

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000015.D
 Acq On : 11 Sep 2019 21:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:46 PM

Quant Time: Sep 19 11:46:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:25:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	142643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	267793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	237662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	102895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	80052	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
35) Dibromofluoromethane	7.72	113	78286	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	10.18	98	322172	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.48	95	110963	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	51584	53.743	ug/l	98
3) Chloromethane	2.11	50	70545	50.031	ug/l	95
4) Vinyl Chloride	2.25	62	82319	49.791	ug/l	100
5) Bromomethane	2.64	94	49912	51.742	ug/l	97
6) Chloroethane	2.79	64	55174	50.614	ug/l	98
7) Trichlorofluoromethane	3.12	101	106572	52.339	ug/l	98
8) Diethyl Ether	3.53	74	44927	56.256	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.89	101	74447	54.617	ug/l	99
10) Methyl Iodide	4.09	142	86172	54.326	ug/l	99
11) Tert butyl alcohol	4.97	59	51213	294.476	ug/l	99
12) 1,1-Dichloroethene	3.87	96	66680	50.541	ug/l	96
13) Acrolein	3.73	56	36409	298.980	ug/l	98
14) Allyl chloride	4.48	41	105050	52.340	ug/l	98
15) Acrylonitrile	5.17	53	148130	282.713	ug/l	97
16) Acetone	3.95	43	102128	253.131	ug/l	99
17) Carbon Disulfide	4.19	76	133882	53.554	ug/l	97
18) Methyl Acetate	4.48	43	64763	60.857	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	213708	57.503	ug/l	94
20) Methylene Chloride	4.71	84	85208	57.946	ug/l	94
21) trans-1,2-Dichloroethene	5.21	96	75119	52.841	ug/l	97
22) Diisopropyl ether	6.12	45	239000	54.774	ug/l	95
23) Vinyl Acetate	6.06	43	819563	277.063	ug/l	99
24) 1,1-Dichloroethane	6.02	63	143444	54.883	ug/l	98
25) 2-Butanone	6.99	43	173989	273.115	ug/l	99
26) 2,2-Dichloropropane	6.98	77	111959	50.098	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	96350	54.022	ug/l	99
28) Bromochloromethane	7.34	49	66979	55.620	ug/l	98
29) Tetrahydrofuran	7.35	42	110356	277.288	ug/l	98
30) Chloroform	7.51	83	142338	53.804	ug/l	97
31) Cyclohexane	7.78	56	108400	54.702	ug/l	99
32) 1,1,1-Trichloroethane	7.70	97	116300	53.260	ug/l	99
36) 1,1-Dichloropropene	7.92	75	98057	50.656	ug/l	99
37) Ethyl Acetate	7.08	43	72497	54.762	ug/l	99
38) Carbon Tetrachloride	7.90	117	95853	51.580	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000015.D
 Acq On : 11 Sep 2019 21:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:46 PM

Quant Time: Sep 19 11:46:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:25:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	123324	51.676	ug/l	97
40) Benzene	8.16	78	333396	53.560	ug/l	96
41) Methacrylonitrile	7.33	41	41501m	52.300	ug/l	
42) 1,2-Dichloroethane	8.24	62	86549	53.329	ug/l	98
43) Isopropyl Acetate	8.27	43	135529	55.693	ug/l	98
44) Trichloroethene	8.93	130	84767	52.930	ug/l	98
45) 1,2-Dichloropropane	9.21	63	86031	53.843	ug/l	100
46) Dibromomethane	9.31	93	47974	55.486	ug/l	95
47) Bromodichloromethane	9.49	83	114407	55.245	ug/l	93
48) Methyl methacrylate	9.29	41	60347	56.137	ug/l	97
49) 1,4-Dioxane	9.30	88	19040	1120.327	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	382241	285.344	ug/l	99
52) Toluene	10.24	92	212829	54.309	ug/l	97
53) t-1,3-Dichloropropene	10.46	75	118183	54.325	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	136553	53.768	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	75599	56.414	ug/l	97
56) Ethyl methacrylate	10.51	69	110456	57.254	ug/l	98
57) 1,3-Dichloropropane	10.79	76	122957	55.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	280335	281.661	ug/l	99
59) 2-Hexanone	10.83	43	264274	277.077	ug/l	99
60) Dibromochloromethane	10.98	129	79907	55.951	ug/l	98
61) 1,2-Dibromoethane	11.09	107	66374	53.843	ug/l	94
64) Tetrachloroethene	10.71	164	74668	51.392	ug/l	94
65) Chlorobenzene	11.51	112	233573	53.168	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	78875	53.066	ug/l	97
67) Ethyl Benzene	11.59	91	412151	51.347	ug/l	99
68) m/p-Xylenes	11.69	106	312918	102.636	ug/l	99
69) o-Xylene	12.02	106	153713	52.423	ug/l	99
70) Styrene	12.04	104	270271	52.938	ug/l	99
71) Bromoform	12.20	173	48988	54.402	ug/l #	100
73) Isopropylbenzene	12.32	105	400075	51.424	ug/l	98
74) N-amyl acetate	12.14	43	122559	56.761	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	96819	54.018	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	64410m	53.046	ug/l	
77) Bromobenzene	12.60	156	87229	52.604	ug/l	99
78) n-propylbenzene	12.66	91	480525	51.035	ug/l	99
79) 2-Chlorotoluene	12.75	91	267184	51.148	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	334721	52.040	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	37561	53.546	ug/l	96
82) 4-Chlorotoluene	12.85	91	286719	52.553	ug/l	100
83) tert-Butylbenzene	13.07	119	283664	51.838	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	327557	52.062	ug/l	98
85) sec-Butylbenzene	13.24	105	417581	51.192	ug/l	100
86) p-Isopropyltoluene	13.36	119	349216	50.900	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	170843	53.405	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	169402	52.516	ug/l	100
89) n-Butylbenzene	13.69	91	349550	50.986	ug/l	99
90) Hexachloroethane	13.95	117	71203	51.297	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	157110	52.152	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	17181	51.478	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
Data File : VY000015.D
Acq On : 11 Sep 2019 21:51
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.00ml/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:46 PM

Quant Time: Sep 19 11:46:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 11:25:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	93845	51.083	ug/l	99
94) Hexachlorobutadiene	15.10	225	44584	50.120	ug/l	99
95) Naphthalene	15.22	128	277745	55.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.41	180	88820	53.913	ug/l	97

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

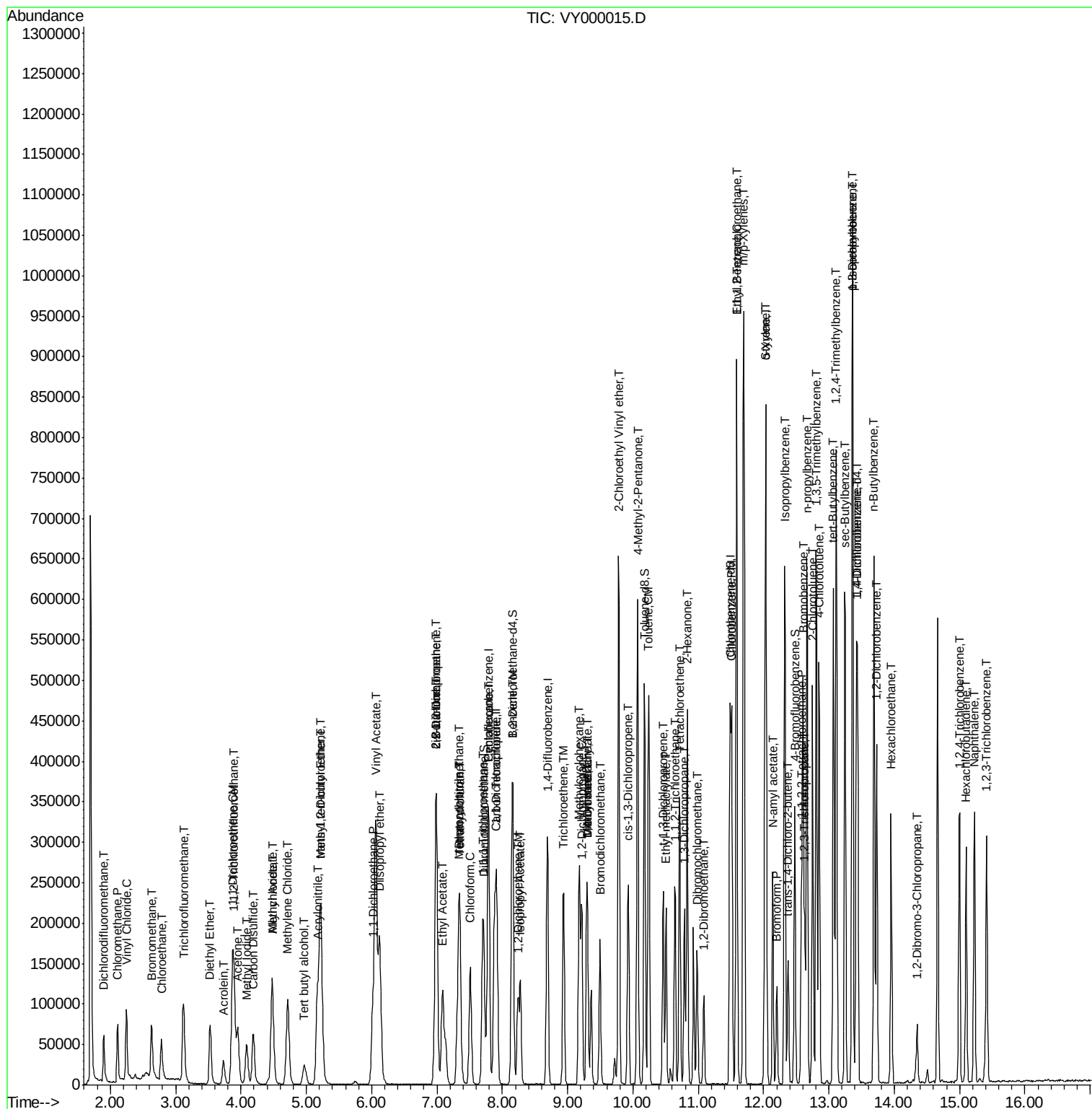
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000015.D
 Acq On : 11 Sep 2019 21:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

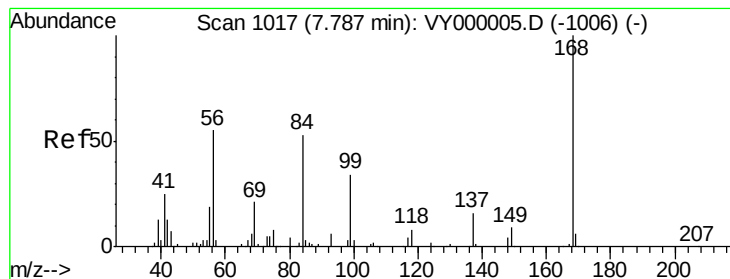
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:46 PM

Quant Time: Sep 19 11:46:39 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:25:13 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 142643

Ion Ratio Lower Upper

168 100

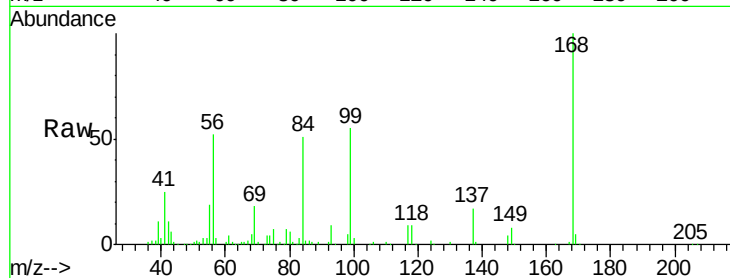
99 55.1 44.2 66.2

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:51:46 PM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

60000

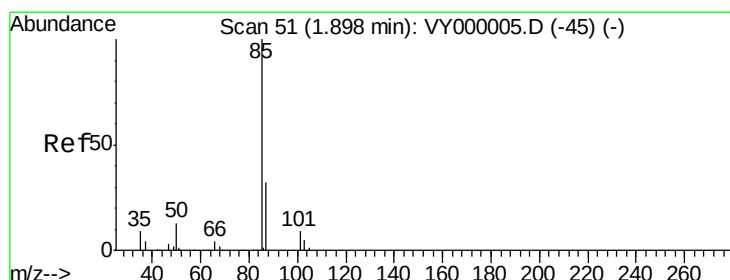
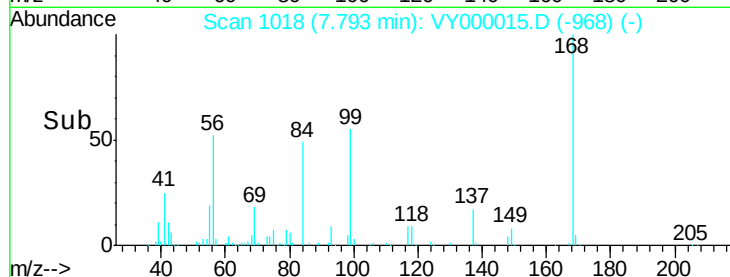
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 53.743 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000015.D

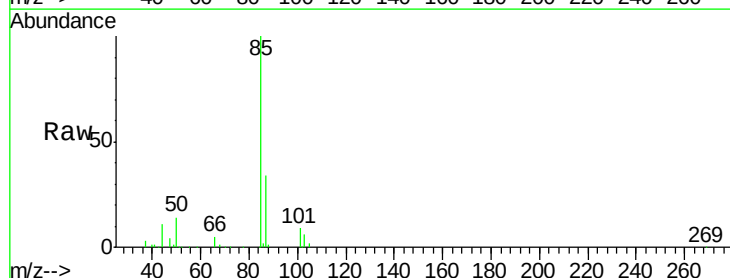
Acq: 11 Sep 2019 21:51

Tgt Ion: 85 Resp: 51584

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

30000

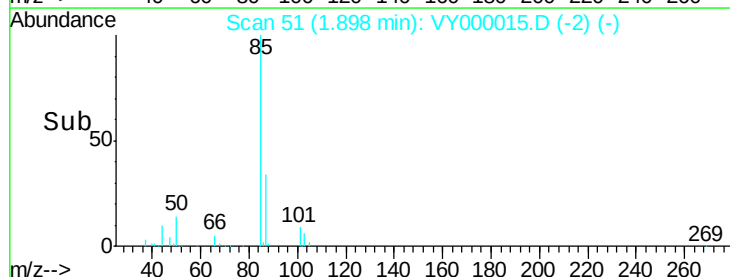
20000

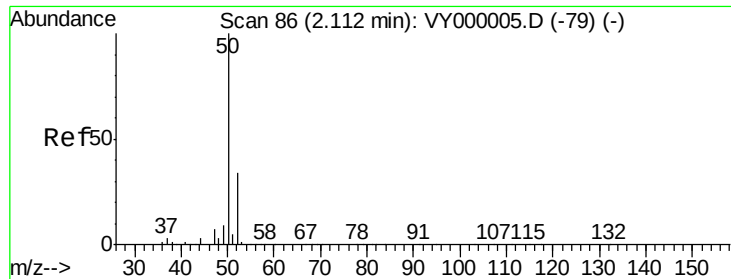
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 50.031 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 70545

Ion Ratio Lower Upper

50 100

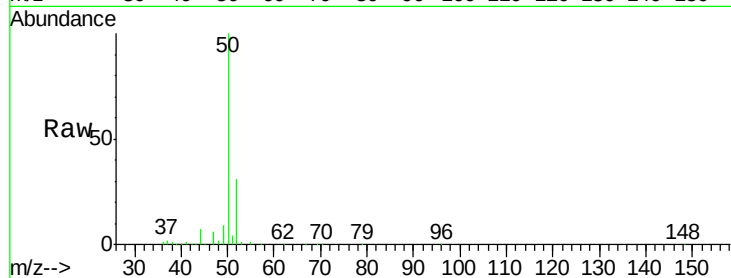
52 30.9 26.8 40.2

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:51:46 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.11

50000

40000

30000

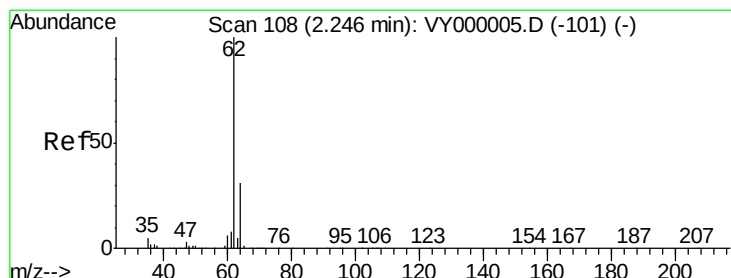
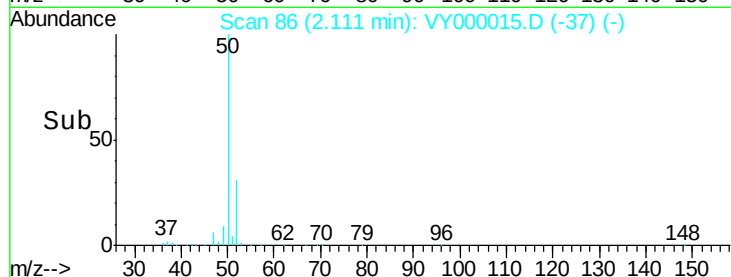
20000

10000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 49.791 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000015.D

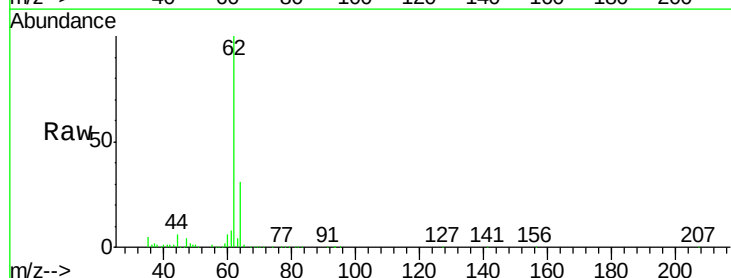
Acq: 11 Sep 2019 21:51

Tgt Ion: 62 Resp: 82319

Ion Ratio Lower Upper

62 100

64 30.6 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

60000

50000

40000

30000

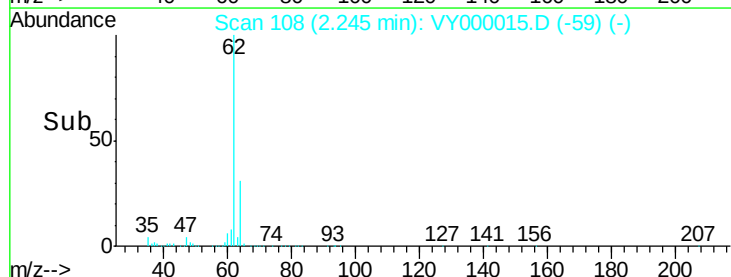
20000

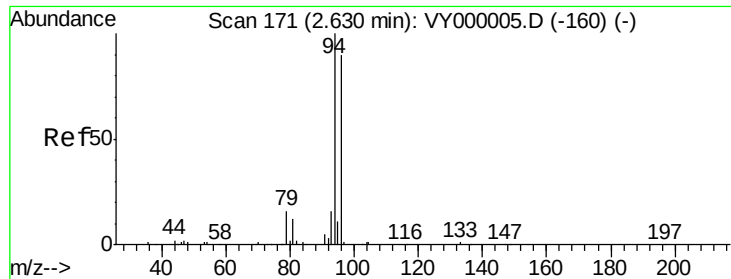
10000

0

Time-->

2.20 2.30





#5

Bromomethane

Concen: 51.742 ug/l

RT: 2.64 min Scan# 172

Delta R.T. 0.01 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 49912

Ion Ratio Lower Upper

94 100

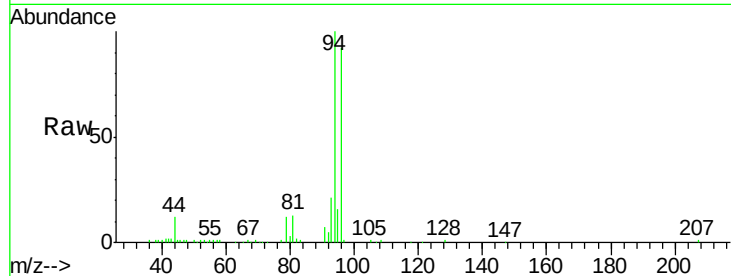
96 92.0 71.6 107.4

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:51:46 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

25000

20000

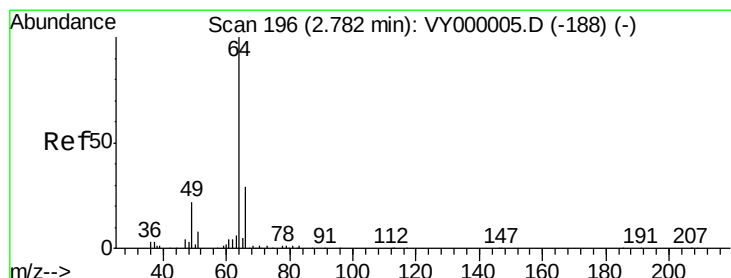
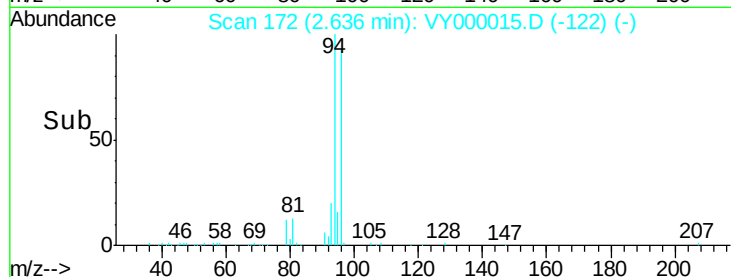
15000

10000

5000

0

Time--> 2.50 2.60 2.70 2.80



#6

Chloroethane

Concen: 50.614 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VY000015.D

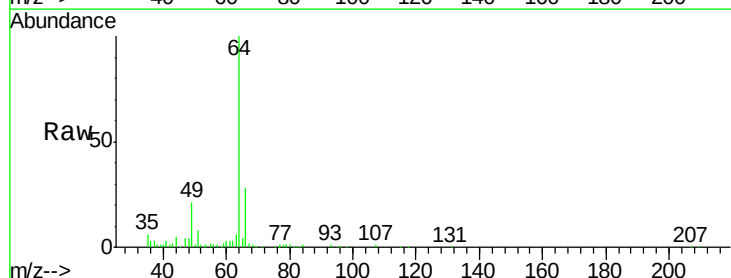
Acq: 11 Sep 2019 21:51

Tgt Ion: 64 Resp: 55174

Ion Ratio Lower Upper

64 100

66 28.1 23.5 35.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

25000

20000

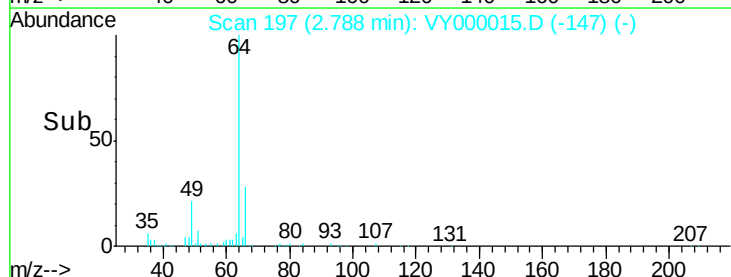
15000

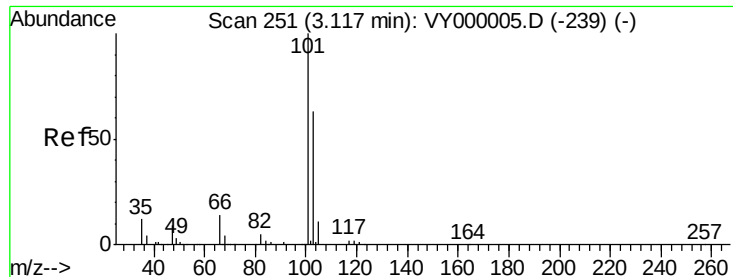
10000

5000

0

Time--> 2.70 2.80 2.90





#7

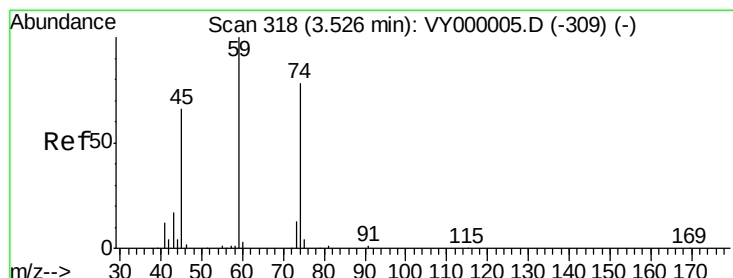
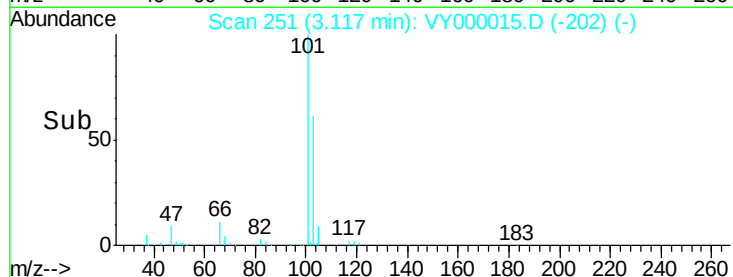
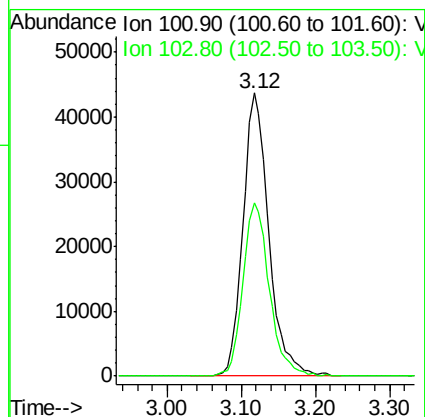
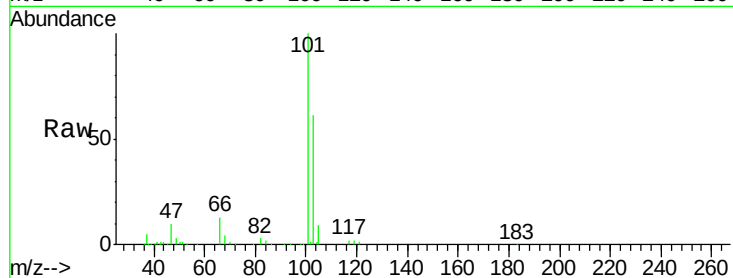
Trichlorofluoromethane
Concen: 52.339 ug/l
RT: 3.12 min Scan# 251
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	106572		
103	61.2	50.0	75.0	

Manual Integrations
APPROVED

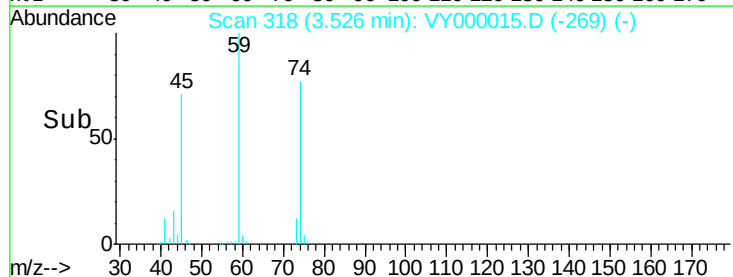
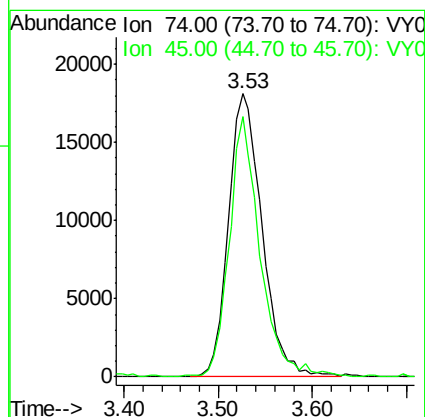
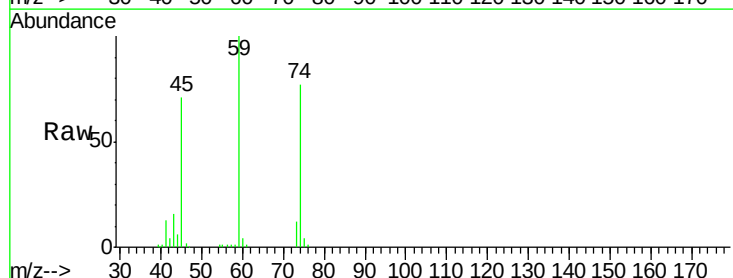
MMDadoda
9/13/2019 11:51:46 PM

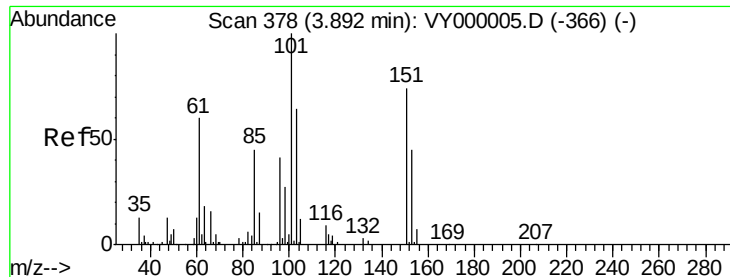


#8

Diethyl Ether
Concen: 56.256 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44927		
45	84.6	40.5	121.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.617 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

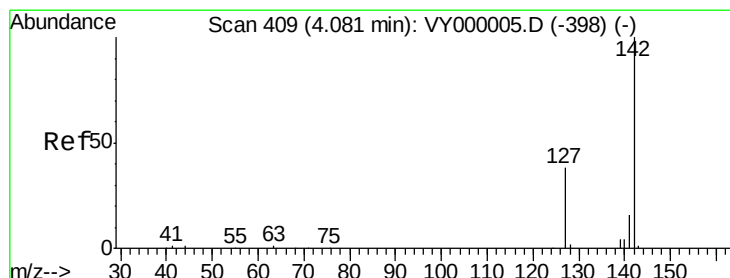
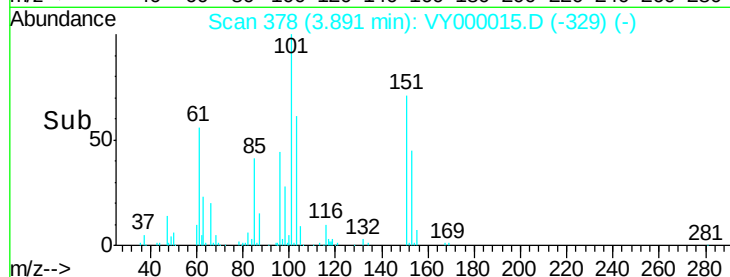
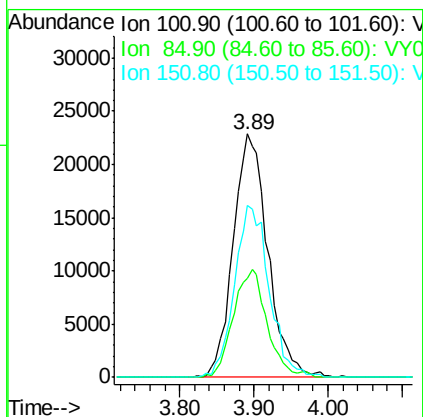
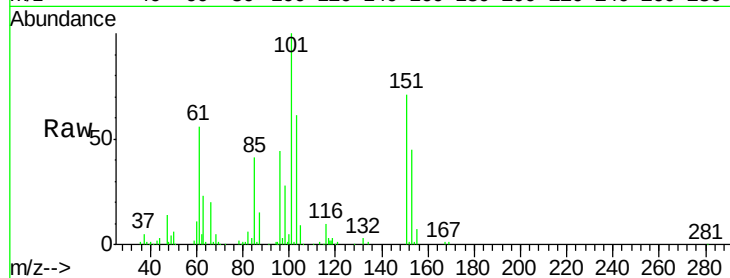
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	74447
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.0	51.0
151	70.6	57.3	85.9

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:46 PM



#10

Methyl Iodide

Concen: 54.326 ug/l

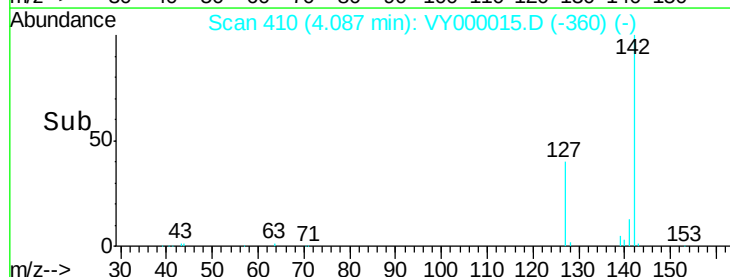
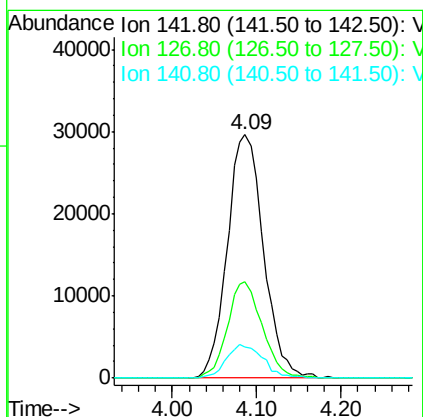
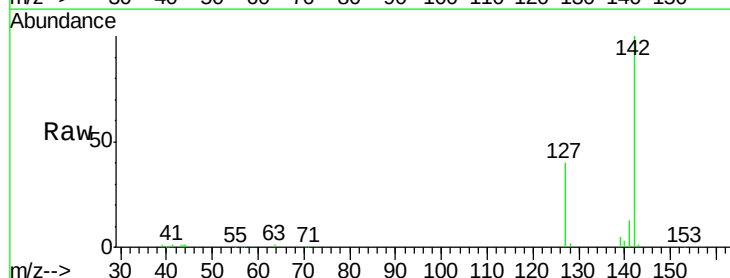
RT: 4.09 min Scan# 410

