

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

Instrument :
 MSVOA L
 ClientSampleId :

Quant Time: Mar 25 07:40:37 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	3755195m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3020877	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

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	184252m	14.524 ppbv	
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

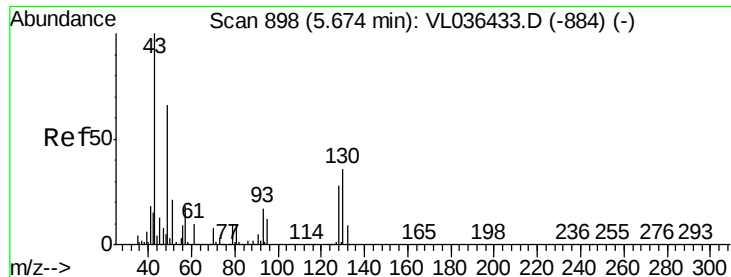
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\
 Data File : VL036468.D
 Acq On : 24 Mar 2021 16:36
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : 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	9.648	ppbv	97
57) Chlorobenzene	12.15	112	2590268	9.550	ppbv	96
58) Ethyl Benzene	12.71	91	4782171	10.249	ppbv	100
59) m/p-Xylene	12.99	91	8080340m	19.587	ppbv	
60) o-Xylene	13.69	91	3777412	9.531	ppbv	98
61) Styrene	13.53	104	2763356	11.466	ppbv	100
62) Isopropylbenzene	14.67	105	5730644	9.590	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2637534	8.512	ppbv	99
64) n-propylbenzene	15.56	120	1515754	10.155	ppbv	97
65) tert-Butylbenzene	16.75	119	4935576	9.494	ppbv	100
66) Benzyl Chloride	16.99	91	1809424	12.467	ppbv	99
67) sec-Butylbenzene	17.29	105	6913823	9.523	ppbv	100
69) p-Isopropyltoluene	17.65	119	5703520	9.818	ppbv	99
70) n-Butylbenzene	18.55	91	5836588	9.720	ppbv	99
71) 2-Chlorotoluene	15.45	91	4428950	9.853	ppbv	99
72) 4-Ethyltoluene	15.84	105	4379164	10.174	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4160570	9.963	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4234915	9.551	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2375974	9.649	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2361907	9.599	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2291684	9.506	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1689683	8.807	ppbv	99
79) Naphthalene	22.20	128	3170159	12.206	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1285664	22.894	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	1700681	11.392	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

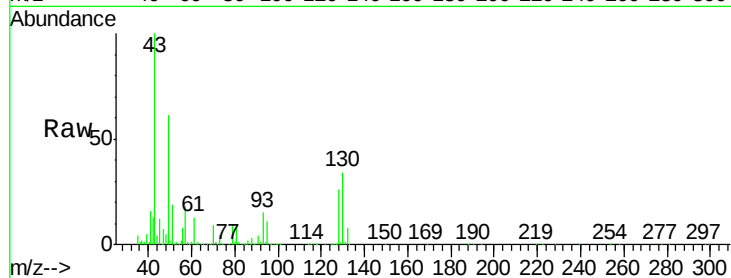
Tot Ion: 49 Resp: 1604151

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



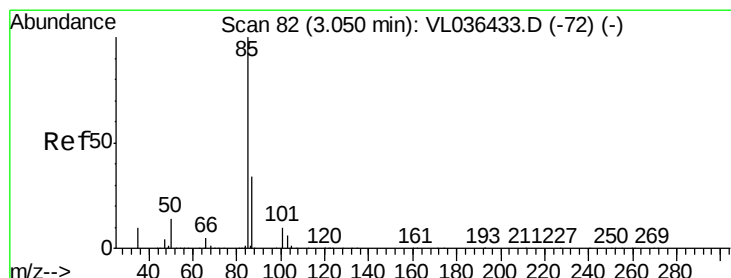
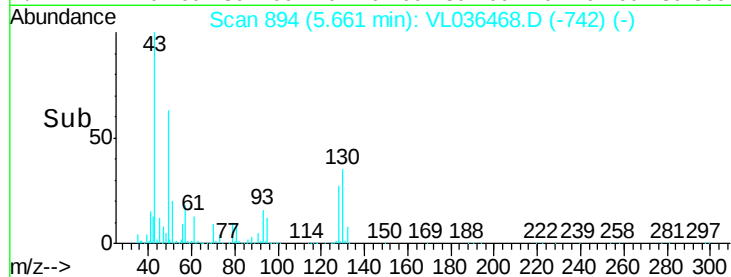
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 7.589 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036468.D

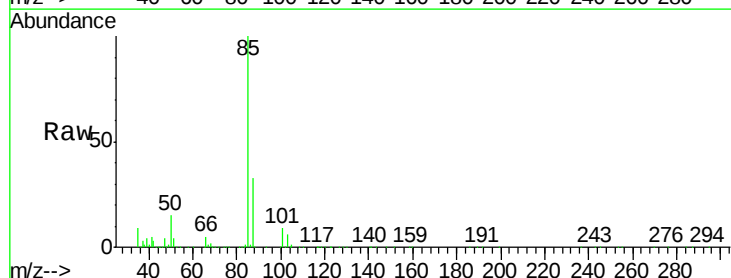
Acq: 24 Mar 2021 16:36

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

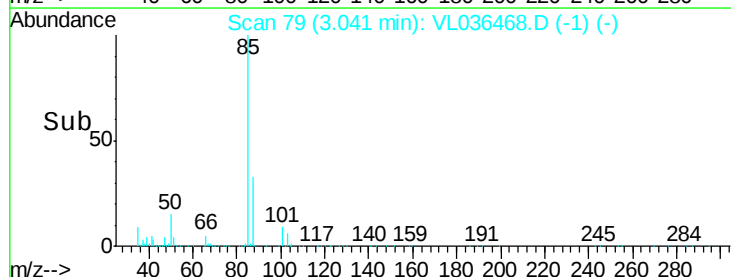


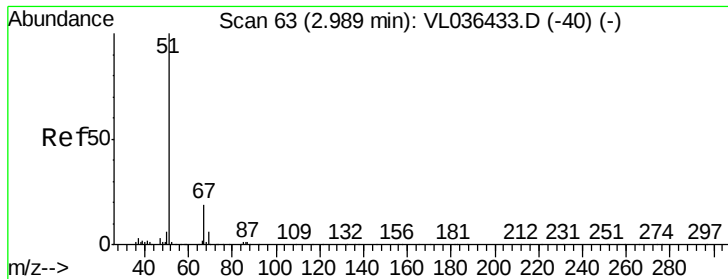
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->





