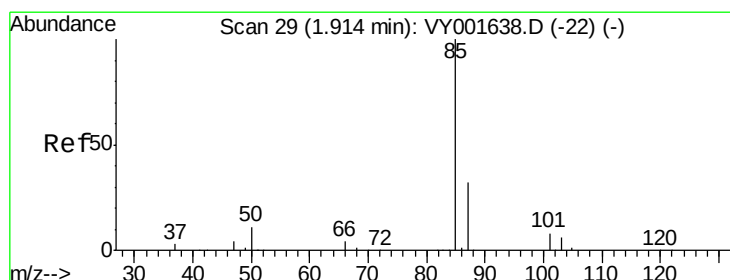
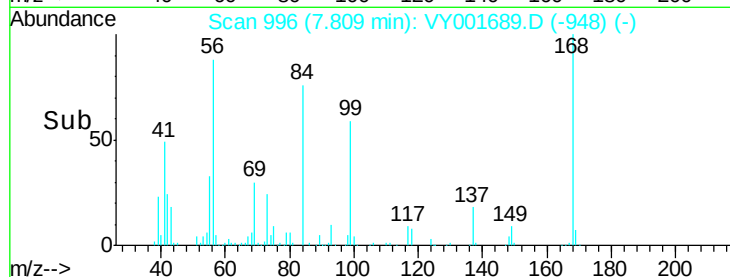
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 51.782 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001689.D

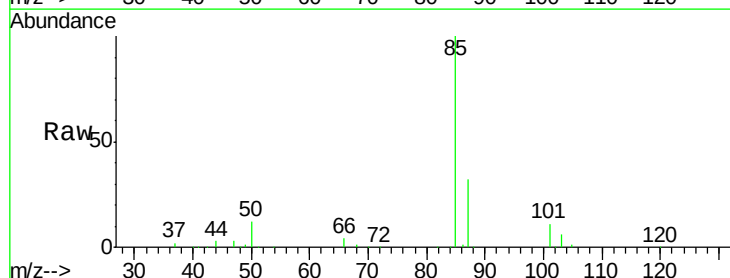
Acq: 19 Feb 2020 10:09

Tgt Ion: 85 Resp: 88315

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001638.D (-22) (-)

1.91

60000

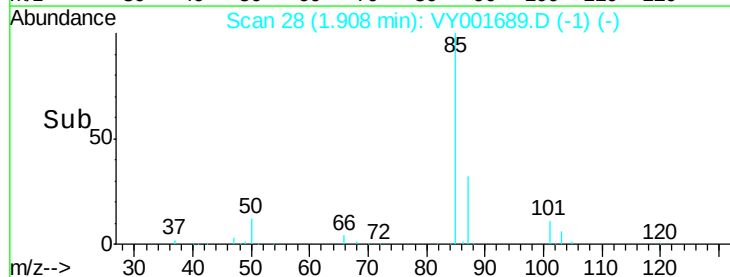
40000

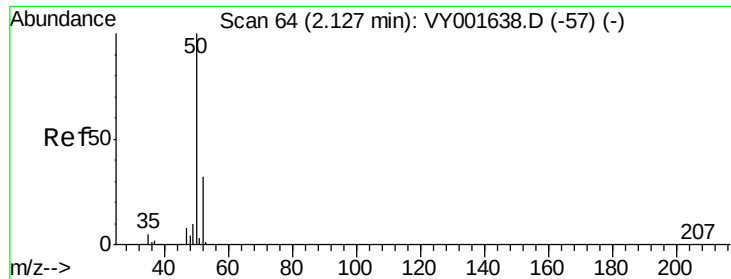
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 48.417 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 111067

Ion Ratio Lower Upper

50 100

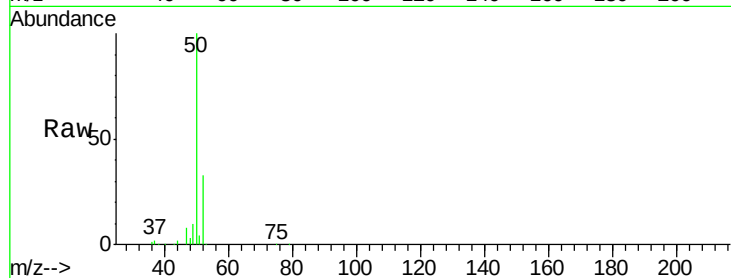
52 33.0 25.8 38.6

Manual Integrations

APPROVED

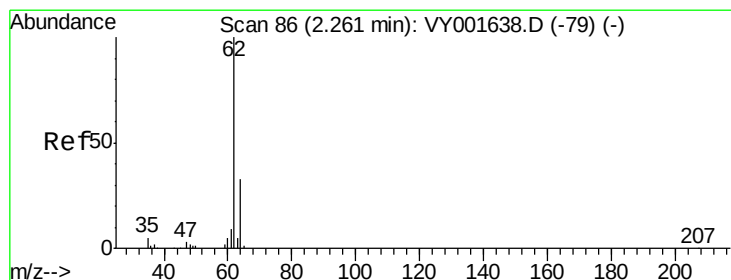
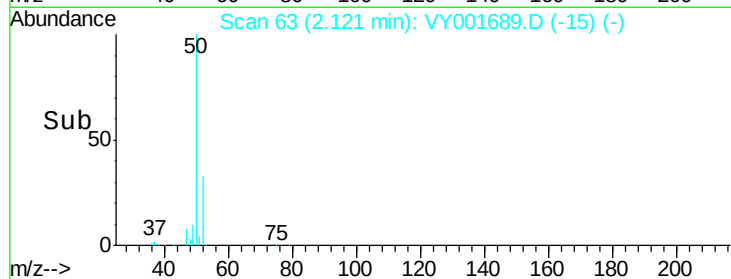
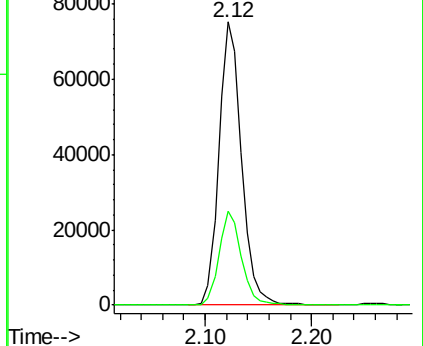
MMDadoda

2/20/2020 5:55:56 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 48.859 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001689.D

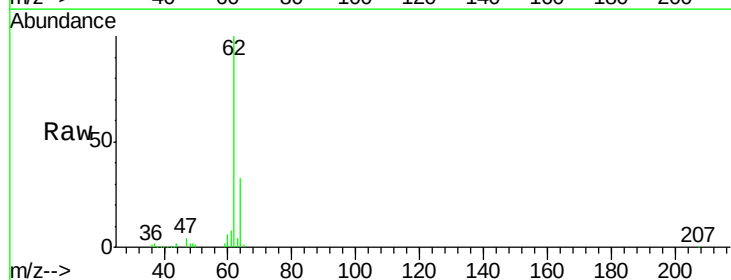
Acq: 19 Feb 2020 10:09

Tgt Ion: 62 Resp: 113049

Ion Ratio Lower Upper

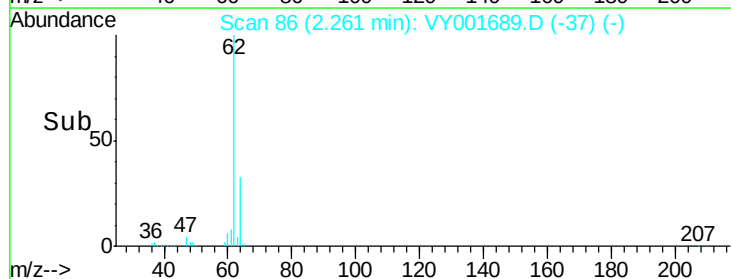
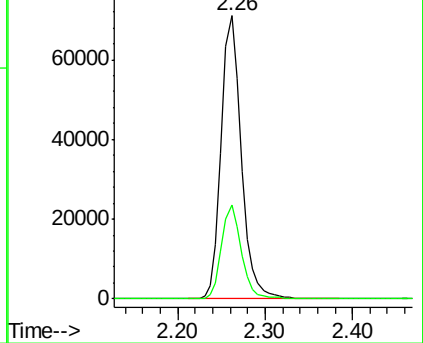
62 100

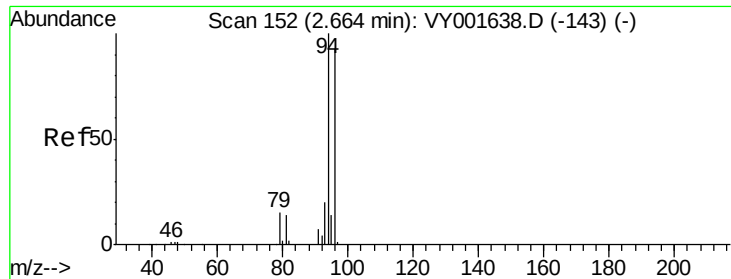
64 33.4 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 49.227 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 71186

Ion Ratio Lower Upper

94 100

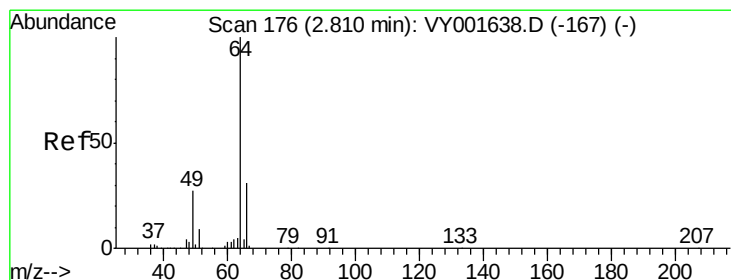
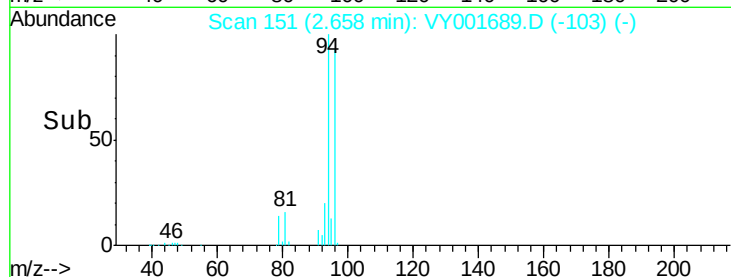
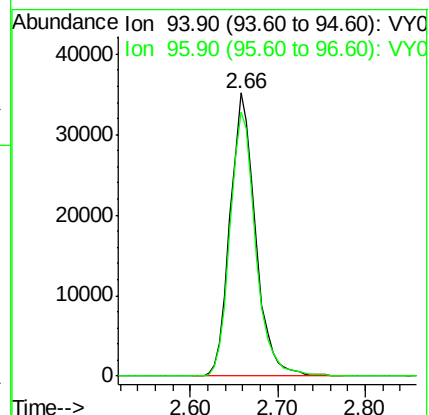
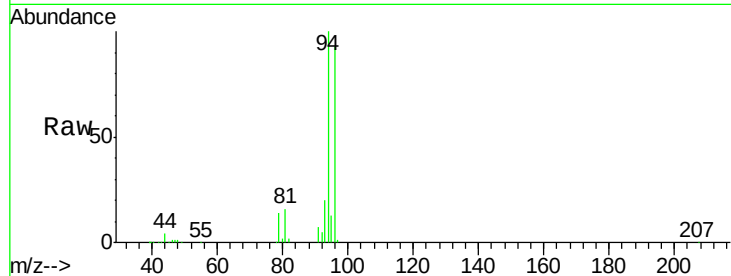
96 93.4 73.7 110.5

Manual Integrations

APPROVED

MMDadoda

2/20/2020 5:55:56 PM



#6

Chloroethane

Concen: 48.939 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001689.D

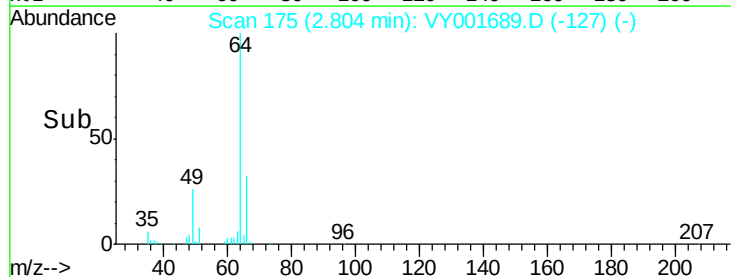
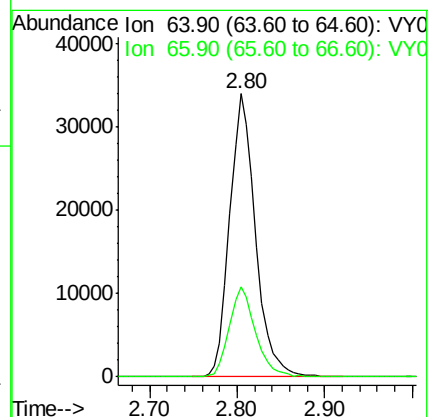
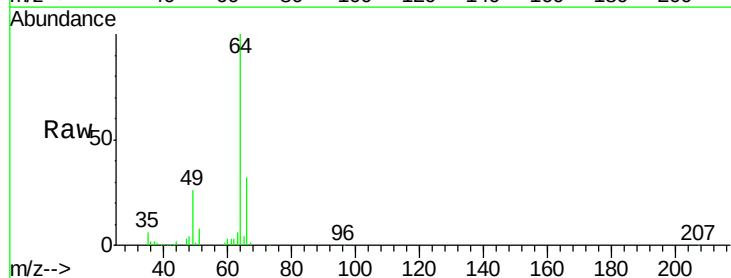
Acq: 19 Feb 2020 10:09

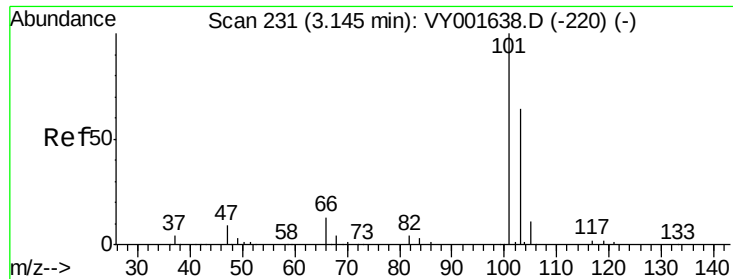
Tgt Ion: 64 Resp: 69777

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

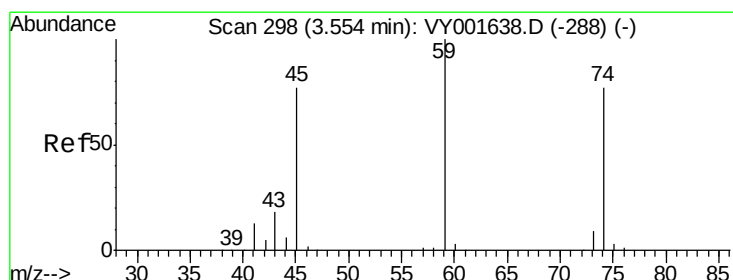
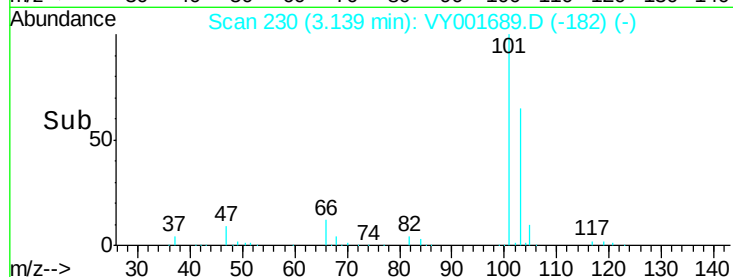
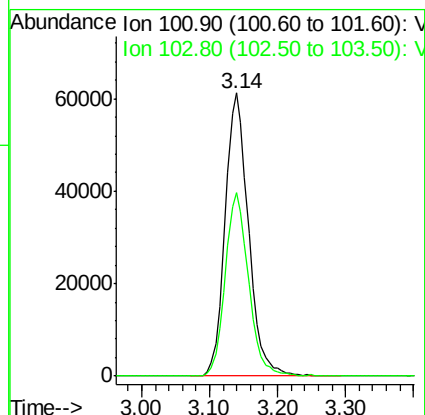
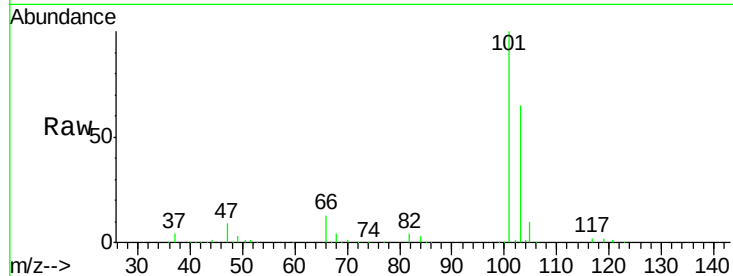
Trichlorofluoromethane
Concen: 49.123 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.2	78.2

Manual Integrations
APPROVED

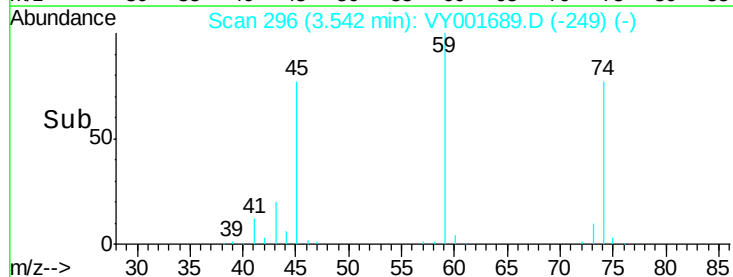
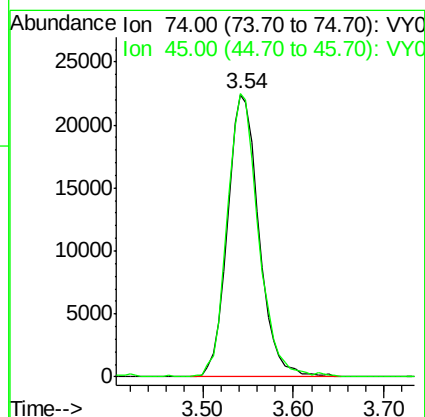
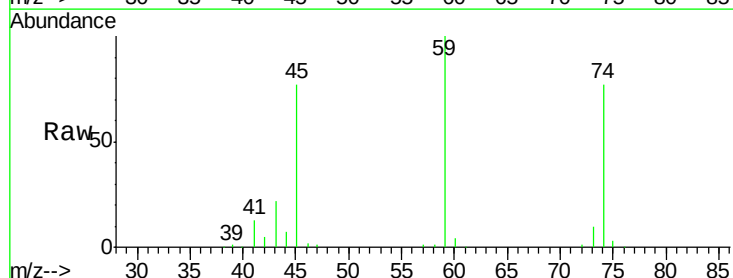
MMDadoda
2/20/2020 5:55:56 PM

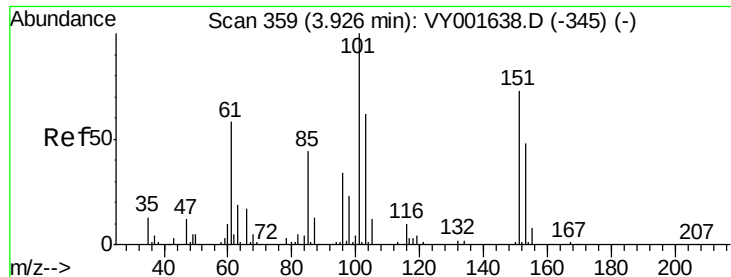


#8

Diethyl Ether
Concen: 46.049 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.848 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

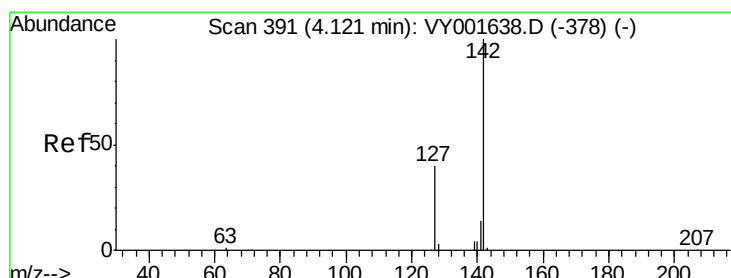
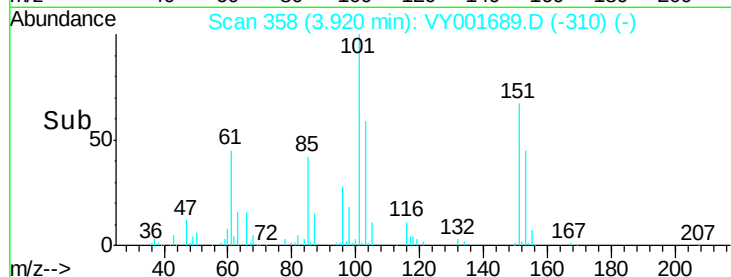
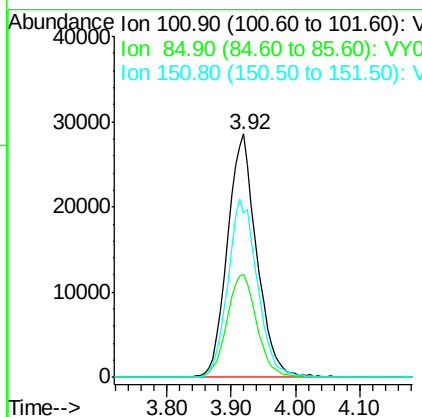
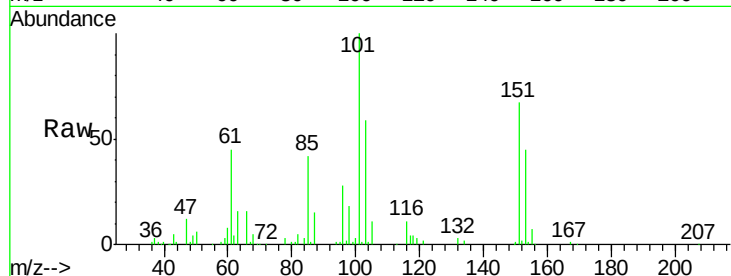
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	90921
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.1	52.7
151	73.6	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM



#10

Methyl Iodide

Concen: 48.445 ug/l

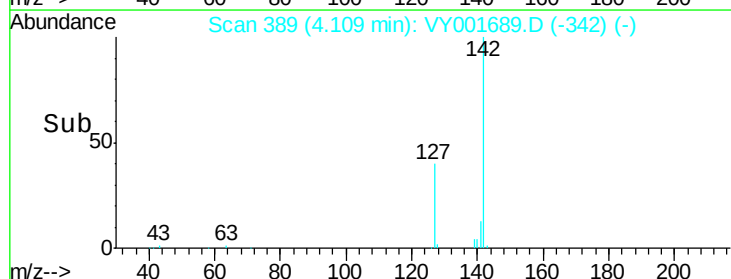
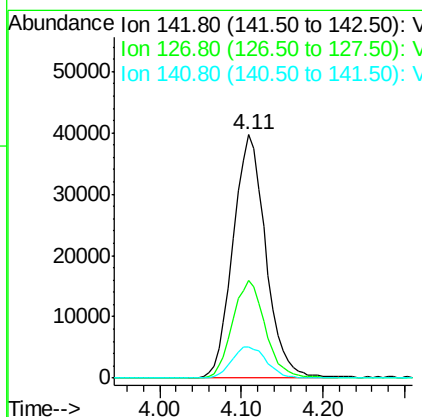
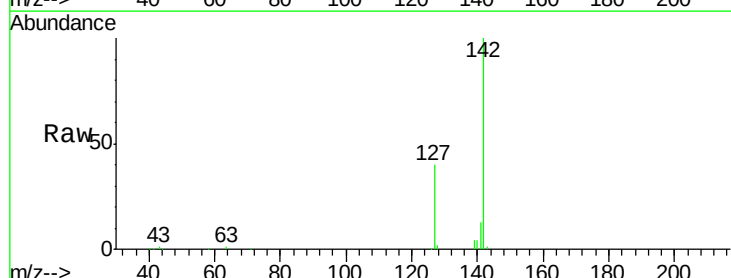
RT: 4.11 min Scan# 389

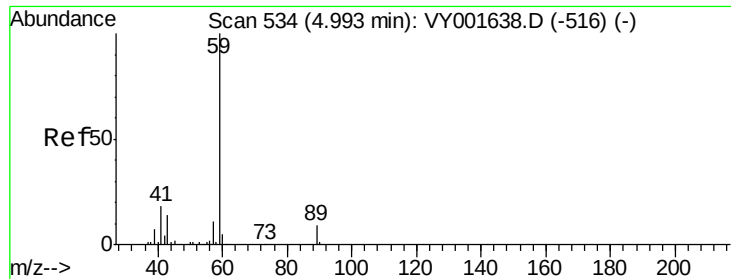
Delta R.T. -0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Tgt Ion:	142	Resp:	110358
Ion Ratio	Lower	Upper	
142	100		
127	40.2	32.1	48.1
141	13.8	11.3	16.9





#11

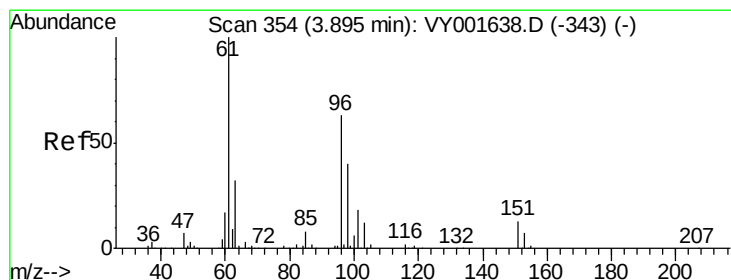
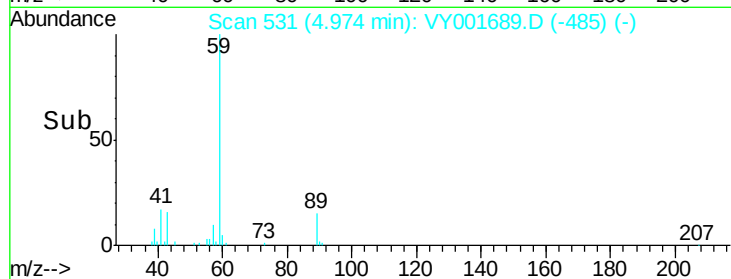
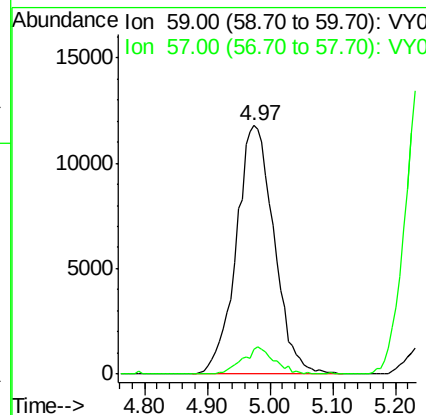
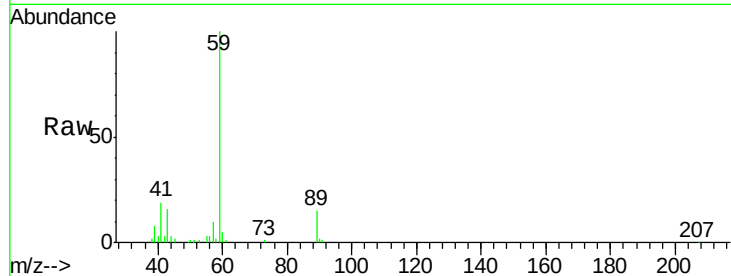
Tert butyl alcohol
Concen: 222.446 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.02 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	49108
Ion Ratio	100	Lower	Upper
57	9.1	7.4	11.2

Manual Integrations
APPROVED

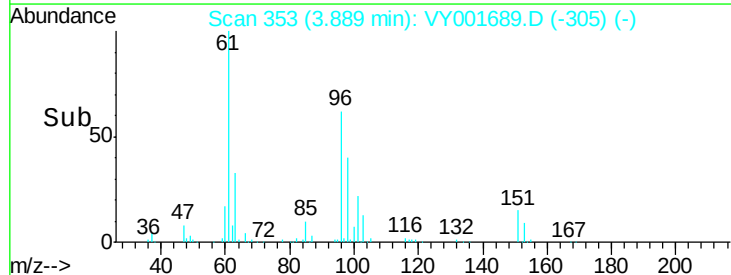
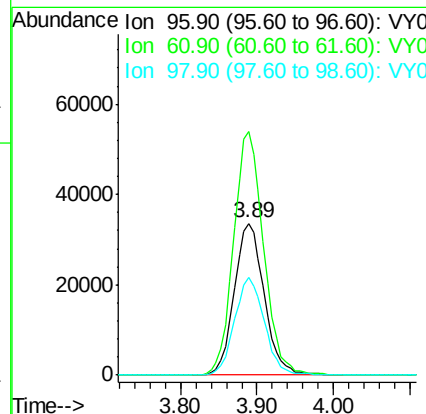
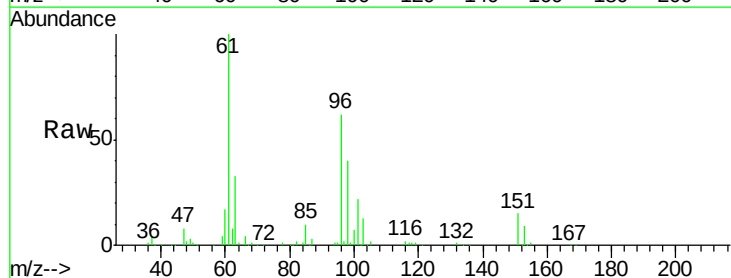
MMDadoda
2/20/2020 5:55:56 PM

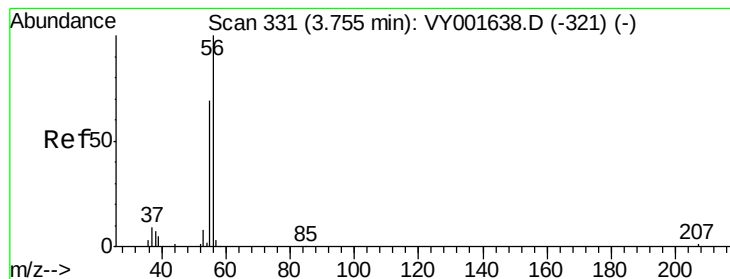


#12

1,1-Dichloroethene
Concen: 47.978 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	96	Resp	91082
Ion Ratio	100	Lower	Upper
61	160.5	128.7	193.1
98	64.5	50.7	76.1





#13

Acrolein

Concen: 316.082 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 60079

Ion Ratio Lower Upper

56 100

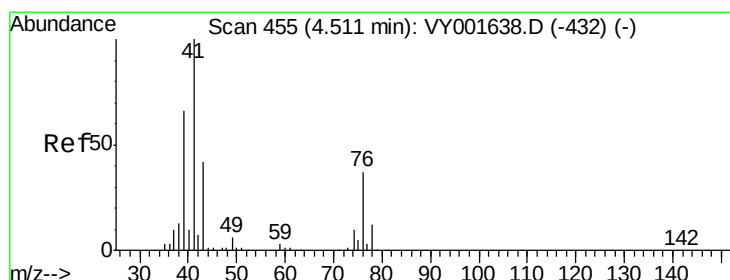
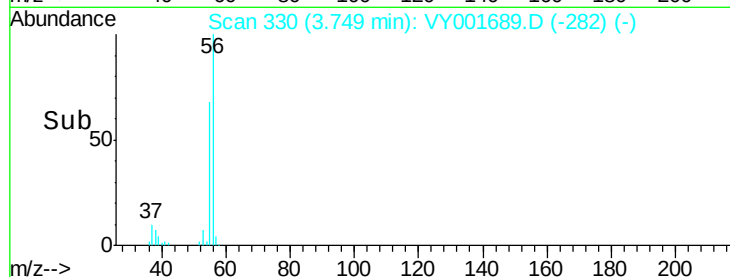
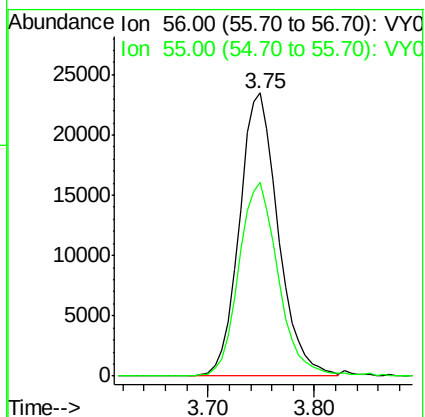
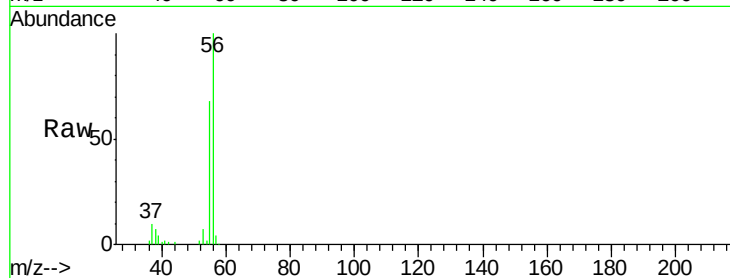
55 69.4 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