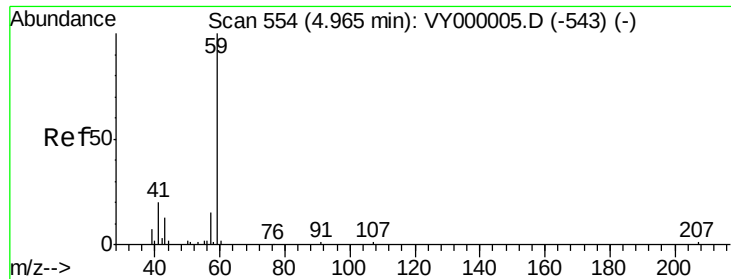
Delta R.T. 0.01 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Tgt Ion:	142	Resp:	86172
Ion Ratio	Lower	Upper	
142	100		
127	38.2	30.0	45.0
141	14.1	11.0	16.4





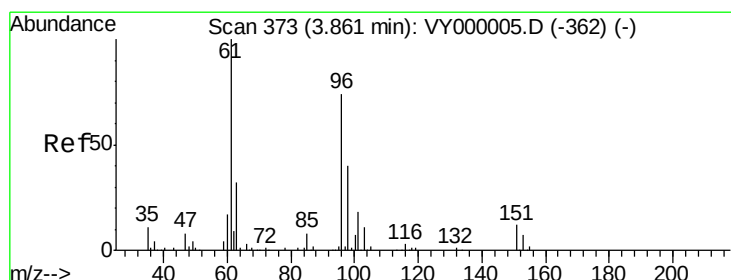
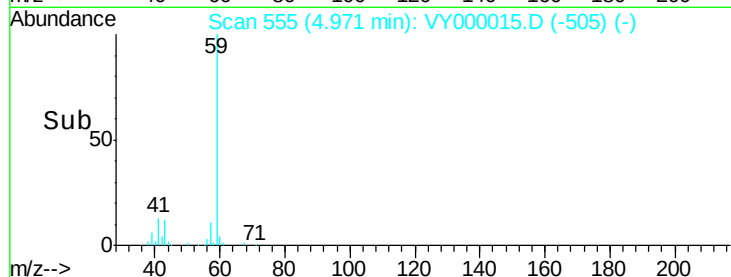
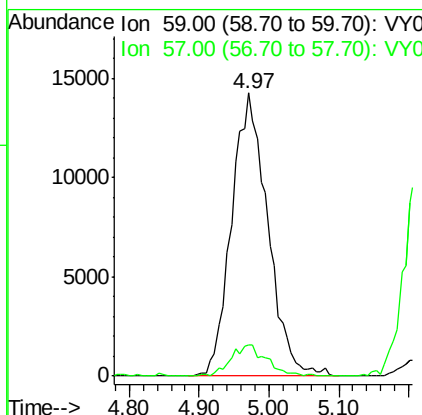
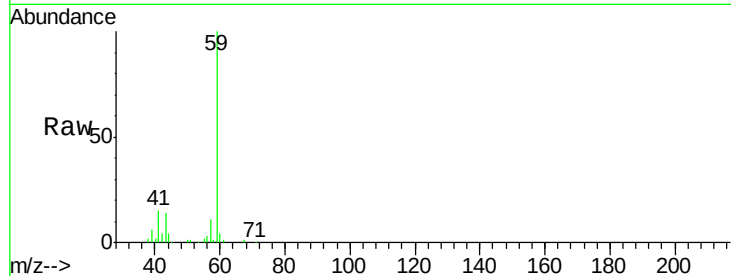
#11
Tert butyl alcohol
Concen: 294.476 ug/l
RT: 4.97 min Scan# 555
Delta R.T. 0.01 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.9	13.3

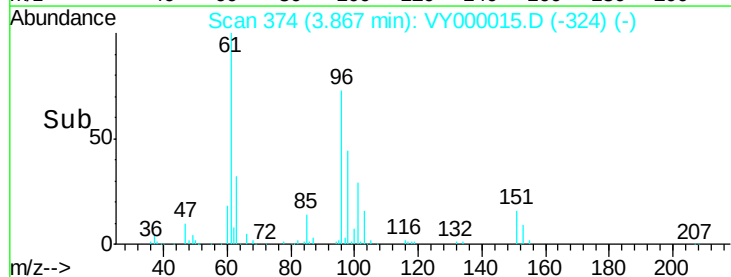
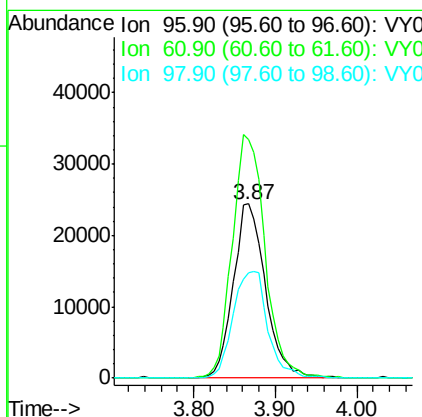
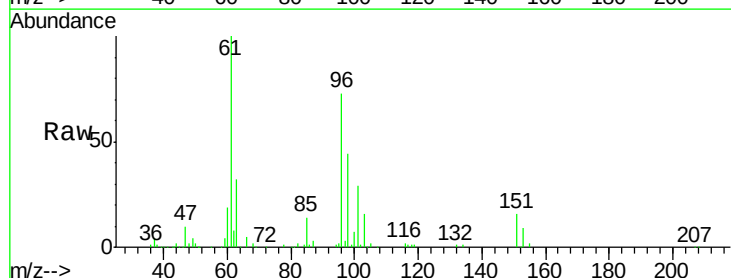
Manual Integrations
APPROVED

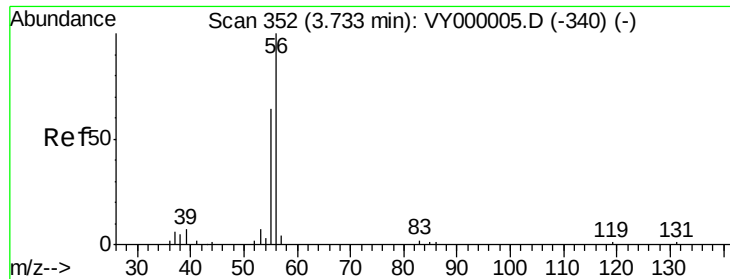
MMDadoda
9/13/2019 11:51:46 PM



#12
1,1-Dichloroethene
Concen: 50.541 ug/l
RT: 3.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.5	108.1	162.1
98	60.4	42.8	64.2





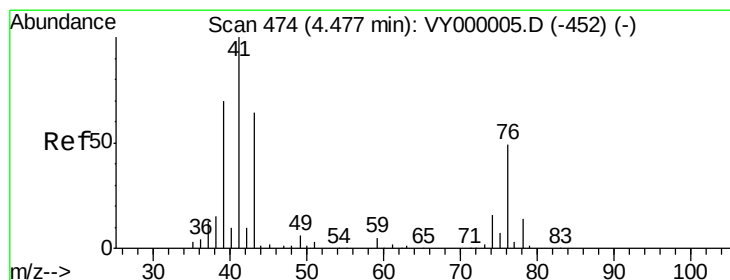
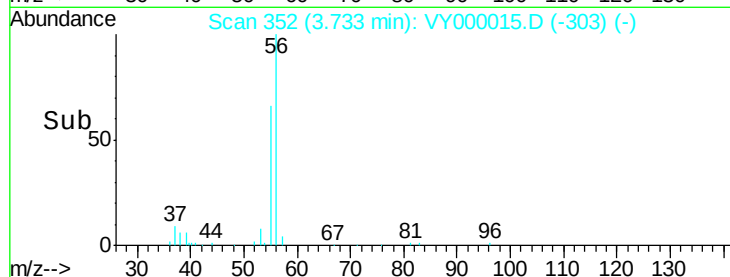
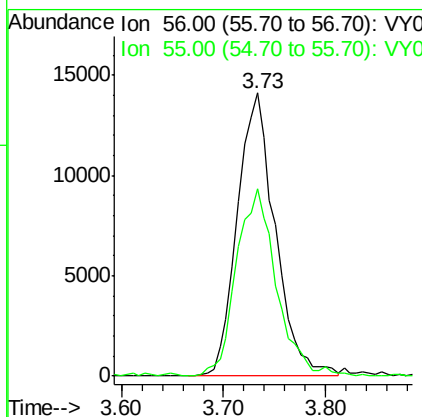
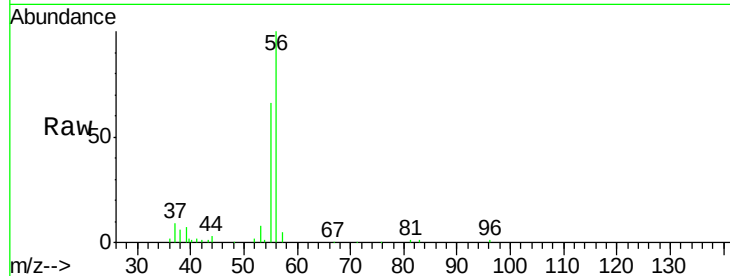
#13
Acrolein
Concen: 298.980 ug/l
RT: 3.73 min Scan# 352
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	36409
Ion Ratio	100	Lower	Upper
55	68.6	53.3	79.9

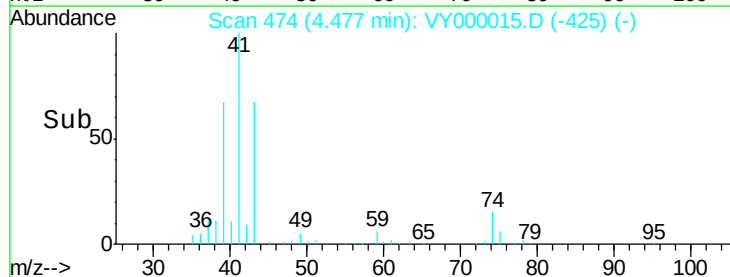
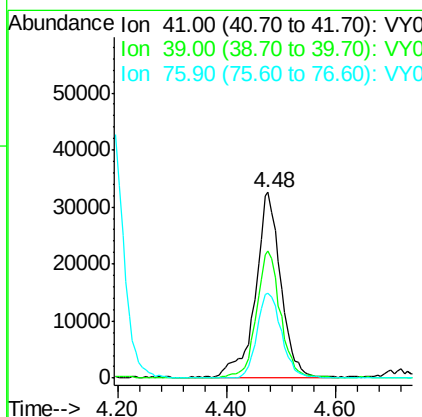
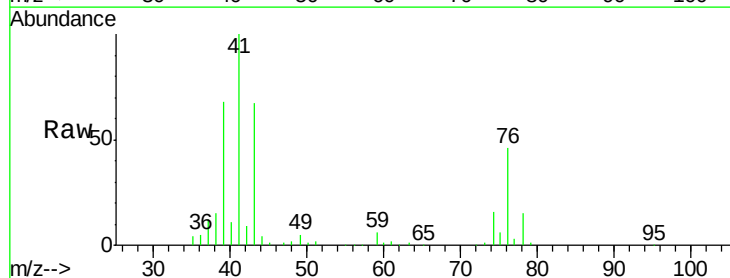
Manual Integrations
APPROVED

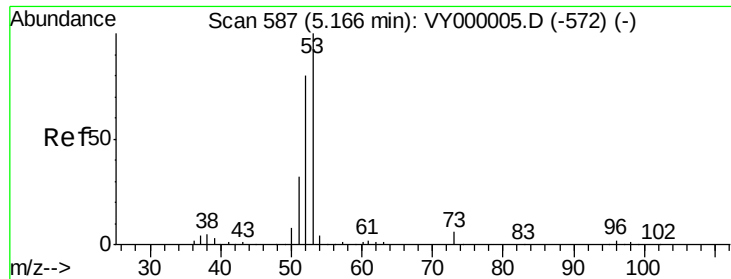
MMDadoda
9/13/2019 11:51:46 PM



#14
Allyl chloride
Concen: 52.340 ug/l
RT: 4.48 min Scan# 474
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	41	Resp	105050
Ion Ratio	100	Lower	Upper
39	64.9	52.4	78.6
76	44.3	33.3	49.9





#15

Acrylonitrile

Concen: 282.713 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

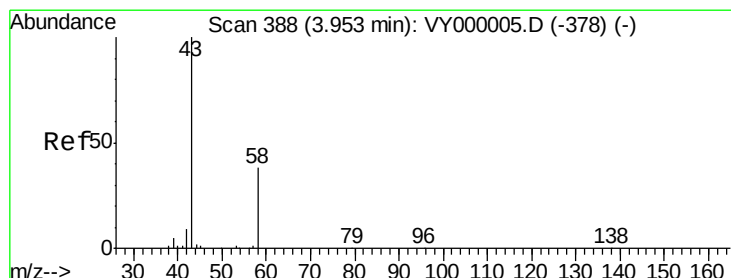
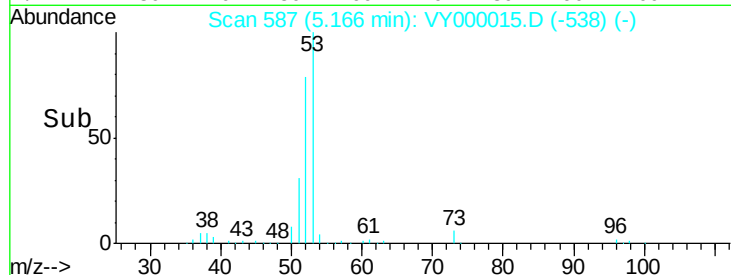
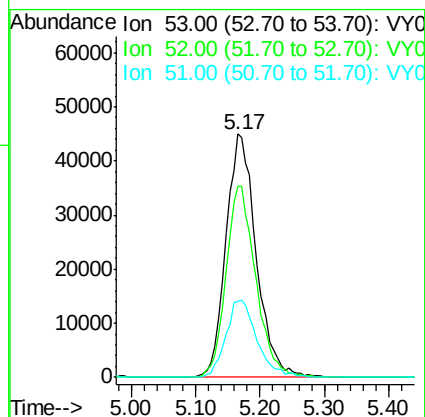
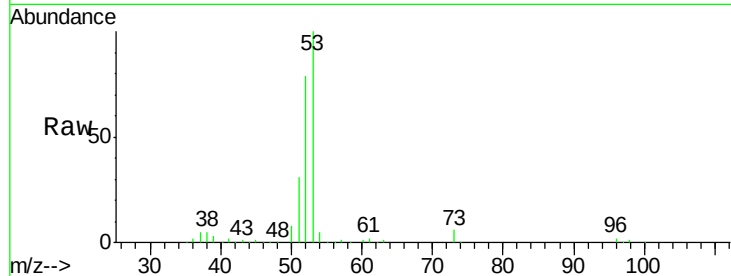
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	148130
Ion	Ratio	Lower	Upper
53	100		
52	77.5	64.4	96.6
51	32.8	27.1	40.7

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:46 PM



#16

Acetone

Concen: 253.131 ug/l

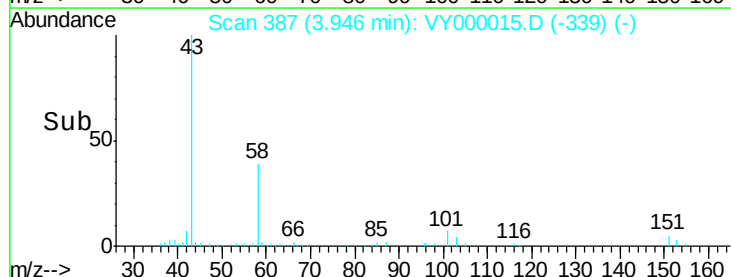
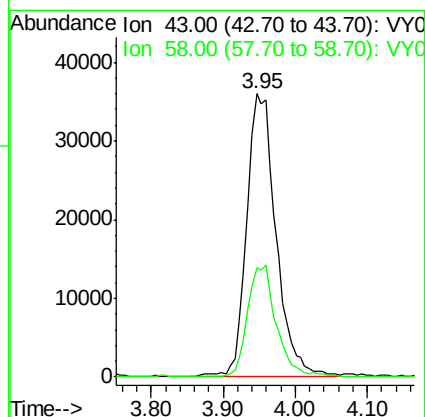
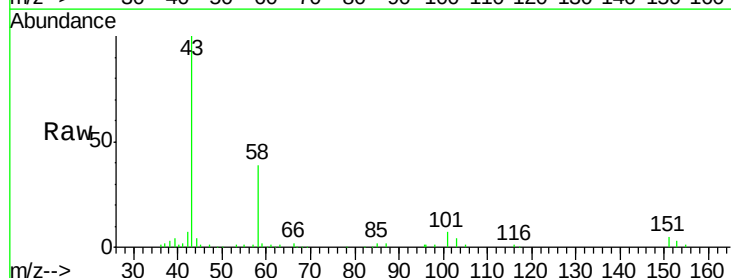
RT: 3.95 min Scan# 387

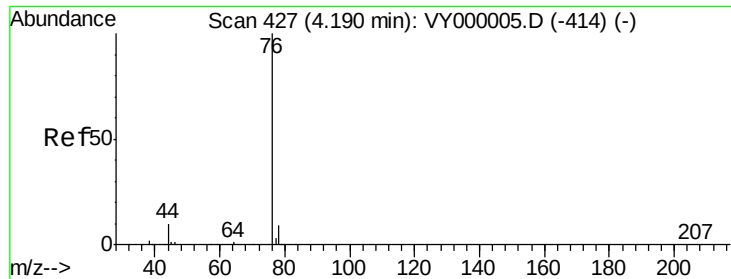
Delta R.T. -0.01 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Tgt Ion:	43	Resp:	102128
Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.5	45.7





#17

Carbon Disulfide

Concen: 53.554 ug/l

RT: 4.19 min Scan# 427

Delta R.T. 0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 133882

Ion Ratio Lower Upper

76 100

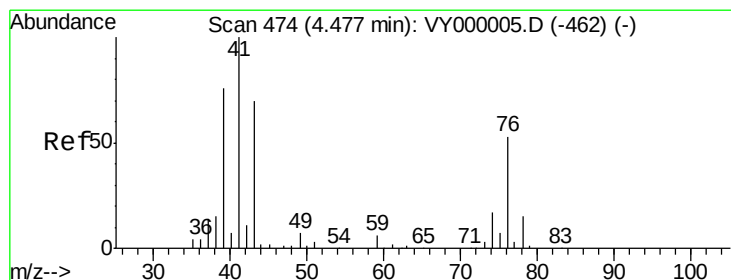
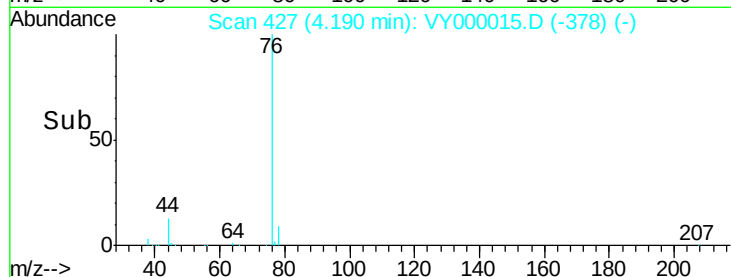
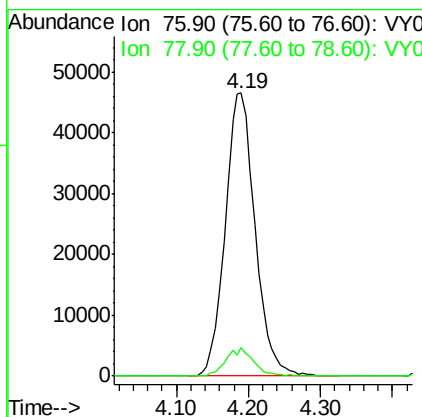
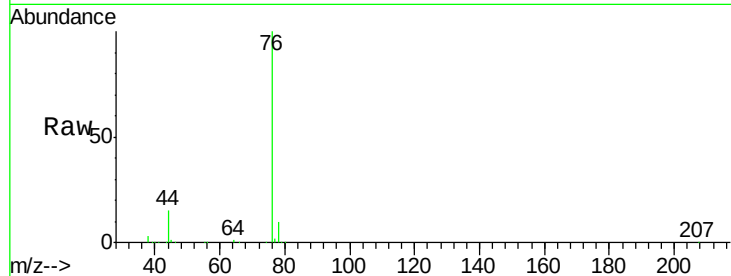
78 10.2 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:51:46 PM



#18

Methyl Acetate

Concen: 60.857 ug/l

RT: 4.48 min Scan# 474

Delta R.T. 0.00 min

Lab File: VY000015.D

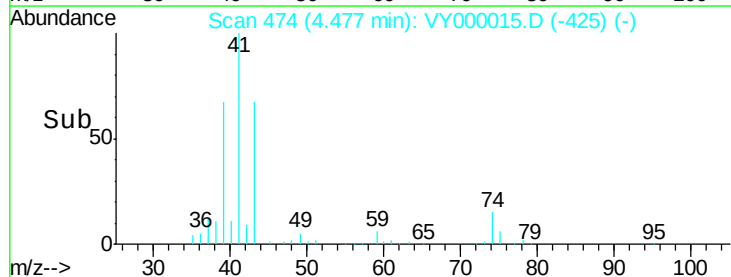
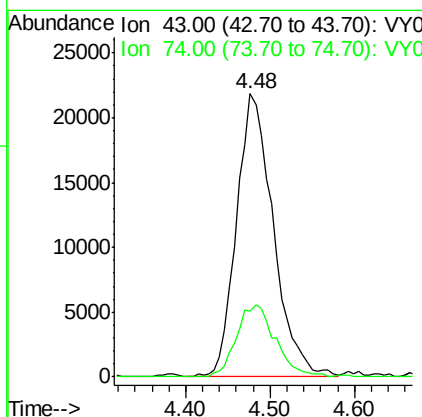
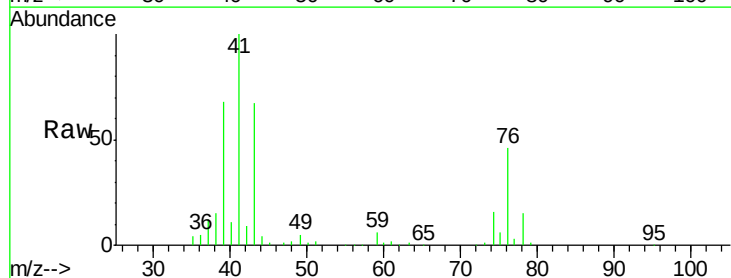
Acq: 11 Sep 2019 21:51

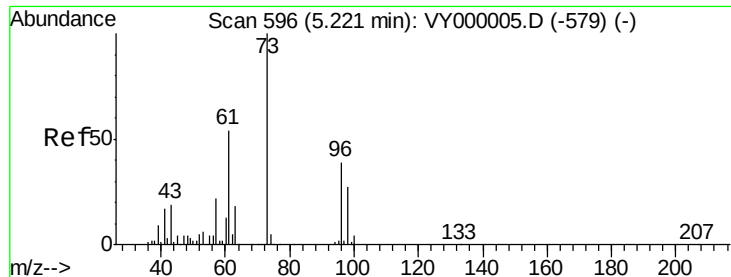
Tgt Ion: 43 Resp: 64763

Ion Ratio Lower Upper

43 100

74 26.9 21.4 32.2





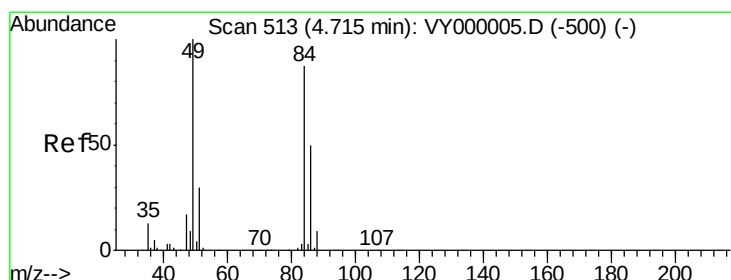
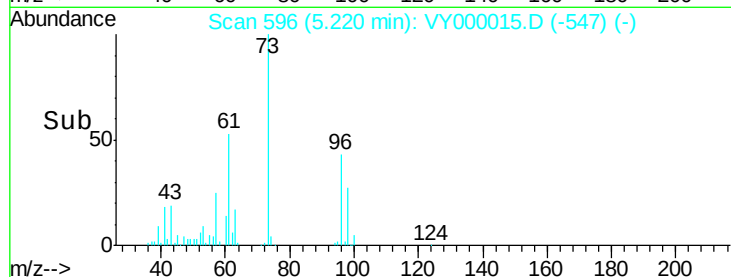
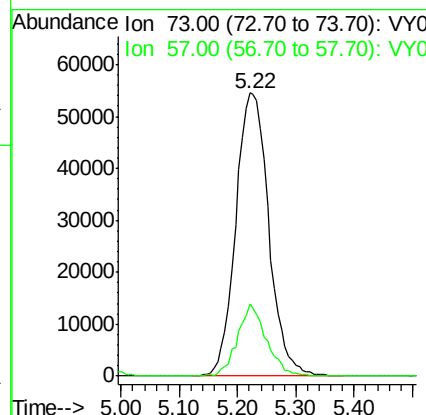
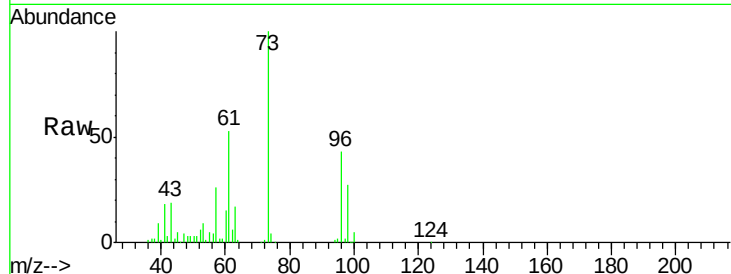
#19
Methyl tert-butyl Ether
Concen: 57.503 ug/l
RT: 5.22 min Scan# 596
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 213708
Ion Ratio Lower Upper
73 100
57 25.7 18.2 27.4

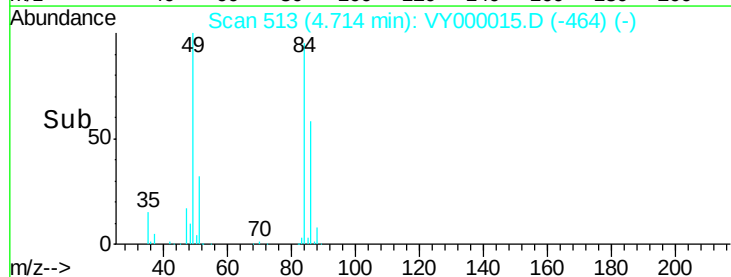
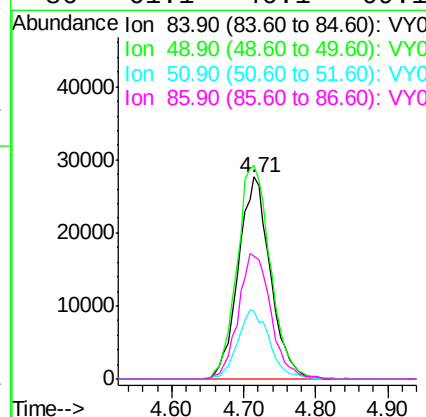
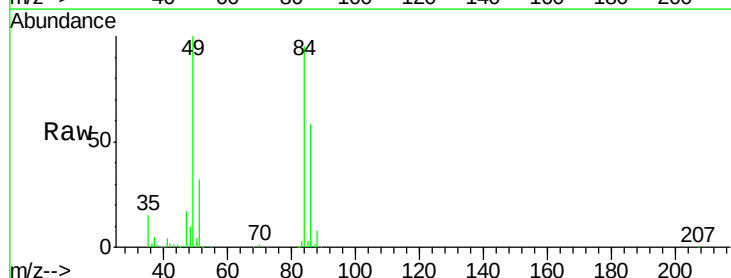
Manual Integrations
APPROVED

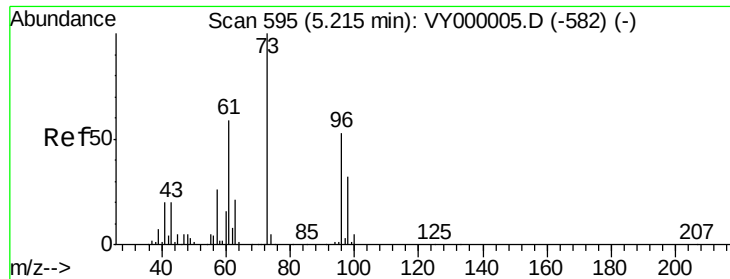
MMDadoda
9/13/2019 11:51:46 PM



#20
Methylene Chloride
Concen: 57.946 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion: 84 Resp: 85208
Ion Ratio Lower Upper
84 100
49 105.7 91.7 137.5
51 33.4 28.0 42.0
86 61.1 46.1 69.1





#21

trans-1,2-Dichloroethene

Concen: 52.841 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

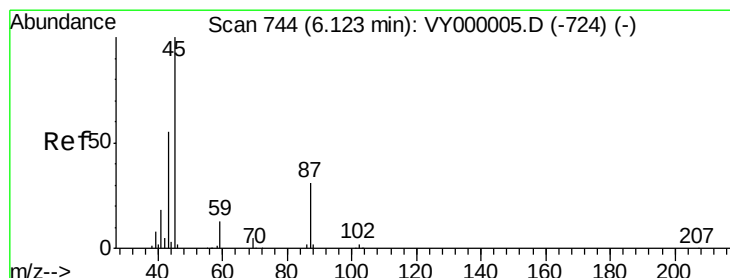
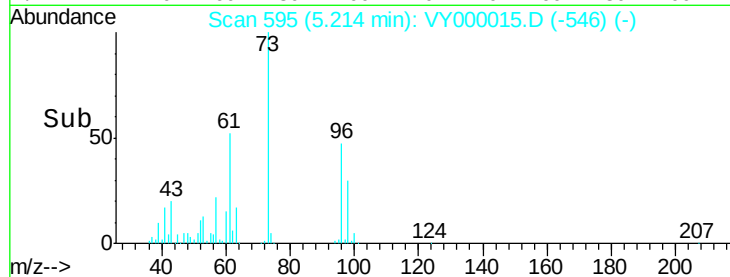
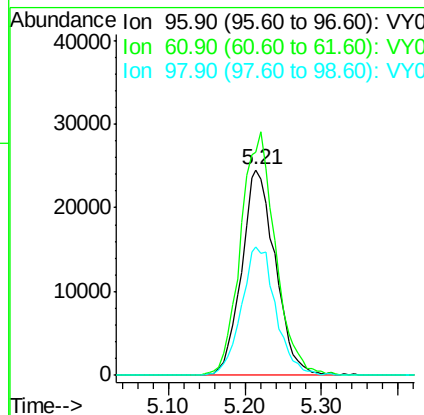
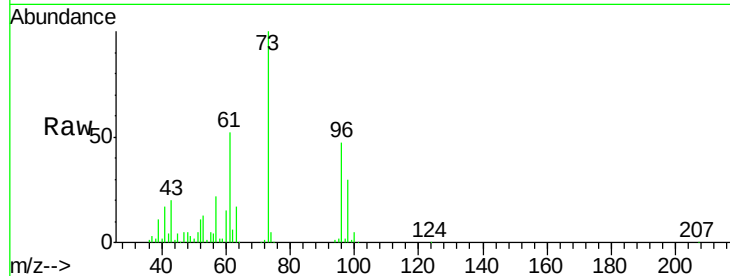
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	75119
Ion	Ratio	Lower	Upper
96	100		
61	108.7	89.4	134.2
98	62.2	48.6	73.0