#3

Chlorodifluoromethane

Concen: 9.659 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

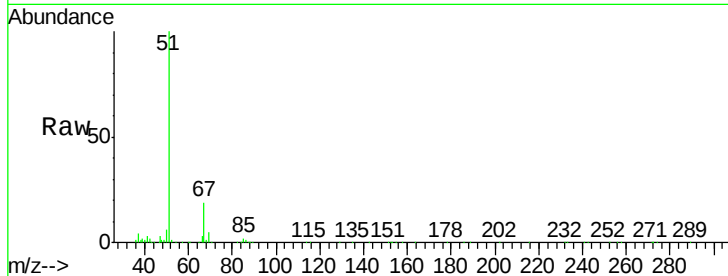
Acq: 24 Mar 2021 16:36

Tot Ion: 51 Resp: 1832563

Ion Ratio Lower Upper

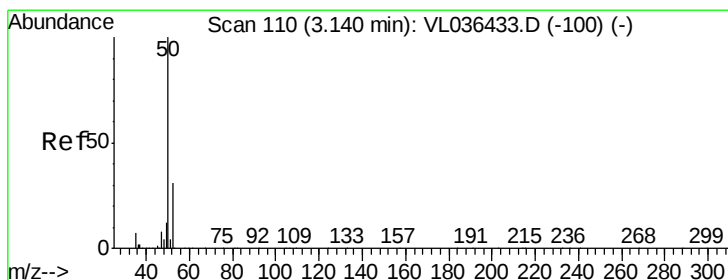
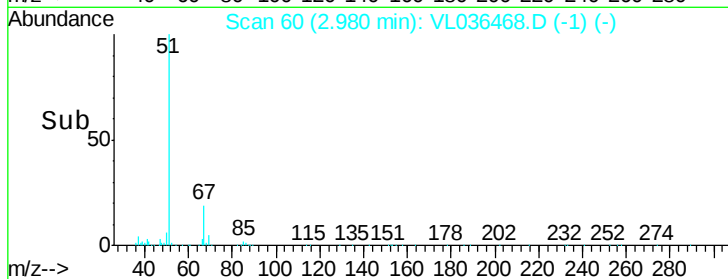
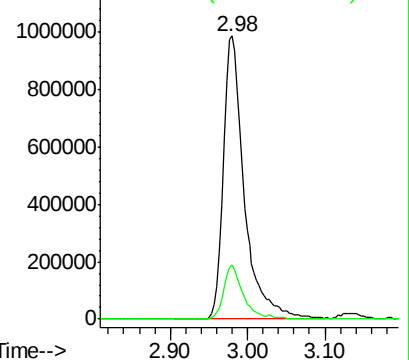
51 100

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

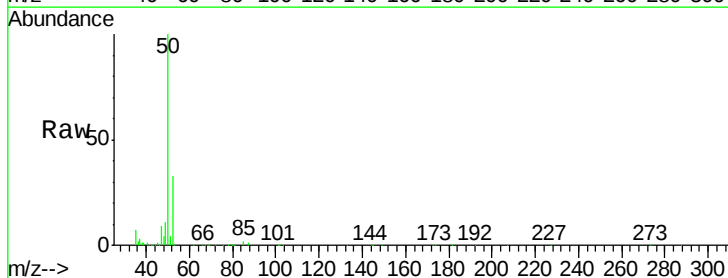
Acq: 24 Mar 2021 16:36

Tgt Ion: 50 Resp: 885666

Ion Ratio Lower Upper

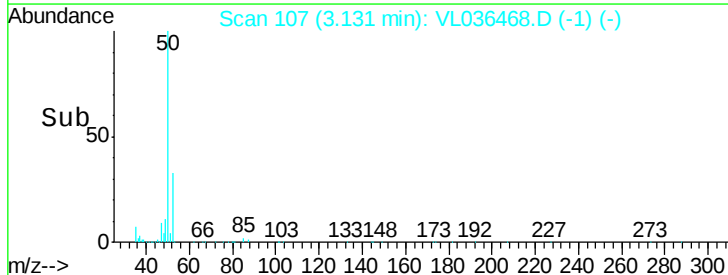
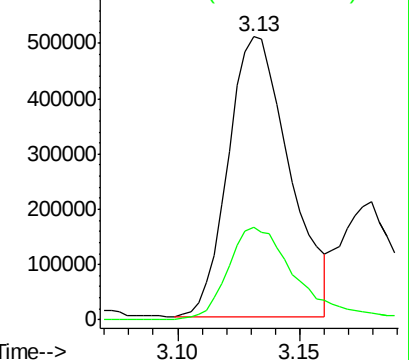
50 100

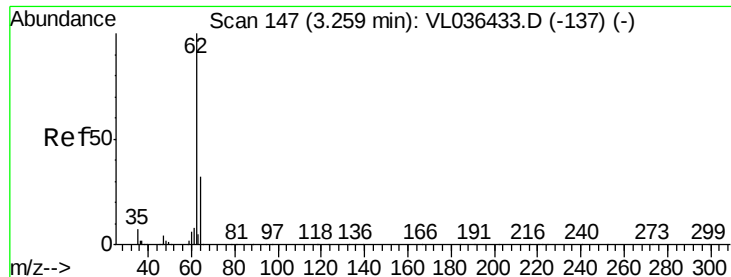
52 33.2 24.6 36.8



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:

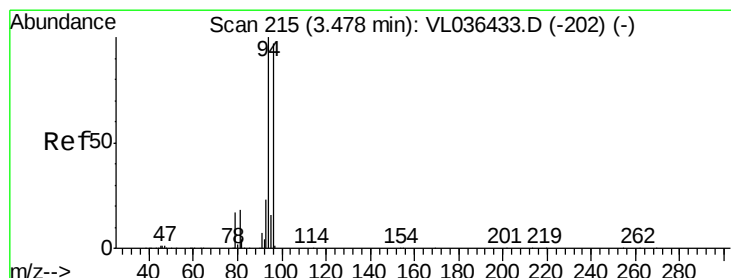
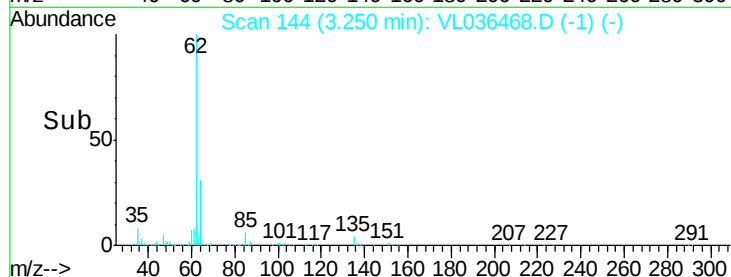
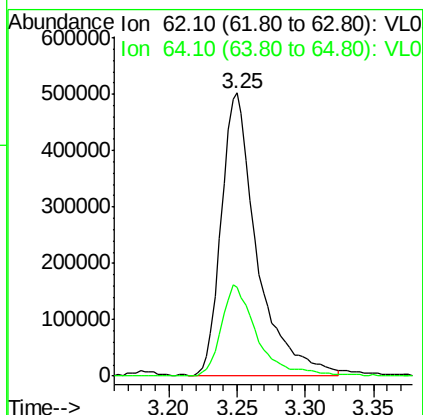
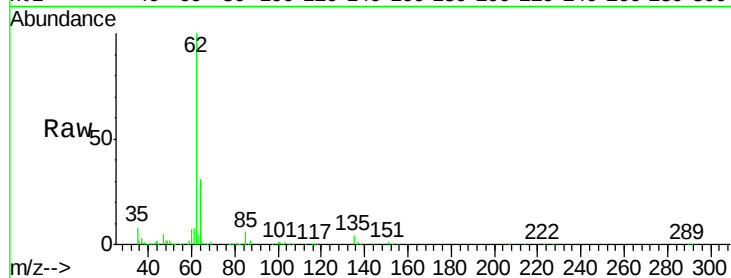
Acq: 24 Mar 2021 16:36

