

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\
 Data File : VL036468.D
 Acq On : 24 Mar 2021 16:36
 Operator :
 Sample : VL0324ABS01
 Misc : 400 mL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 25 07:18:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1604151	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3928281	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	4590864	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3020877	8.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1682549	7.589 ppbv	98
3) Chlorodifluoromethane	2.98	51	1832563	9.659 ppbv	100
4) Chloromethane	3.13	50	885666	9.823 ppbv	95
5) Vinyl Chloride	3.25	62	911298	10.705 ppbv	99
6) Bromomethane	3.47	94	503540	9.541 ppbv	95
7) Chloroethane	3.55	64	323519	10.088 ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	1972707	9.058 ppbv	94
9) Propene	3.00	41	878510	10.626 ppbv	98
10) Heptane	8.12	43	2180014	10.695 ppbv	100
11) Trichlorofluoromethane	3.94	101	2232675	9.752 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1423296	9.748 ppbv	96
13) Ethanol	3.60	45	114897	9.057 ppbv	71
14) Bromoethene	3.73	108	639810	10.554 ppbv	98
15) Acetone	3.84	43	1703431	9.292 ppbv	98
16) 1,3-Butadiene	3.32	39	907808	10.267 ppbv	99
17) tert-Butyl alcohol	4.28	59	1832855	12.609 ppbv	99
18) 1,1-Dichloroethene	4.28	96	649747	10.006 ppbv	93
19) Isopropyl Alcohol	3.96	45	1262063	12.250 ppbv	99
20) Methylene Chloride	4.34	84	575673	9.316 ppbv	99
21) Allyl Chloride	4.40	41	1113990	10.777 ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	633310	10.771 ppbv	96
23) Vinyl Acetate	5.07	43	2305023	11.110 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1681411	10.268 ppbv	100
25) Ethyl Acetate	5.67	43	3728525	10.461 ppbv	99
26) Hexane	5.68	57	1505107	10.320 ppbv	99
27) Carbon Disulfide	4.54	76	1659350	11.464 ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	2118554	10.840 ppbv	100
29) Chloroform	5.75	83	2367956	9.924 ppbv	100
30) Cyclohexane	7.13	84	1268971	10.530 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1556808	11.051 ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	2356343	9.828 ppbv	99
34) 2-Butanone	5.24	43	2388512	10.087 ppbv	99
35) Carbon Tetrachloride	7.01	117	2426252	9.559 ppbv	98
36) Benzene	6.89	78	3185663	10.451 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1848763	9.652 ppbv	99
38) Trichloroethene	7.83	130	1149675	9.980 ppbv	98
39) 1,2-Dichloropropane	7.61	63	1272635	9.818 ppbv	94
40) 1,4-Dioxane	7.83	88	449996	10.576 ppbv	82
41) Tetrahydrofuran	6.04	42	1475028	11.169 ppbv	99
42) Bromodichloromethane	7.79	83	2525228	9.756 ppbv	98
43) Methyl Methacrylate	8.01	69	1415438	11.466 ppbv	99

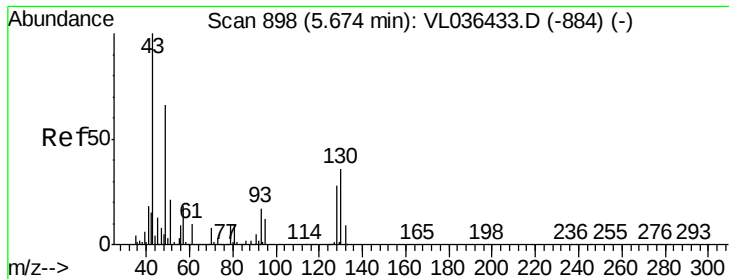
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5379986	9.680	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1520943	12.659	ppbv	95
46) cis-1,3-Dichloropropene	8.70	75	1853516	11.817	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1287657	9.966	ppbv	95
48) Dibromochloromethane	10.30	129	2175134	11.117	ppbv	100
49) Bromoform	13.04	173	1805721	11.281	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3661514	10.621	ppbv	99
51) 2-Hexanone	10.13	43	2985283	11.455	ppbv #	99
52) Tetrachloroethene	11.22	164	1101202	9.633	ppbv	96
53) Toluene	9.80	91	3554153	10.826	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1934940	10.373	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1605567	7.892	ppbv	97
57) Chlorobenzene	12.15	112	2590268	7.812	ppbv	96
58) Ethyl Benzene	12.71	91	4782171	8.384	ppbv	100
59) m/p-Xylene	12.99	91	4162905	8.254	ppbv #	35
60) o-Xylene	13.69	91	3777412	7.796	ppbv	98
61) Styrene	13.53	104	2763356	9.379	ppbv	100
62) Isopropylbenzene	14.67	105	5730644	7.845	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2637534	6.963	ppbv	99
64) n-propylbenzene	15.56	120	1515754	8.307	ppbv	97
65) tert-Butylbenzene	16.75	119	4935576	7.766	ppbv	100
66) Benzyl Chloride	16.99	91	1809424	10.198	ppbv	99
67) sec-Butylbenzene	17.29	105	6913823	7.789	ppbv	100
69) p-Isopropyltoluene	17.65	119	5703520	8.031	ppbv	99
70) n-Butylbenzene	18.55	91	5836588	7.951	ppbv	99
71) 2-Chlorotoluene	15.45	91	4428950	8.060	ppbv	99
72) 4-Ethyltoluene	15.84	105	4379164	8.322	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4160570	8.149	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4234915	7.812	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2375974	7.893	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2361907	7.852	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2291684	7.775	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1689683	7.204	ppbv	99
79) Naphthalene	22.20	128	3170159	9.984	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1285664	18.726	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	1700681	9.318	ppbv	95

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 16:36

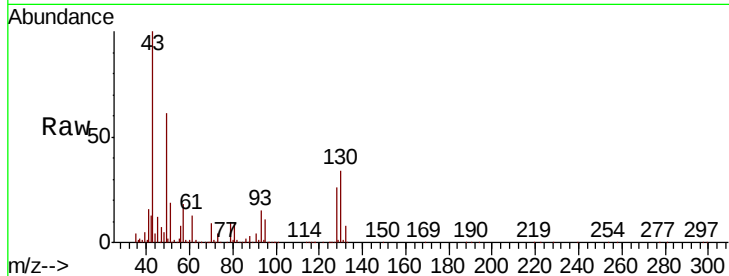
Tot Ion: 49 Resp: 1604151

Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.4	67.2
130	57.2	28.0	84.0

49 100

128 45.3 22.4 67.2

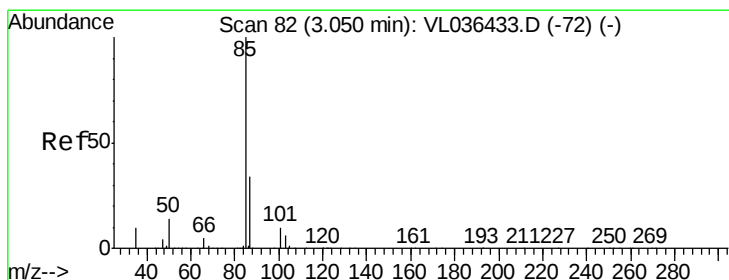
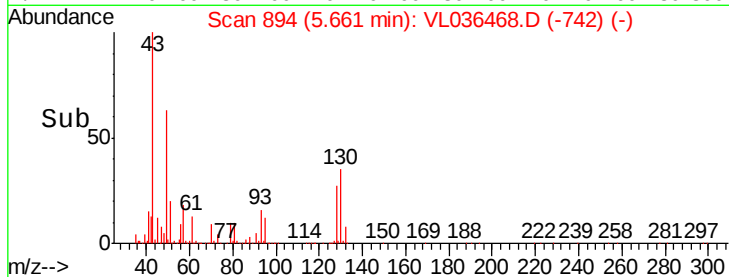
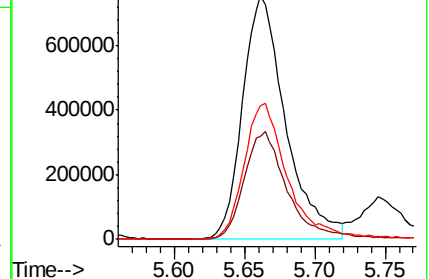
130 57.2 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.589 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036468.D

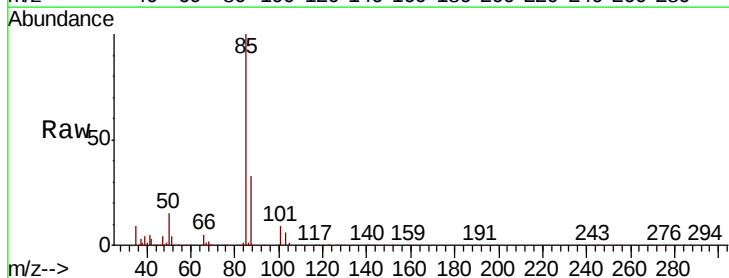
Acq: 24 Mar 2021 16:36

Tgt Ion: 85 Resp: 1682549

Ion	Ratio	Lower	Upper
85	100		
87	32.6	27.1	40.7

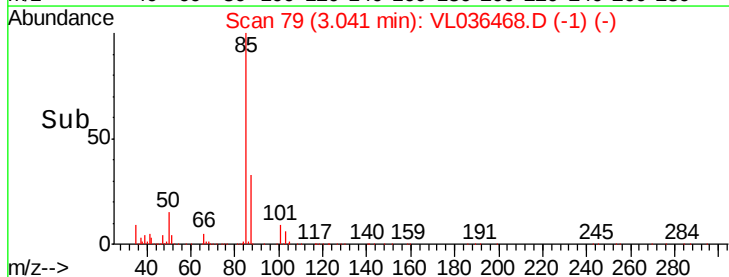
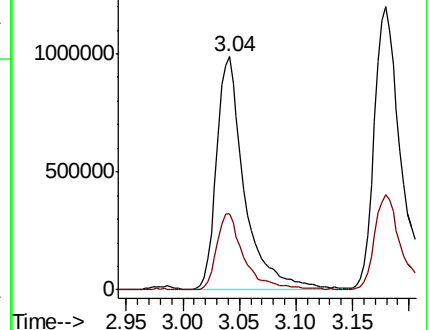
85 100

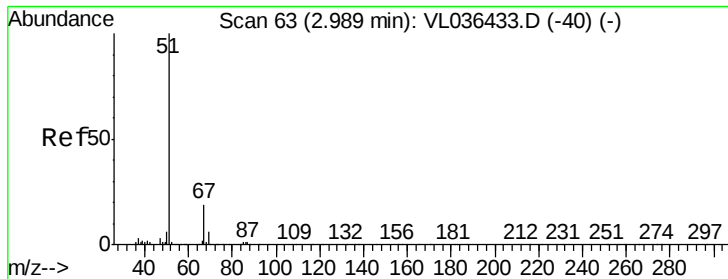
87 32.6 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.659 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

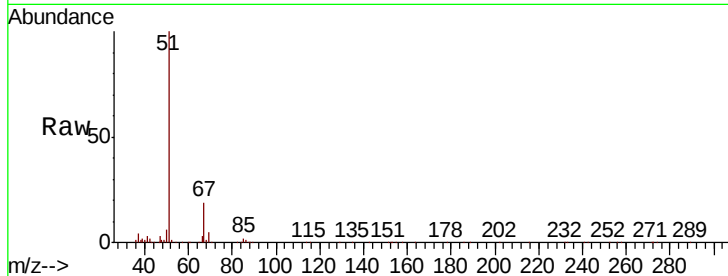
Acq: 24 Mar 2021 16:36

Tot Ion: 51 Resp: 1832563

Ion Ratio Lower Upper

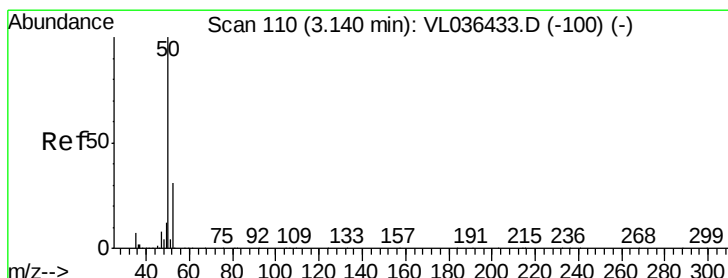
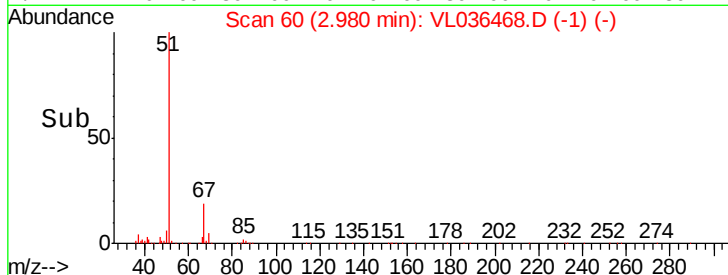
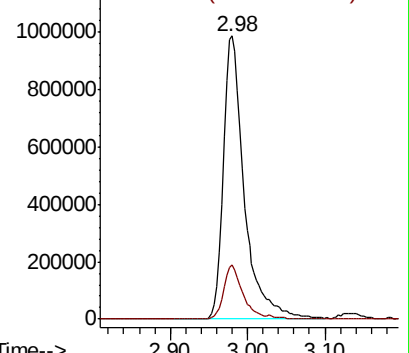
51 100

67 18.3 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.823 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036468.D

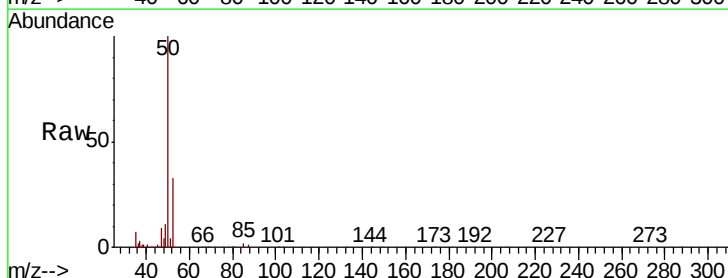
Acq: 24 Mar 2021 16:36

Tgt Ion: 50 Resp: 885666

Ion Ratio Lower Upper

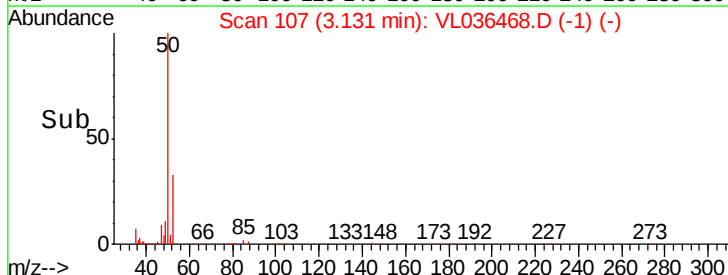
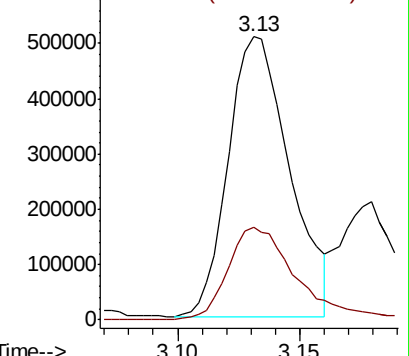
50 100

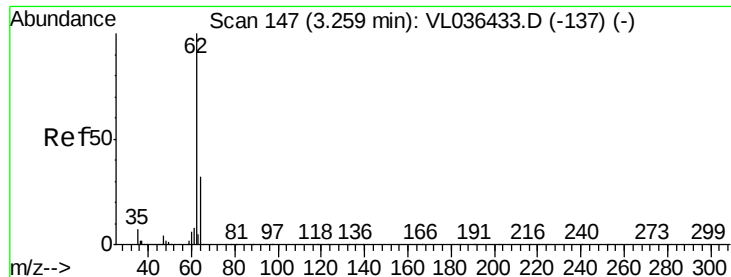
52 33.2 24.6 36.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.705 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

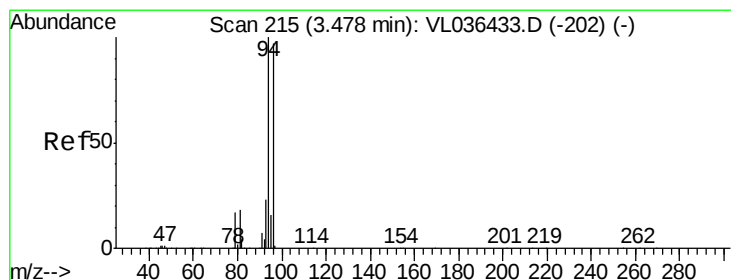
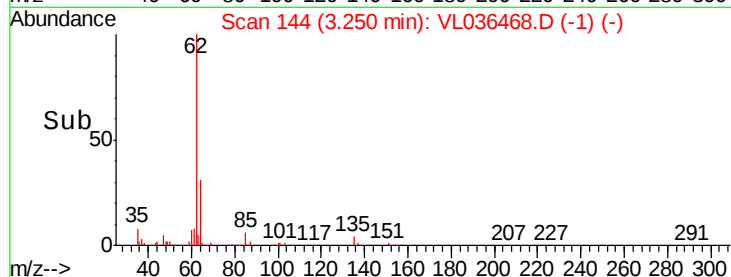
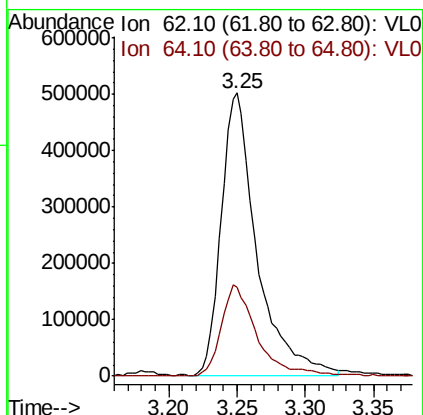
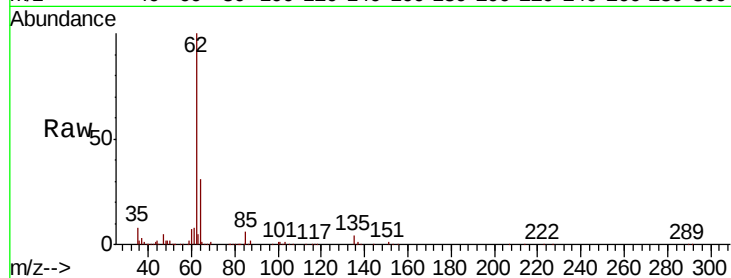
Acq: 24 Mar 2021 16:36

Tot Ion: 62 Resp: 911298

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2



#6

Bromomethane

Concen: 9.541 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL036468.D

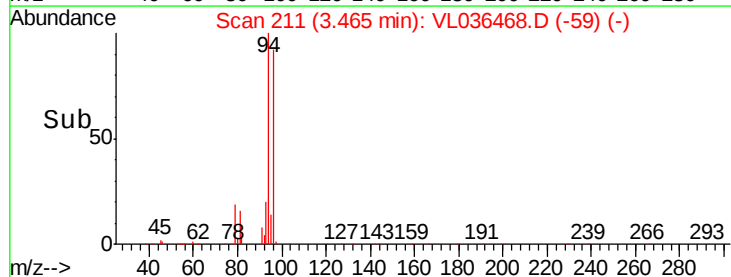
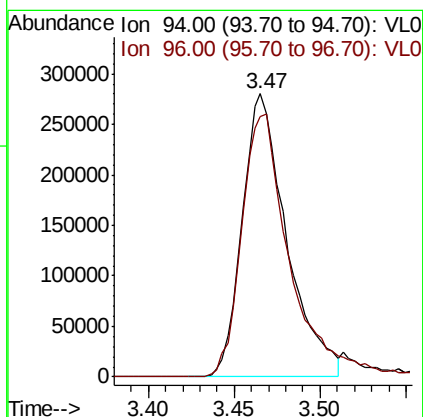
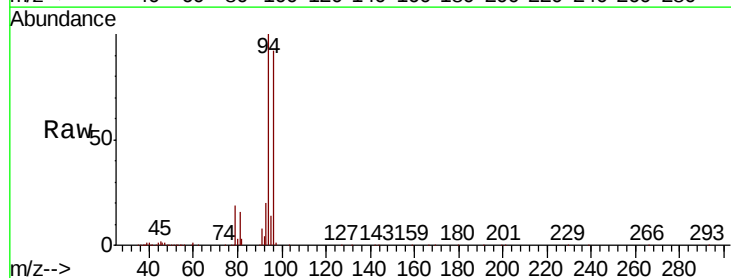
Acq: 24 Mar 2021 16:36

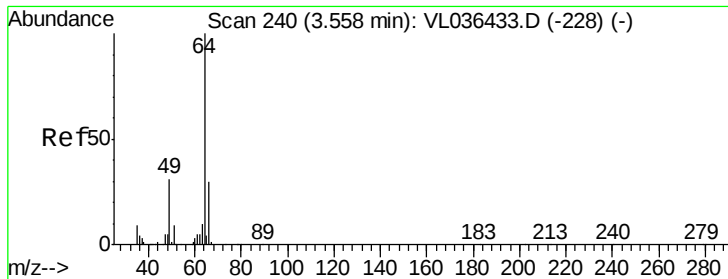
Tgt Ion: 94 Resp: 503540

Ion Ratio Lower Upper

94 100

96 92.0 77.3 115.9





#7

Chloroethane

Concen: 10.088 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

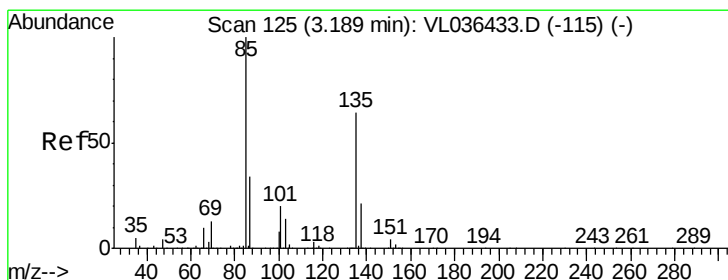
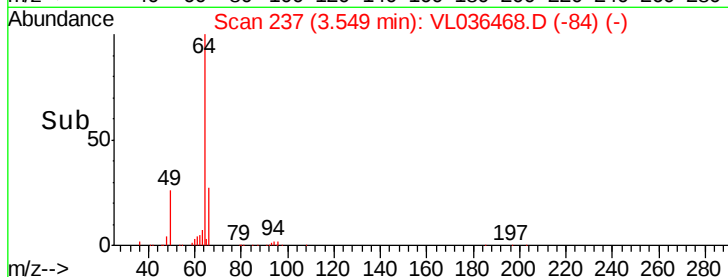
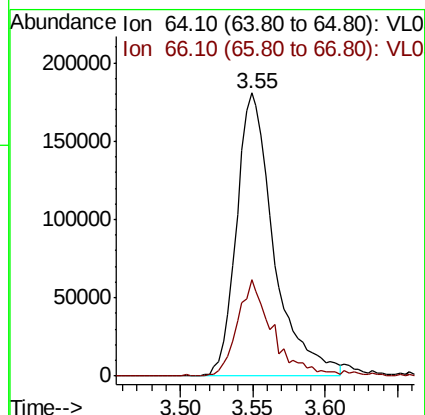
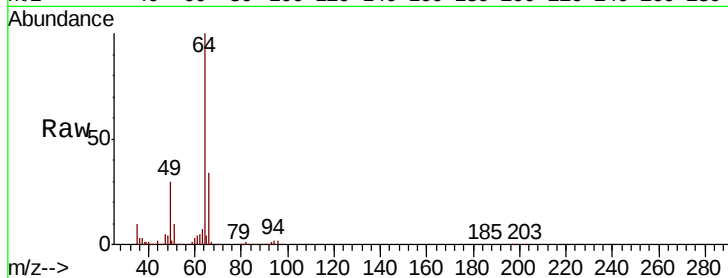
Acq: 24 Mar 2021 16:36

Tot Ion: 64 Resp: 323519

Ion Ratio Lower Upper

64 100

66 34.1 24.3 36.5



#8

Dichlorotetrafluoroethane

Concen: 9.058 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036468.D

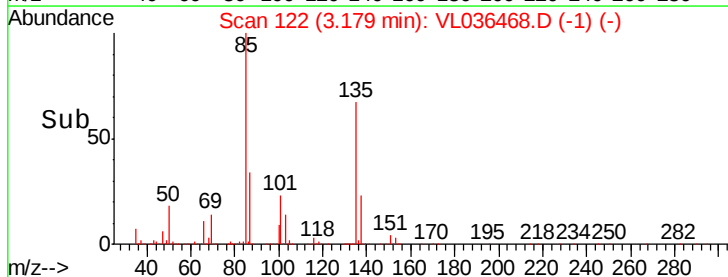
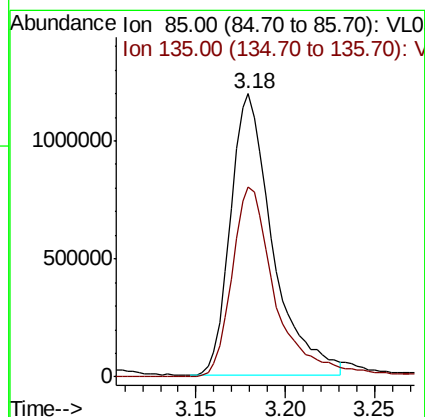
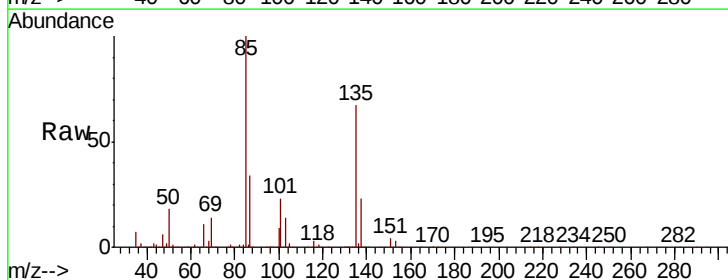
Acq: 24 Mar 2021 16:36

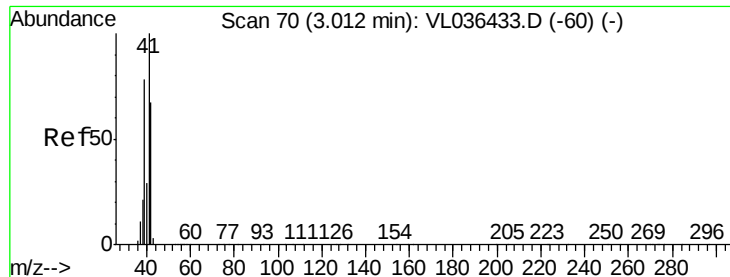
Tgt Ion: 85 Resp: 1972707

Ion Ratio Lower Upper

85 100

135 71.1 52.8 79.2





#9

Propene

Concen: 10.626 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

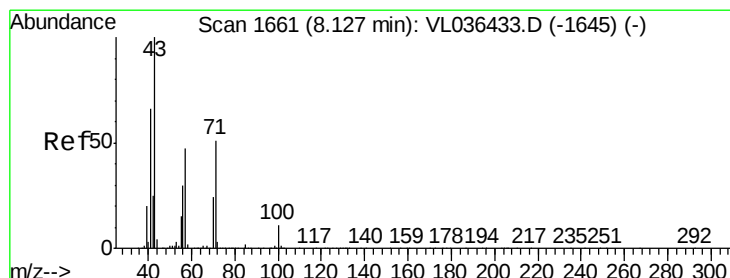
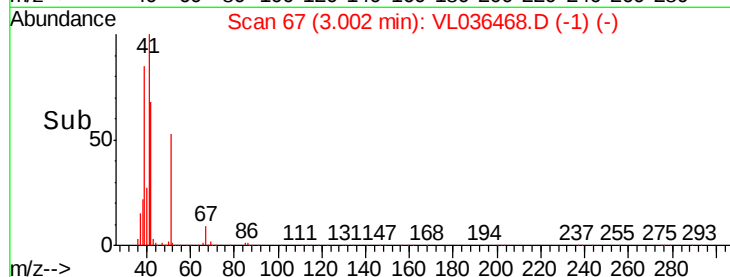
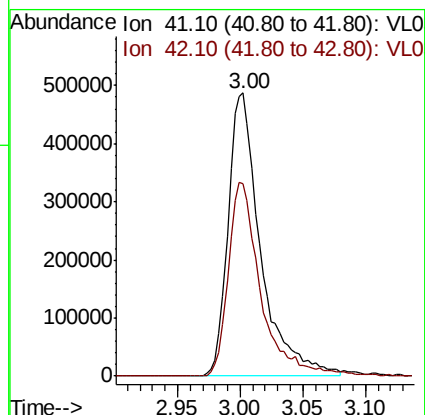
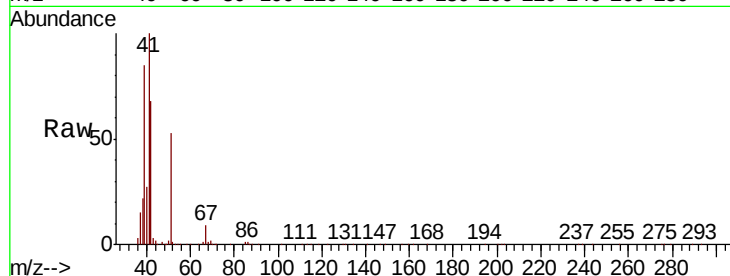
Acq: 24 Mar 2021 16:36