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:46 PM



#22

Diisopropyl ether

Concen: 54.774 ug/l

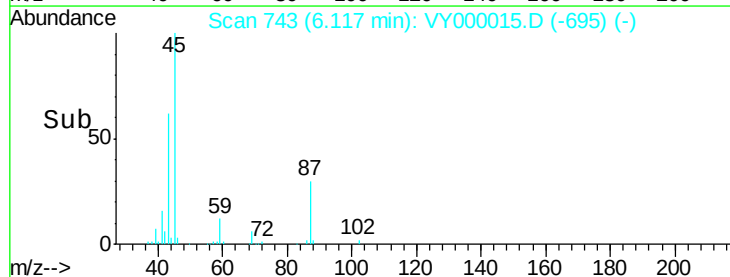
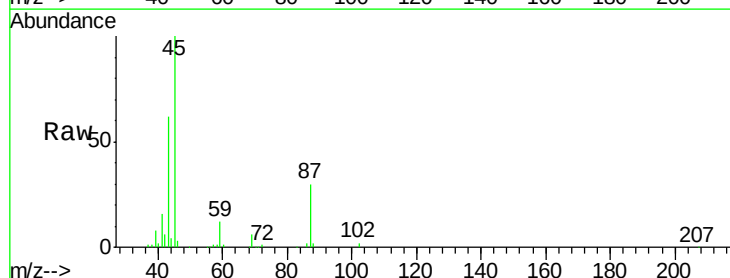
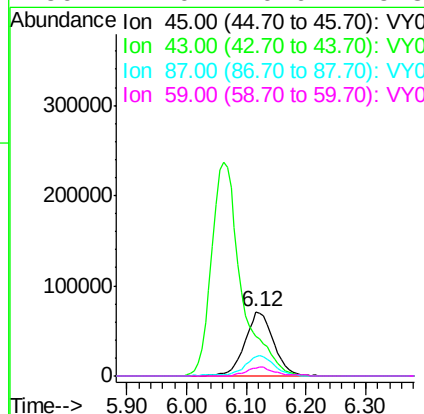
RT: 6.12 min Scan# 743

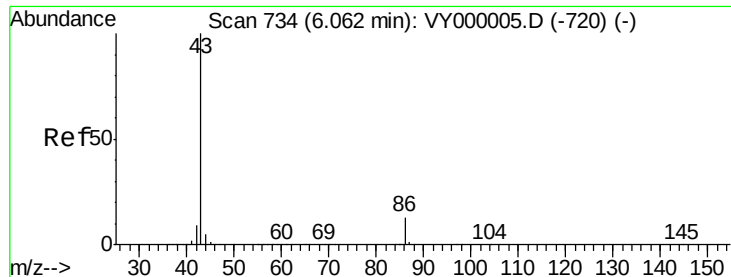
Delta R.T. -0.01 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Tgt Ion:	45	Resp:	239000
Ion	Ratio	Lower	Upper
45	100		
43	61.2	45.2	67.8
87	30.1	25.3	37.9
59	12.0	10.6	15.8





#23

Vinyl Acetate

Concen: 277.063 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 819563

Ion Ratio Lower Upper

43 100

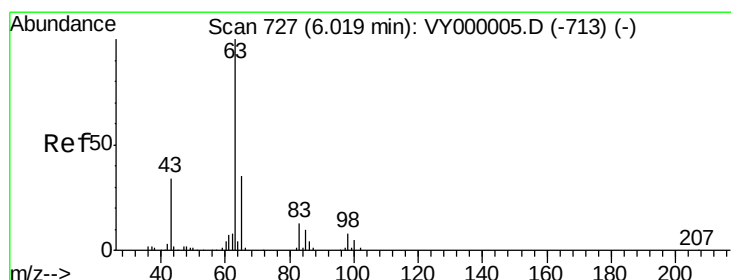
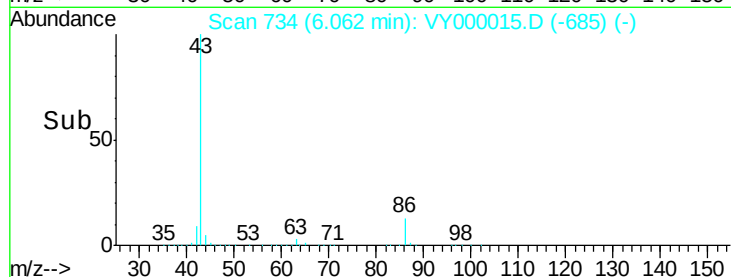
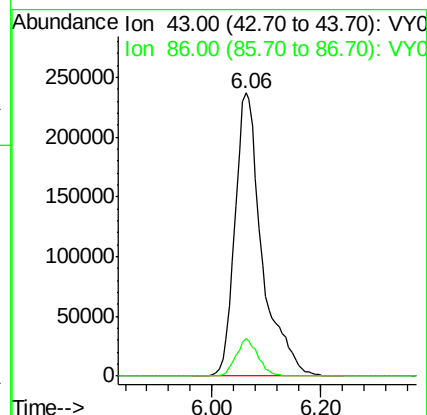
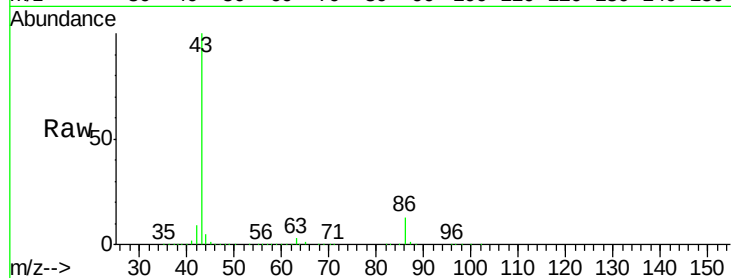
86 13.2 10.3 15.5

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:51:46 PM



#24

1,1-Dichloroethane

Concen: 54.883 ug/l

RT: 6.02 min Scan# 727

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

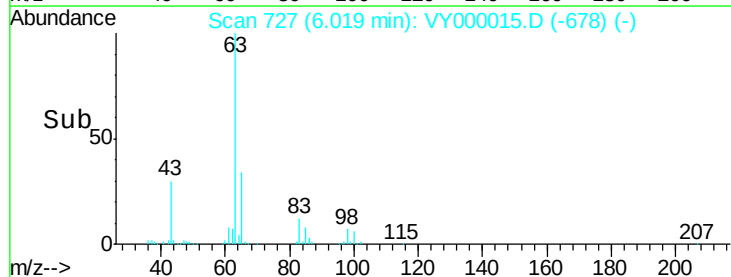
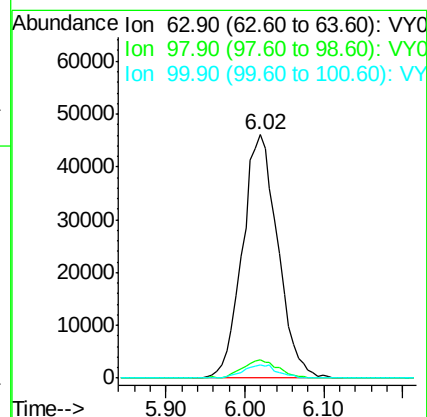
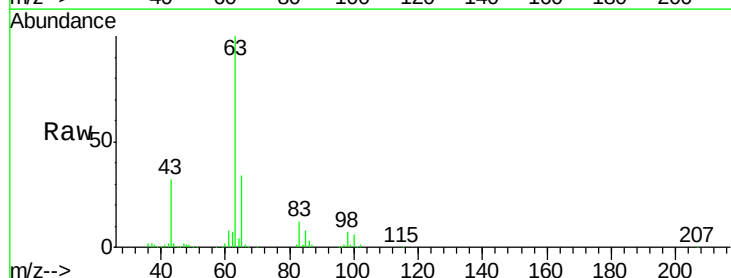
Tgt Ion: 63 Resp: 143444

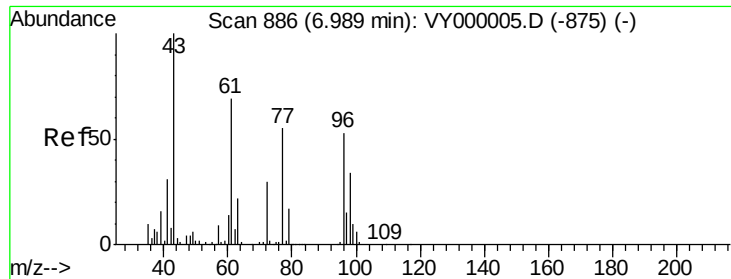
Ion Ratio Lower Upper

63 100

98 7.3 4.0 12.0

100 5.6 2.5 7.5





#25

2-Butanone

Concen: 273.115 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 173989

Ion Ratio Lower Upper

43 100

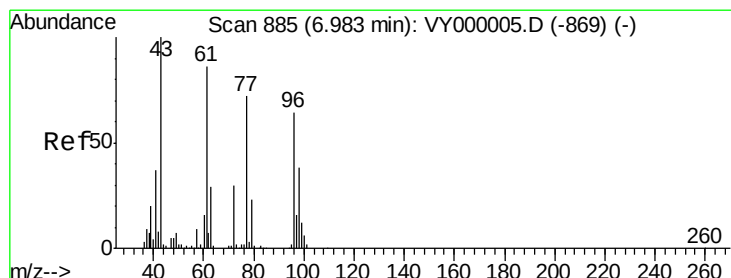
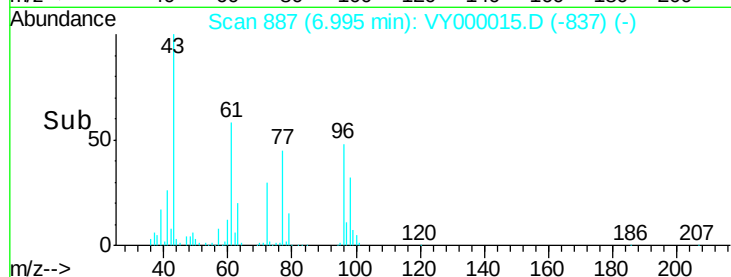
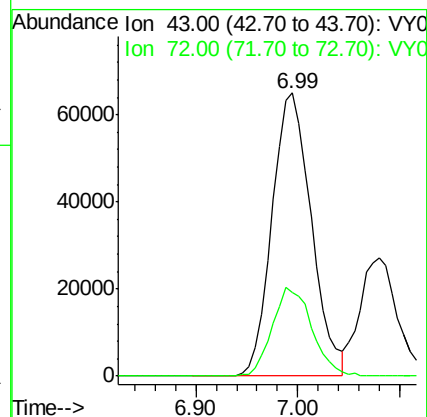
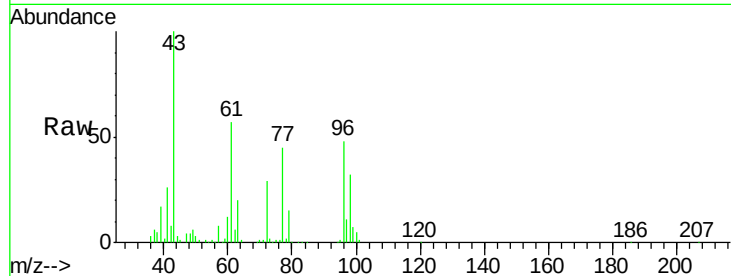
72 29.4 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:51:46 PM



#26

2,2-Dichloropropane

Concen: 50.098 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000015.D

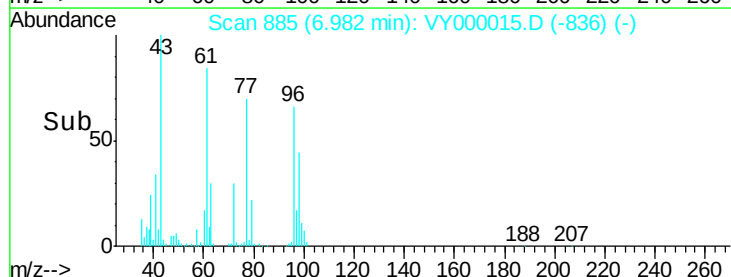
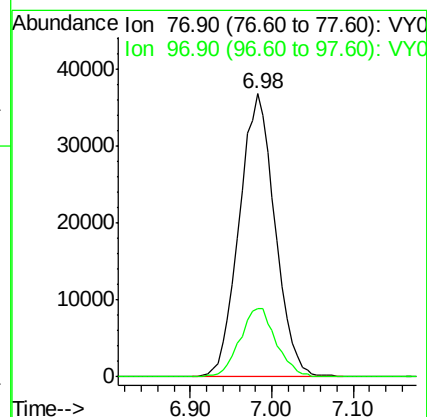
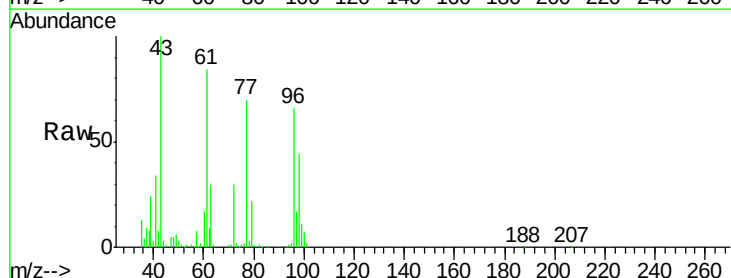
Acq: 11 Sep 2019 21:51

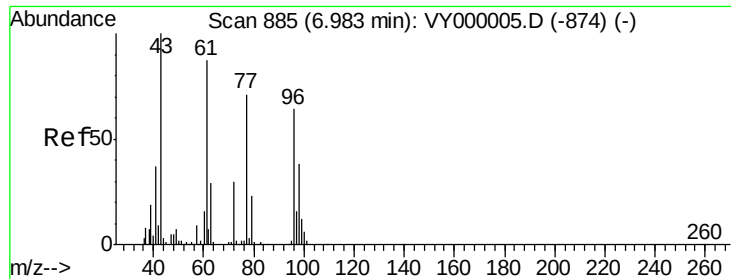
Tgt Ion: 77 Resp: 111959

Ion Ratio Lower Upper

77 100

97 24.5 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 54.022 ug/l

RT: 6.99 min Scan# 886

Delta R.T. 0.01 min

Lab File: VY000015.D

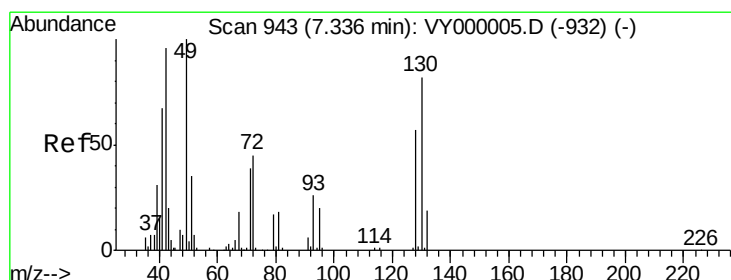
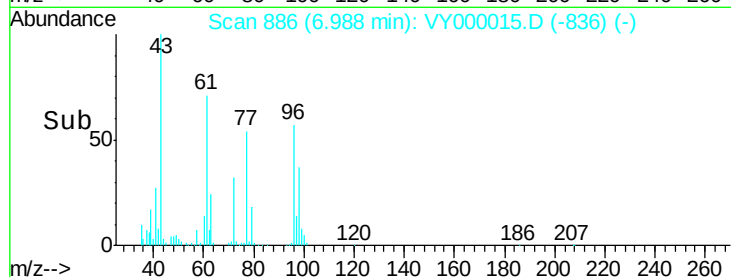
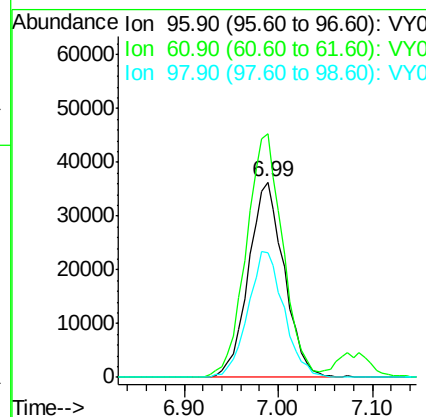
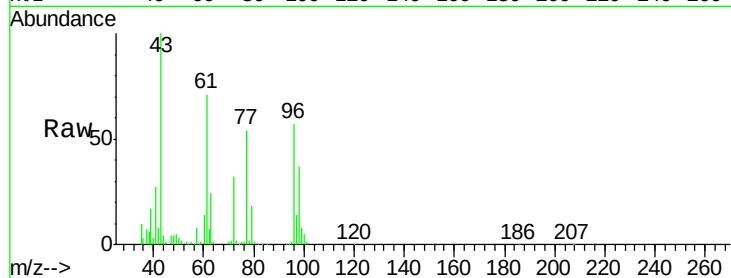
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	127.5	0.0	259.0	
98	65.0	0.0	129.8	

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:46 PM



#28

Bromochloromethane

Concen: 55.620 ug/l

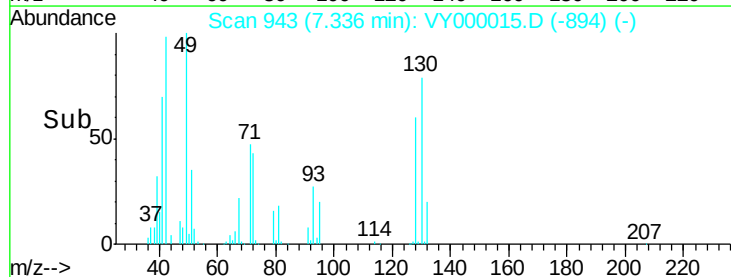
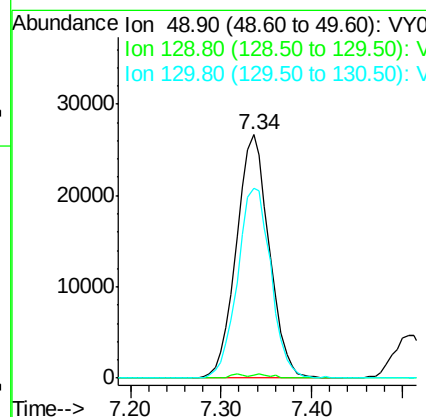
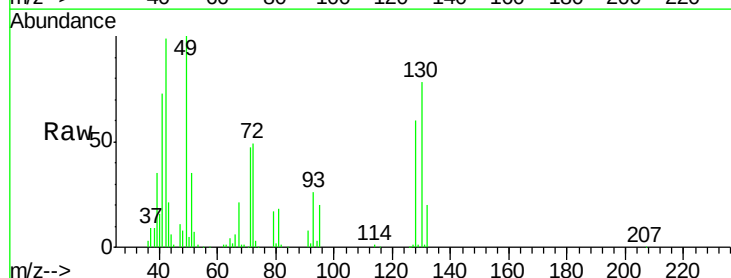
RT: 7.34 min Scan# 943

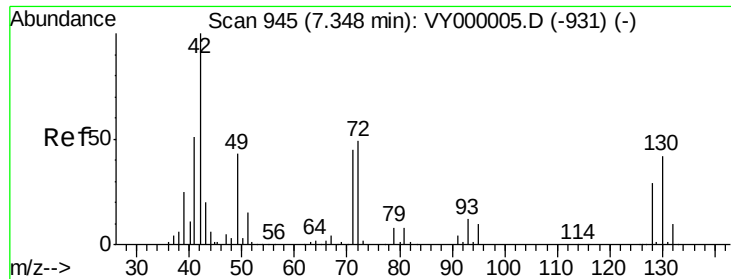
Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	4.6	
130	79.6	65.3	97.9	





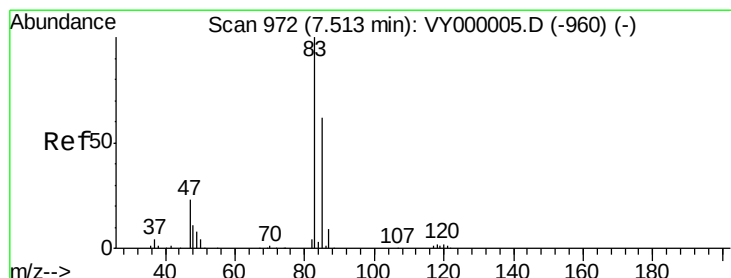
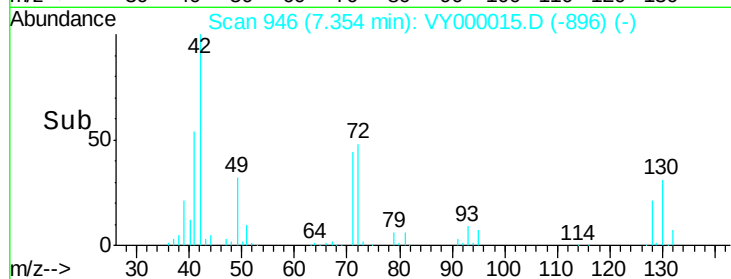
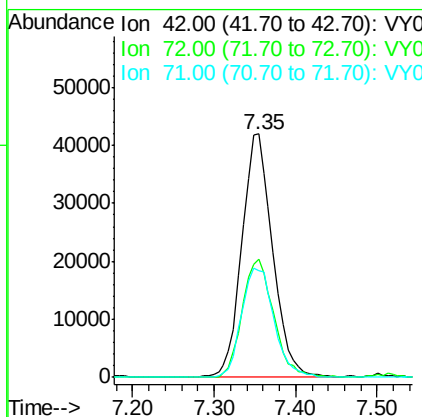
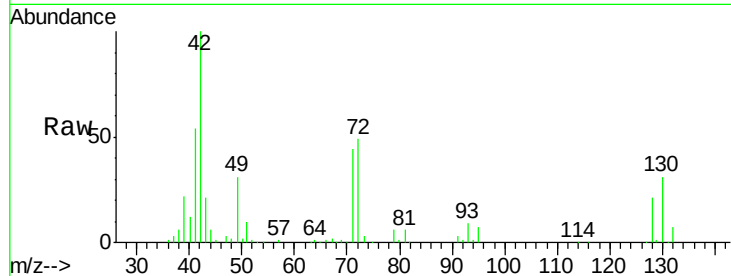
#29
Tetrahydrofuran
Concen: 277.288 ug/l
RT: 7.35 min Scan# 946
Delta R.T. 0.01 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	39.2	58.8
71	47.4	36.4	54.6

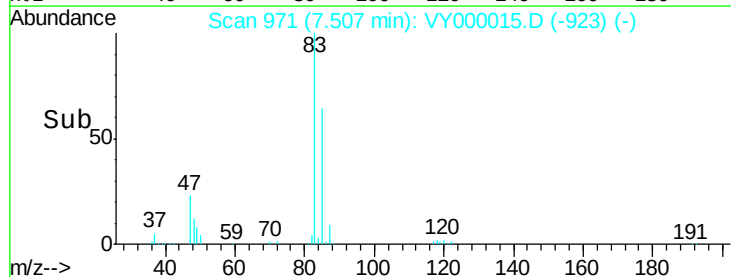
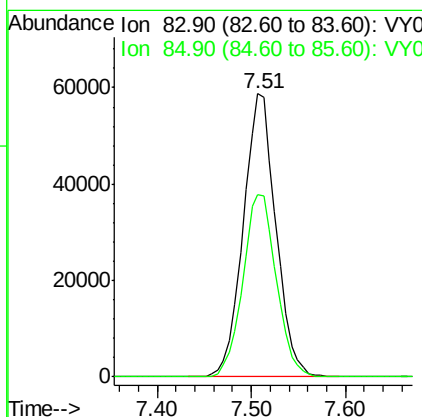
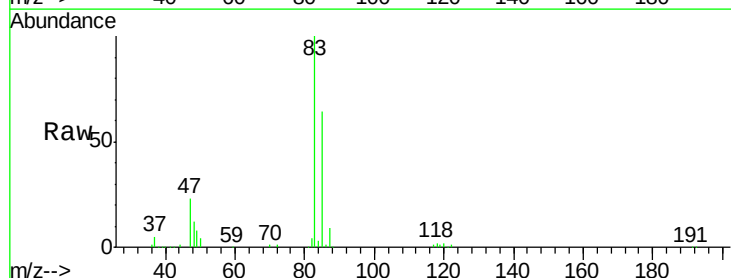
Manual Integrations
APPROVED

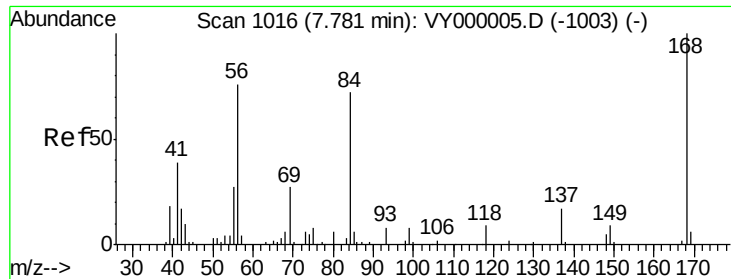
MMDadoda
9/13/2019 11:51:46 PM



#30
Chloroform
Concen: 53.804 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.4	74.0





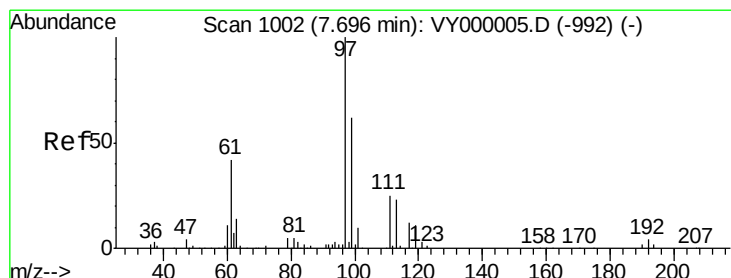
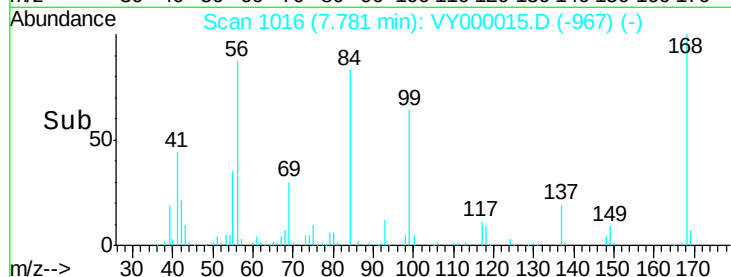
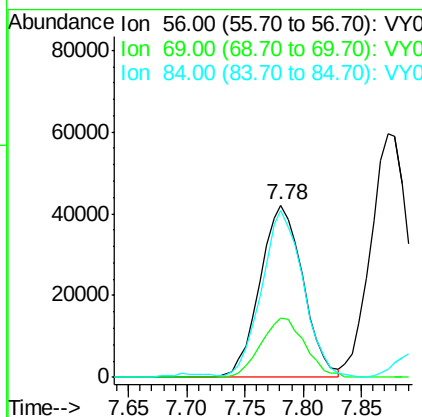
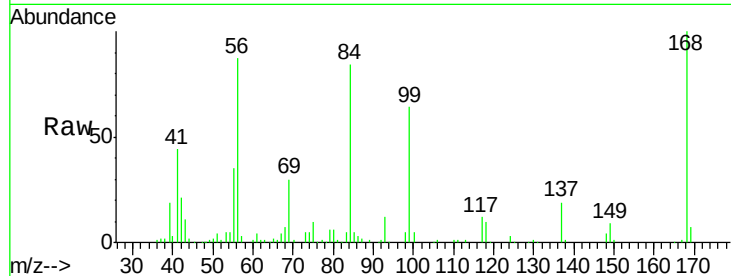
#31
Cyclohexane
Concen: 54.702 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	28.5	42.7
84	94.7	76.4	114.6

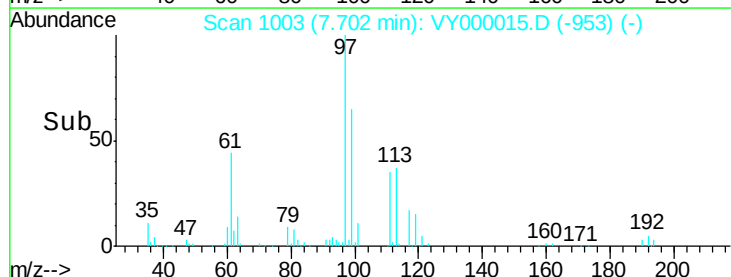
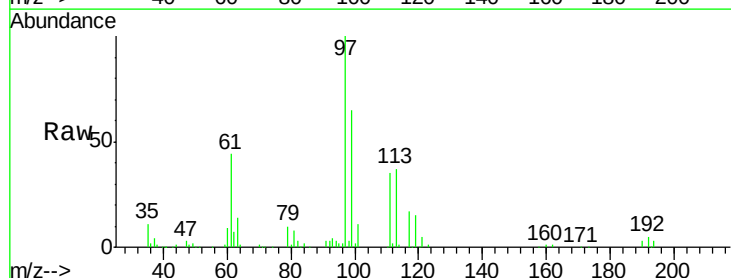
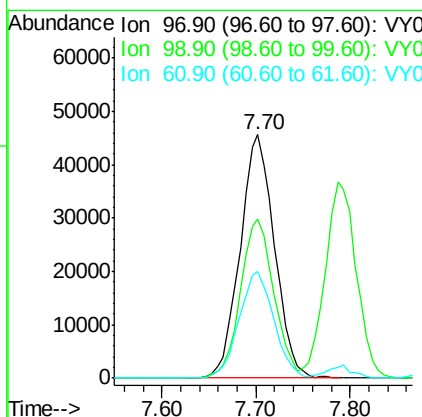
Manual Integrations
APPROVED

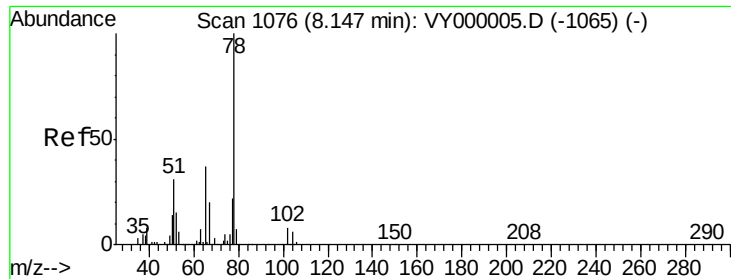
MMDadoda
9/13/2019 11:51:46 PM



#32
1,1,1-Trichloroethane
Concen: 53.260 ug/l
RT: 7.70 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.3	75.5
61	44.3	35.0	52.4





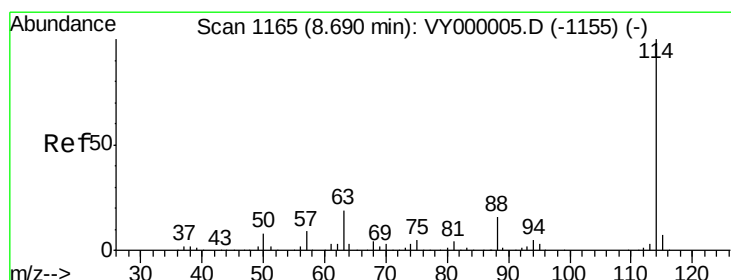
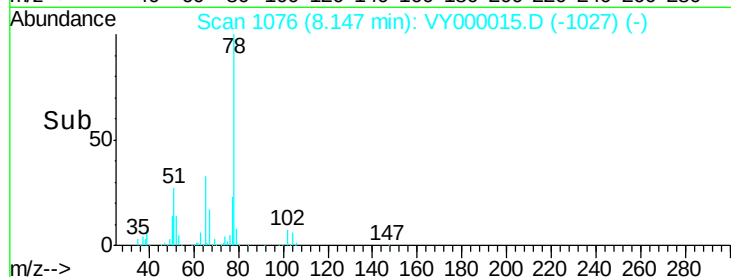
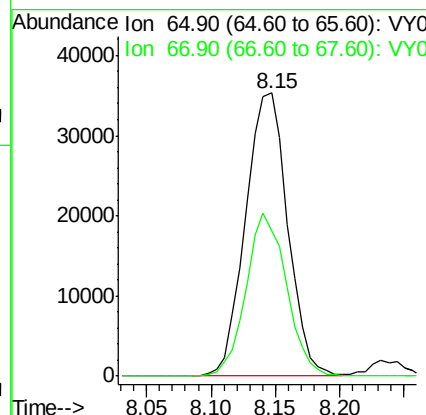
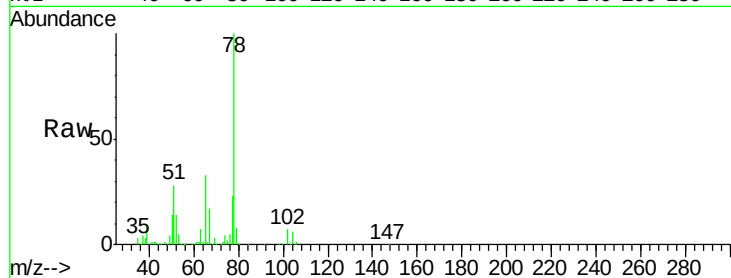
#33
 1,2-Dichloroethane-d4
 Concen: 55.361 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	111.4