2/20/2020 5:55:56 PM



#14

Allyl chloride

Concen: 47.495 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

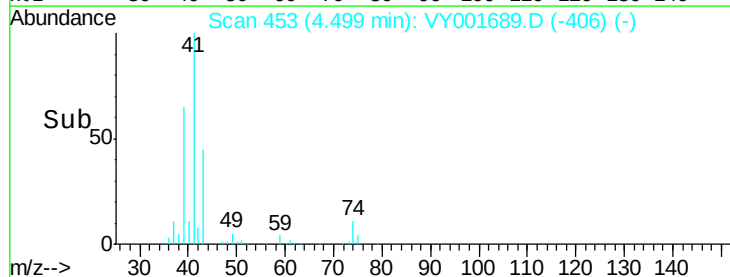
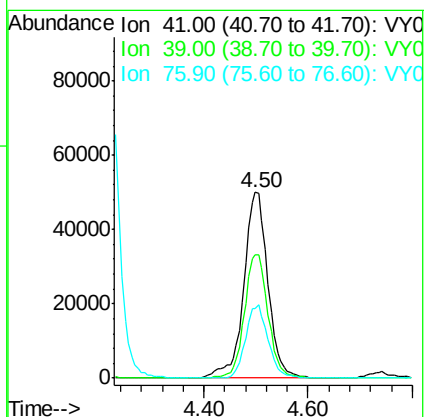
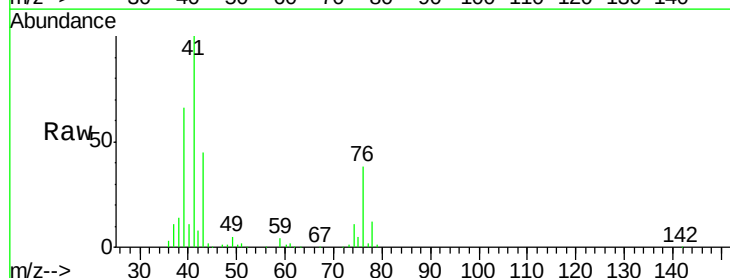
Tgt Ion: 41 Resp: 160469

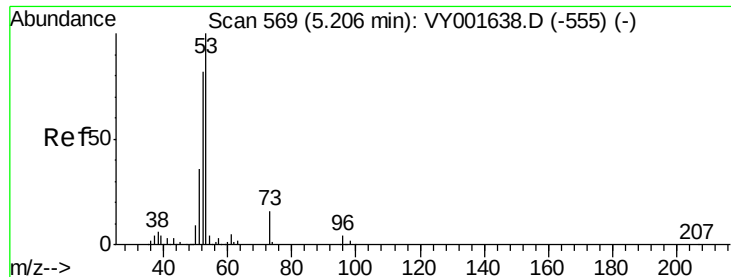
Ion Ratio Lower Upper

41 100

39 65.0 49.4 74.0

76 36.4 29.0 43.6





#15

Acrylonitrile

Concen: 244.903 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.02 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

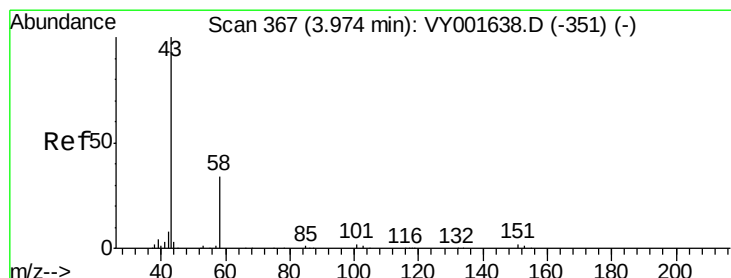
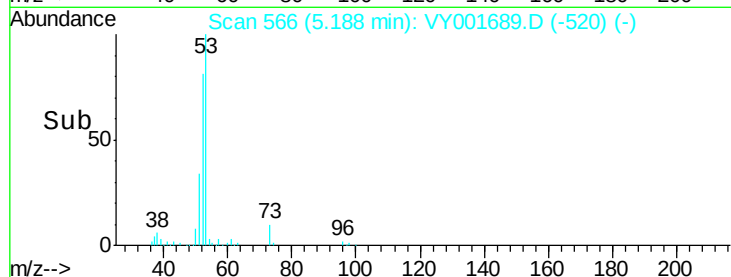
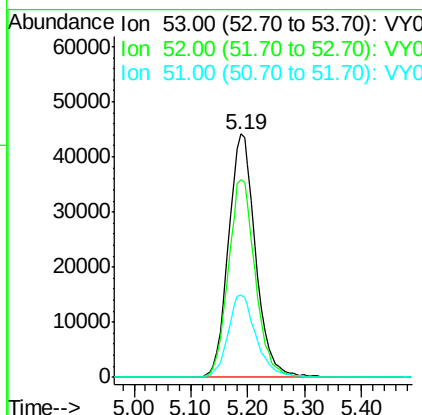
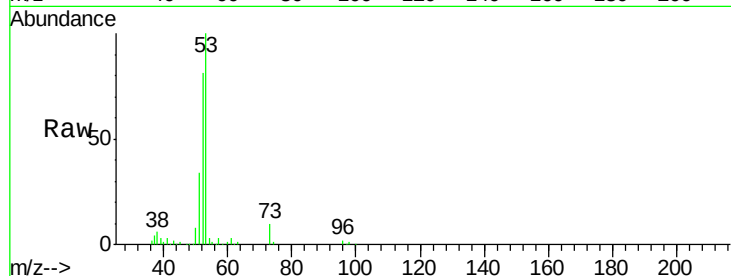
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	146547
Ion Ratio		Lower	Upper
53	100		
52	80.5	65.4	98.0
51	35.0	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM



#16

Acetone

Concen: 258.820 ug/l

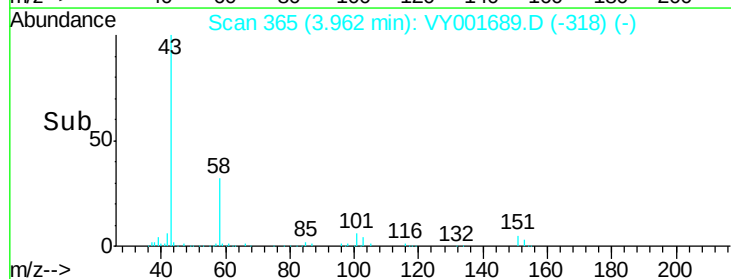
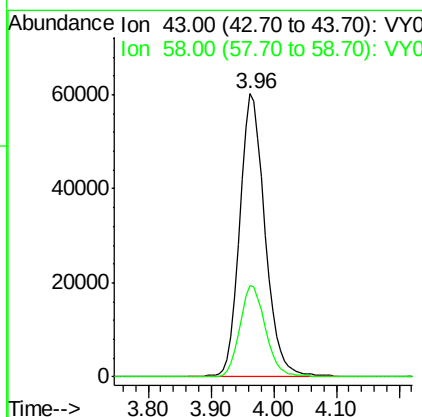
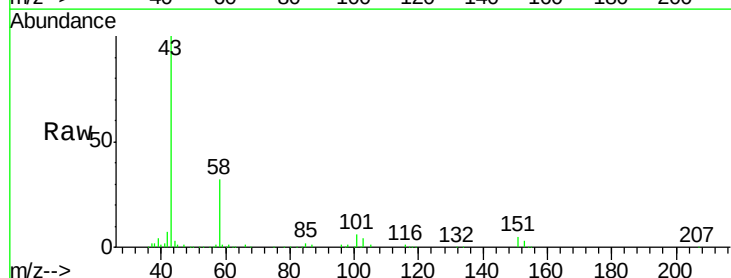
RT: 3.96 min Scan# 365

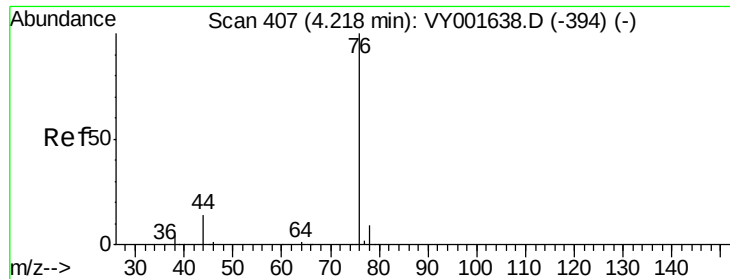
Delta R.T. -0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Tgt Ion:	43	Resp:	168543
Ion Ratio		Lower	Upper
43	100		
58	32.2	27.3	40.9





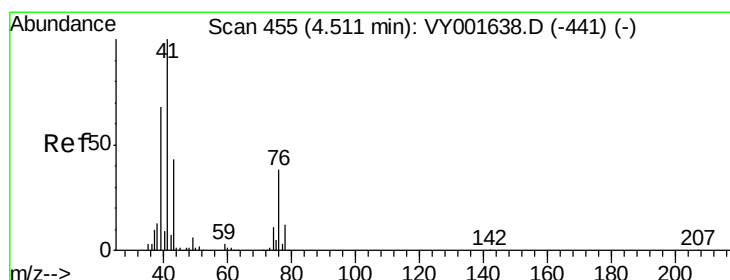
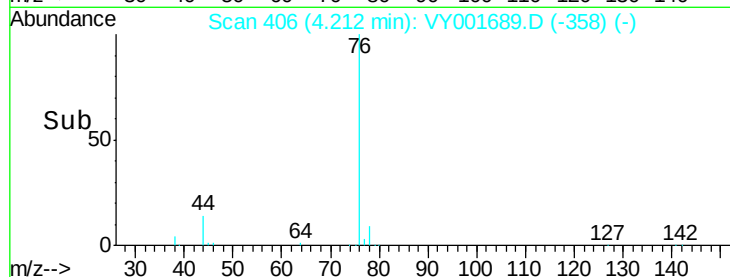
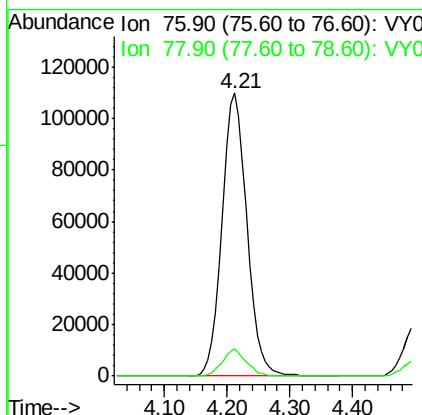
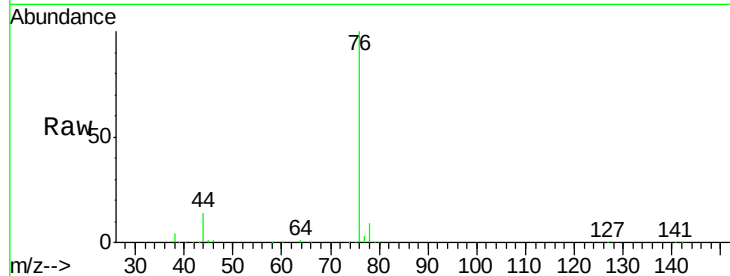
#17
Carbon Disulfide
Concen: 47.597 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

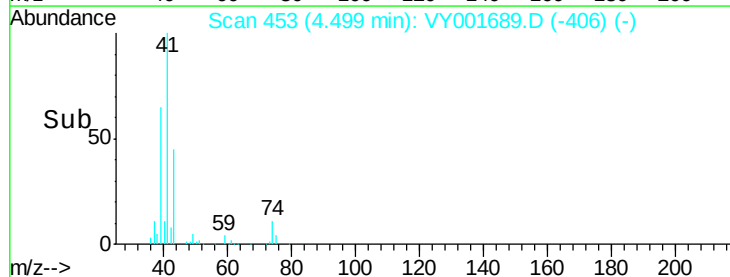
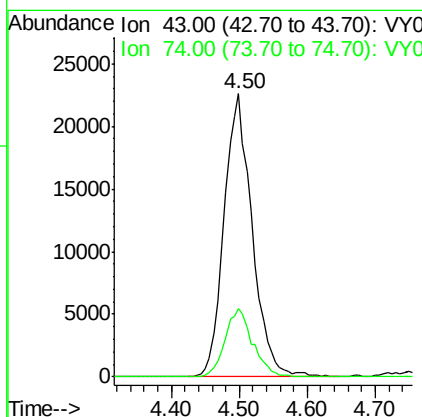
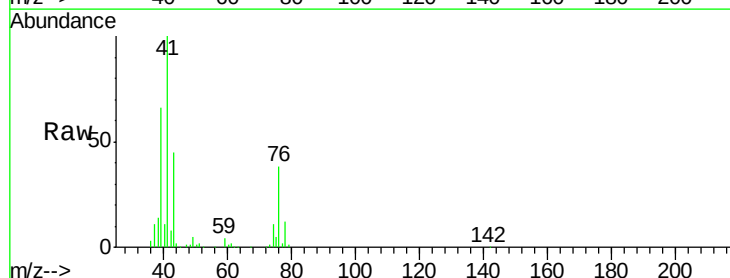
Manual Integrations
APPROVED

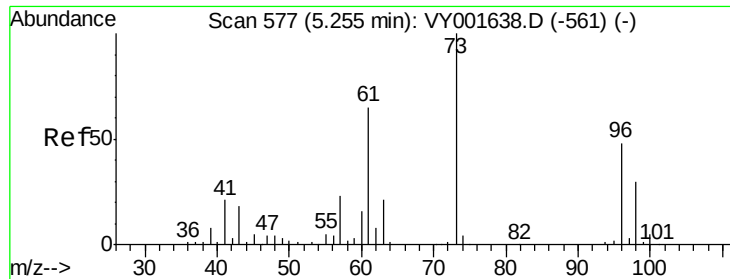
MMDadoda
2/20/2020 5:55:56 PM



#18
Methyl Acetate
Concen: 45.680 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.1	28.7





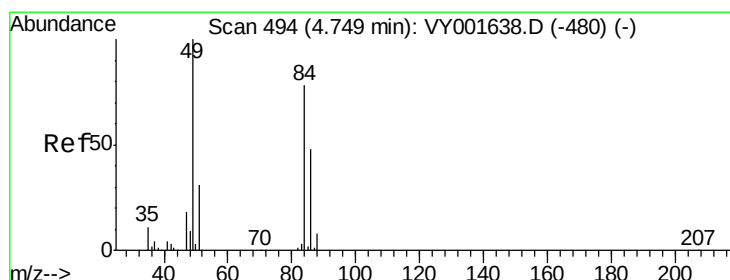
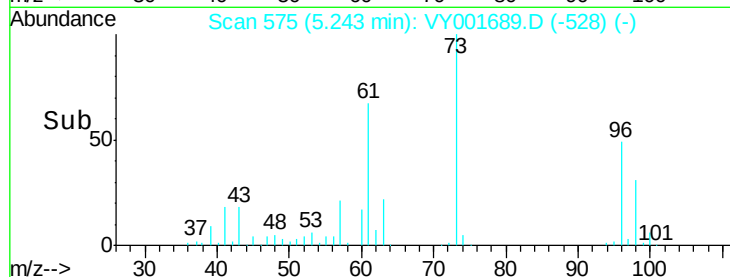
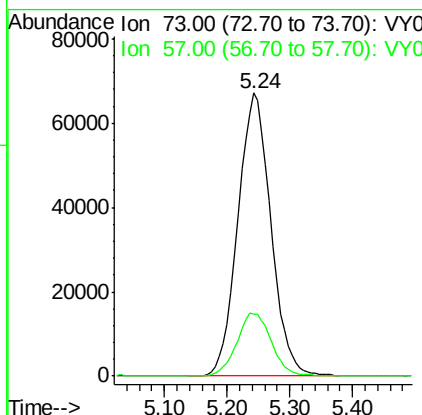
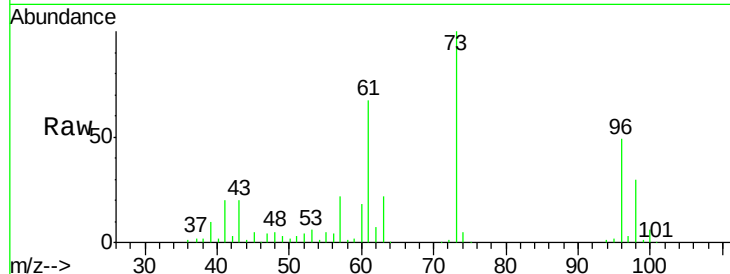
#19
Methyl tert-butyl Ether
Concen: 46.264 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	19.0	28.6

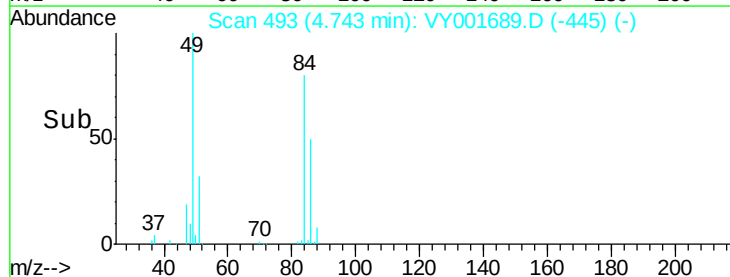
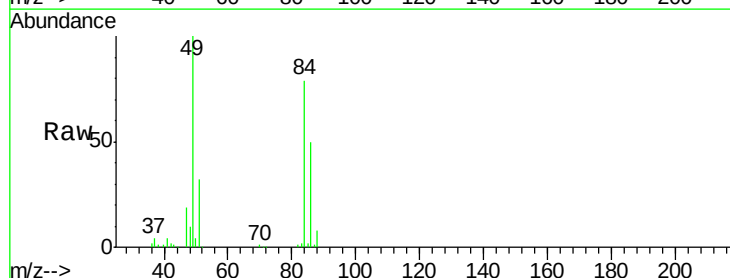
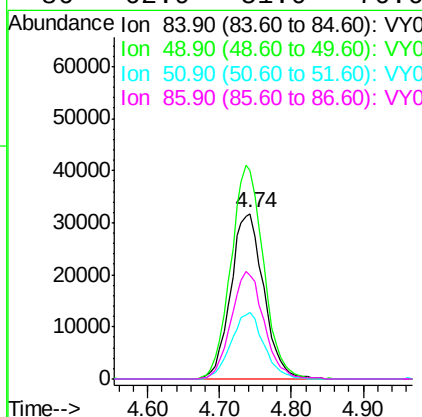
Manual Integrations
APPROVED

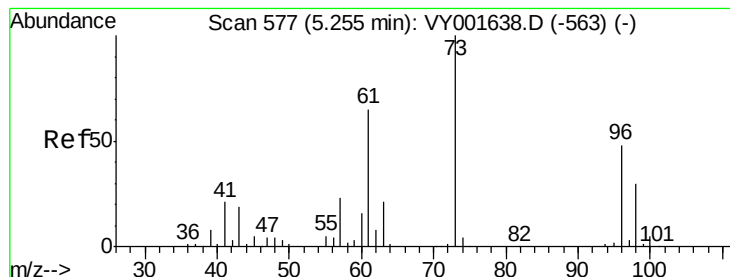
MMDadoda
2/20/2020 5:55:56 PM



#20
Methylene Chloride
Concen: 43.573 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.9	99.2	148.8
51	40.4	31.5	47.3
86	62.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 47.155 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

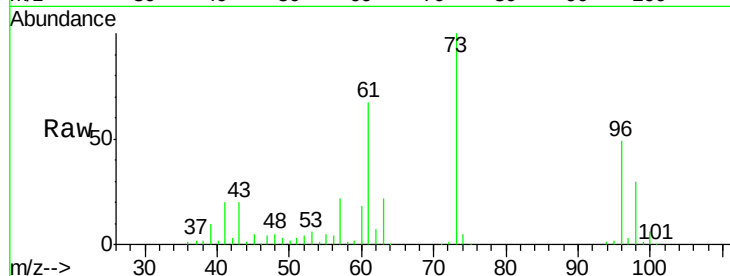
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	102136
Ion	Ratio	Lower	Upper
96	100		
61	136.4	107.9	161.9
98	62.1	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM

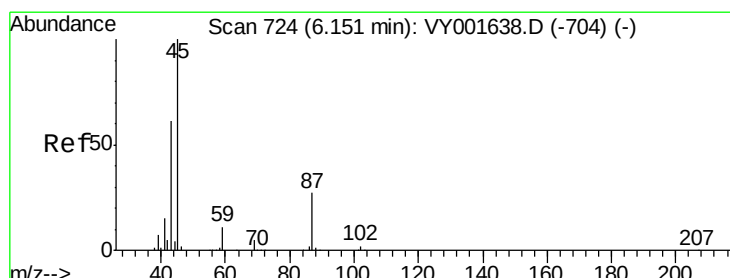
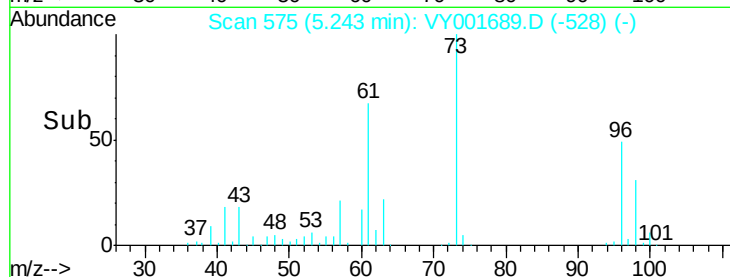
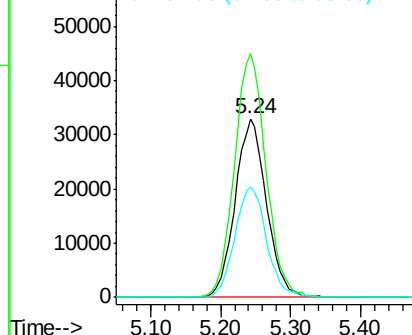


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 47.103 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Tgt Ion:	45	Resp:	326823
Ion	Ratio	Lower	Upper
45	100		
43	61.3	46.4	69.6
87	25.5	22.1	33.1
59	11.4	9.4	14.0

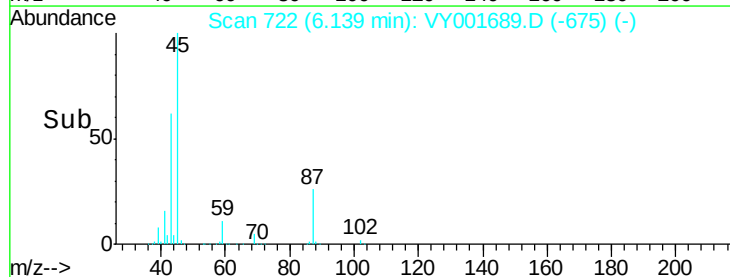
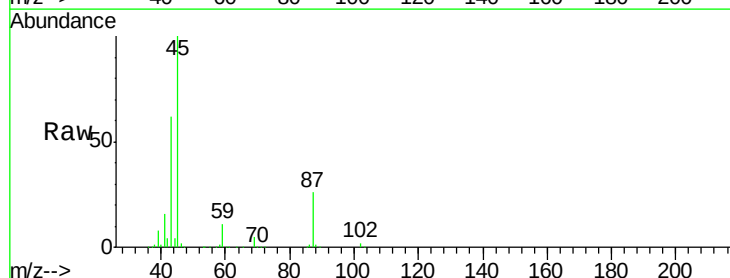
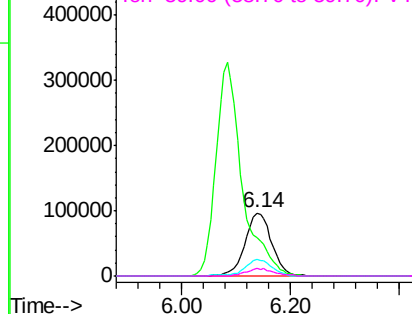
Abundance

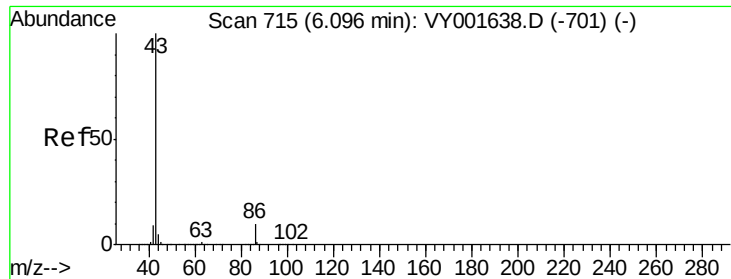
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





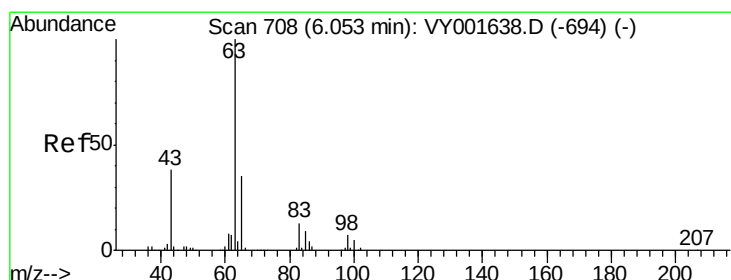
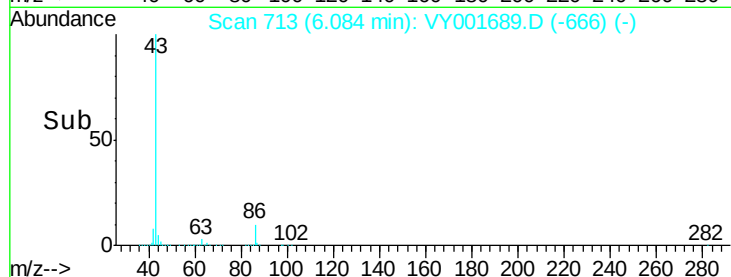
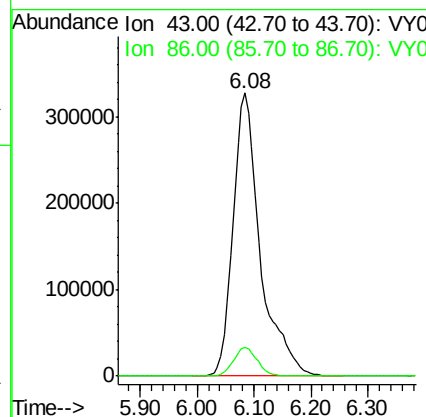
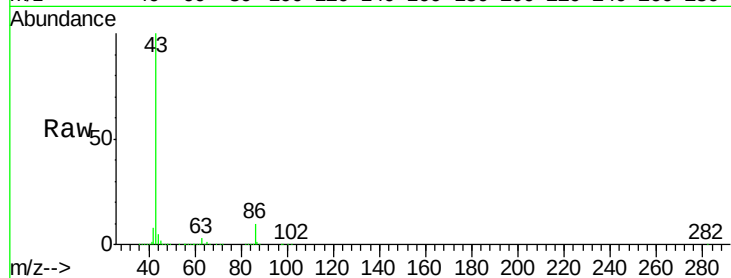
#23
 Vinyl Acetate
 Concen: 241.720 ug/l
 RT: 6.08 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1093994
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.8 13.2

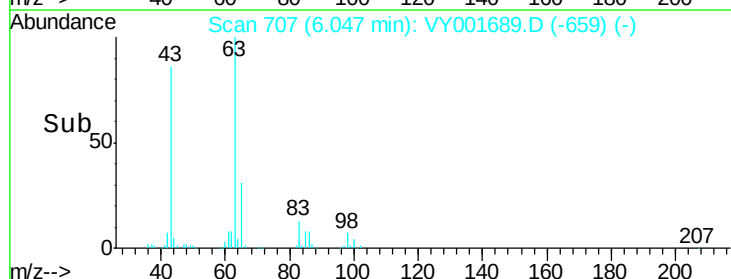
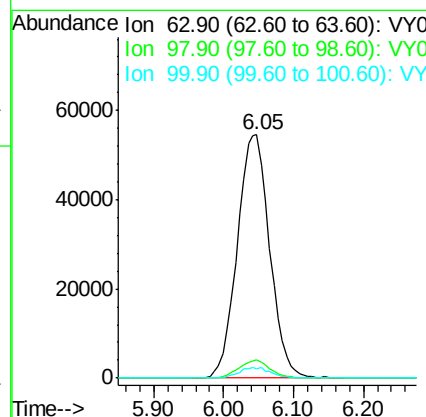
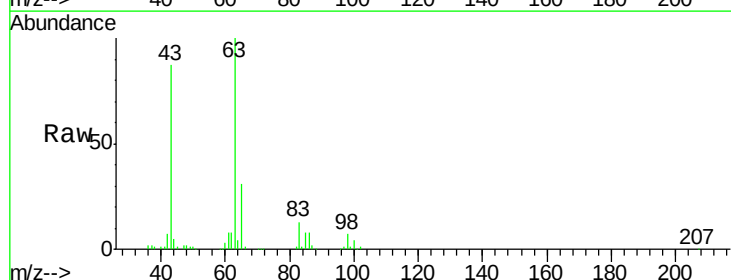
Manual Integrations
 APPROVED

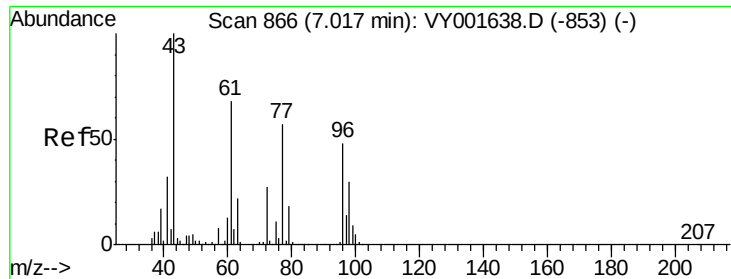
MMDadoda
 2/20/2020 5:55:56 PM



#24
 1,1-Dichloroethane
 Concen: 47.301 ug/l
 RT: 6.05 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Tgt Ion: 63 Resp: 175410
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.4 10.2
 100 4.1 2.3 6.9