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

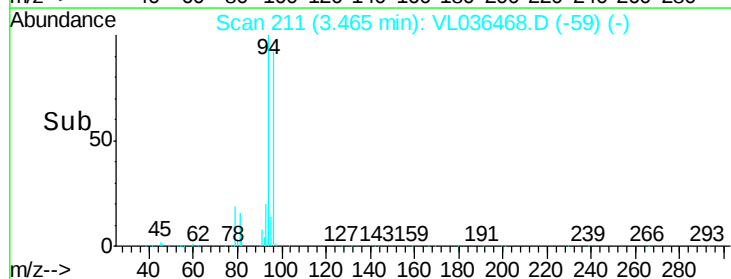
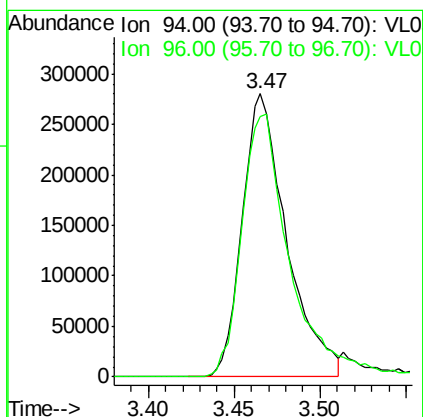
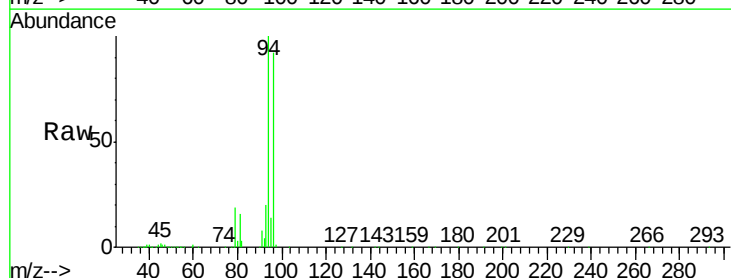
Acq: 24 Mar 2021 16:36

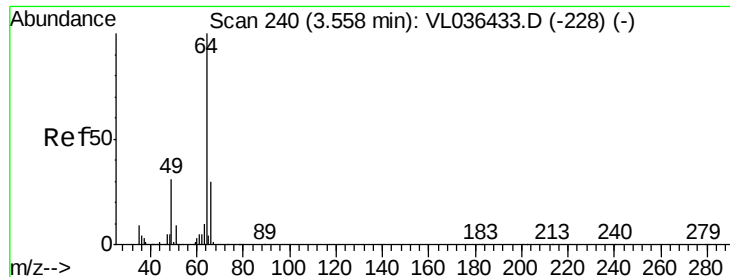
Tgt Ion: 94 Resp: 503540

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:

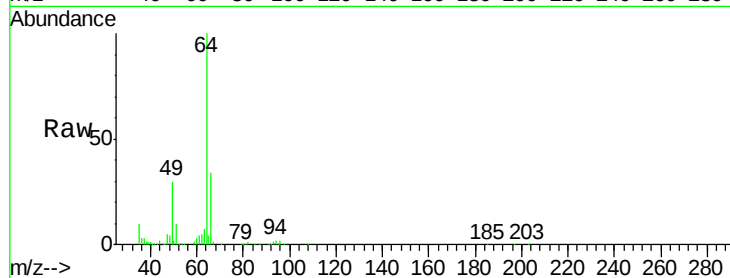
Acq: 24 Mar 2021 16:36

Tot Ion: 64 Resp: 323519

Ion Ratio Lower Upper

64 100

66 34.1 24.3 36.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

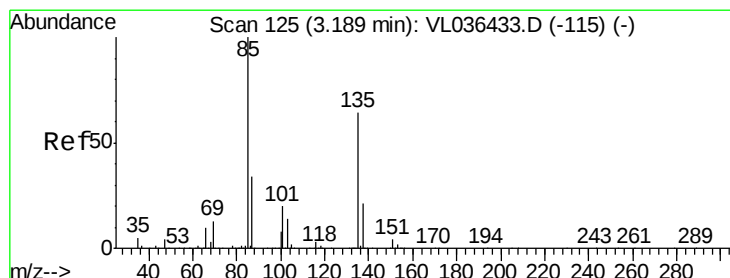
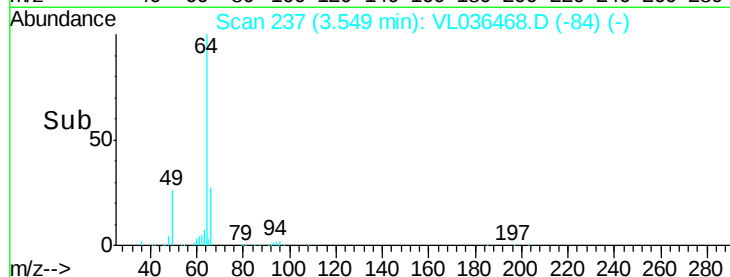
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.058 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036468.D