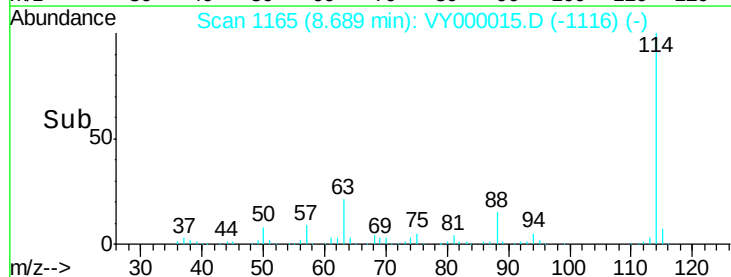
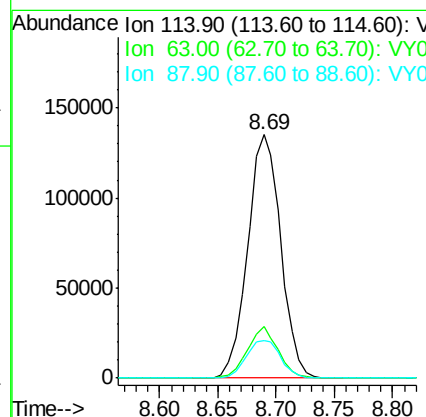
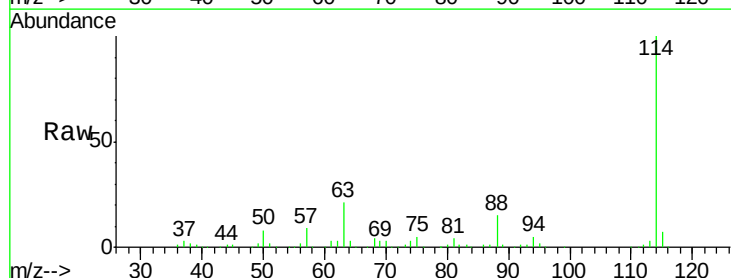
Manual Integrations
 APPROVED

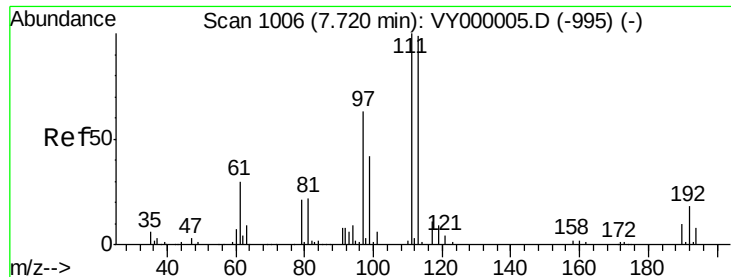
MMDadoda
 9/13/2019 11:51:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	37.4
88	15.4	0.0	32.6





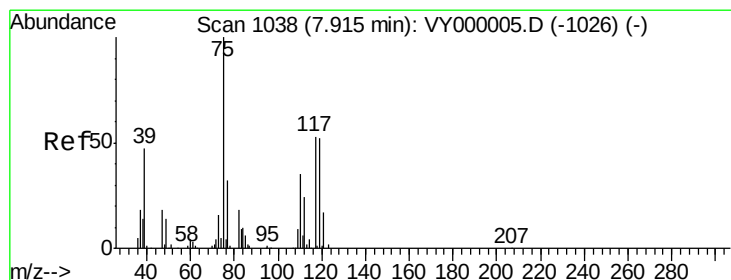
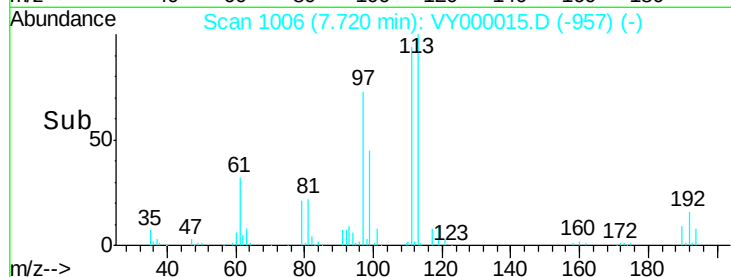
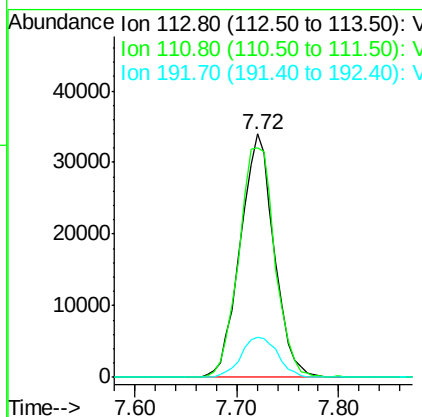
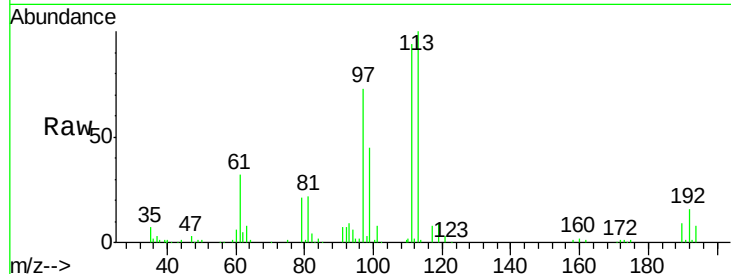
#35
 Dibromofluoromethane
 Concen: 52.296 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	78286		
111	100.9		81.6	122.4
192	17.9		15.2	22.8

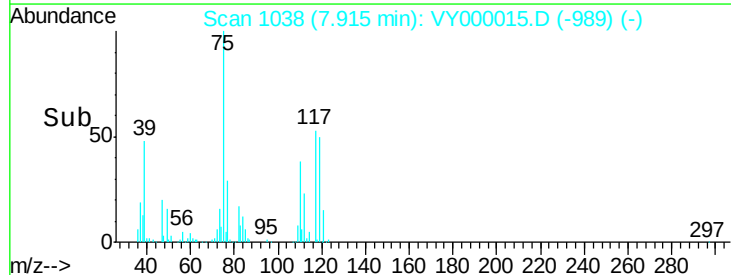
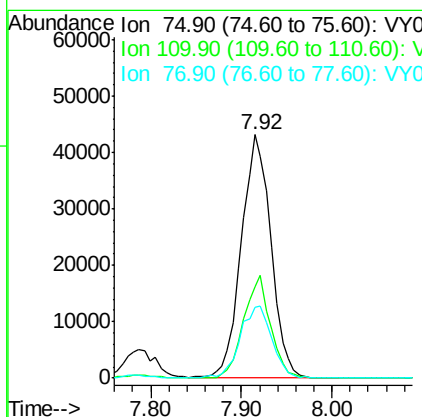
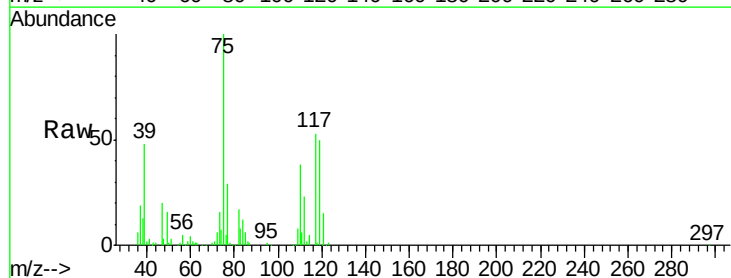
Manual Integrations
 APPROVED

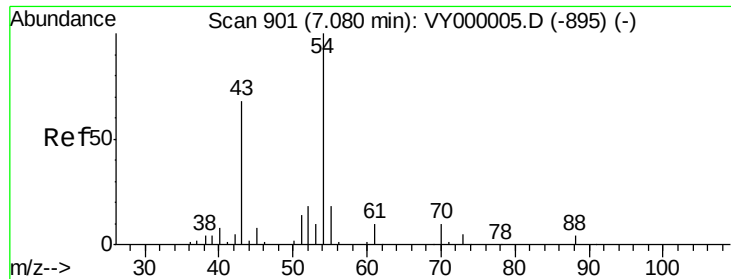
MMDadoda
 9/13/2019 11:51:46 PM



#36
 1,1-Dichloropropene
 Concen: 50.656 ug/l
 RT: 7.92 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98057		
110	38.0		18.7	56.1
77	31.5		25.6	38.4





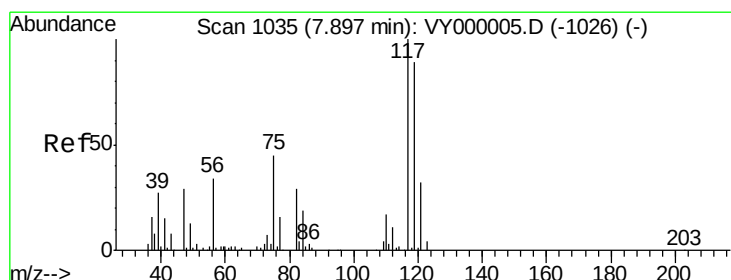
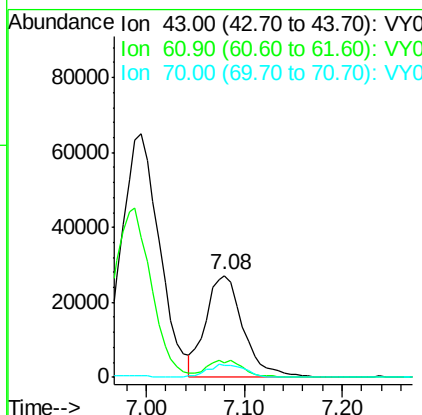
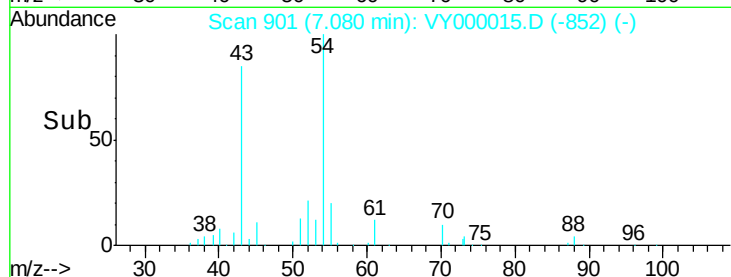
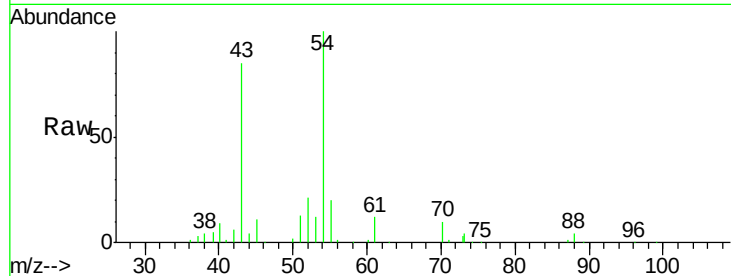
#37
Ethyl Acetate
Concen: 54.762 ug/l
RT: 7.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	13.0	19.4
70	12.8	11.0	16.4

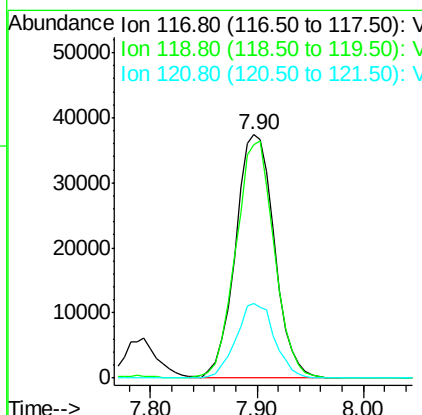
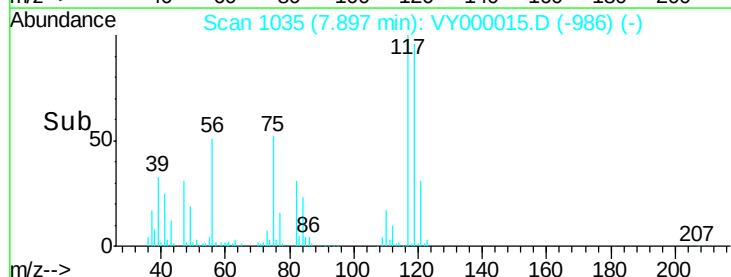
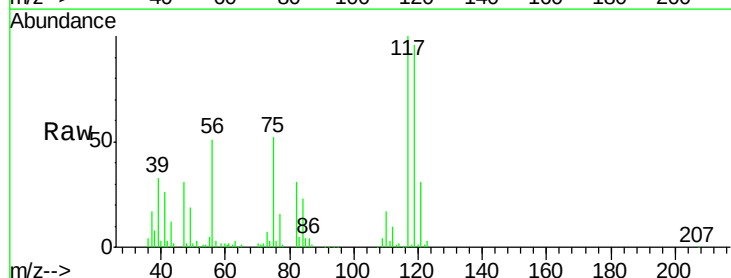
Manual Integrations
APPROVED

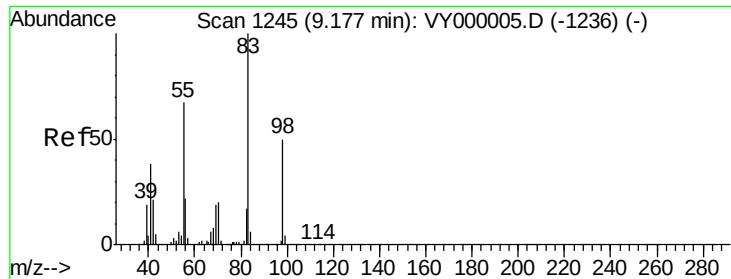
MMDadoda
9/13/2019 11:51:46 PM



#38
Carbon Tetrachloride
Concen: 51.580 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	71.5	107.3
121	30.8	25.3	37.9





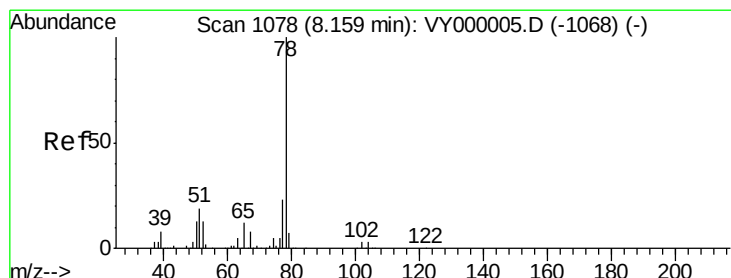
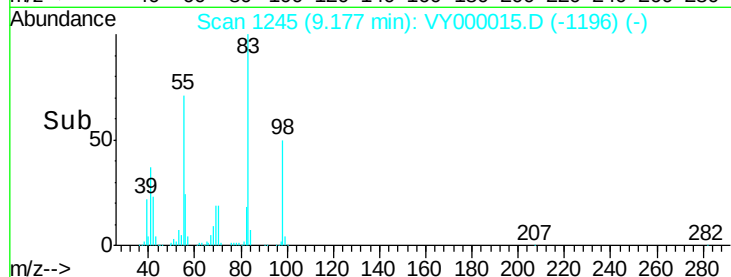
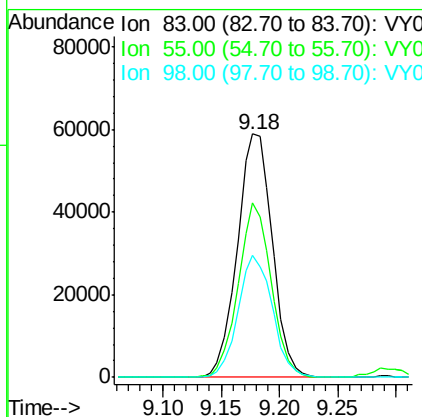
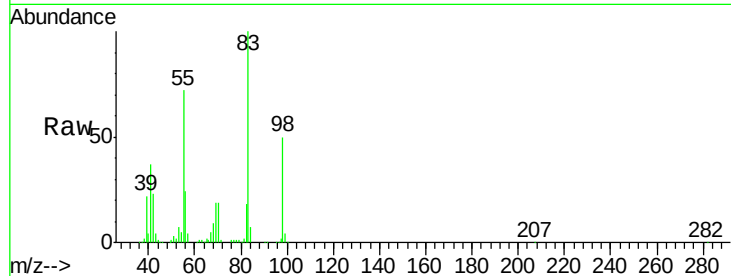
#39
Methylvlcyclohexane
Concen: 51.676 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	53.8	80.6
98	50.3	40.0	60.0

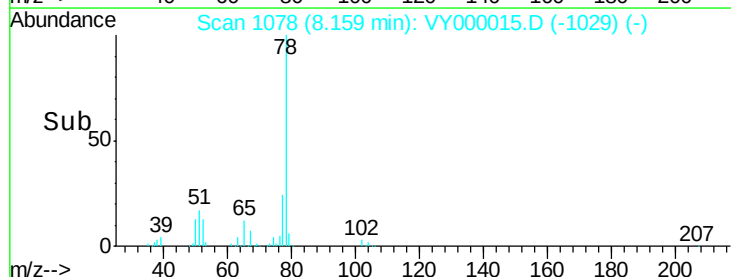
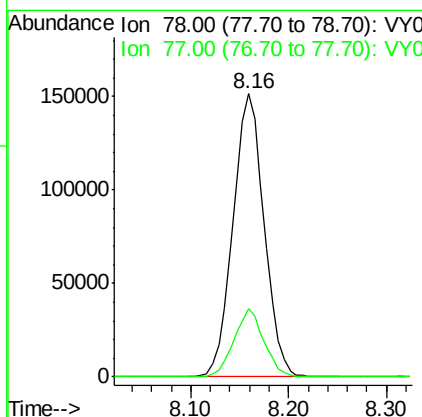
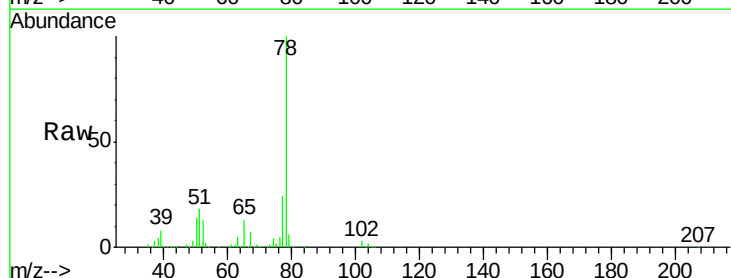
Manual Integrations
APPROVED

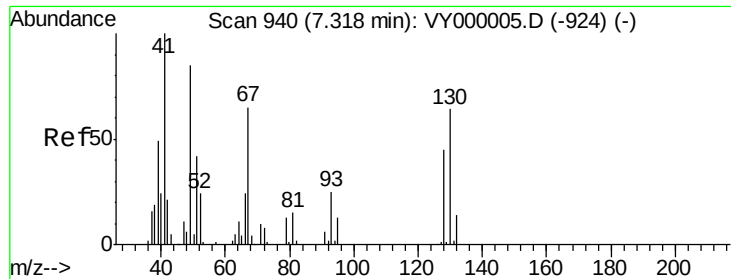
MMDadoda
9/13/2019 11:51:46 PM



#40
Benzene
Concen: 53.560 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.0	27.0





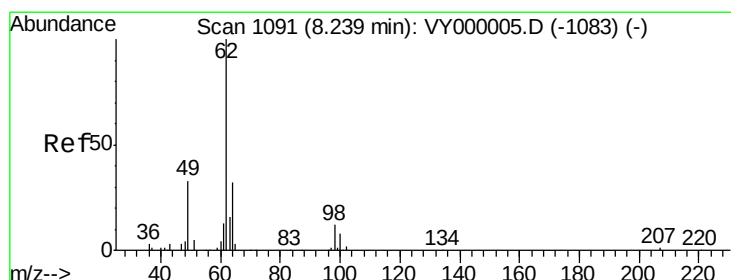
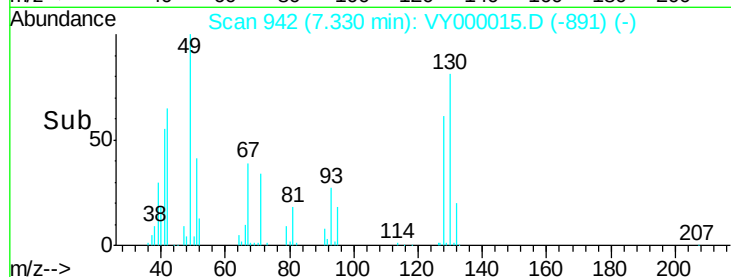
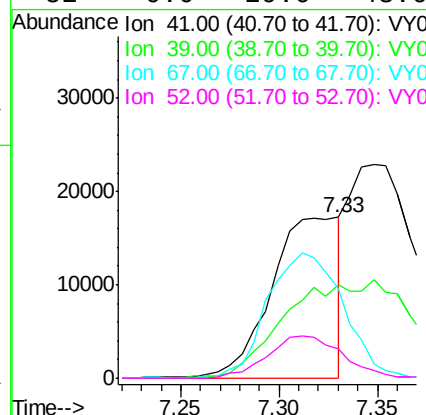
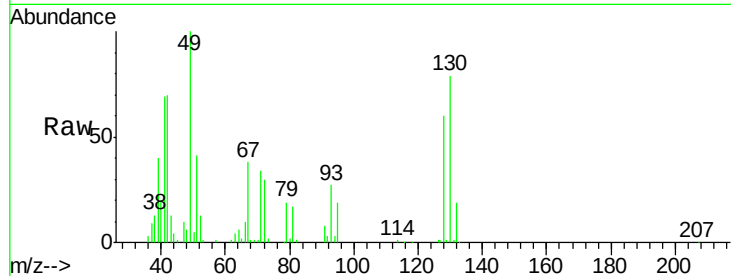
#41
Methacrylonitrile
Concen: 52.300 ug/l m
RT: 7.33 min Scan# 942
Delta R.T. 0.01 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	113.0	48.4	72.6#
67	0.0	76.3	114.5#
52	0.0	29.0	43.6#

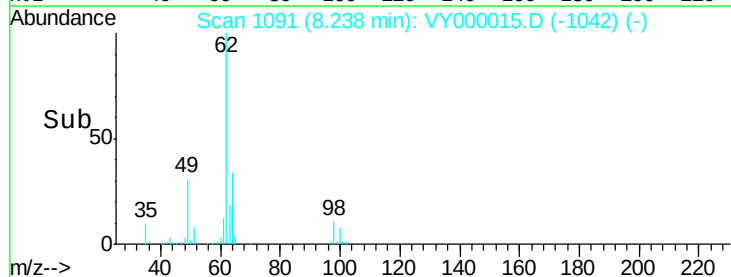
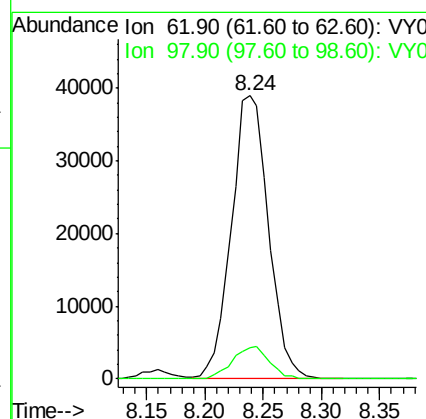
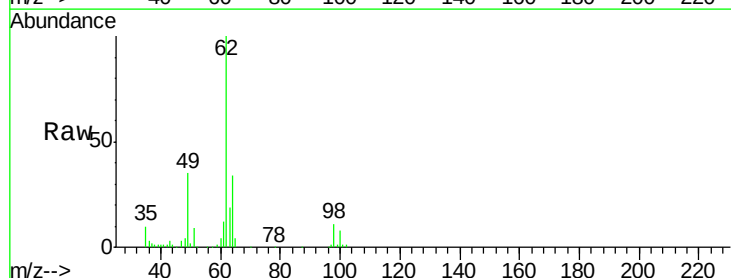
Manual Integrations
APPROVED

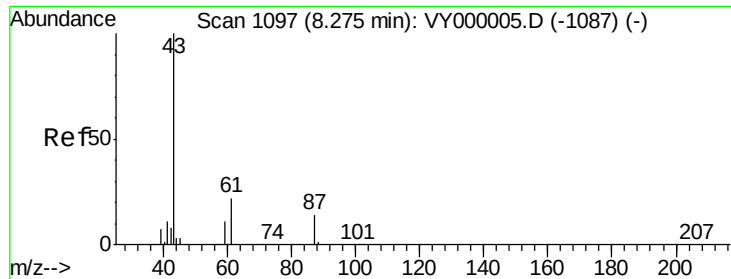
MMDadoda
9/13/2019 11:51:46 PM



#42
1,2-Dichloroethane
Concen: 53.329 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	24.2





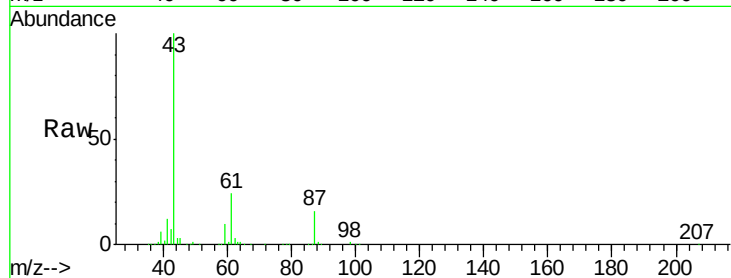
#43
Isopropyl Acetate
Concen: 55.693 ug/l
RT: 8.27 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

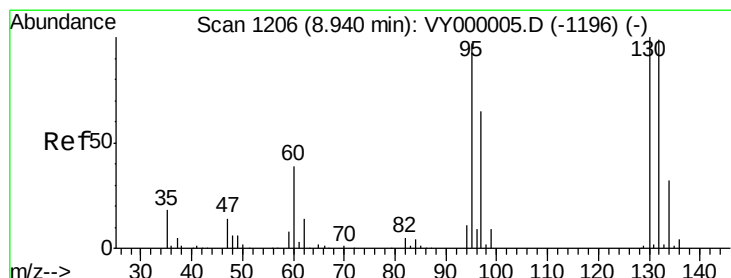
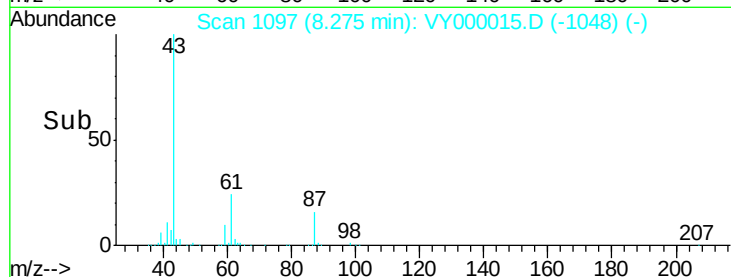
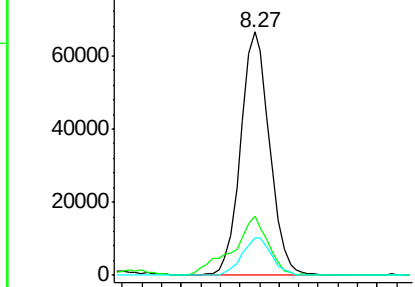
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	25.2	37.8
87	15.9	12.6	18.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:46 PM

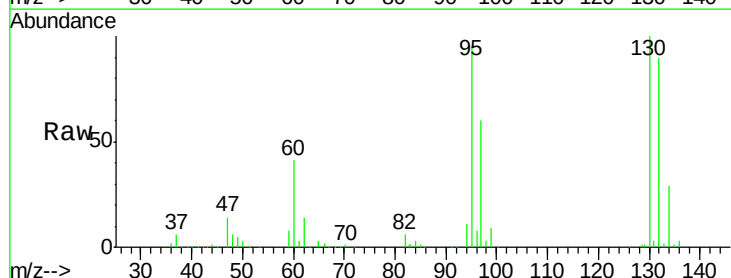


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

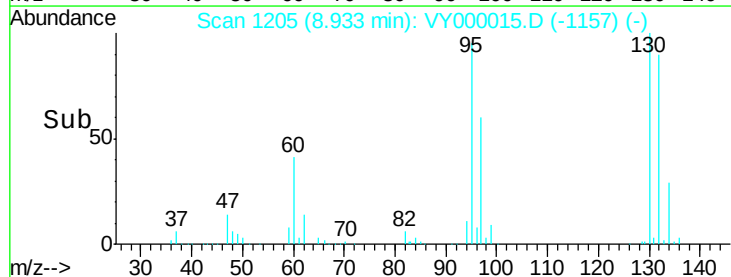
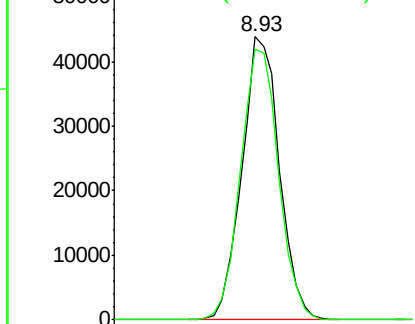


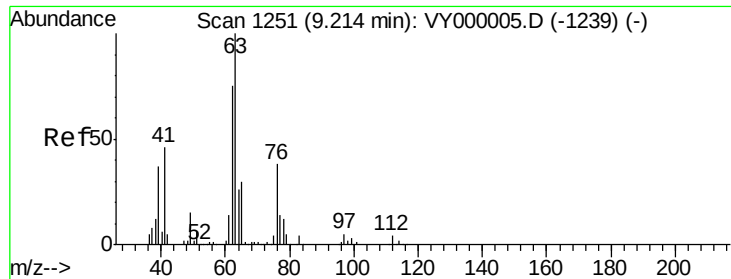
#44
Trichloroethene
Concen: 52.930 ug/l
RT: 8.93 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	194.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





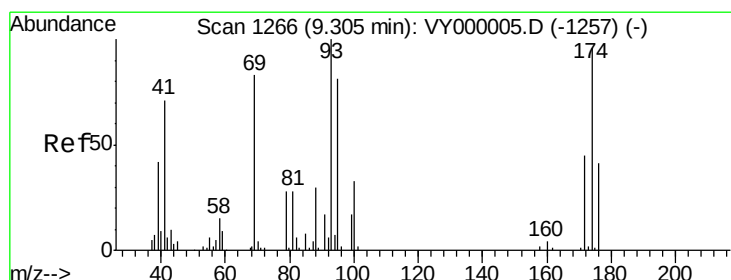
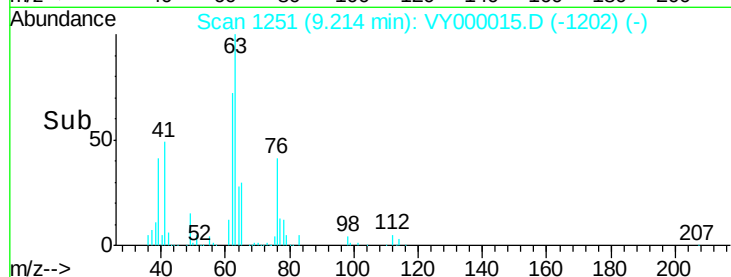
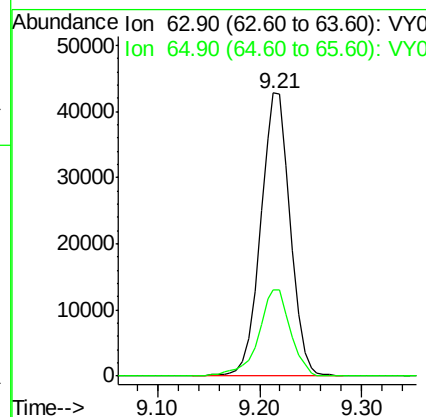
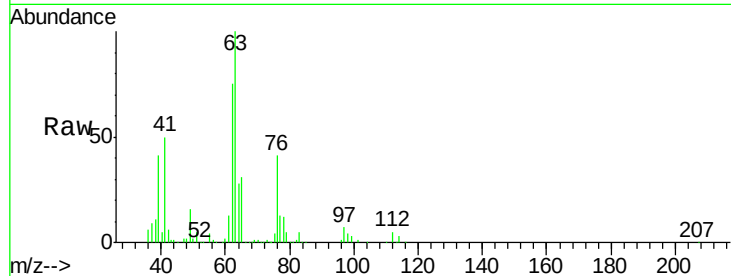
#45
 1,2-Dichloropropane
 Concen: 53.843 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.3	36.5

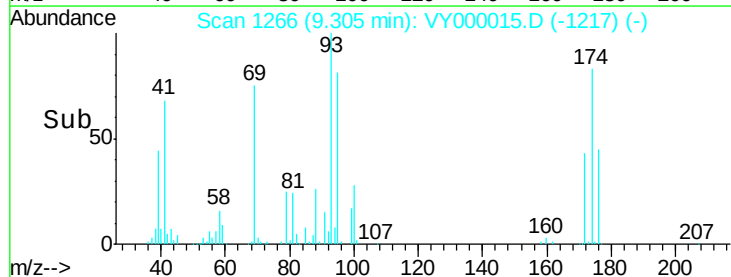
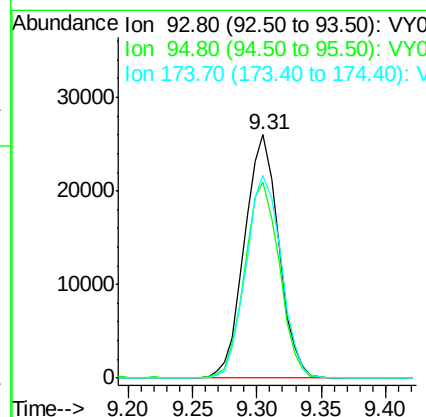
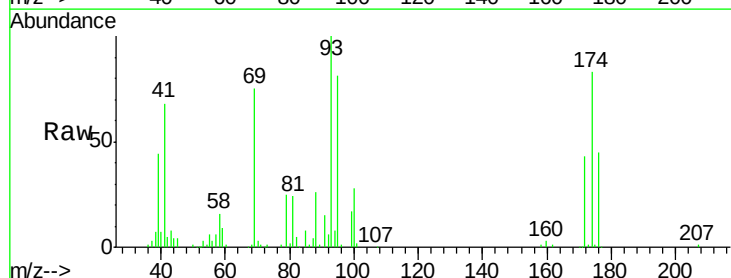
Manual Integrations
 APPROVED