Tot Ion: 41 Resp: 878510

Ion Ratio Lower Upper

41 100

42 68.7 56.2 84.4



#10

Heptane

Concen: 10.695 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL036468.D

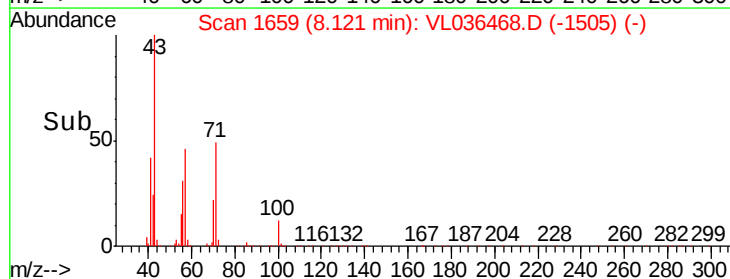
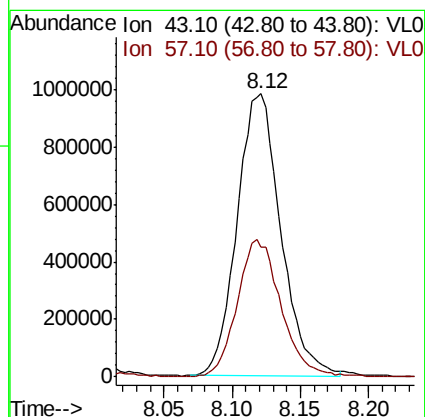
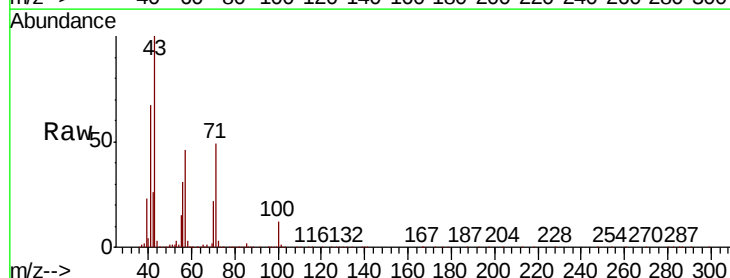
Acq: 24 Mar 2021 16:36

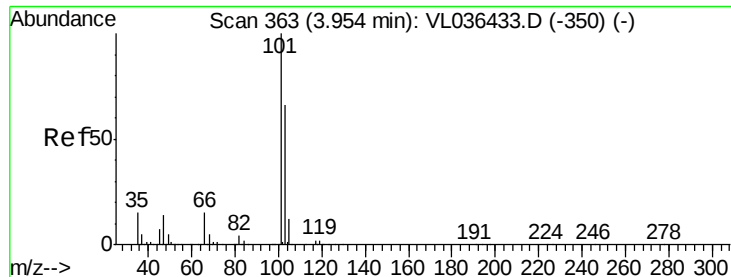
Tgt Ion: 43 Resp: 2180014

Ion Ratio Lower Upper

43 100

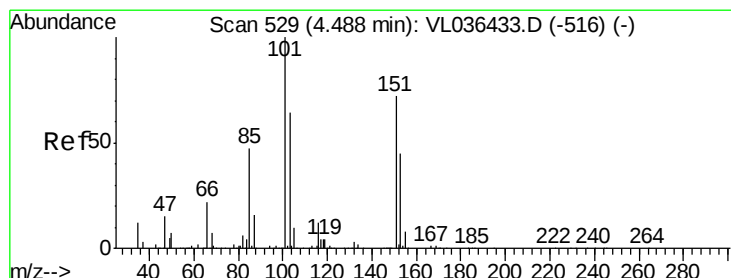
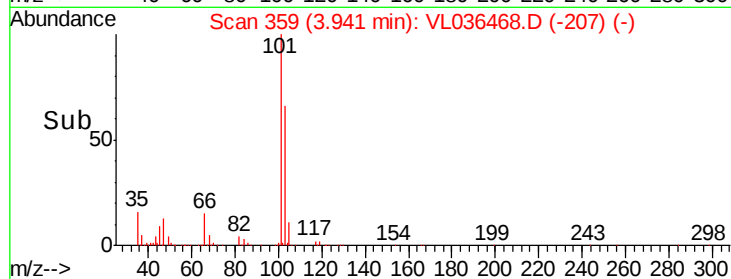
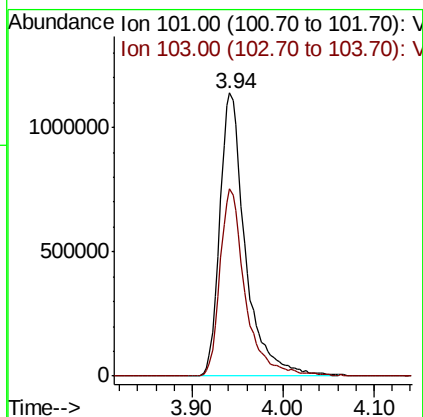
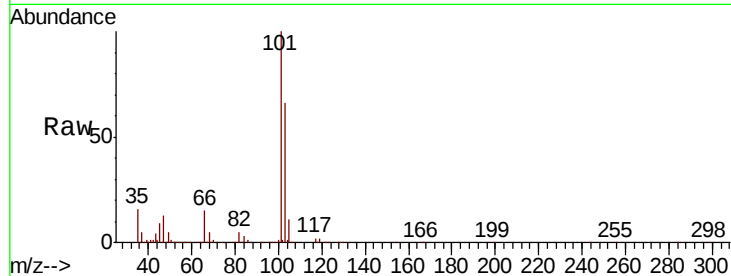
57 48.9 39.1 58.7





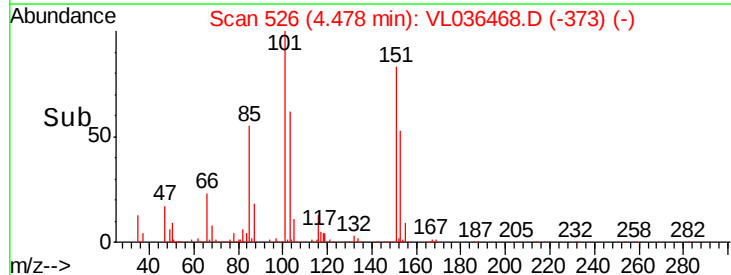
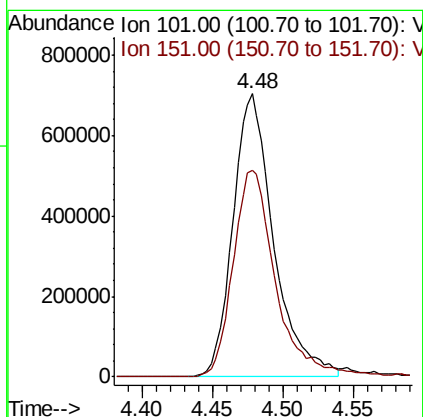
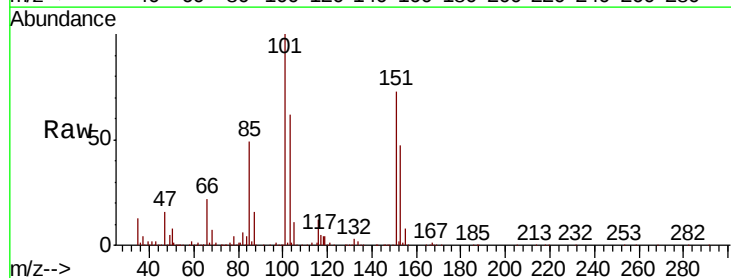
#11
 Trichlorofluoromethane
 Concen: 9.752 ppbv
 RT: 3.94 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2021 16:36

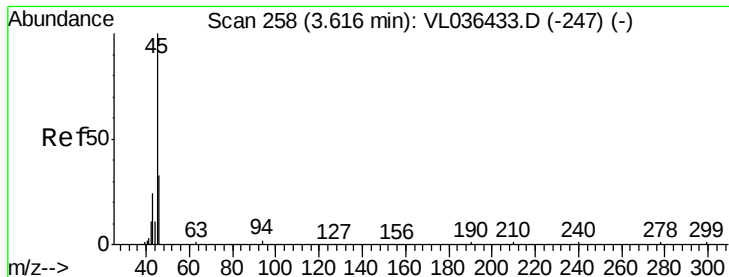
Tot Ion:101 Resp: 2232675
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.4 78.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.748 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

Tgt Ion:101 Resp: 1423296
 Ion Ratio Lower Upper
 101 100
 151 77.1 59.0 88.4





#13

Ethanol

Concen: 9.057 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

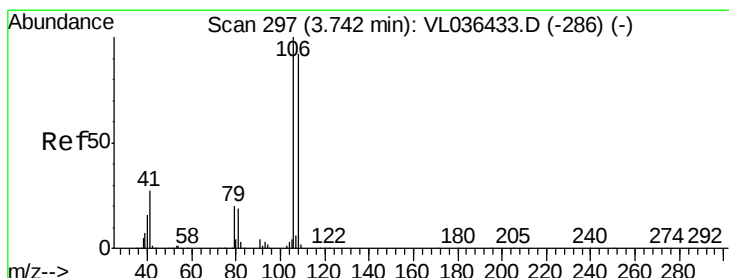
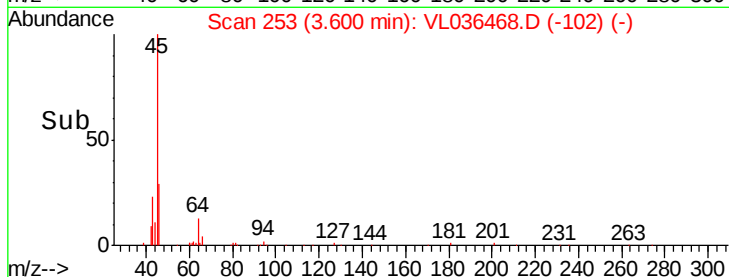
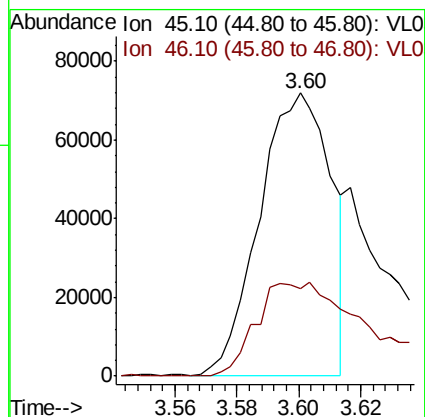
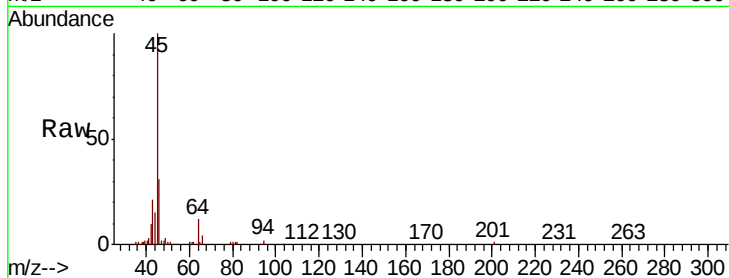
Acq: 24 Mar 2021 16:36

Tot Ion: 45 Resp: 114897

Ion Ratio Lower Upper

45 100

46 60.2 16.8 67.4



#14

Bromoethene

Concen: 10.554 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL036468.D

Acq: 24 Mar 2021 16:36

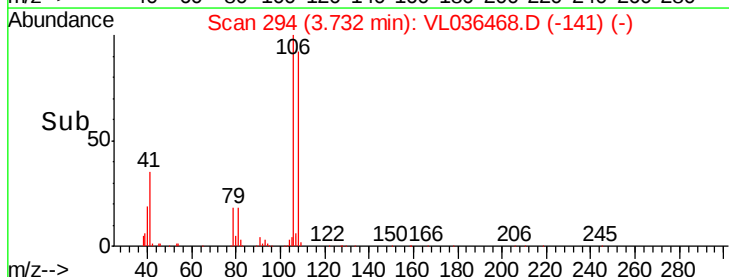
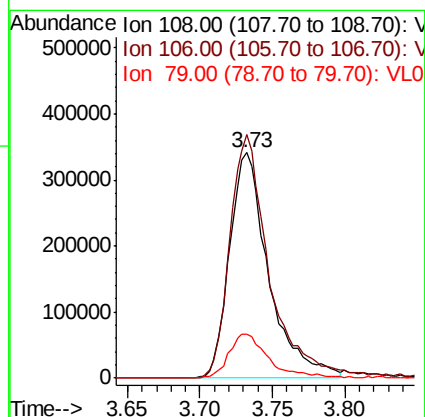
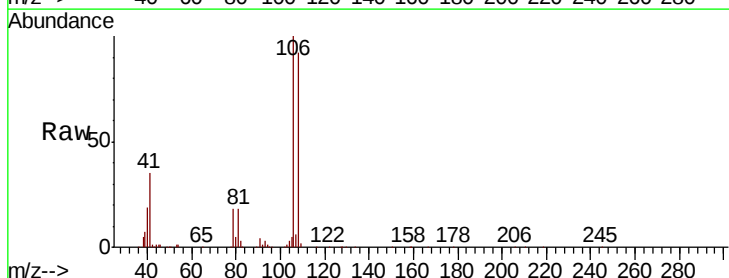
Tgt Ion: 108 Resp: 639810

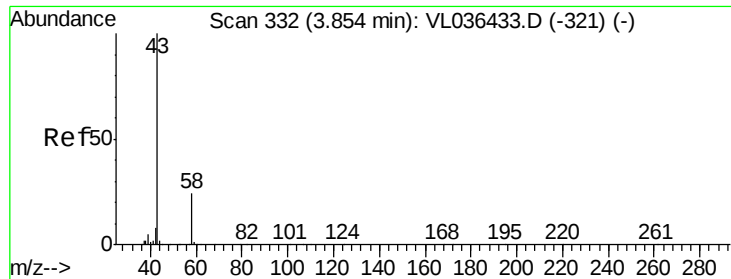
Ion Ratio Lower Upper

108 100

106 110.5 87.0 130.4

79 20.1 17.1 25.7





#15

Acetone

Concen: 9.292 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

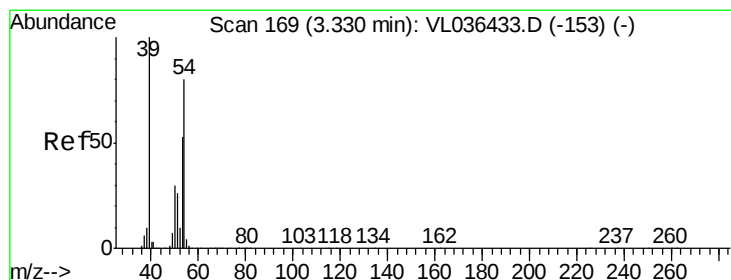
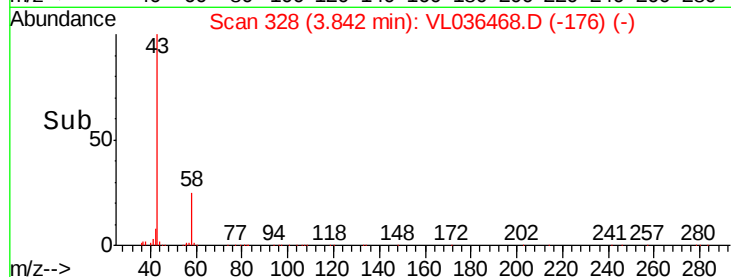
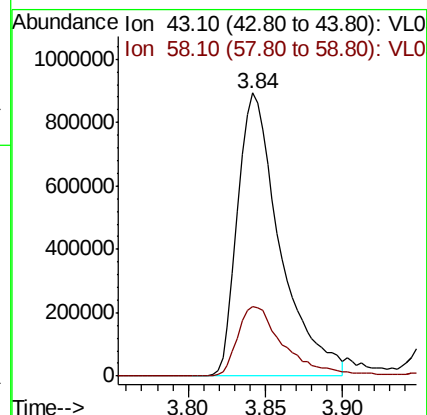
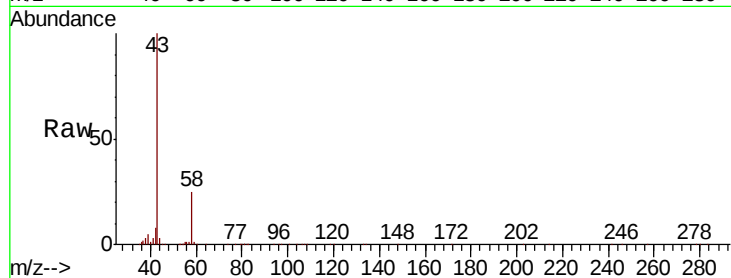
Acq: 24 Mar 2021 16:36

Tot Ion: 43 Resp: 1703431

Ion Ratio Lower Upper

43 100

58 27.2 21.0 31.6



#16

1,3-Butadiene

Concen: 10.267 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL036468.D

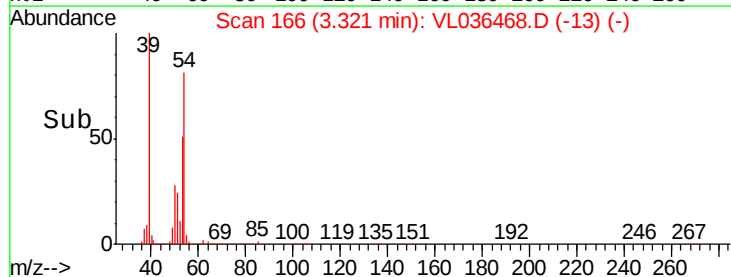
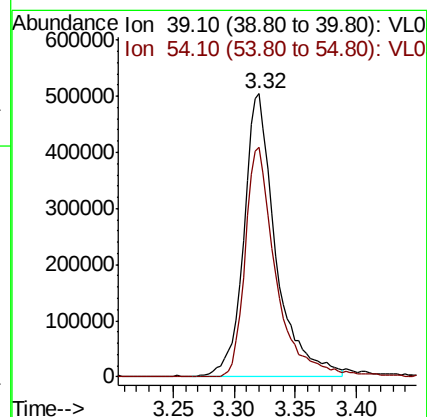
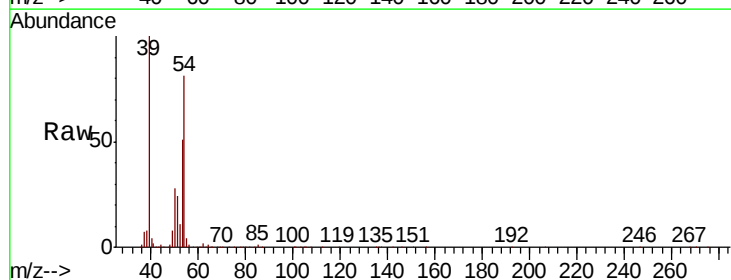
Acq: 24 Mar 2021 16:36

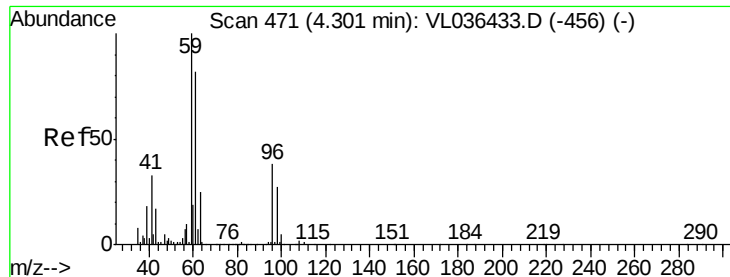
Tgt Ion: 39 Resp: 907808

Ion Ratio Lower Upper

39 100

54 79.6 64.5 96.7





#17

tert-Butyl alcohol

Concen: 12.609 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

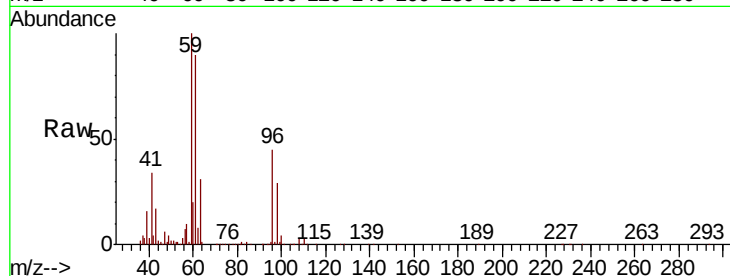
Acq: 24 Mar 2021 16:36

Tot Ion: 59 Resp: 1832855

Ion Ratio Lower Upper

59 100

57 10.9 8.9 13.3



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

800000

600000

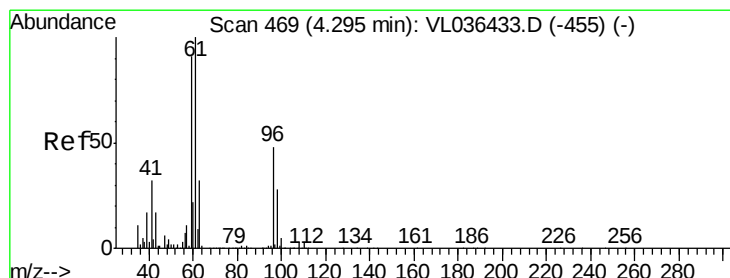
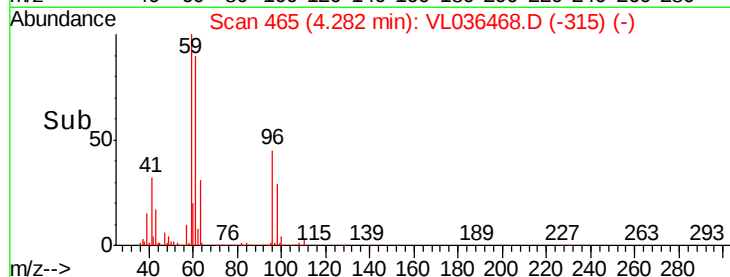
400000

200000

0

Time-->

4.20 4.30 4.40



#18

1,1-Dichloroethene

Concen: 10.006 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL036468.D

Acq: 24 Mar 2021 16:36

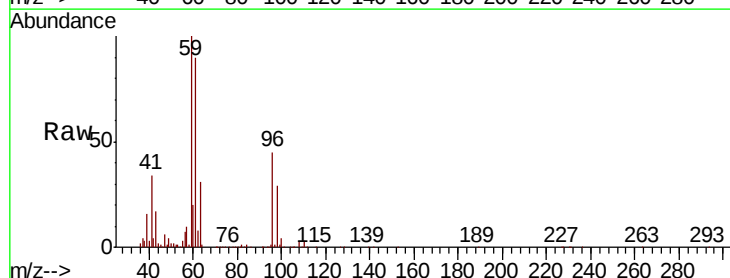
Tgt Ion: 96 Resp: 649747

Ion Ratio Lower Upper

96 100

61 200.3 168.2 252.2

98 65.6 47.8 71.6



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

600000

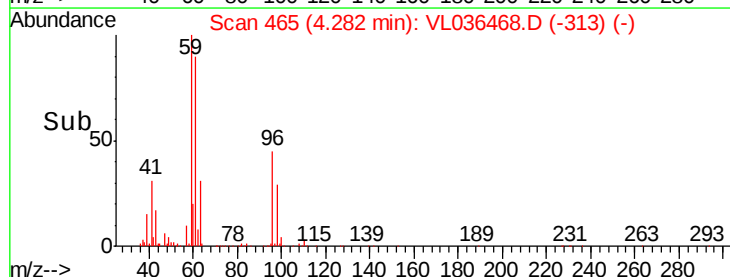
400000

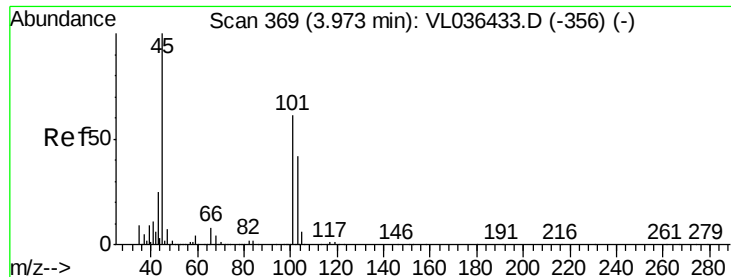
200000

0

Time-->

4.20 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 12.250 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

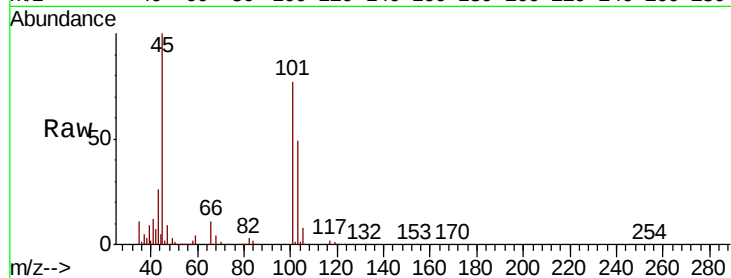
Acq: 24 Mar 2021 16:36

Tot Ion: 45 Resp: 1262063

Ion Ratio Lower Upper

45 100

58 2.0 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

600000

500000

400000

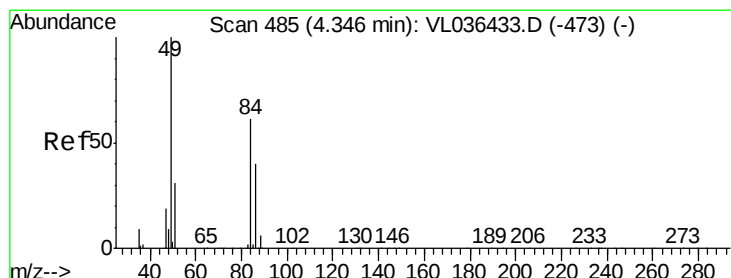
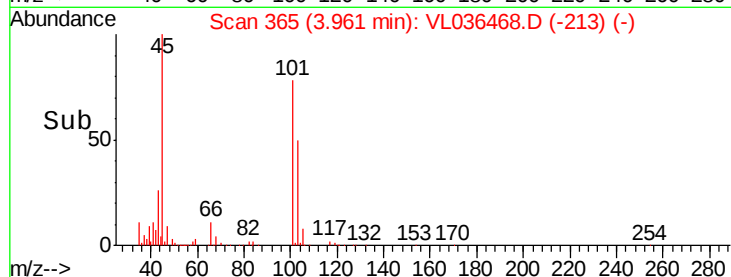
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.316 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL036468.D