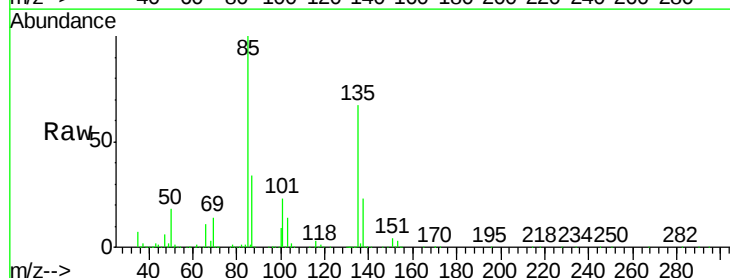
Acq: 24 Mar 2021 16:36

Tgt Ion: 85 Resp: 1972707

Ion Ratio Lower Upper

85 100

135 71.1 52.8 79.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

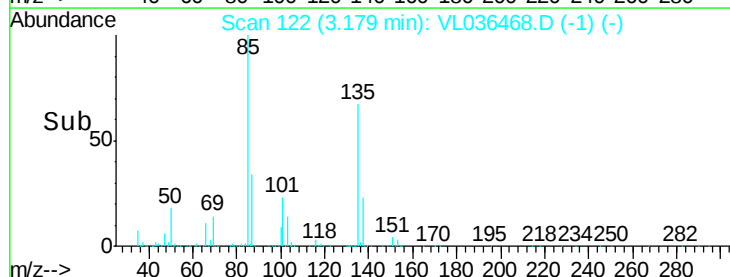
3.18

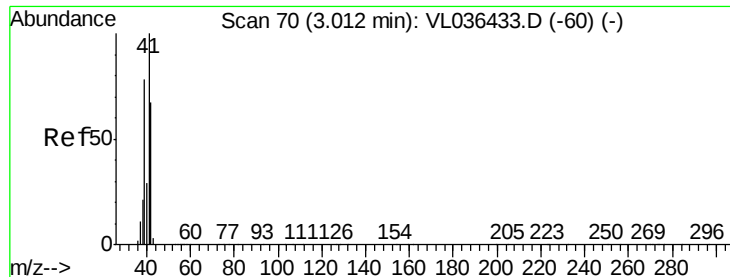
1000000

500000

0

Time-->





#9

Propene

Concen: 10.626 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

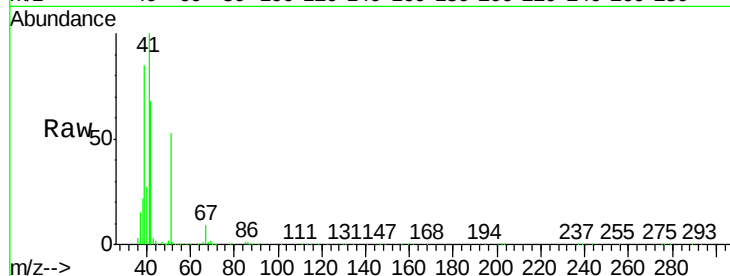
Acq: 24 Mar 2021 16:36

Tot Ion: 41 Resp: 878510

Ion Ratio Lower Upper

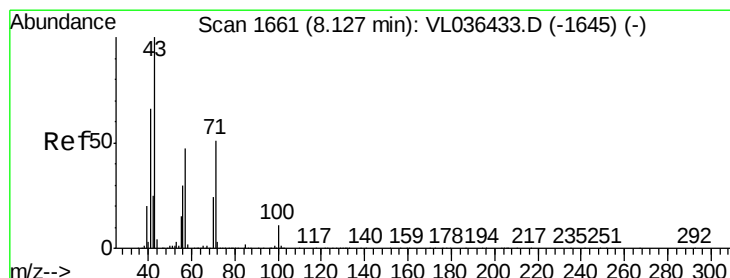
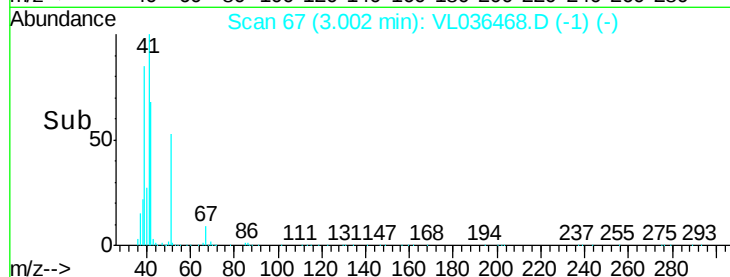
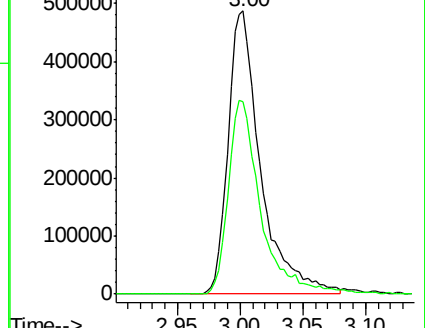
41 100

42 68.7 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.695 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL036468.D

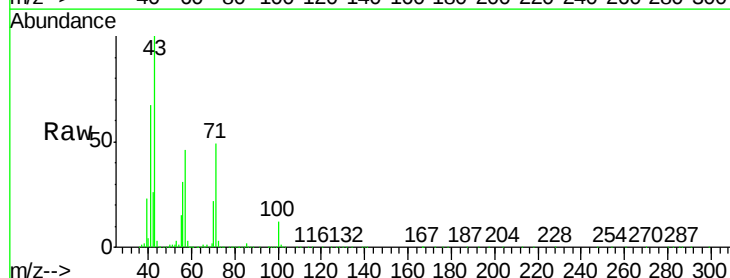
Acq: 24 Mar 2021 16:36

Tgt Ion: 43 Resp: 2180014

Ion Ratio Lower Upper

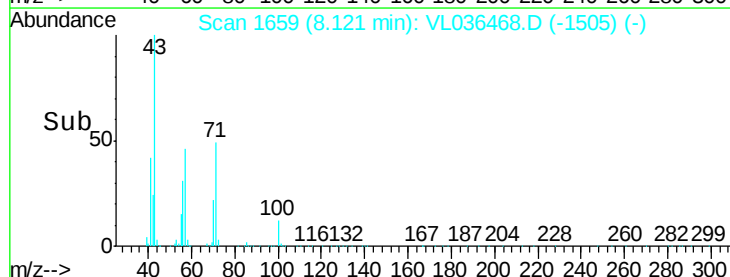
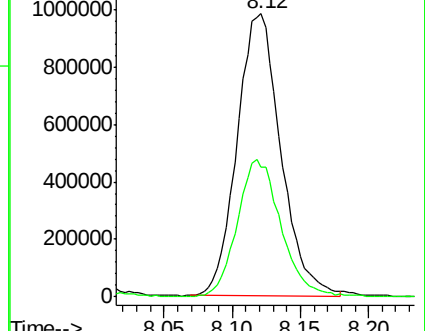
43 100

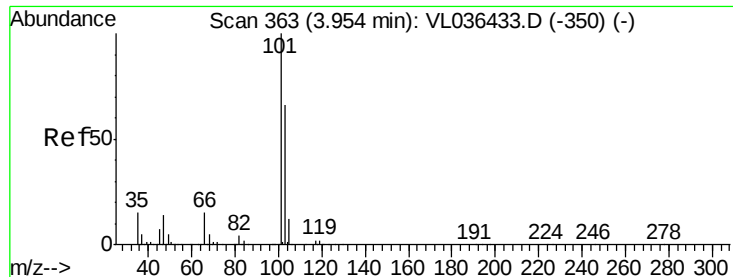
57 48.9 39.1 58.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