#25

2-Butanone

Concen: 251.963 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 222893

Ion Ratio Lower Upper

43 100

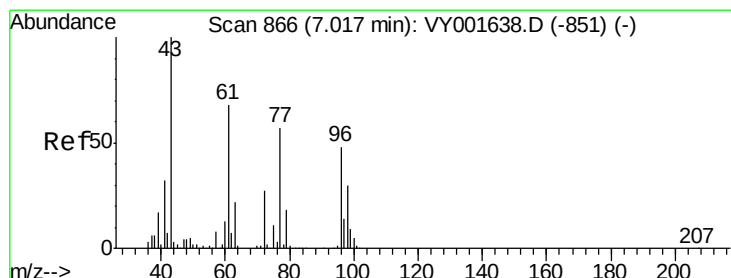
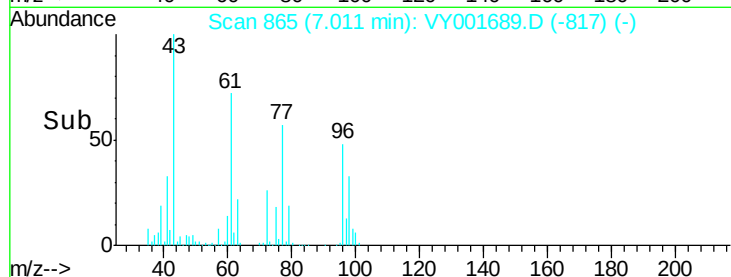
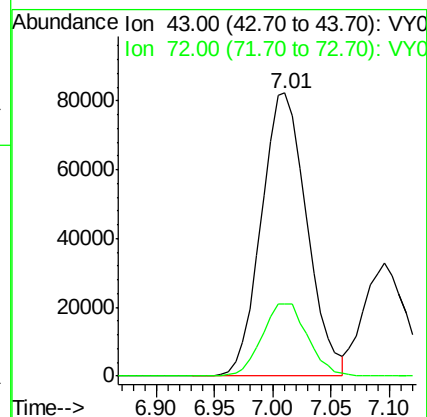
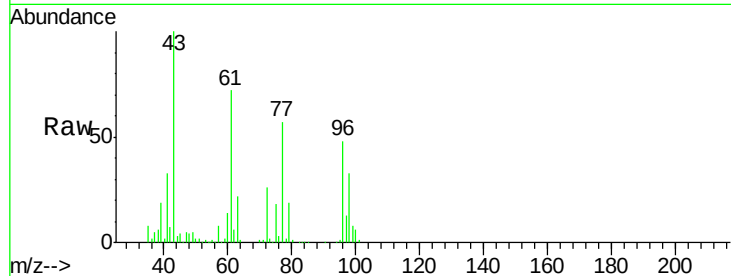
72 25.7 21.2 31.8

Manual Integrations

APPROVED

MMDadoda

2/20/2020 5:55:56 PM



#26

2,2-Dichloropropane

Concen: 47.074 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001689.D

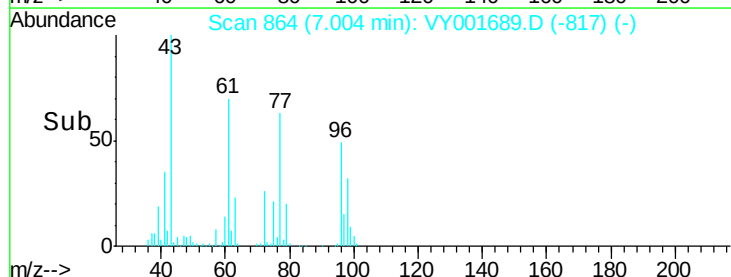
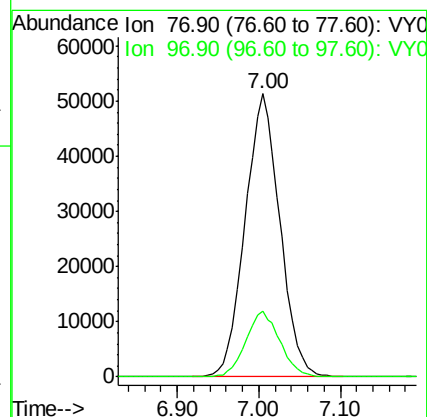
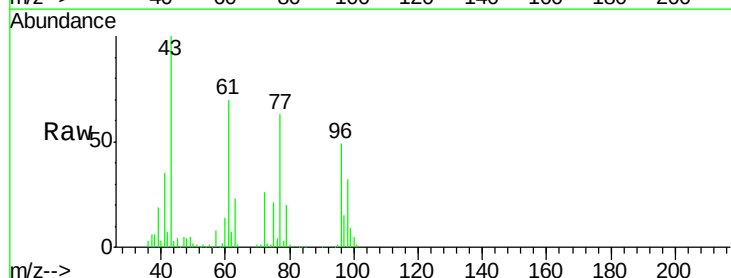
Acq: 19 Feb 2020 10:09

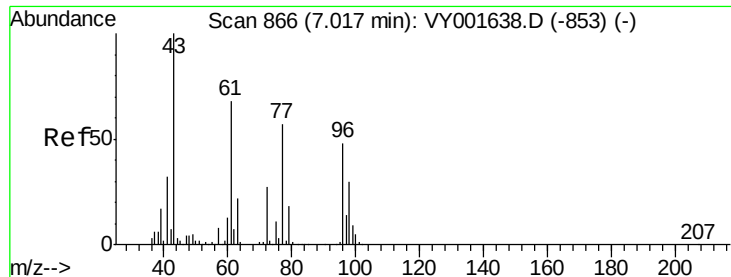
Tgt Ion: 77 Resp: 151881

Ion Ratio Lower Upper

77 100

97 22.7 11.8 35.4





#27

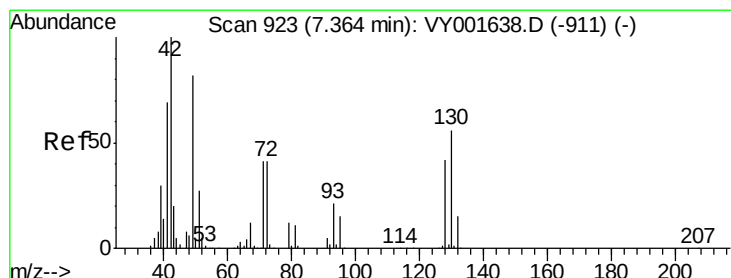
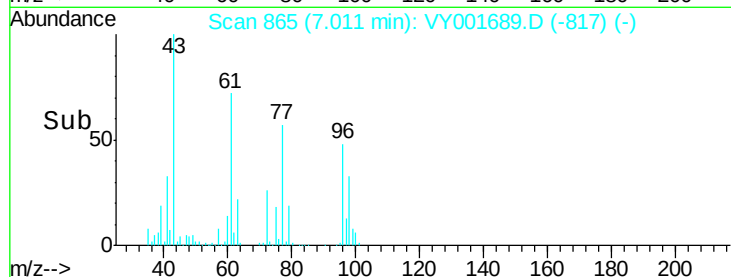
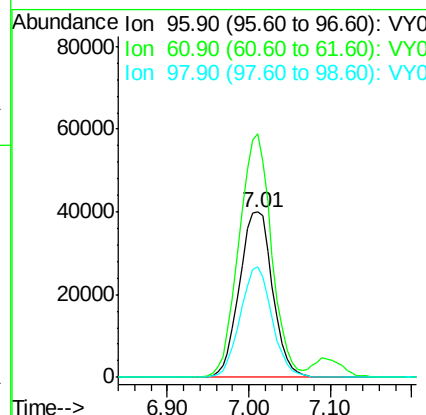
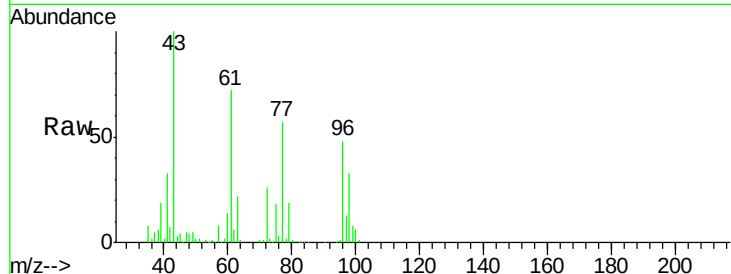
cis-1,2-Dichloroethene
Concen: 47.154 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.4	0.0	290.8	
98	63.9	0.0	128.6	

Manual Integrations
APPROVED

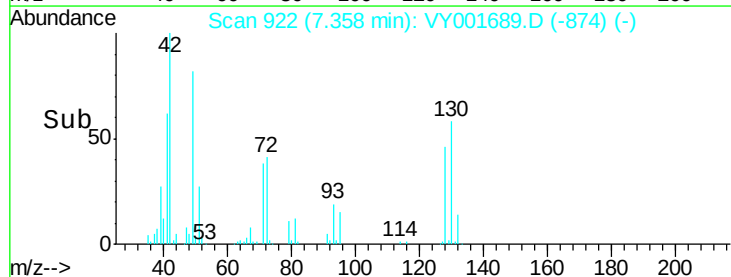
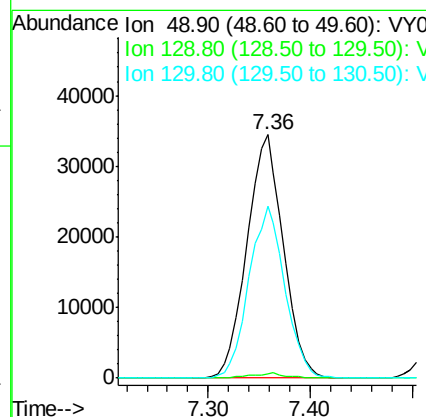
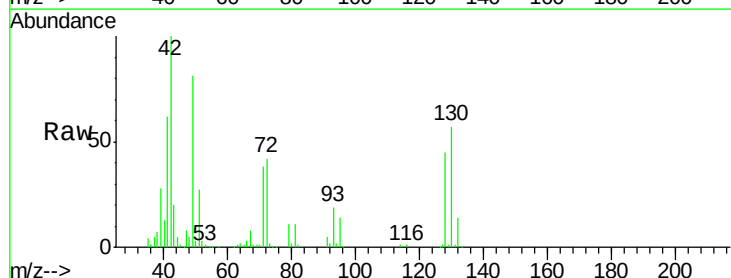
MMDadoda
2/20/2020 5:55:56 PM

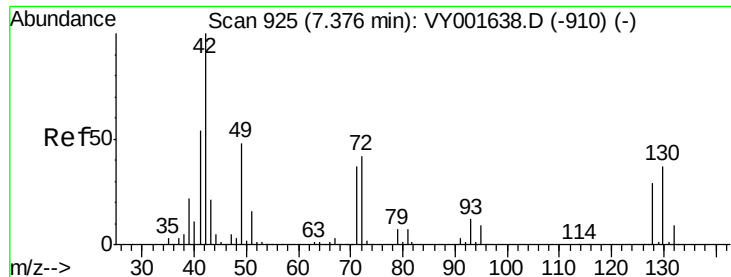


#28

Bromochloromethane
Concen: 55.301 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.6	
130	69.7	56.2	84.4	





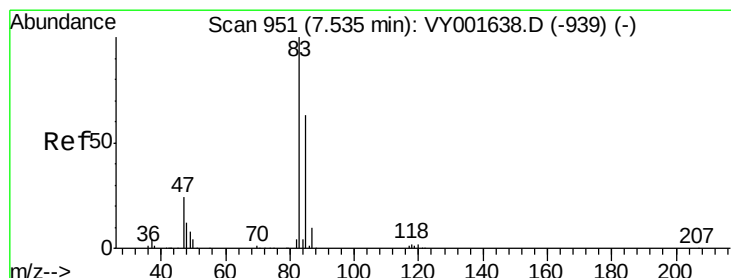
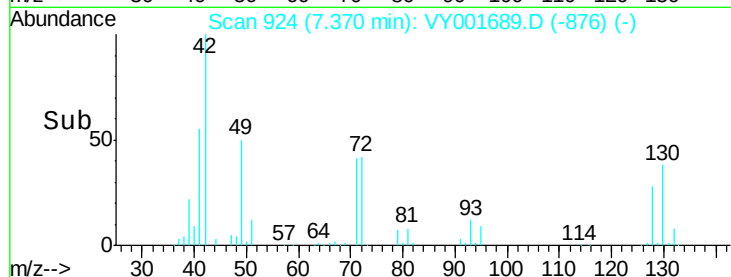
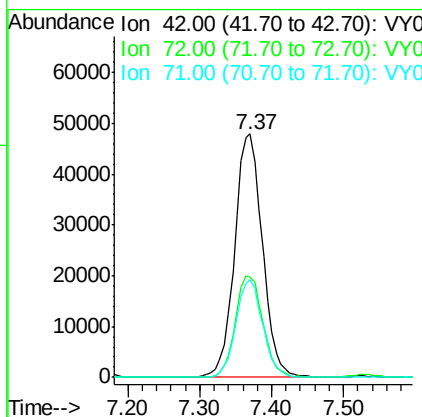
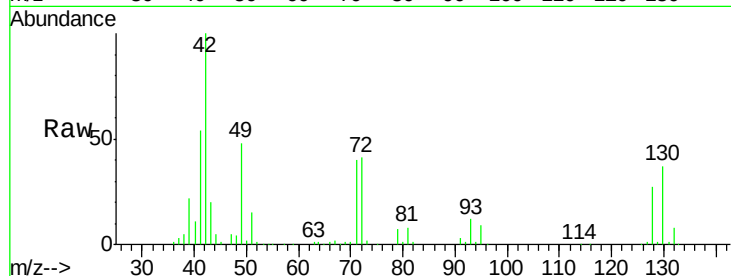
#29
Tetrahydrofuran
Concen: 240.096 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.4	51.6
71	38.6	31.8	47.8

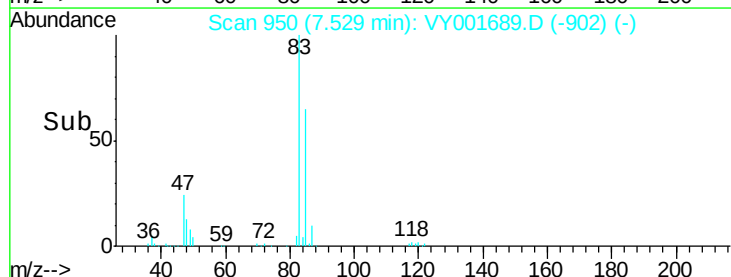
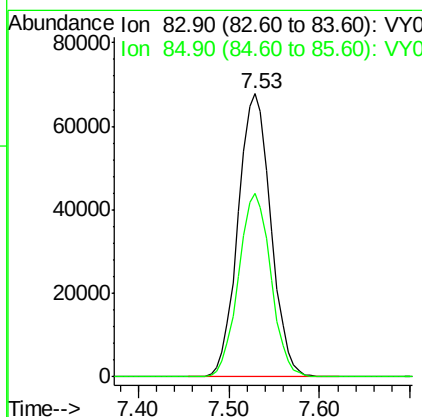
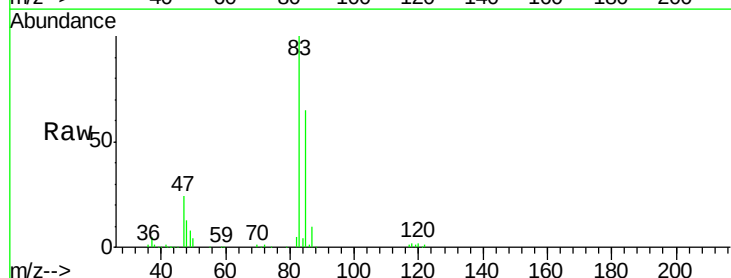
Manual Integrations
APPROVED

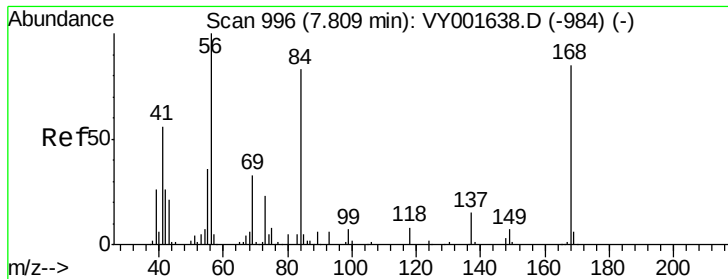
MMDadoda
2/20/2020 5:55:56 PM



#30
Chloroform
Concen: 46.715 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.6	77.4





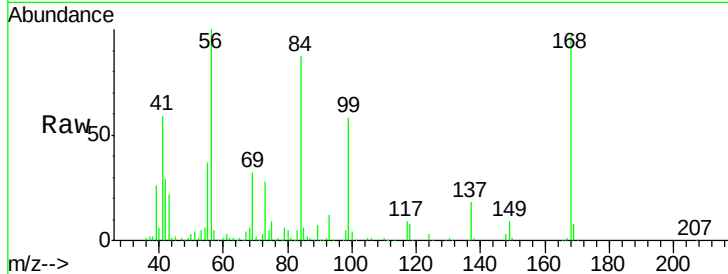
#31
Cyclohexane
Concen: 45.447 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.1	37.7
84	85.9	66.9	100.3

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM

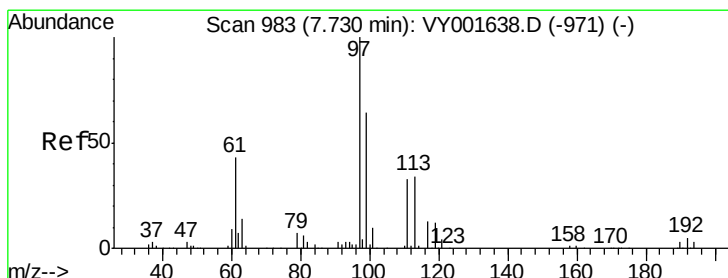
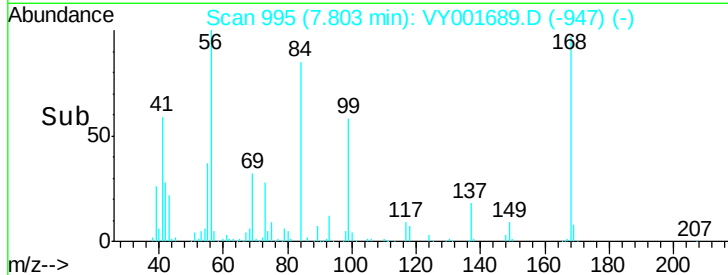
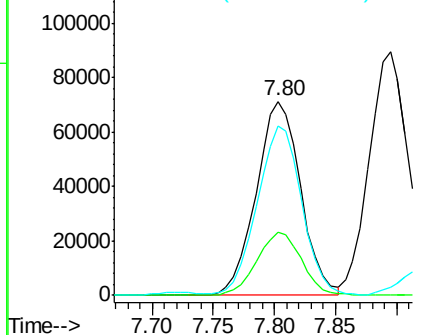


Abundance

Ion 56.00 (55.70 to 56.70): VY001689.D (-947) (-)

Ion 69.00 (68.70 to 69.70): VY001689.D (-947) (-)

Ion 84.00 (83.70 to 84.70): VY001689.D (-947) (-)



#32
1,1,1-Trichloroethane
Concen: 48.000 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

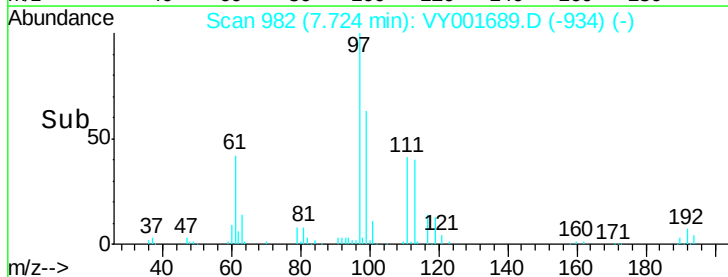
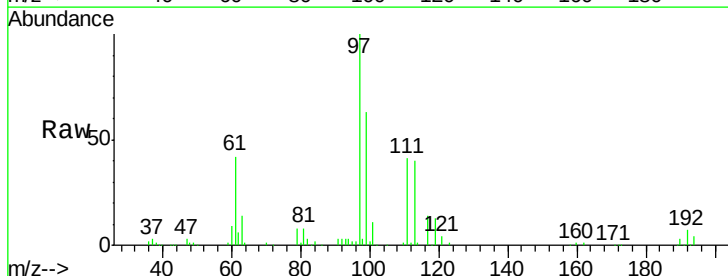
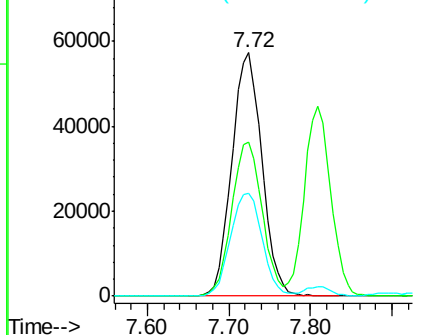
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	44.3	35.0	52.6

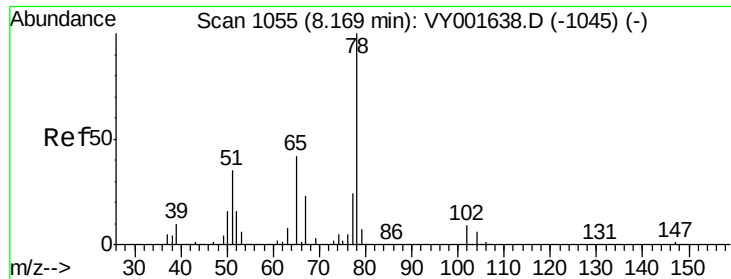
Abundance

Ion 96.90 (96.60 to 97.60): VY001689.D (-934) (-)

Ion 98.90 (98.60 to 99.60): VY001689.D (-934) (-)

Ion 60.90 (60.60 to 61.60): VY001689.D (-934) (-)





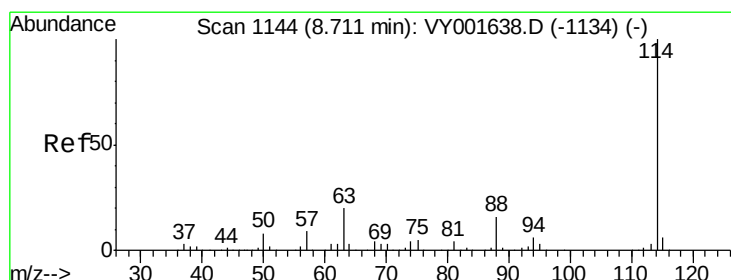
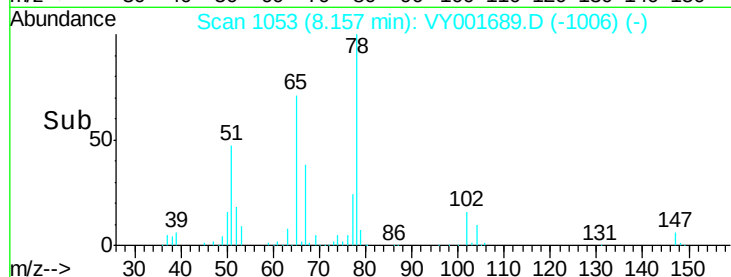
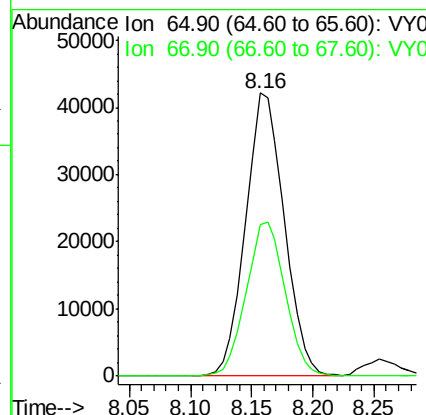
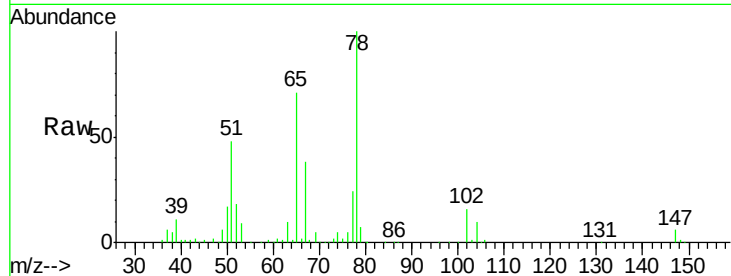
#33
 1,2-Dichloroethane-d4
 Concen: 49.288 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	111.0	

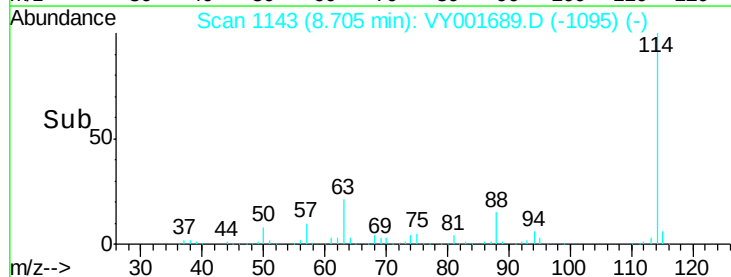
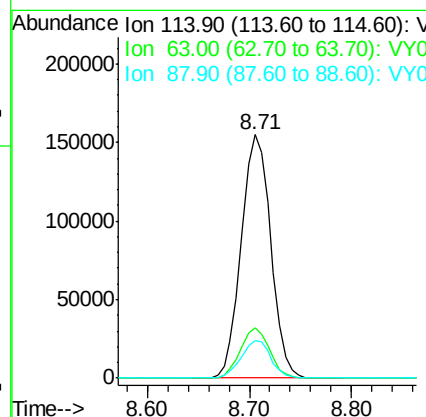
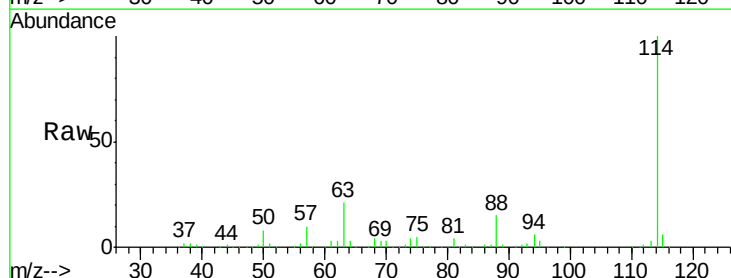
Manual Integrations
 APPROVED

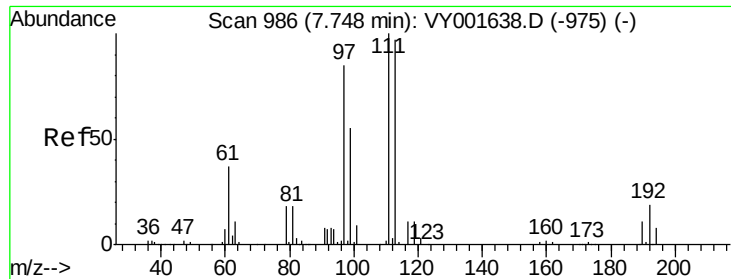
MMDadoda
 2/20/2020 5:55:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.7	0.0	41.4	
88	15.5	0.0	32.8	





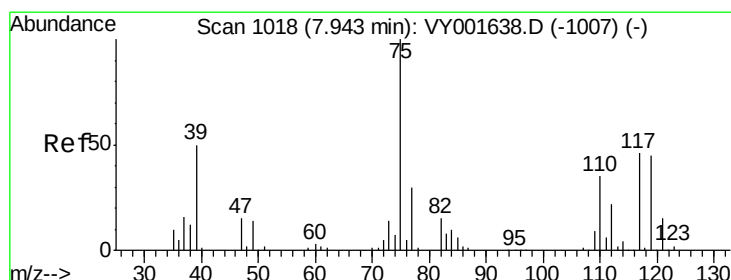
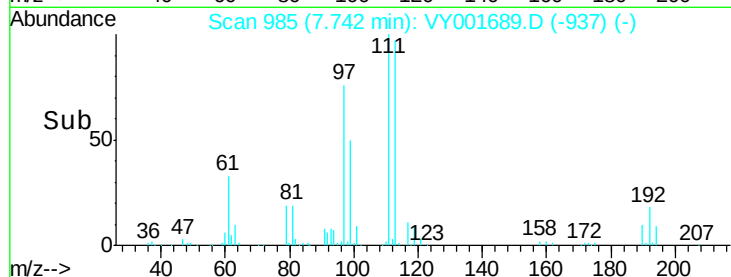
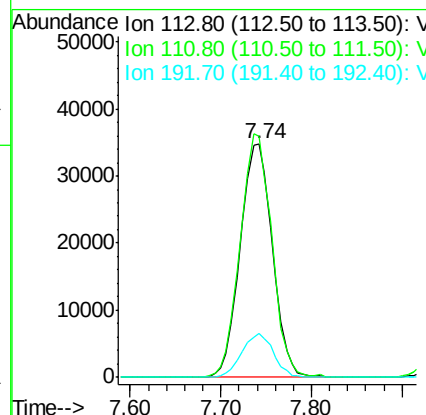
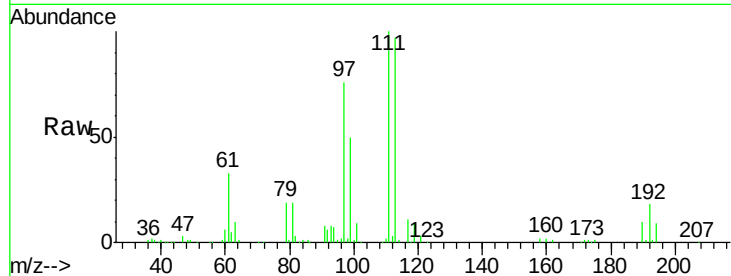
#35
 Dibromofluoromethane
 Concen: 48.232 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.9	122.9
192	18.3	14.3	21.5

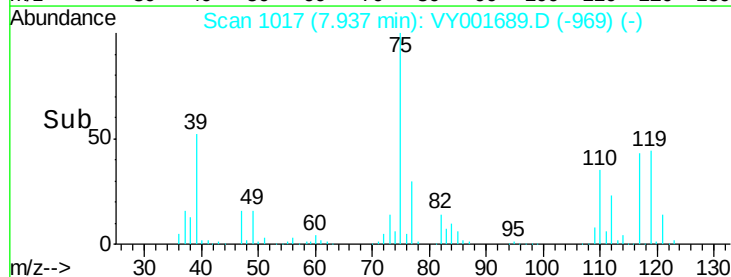
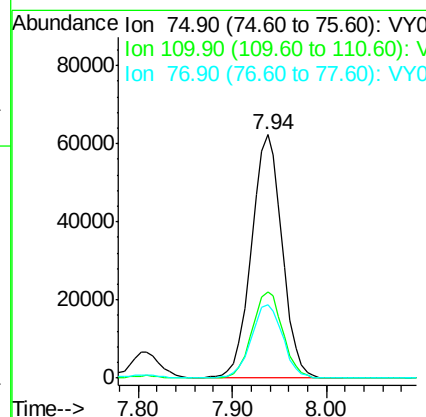
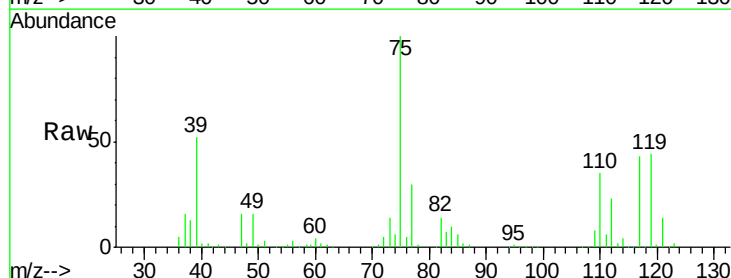
Manual Integrations
 APPROVED

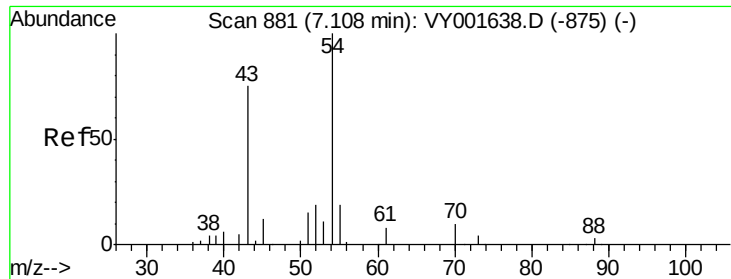
MMDadoda
 2/20/2020 5:55:56 PM



#36
 1,1-Dichloropropene
 Concen: 48.100 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.2	51.6
77	30.9	24.8	37.2