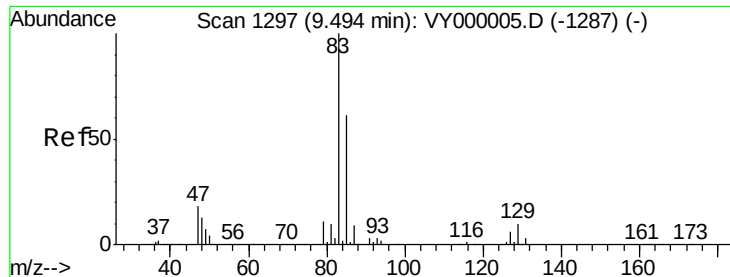
MMDadoda
 9/13/2019 11:51:46 PM



#46
 Dibromomethane
 Concen: 55.486 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	68.1	102.1
174	85.4	72.8	109.2





#47

Bromodichloromethane

Concen: 55.245 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

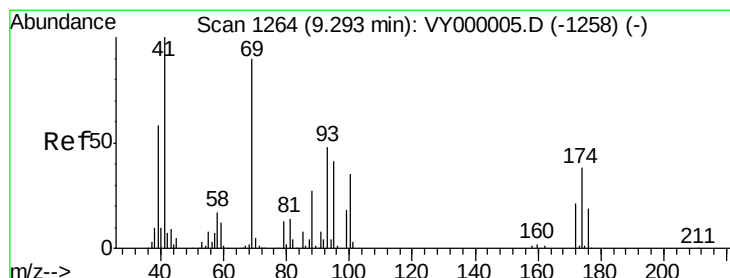
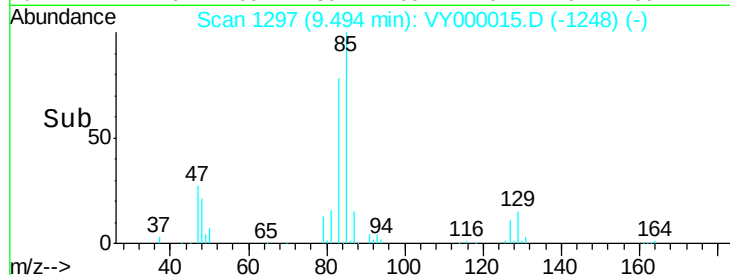
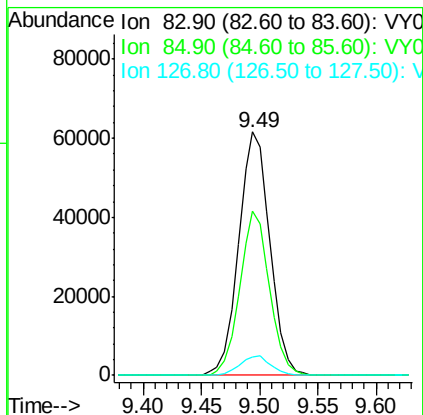
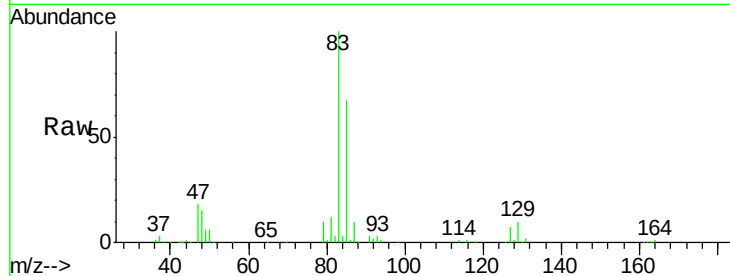
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	114407
Ion	Ratio	Lower	Upper
83	100		
85	67.3	49.2	73.8
127	7.4	5.0	7.6

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:46 PM



#48

Methyl methacrylate

Concen: 56.137 ug/l

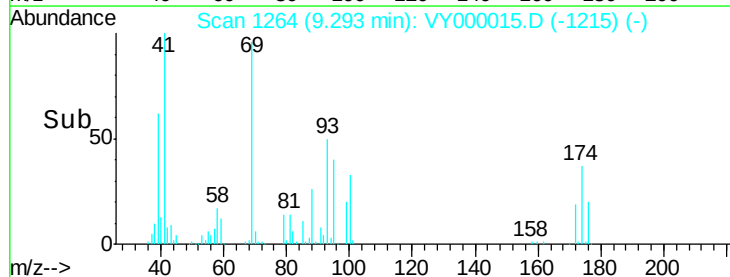
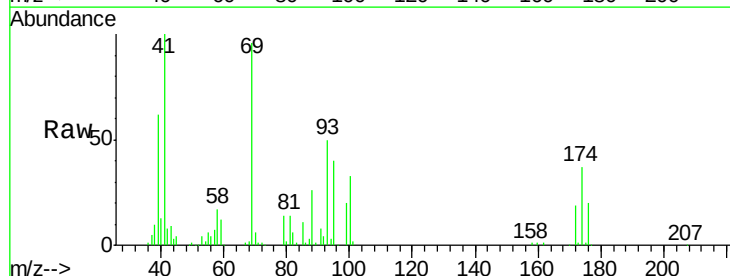
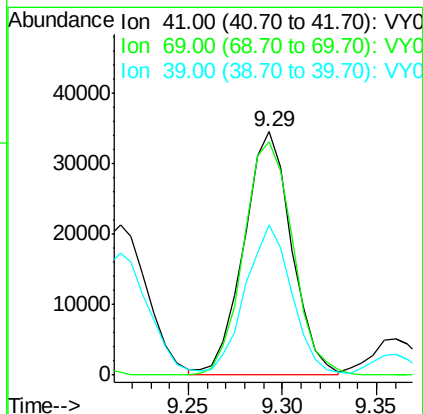
RT: 9.29 min Scan# 1264

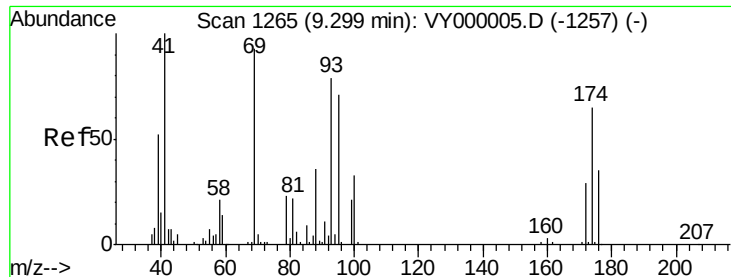
Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Tgt Ion:	41	Resp:	60347
Ion	Ratio	Lower	Upper
41	100		
69	99.8	77.4	116.2
39	61.0	47.4	71.2





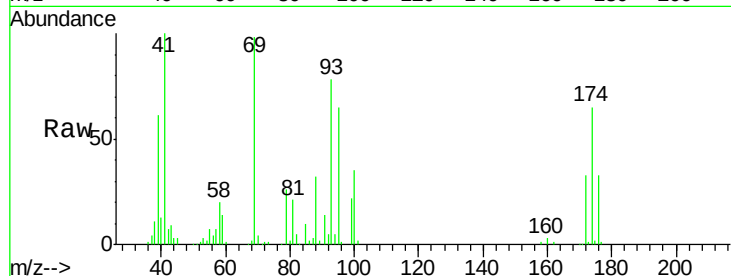
#49
1,4-Dioxane
Concen: 1120.327 ug/l
RT: 9.30 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

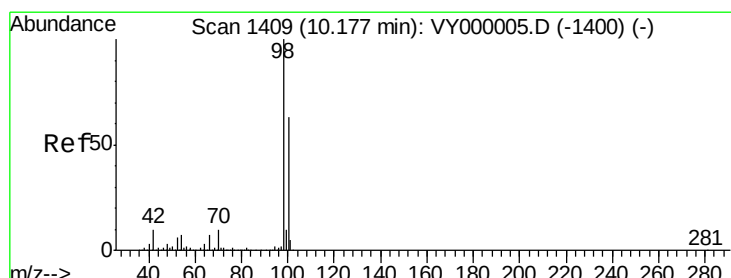
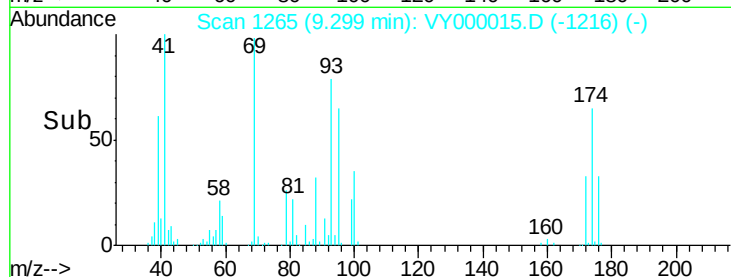
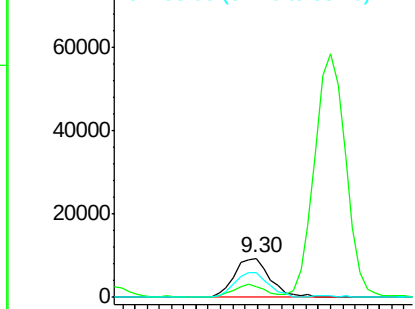
Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	29.6	23.4	35.2	
58	62.0	46.1	69.1	

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:46 PM

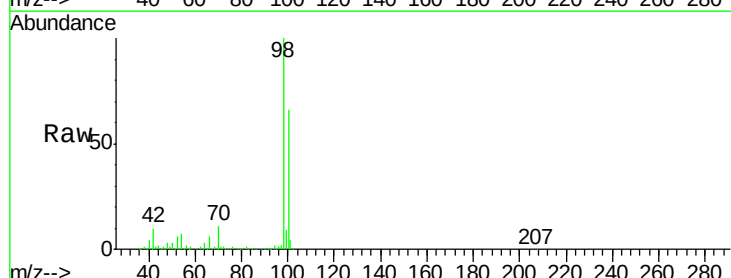


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

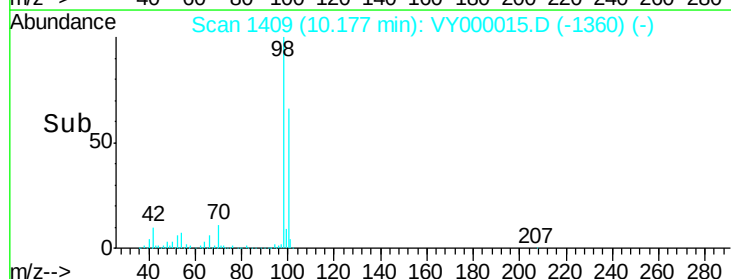
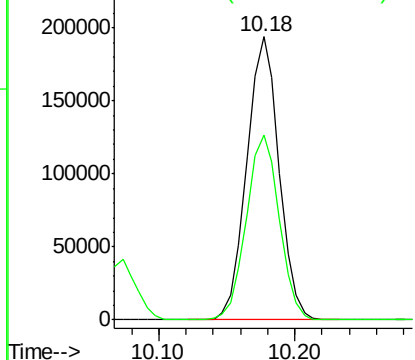


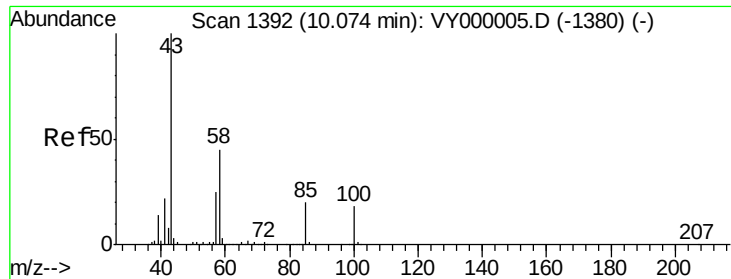
#50
Toluene-d8
Concen: 52.697 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.8	52.2	78.4	



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





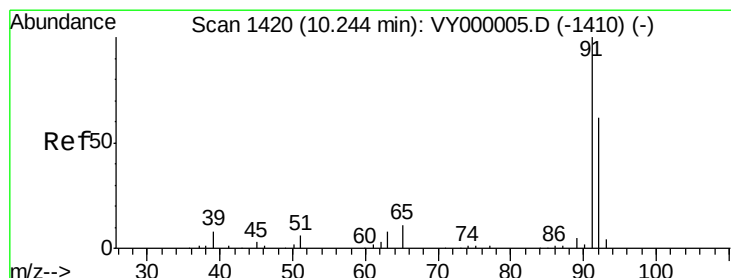
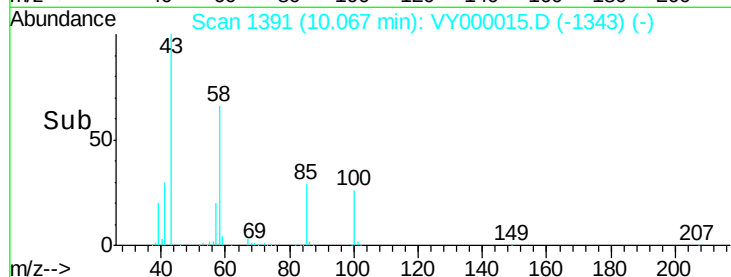
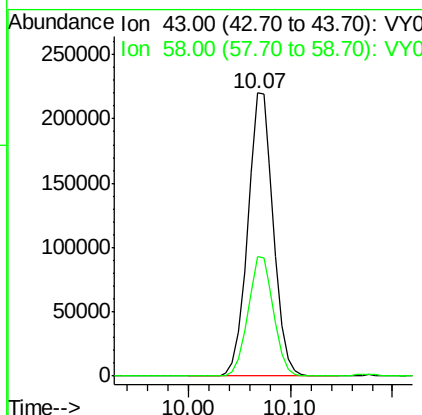
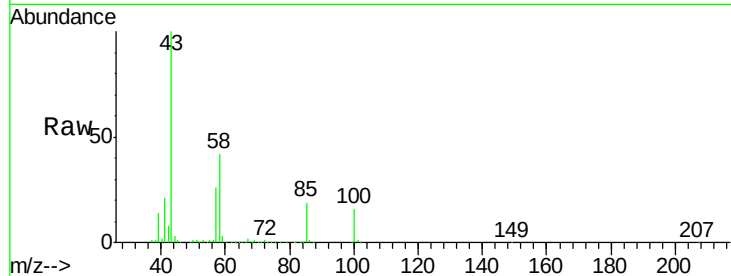
#51
4-Methyl-2-Pentanone
Concen: 285.344 ug/l
RT: 10.07 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	382241
Ion Ratio	43	100	Lower Upper
	58	42.1	34.1 51.1

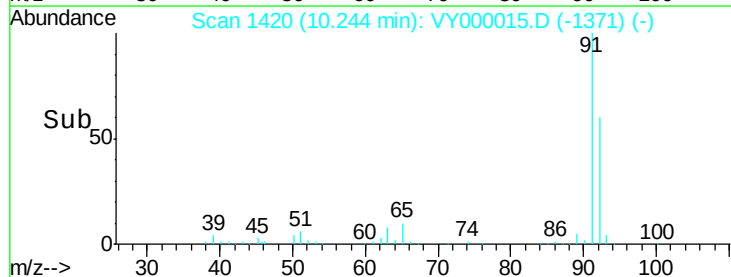
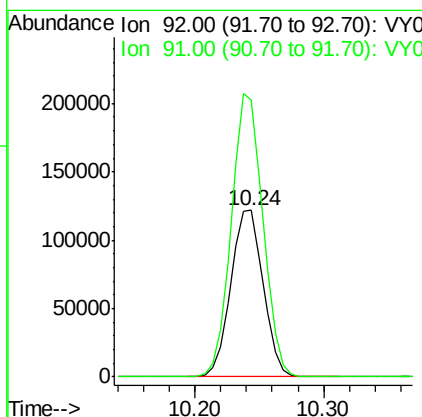
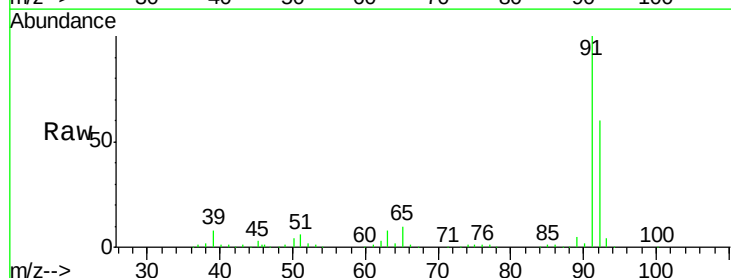
Manual Integrations
APPROVED

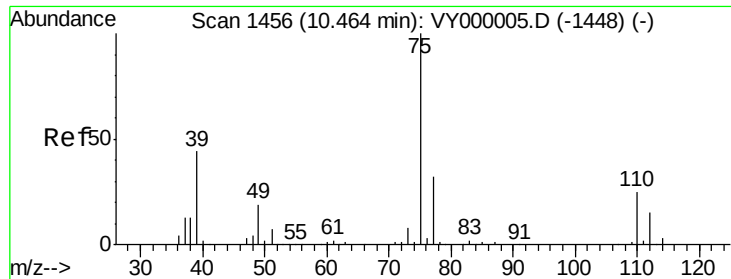
MMDadoda
9/13/2019 11:51:46 PM



#52
Toluene
Concen: 54.309 ug/l
RT: 10.24 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	92	Resp	212829
Ion Ratio	92	100	Lower Upper
	91	166.1	136.5 204.7





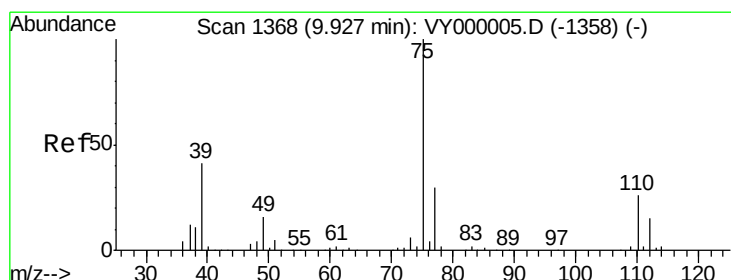
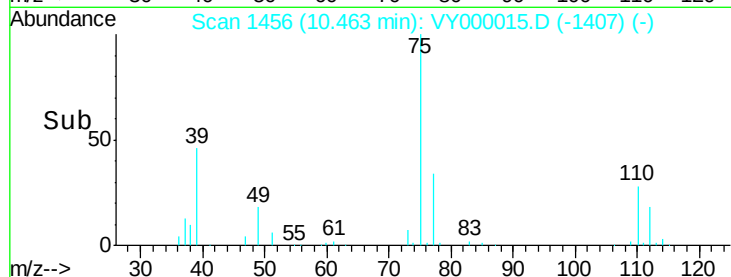
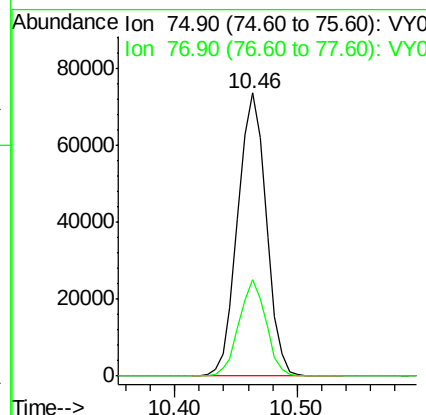
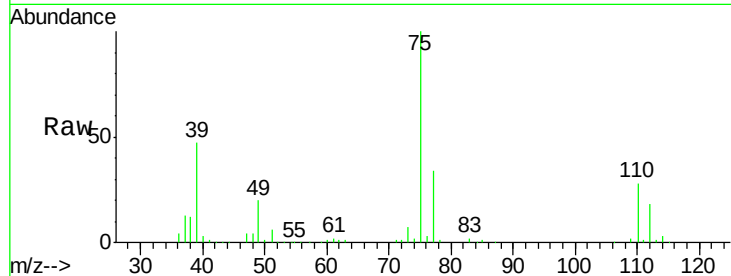
#53
 t-1,3-Dichloropropene
 Concen: 54.325 ug/l
 RT: 10.46 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 118183
 Ion Ratio Lower Upper
 75 100
 77 34.2 25.8 38.8

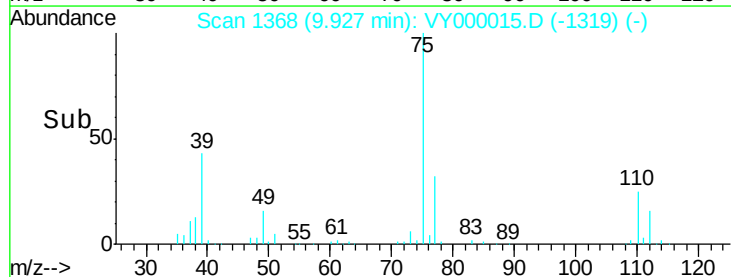
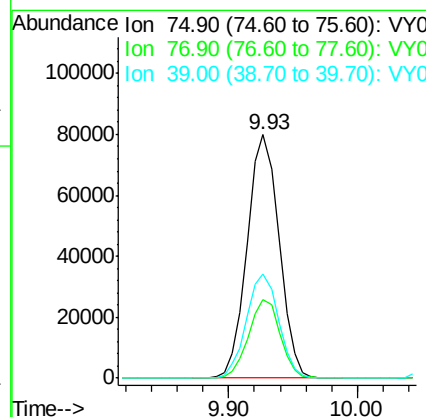
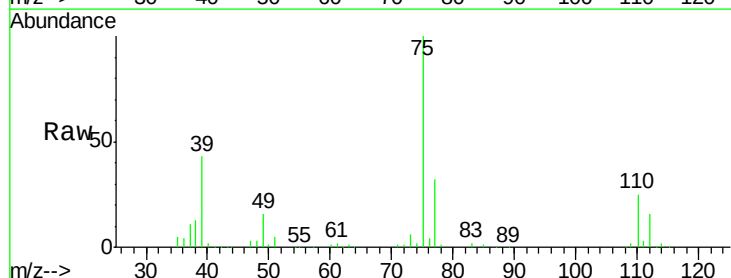
Manual Integrations
 APPROVED

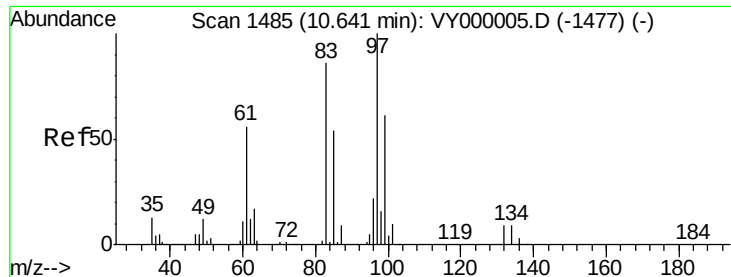
MMDadoda
 9/13/2019 11:51:46 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.768 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Tgt Ion: 75 Resp: 136553
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.1 36.1
 39 42.6 33.0 49.4





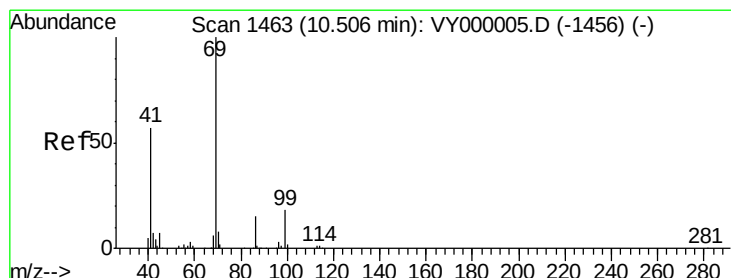
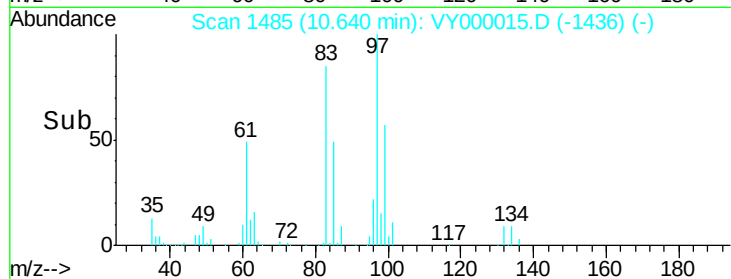
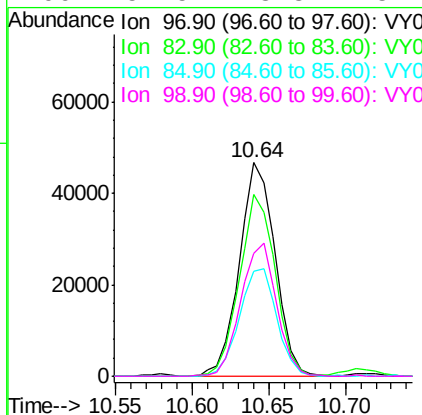
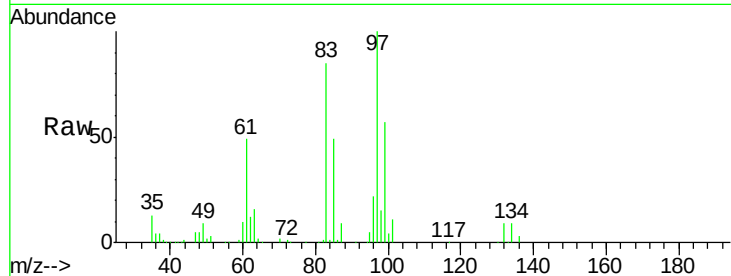
#55
 1,1,2-Trichloroethane
 Concen: 56.414 ug/l
 RT: 10.64 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	75599
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.4	102.6
85	48.9	43.0	64.6
99	57.5	48.8	73.2

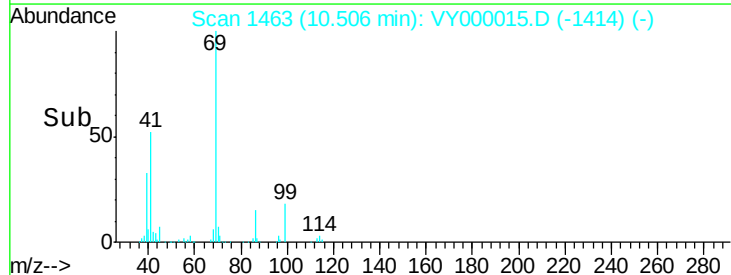
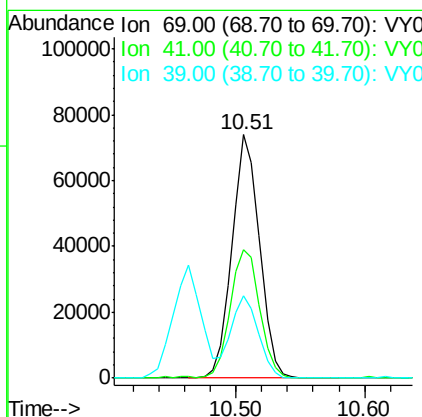
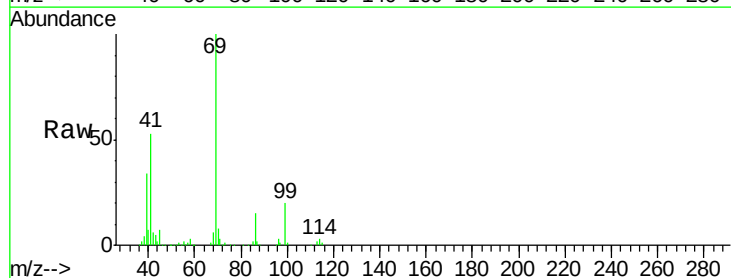
Manual Integrations
 APPROVED

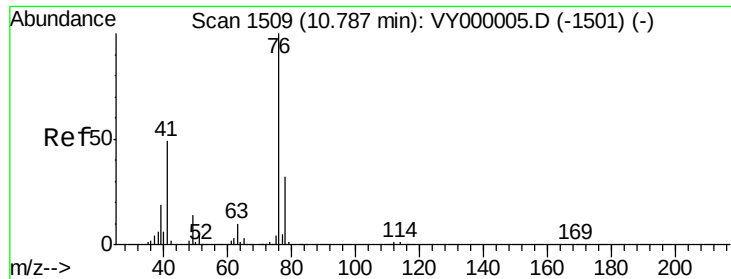
MMDadoda
 9/13/2019 11:51:46 PM



#56
 Ethyl methacrylate
 Concen: 57.254 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Tgt Ion:	69	Resp:	110456
Ion	Ratio	Lower	Upper
69	100		
41	57.2	46.3	69.5
39	34.8	25.8	38.6





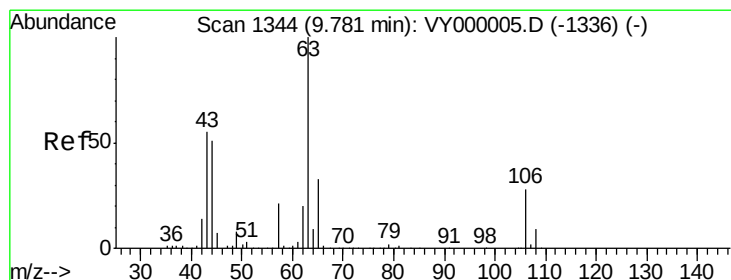
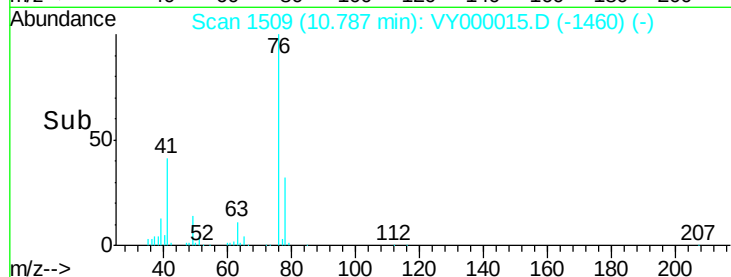
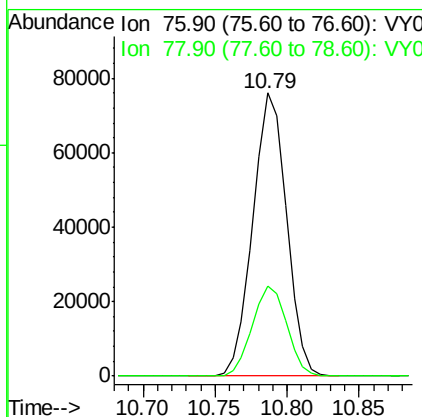
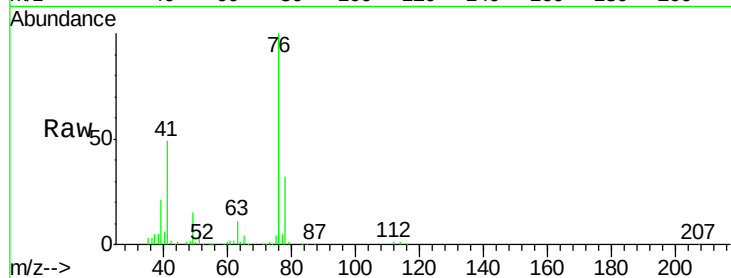
#57
 1,3-Dichloropropane
 Concen: 55.600 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

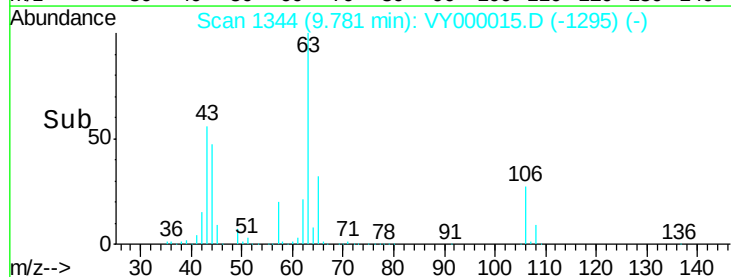
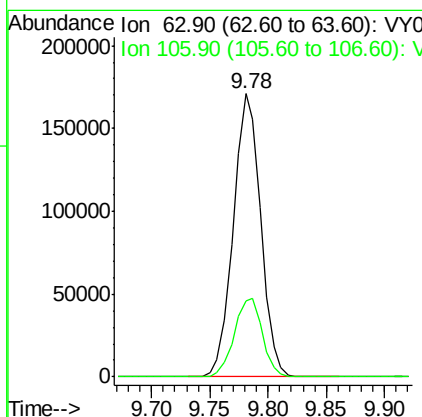
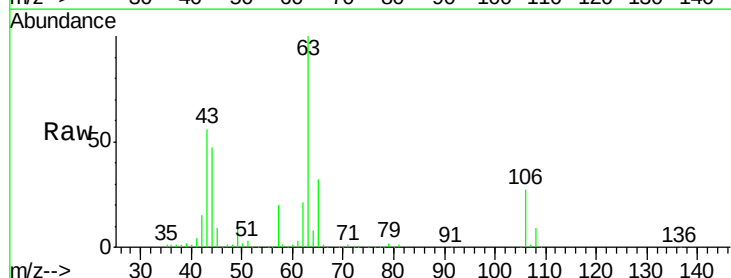
Manual Integrations
 APPROVED