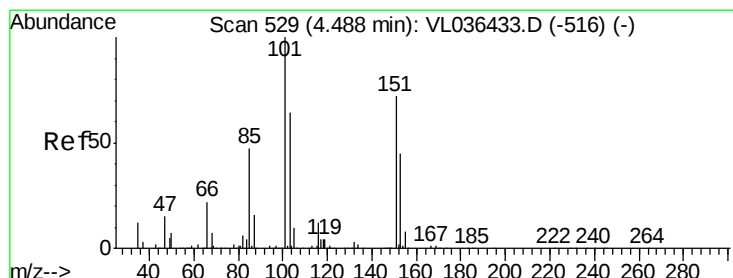
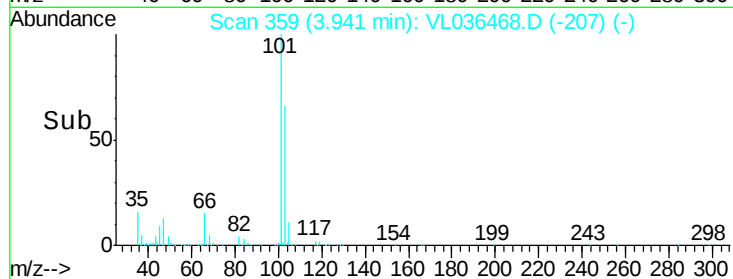
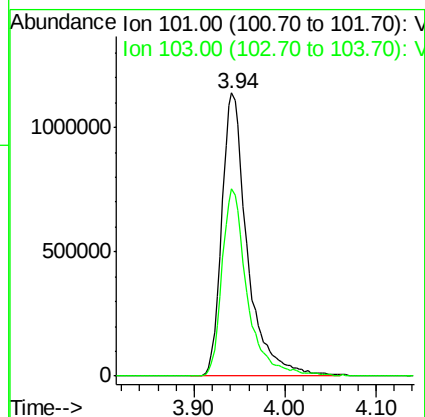
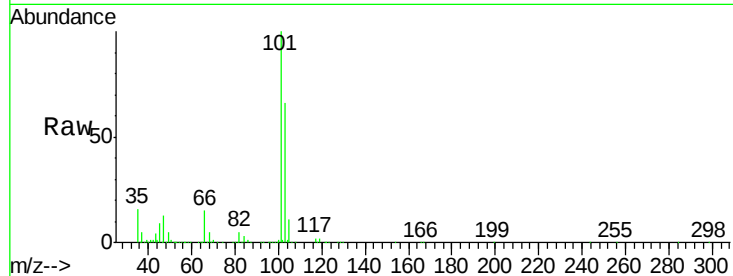
Ion 57.10 (56.80 to 57.80): VL0





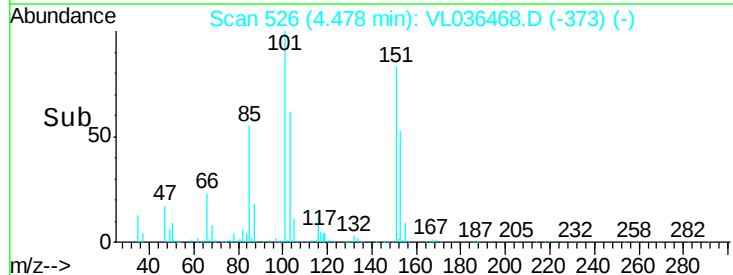
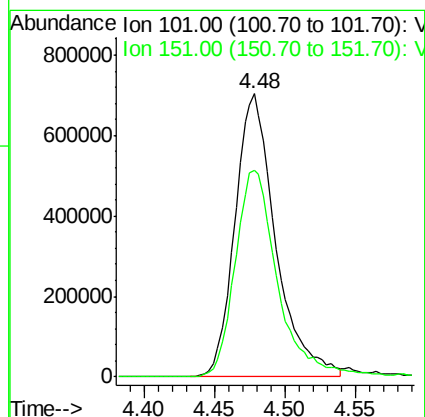
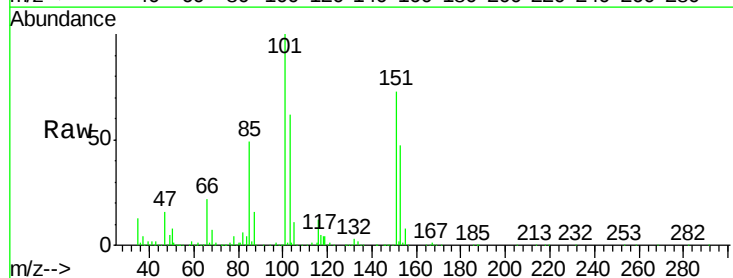
#11
 Trichlorofluoromethane
 Concen: 9.752 ppbv
 RT: 3.94 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2021 16:36

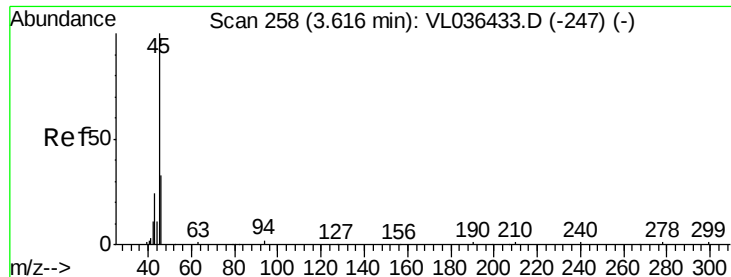
Tot Ion:101 Resp: 2232675
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.4 78.6



#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: 14.524 ppbv m

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

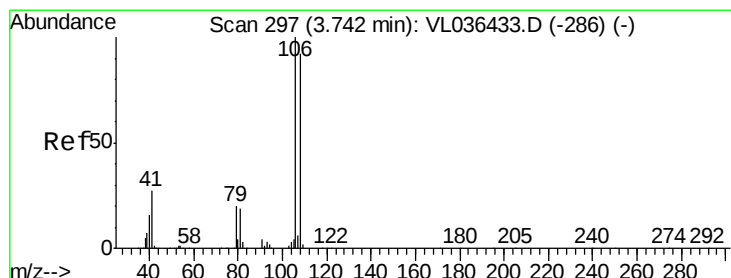
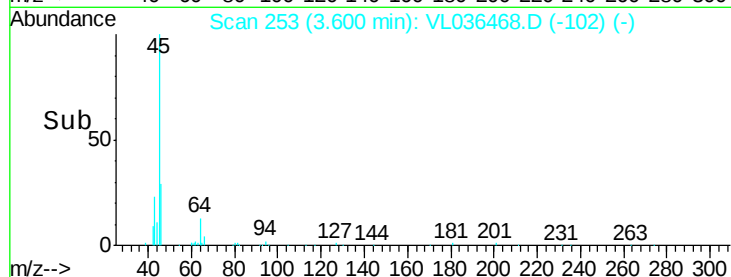
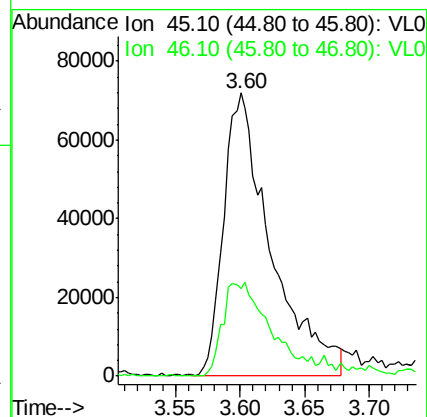
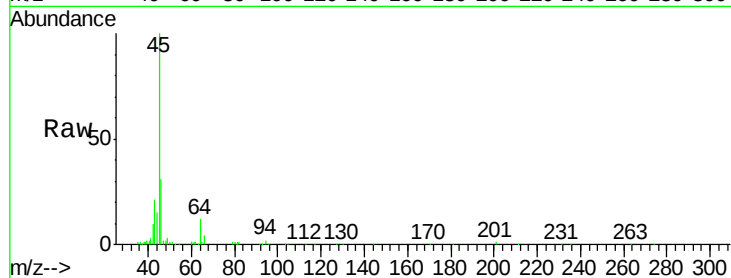
Acq: 24 Mar 2021 16:36