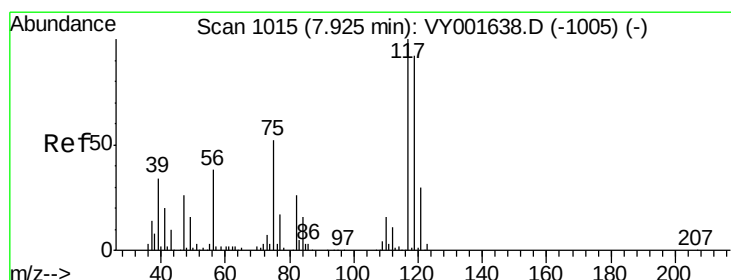
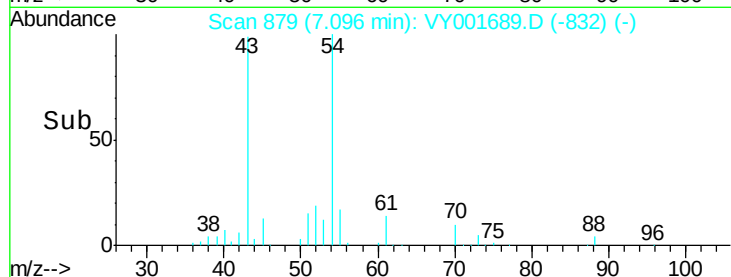
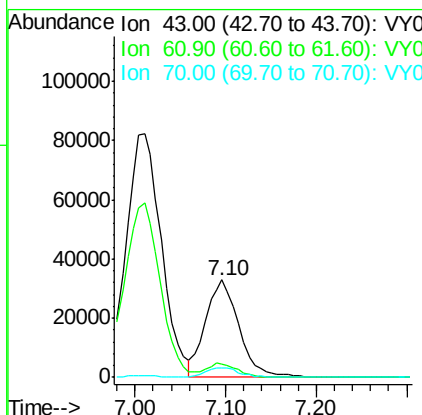
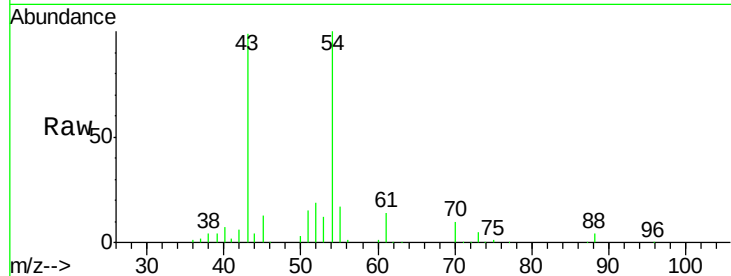
#37
Ethyl Acetate
Concen: 48.186 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.6
70	10.0	8.8	13.2

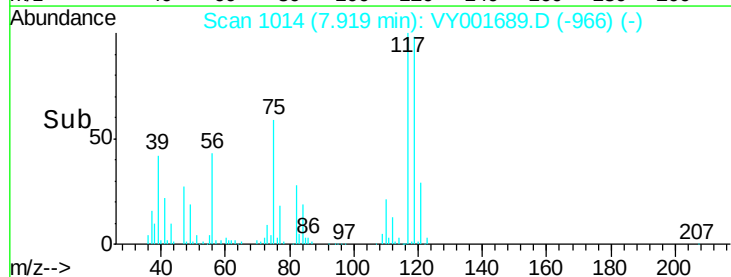
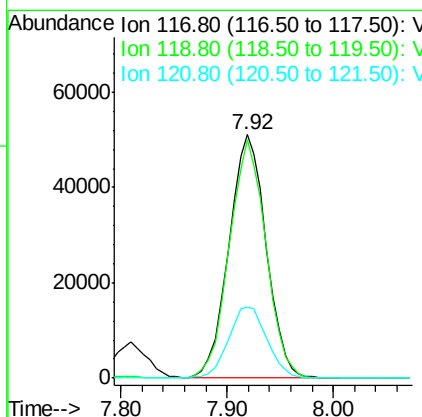
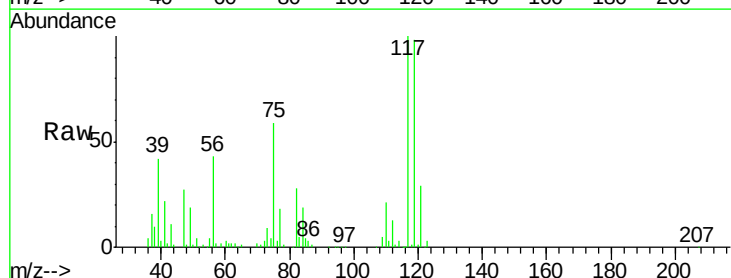
Manual Integrations
APPROVED

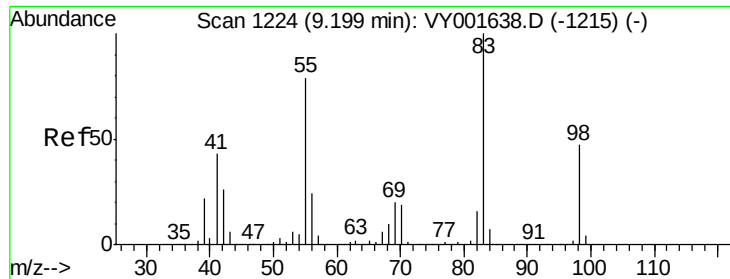
MMDadoda
2/20/2020 5:55:56 PM



#38
Carbon Tetrachloride
Concen: 48.011 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	74.8	112.2
121	28.8	23.8	35.6





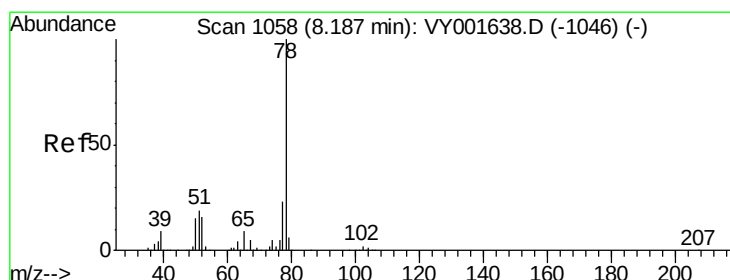
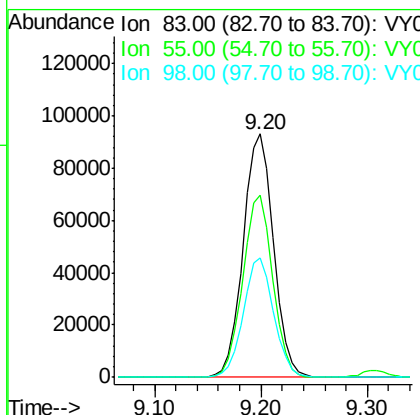
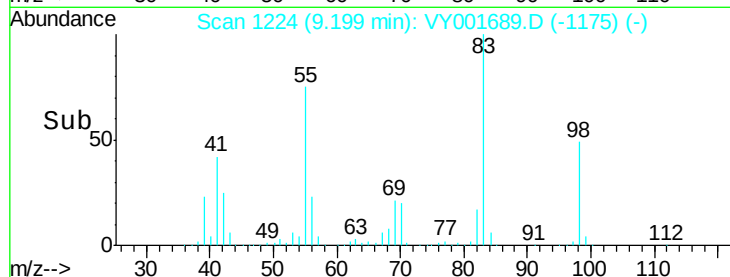
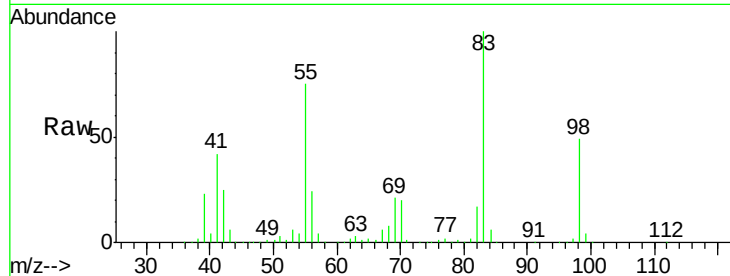
#39
Methylvlcyclohexane
Concen: 47.406 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	186362
Ion Ratio	Lower	Upper	
83	100		
55	75.1	61.3	91.9
98	48.9	38.0	57.0

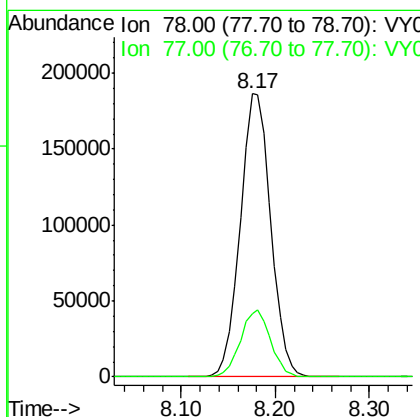
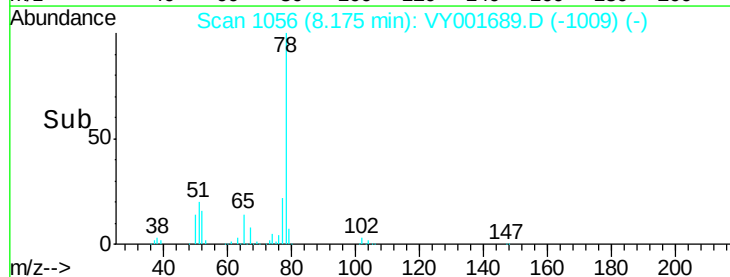
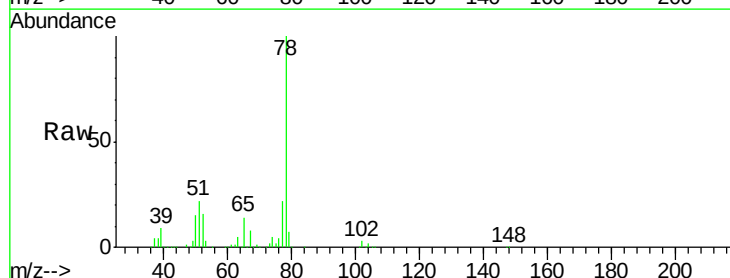
Manual Integrations
APPROVED

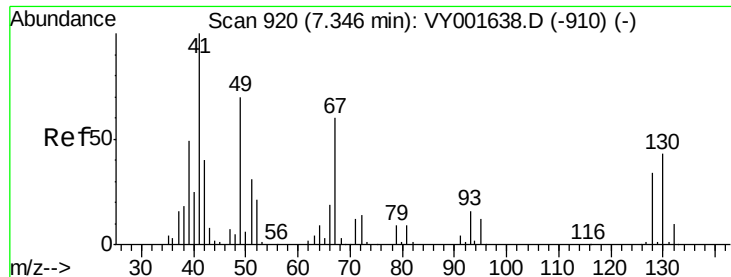
MMDadoda
2/20/2020 5:55:56 PM



#40
Benzene
Concen: 48.342 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	78	Resp	421297
Ion Ratio	Lower	Upper	
78	100		
77	22.3	18.2	27.4





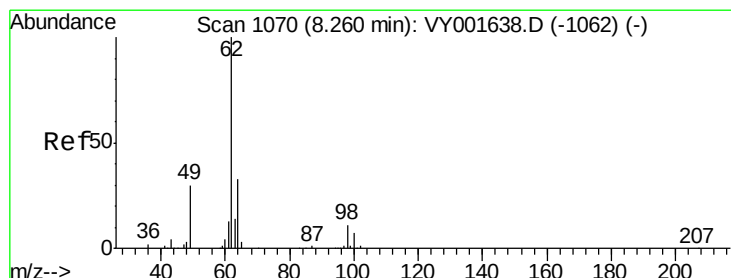
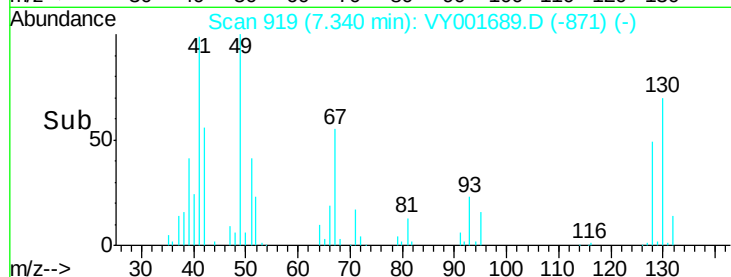
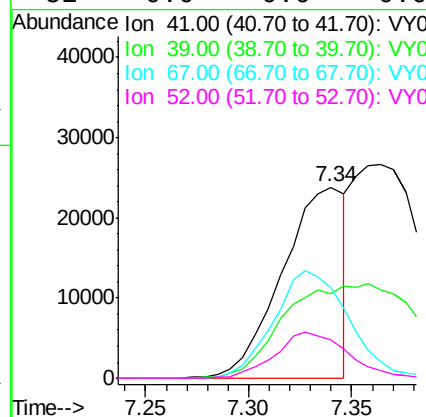
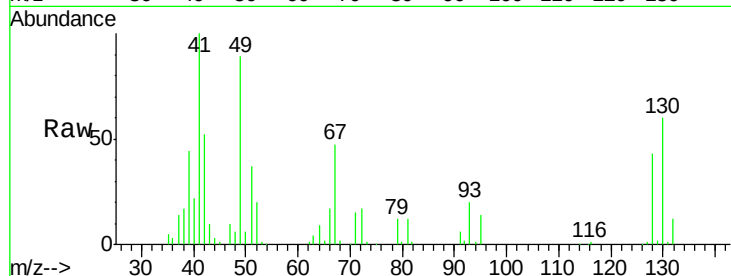
#41
Methacrylonitrile
Concen: 57.174 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	104.4	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

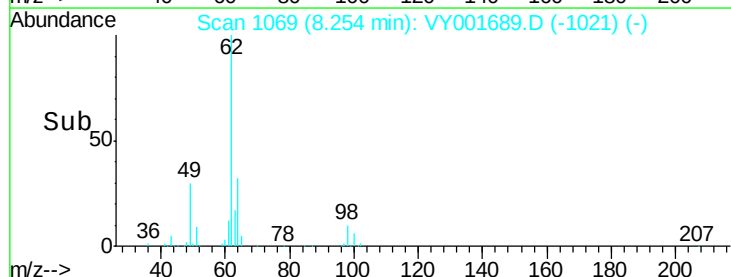
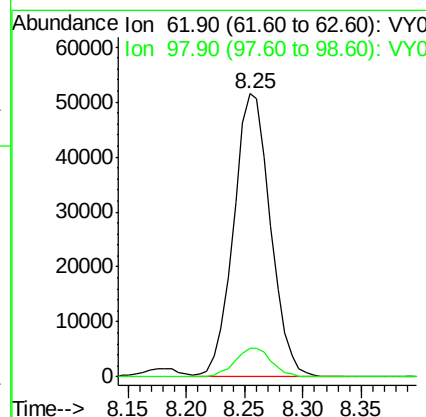
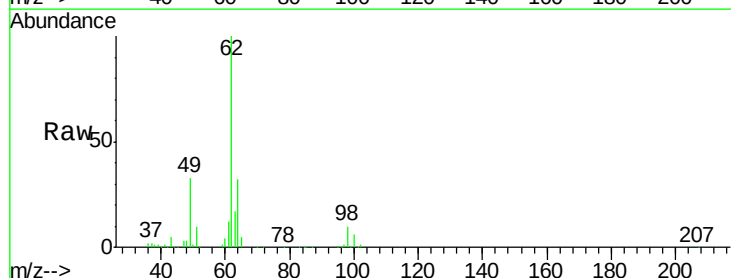
Manual Integrations
APPROVED

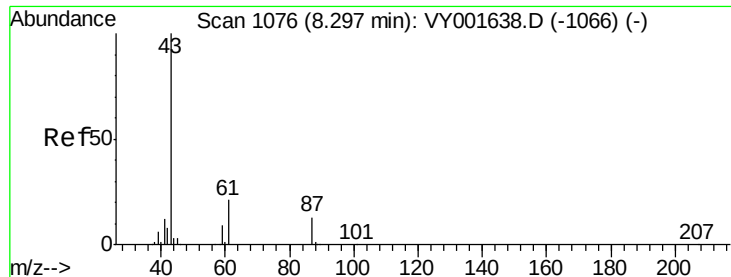
MMDadoda
2/20/2020 5:55:56 PM



#42
1,2-Dichloroethane
Concen: 47.716 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.8





#43

Isopropyl Acetate

Concen: 48.700 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

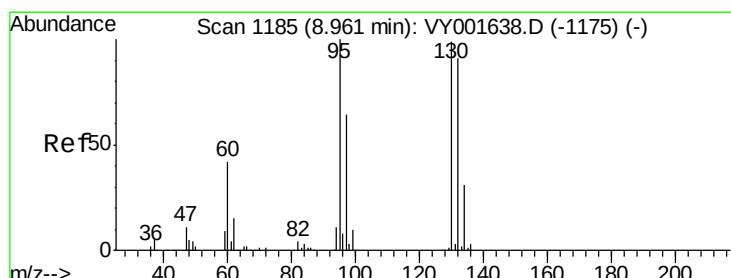
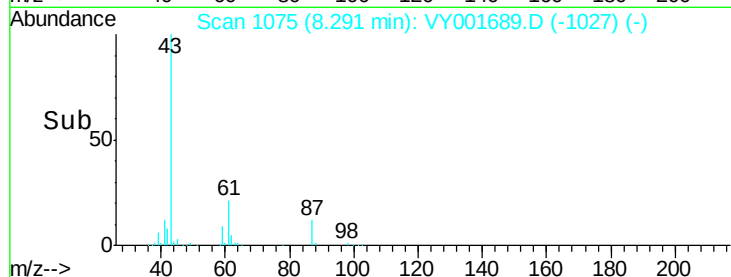
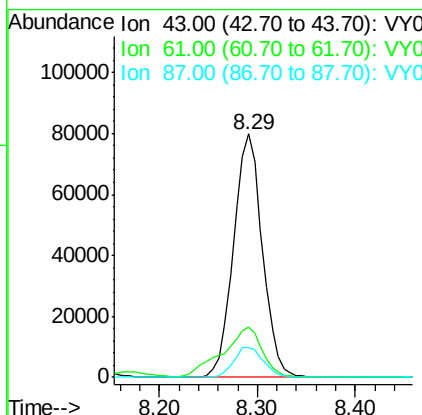
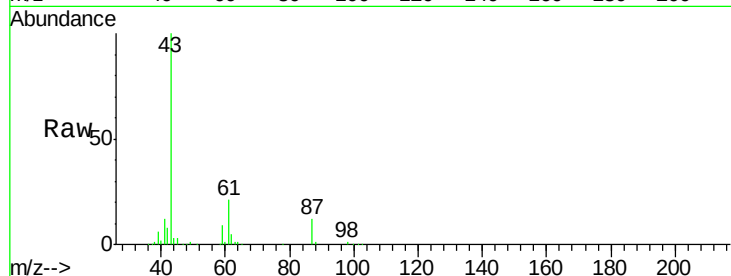
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	163422
Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.0	34.4
87	12.9	10.7	16.1

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM



#44

Trichloroethene

Concen: 48.369 ug/l

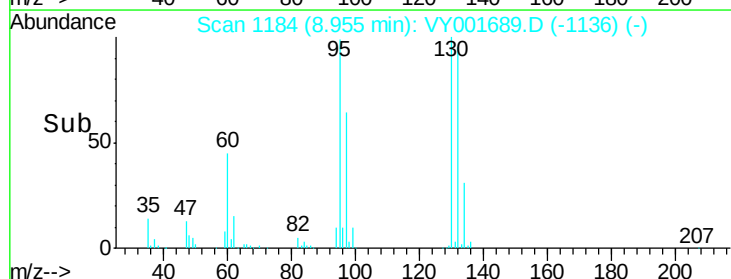
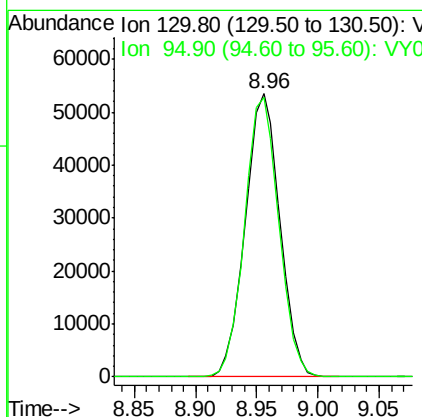
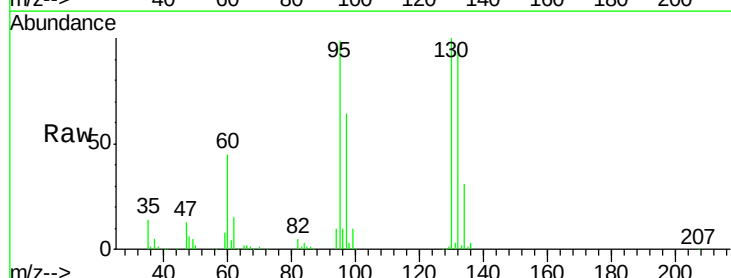
RT: 8.96 min Scan# 1184

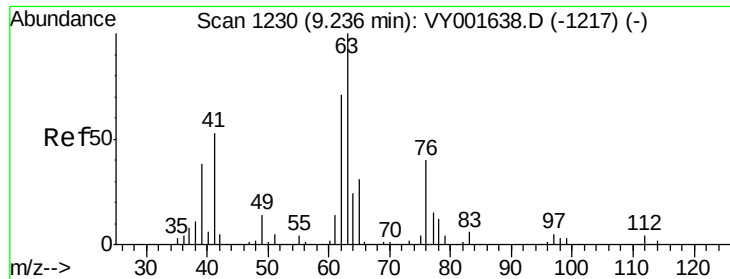
Delta R.T. -0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Tgt Ion:	130	Resp:	105227
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	200.6





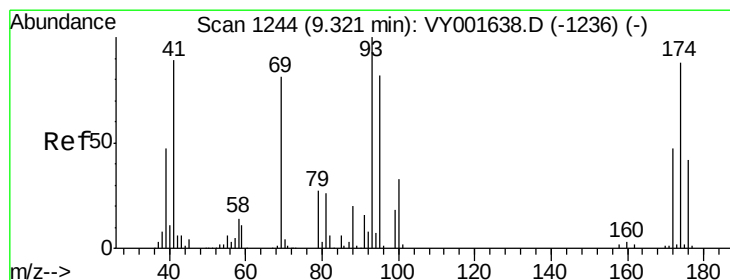
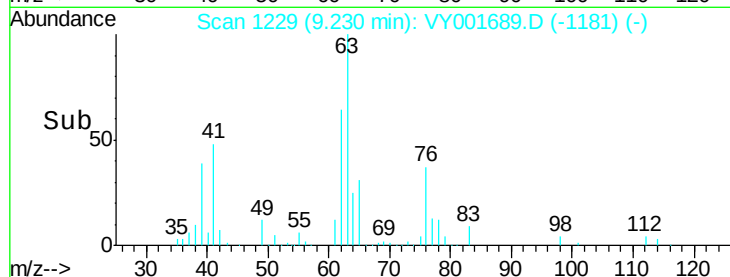
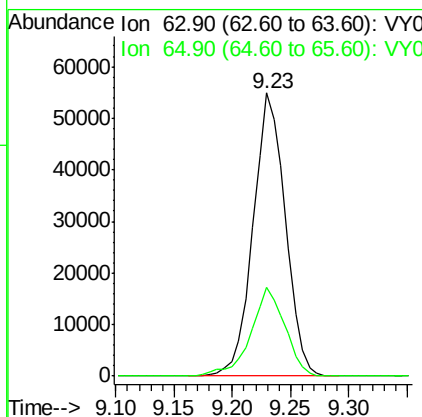
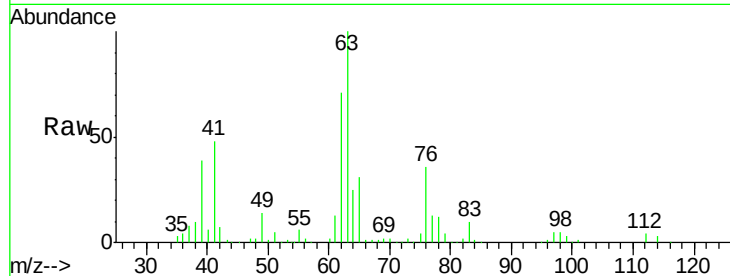
#45
 1,2-Dichloropropane
 Concen: 48.302 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 105421
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 37.0

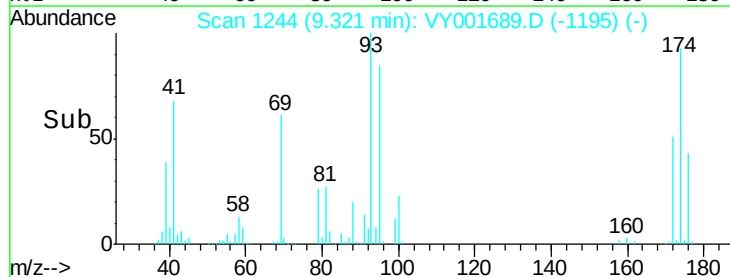
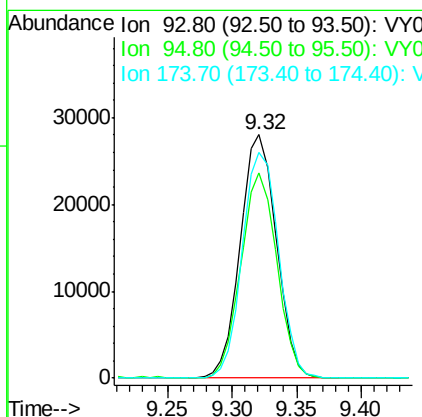
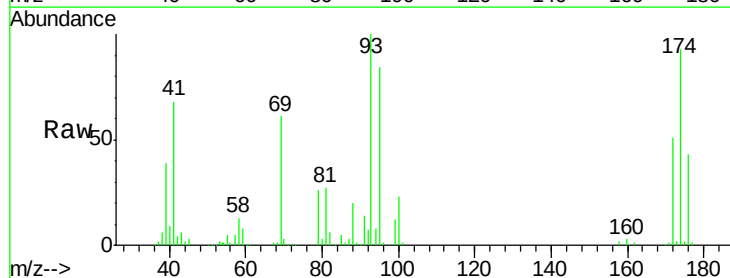
Manual Integrations
 APPROVED

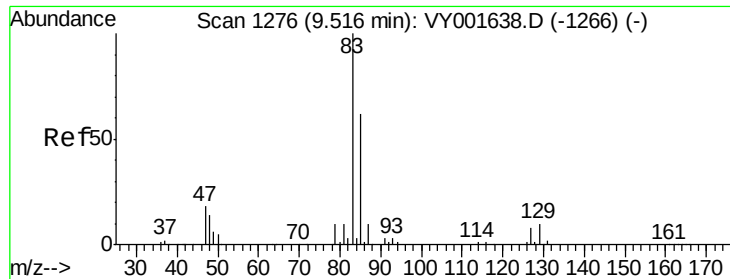
MMDadoda
 2/20/2020 5:55:56 PM



#46
 Dibromomethane
 Concen: 47.838 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Tgt Ion: 93 Resp: 54610
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.1 99.1
 174 92.9 72.5 108.7





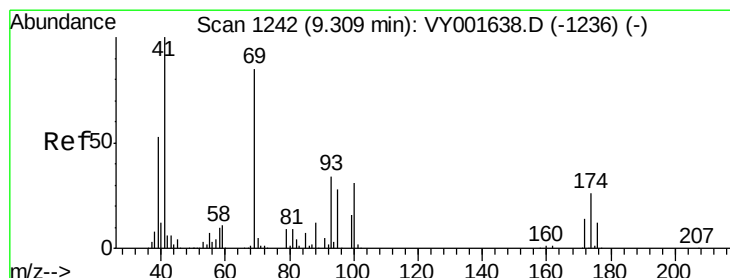
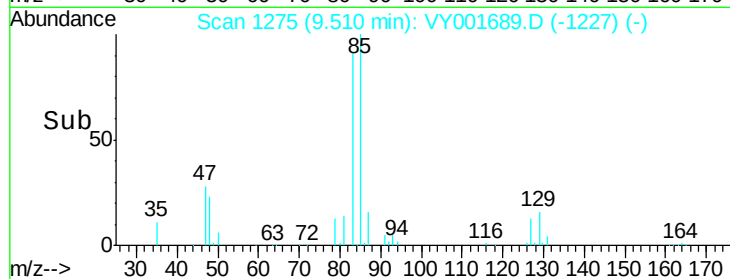
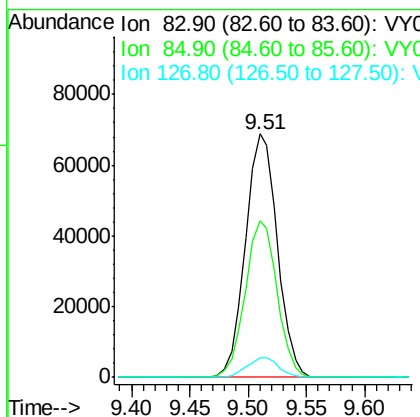
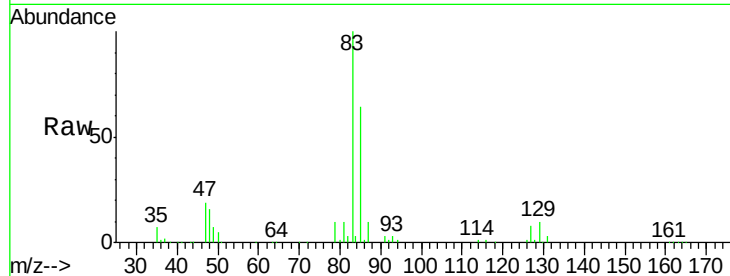
#47
Bromodichloromethane
Concen: 47.633 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:	83	Resp:	131234
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.4	77.0
127	8.3	6.4	9.6

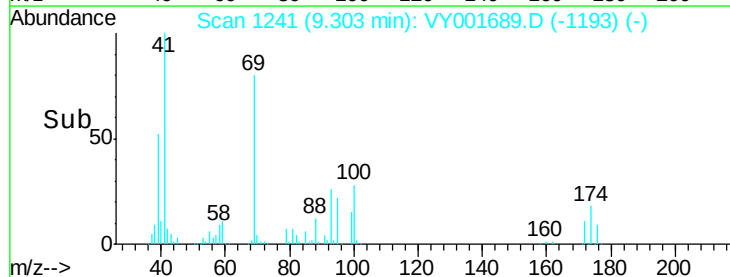
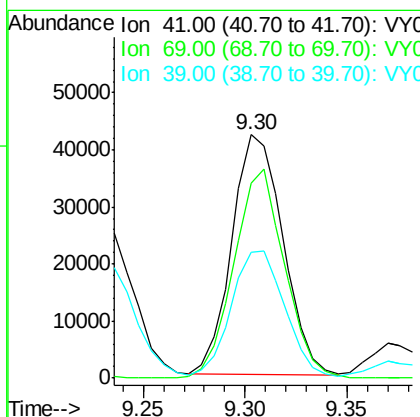
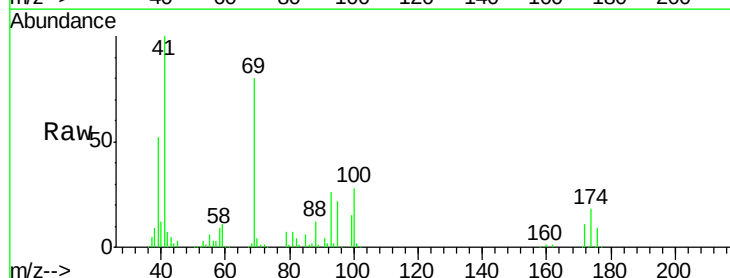
Manual Integrations
APPROVED