Acq: 24 Mar 2021 16:36

Tgt Ion: 84 Resp: 575673

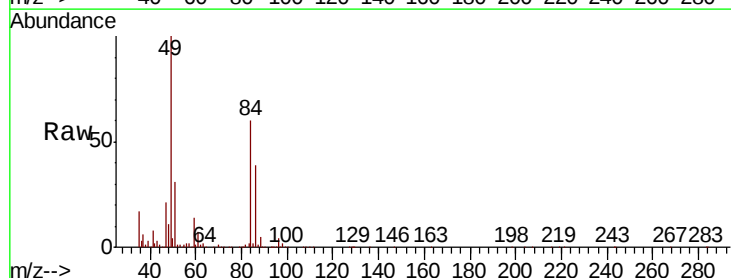
Ion Ratio Lower Upper

84 100

49 162.1 130.2 195.2

51 49.1 40.5 60.7

86 65.5 51.4 77.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

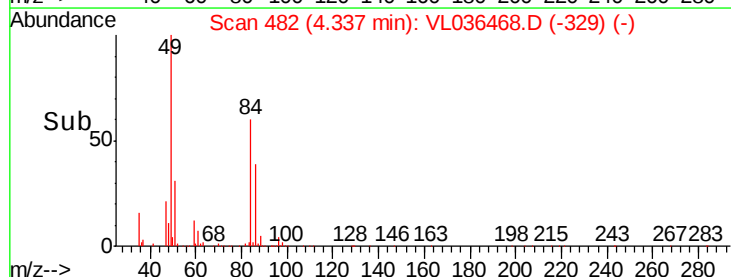
600000

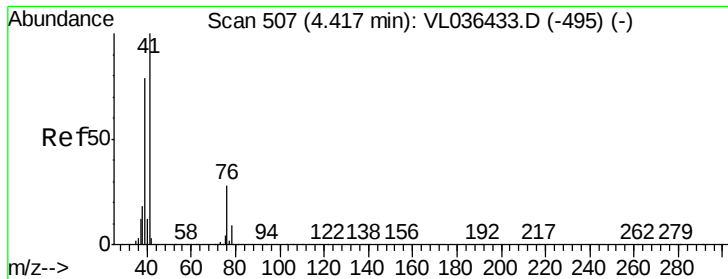
400000

200000

0

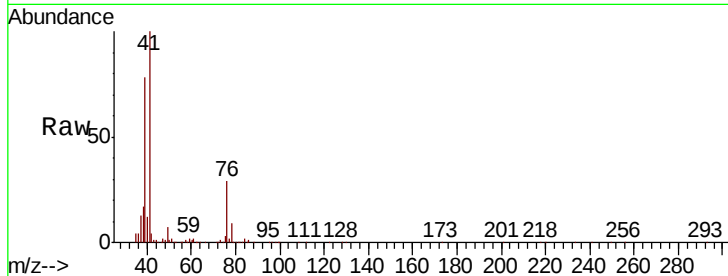
Time-->



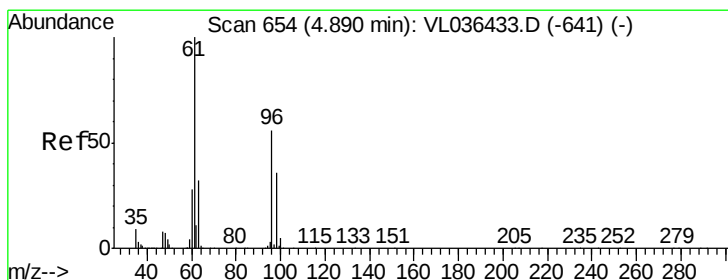
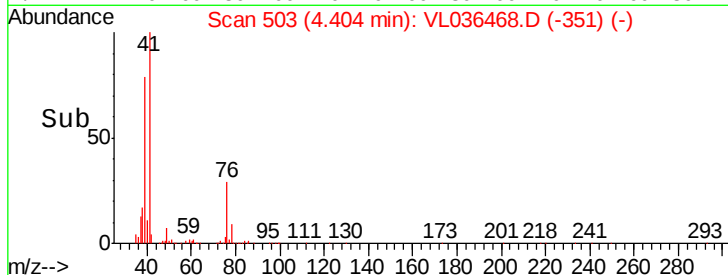
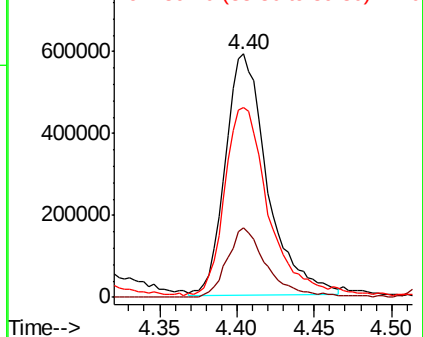


#21
Allvl Chloride
Concen: 10.777 ppbv
RT: 4.40
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Mar 2021 16:36

Tot Ion: 41 Resp: 1113990
Ion Ratio Lower Upper
41 100
76 27.6 21.8 32.8
39 82.4 66.0 99.0

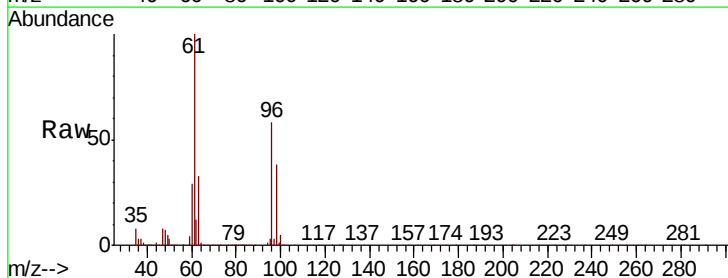


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

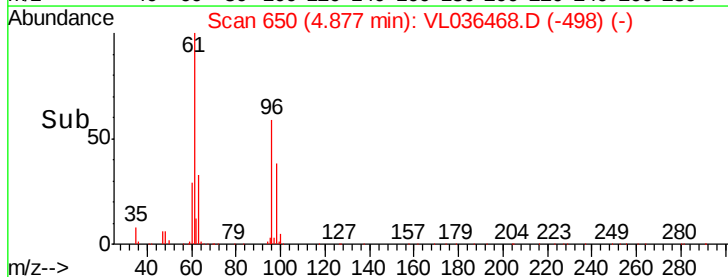
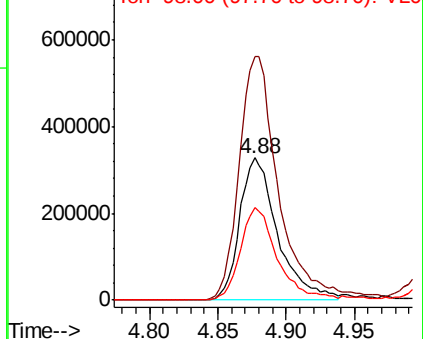


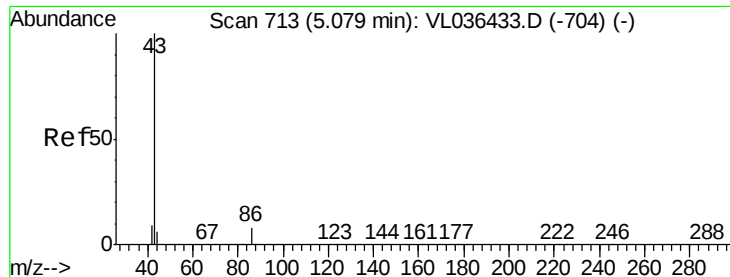
#22
trans-1,2-Dichloroethene
Concen: 10.771 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

Tgt Ion: 96 Resp: 633310
Ion Ratio Lower Upper
96 100
61 170.9 142.1 213.1
98 65.1 50.6 75.8



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 11.110 ppbv

RT: 5.07 Instrument:

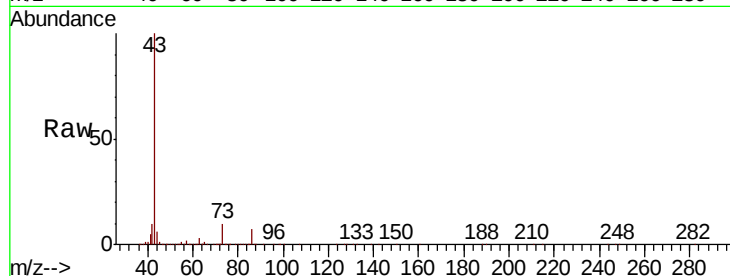
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

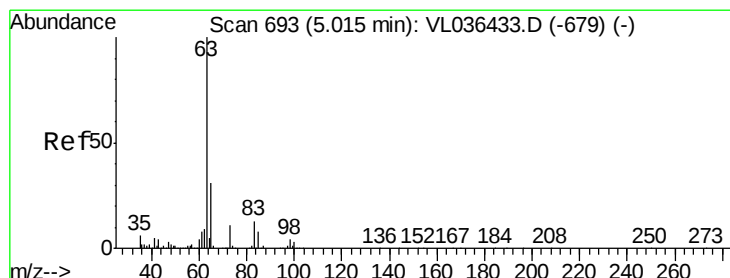
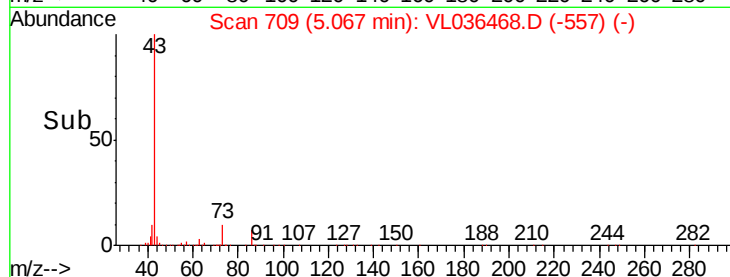
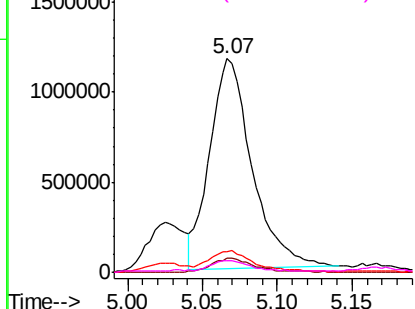
Acq: 24 Mar 2021 16:36

Tot Ion: 43 Resp: 2305023

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.2	7.8
42	9.8	8.3	12.5
44	5.1	4.4	6.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.268 ppbv

RT: 5.01 min Scan# 690

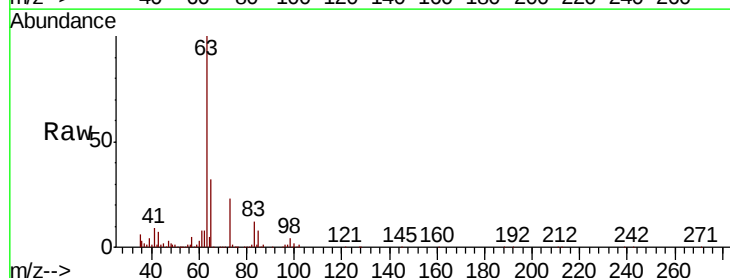
Delta R.T. -0.01 min

Lab File: VL036468.D

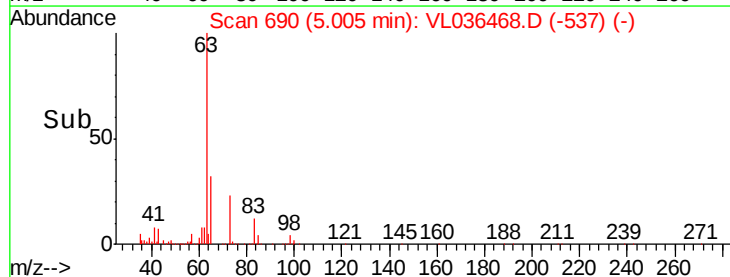
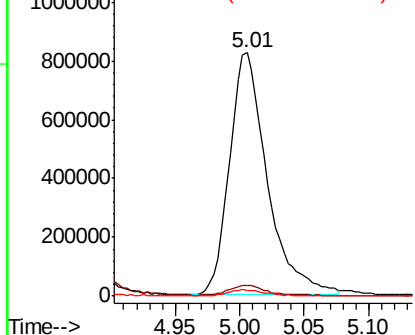
Acq: 24 Mar 2021 16:36

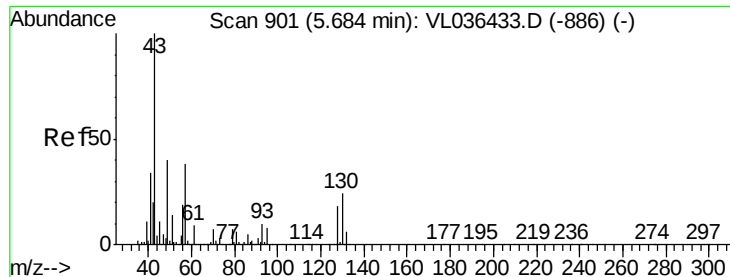
Tgt Ion: 63 Resp: 1681411

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.0	5.8
100	2.4	1.3	3.8



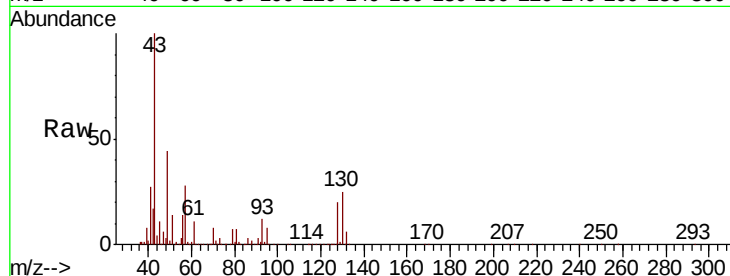
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0



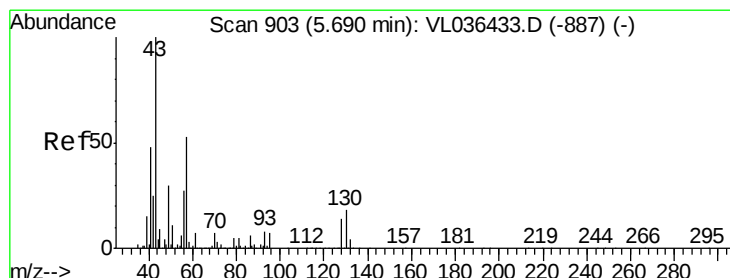
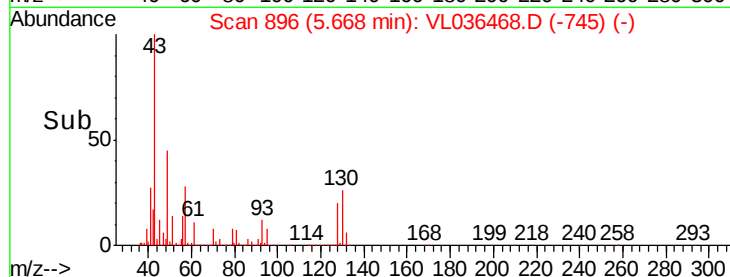
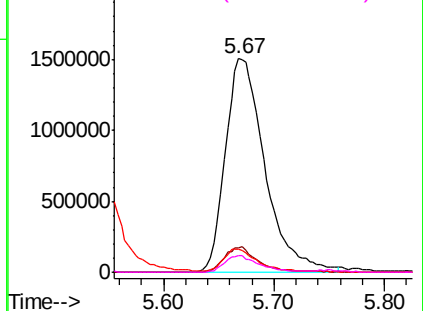


#25
Ethyl Acetate
Concen: 10.461 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 16:36

Tot Ion:	43	Resp:	3728525
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.0	12.0
61	9.9	7.7	11.5
70	6.9	5.4	8.0

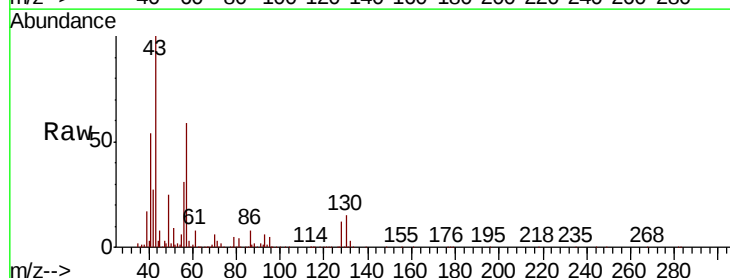


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

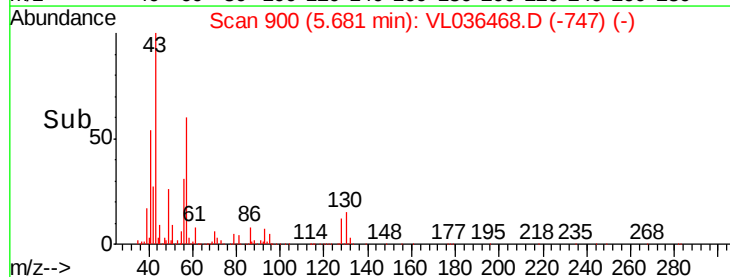
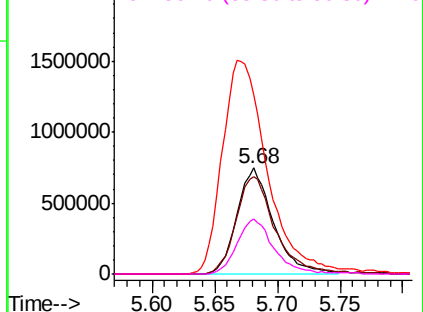


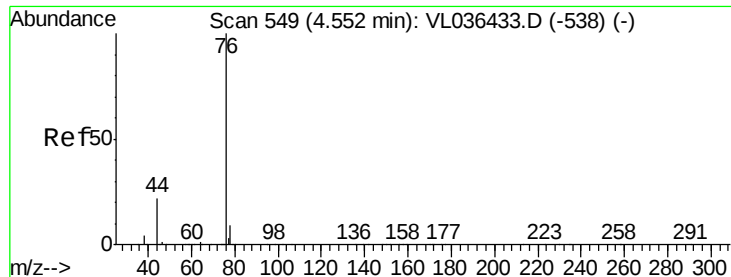
#26
Hexane
Concen: 10.320 ppbv
RT: 5.68 min Scan# 900
Delta R.T.: -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

Tgt Ion:	57	Resp:	1505107
Ion	Ratio	Lower	Upper
57	100		
41	100.0	80.4	120.6
43	251.9	199.8	299.6
56	53.5	43.8	65.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.464 ppbv

RT: 4.54 Instrument:

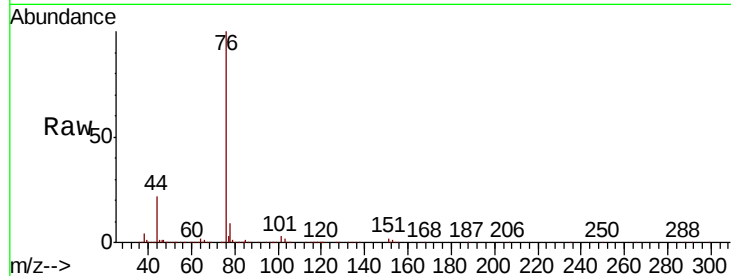
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

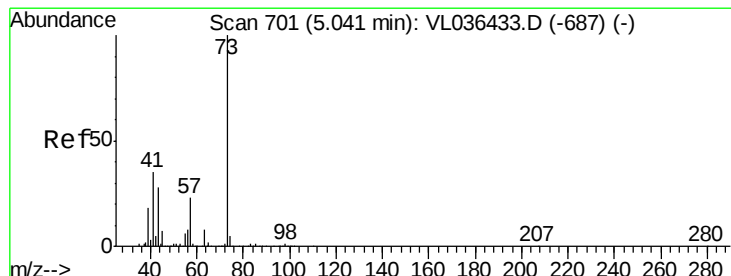
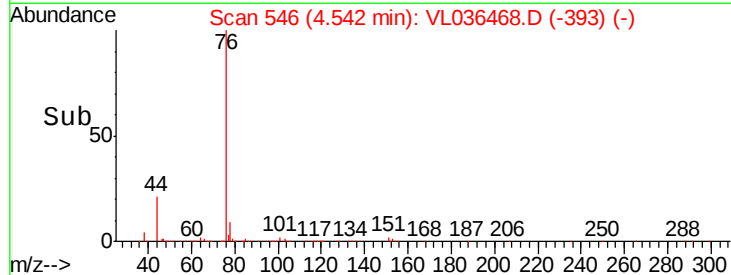
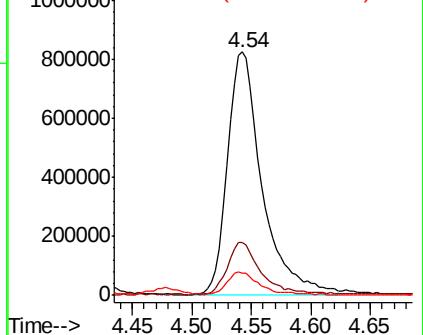
Acq: 24 Mar 2021 16:36

Tot Ion: 76 Resp: 1659350

Ion	Ratio	Lower	Upper
76	100		
44	20.9	17.4	26.0
78	9.9	7.4	11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.840 ppbv

RT: 5.02 min Scan# 696

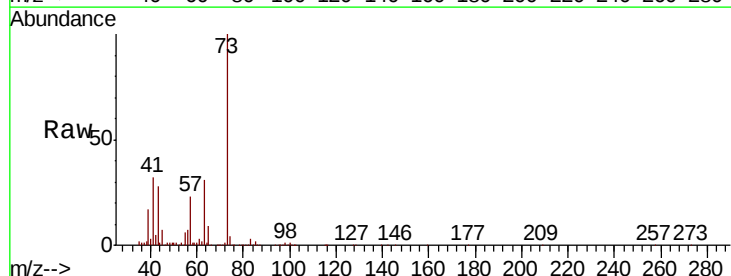
Delta R.T. -0.02 min

Lab File: VL036468.D

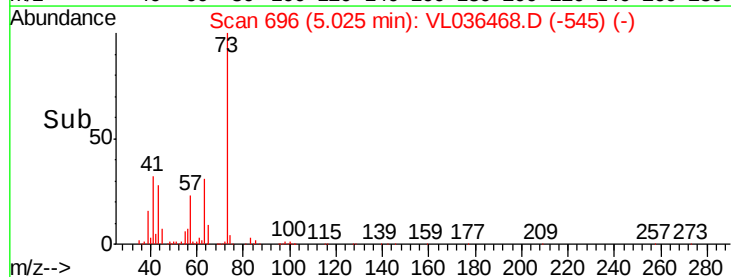
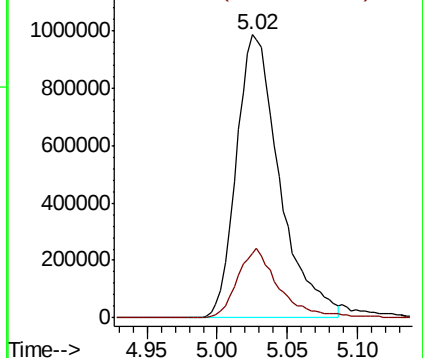
Acq: 24 Mar 2021 16:36

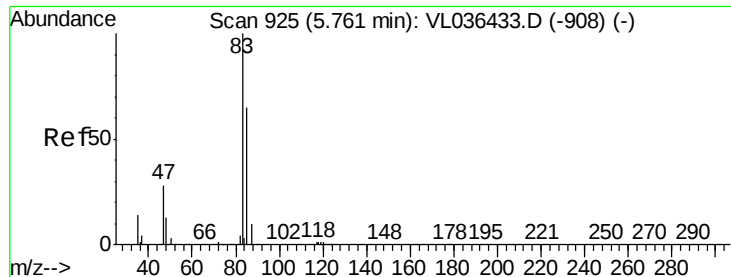
Tgt Ion: 73 Resp: 2118554

Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.0	28.6



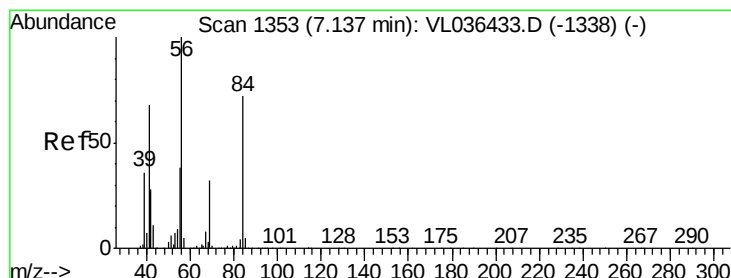
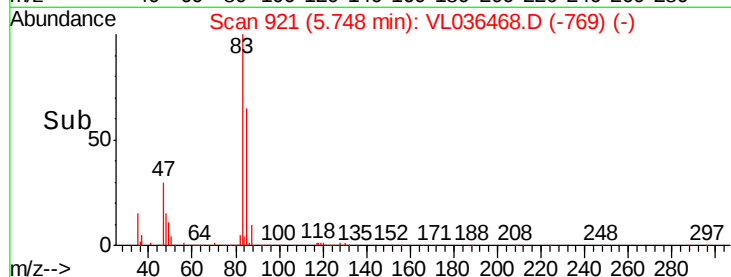
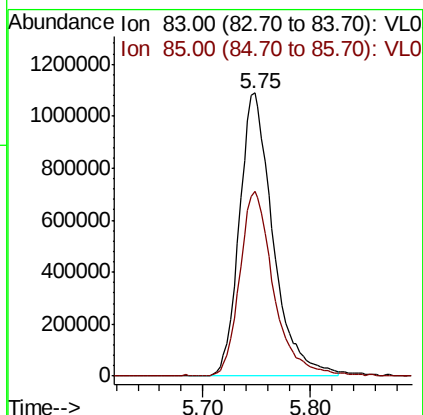
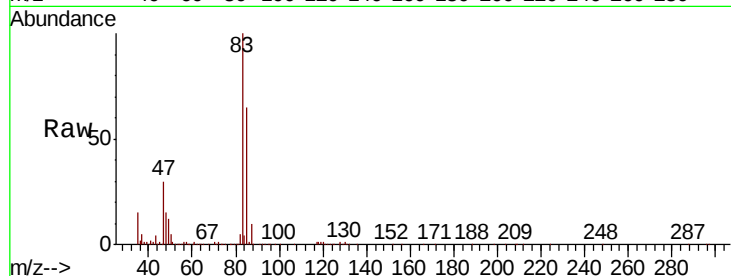
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





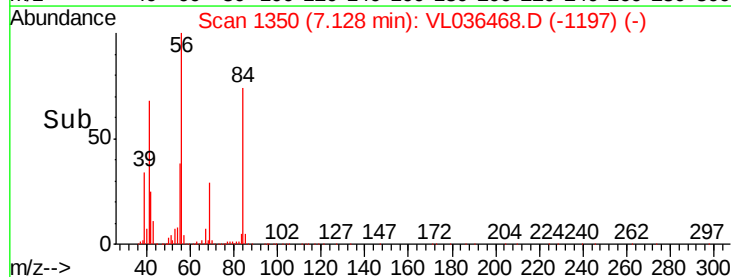
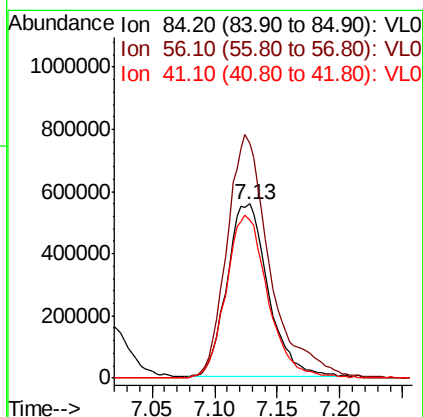
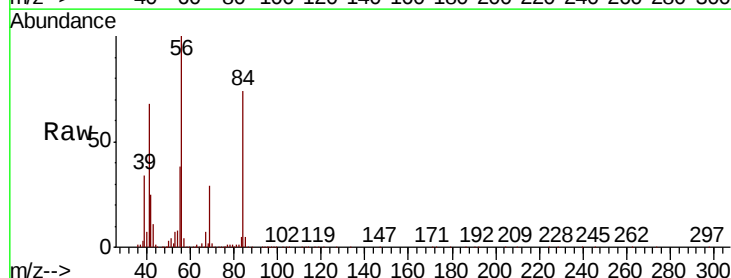
#29
Chloroform
Concen: 9.924 ppbv
RT: 5.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2021 16:36