Tot Ion: 45 Resp: 184252

Ion Ratio Lower Upper

45 100

46 37.6 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

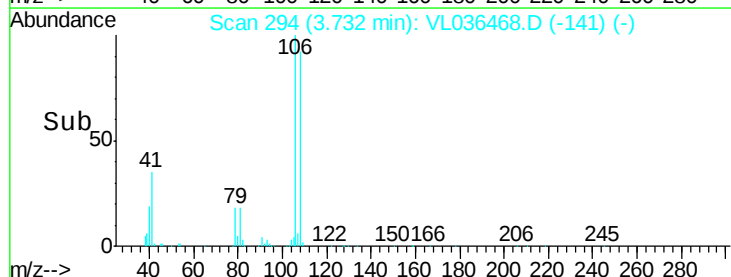
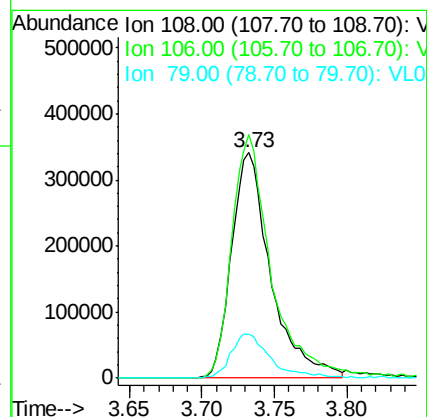
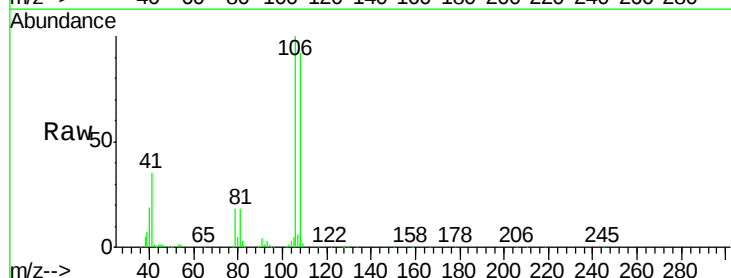
Tgt Ion: 108 Resp: 639810

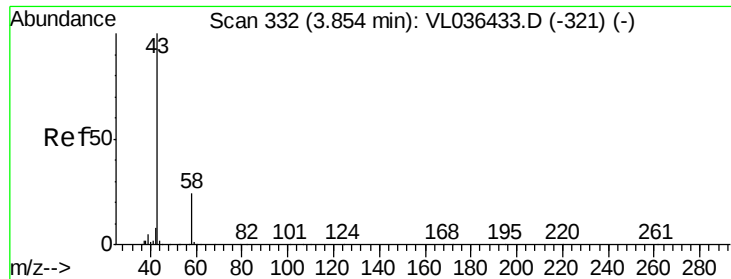
Ion Ratio Lower Upper

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 :

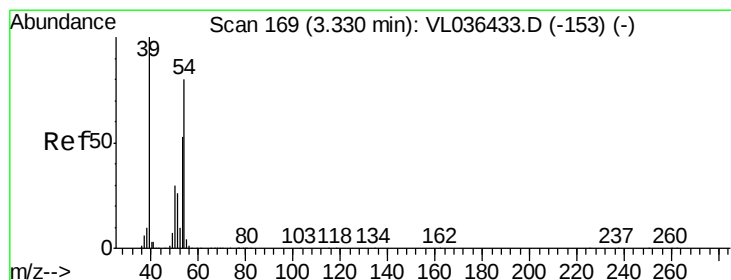
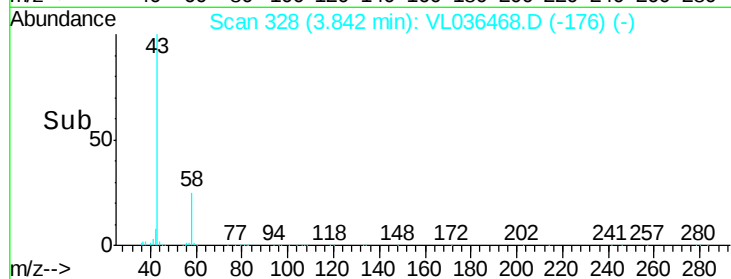
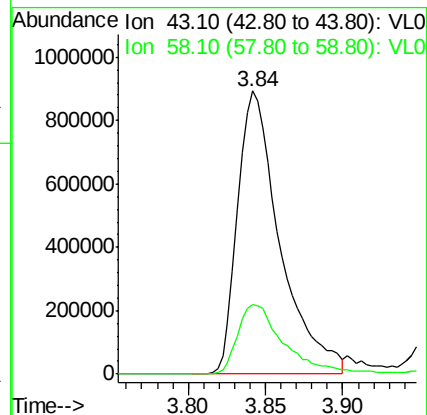
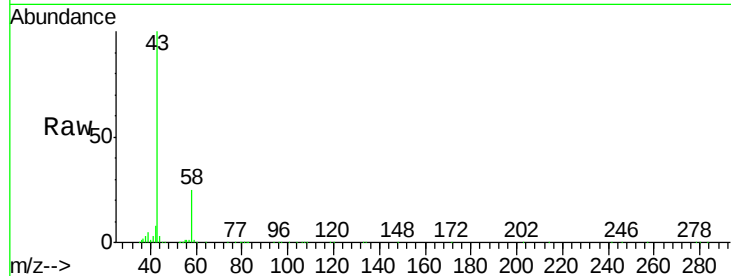
Acq: 24 Mar 2021 16:36

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

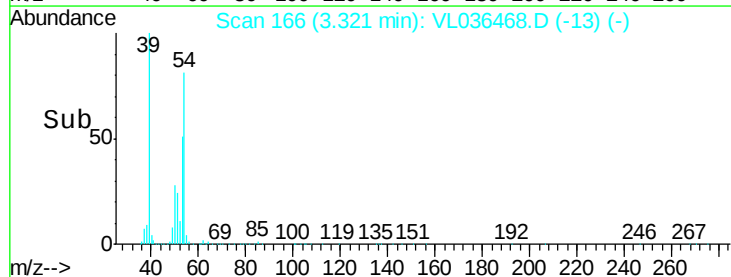
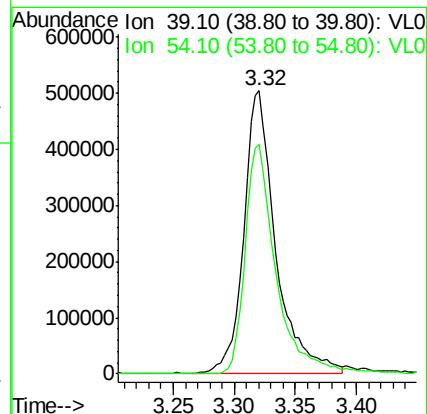
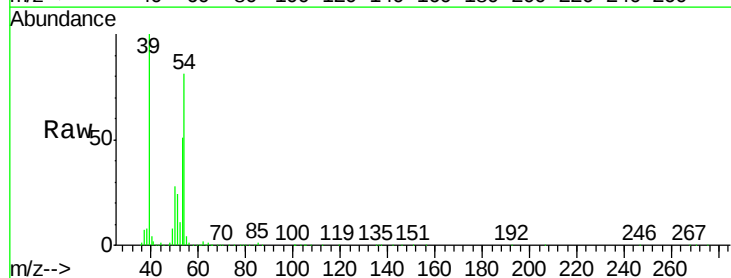
Acq: 24 Mar 2021 16:36