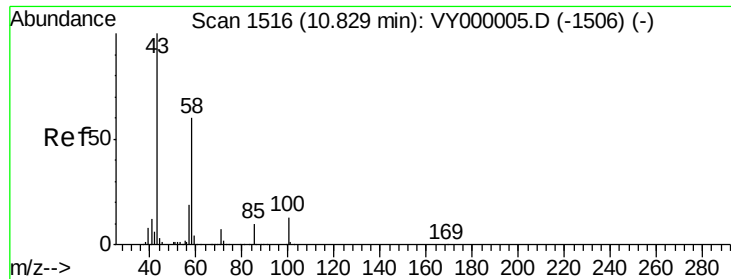
MMDadoda
 9/13/2019 11:51:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.661 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.3	34.9





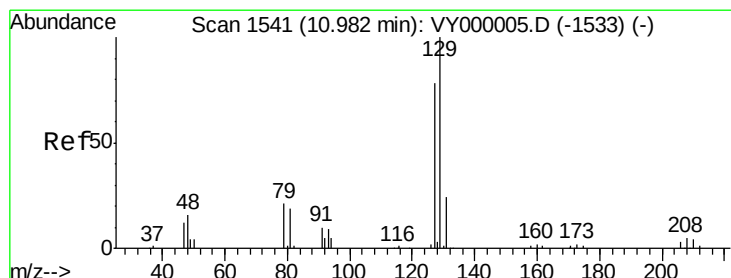
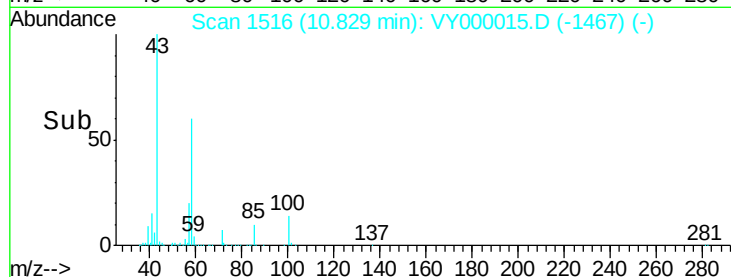
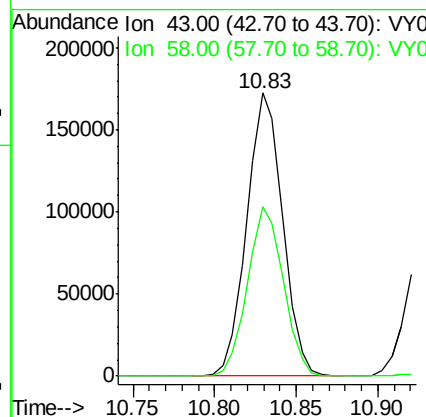
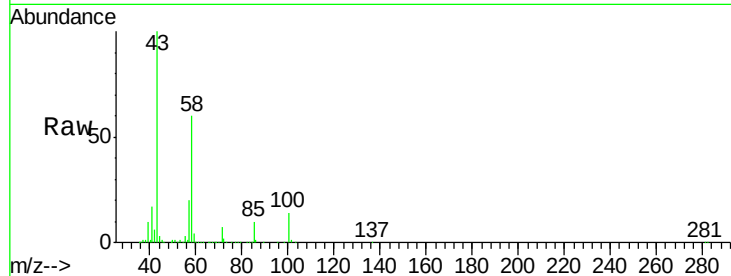
#59
2-Hexanone
Concen: 277.077 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.1	29.8	89.5

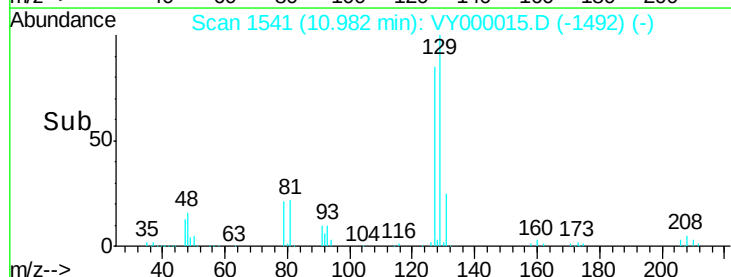
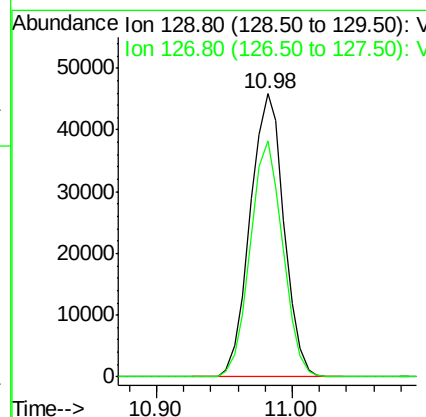
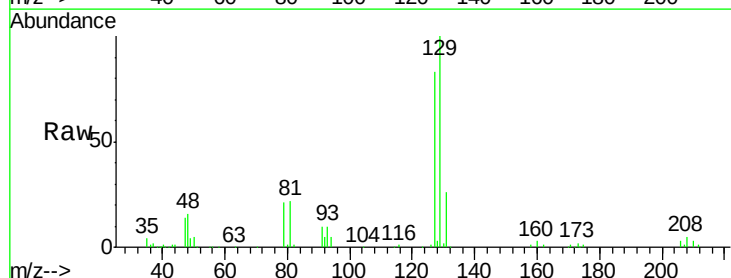
Manual Integrations
APPROVED

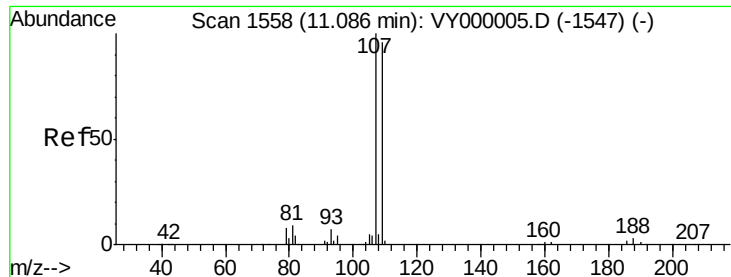
MMDadoda
9/13/2019 11:51:46 PM



#60
Dibromochloromethane
Concen: 55.951 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.1	39.2	117.6





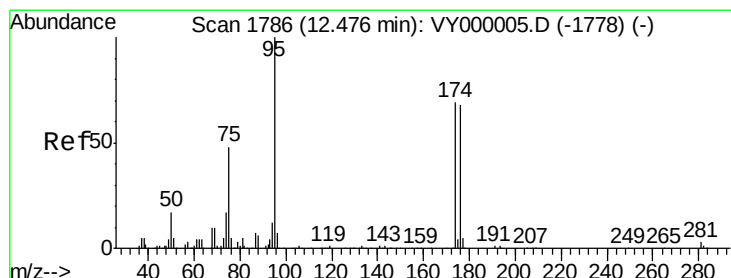
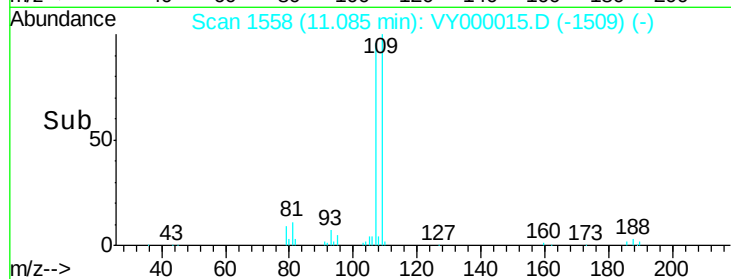
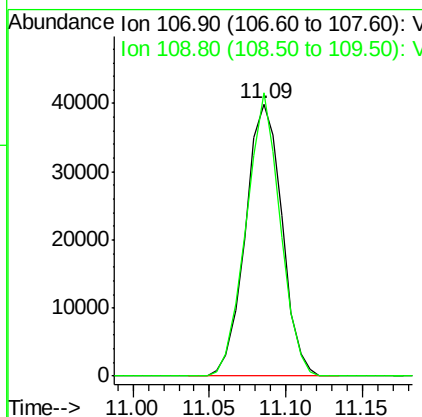
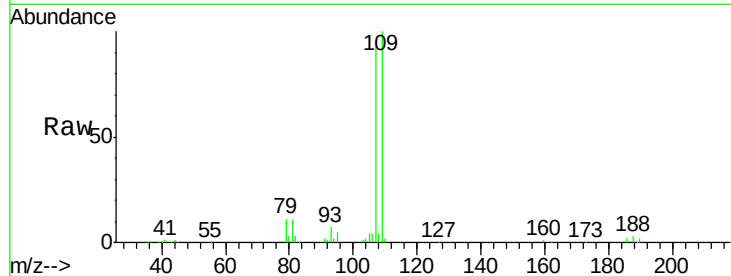
#61
 1,2-Dibromoethane
 Concen: 53.843 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 66374
 Ion Ratio Lower Upper
 107 100
 109 97.0 73.2 109.8

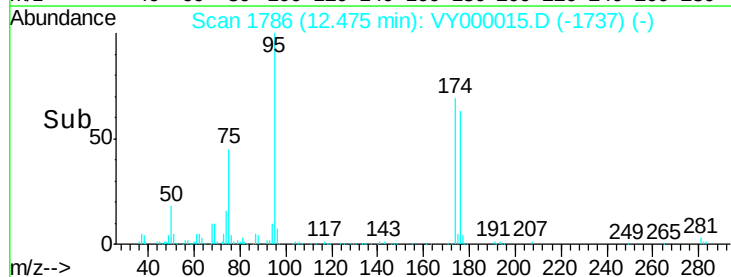
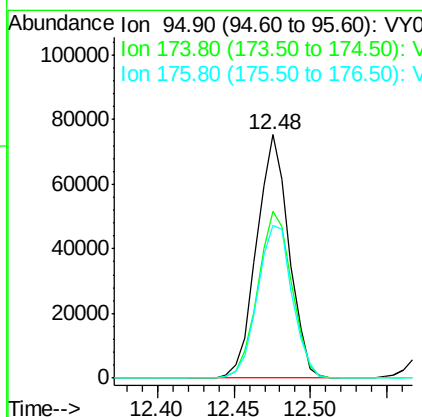
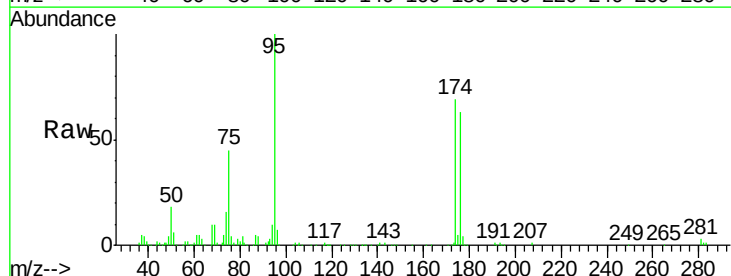
Manual Integrations
 APPROVED

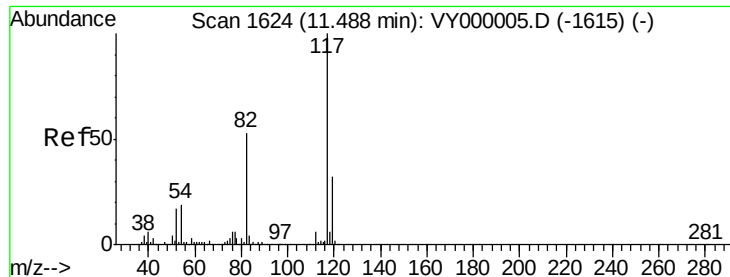
MMDadoda
 9/13/2019 11:51:46 PM



#62
 4-Bromofluorobenzene
 Concen: 51.209 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Tgt Ion: 95 Resp: 110963
 Ion Ratio Lower Upper
 95 100
 174 72.0 0.0 145.8
 176 67.8 0.0 138.0





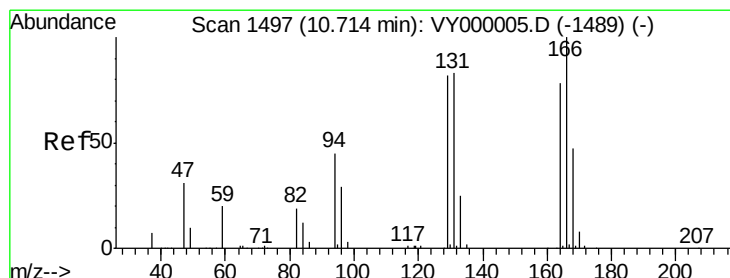
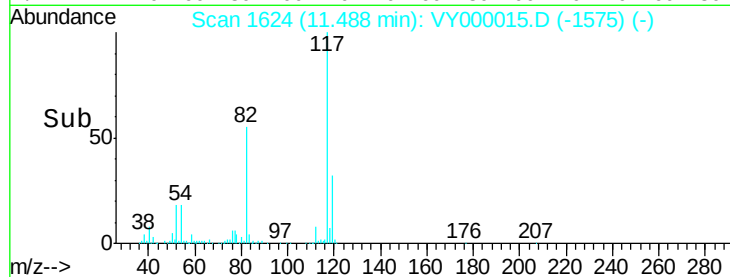
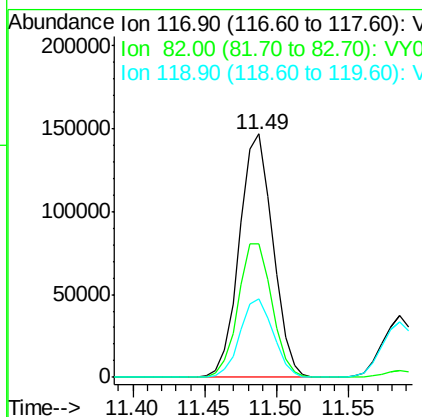
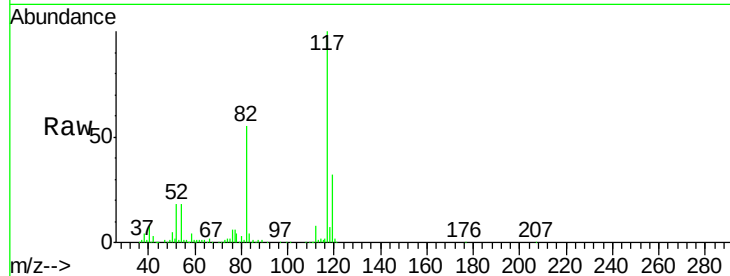
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.3	63.5
119	32.2	25.8	38.8

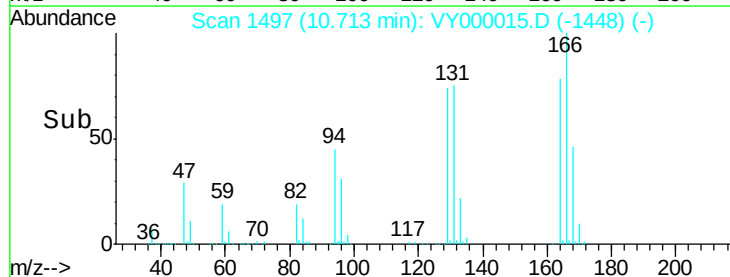
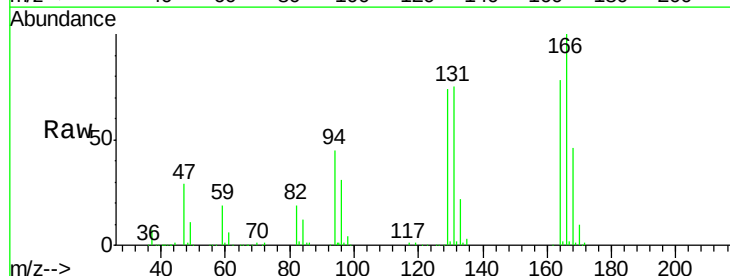
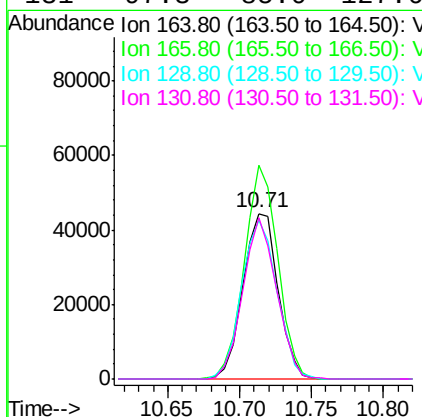
Manual Integrations
APPROVED

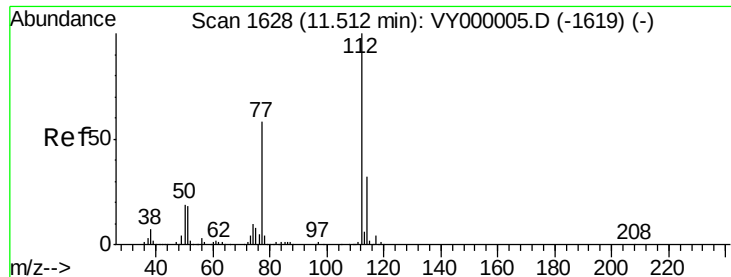
MMDadoda
9/13/2019 11:51:46 PM



#64
Tetrachloroethene
Concen: 51.392 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.5	153.7
129	96.0	83.8	125.8
131	97.3	85.0	127.6





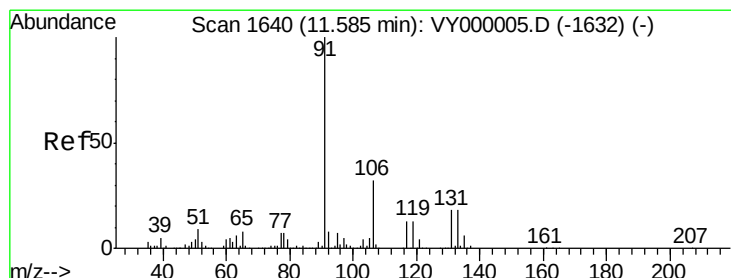
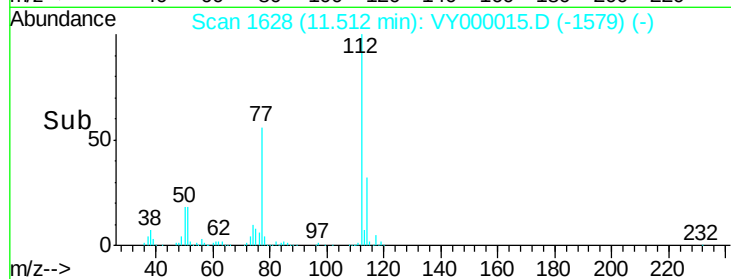
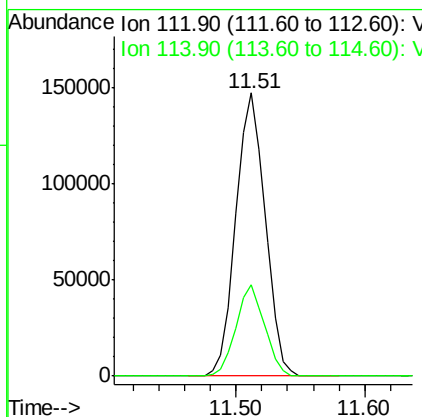
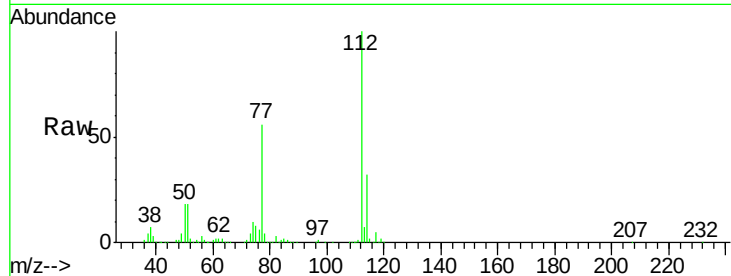
#65
Chlorobenzene
Concen: 53.168 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.4	38.2

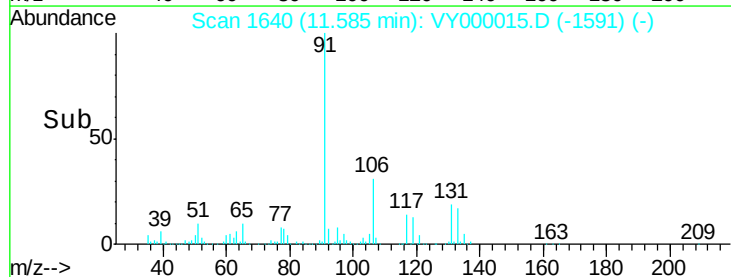
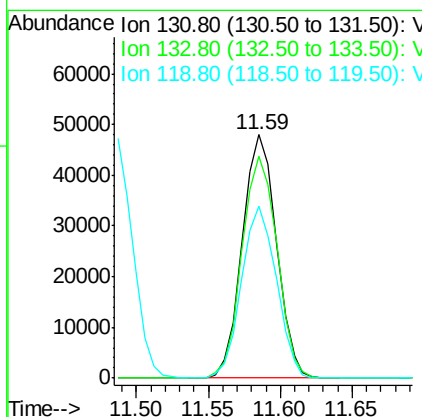
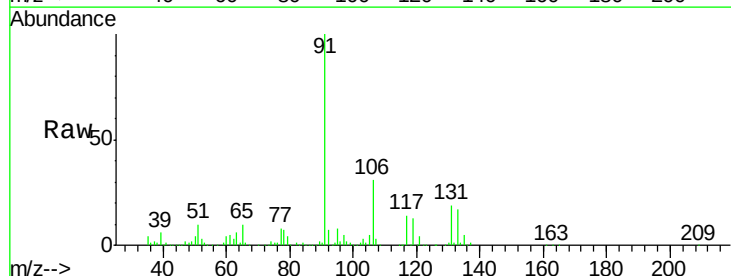
Manual Integrations
APPROVED

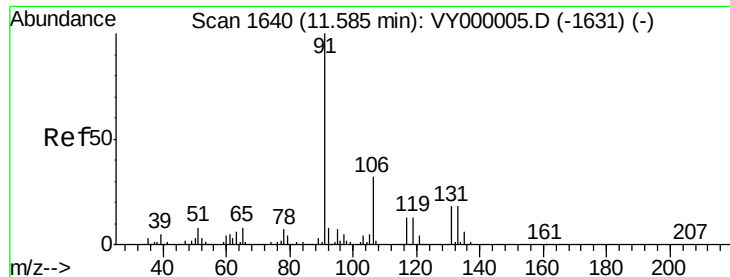
MMDadoda
9/13/2019 11:51:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.066 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.5	48.7	146.1
119	72.0	35.8	107.3





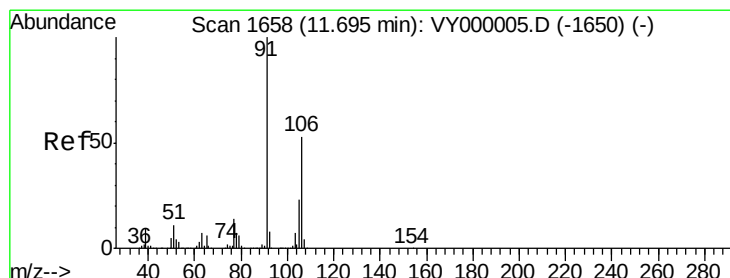
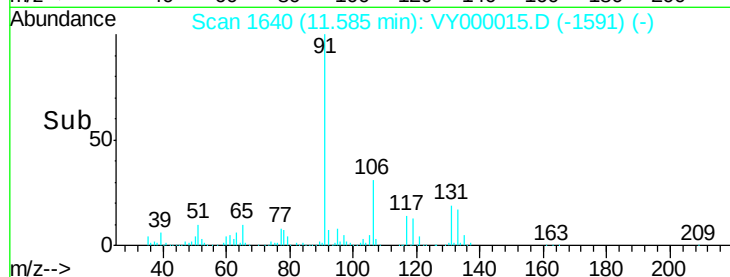
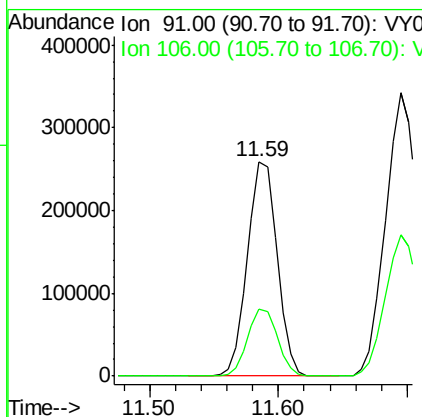
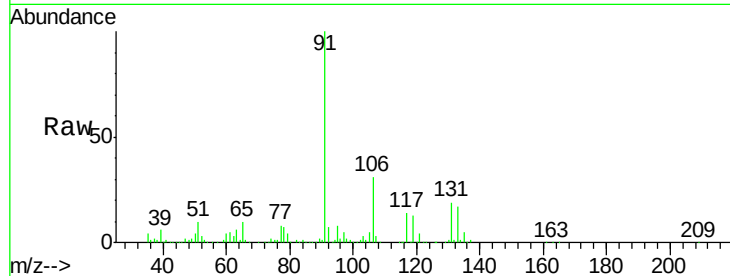
#67
Ethyl Benzene
Concen: 51.347 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.4	38.2

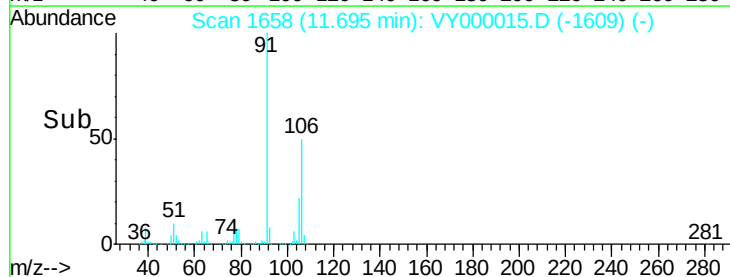
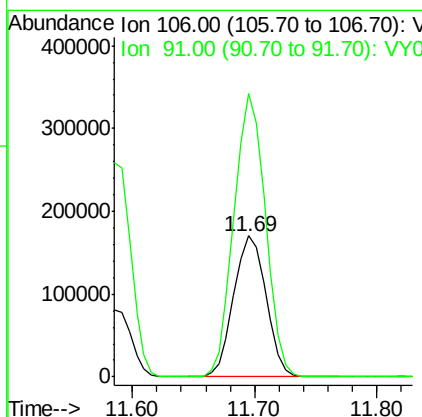
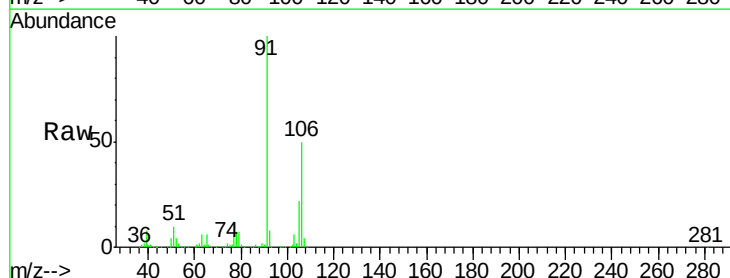
Manual Integrations
APPROVED

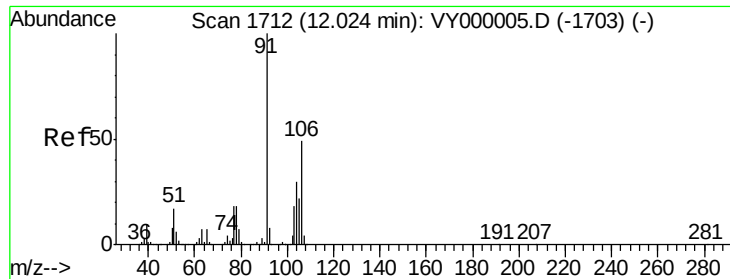
MMDadoda
9/13/2019 11:51:46 PM



#68
m/p-Xylenes
Concen: 102.636 ug/l
RT: 11.69 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.2	157.1	235.7





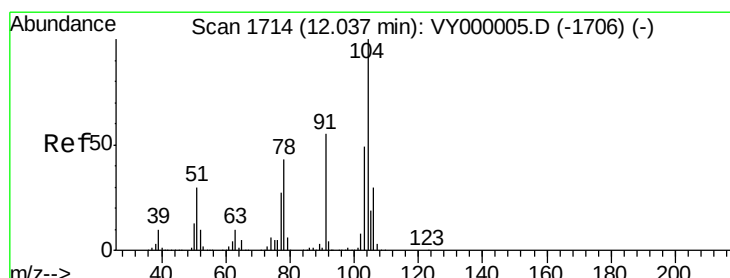
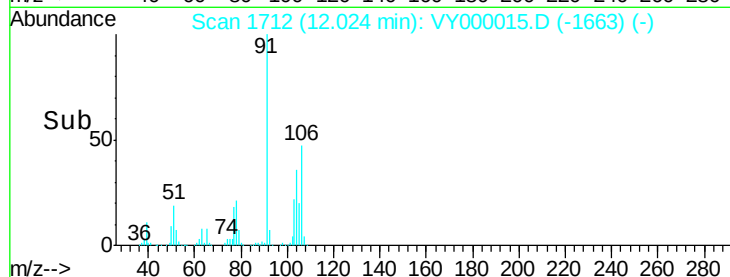
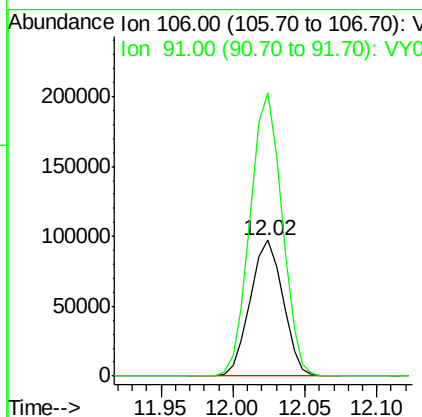
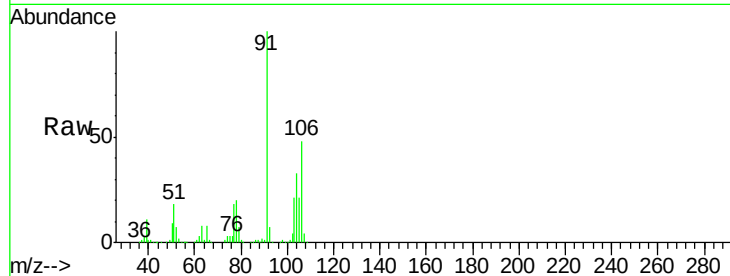
#69
o-Xylene
Concen: 52.423 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.5	100.6	301.8

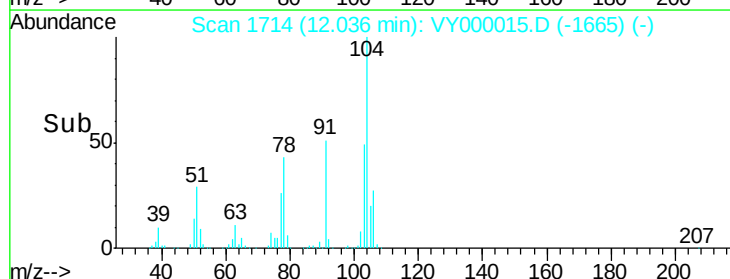
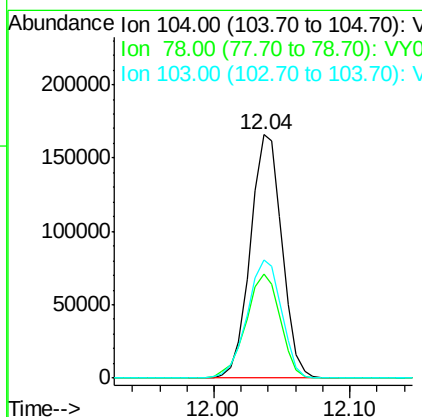
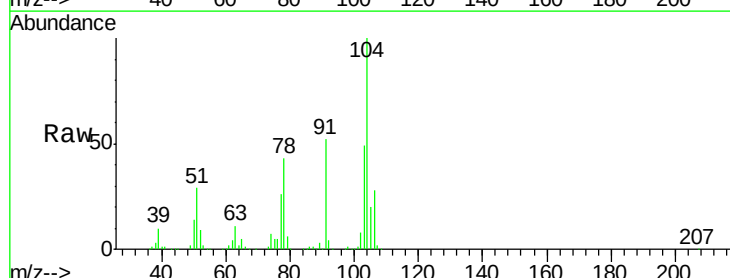
Manual Integrations
APPROVED

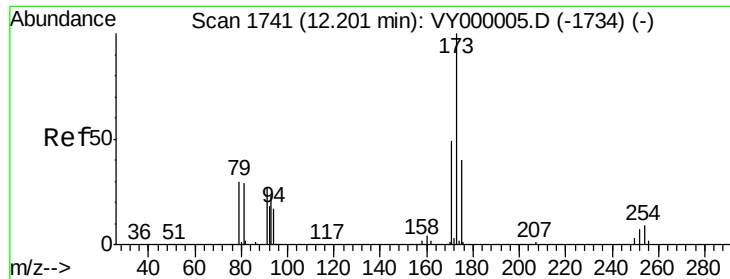
MMDadoda
9/13/2019 11:51:46 PM



#70
Styrene
Concen: 52.938 ug/l
RT: 12.04 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.3	37.6	56.4
103	52.7	42.6	63.8