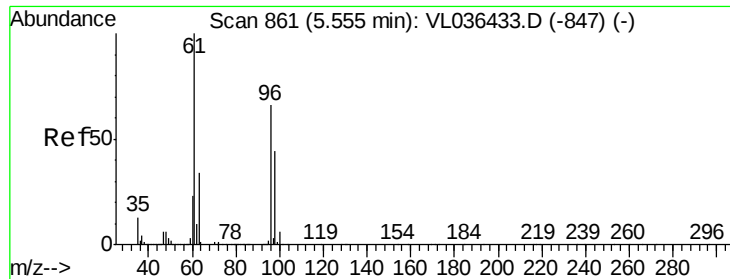
Tot Ion: 83 Resp: 2367956
Ion Ratio Lower Upper
83 100
85 65.0 51.9 77.9



#30
Cyclohexane
Concen: 10.530 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

Tgt Ion: 84 Resp: 1268971
Ion Ratio Lower Upper
84 100
56 148.0 117.6 176.4
41 95.3 75.9 113.9





#31

cis-1,2-Dichloroethene

Concen: 11.051 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 16:36

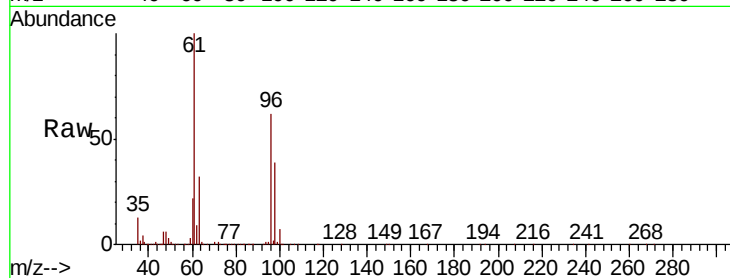
Tot Ion: 61 Resp: 1556808

Ion Ratio Lower Upper

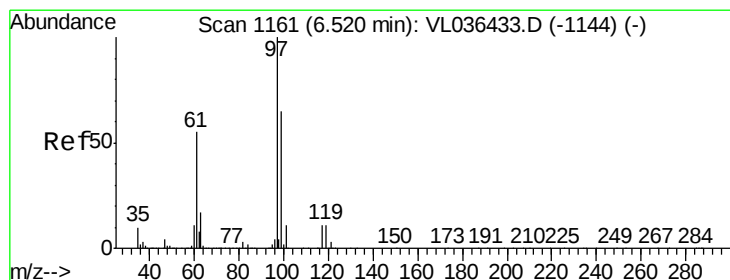
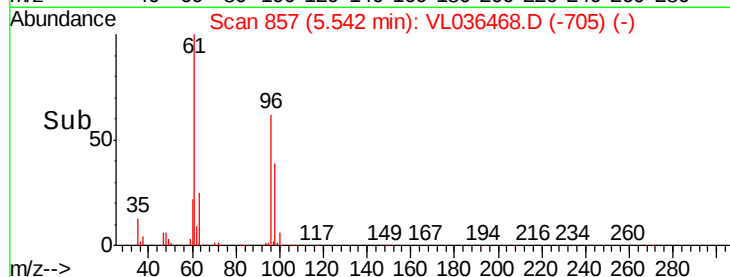
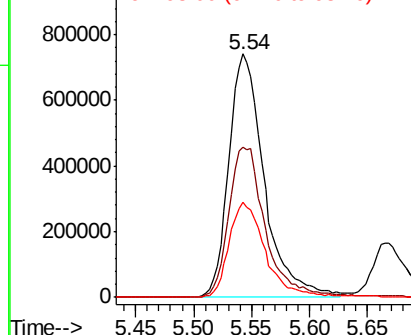
61 100

96 61.7 52.9 79.3

98 39.3 34.9 52.3



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.828 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VL036468.D

Acq: 24 Mar 2021 16:36

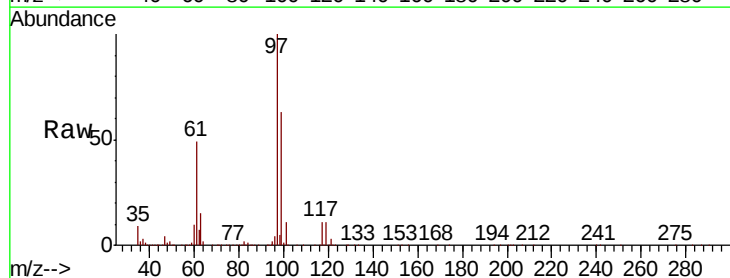
Tgt Ion: 97 Resp: 2356343

Ion Ratio Lower Upper

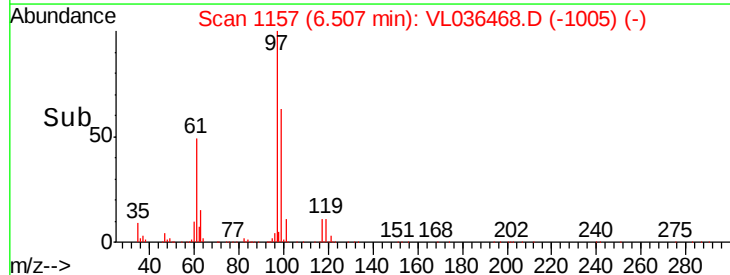
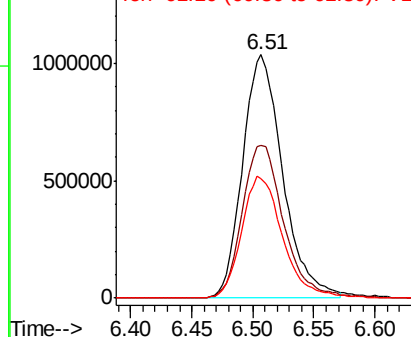
97 100

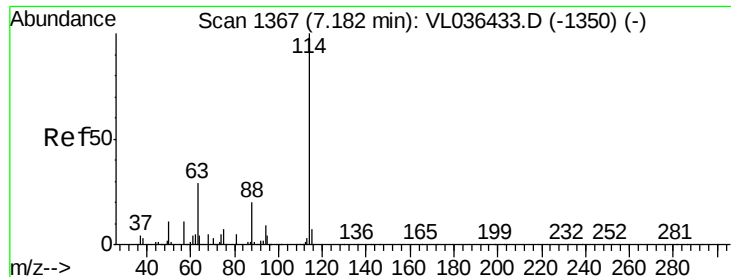
99 65.5 52.1 78.1

61 51.3 42.2 63.4



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 16:36

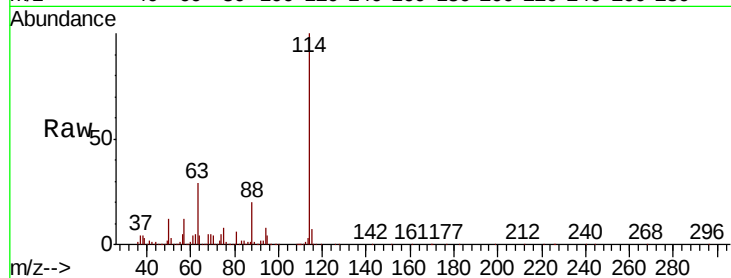
Tot Ion:114 Resp: 3928281

Ion	Ratio	Lower	Upper
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114	100		
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63	27.7	23.3	34.9
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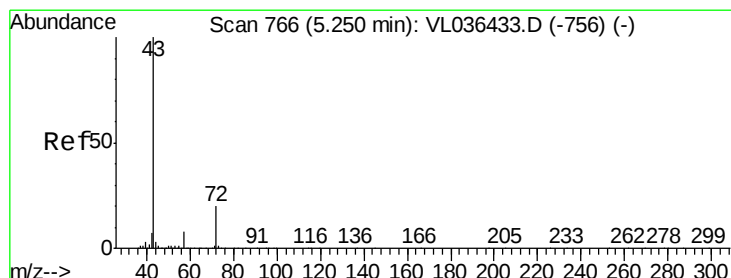
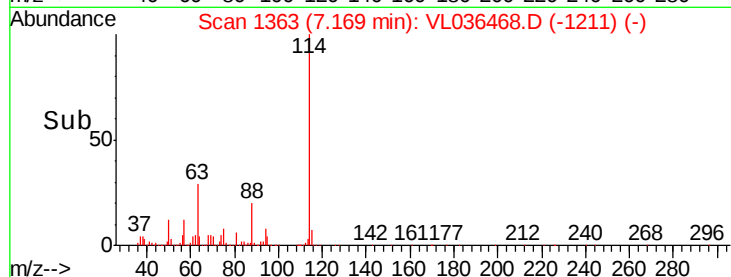
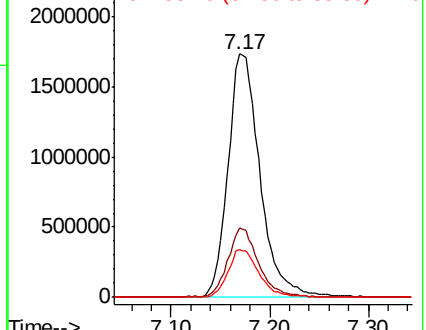
88	19.3	15.6	23.4
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.087 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.01 min

Lab File: VL036468.D

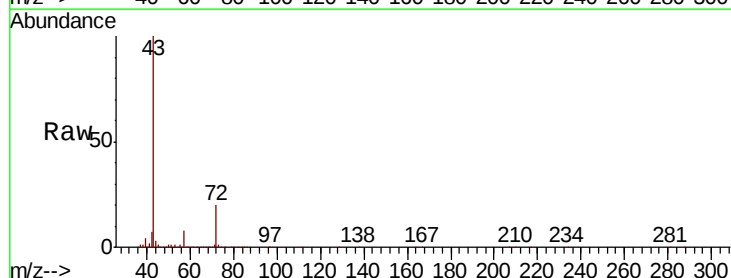
Acq: 24 Mar 2021 16:36

Tgt Ion: 43 Resp: 2388512

Ion	Ratio	Lower	Upper
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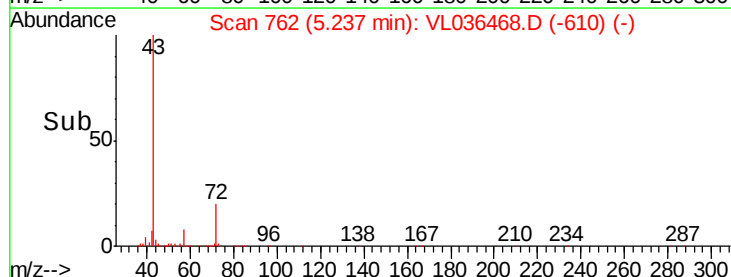
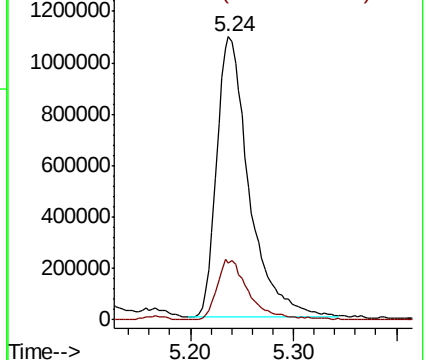
43	100		
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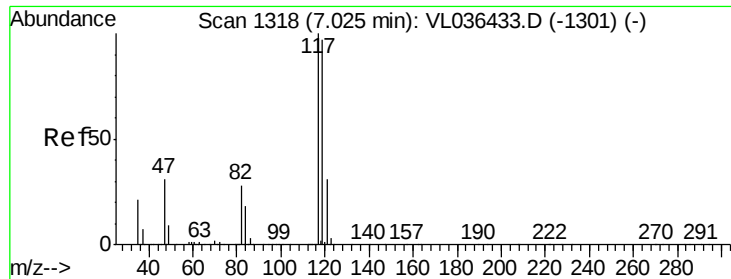
72	21.2	16.7	25.1
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

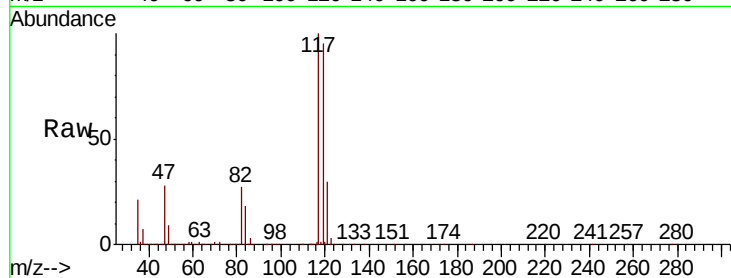




#35
Carbon Tetrachloride
Concen: 9.559 ppbv
RT: 7.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 16:36

Tot Ion:117 Resp: 2426252

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.8	116.6
121	30.1	24.6	36.8

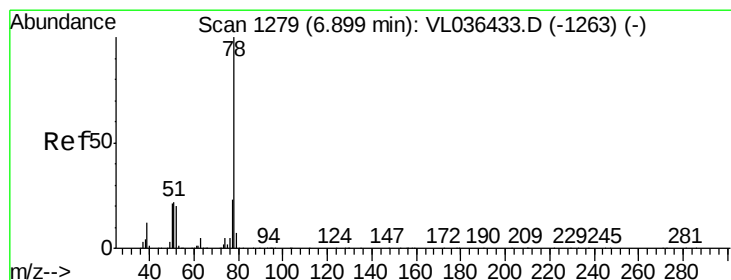
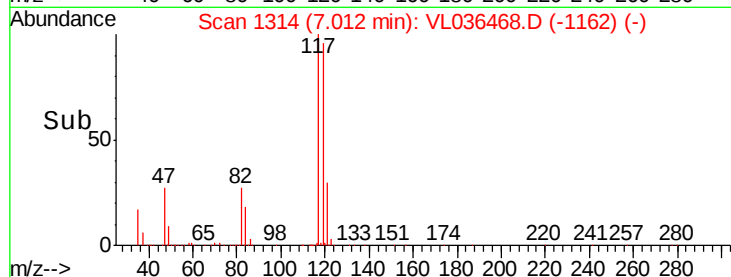
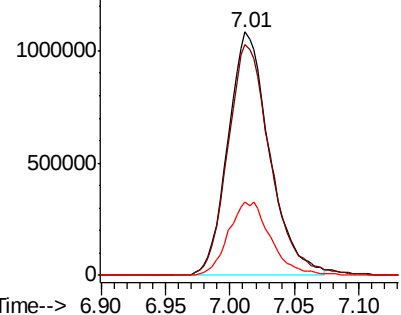


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

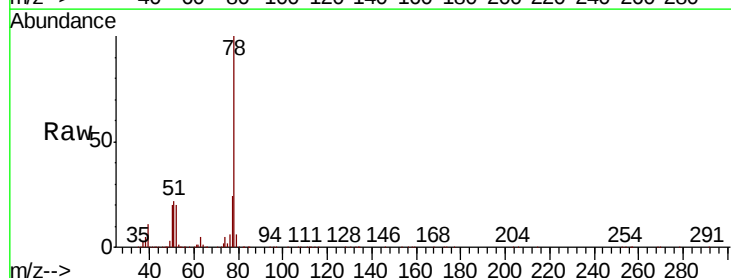
Ion 121.00 (120.70 to 121.70): V



#36
Benzene
Concen: 10.451 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

Tgt Ion: 78 Resp: 3185663

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.1	27.1
50	20.3	16.8	25.2

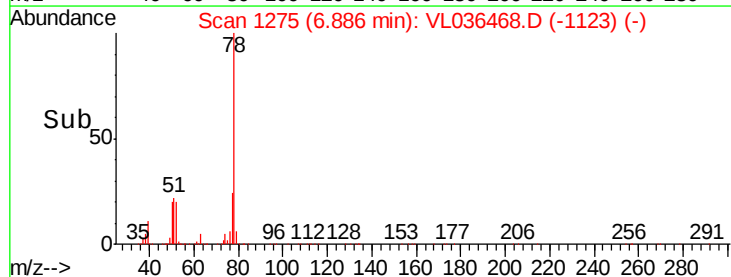
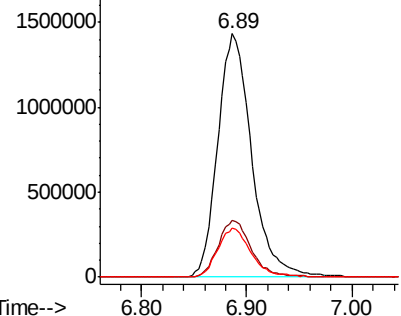


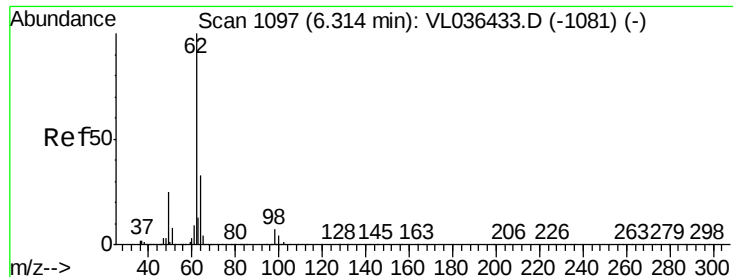
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

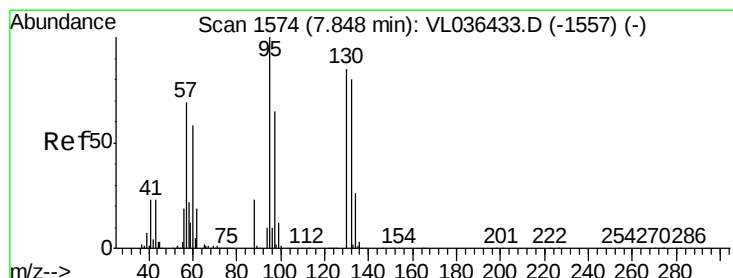
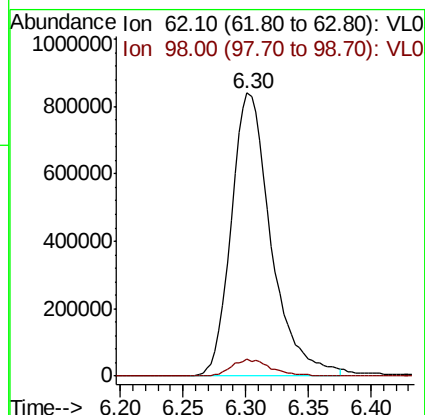
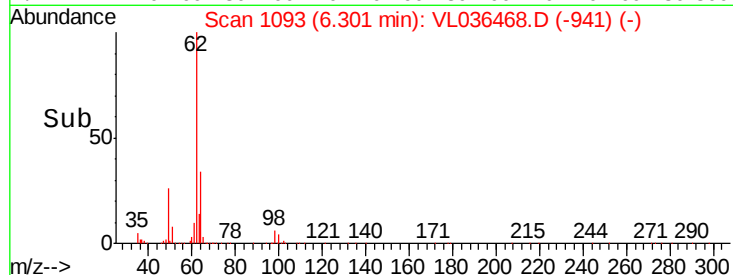
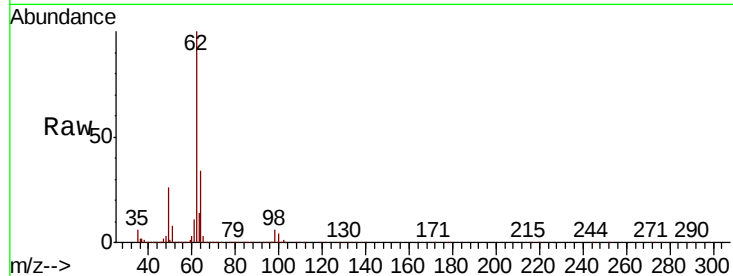
Ion 50.10 (49.80 to 50.80): VL0





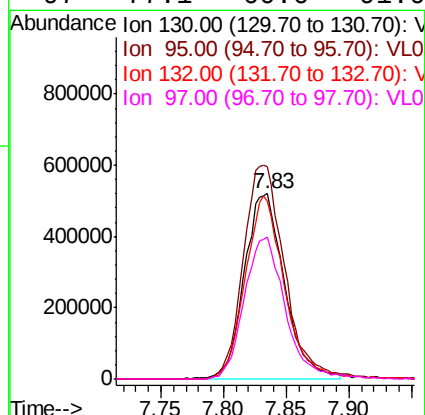
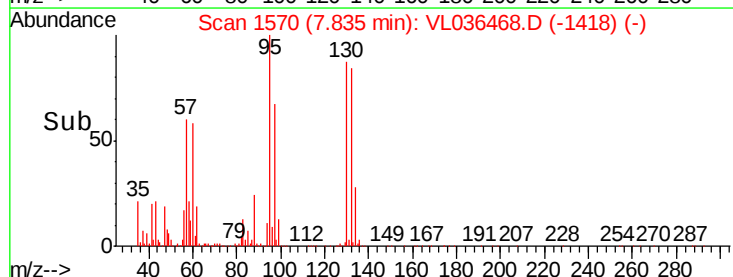
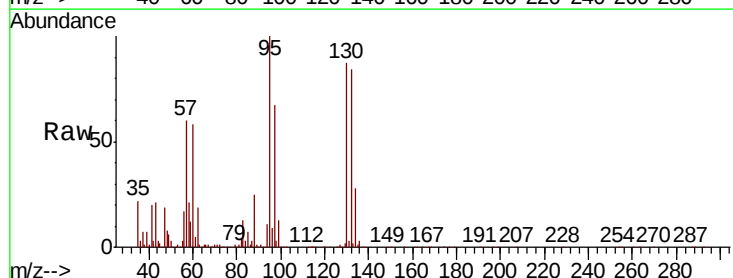
#37
 1,2-Dichloroethane
 Concen: 9.652 ppbv
 RT: 6.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 16:36

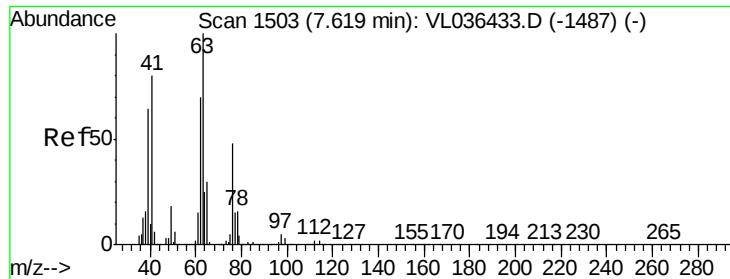
Tot Ion: 62 Resp: 1848763
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.8 7.2



#38
 Trichloroethene
 Concen: 9.980 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

Tgt Ion: 130 Resp: 1149675
 Ion Ratio Lower Upper
 130 100
 95 114.9 93.8 140.8
 132 96.2 74.6 112.0
 97 77.1 60.6 91.0





#39

1,2-Dichloropropane

Concen: 9.818 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 16:36

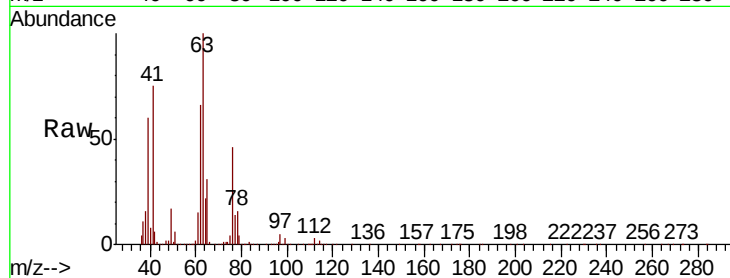
Tot Ion: 63 Resp: 1272635

Ion Ratio Lower Upper

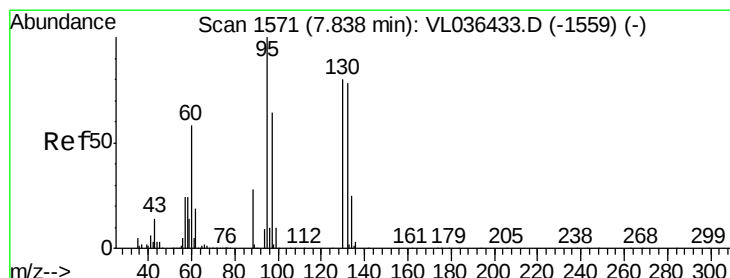
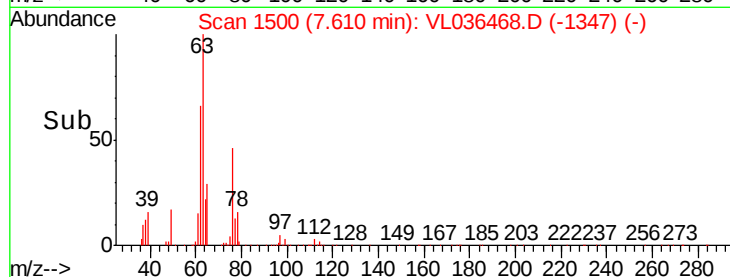
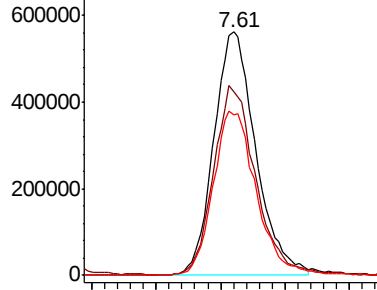
63 100

41 75.0 64.4 96.6

62 65.7 55.7 83.5



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.576 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL036468.D

Acq: 24 Mar 2021 16:36

Tgt Ion: 88 Resp: 449996

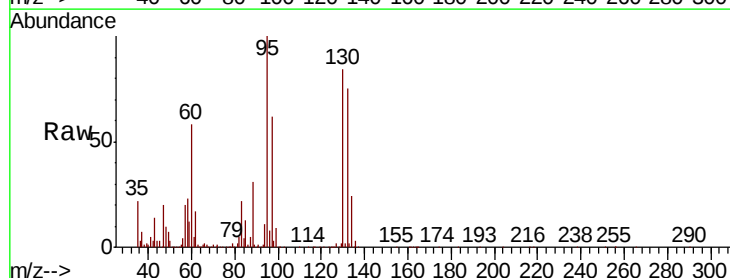
Ion Ratio Lower Upper

88 100

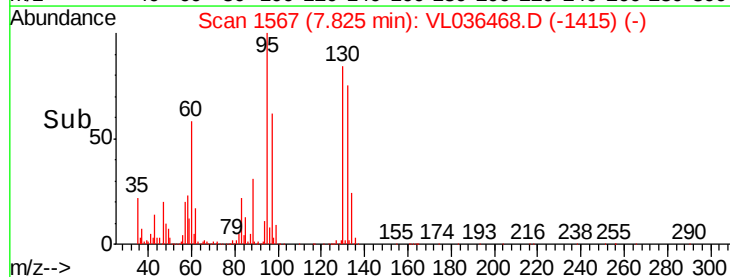
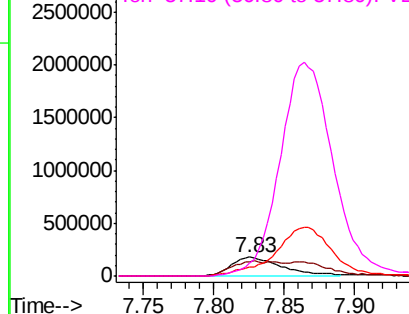
58 137.6 119.6 179.4