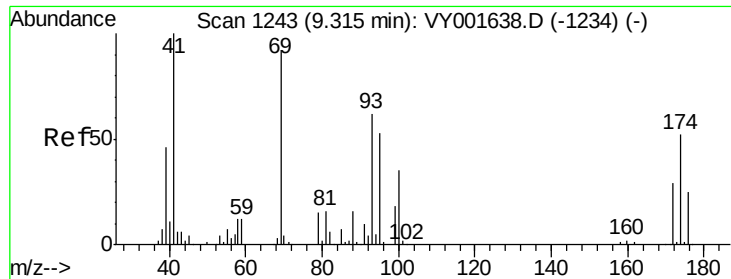
MMDadoda
2/20/2020 5:55:56 PM



#48
Methyl methacrylate
Concen: 48.226 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion:	41	Resp:	73189
Ion Ratio	Lower	Upper	
41	100		
69	86.5	70.7	106.1
39	53.8	42.2	63.2





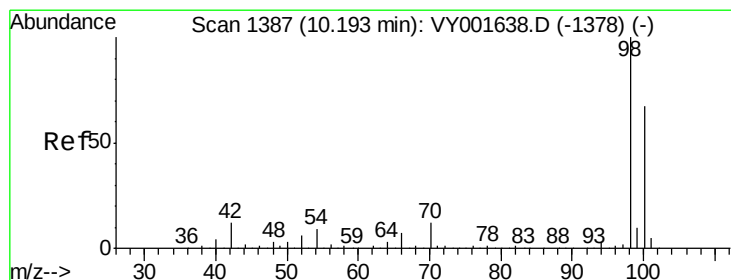
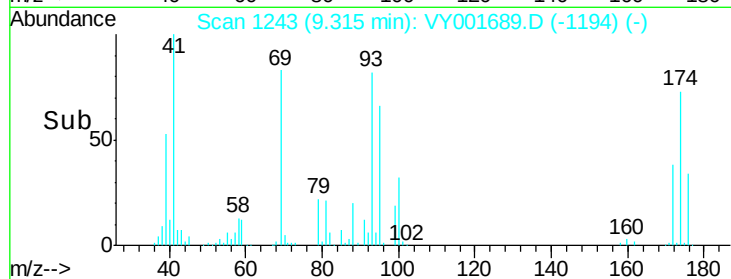
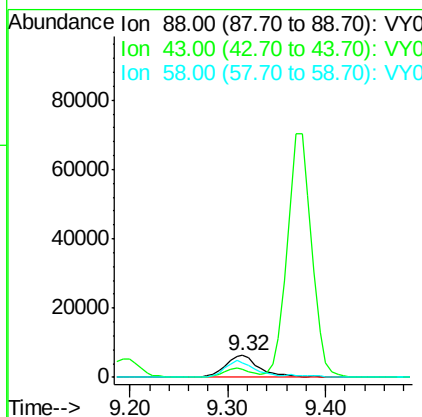
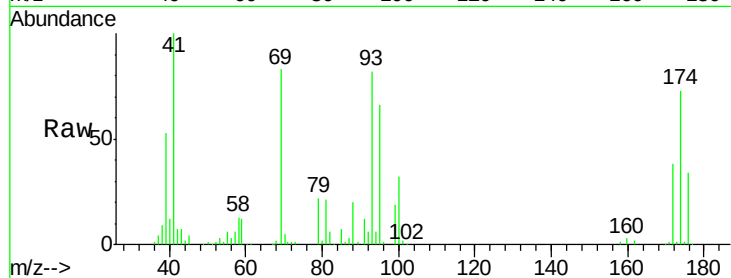
#49
1,4-Dioxane
Concen: 951.661 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	15344
Ion	Ratio	Lower	Upper
88	100		
43	33.1	23.1	34.7
58	67.6	58.1	87.1

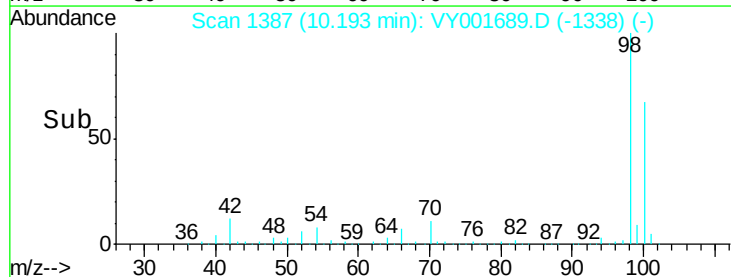
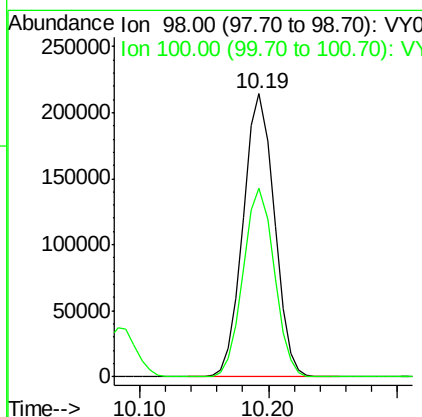
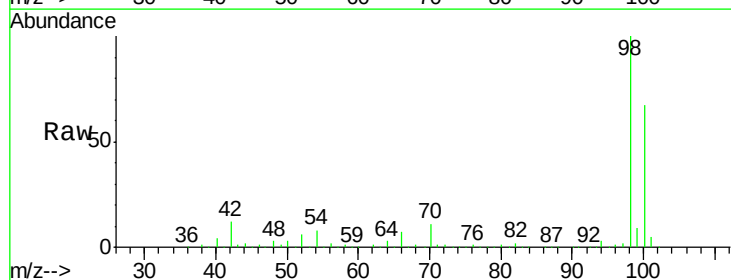
Manual Integrations
APPROVED

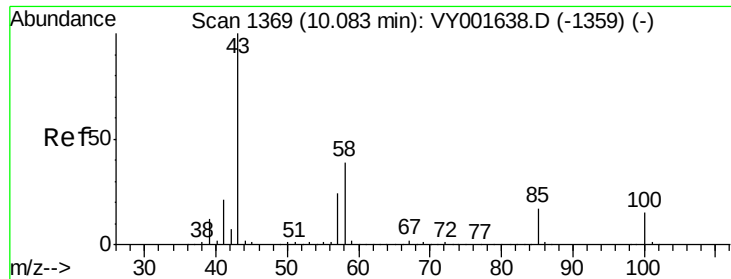
MMDadoda
2/20/2020 5:55:56 PM



#50
Toluene-d8
Concen: 51.650 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	98	Resp	359531
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4





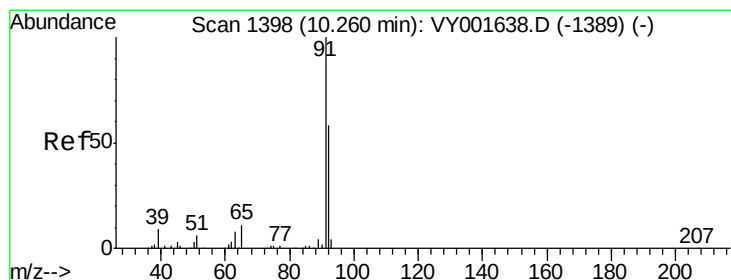
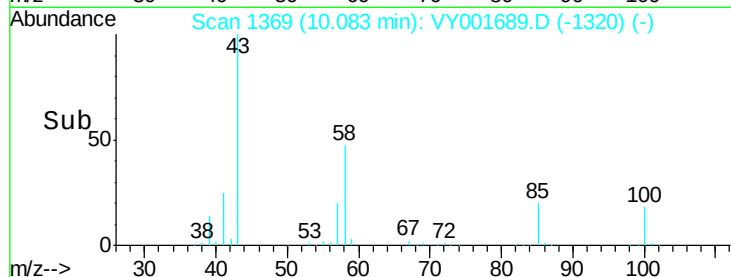
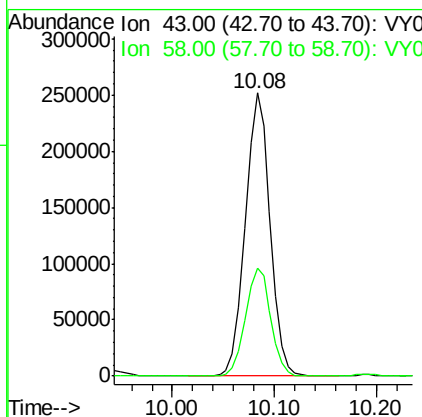
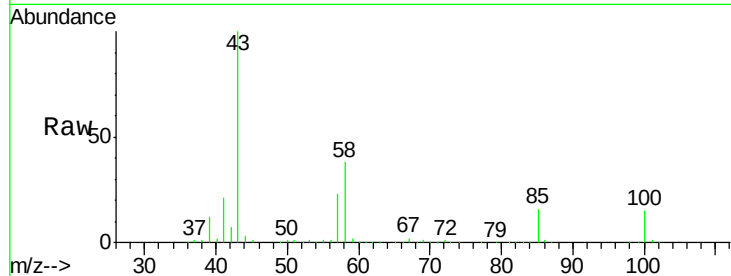
#51
4-Methyl-2-Pentanone
Concen: 245.260 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	32.2	48.4

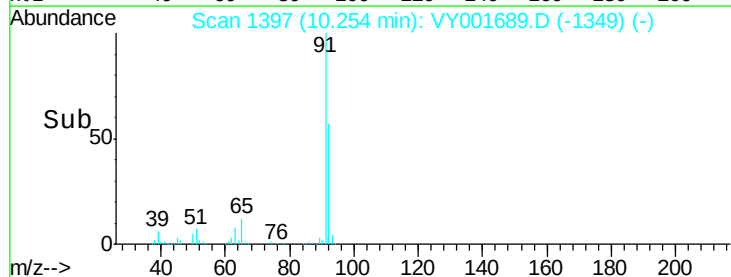
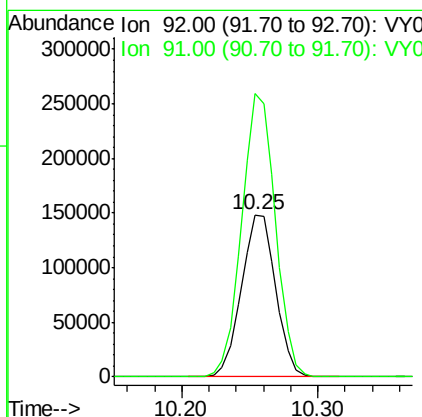
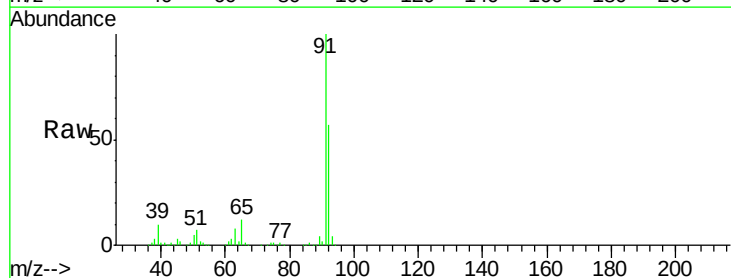
Manual Integrations
APPROVED

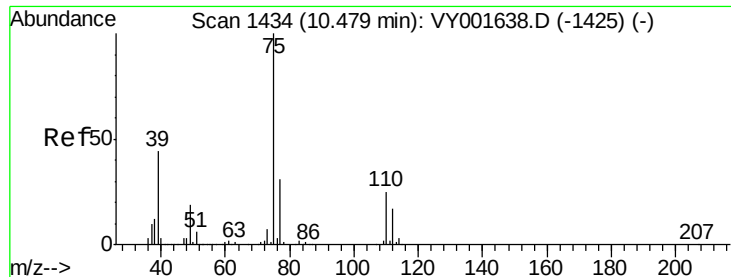
MMDadoda
2/20/2020 5:55:56 PM



#52
Toluene
Concen: 47.990 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.0	205.6





#53

t-1,3-Dichloropropene

Concen: 47.920 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 145955

Ion Ratio Lower Upper

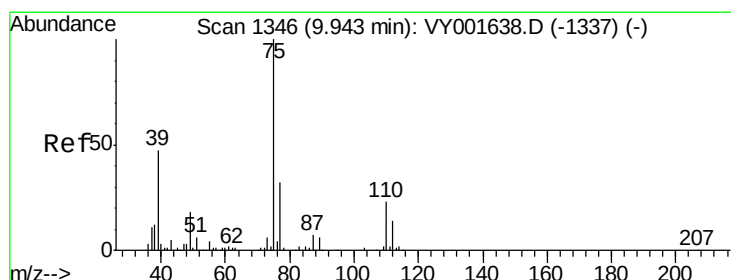
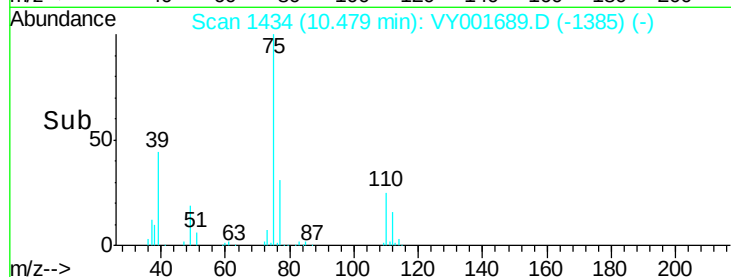
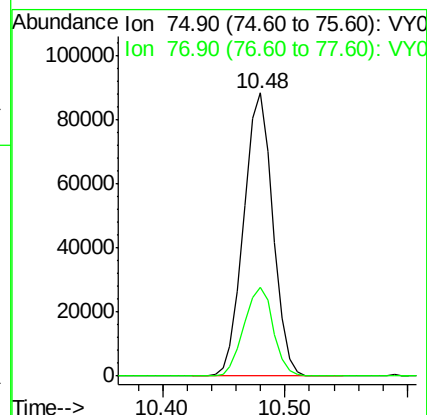
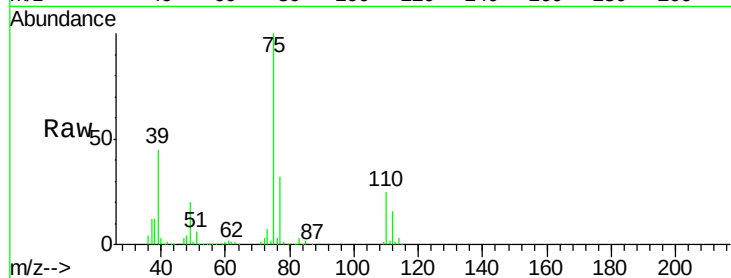
75 100

77 31.6 25.2 37.8

Manual Integrations
APPROVED

MMDadoda

2/20/2020 5:55:56 PM



#54

cis-1,3-Dichloropropene

Concen: 47.765 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

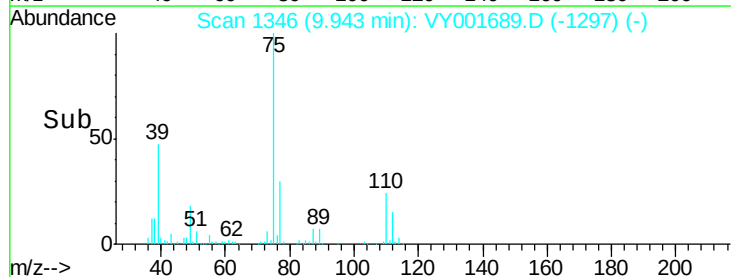
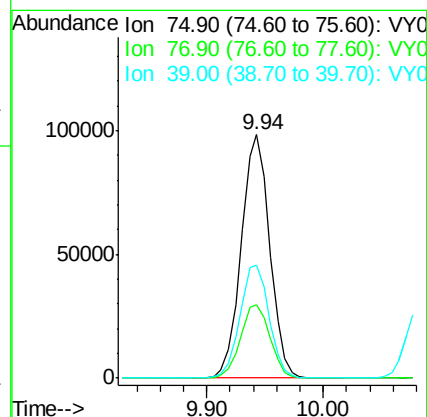
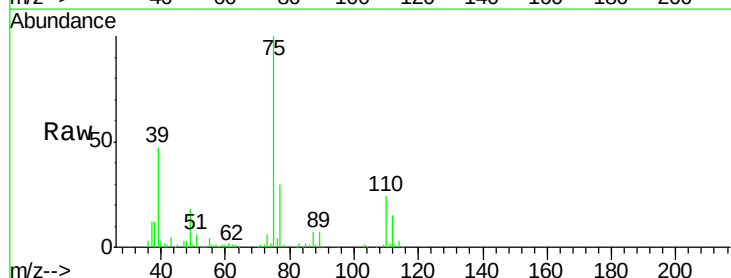
Tgt Ion: 75 Resp: 167441

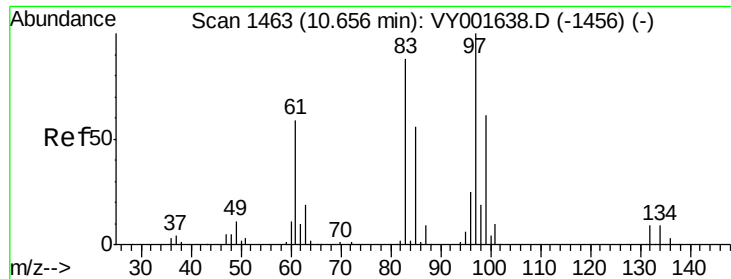
Ion Ratio Lower Upper

75 100

77 30.4 25.7 38.5

39 46.6 35.7 53.5





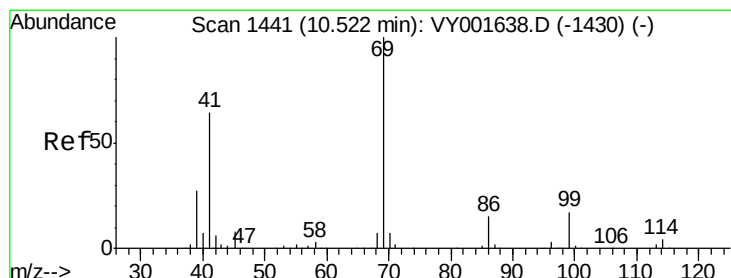
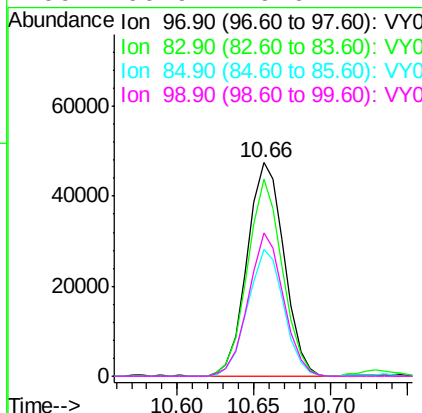
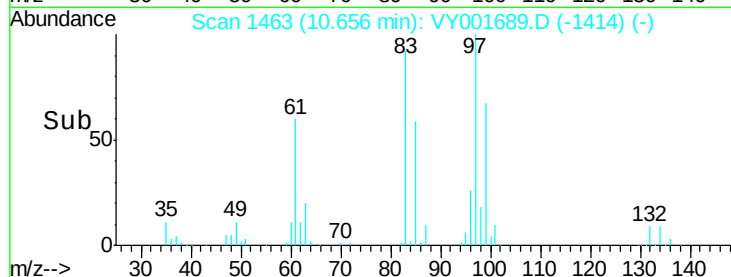
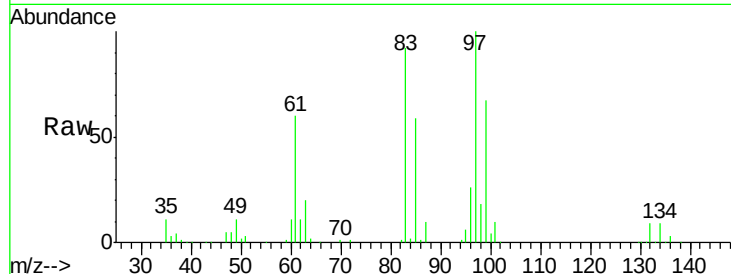
#55
 1,1,2-Trichloroethane
 Concen: 47.213 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	79472
Ion	Ratio	Lower	Upper
97	100		
83	92.3	69.7	104.5
85	59.2	44.5	66.7
99	66.9	49.6	74.4

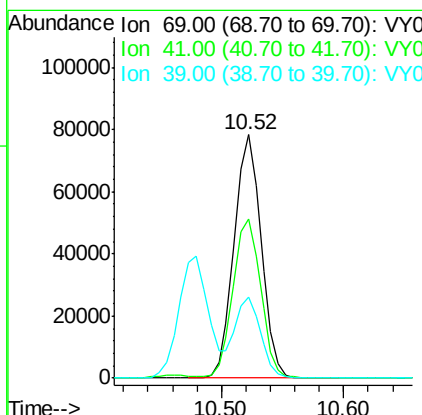
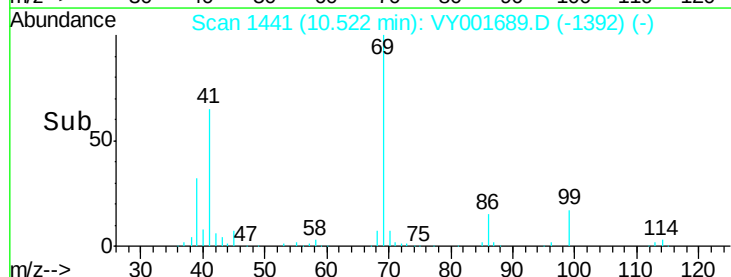
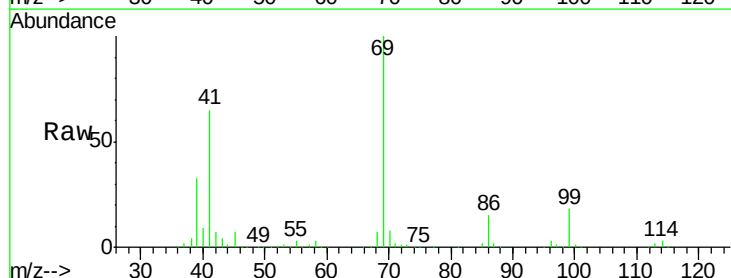
Manual Integrations
 APPROVED

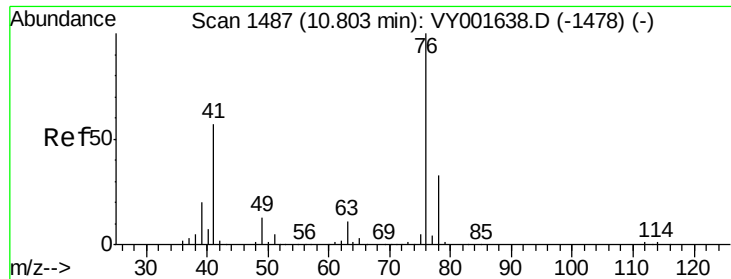
MMDadoda
 2/20/2020 5:55:56 PM



#56
 Ethyl methacrylate
 Concen: 47.549 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Tgt Ion:	69	Resp:	120072
Ion	Ratio	Lower	Upper
69	100		
41	67.0	51.0	76.4
39	33.2	24.7	37.1





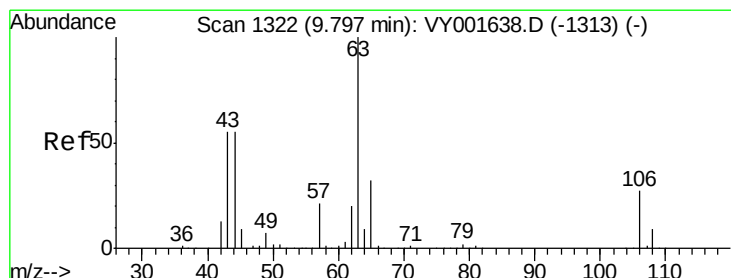
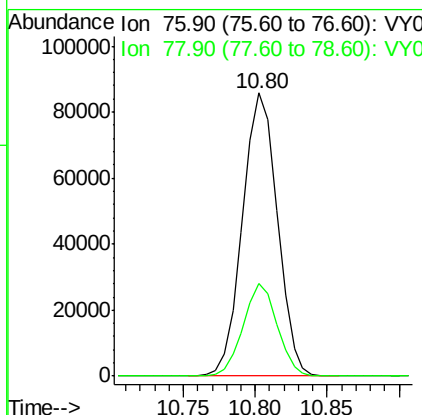
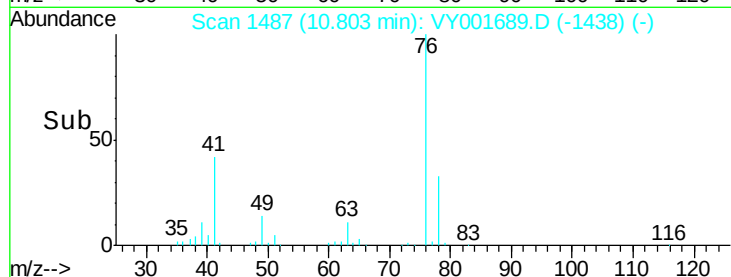
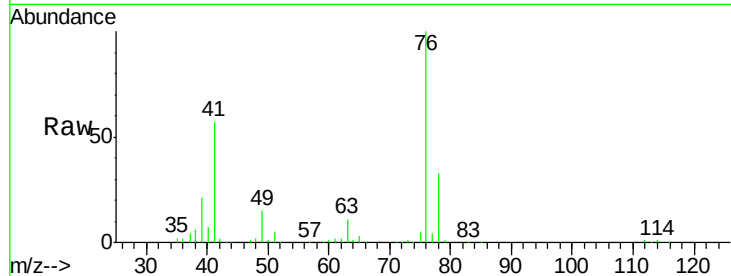
#57
 1,3-Dichloropropane
 Concen: 48.111 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.7	38.5

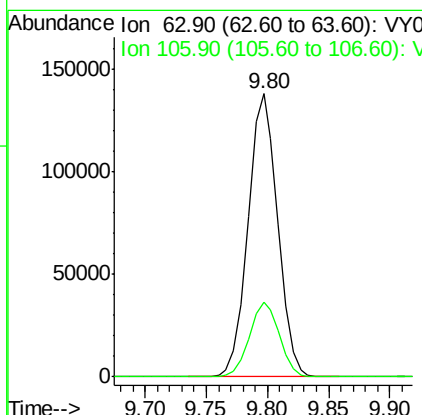
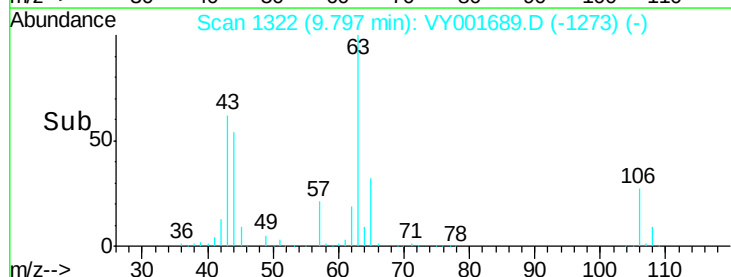
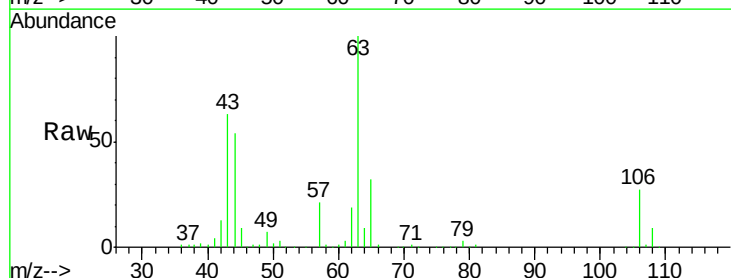
Manual Integrations
 APPROVED

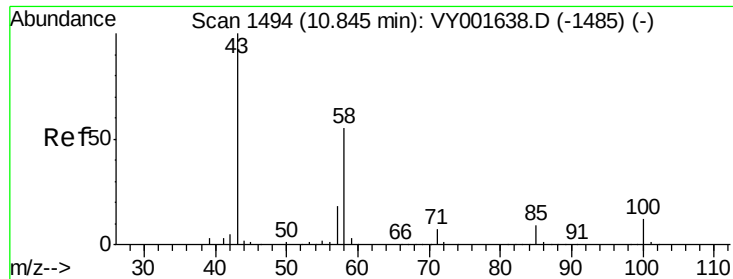
MMDadoda
 2/20/2020 5:55:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.125 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.6	32.4





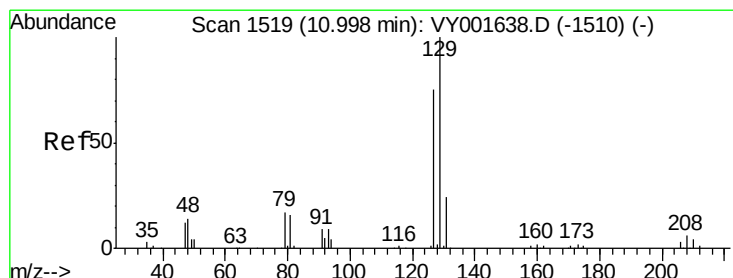
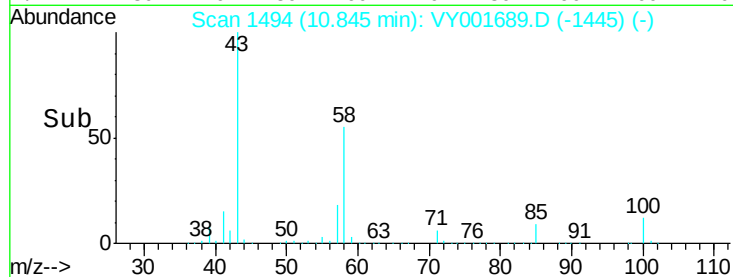
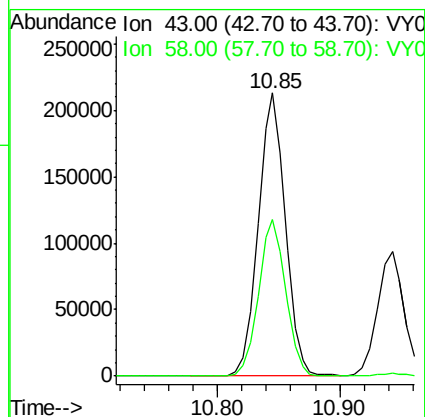
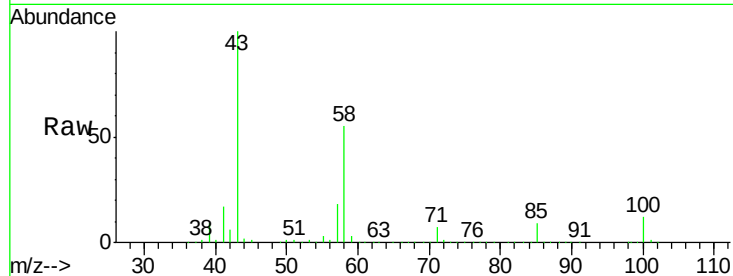
#59
2-Hexanone
Concen: 254.073 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 328673
Ion Ratio Lower Upper
43 100
58 55.4 28.4 85.2

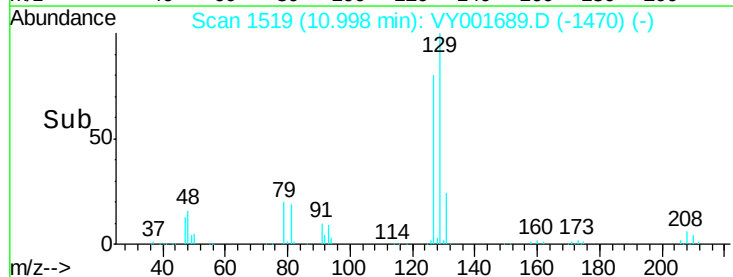
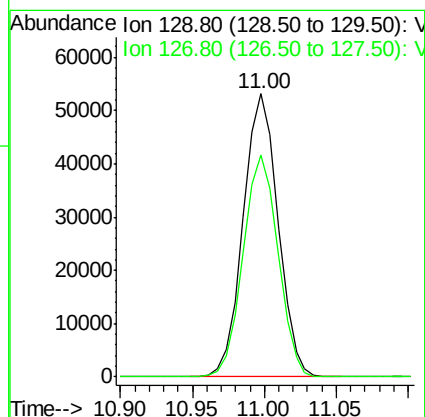
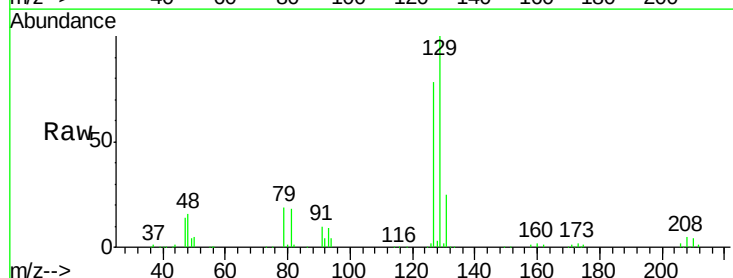
Manual Integrations
APPROVED