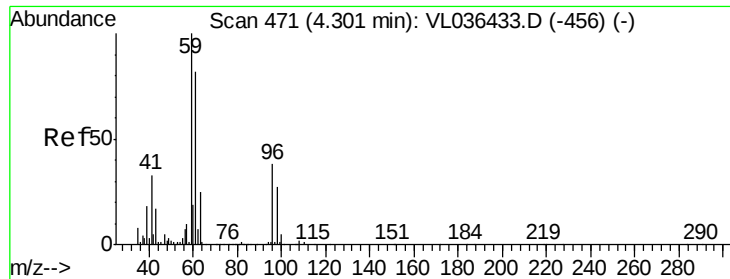
Tgt Ion: 39 Resp: 907808

Ion Ratio Lower Upper

39 100

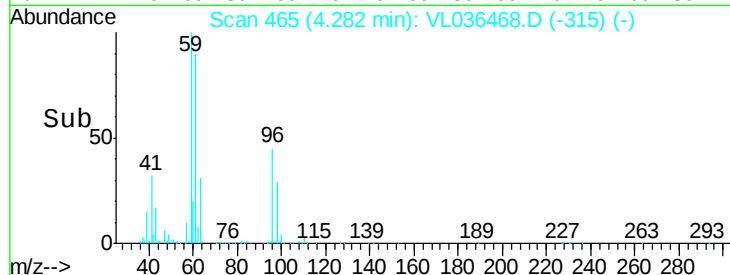
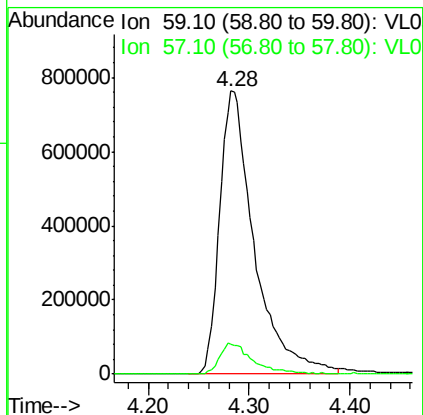
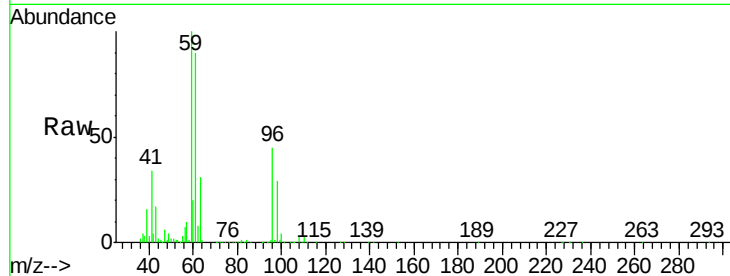
54 79.6 64.5 96.7





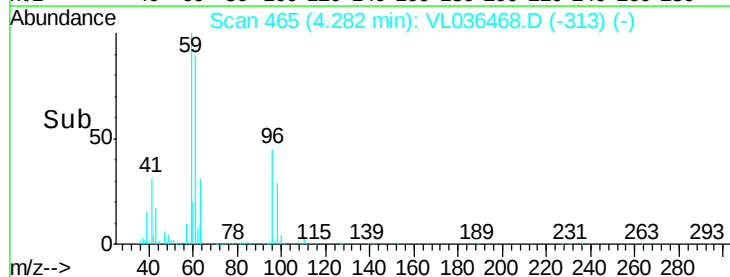
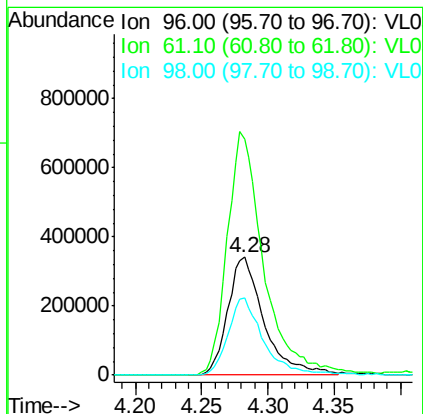
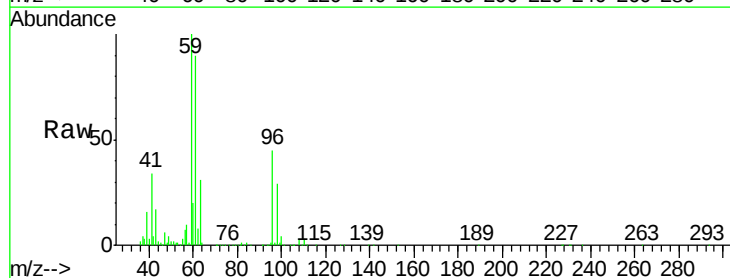
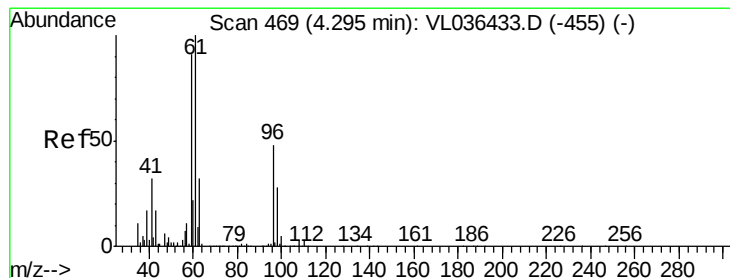
#17
 tert-Butyl alcohol
 Concen: 12.609 ppbv
 RT: 4.28 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 16:36

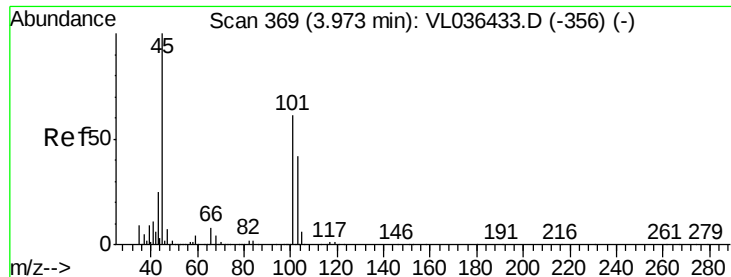
Tot Ion: 59 Resp: 1832855
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.9 13.3