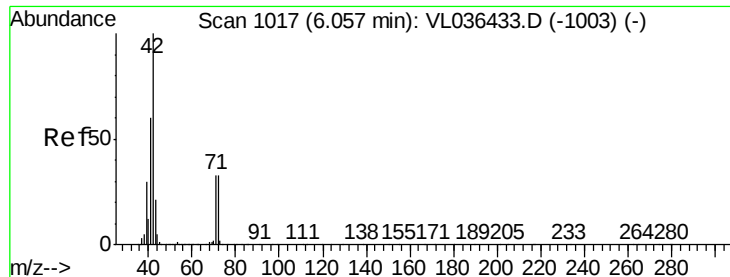
43 288.3 254.2 381.4

57 1195.3 1044.0 1566.0



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.169 ppbv

RT: 6.04 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 16:36

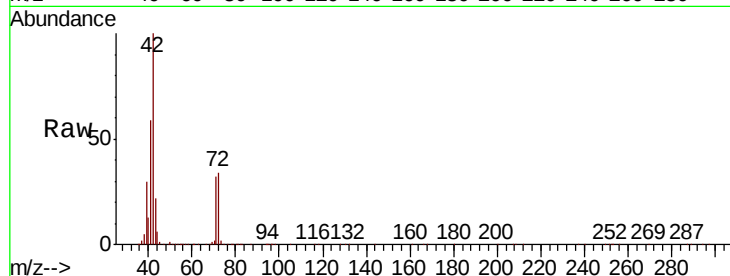
Tot Ion: 42 Resp: 1475028

Ion Ratio Lower Upper

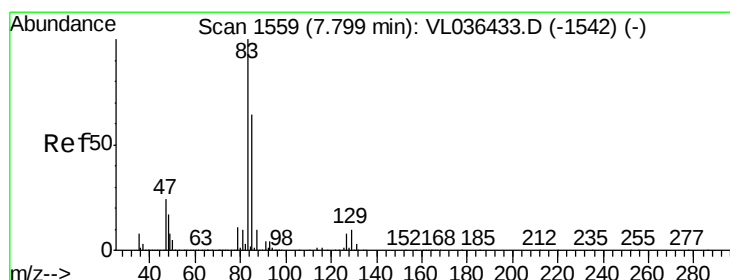
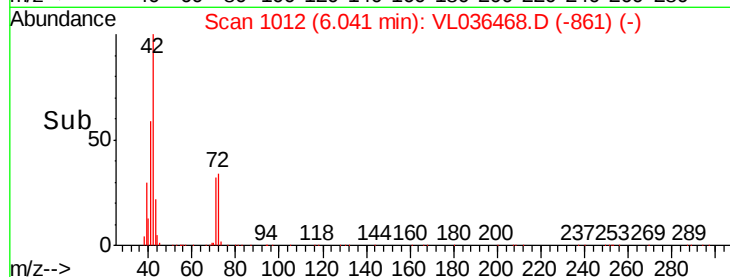
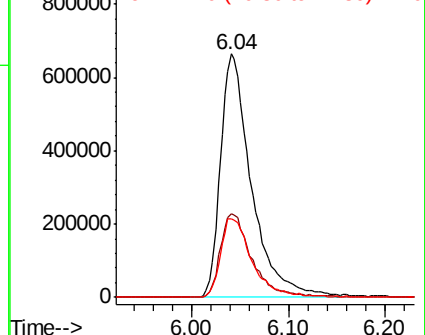
42 100

72 35.3 28.1 42.1

71 33.3 27.6 41.4



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.756 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VL036468.D

Acq: 24 Mar 2021 16:36

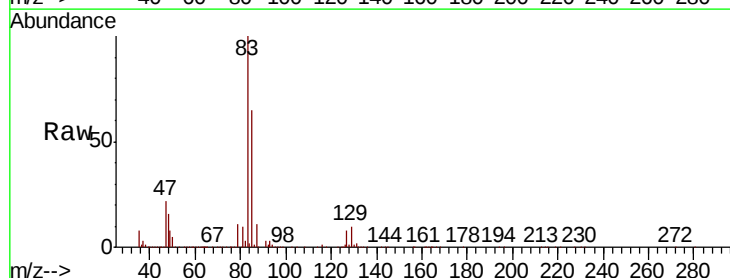
Tgt Ion: 83 Resp: 2525228

Ion Ratio Lower Upper

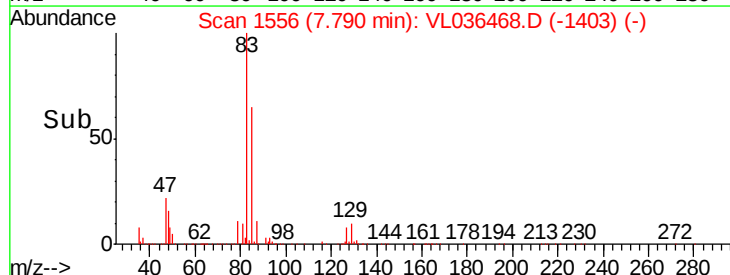
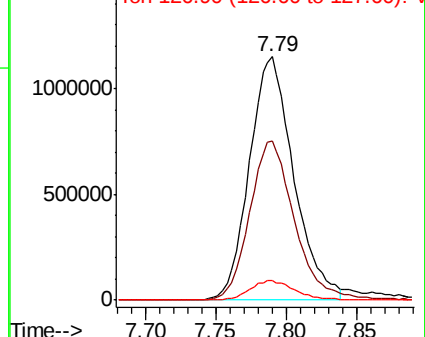
83 100

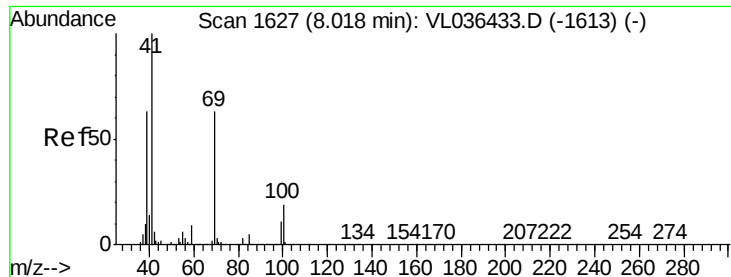
85 65.3 51.2 76.8

127 8.0 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.466 ppbv

RT: 8.01

Instrument: MSVOA_1

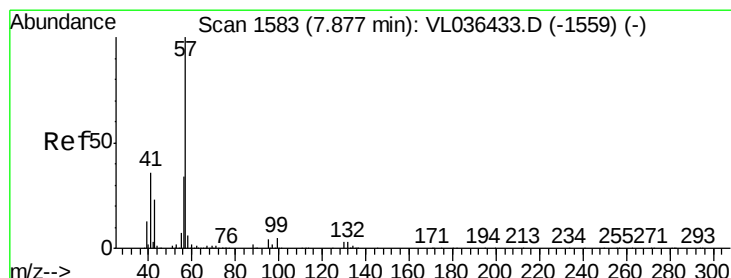
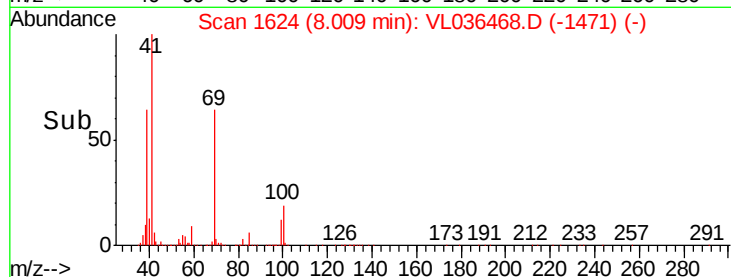
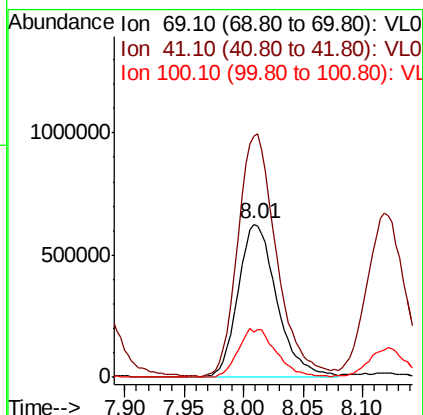
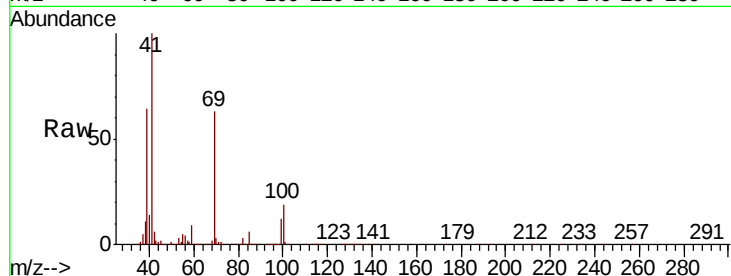
Delta R.T.:

Lab File: ClientSampleId:

Acq: 24 Mar 2021 16:36

Tot Ion: 69 Resp: 1415438

Ion	Ratio	Lower	Upper
69	100		
41	158.4	127.6	191.4
100	31.3	24.6	37.0



#44

2,2,4-Trimethylpentane

Concen: 9.680 ppbv

RT: 7.86 min

Scan# 1579

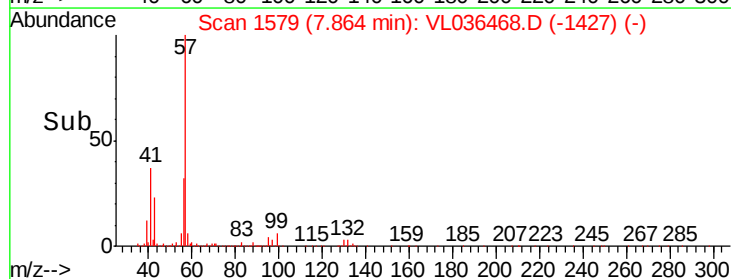
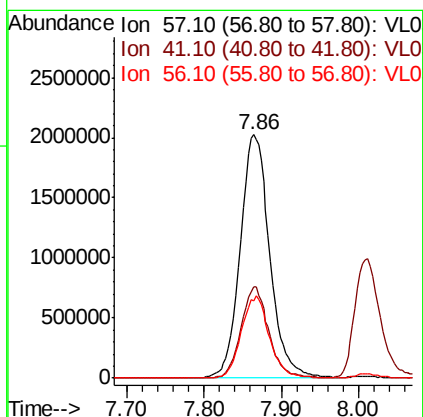
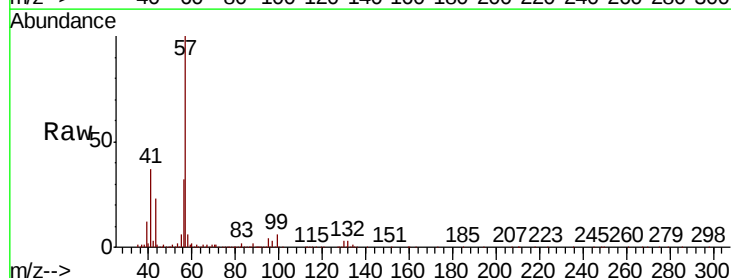
Delta R.T. -0.01 min

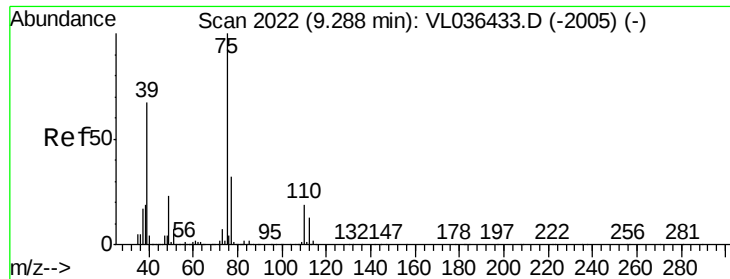
Lab File: VL036468.D

Acq: 24 Mar 2021 16:36

Tgt Ion: 57 Resp: 5379986

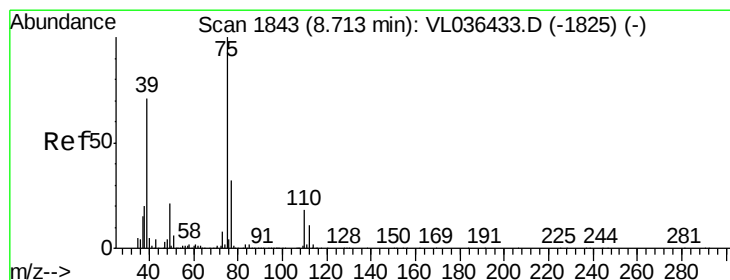
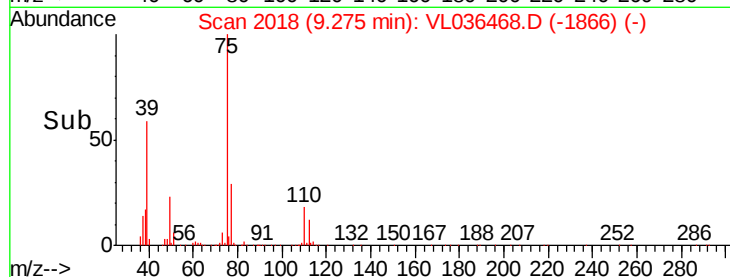
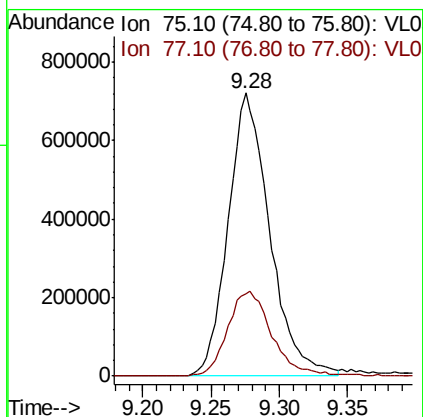
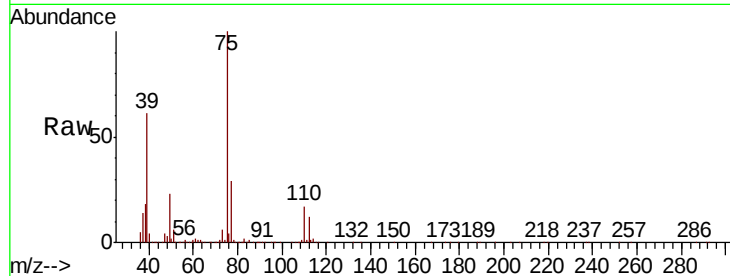
Ion	Ratio	Lower	Upper
57	100		
41	35.2	28.2	42.2
56	32.1	25.9	38.9





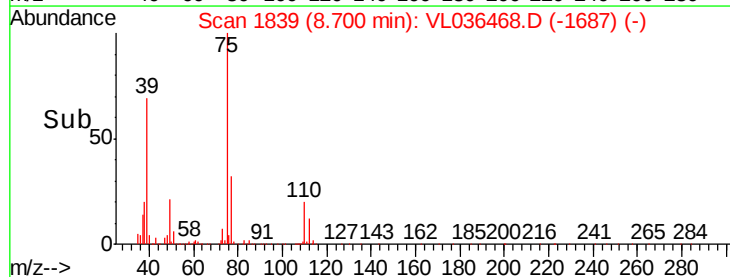
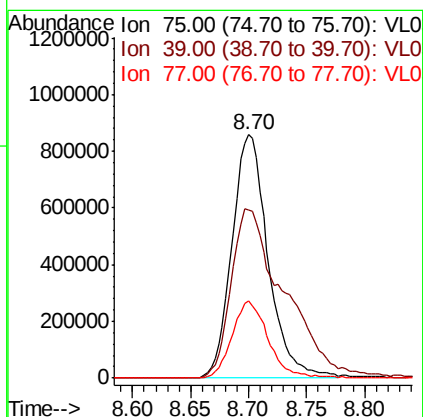
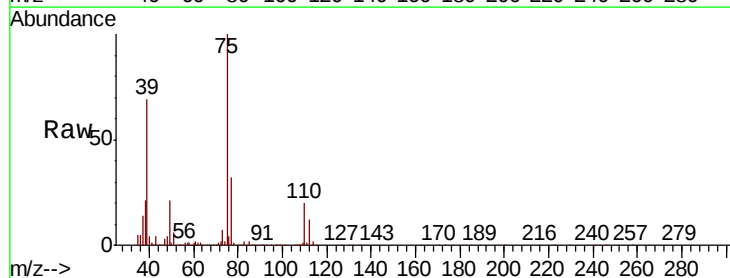
#45
t-1,3-Dichloropropene
Concen: 12.659 ppbv
RT: 9.28 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2021 16:36

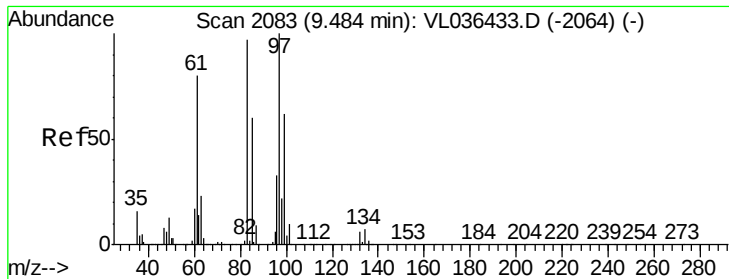
Tot Ion: 75 Resp: 1520943
Ion Ratio Lower Upper
75 100
77 29.2 25.4 38.2



#46
cis-1,3-Dichloropropene
Concen: 11.817 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

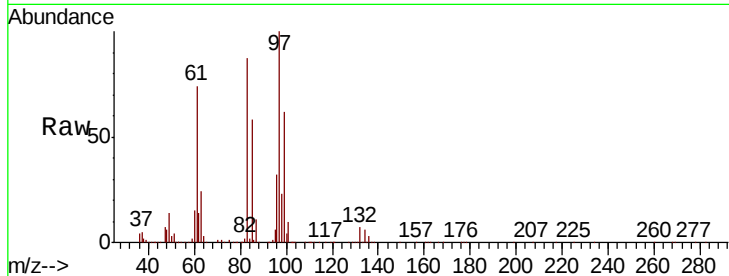
Tgt Ion: 75 Resp: 1853516
Ion Ratio Lower Upper
75 100
39 68.8 57.1 85.7
77 31.8 25.3 37.9





#47
 1,1,2-Trichloroethane
 Concen: 9.966 ppbv
 RT: 9.47 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 16:36

Tot Ion:	97	Resp:	1287657
Ion	Ratio	Lower	Upper
97	100		
83	87.3	77.8	116.8
85	57.8	47.6	71.4
99	61.7	49.6	74.4



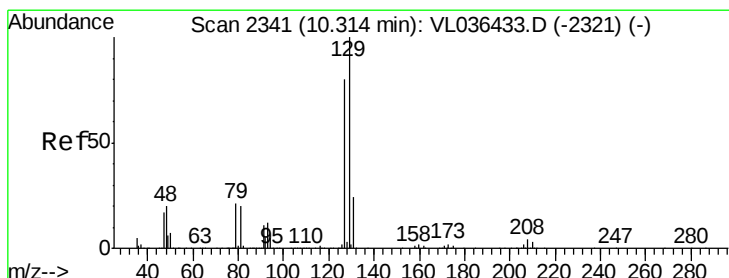
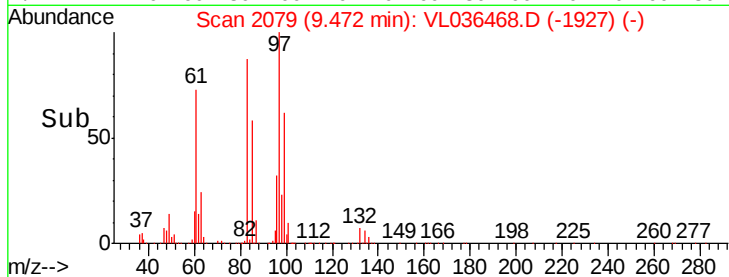
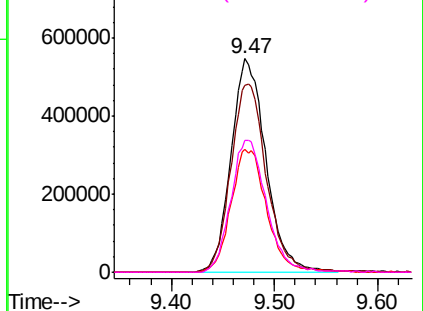
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

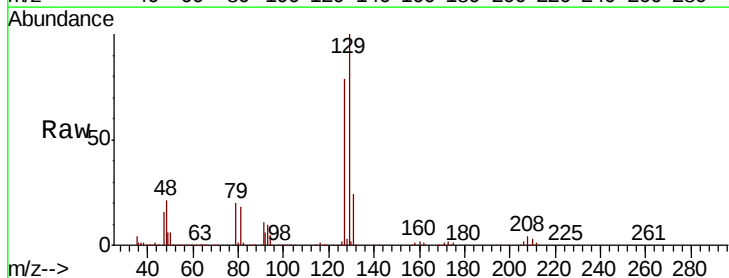
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.117 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T.: -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

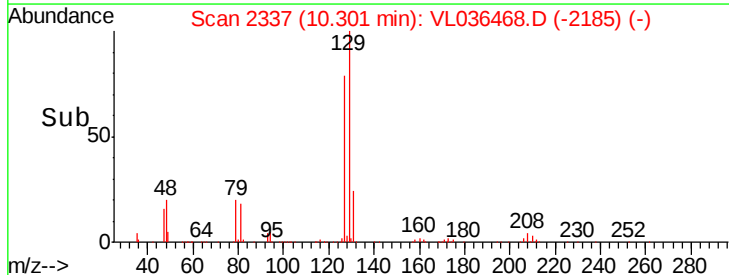
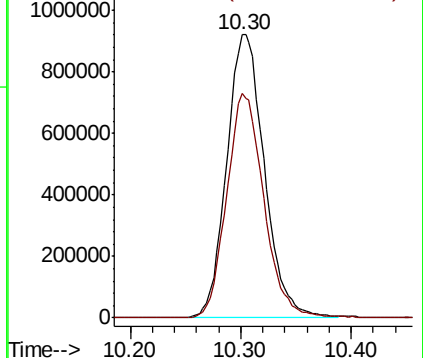
Tgt Ion:	129	Resp:	2175134
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.4	118.1

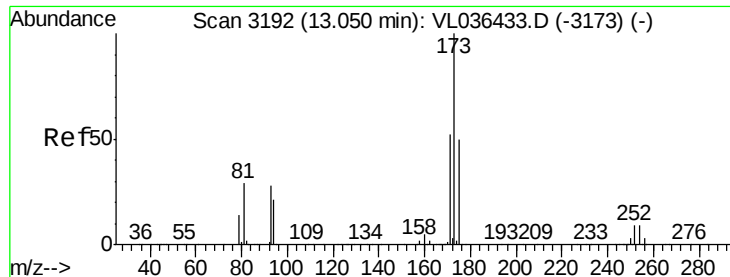


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.281 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File:

ClientSampleId :

Acq: 24 Mar 2021 16:36

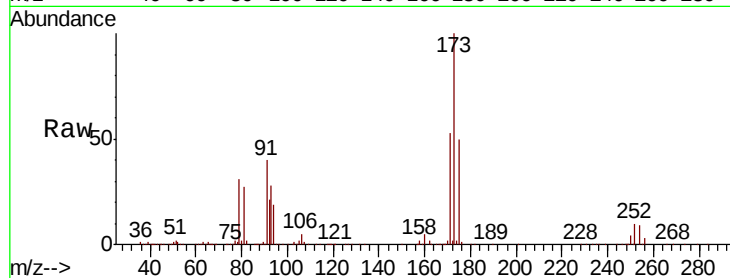
Tot Ion:173 Resp: 1805721

Ion Ratio Lower Upper

173 100

175 50.3 40.7 61.1

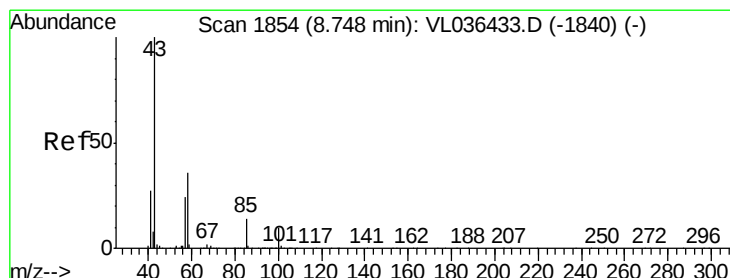
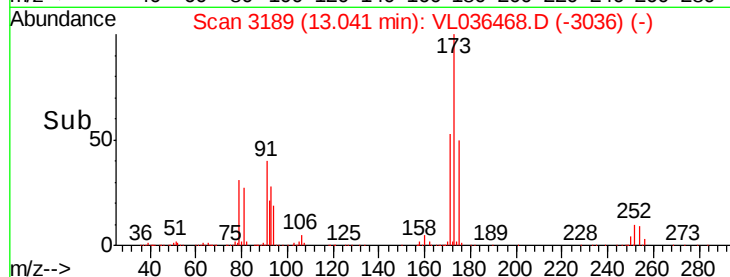
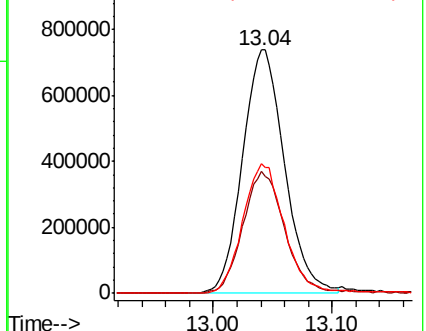
171 53.5 43.0 64.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.621 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VL036468.D

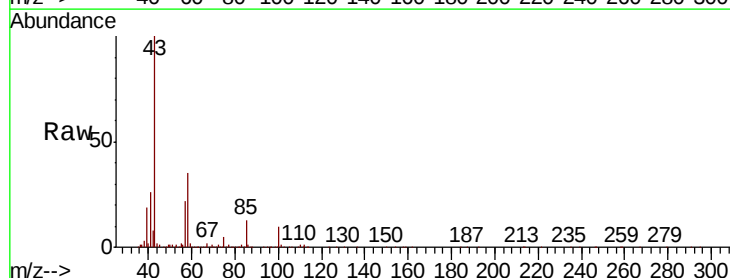
Acq: 24 Mar 2021 16:36

Tgt Ion: 43 Resp: 3661514

Ion Ratio Lower Upper

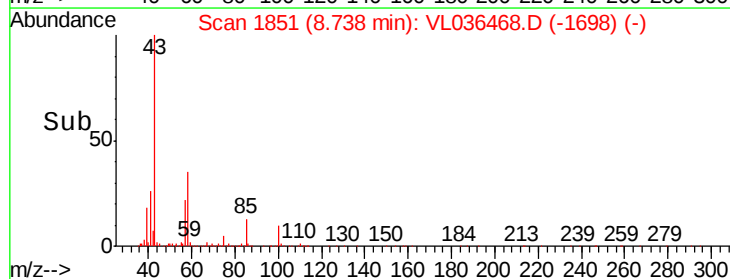
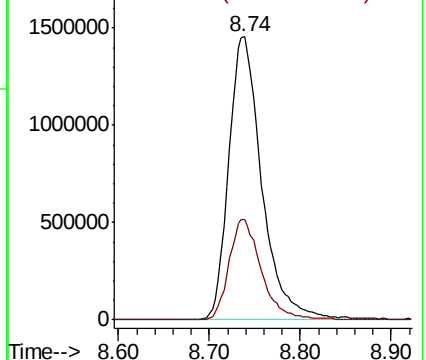
43 100