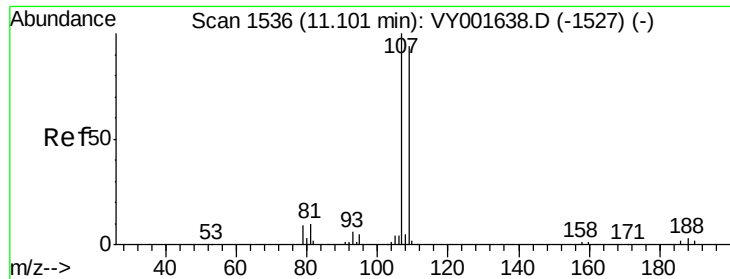
MMDadoda
2/20/2020 5:55:56 PM



#60
Dibromochloromethane
Concen: 48.034 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion:129 Resp: 89143
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 48.751 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. 0.00 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 77591

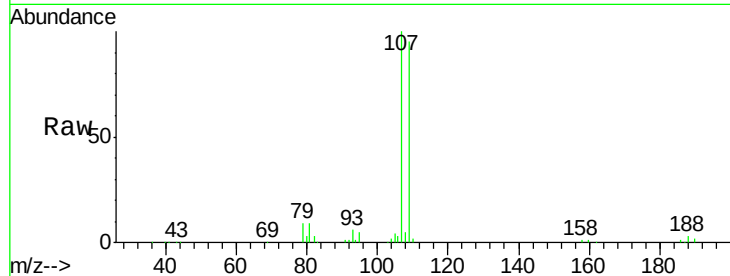
Ion Ratio Lower Upper

107 100

109 94.4 74.2 111.4

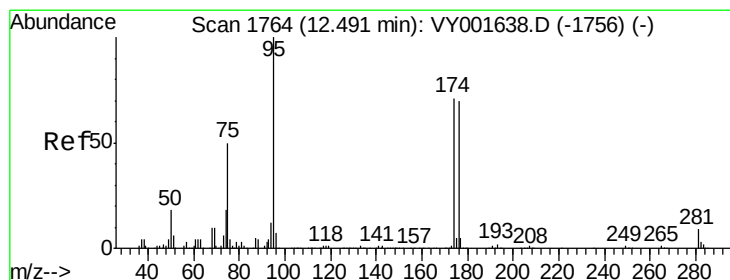
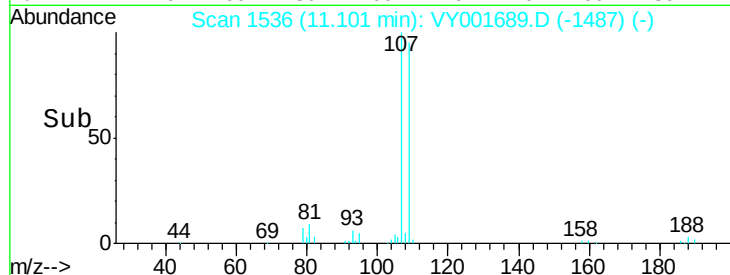
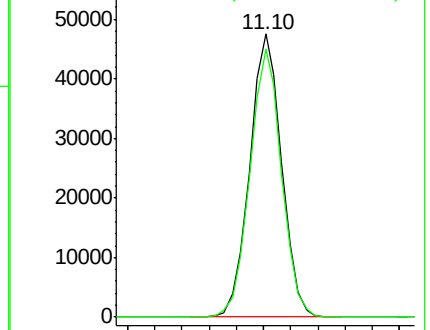
Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.850 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

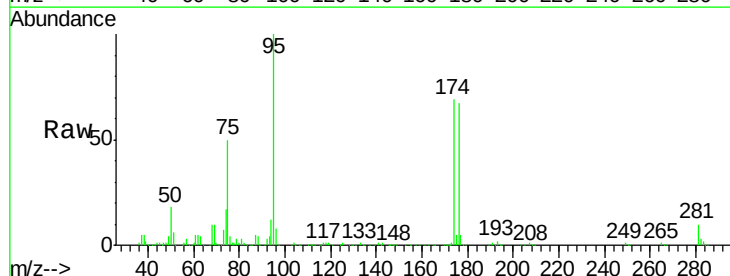
Tgt Ion: 95 Resp: 126696

Ion Ratio Lower Upper

95 100

174 73.1 0.0 138.4

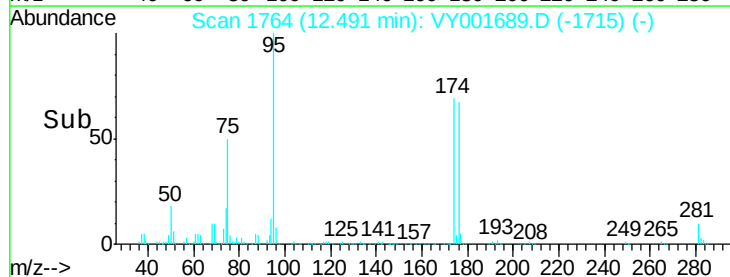
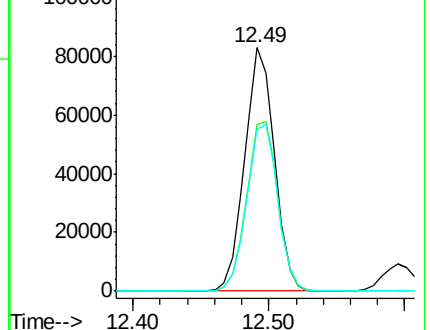
176 71.9 0.0 131.8

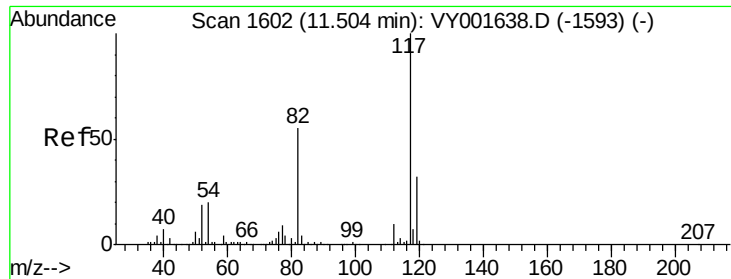


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





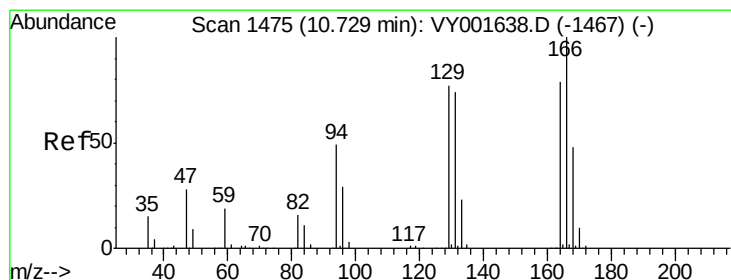
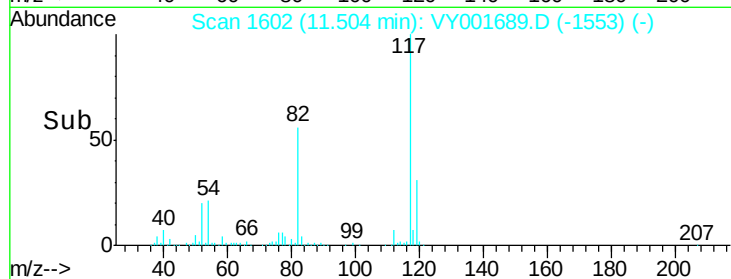
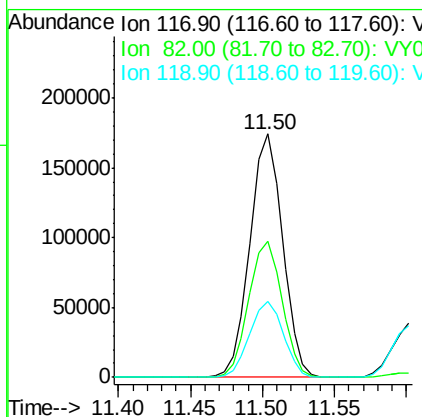
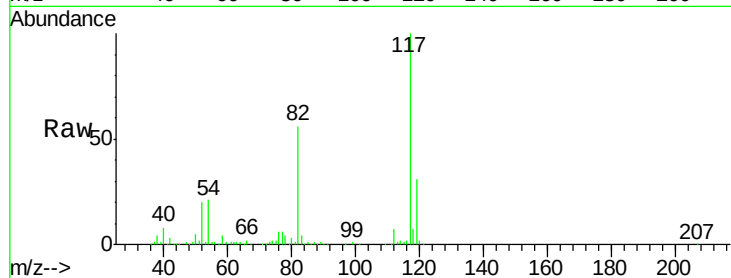
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.5	68.3
119	31.1	25.8	38.6

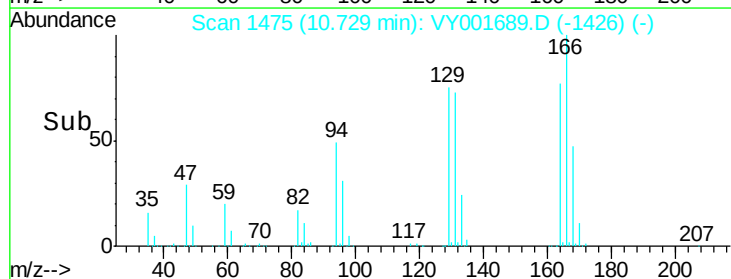
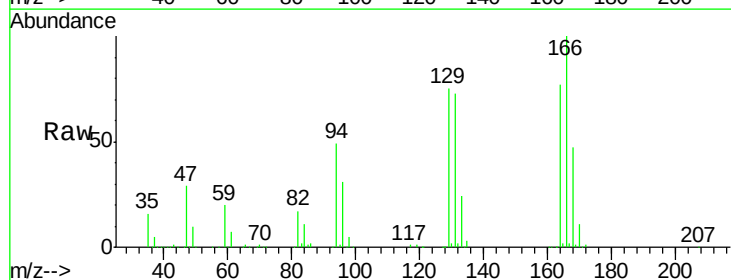
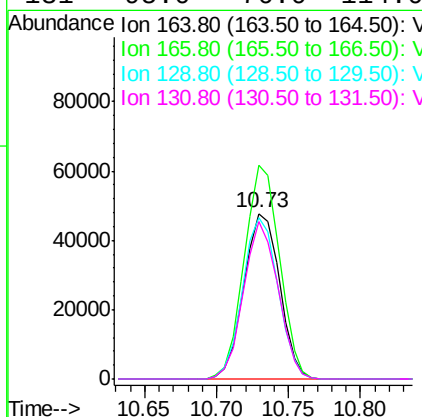
Manual Integrations
APPROVED

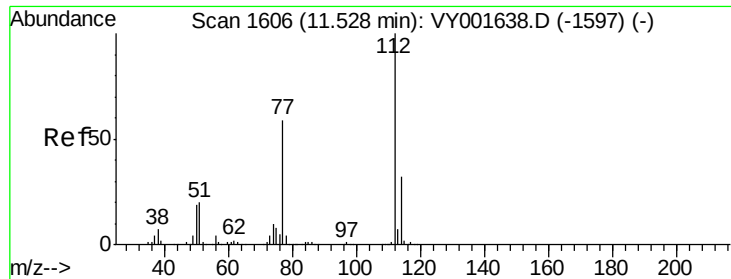
MMDadoda
2/20/2020 5:55:56 PM



#64
Tetrachloroethene
Concen: 47.746 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.4	152.0
129	97.4	78.7	118.1
131	95.0	76.0	114.0





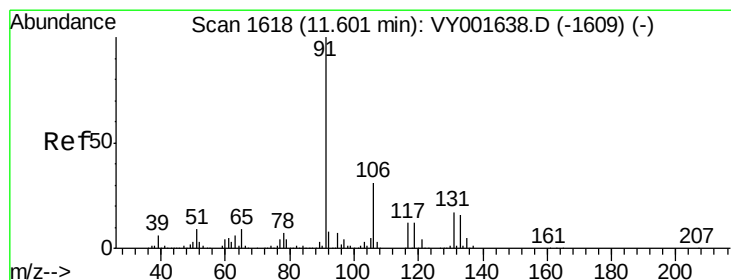
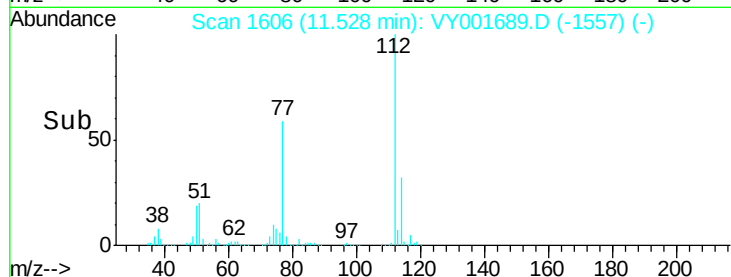
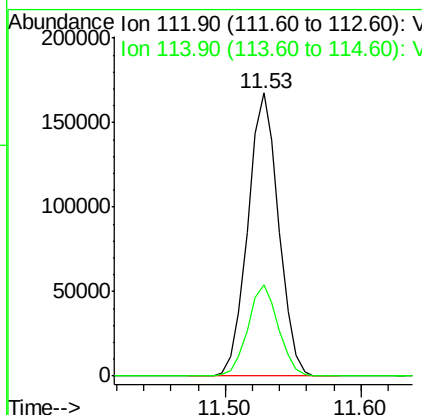
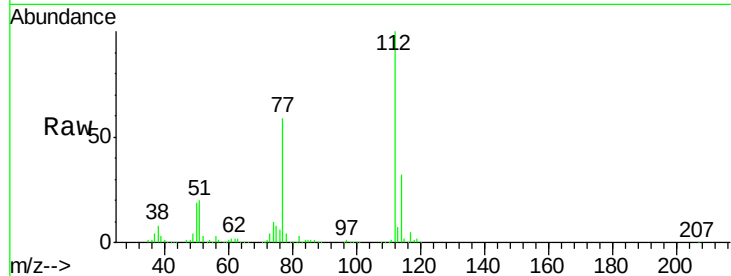
#65
Chlorobenzene
Concen: 48.531 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.2

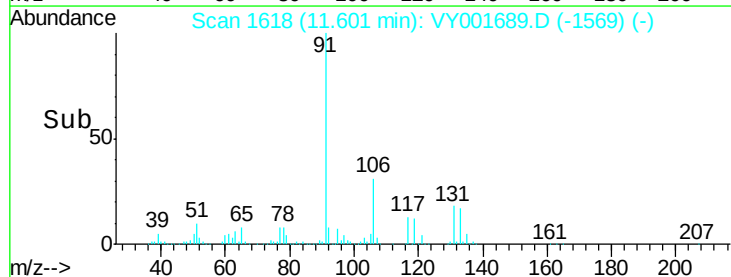
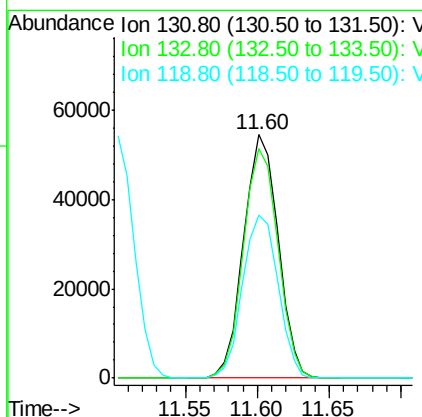
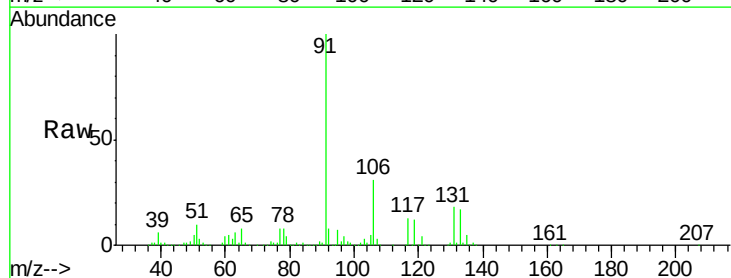
Manual Integrations
APPROVED

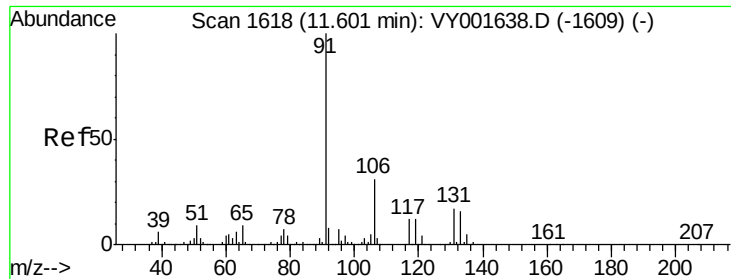
MMDadoda
2/20/2020 5:55:56 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.002 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.4	142.2
119	68.8	34.4	103.1





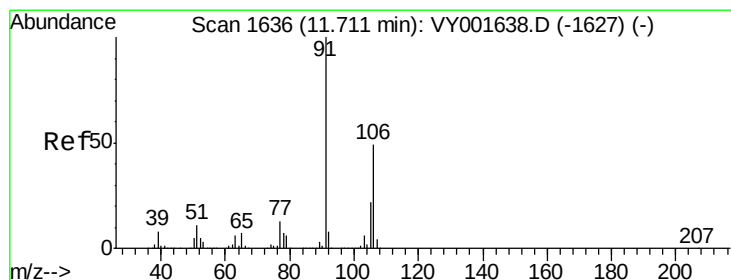
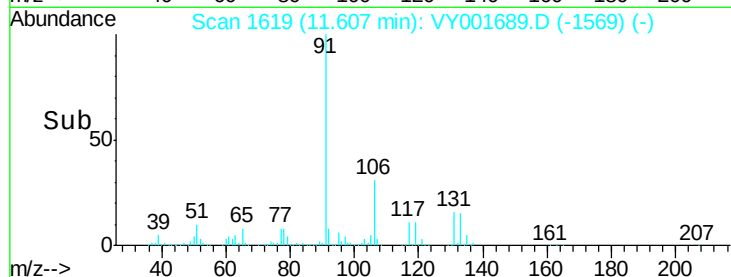
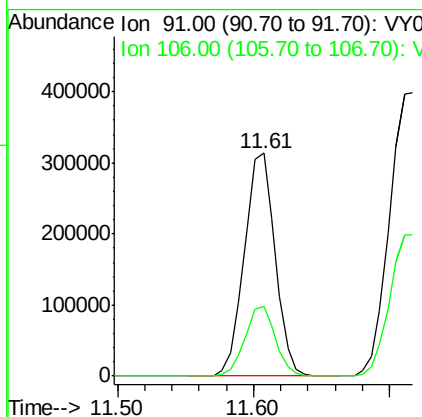
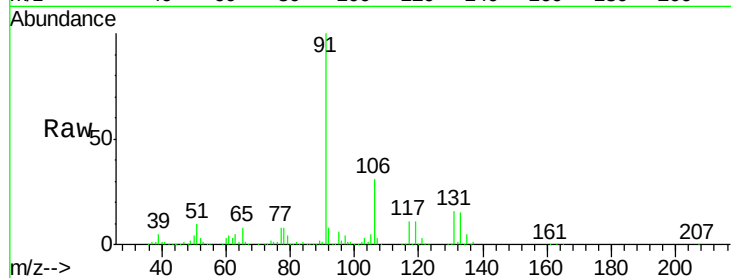
#67
Ethyl Benzene
Concen: 48.966 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 497658
Ion Ratio Lower Upper
91 100
106 31.1 24.5 36.7

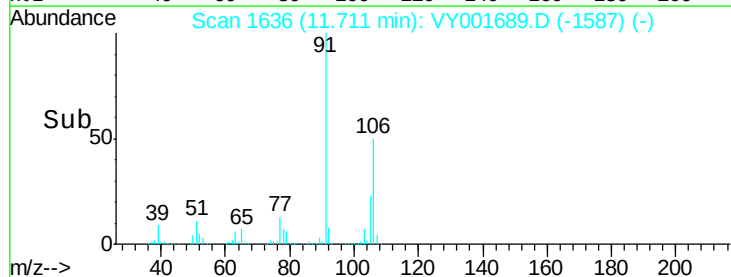
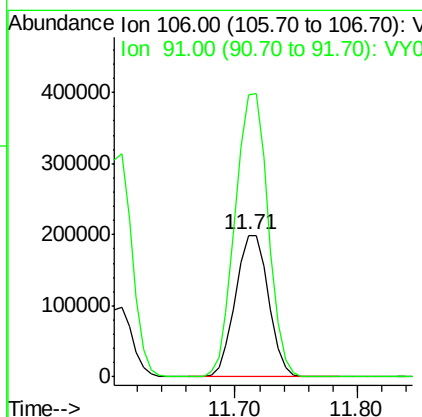
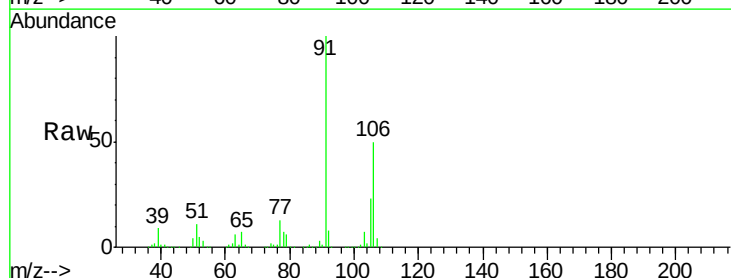
Manual Integrations
APPROVED

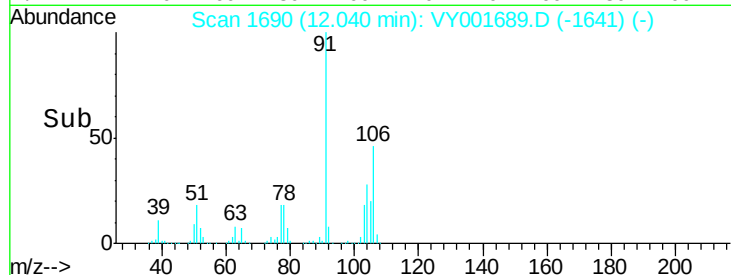
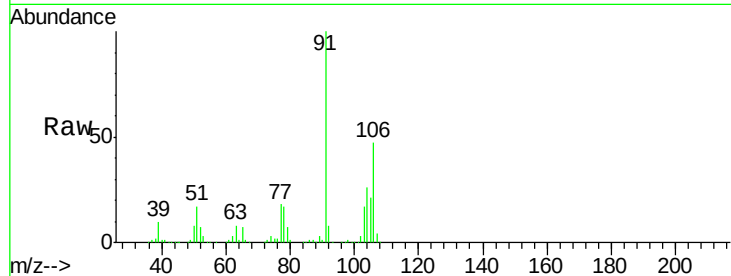
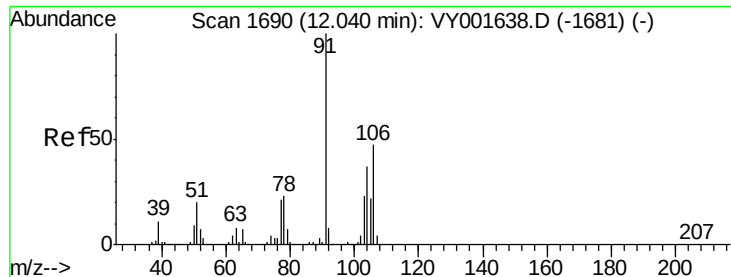
MMDadoda
2/20/2020 5:55:56 PM



#68
m/p-Xylenes
Concen: 98.145 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion: 106 Resp: 372601
Ion Ratio Lower Upper
106 100
91 200.4 163.3 244.9





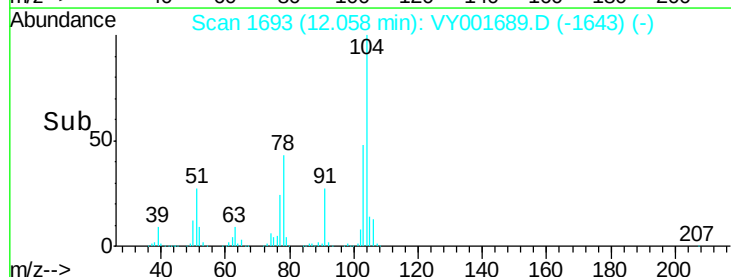
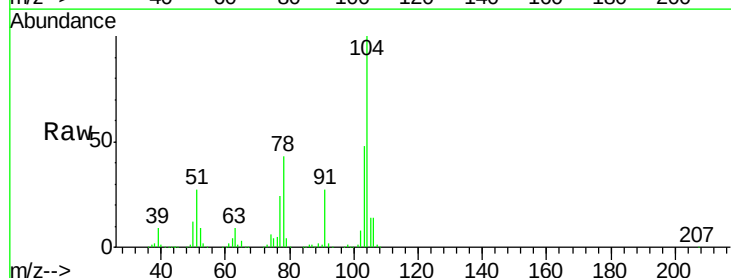
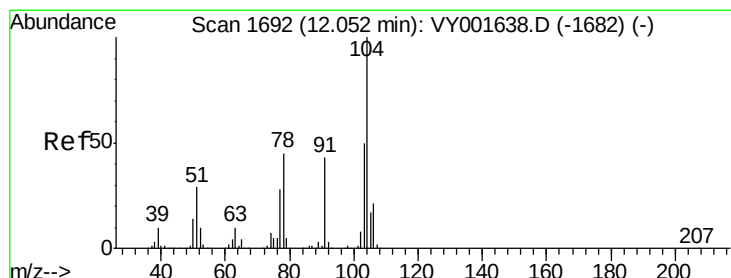
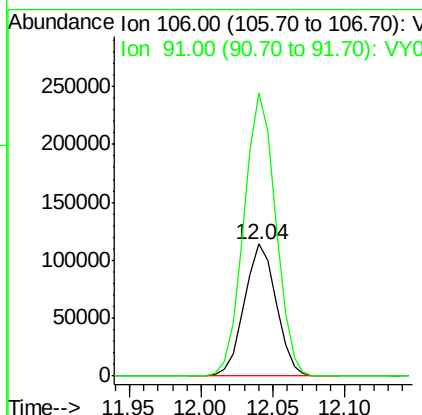
#69
o-Xylene
Concen: 48.418 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	174755		
91	213.3	108.3	324.9	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

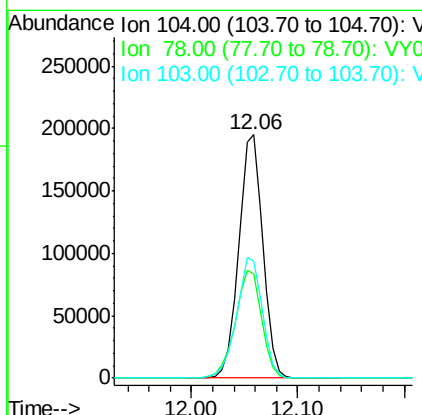
Manual Integrations
APPROVED

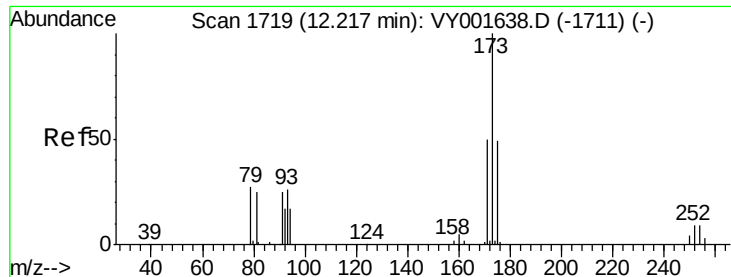
MMDadoda
2/20/2020 5:55:56 PM



#70
Styrene
Concen: 49.272 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	309065		
78	48.5	39.2	58.8	
103	53.1	43.0	64.6	





#71

Bromoform

Concen: 49.334 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 52085

Ion Ratio Lower Upper

173 100

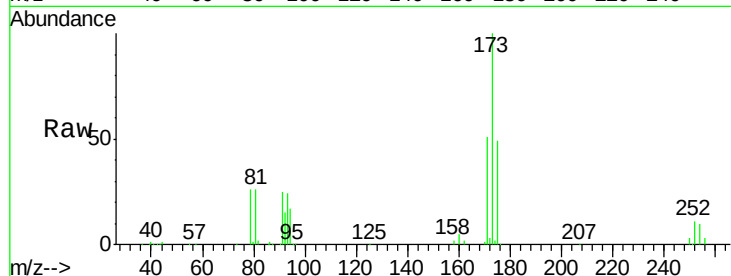
175 47.1 24.3 73.0

254 0.1 0.1 0.1#

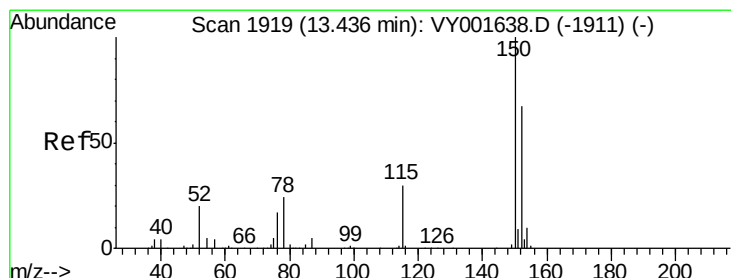
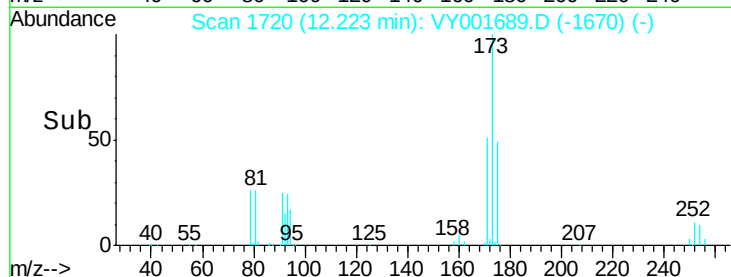
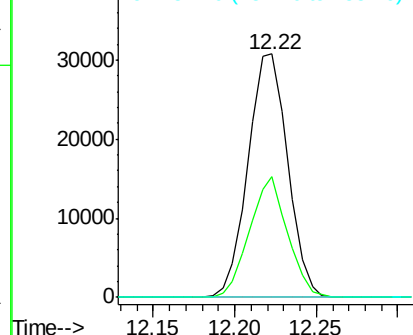
Manual Integrations
APPROVED

MMDadoda

2/20/2020 5:55:56 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

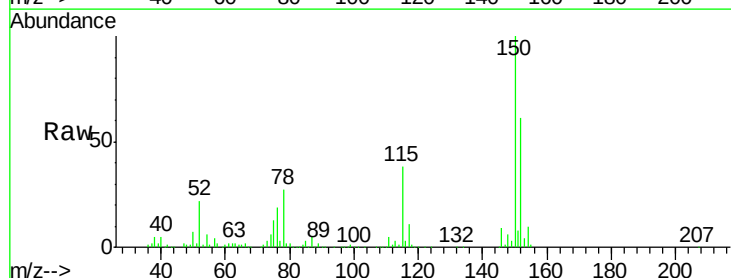
Tgt Ion:152 Resp: 129211

Ion Ratio Lower Upper

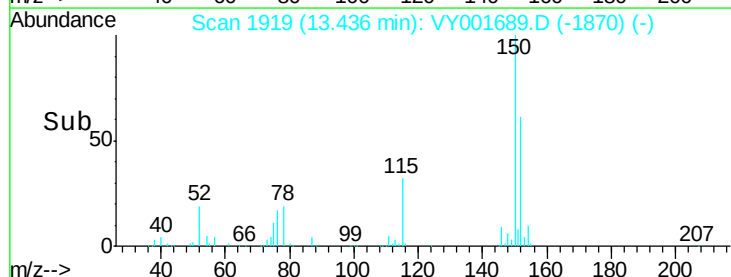
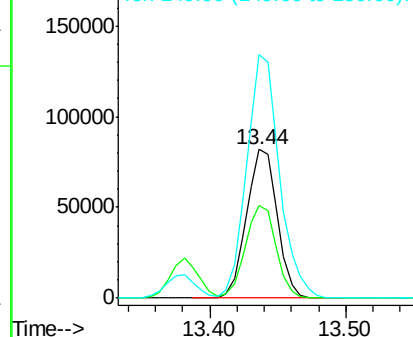
152 100