#71

Bromoform

Concen: 54.402 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 48988

Ion Ratio Lower Upper

173 100

175 47.6 23.8 71.5

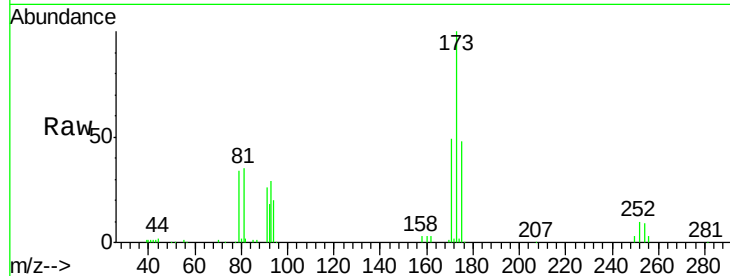
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

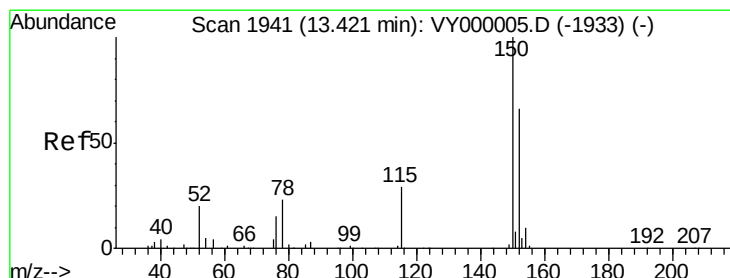
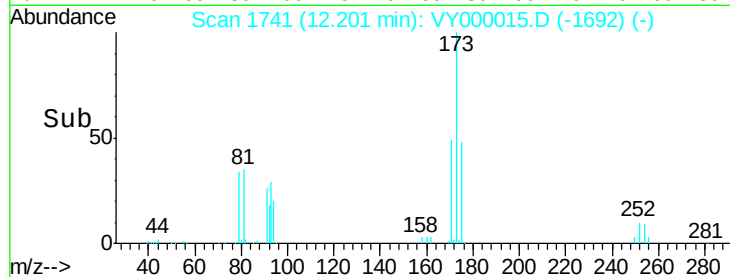
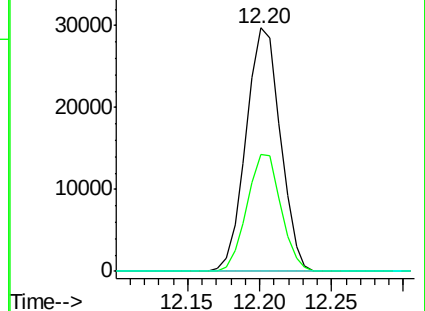
9/13/2019 11:51:46 PM



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: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

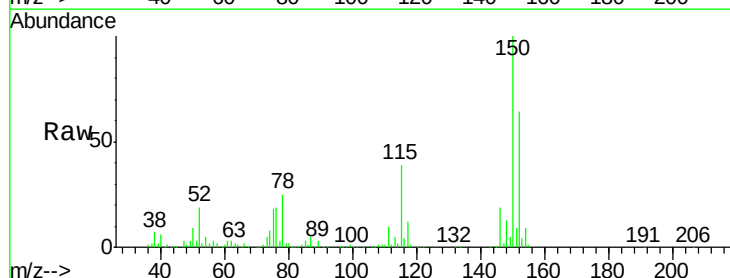
Tgt Ion:152 Resp: 102895

Ion Ratio Lower Upper

152 100

115 61.6 30.3 91.0

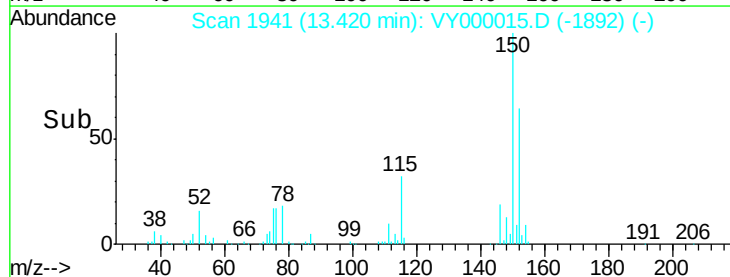
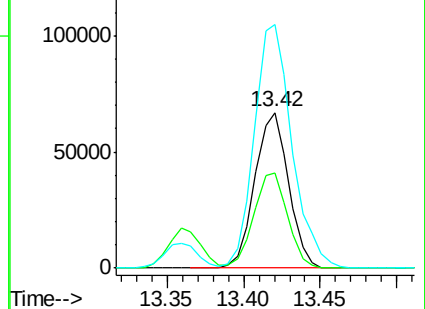
150 174.2 0.0 347.4

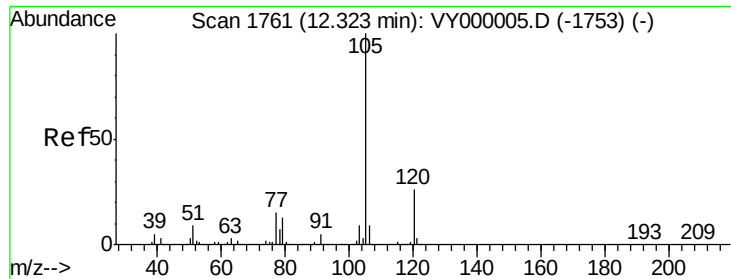


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.424 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 400075

Ion Ratio Lower Upper

105 100

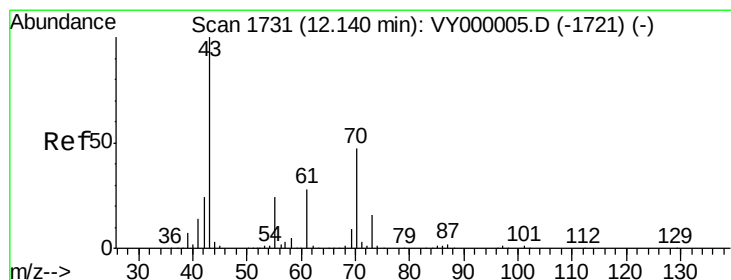
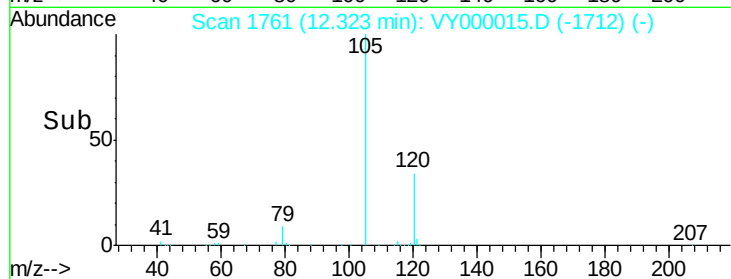
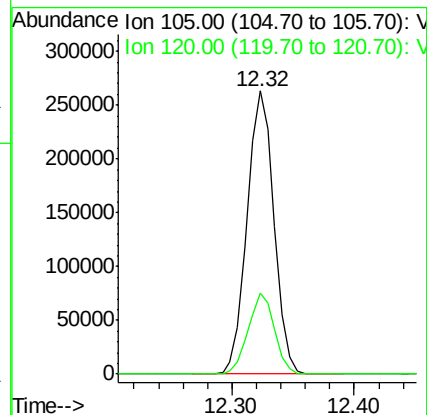
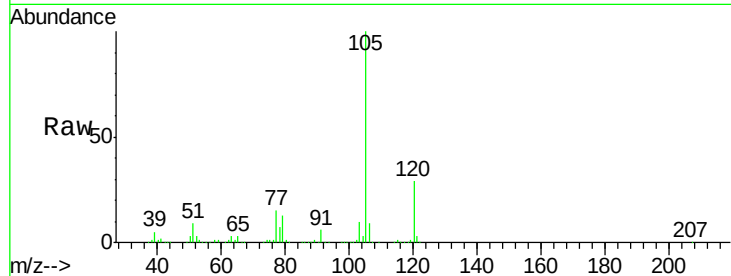
120 28.0 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:51:46 PM



#74

N-ethyl acetate

Concen: 56.761 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Tgt Ion: 43 Resp: 122559

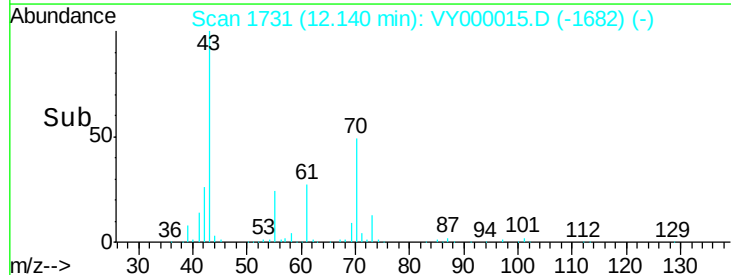
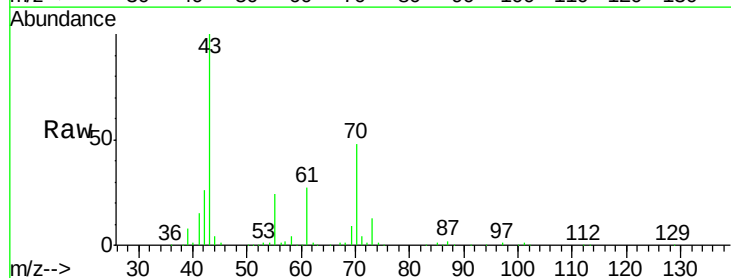
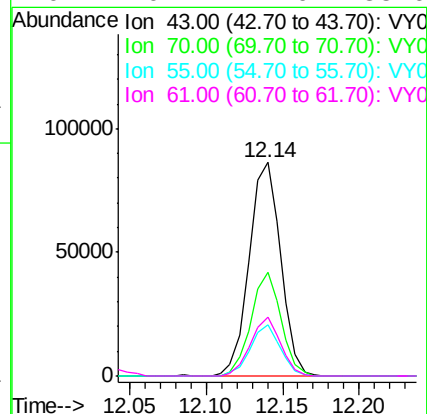
Ion Ratio Lower Upper

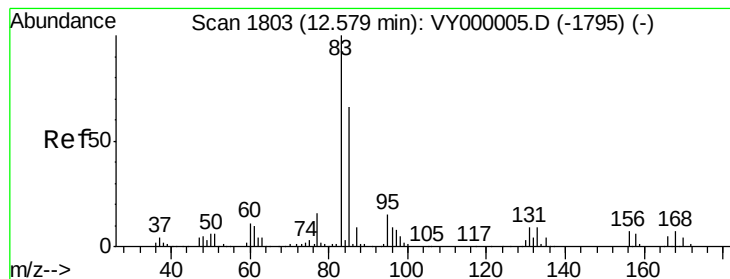
43 100

70 46.7 38.1 57.1

55 23.3 19.9 29.9

61 26.2 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.018 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

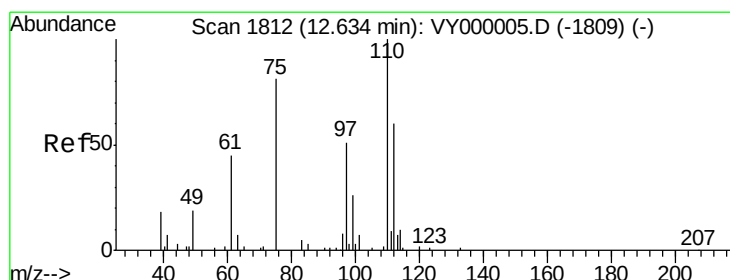
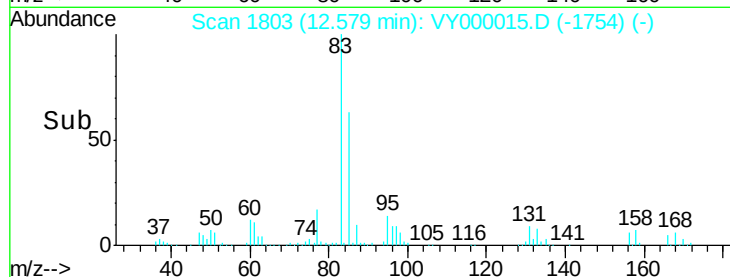
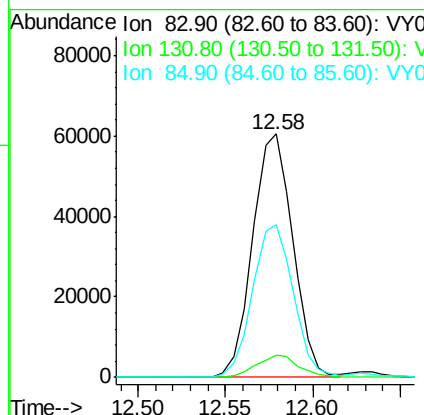
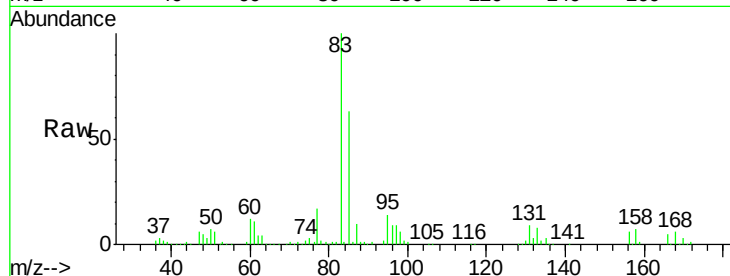
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	96819
Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	14.9
85	63.5	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:46 PM



#76

1,2,3-Trichloropropane

Concen: 53.046 ug/l m

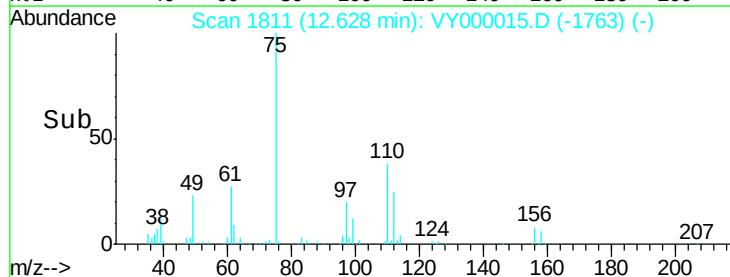
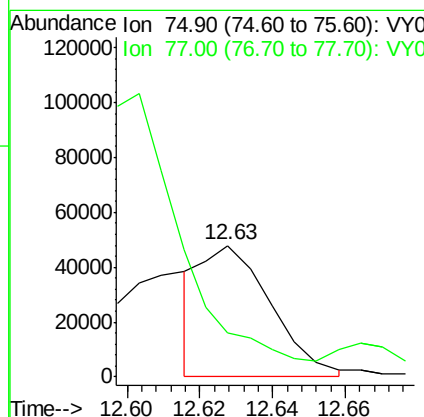
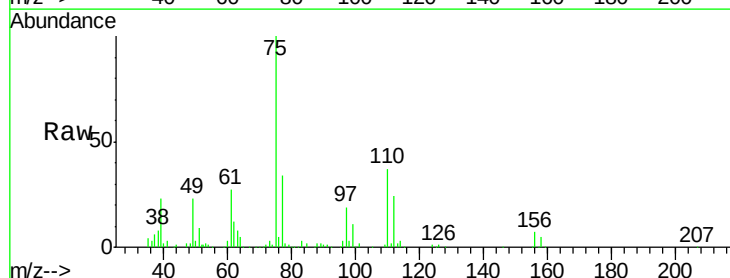
RT: 12.63 min Scan# 1811

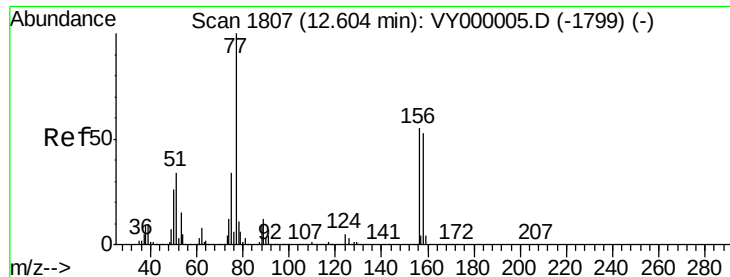
Delta R.T. -0.01 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Tgt Ion:	75	Resp:	64410
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.604 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 87229

Ion Ratio Lower Upper

156 100

77 216.1 106.5 319.6

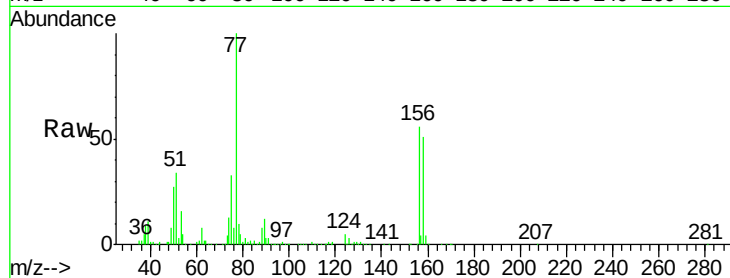
158 95.9 48.2 144.6

Manual Integrations

APPROVED

MMDadoda

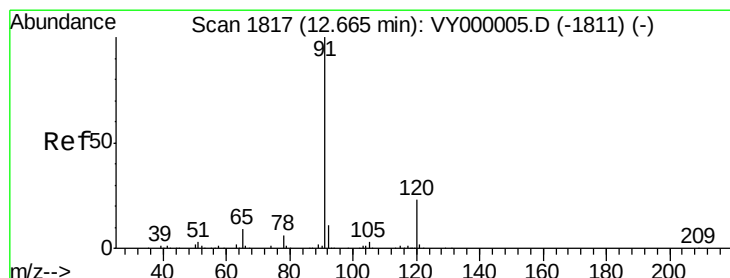
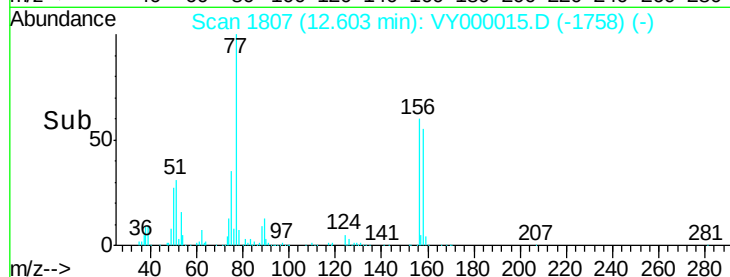
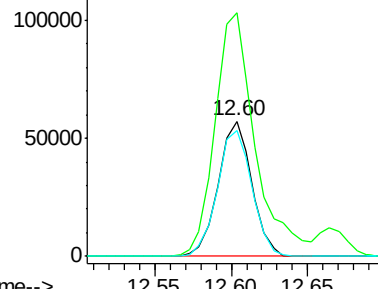
9/13/2019 11:51:46 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.035 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000015.D

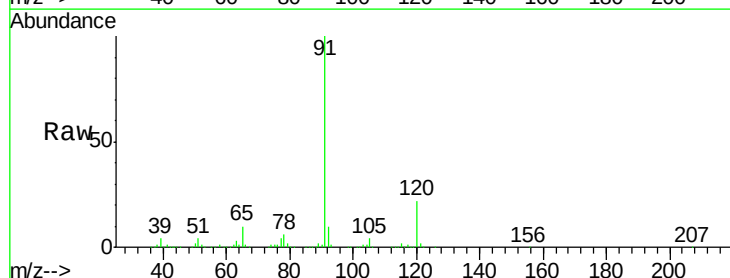
Acq: 11 Sep 2019 21:51

Tgt Ion: 91 Resp: 480525

Ion Ratio Lower Upper

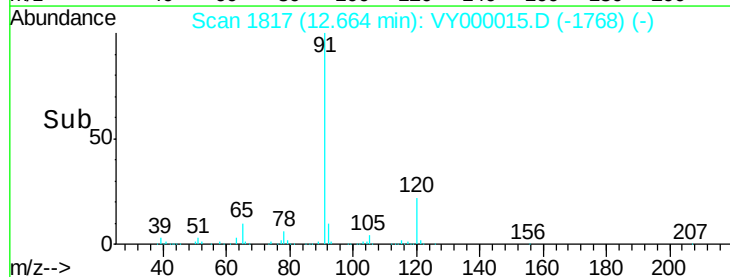
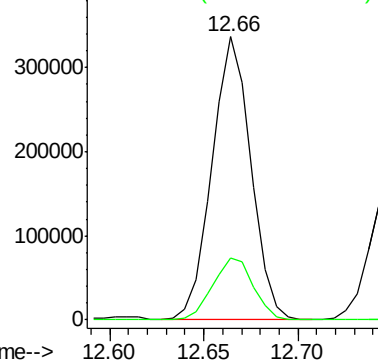
91 100

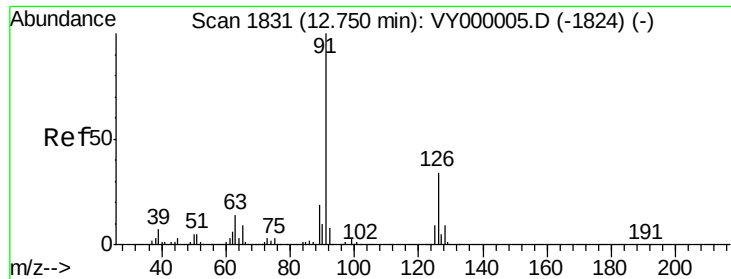
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.148 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 267184

Ion Ratio Lower Upper

91 100

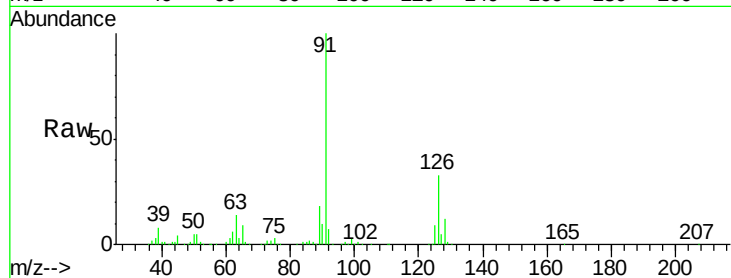
126 35.0 17.2 51.6

Manual Integrations

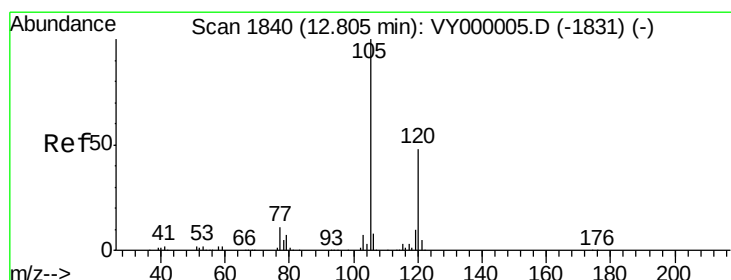
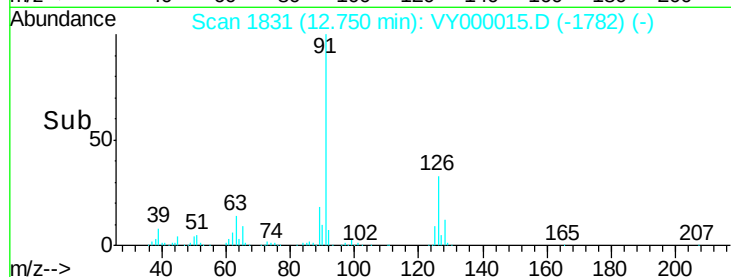
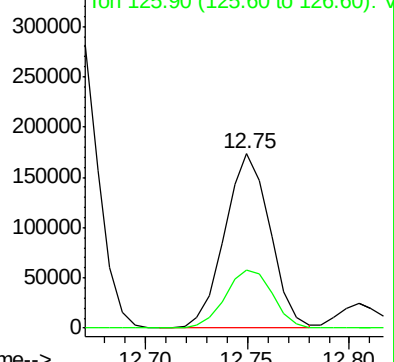
APPROVED

MMDadoda

9/13/2019 11:51:46 PM



Abundance Ion 91.00 (90.70 to 91.70): VY000005.D (-1824) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.040 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VY000015.D

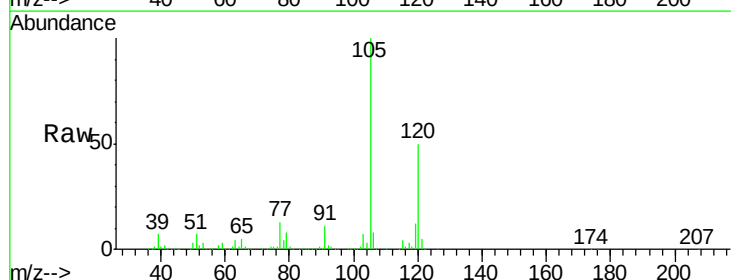
Acq: 11 Sep 2019 21:51

Tgt Ion: 105 Resp: 334721

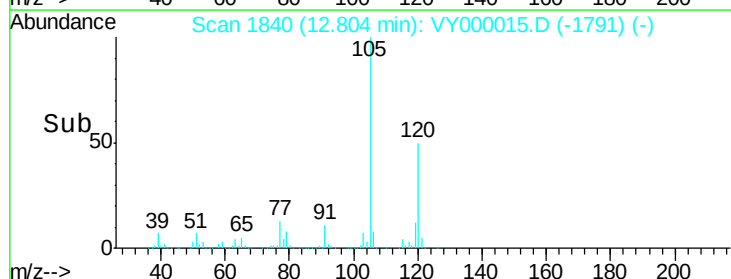
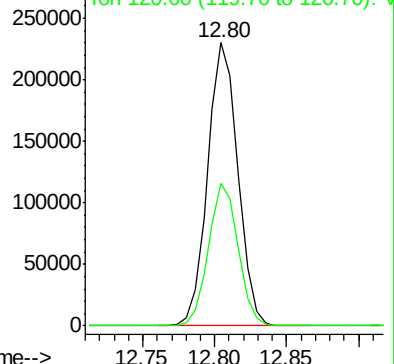
Ion Ratio Lower Upper

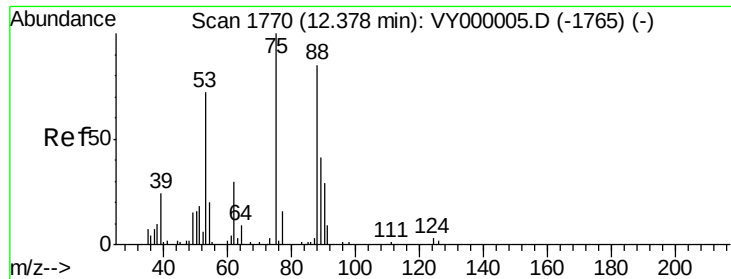
105 100

120 49.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY000005.D (-1831) (-)





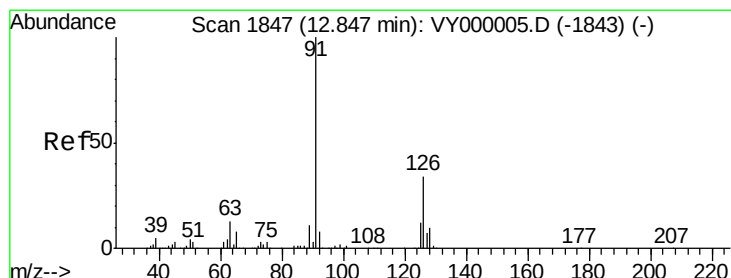
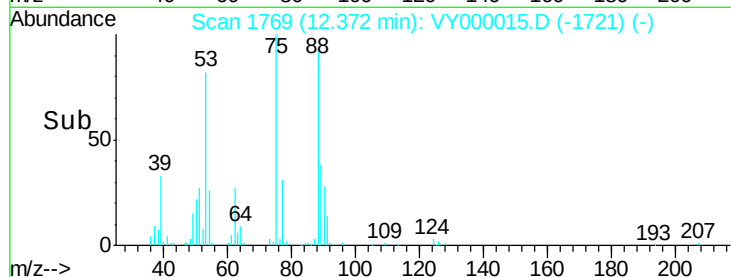
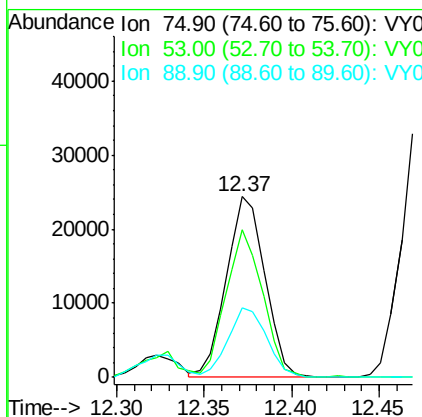
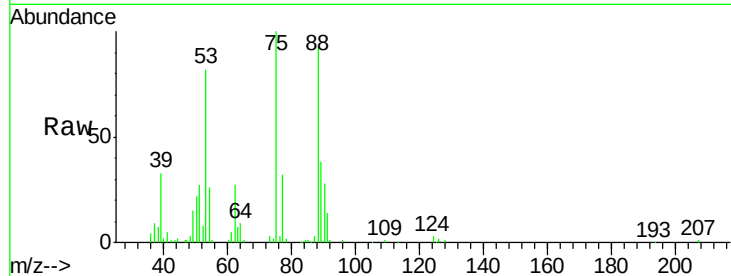
#81
trans-1,4-Dichloro-2-butene
Concen: 53.546 ug/l
RT: 12.37 min Scan# 1769
Delta R.T. -0.01 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	76.4	63.0	94.6
89	38.4	34.6	52.0

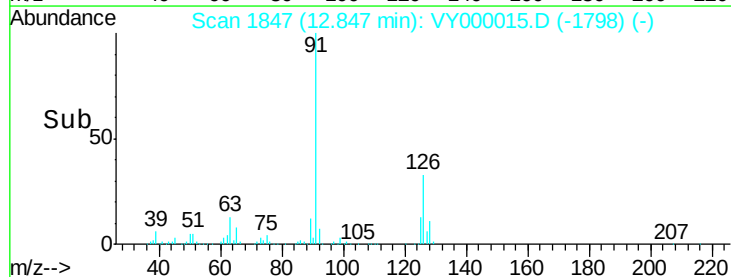
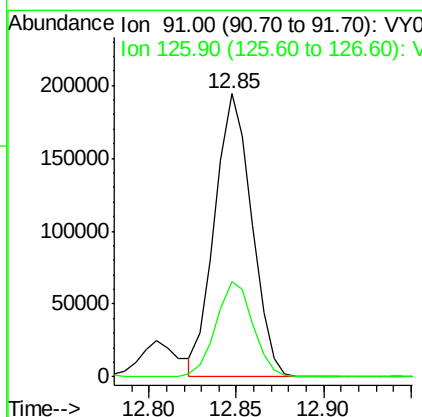
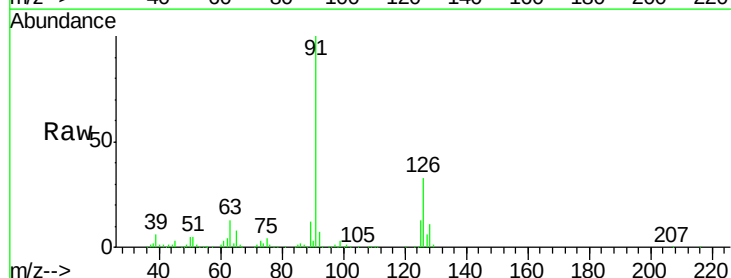
Manual Integrations
APPROVED

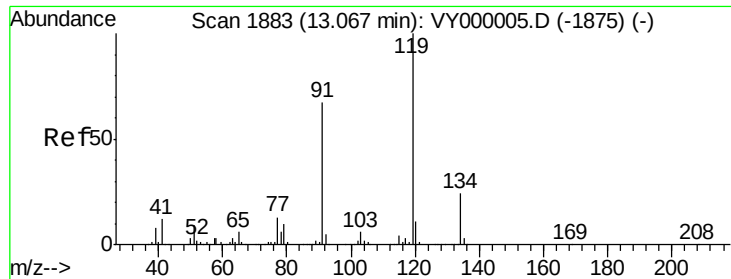
MMDadoda
9/13/2019 11:51:46 PM



#82
4-Chlorotoluene
Concen: 52.553 ug/l
RT: 12.85 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.0	50.9