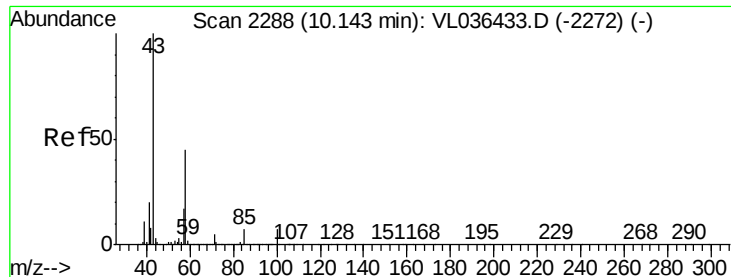
58 35.2 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

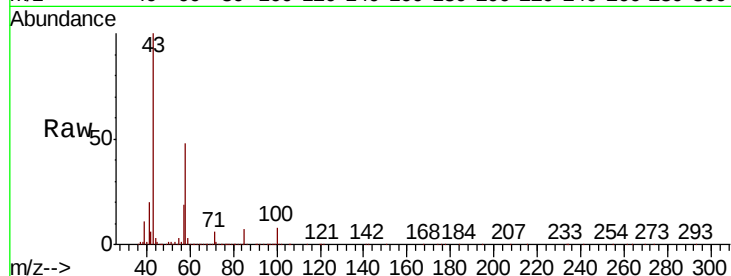




#51
2-Hexanone
Concen: 11.455 ppbv
RT: 10.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2021 16:36

Tot Ion: 43 Resp: 2985283

Ion	Ratio	Lower	Upper
43	100		
58	47.8	37.8	56.8
98	0.4	0.2	0.4

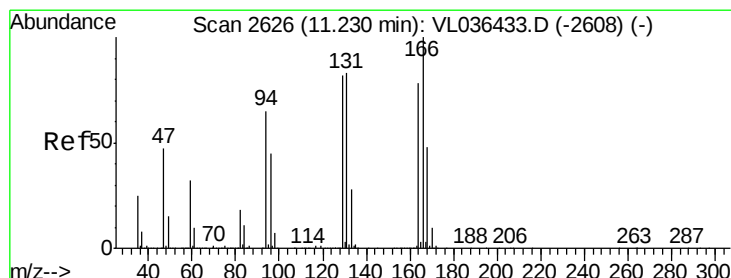
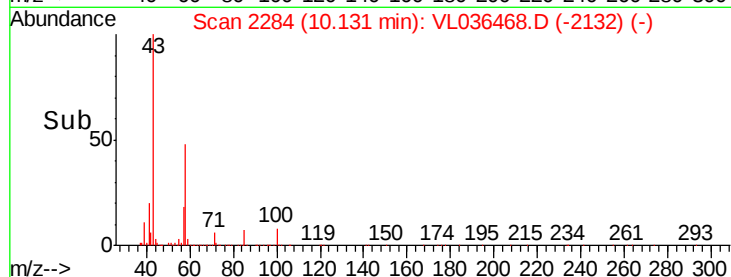
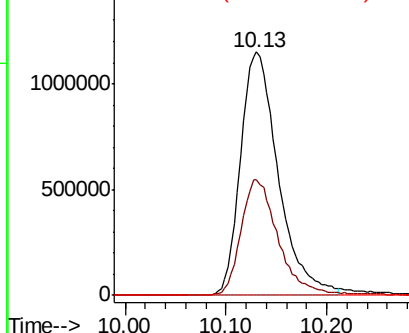


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

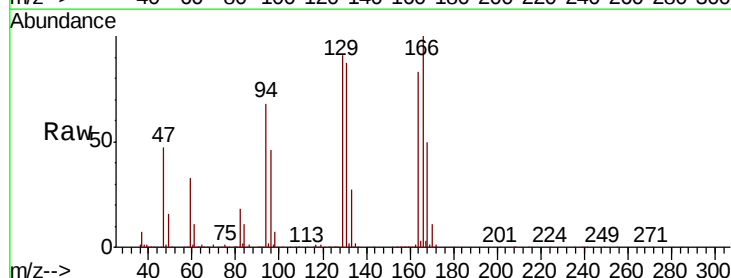
Ion 98.20 (97.90 to 98.90): VL0



#52
Tetrachloroethene
Concen: 9.633 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

Tgt Ion: 164 Resp: 1101202

Ion	Ratio	Lower	Upper
164	100		
166	120.9	102.0	153.0
129	109.9	83.3	124.9
131	104.8	84.4	126.6



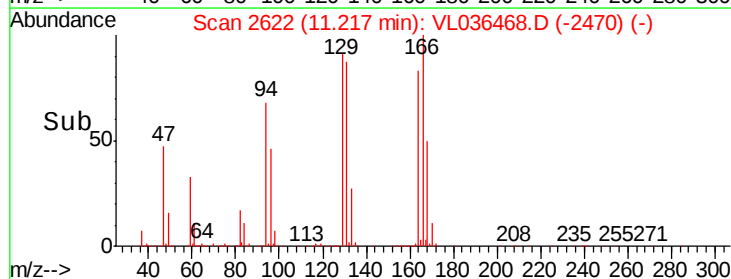
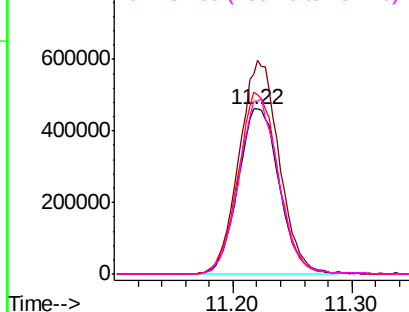
Abundance

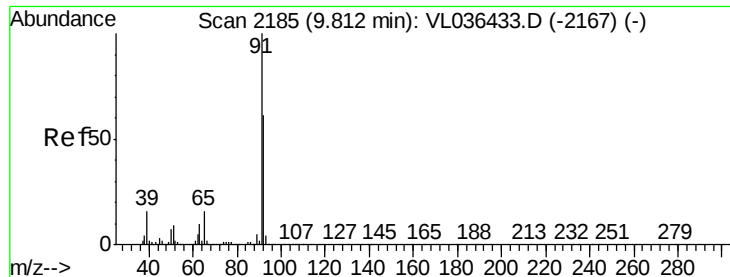
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.826 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

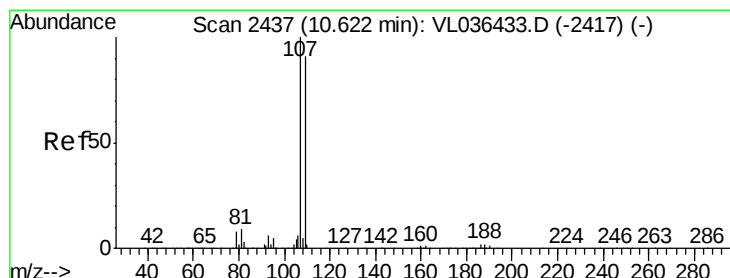
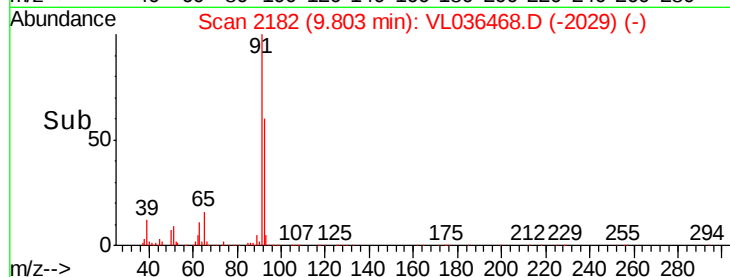
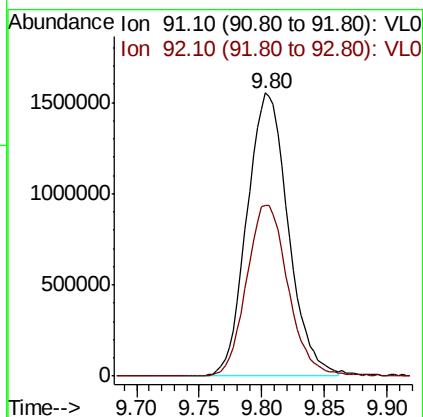
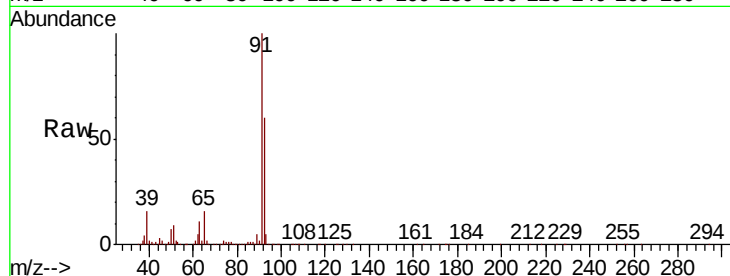
Acq: 24 Mar 2021 16:36

Tot Ion: 91 Resp: 3554153

Ion Ratio Lower Upper

91 100

92 61.4 49.0 73.6



#54

1,2-Dibromoethane

Concen: 10.373 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL036468.D

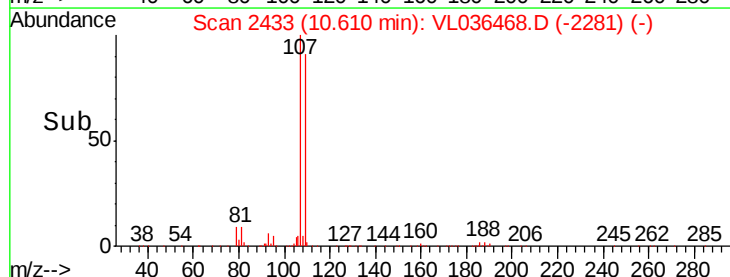
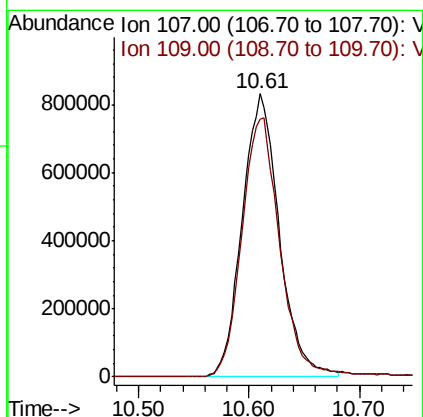
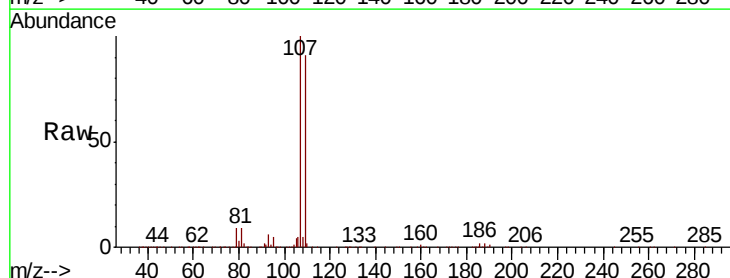
Acq: 24 Mar 2021 16:36

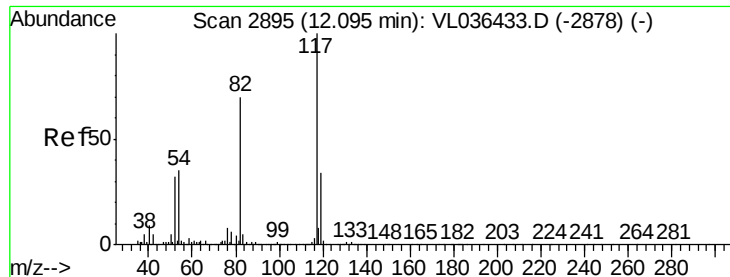
Tgt Ion: 107 Resp: 1934940

Ion Ratio Lower Upper

107 100

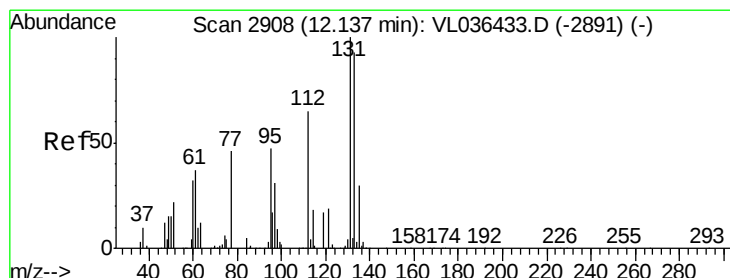
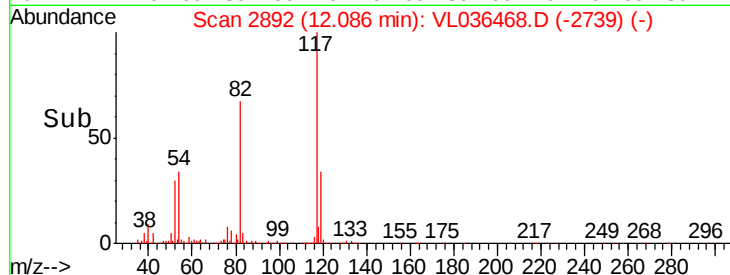
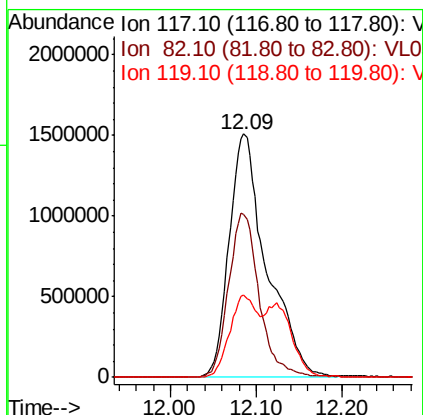
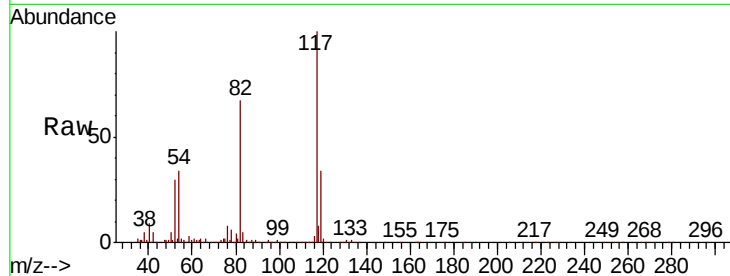
109 91.2 73.0 109.6





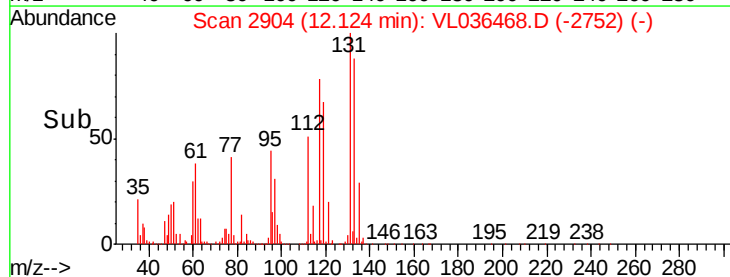
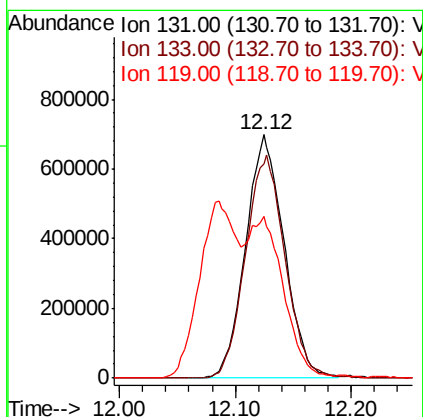
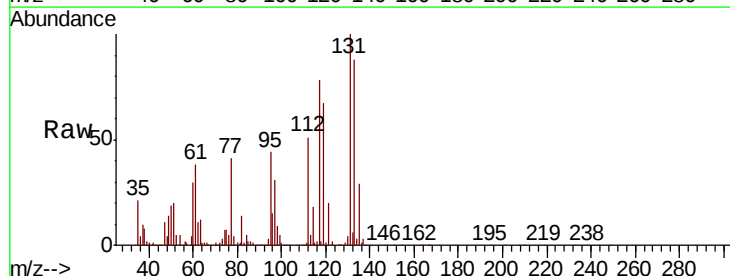
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 16:36

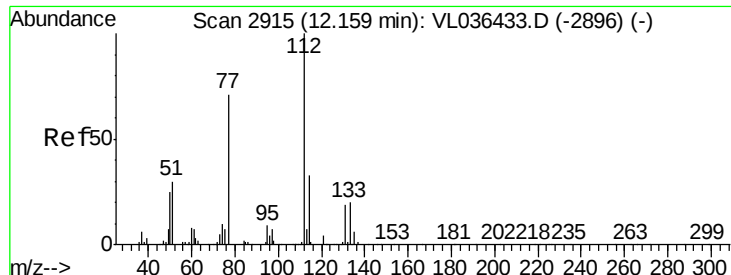
Tot Ion:117 Resp: 4590864
Ion Ratio Lower Upper
117 100
82 55.3 56.5 84.7#
119 24.7 27.0 40.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.892 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

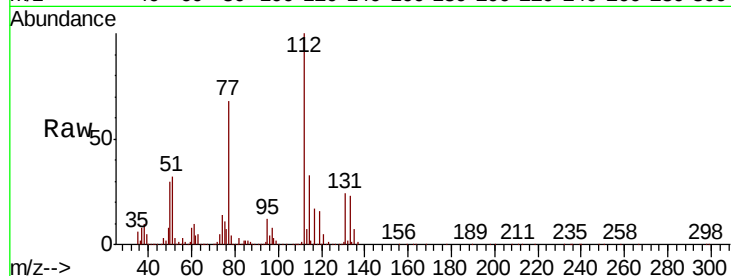
Tgt Ion:131 Resp: 1605567
Ion Ratio Lower Upper
131 100
133 94.9 76.4 114.6
119 135.5 112.8 169.2



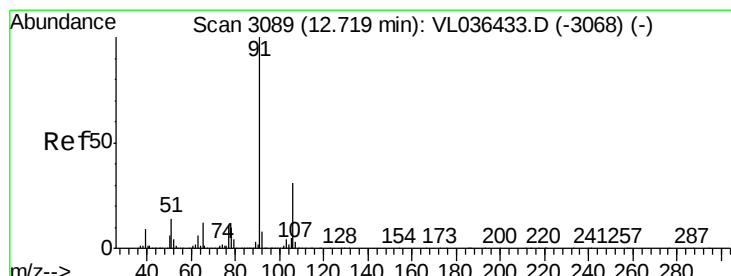
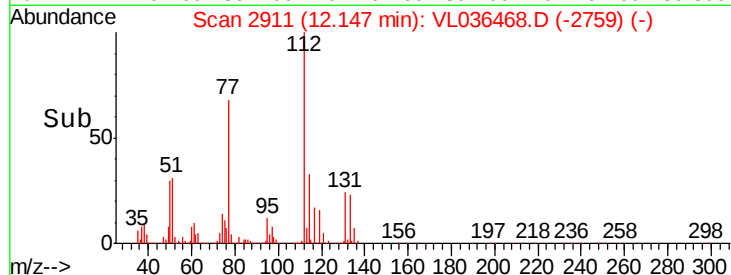
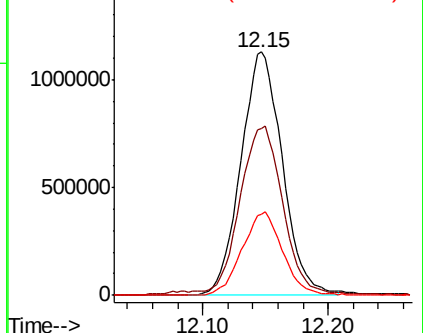


#57
Chlorobenzene
Concen: 7.812 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 16:36

Tot Ion: 112 Resp: 2590268
Ion Ratio Lower Upper
112 100
77 67.2 57.6 86.4
114 33.2 29.5 36.1

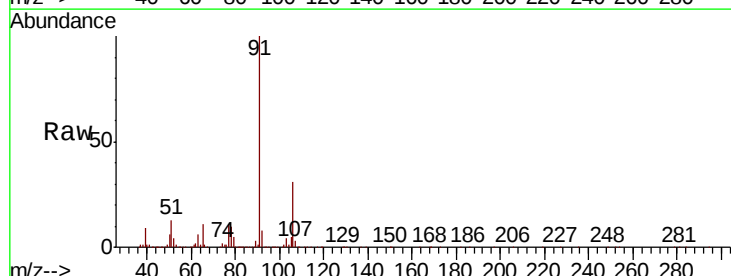


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

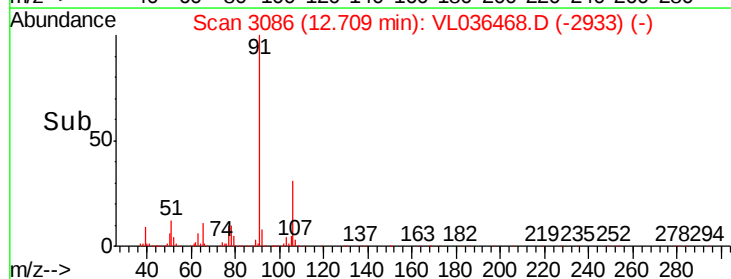
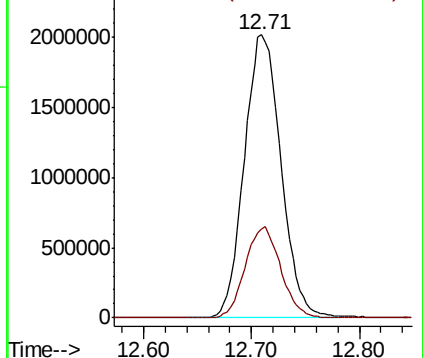


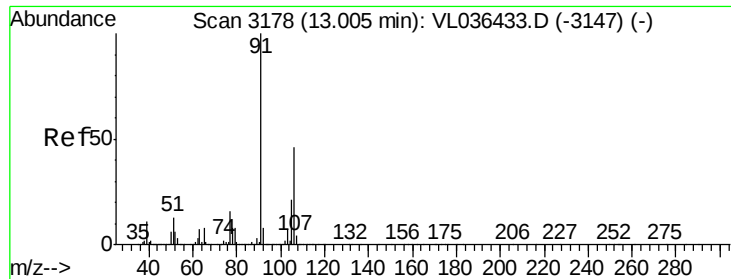
#58
Ethyl Benzene
Concen: 8.384 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

Tgt Ion: 91 Resp: 4782171
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2



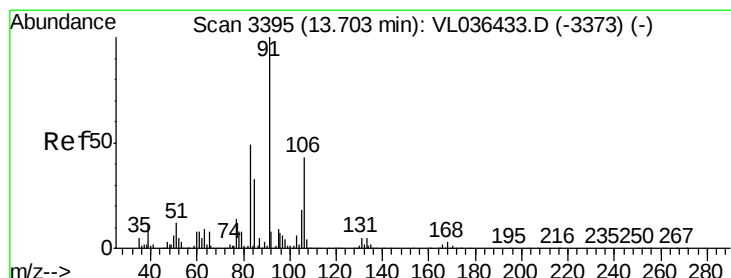
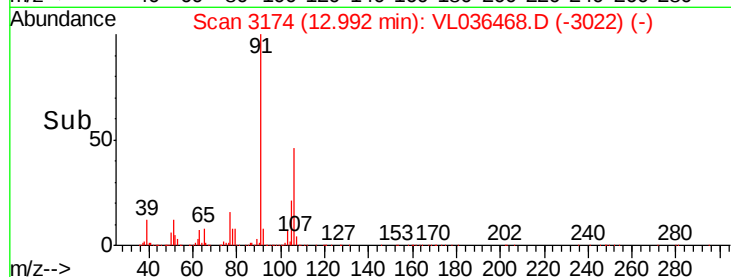
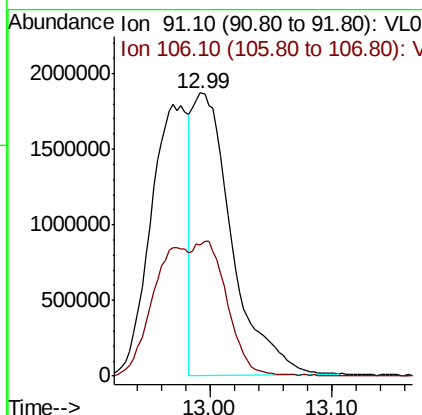
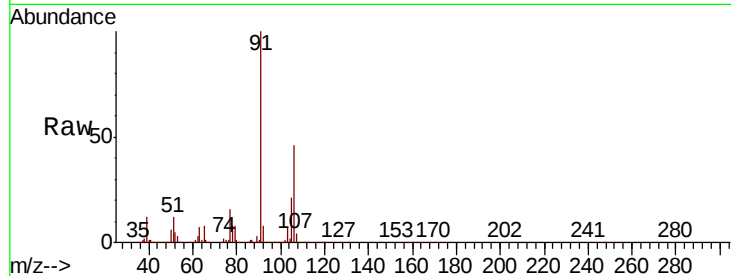
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





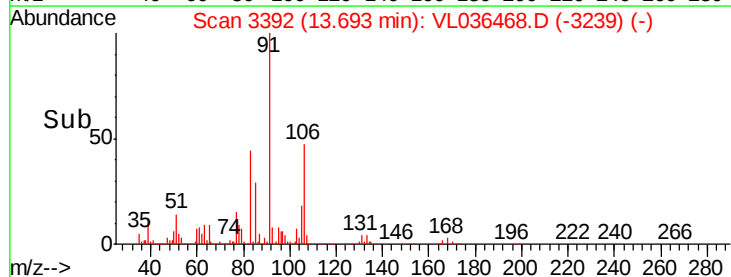
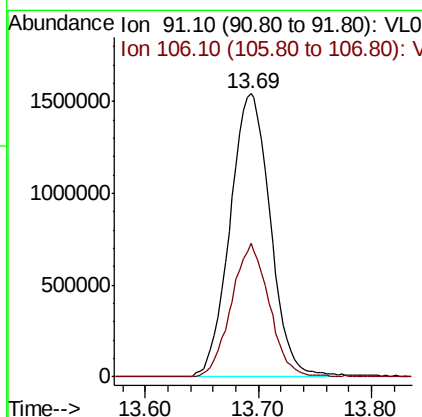
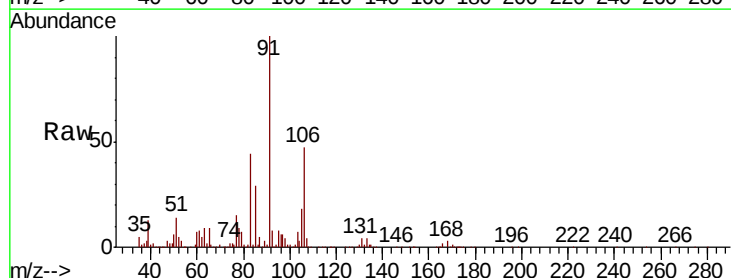
#59
m/p-Xylene
Concen: 8.254 ppbv
RT: 12.99 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 24 Mar 2021 16:36

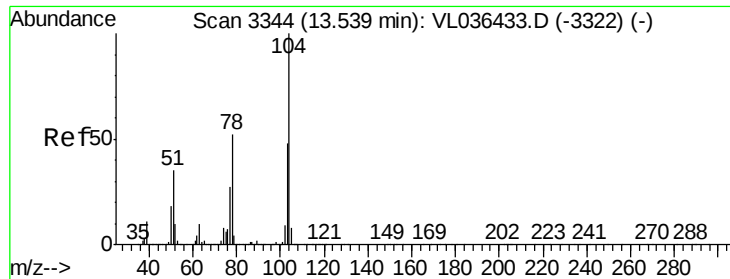
Tot Ion: 91 Resp: 4162905
Ion Ratio Lower Upper
91 100
106 85.4 35.0 52.4#