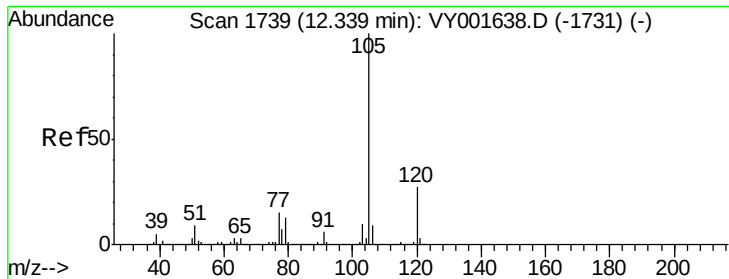
115 62.0 31.4 94.2

150 174.6 0.0 407.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.679 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 469335

Ion Ratio Lower Upper

105 100

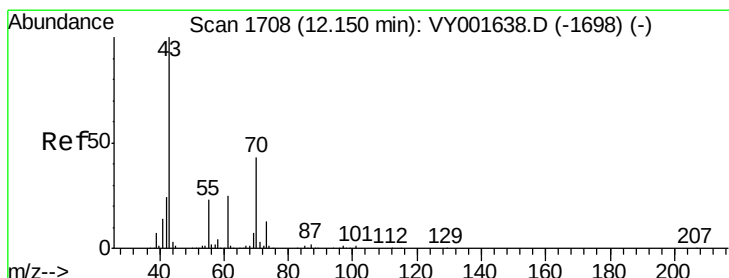
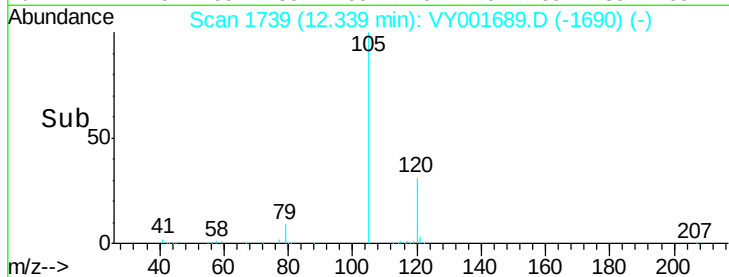
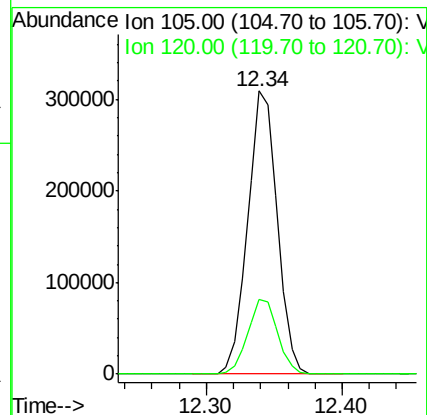
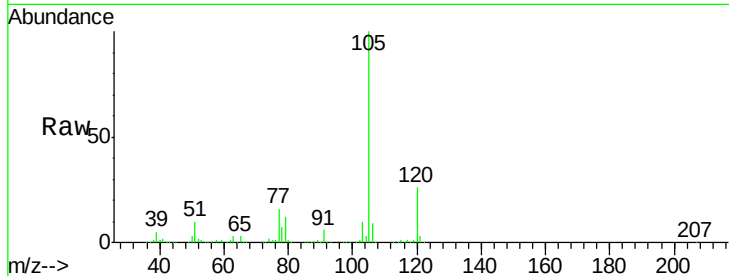
120 26.6 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

2/20/2020 5:55:56 PM



#74

N-ethyl acetate

Concen: 48.304 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Tgt Ion: 43 Resp: 151746

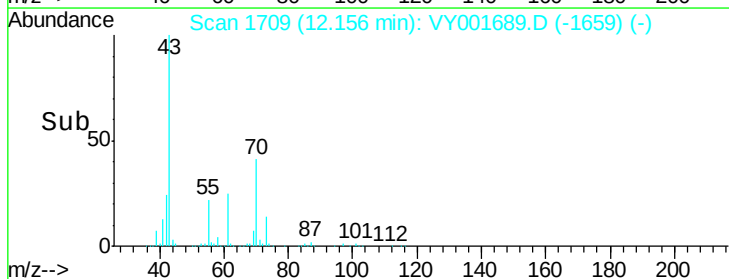
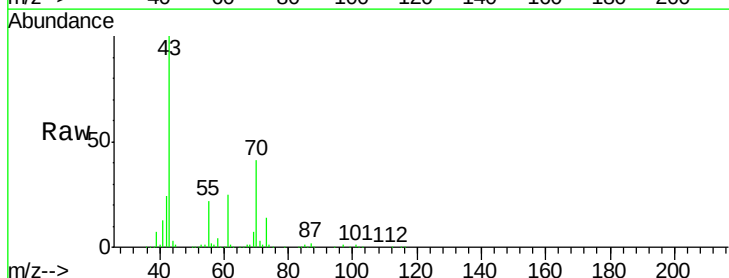
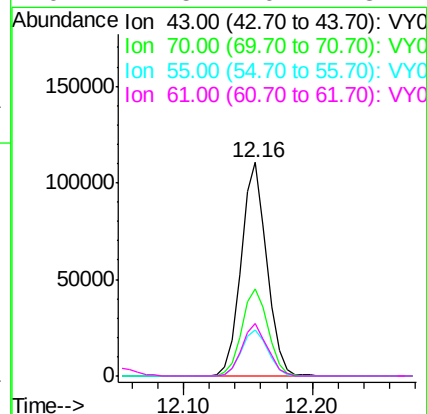
Ion Ratio Lower Upper

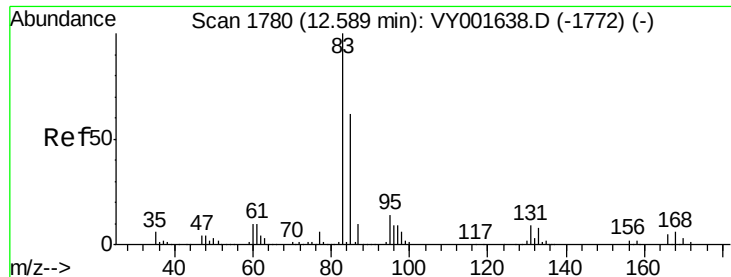
43 100

70 41.9 35.9 53.9

55 22.5 18.3 27.5

61 24.5 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.736 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

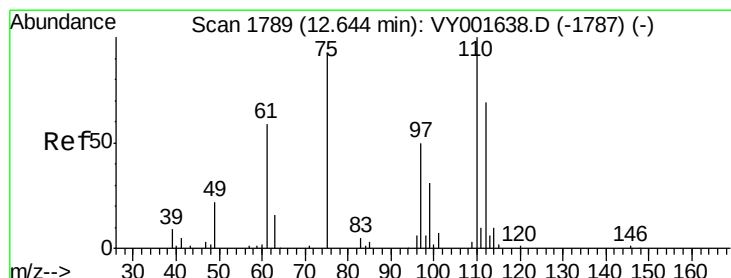
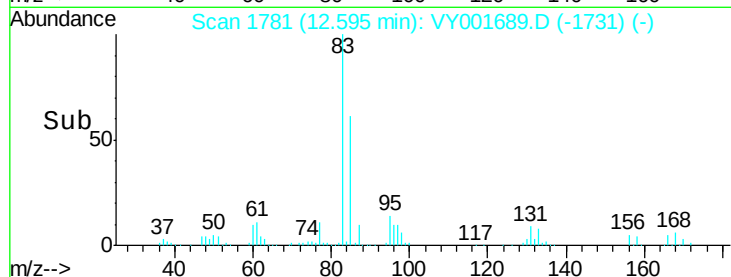
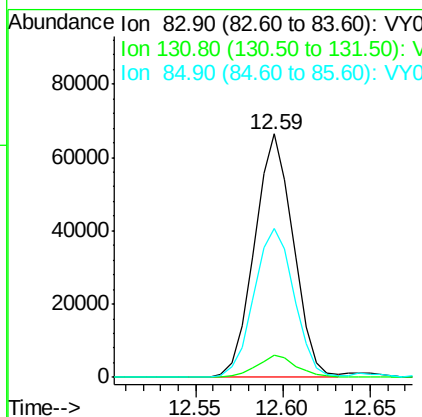
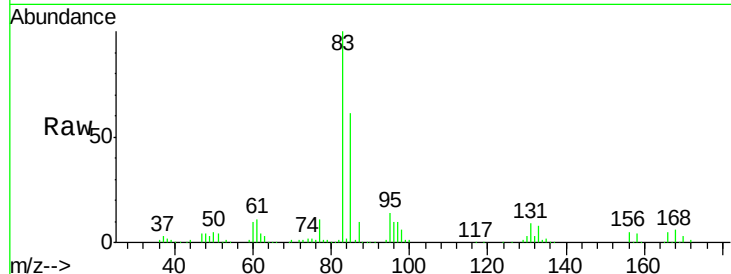
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	102434
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	63.3	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM



#76

1,2,3-Trichloropropane

Concen: 49.145 ug/l m

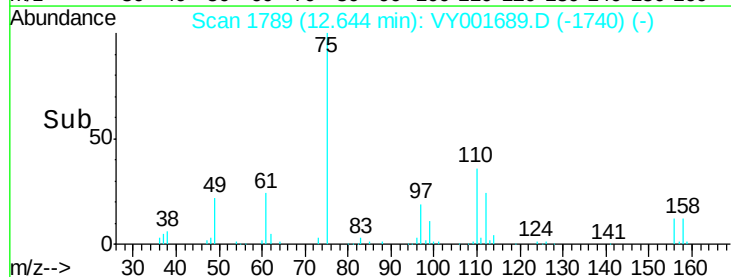
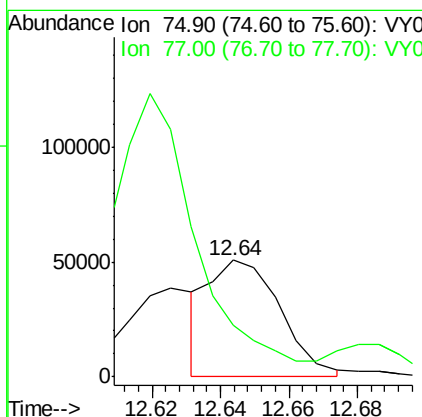
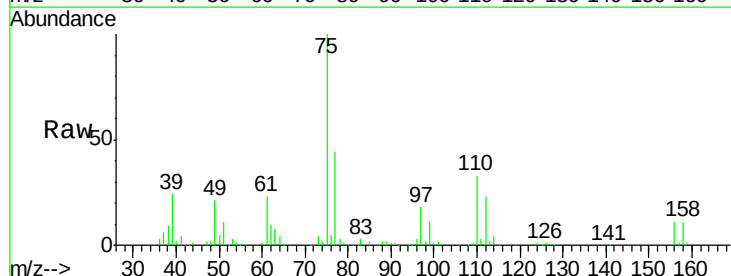
RT: 12.64 min Scan# 1789

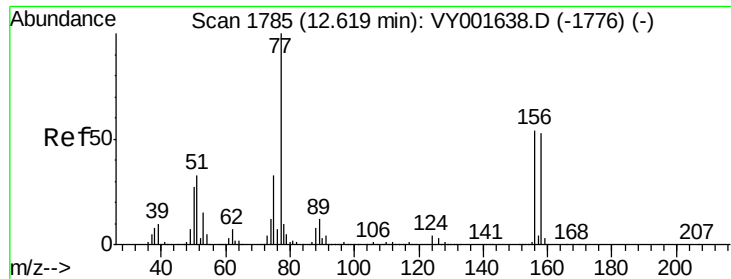
Delta R.T. 0.00 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Tgt Ion:	75	Resp:	72844
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.053 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

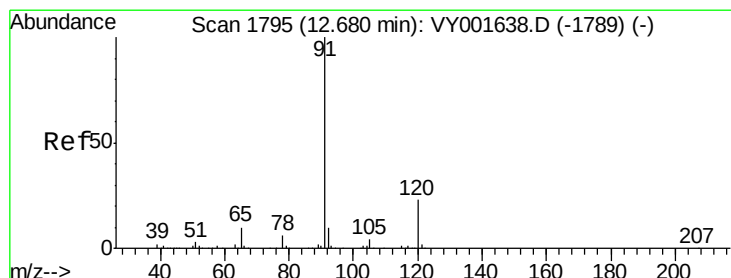
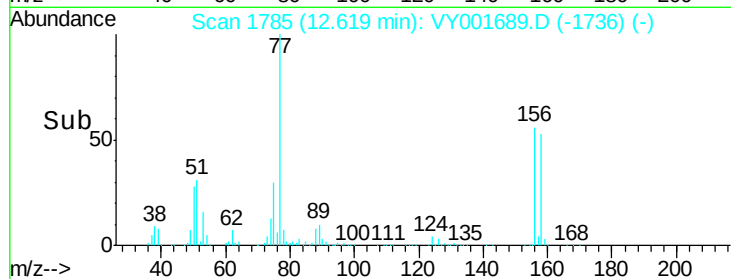
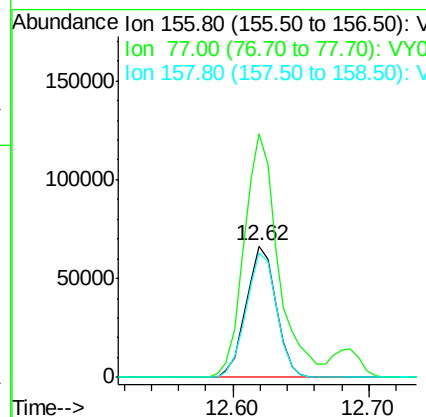
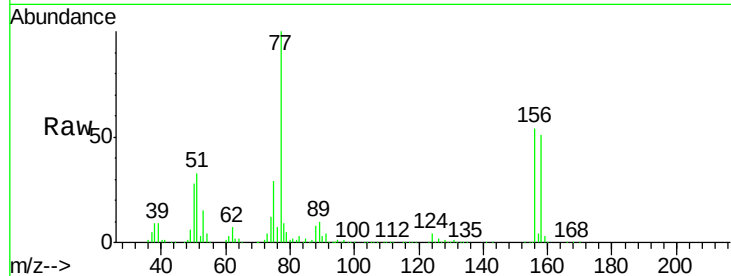
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	208.4	110.1	330.1
158	96.3	47.9	143.7

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM



#78

n-propylbenzene

Concen: 48.608 ug/l

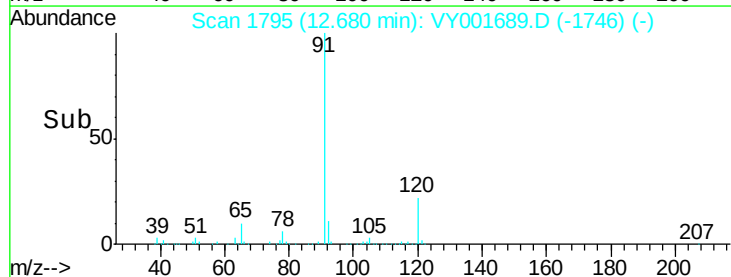
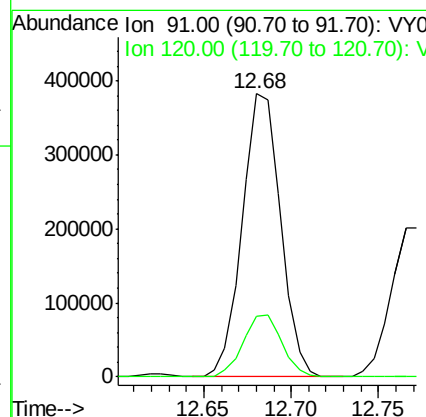
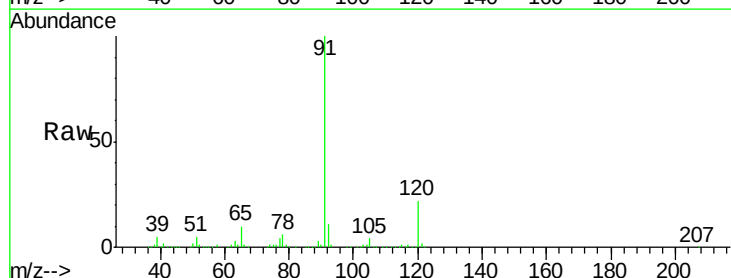
RT: 12.68 min Scan# 1795

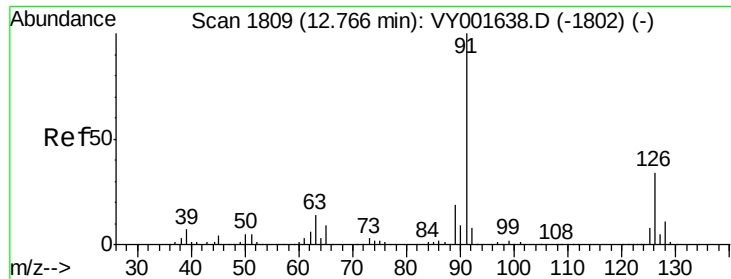
Delta R.T. 0.00 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 47.572 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 319874

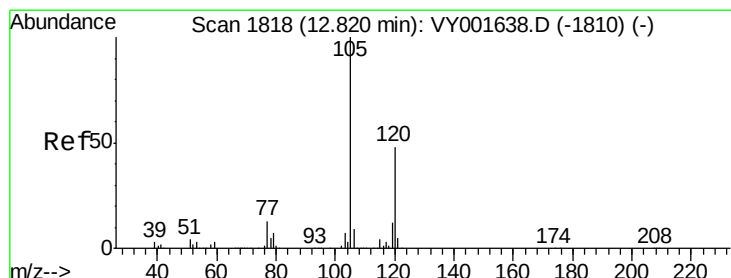
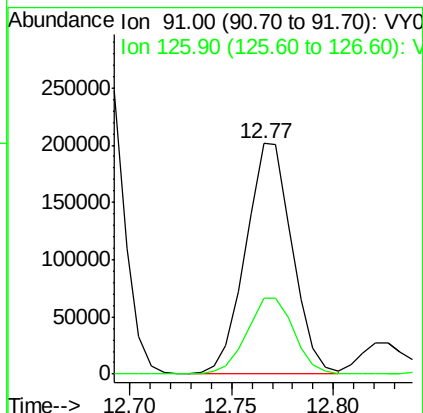
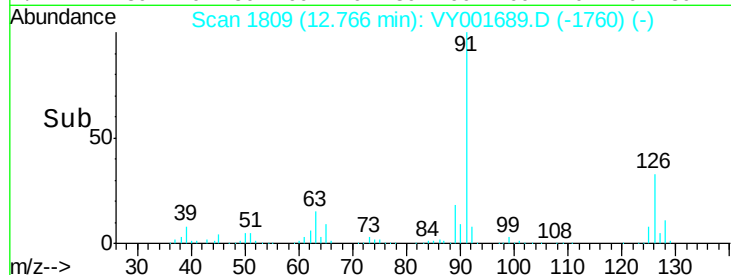
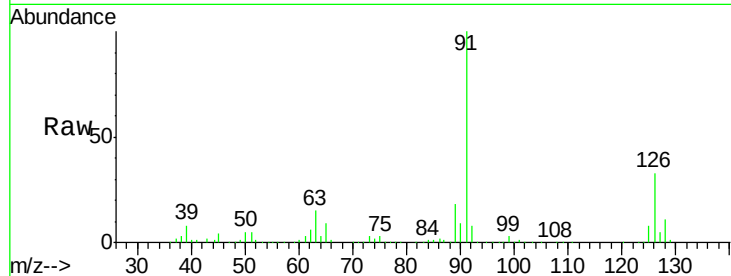
Ion Ratio Lower Upper

91 100

126 33.3 16.2 48.6

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM



#80

1,3,5-Trimethylbenzene

Concen: 48.179 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001689.D

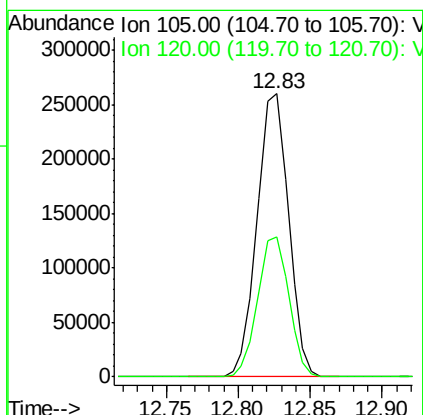
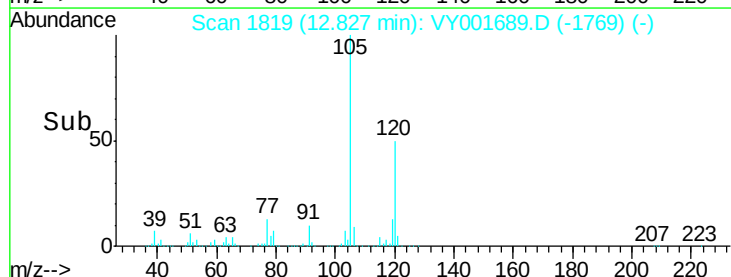
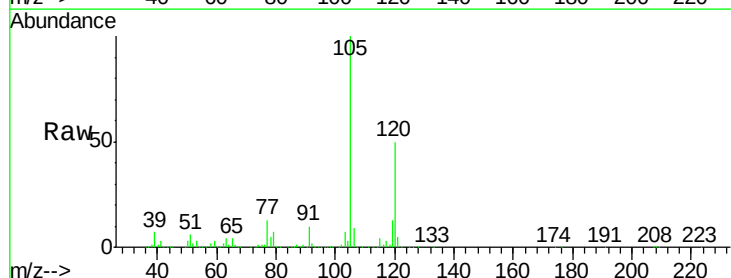
Acq: 19 Feb 2020 10:09

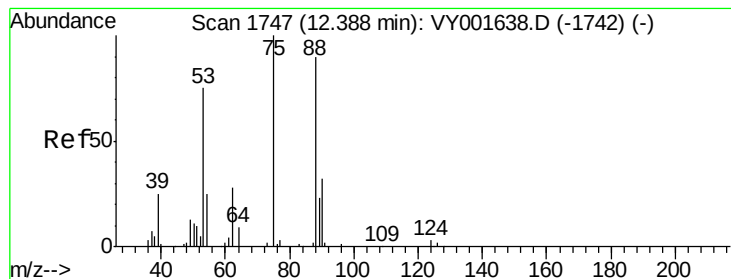
Tgt Ion: 105 Resp: 392582

Ion Ratio Lower Upper

105 100

120 49.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 49.863 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Instrument :

MSVOA_Y

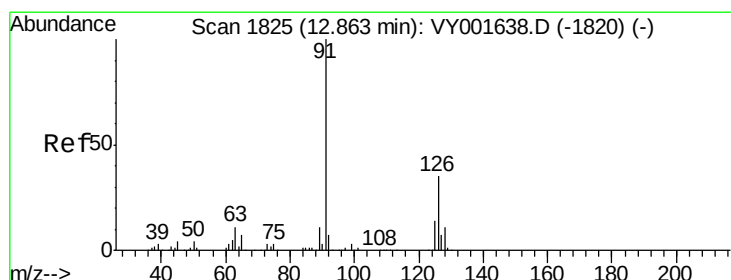
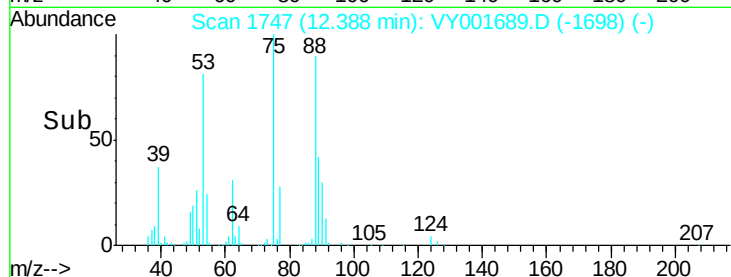
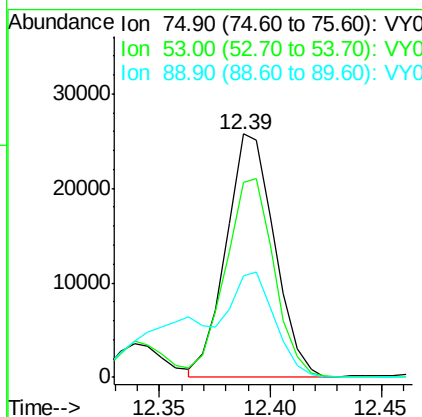
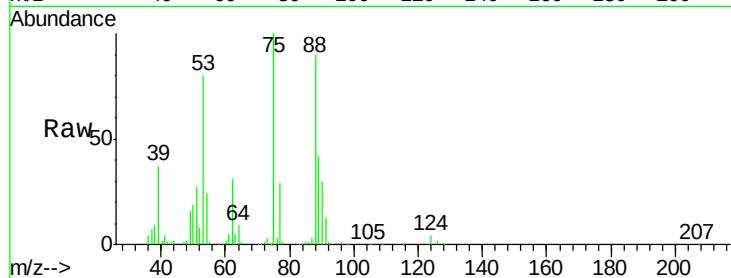
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	38957
Ion Ratio	Lower	Upper	
75	100		
53	81.9	64.5	96.7
89	39.3	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM



#82

4-Chlorotoluene

Concen: 48.066 ug/l

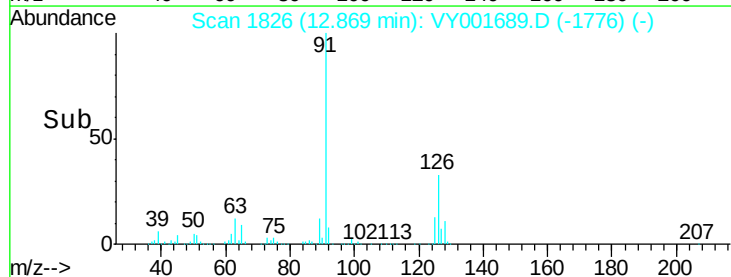
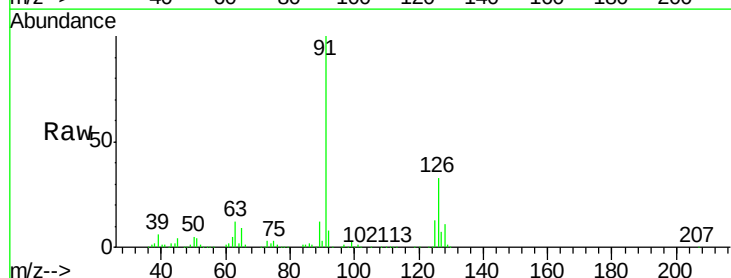
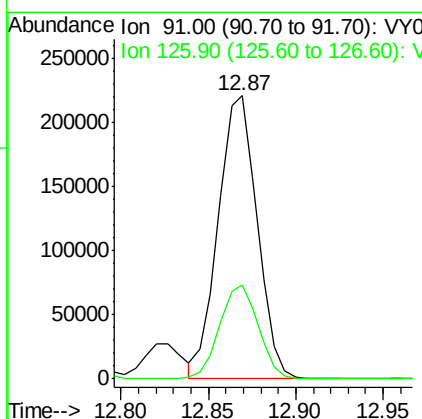
RT: 12.87 min Scan# 1826

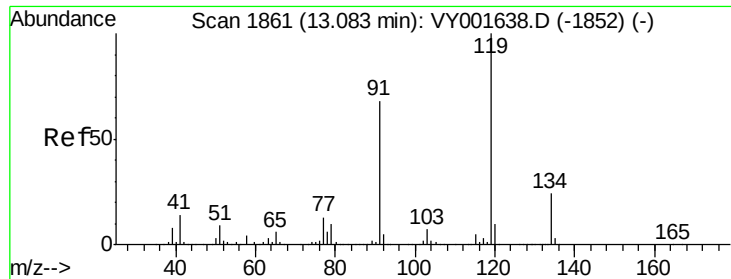
Delta R.T. 0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Tgt Ion:	91	Resp:	340867
Ion Ratio	Lower	Upper	
91	100		
126	33.0	16.2	48.6





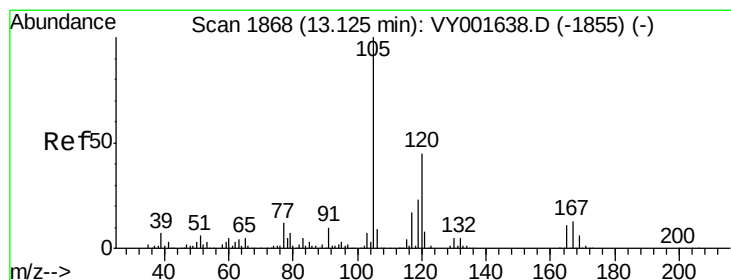
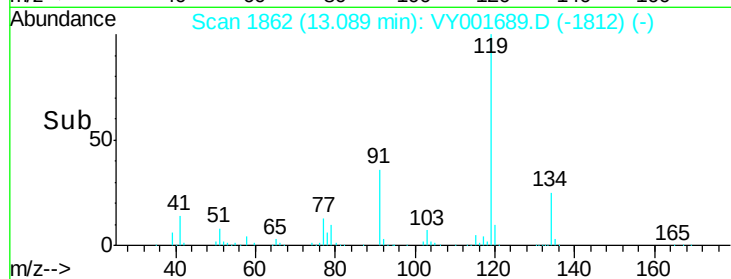
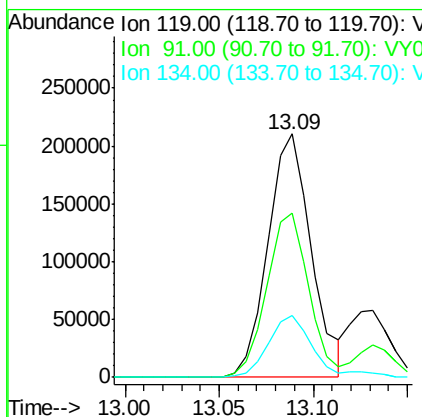
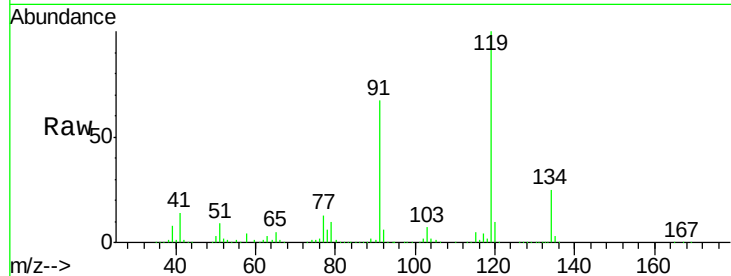
#83
tert-Butylbenzene
Concen: 49.245 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	335605		
91	65.2	33.5	100.5	
134	26.3	13.3	39.8	