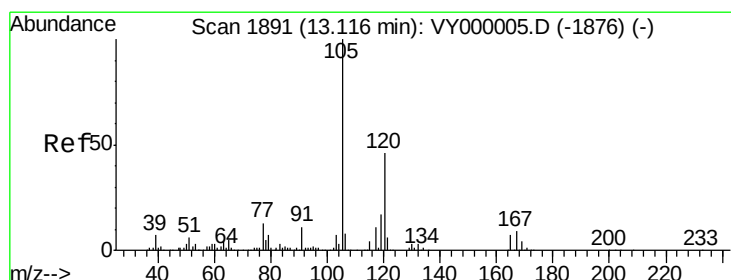
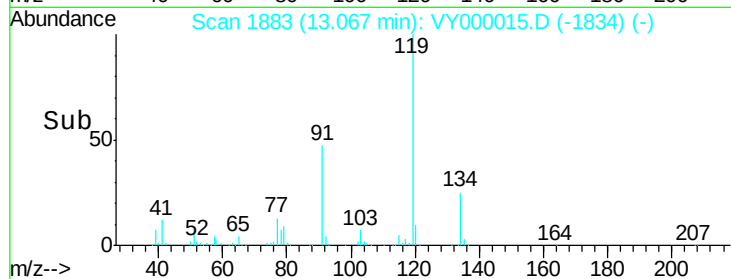
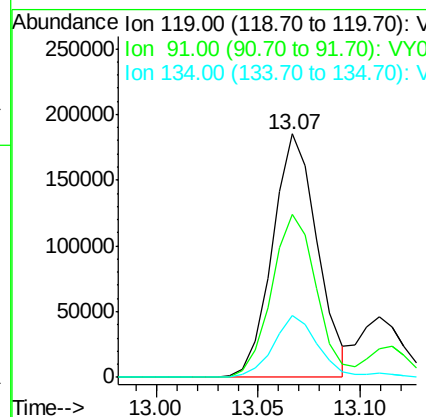
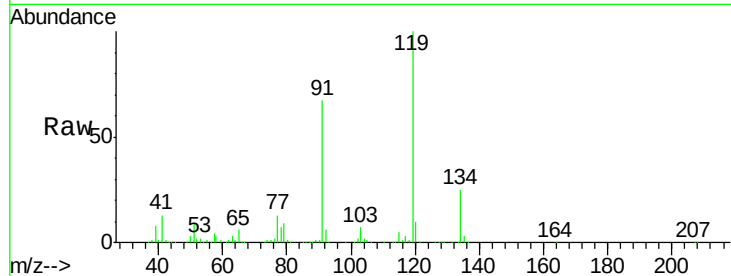
#83
 tert-Butylbenzene
 Concen: 51.838 ug/l
 RT: 13.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	283664		
91	67.3	33.6	100.8	
134	26.0	13.7	41.0	

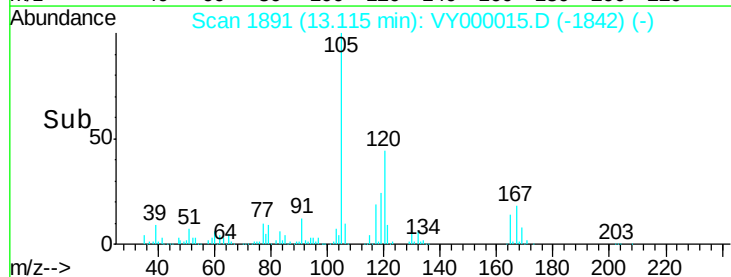
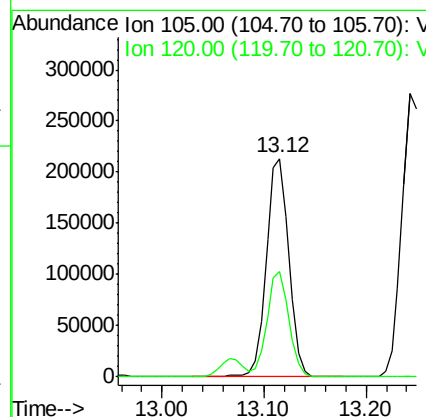
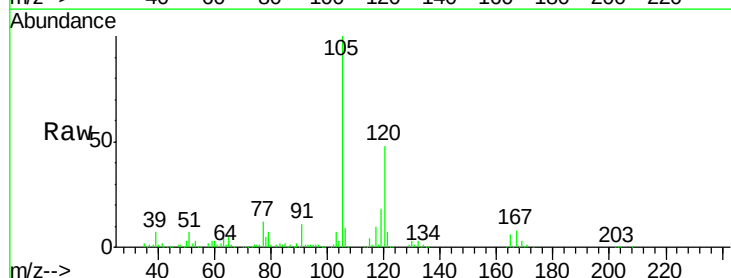
Manual Integrations
 APPROVED

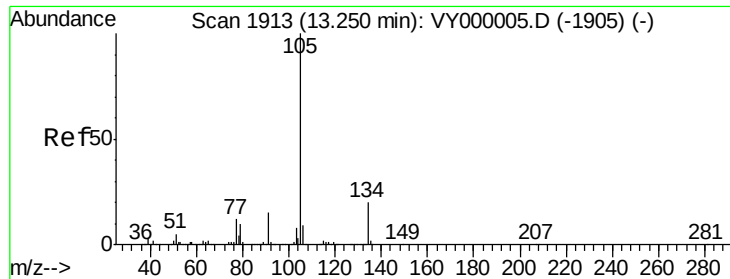
MMDadoda
 9/13/2019 11:51:46 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.062 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	327557		
120	46.9	22.8	68.3	





#85

sec-Butylbenzene

Concen: 51.192 ug/l

RT: 13.24 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 417581

Ion Ratio Lower Upper

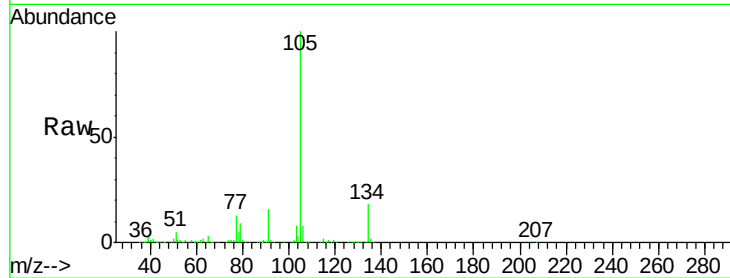
105 100

134 19.7 9.9 29.7

Manual Integrations
APPROVED

MMDadoda

9/13/2019 11:51:46 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.24

300000

250000

200000

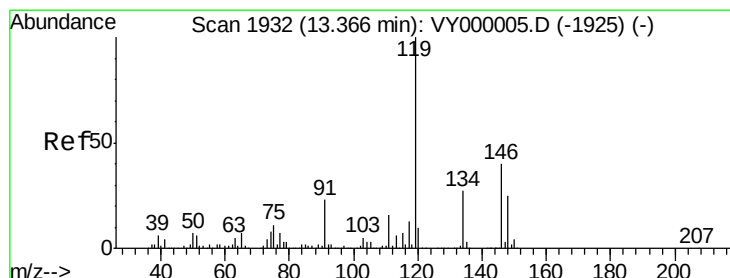
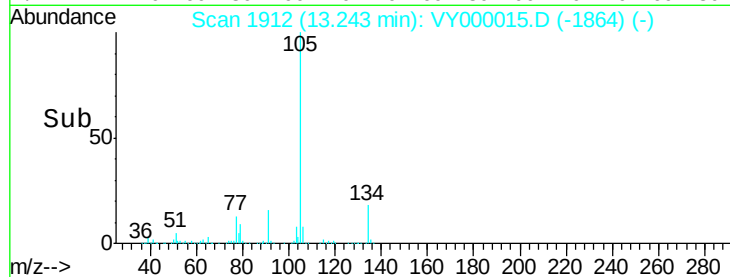
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.900 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

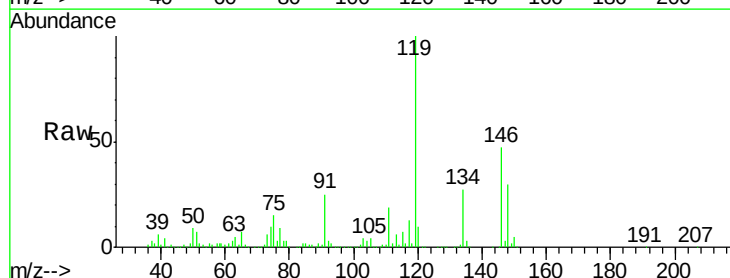
Tgt Ion:119 Resp: 349216

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

91 25.2 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

300000

250000

200000

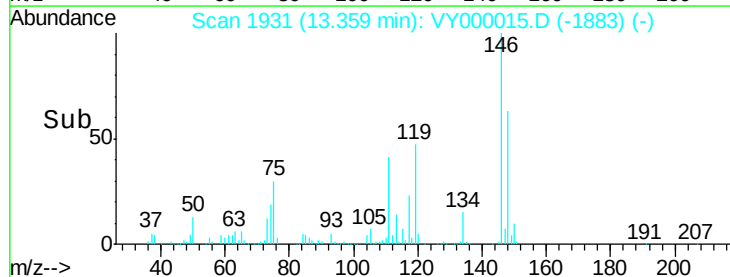
150000

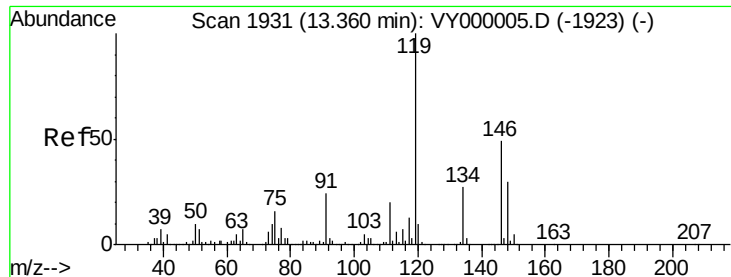
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 53.405 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

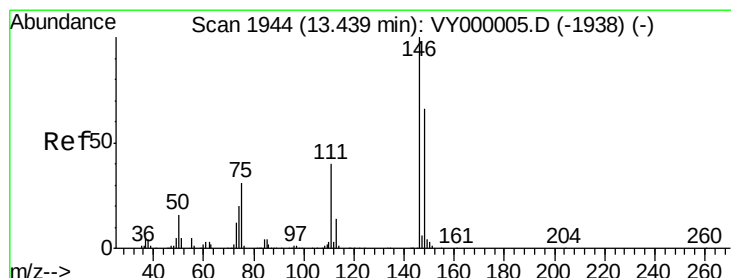
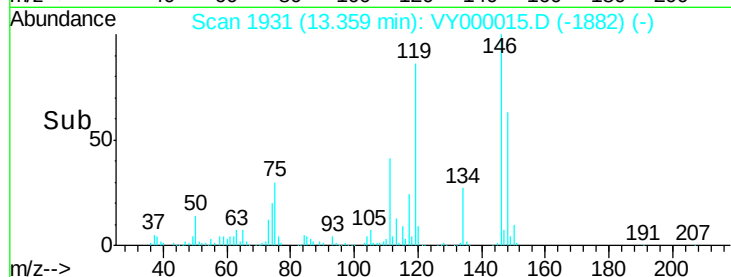
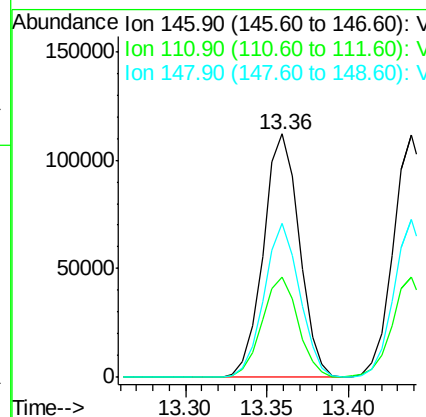
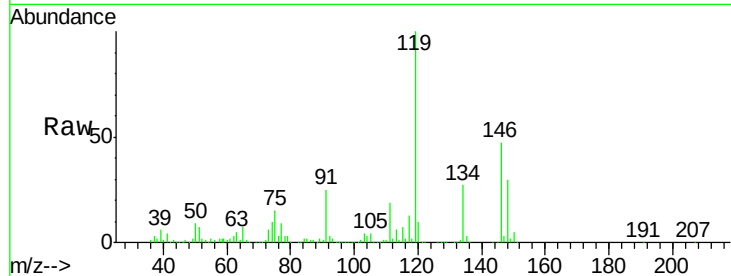
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.6	61.9
148	62.7	31.3	93.9

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:46 PM



#88

1,4-Dichlorobenzene

Concen: 52.516 ug/l

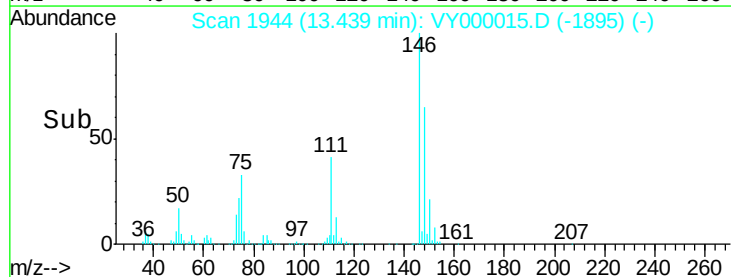
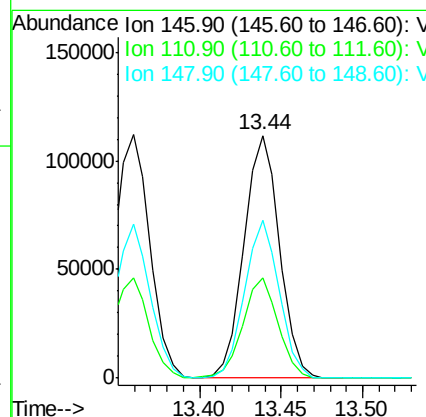
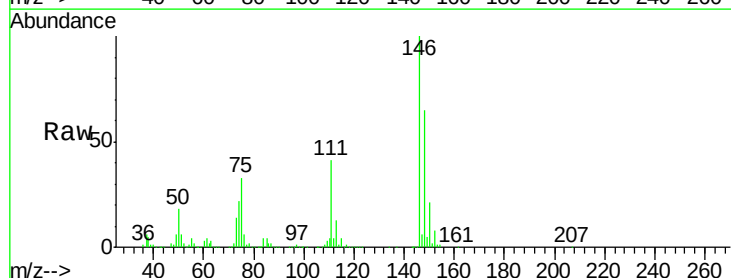
RT: 13.44 min Scan# 1944

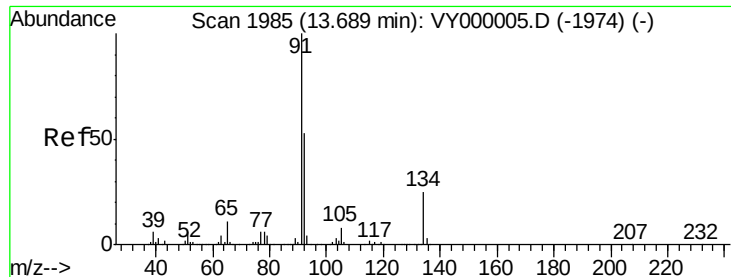
Delta R.T. -0.00 min

Lab File: VY000015.D

Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.9
148	63.5	31.9	95.7





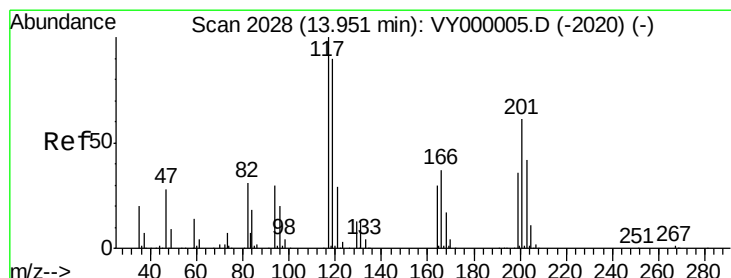
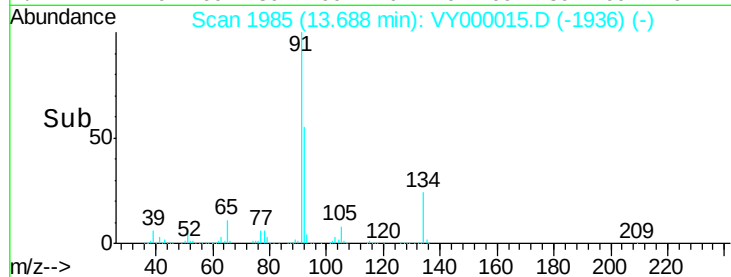
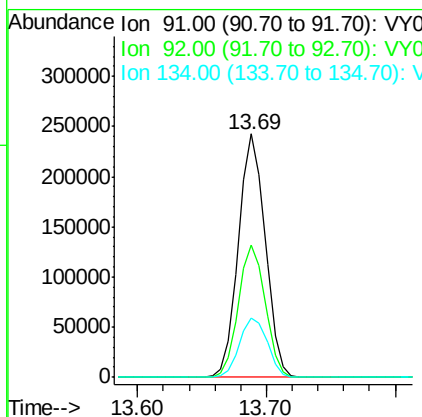
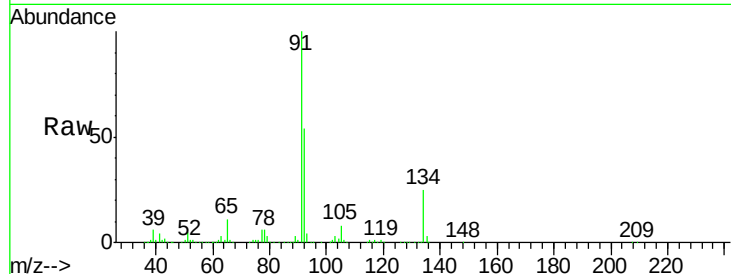
#89
n-Butylbenzene
Concen: 50.986 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	349550		
92	54.5	27.0	80.8	
134	25.5	12.7	38.0	

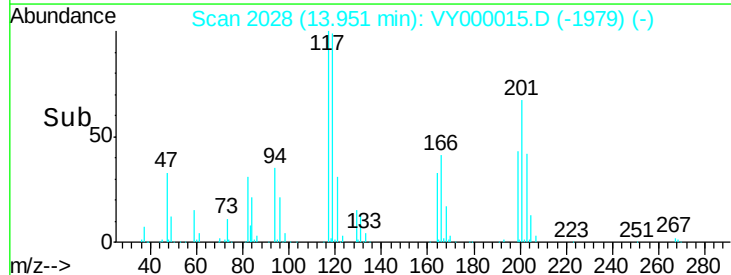
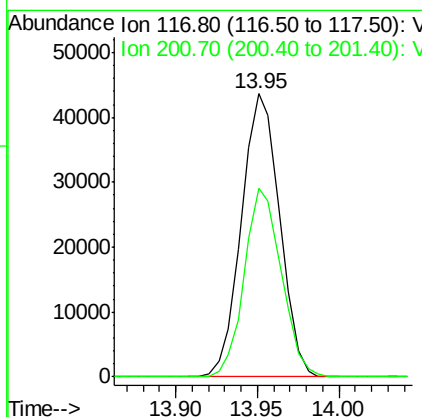
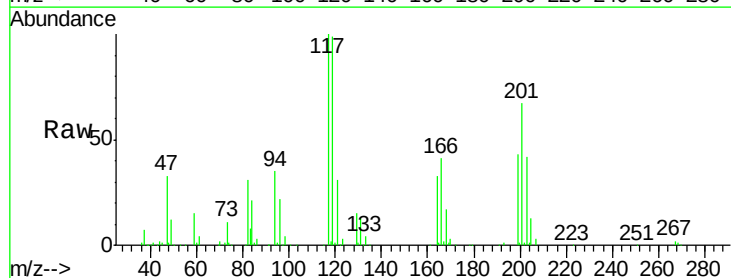
Manual Integrations
APPROVED

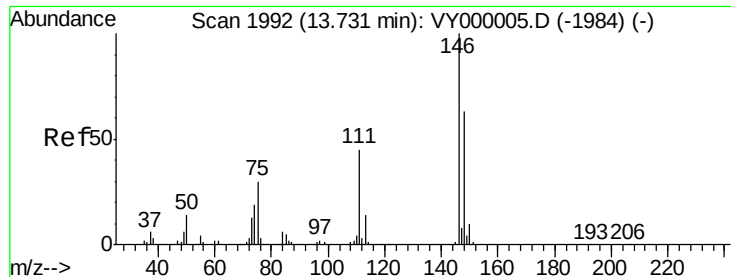
MMDadoda
9/13/2019 11:51:46 PM



#90
Hexachloroethane
Concen: 51.297 ug/l
RT: 13.95 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	71203		
201	64.4	32.3	96.8	





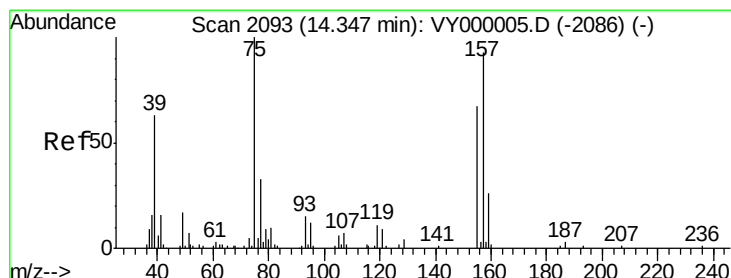
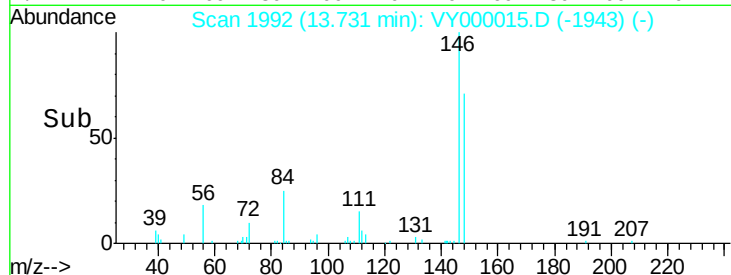
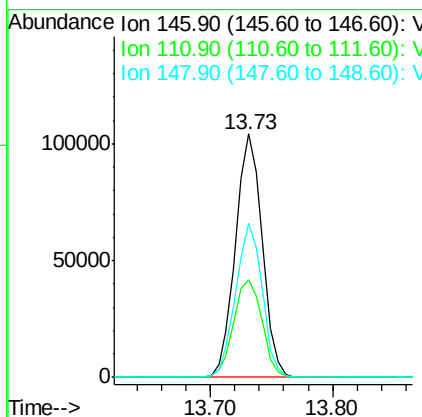
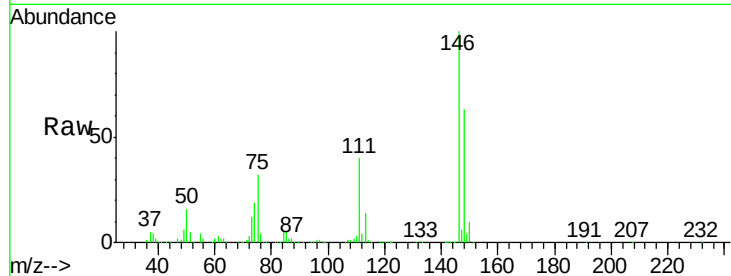
#91
 1,2-Dichlorobenzene
 Concen: 52.152 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.9	65.5
148	62.7	31.9	95.5

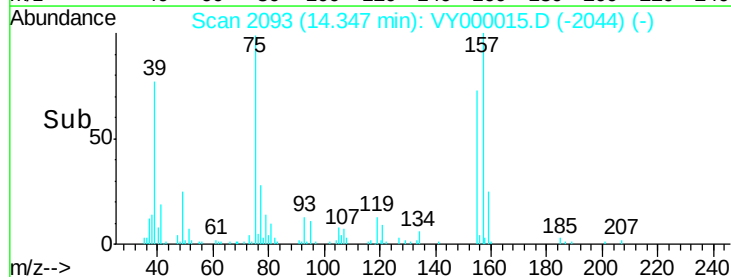
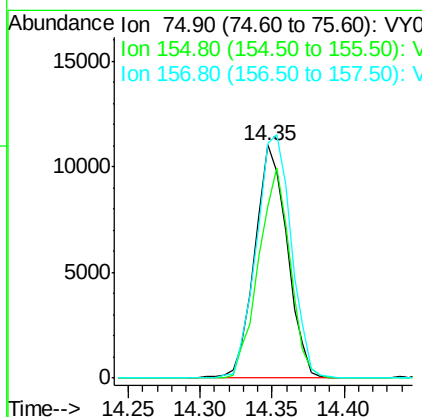
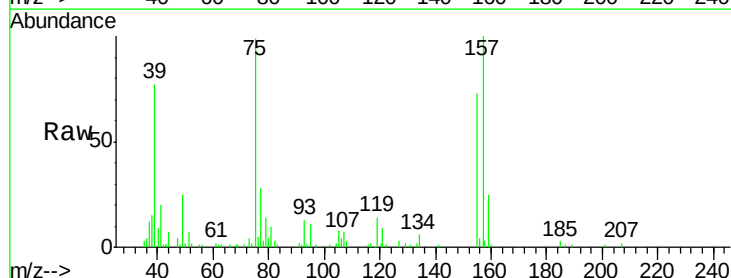
Manual Integrations
 APPROVED

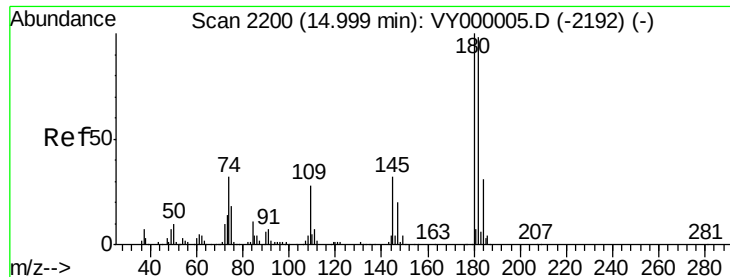
MMDadoda
 9/13/2019 11:51:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.478 ug/l
 RT: 14.35 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	41.4	124.2
157	112.3	52.8	158.4





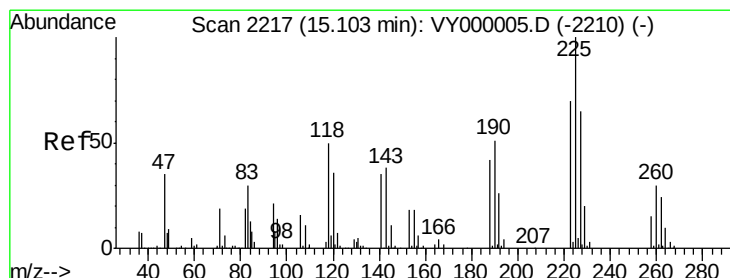
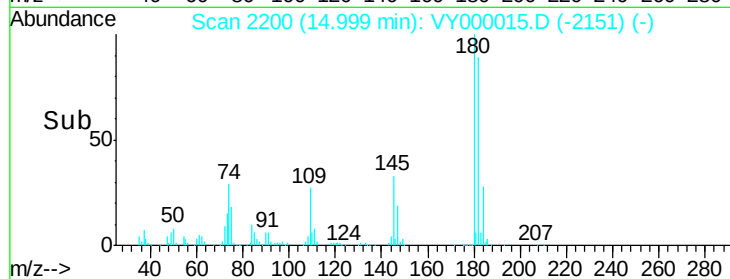
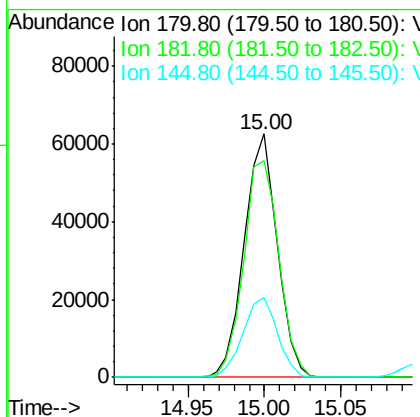
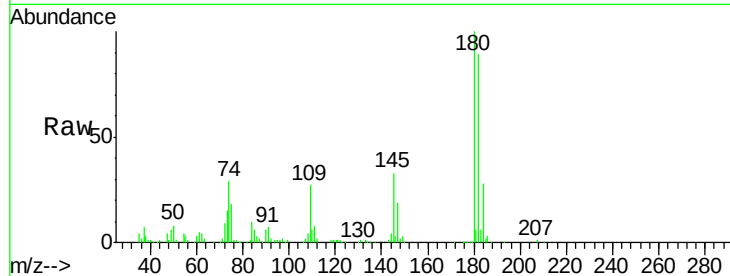
#93
 1,2,4-Trichlorobenzene
 Concen: 51.083 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	48.4	145.2	
145	34.4	17.2	51.6	

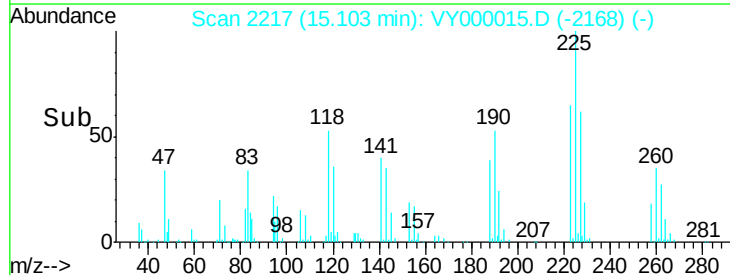
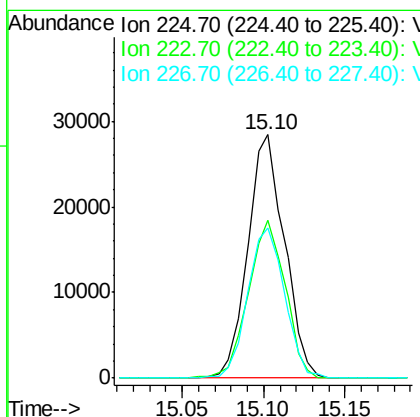
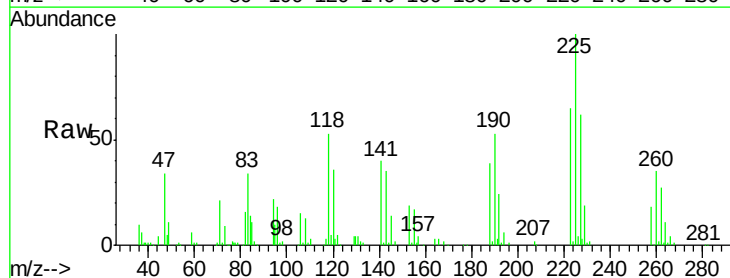
Manual Integrations
 APPROVED

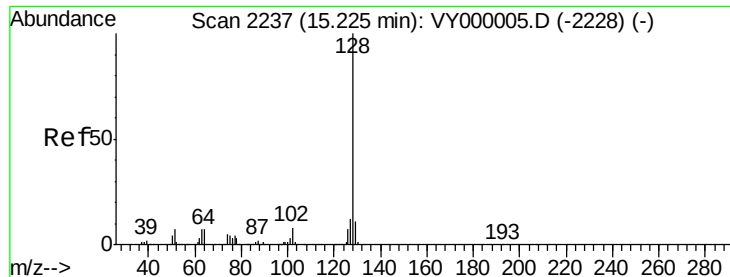
MMDadoda
 9/13/2019 11:51:46 PM



#94
 Hexachlorobutadiene
 Concen: 50.120 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000015.D
 Acq: 11 Sep 2019 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.7	32.3	96.8	
227	62.0	31.8	95.4	





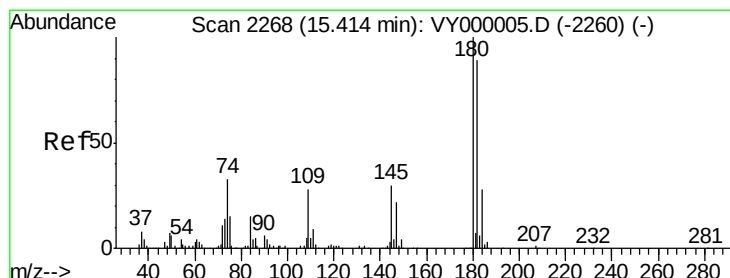
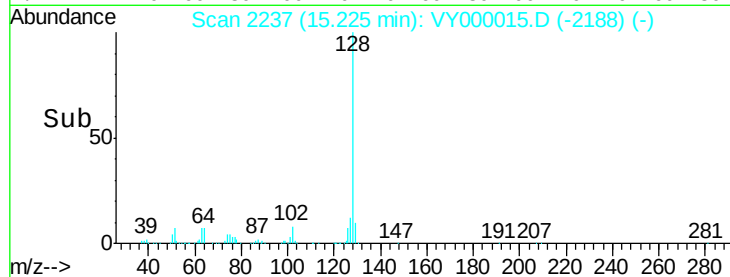
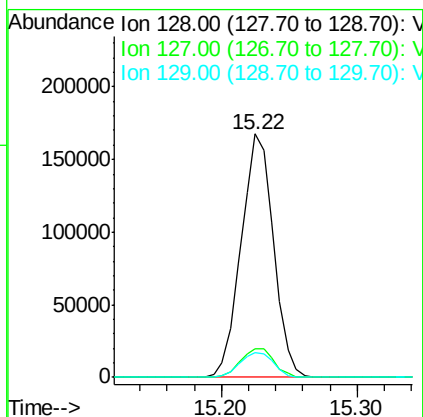
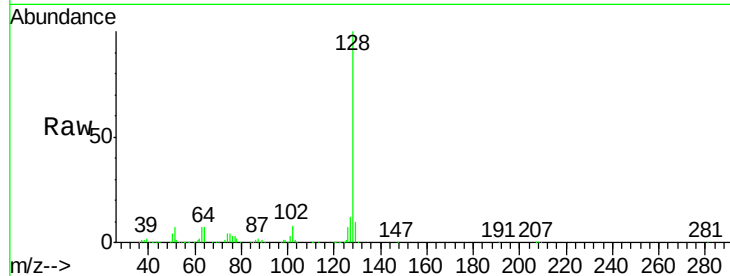
#95
Naphthalene
Concen: 55.301 ug/l
RT: 15.22 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		277745		
127	12.3		9.8	14.8	
129	10.8		8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.913 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VY000015.D
Acq: 11 Sep 2019 21:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		88820		
182	94.0		46.1	138.2	
145	36.2		16.2	48.6	