#60
o-Xylene
Concen: 7.796 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

Tgt Ion: 91 Resp: 3777412
Ion Ratio Lower Upper
91 100
106 45.2 21.9 65.8

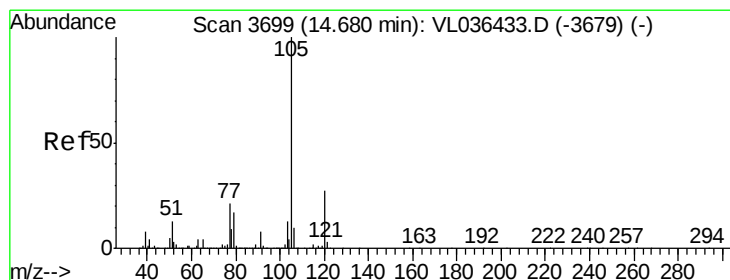
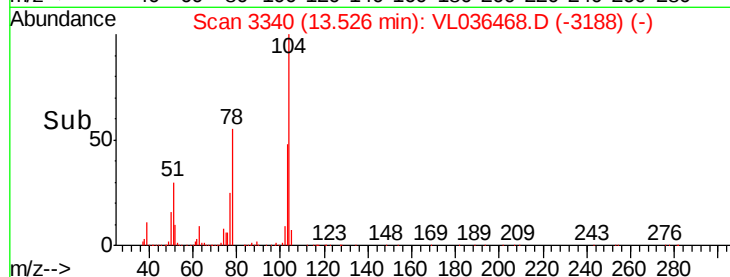
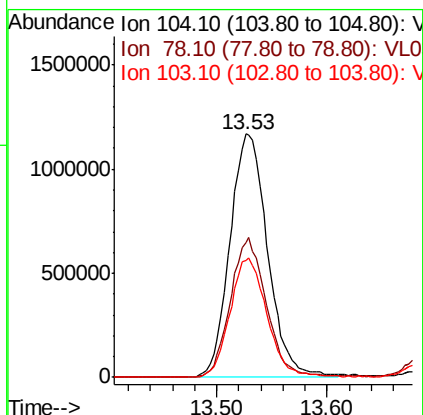
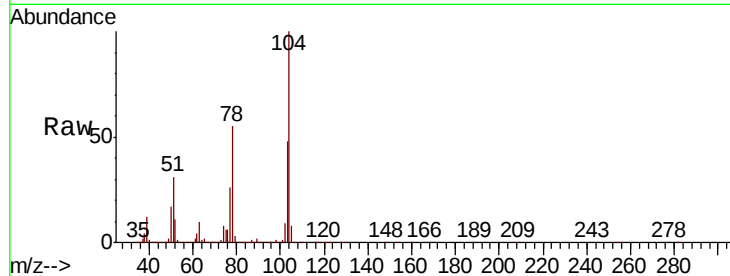




#61
Stvrene
Concen: 9.379 ppbv
RT: 13.53 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2021 16:36

Tot Ion:104 Resp: 2763356

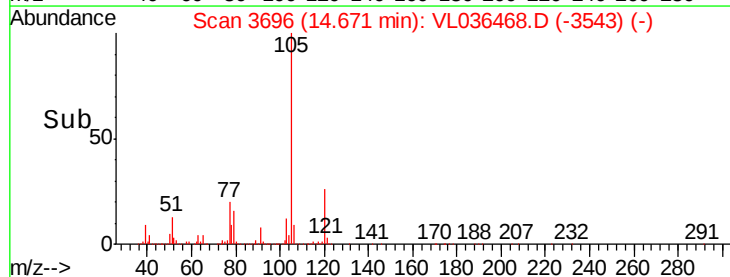
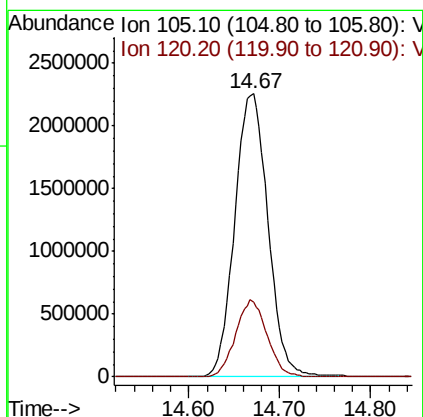
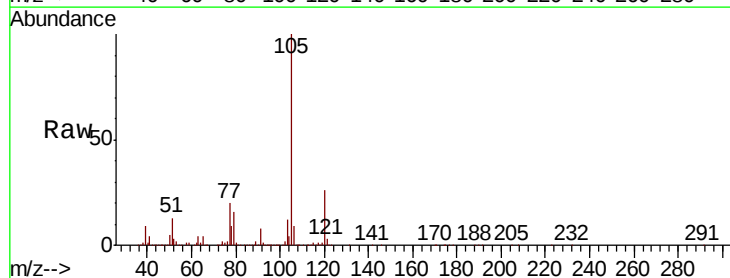
Ion	Ratio	Lower	Upper
104	100		
78	55.4	44.2	66.4
103	48.2	38.6	57.8

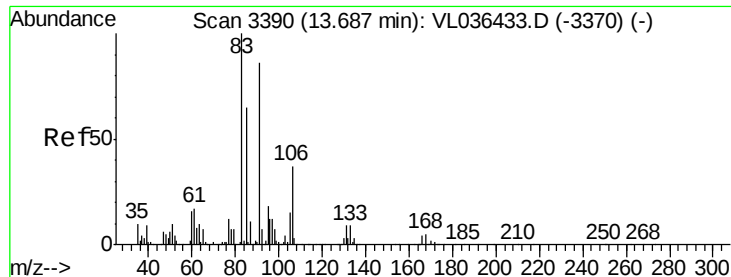


#62
Isopropylbenzene
Concen: 7.845 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

Tgt Ion:105 Resp: 5730644

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.9	31.3





#63

1,1,2,2-Tetrachloroethane

Concen: 6.963 ppbv

RT: 13.68 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2021 16:36

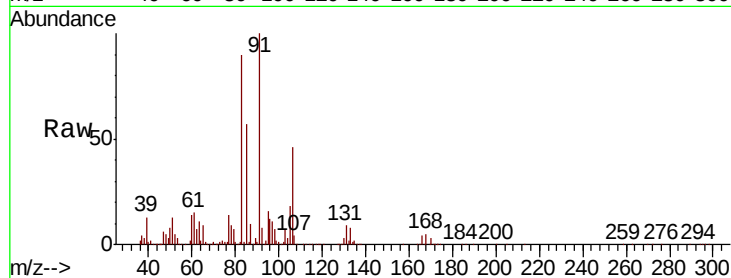
Tot Ion: 83 Resp: 2637534

Ion Ratio Lower Upper

83 100

131 9.6 4.5 13.7

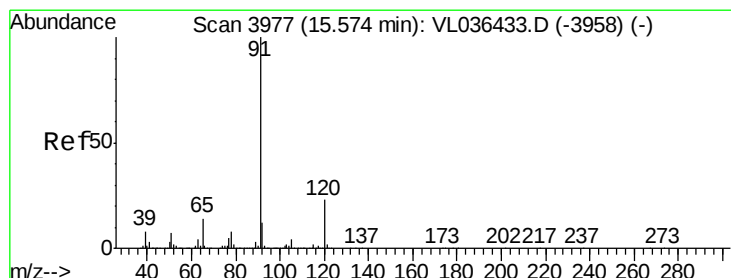
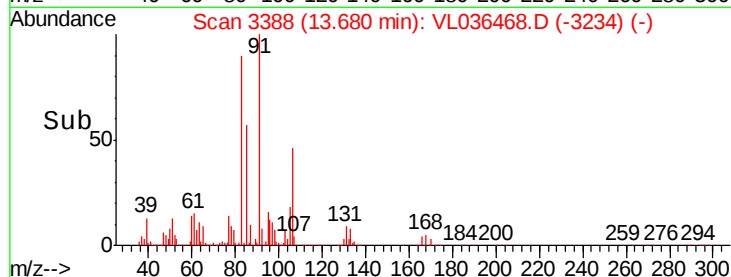
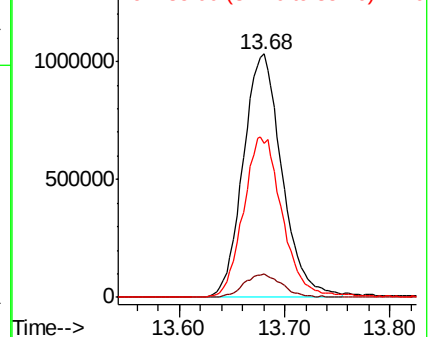
85 66.7 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.307 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL036468.D

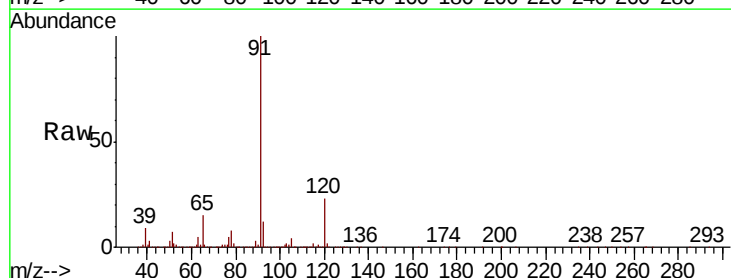
Acq: 24 Mar 2021 16:36

Tgt Ion: 120 Resp: 1515754

Ion Ratio Lower Upper

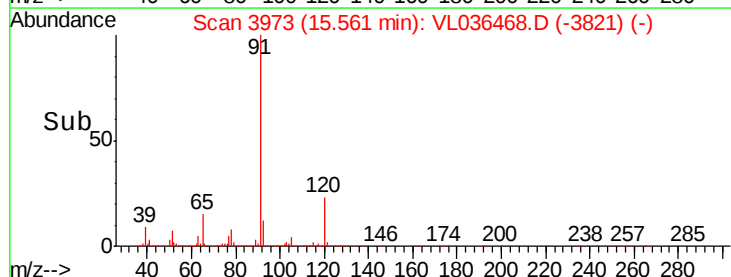
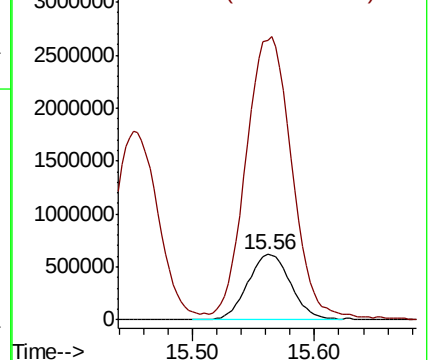
120 100

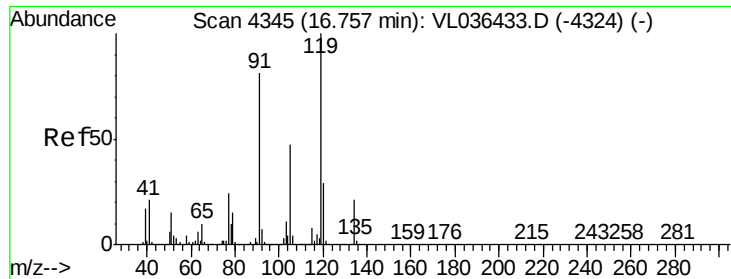
91 464.0 378.6 567.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

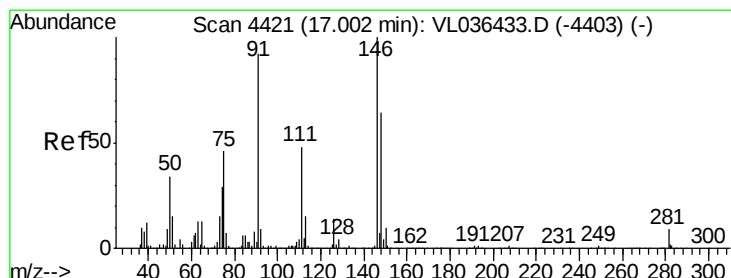
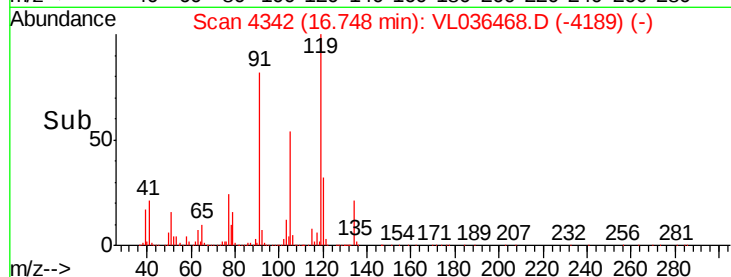
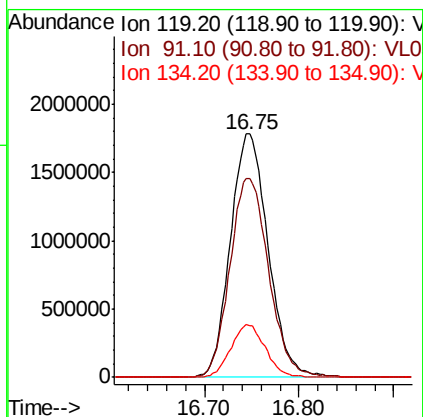
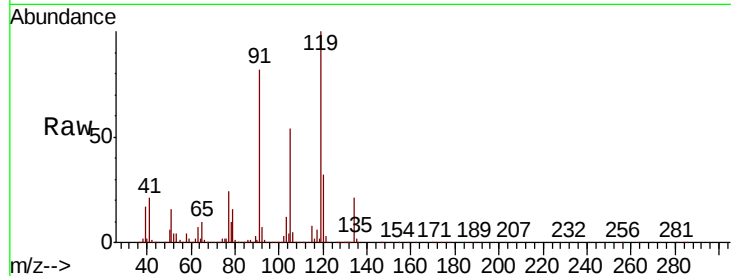
Ion 91.10 (90.80 to 91.80): VL0





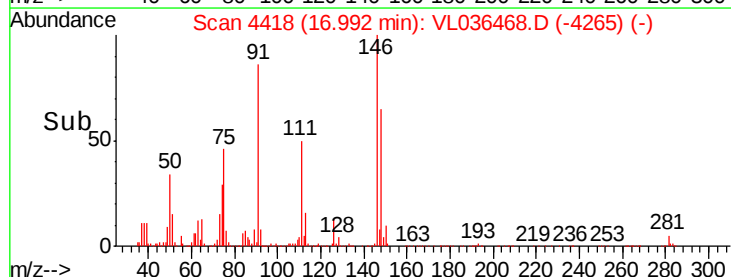
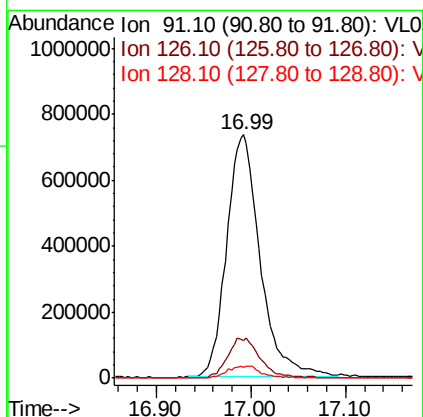
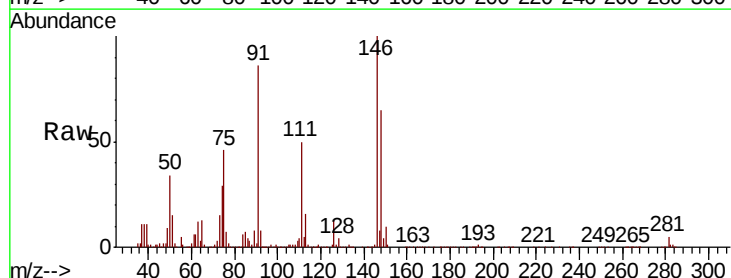
#65
tert-Butylbenzene
Concen: 7.766 ppbv
RT: 16.75 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 16:30

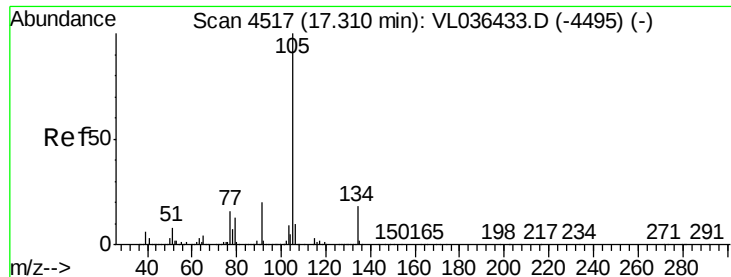
Tot Ion: 119 Resp: 4935576
Ion Ratio Lower Upper
119 100
91 84.4 67.9 101.9
134 20.1 16.0 24.0



#66
Benzyl Chloride
Concen: 10.198 ppbv
RT: 16.99 min Scan# 4418
Delta R.T.: -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

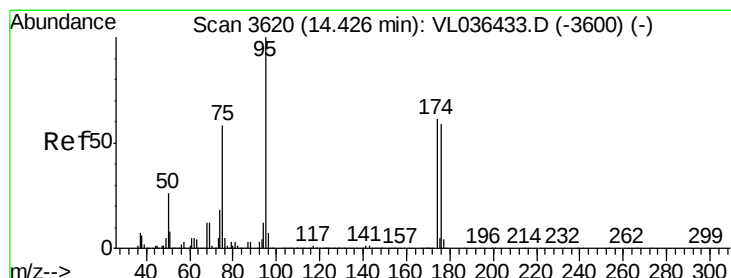
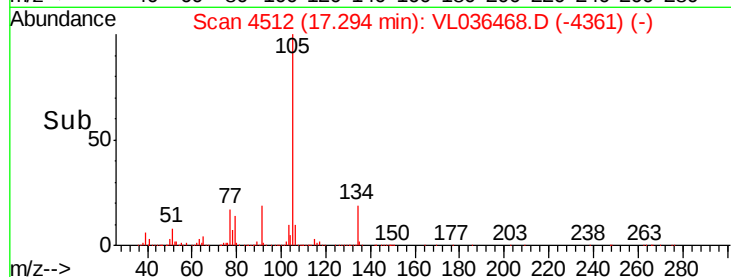
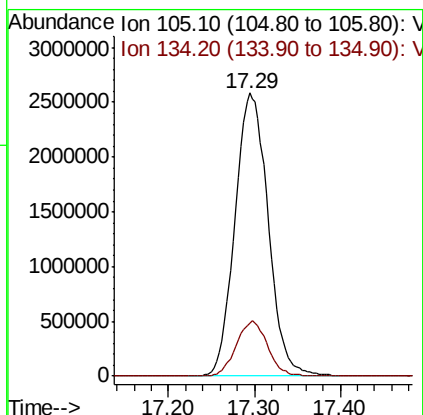
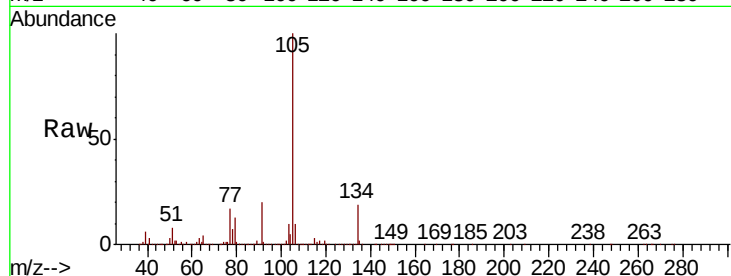
Tgt Ion: 91 Resp: 1809424
Ion Ratio Lower Upper
91 100
126 16.3 12.9 19.3
128 5.2 4.0 6.0





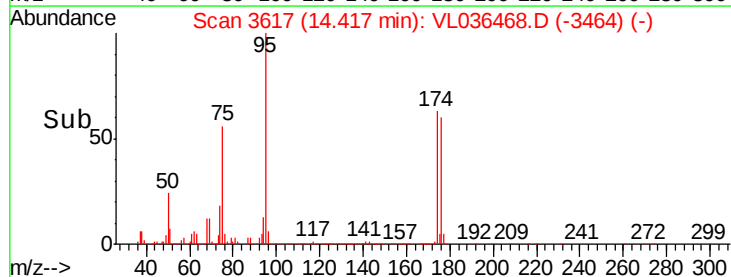
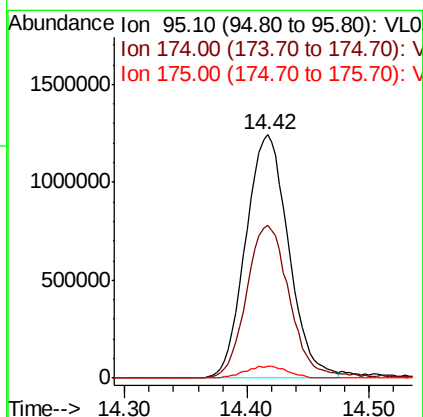
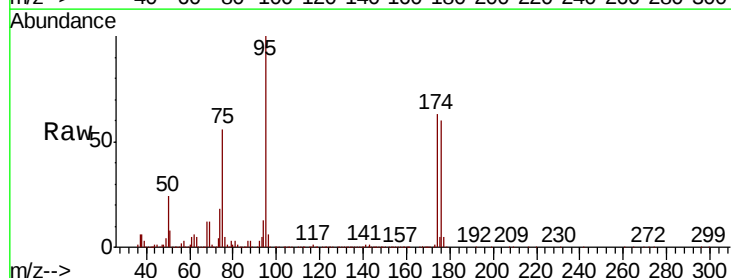
#67
 sec-Butylbenzene
 Concen: 7.789 ppbv
 RT: 17.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 16:36

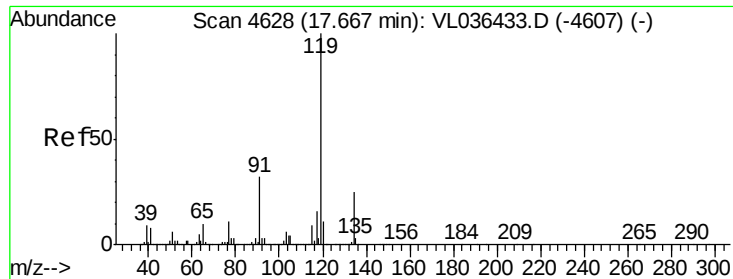
Tot Ion: 105 Resp: 6913823
 Ion Ratio Lower Upper
 105 100
 134 18.6 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.002 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

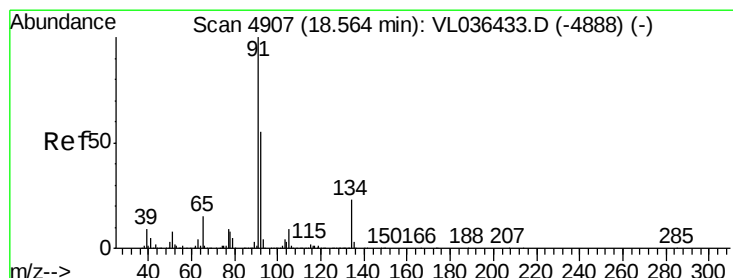
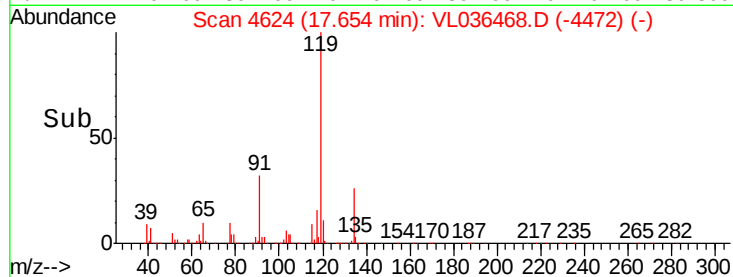
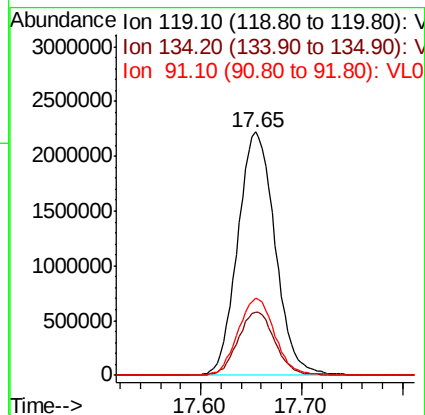
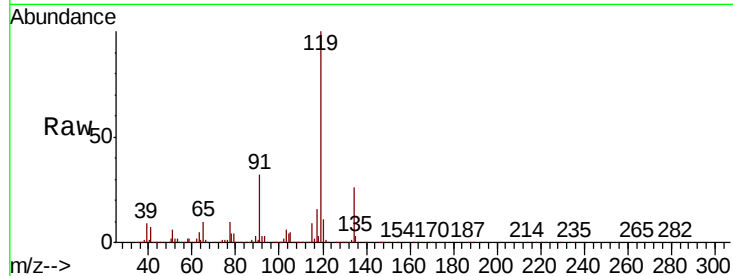
Tgt Ion: 95 Resp: 3020877
 Ion Ratio Lower Upper
 95 100
 174 64.1 51.0 76.4
 175 5.0 3.8 5.6





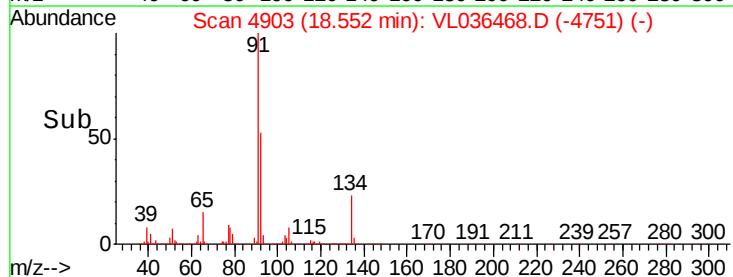
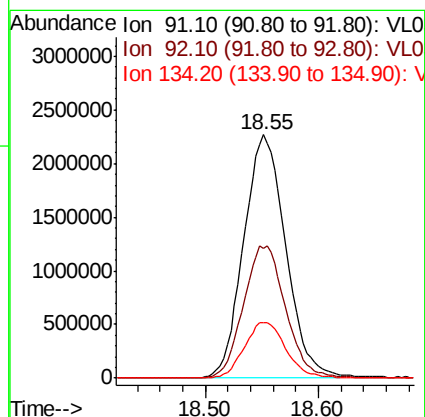
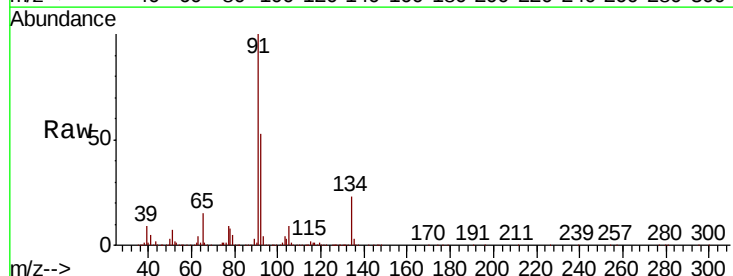
#69
 p-Isopropyltoluene
 Concen: 8.031 ppbv
 RT: 17.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2021 16:36

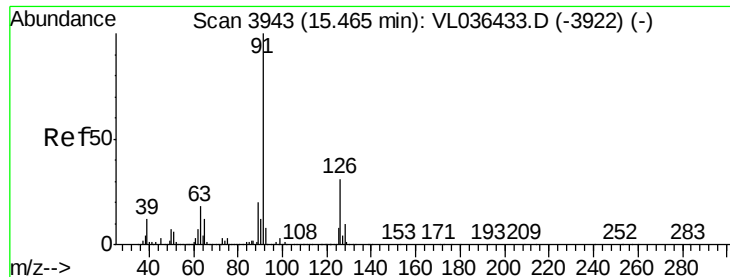
Tot Ion:	119	Resp:	5703520
Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	31.1	25.3	37.9