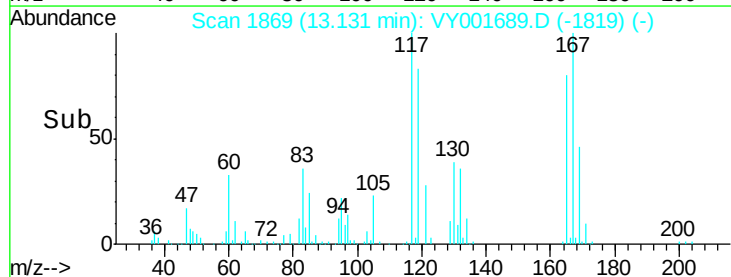
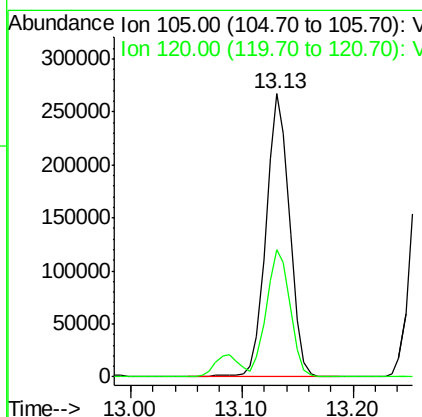
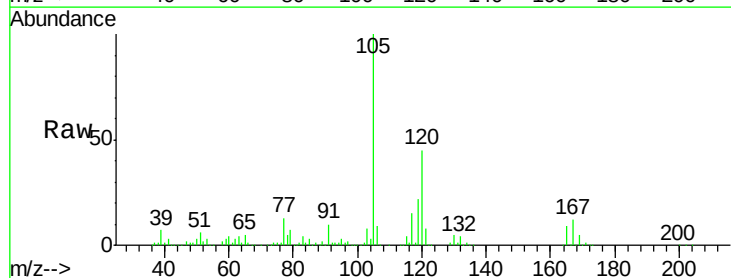
Manual Integrations
APPROVED

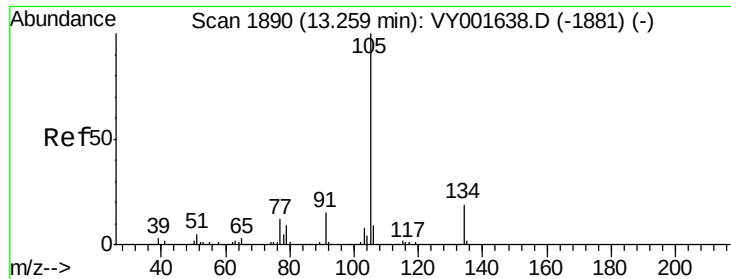
MMDadoda
2/20/2020 5:55:56 PM



#84
1,2,4-Trimethylbenzene
Concen: 48.306 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	392418		
120	45.2	22.4	67.3	





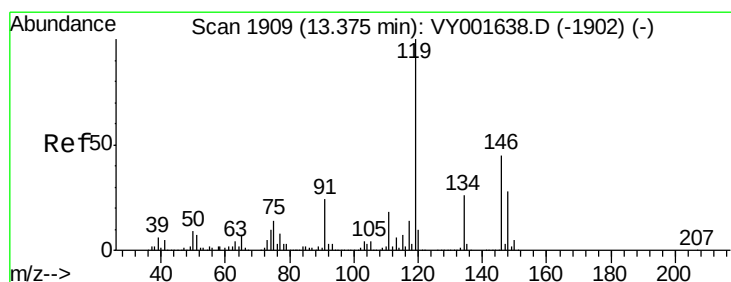
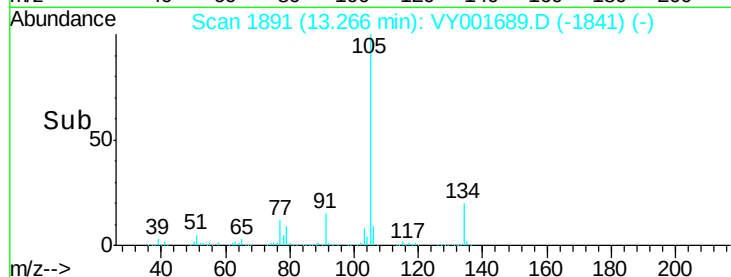
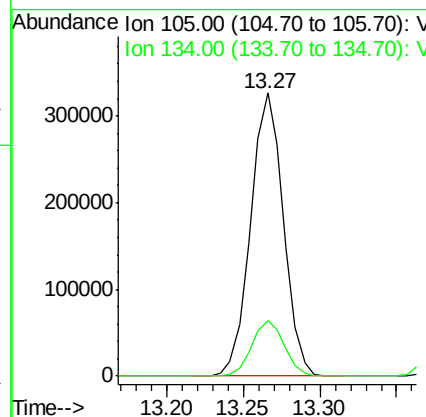
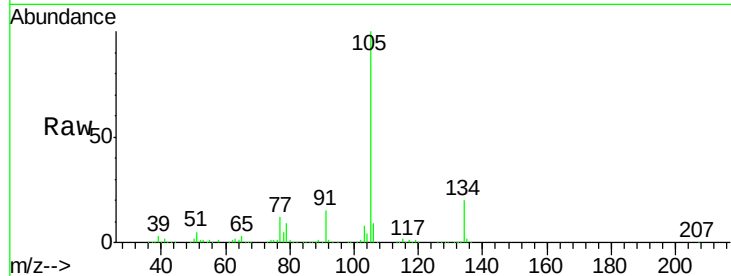
#85
 sec-Butylbenzene
 Concen: 48.336 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.3

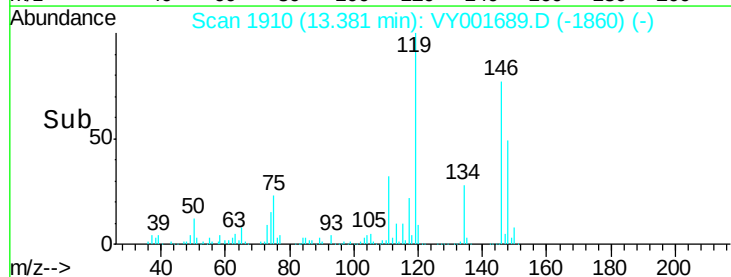
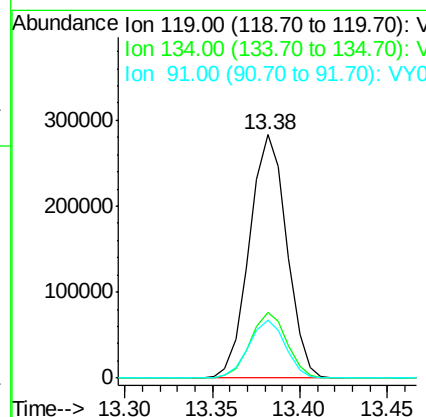
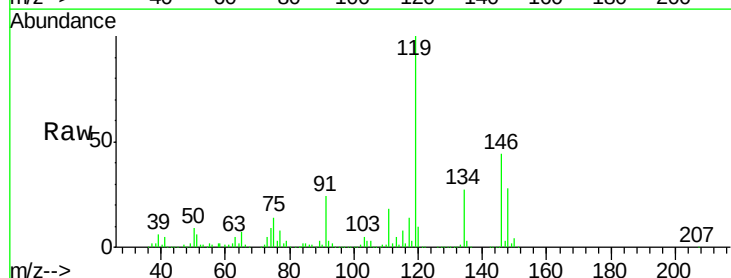
Manual Integrations
 APPROVED

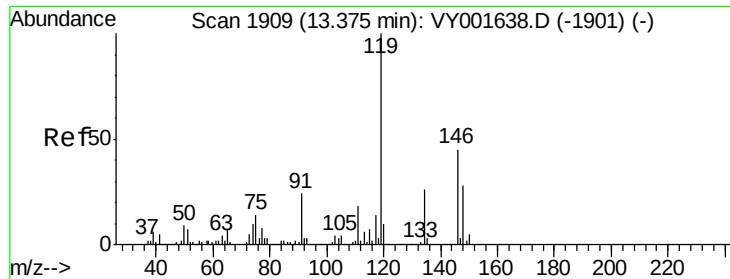
MMDadoda
 2/20/2020 5:55:56 PM



#86
 p-Isopropyltoluene
 Concen: 48.305 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.0	39.0
91	23.4	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 48.016 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

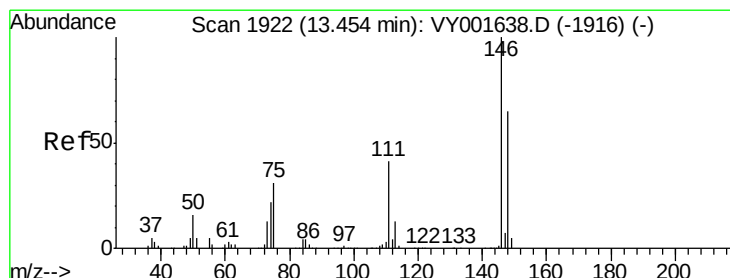
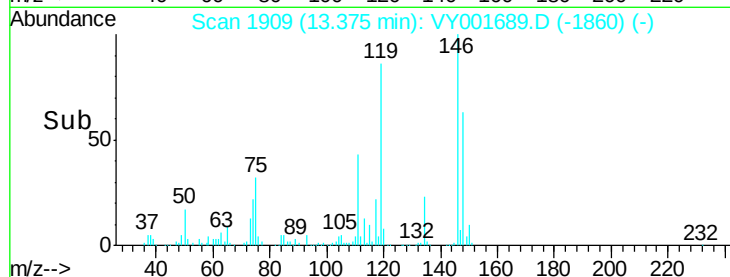
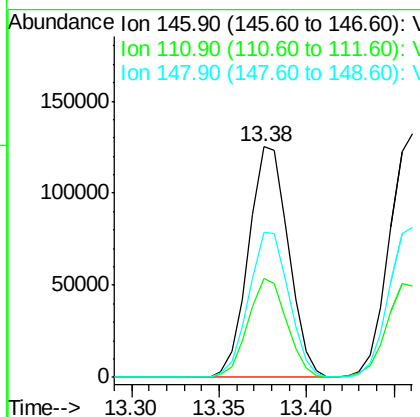
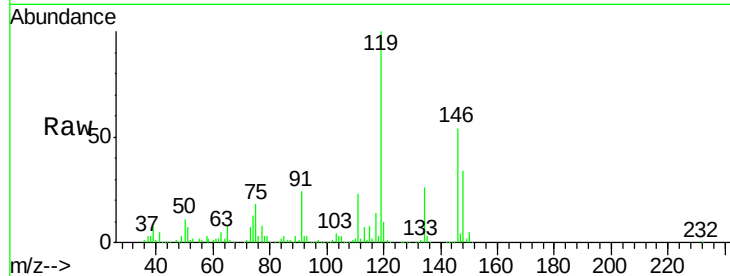
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	198711		
111	41.7	21.4	64.3	
148	63.3	31.6	94.7	

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM



#88

1,4-Dichlorobenzene

Concen: 47.768 ug/l

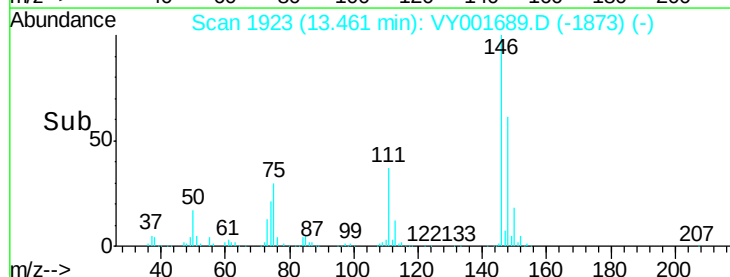
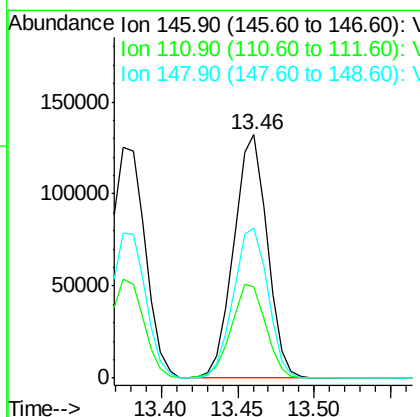
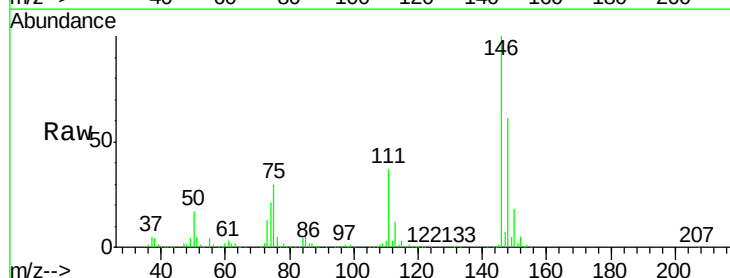
RT: 13.46 min Scan# 1923

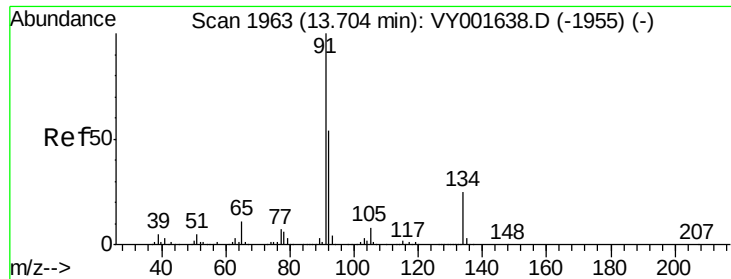
Delta R.T. 0.01 min

Lab File: VY001689.D

Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	199828		
111	39.7	20.4	61.3	
148	63.9	31.6	94.7	





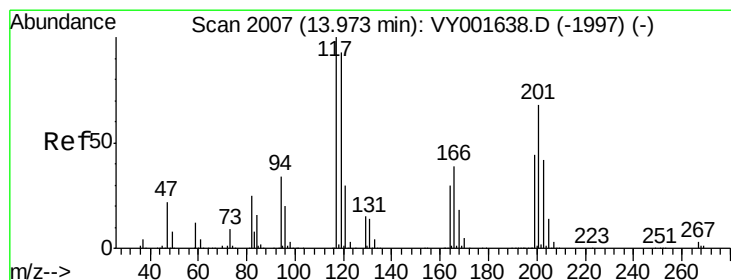
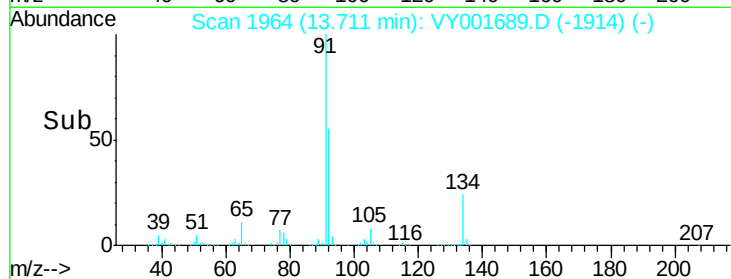
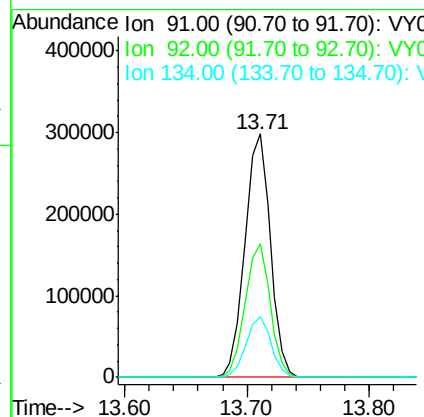
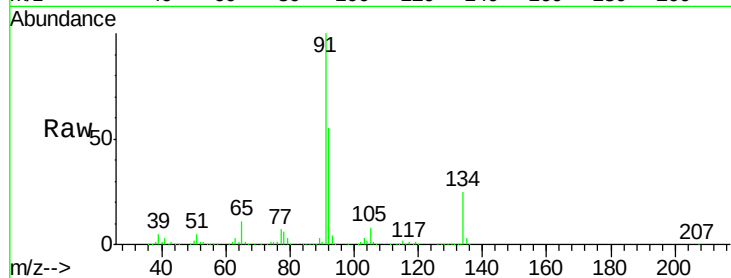
#89
n-Butylbenzene
Concen: 48.141 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.5	82.4
134	24.6	12.4	37.4

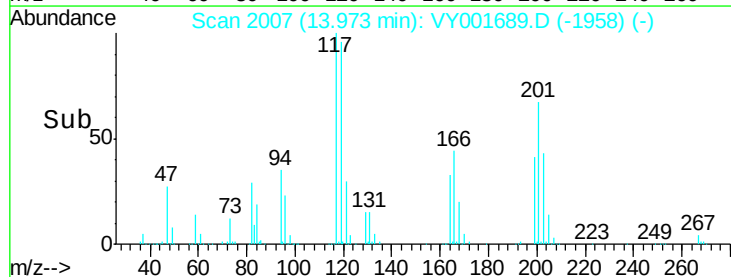
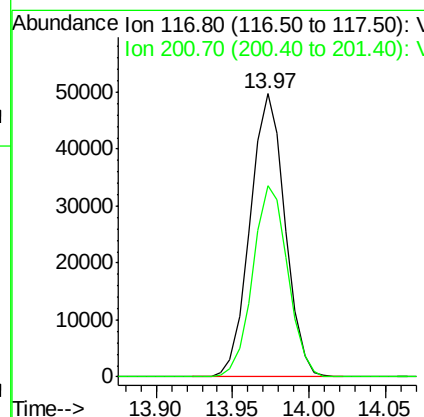
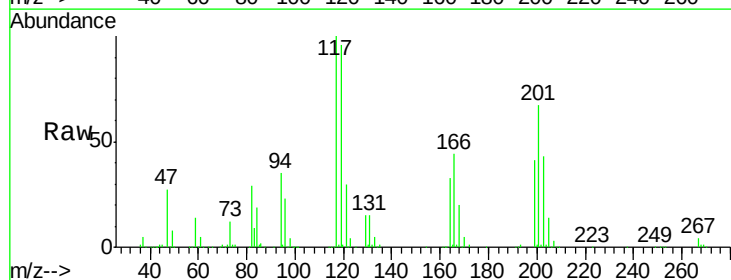
Manual Integrations
APPROVED

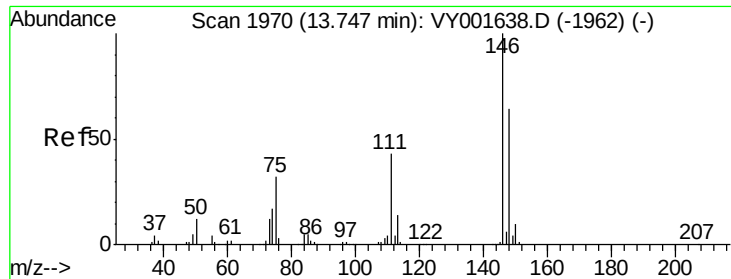
MMDadoda
2/20/2020 5:55:56 PM



#90
Hexachloroethane
Concen: 48.046 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.8	32.5	97.4





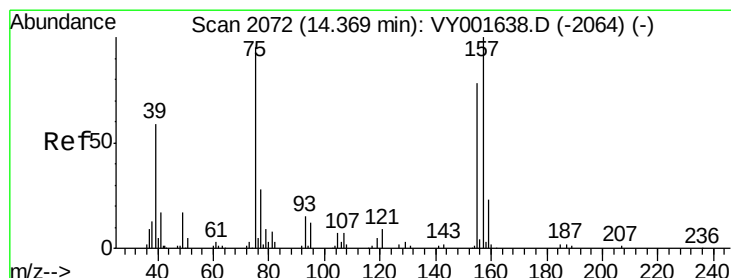
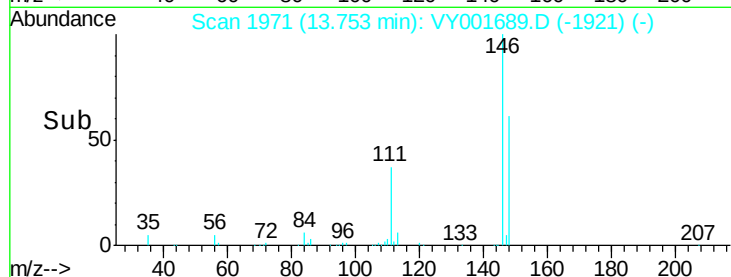
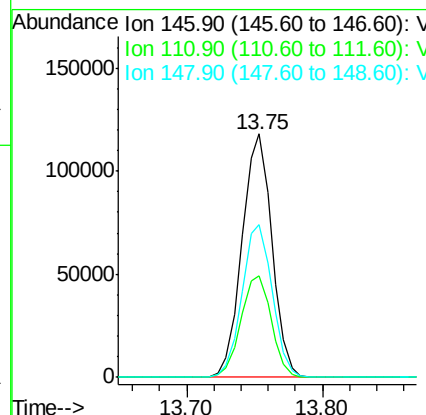
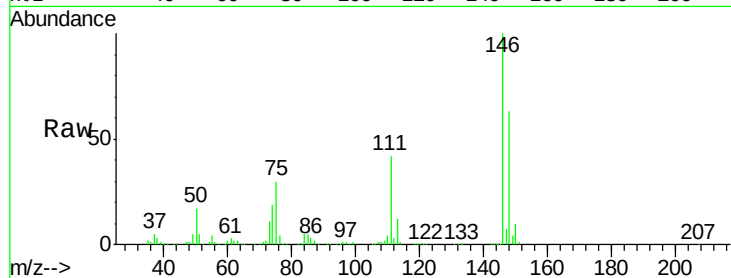
#91
 1,2-Dichlorobenzene
 Concen: 47.400 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.7
148	63.7	31.5	94.5

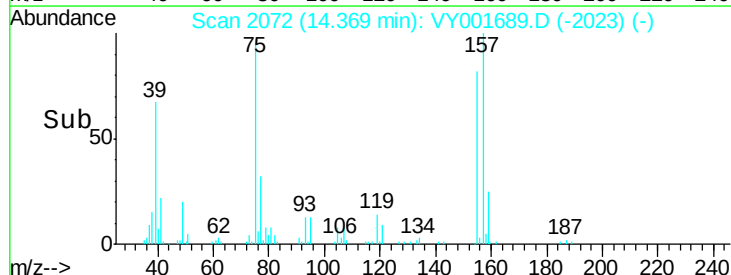
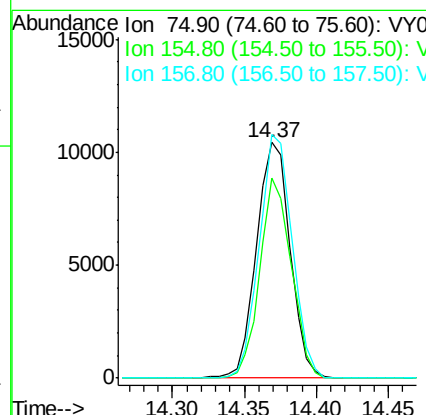
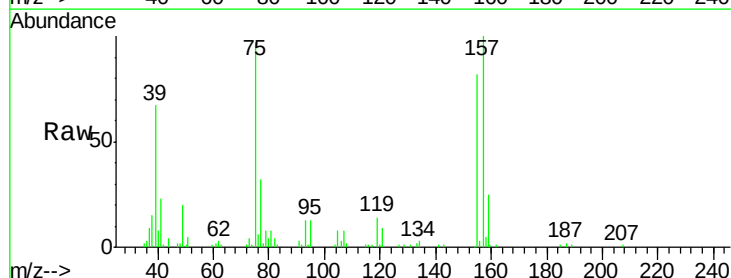
Manual Integrations
 APPROVED

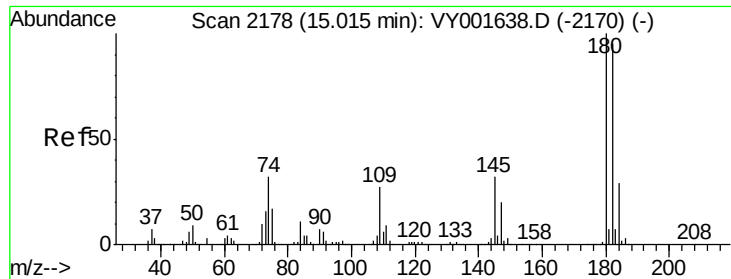
MMDadoda
 2/20/2020 5:55:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.286 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001689.D
 Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.5	40.8	122.4
157	101.2	52.1	156.4





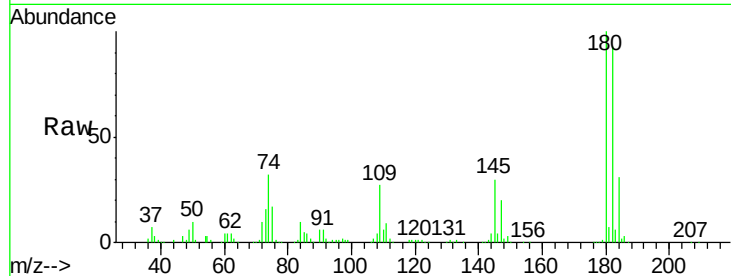
#93
1,2,4-Trichlorobenzene
Concen: 45.656 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115551		
182	93.8	46.8	140.3	
145	30.4	16.2	48.5	

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM

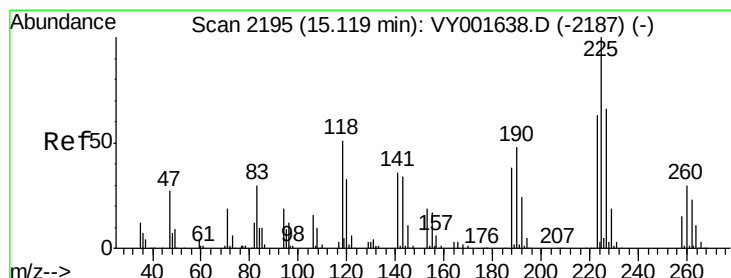
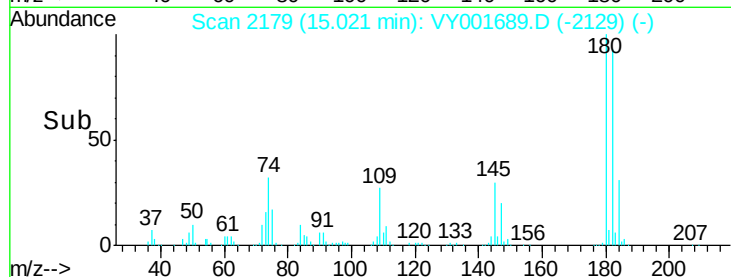
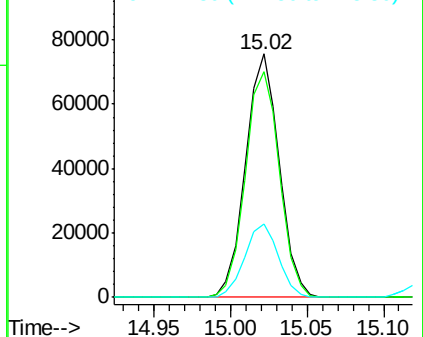


Abundance

Ion 179.80 (179.50 to 180.50): V

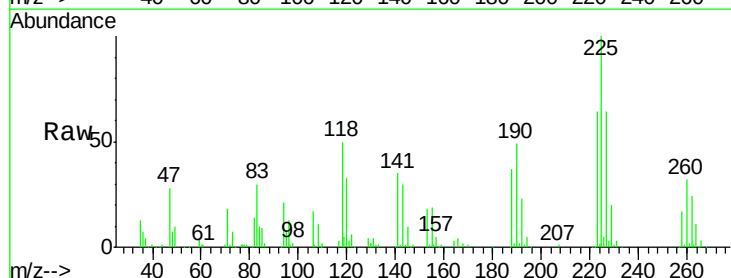
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 45.007 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56649		
223	63.5	31.4	94.0	
227	64.1	31.6	94.8	

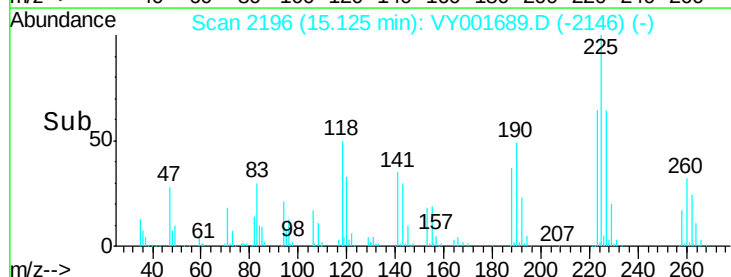
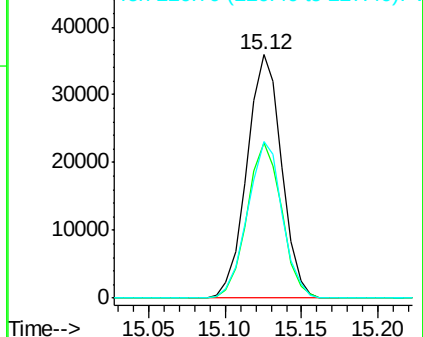


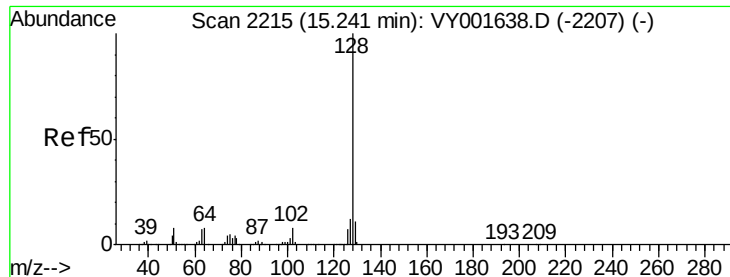
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





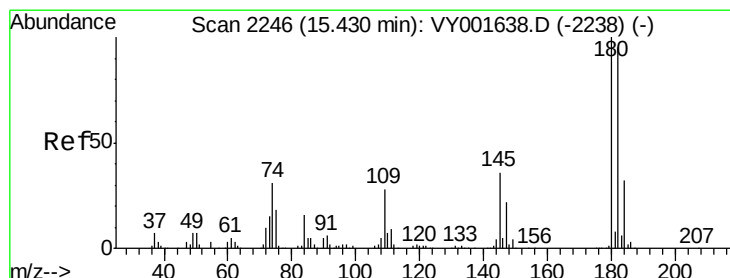
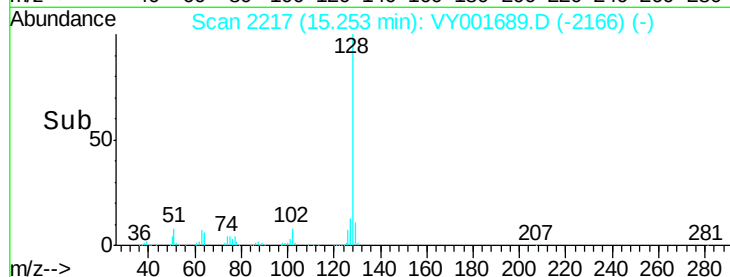
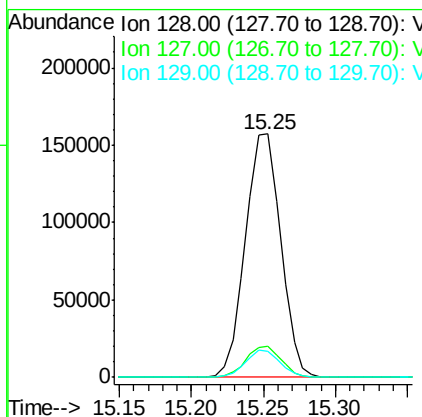
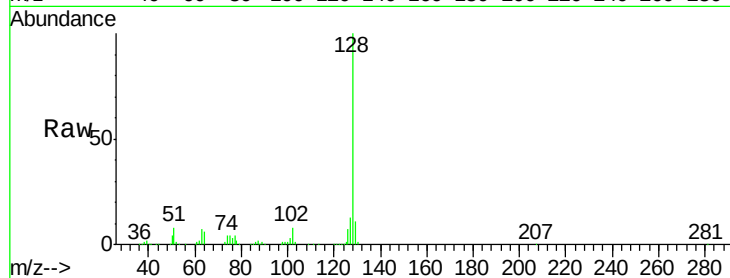
#95
Naphthalene
Concen: 45.891 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	267798
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.9	14.9
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:55:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 44.945 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY001689.D
Acq: 19 Feb 2020 10:09

Tgt Ion:	180	Resp:	100076
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.2	141.6
145	33.0	17.3	52.0