#70
 n-Butylbenzene
 Concen: 7.951 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

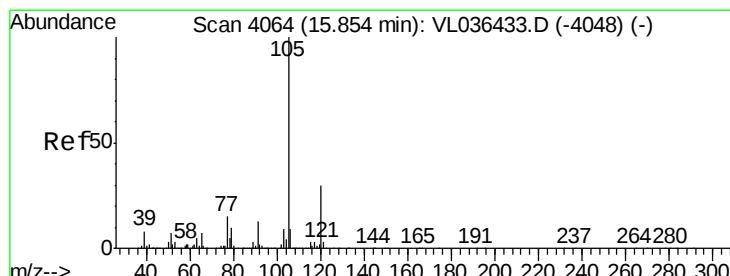
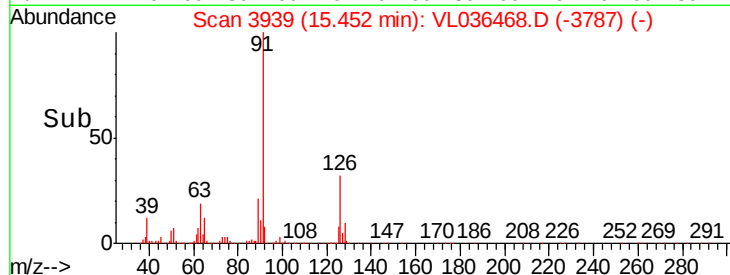
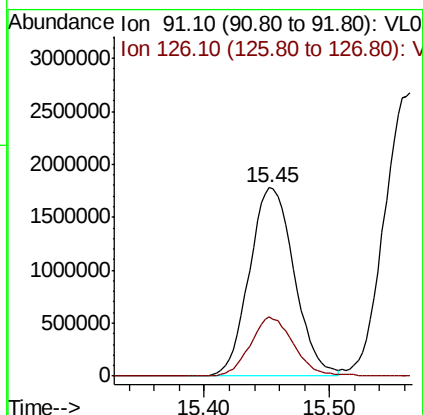
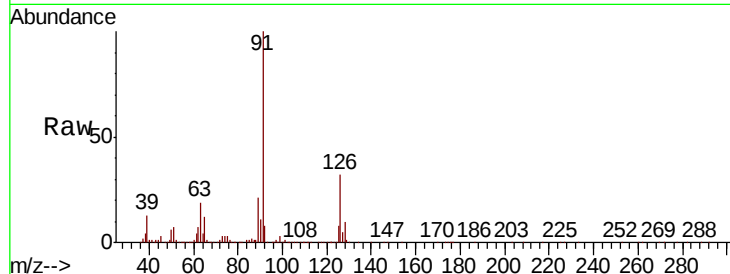
Tgt Ion:	91	Resp:	5836588
Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.1	66.1
134	22.8	17.9	26.9





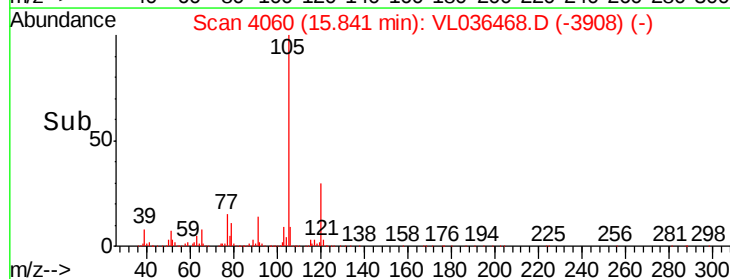
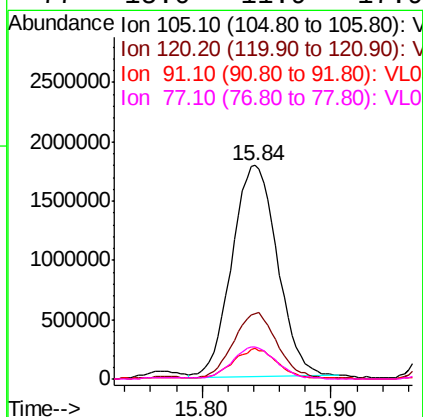
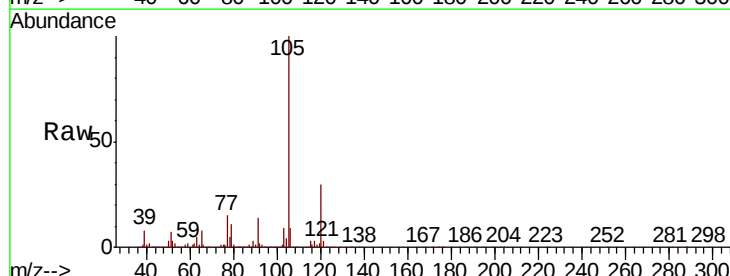
#71
 2-Chlorotoluene
 Concen: 8.060 ppbv
 RT: 15.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2021 16:36

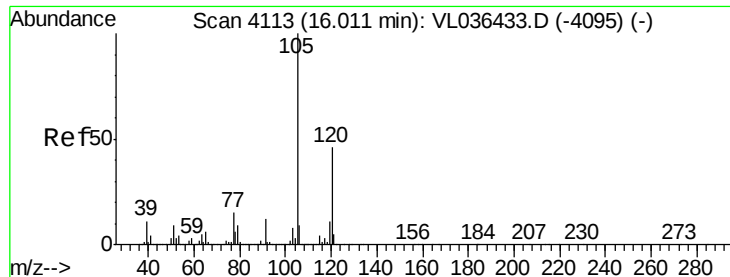
Tot Ion: 91 Resp: 4428950
 Ion Ratio Lower Upper
 91 100
 126 30.5 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 8.322 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

Tgt Ion: 105 Resp: 4379164
 Ion Ratio Lower Upper
 105 100
 120 30.8 23.8 35.6
 91 13.8 10.9 16.3
 77 15.0 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 8.149 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

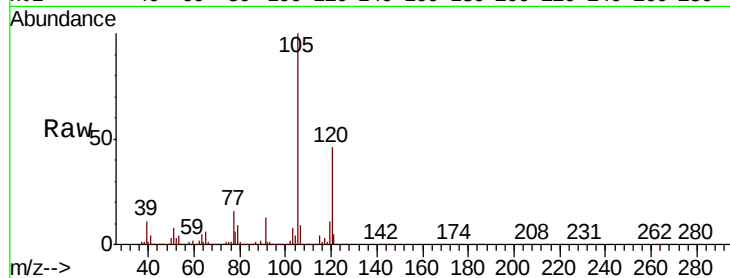
Acq: 24 Mar 2021 16:36

Tot Ion:105 Resp: 4160570

Ion Ratio Lower Upper

105 100

120 45.9 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

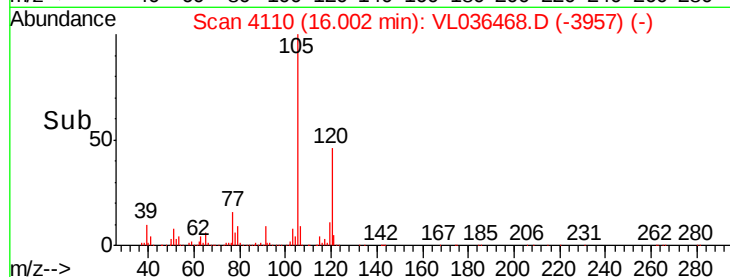
500000

0

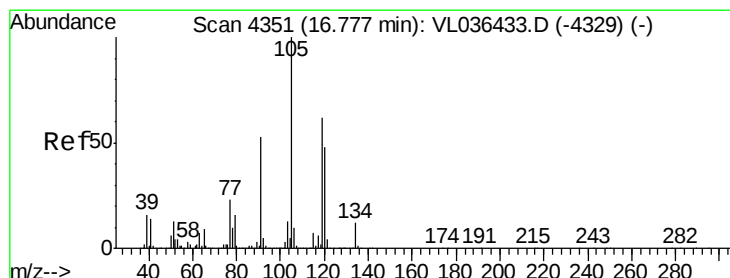
15.90

16.00

16.10



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.812 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL036468.D

Acq: 24 Mar 2021 16:36

Tgt Ion:105 Resp: 4234915

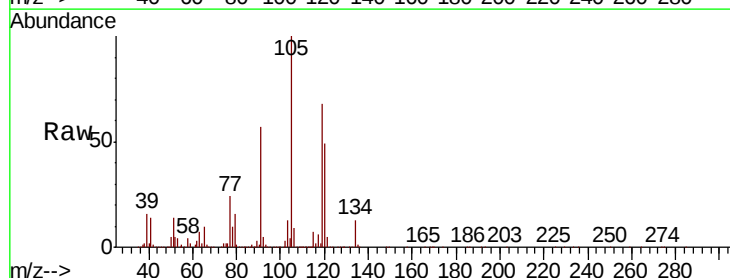
Ion Ratio Lower Upper

105 100

120 49.1 38.2 57.4

91 56.7 42.6 63.8

77 23.8 18.6 28.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

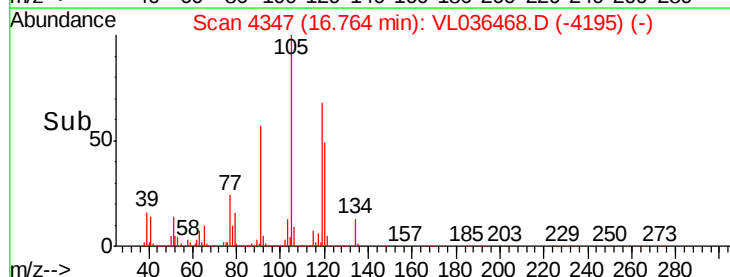
500000

0

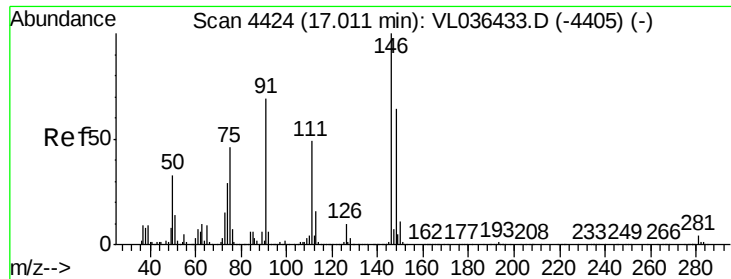
16.70

16.76

16.80



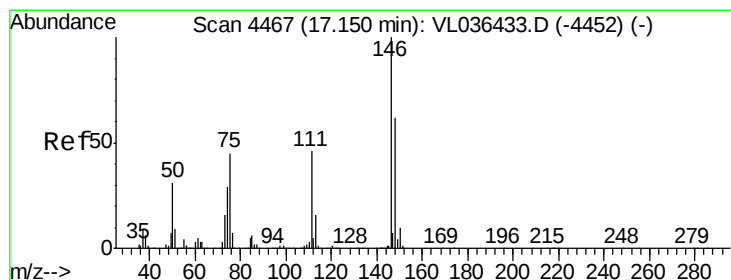
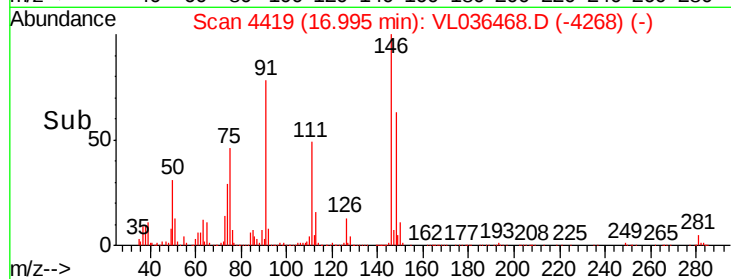
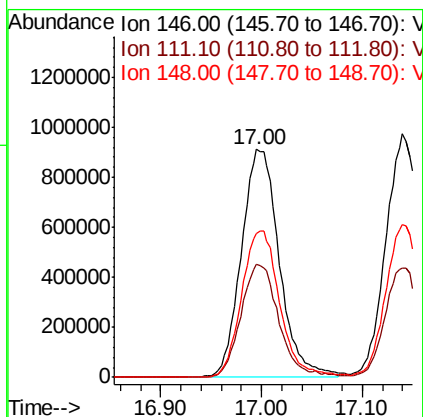
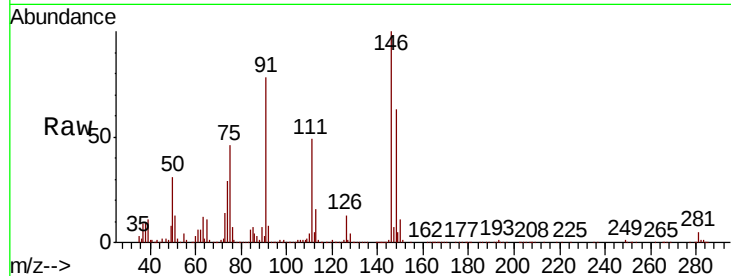
Time-->



#75
 1,3-Dichlorobenzene
 Concen: 7.893 ppbv
 RT: 17.00
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 16:36

Tot Ion:146 Resp: 2375974

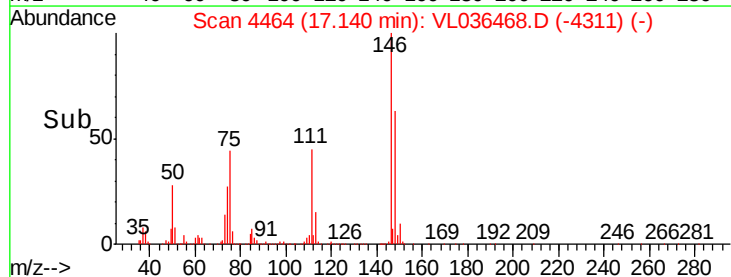
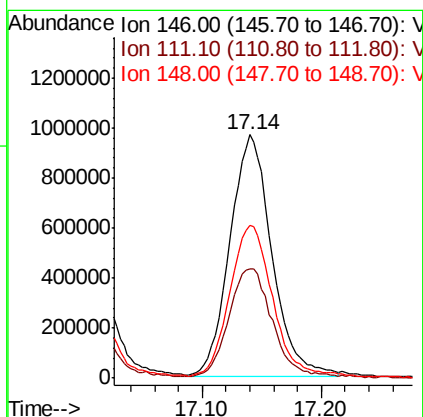
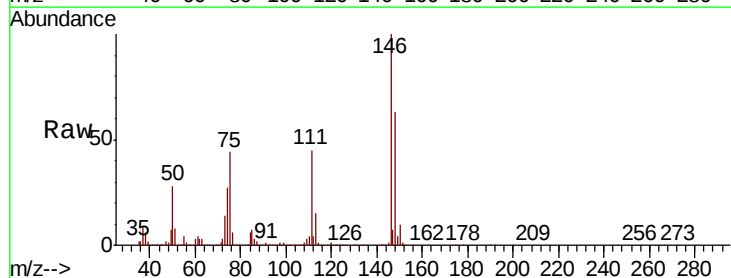
Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.5	73.5
148	64.7	32.4	97.0

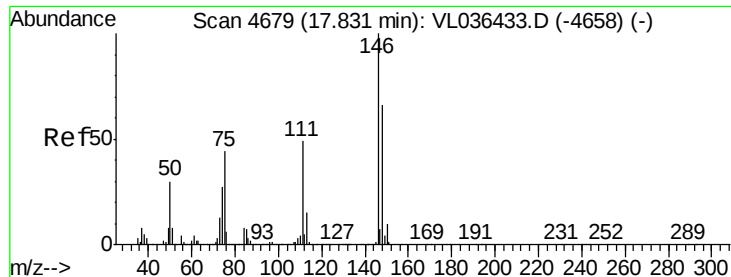


#76
 1,4-Dichlorobenzene
 Concen: 7.852 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

Tgt Ion:146 Resp: 2361907

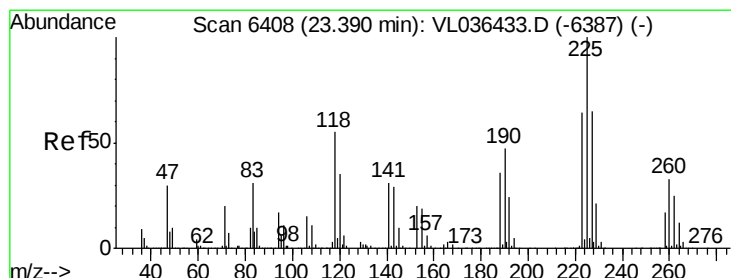
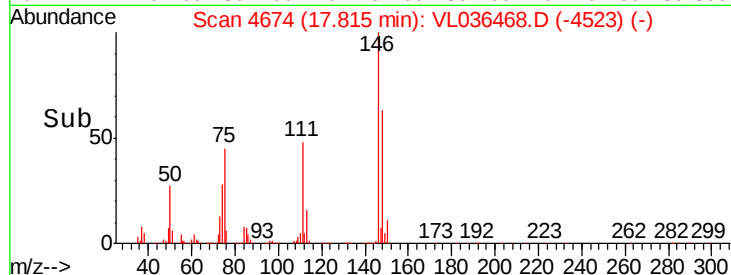
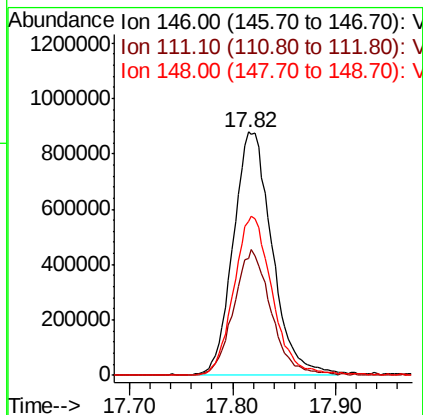
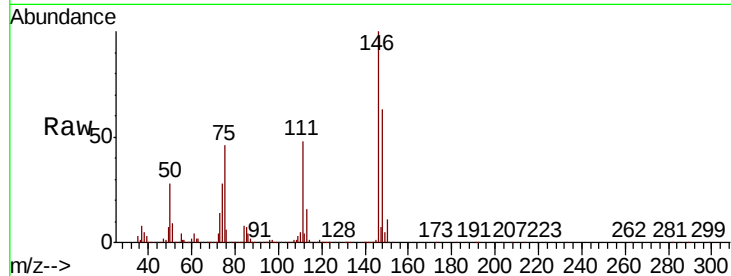
Ion	Ratio	Lower	Upper
146	100		
111	47.7	24.5	73.5
148	65.9	33.1	99.2





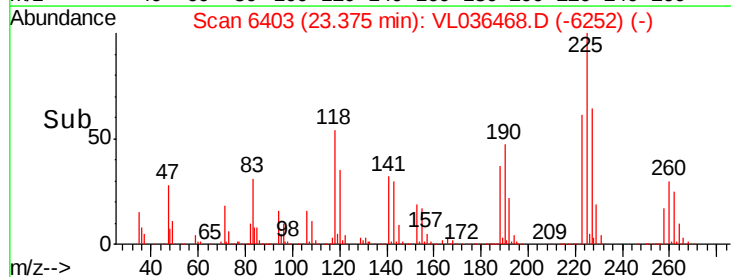
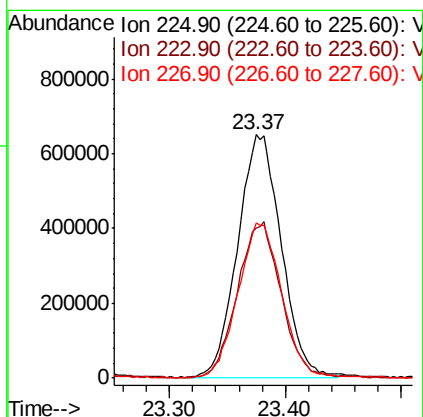
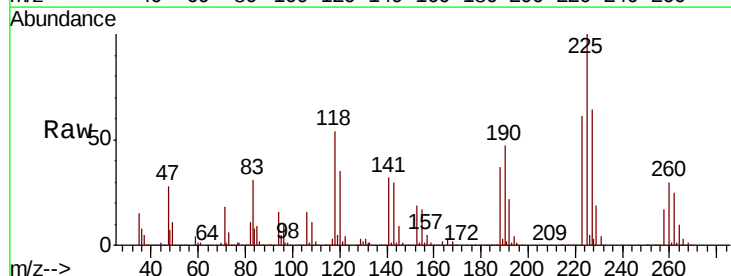
#77
 1,2-Dichlorobenzene
 Concen: 7.775 ppbv
 RT: 17.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2021 16:36

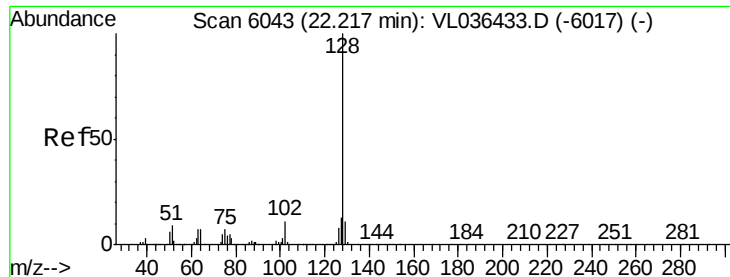
Tot Ion:146 Resp: 2291684
 Ion Ratio Lower Upper
 146 100
 111 50.2 25.4 76.2
 148 65.0 32.0 96.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.204 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. -0.02 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

Tgt Ion:225 Resp: 1689683
 Ion Ratio Lower Upper
 225 100
 223 64.7 51.8 77.8
 227 64.7 53.0 79.6





#79

Naphthalene

Concen: 9.984 ppbv

RT: 22.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 16:36

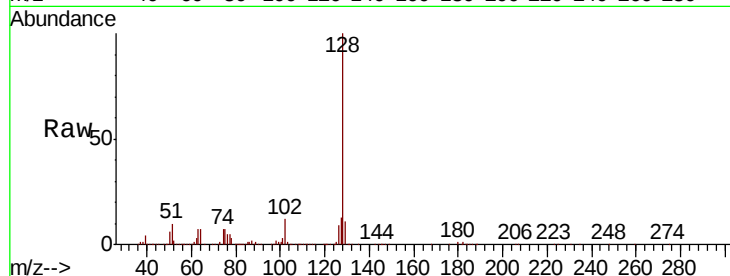
Tot Ion:128 Resp: 3170159

Ion Ratio Lower Upper

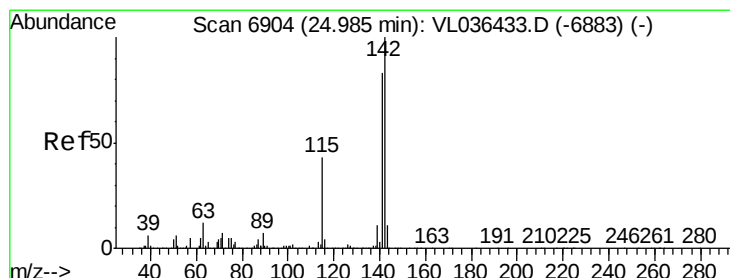
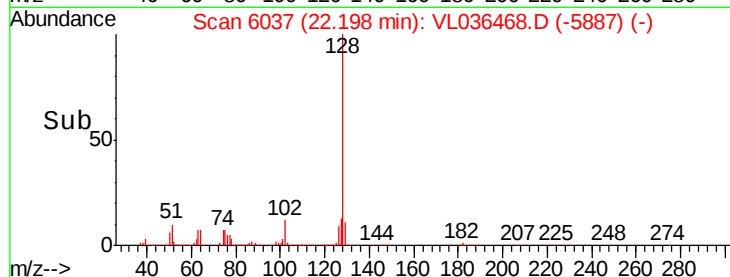
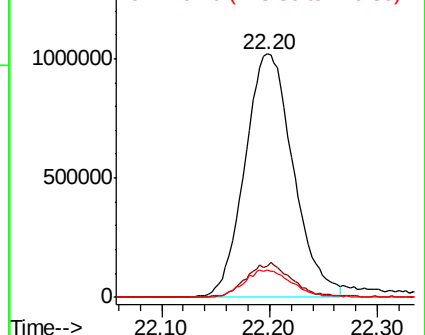
128 100

127 12.6 10.4 15.6

129 11.4 9.1 13.7



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 18.726 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. -0.02 min

Lab File: VL036468.D

Acq: 24 Mar 2021 16:36

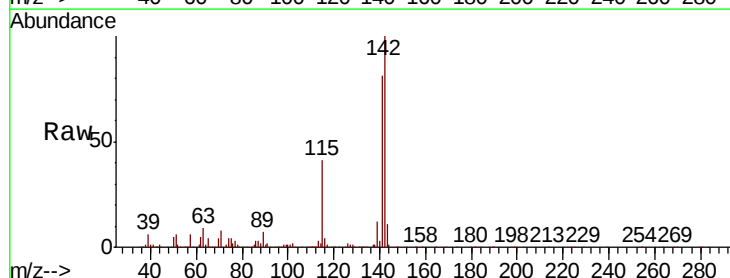
Tgt Ion:142 Resp: 1285664

Ion Ratio Lower Upper

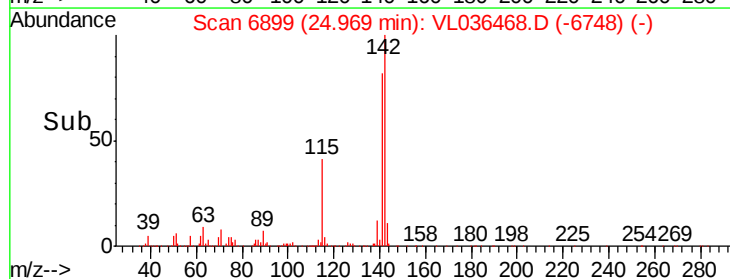
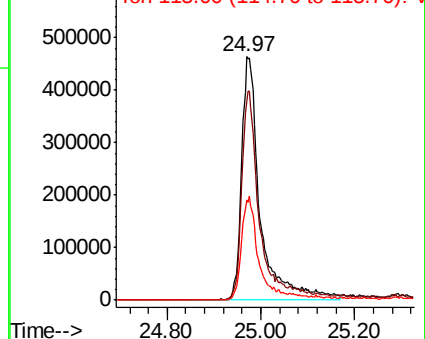
142 100

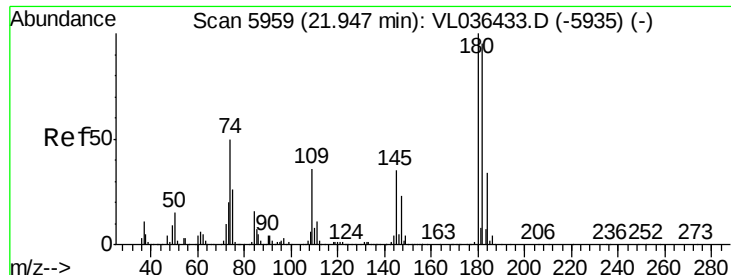
141 83.6 69.0 103.6

115 40.9 32.4 48.6



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.318 ppbv

RT: 21.93

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2021 10:30

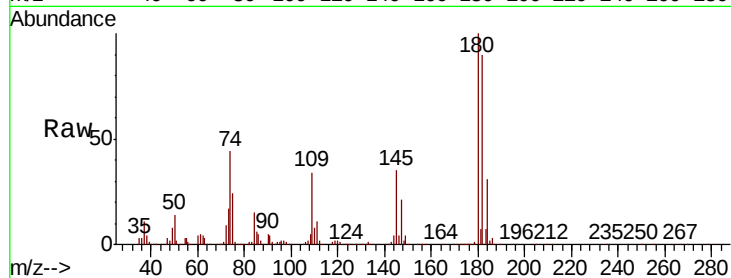
Tot Ion:180 Resp: 1700681

Ion Ratio Lower Upper

180 100

182 96.8 81.8 122.6

184 31.8 26.6 40.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