#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





#19

Isopropyl Alcohol

Concen: 12.250 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

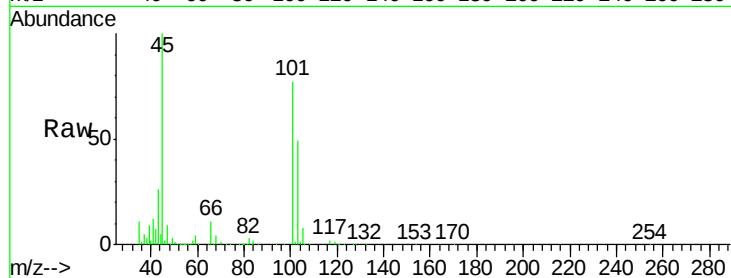
Acq: 24 Mar 2021 16:36

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

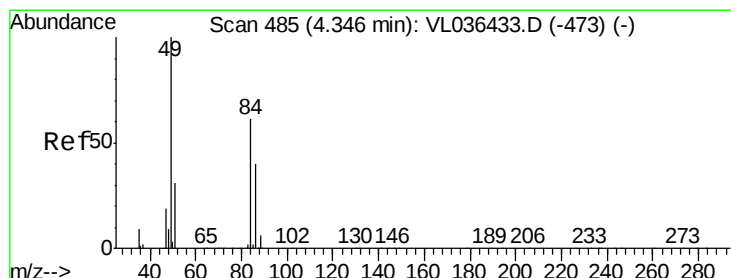
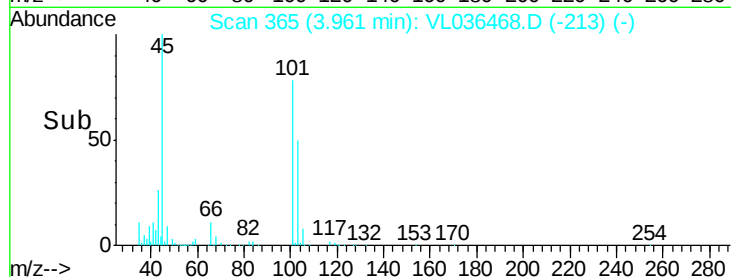
300000

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

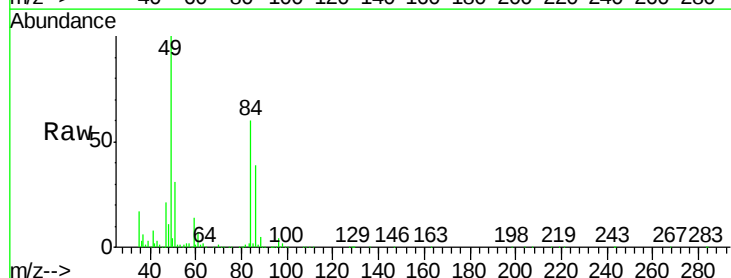
Ion Ratio Lower Upper

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

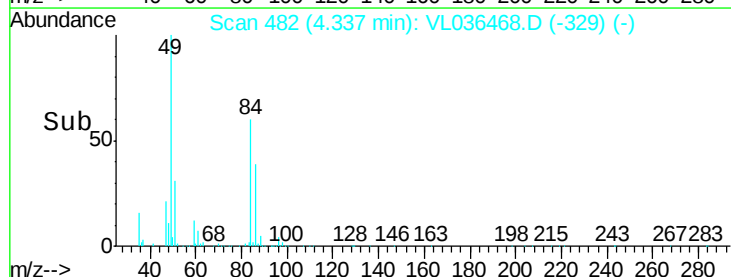
600000

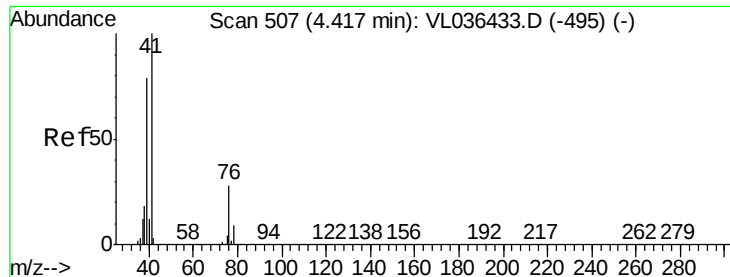
400000

200000

0

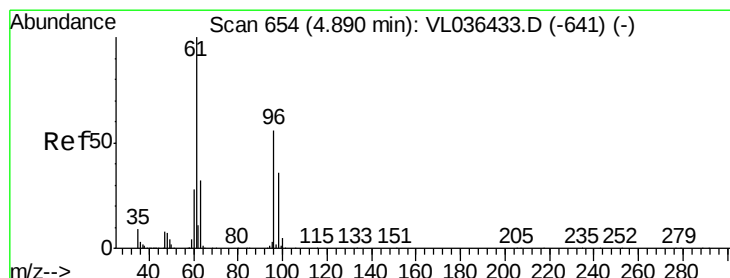
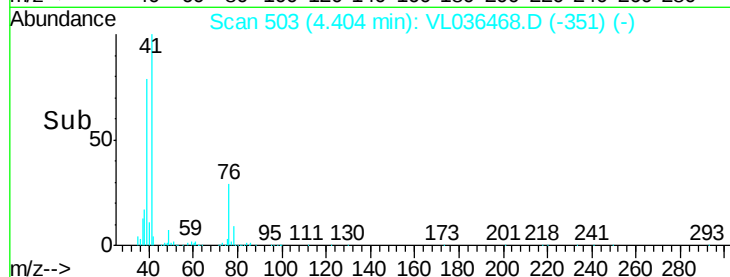
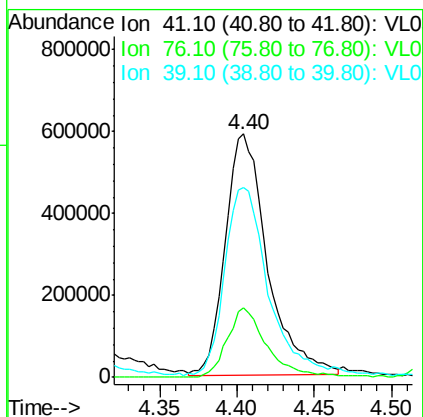
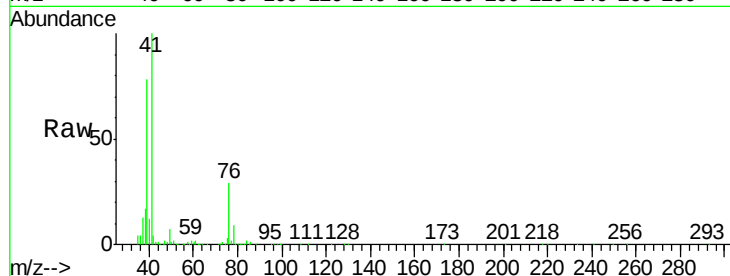
Time-->





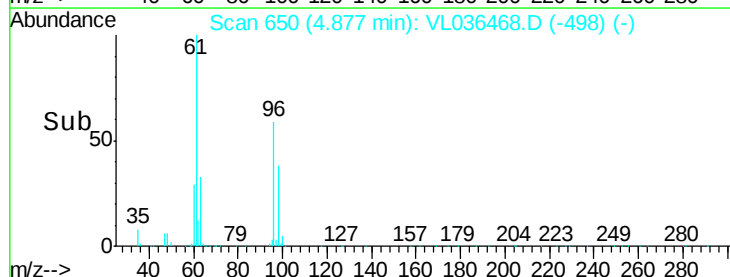
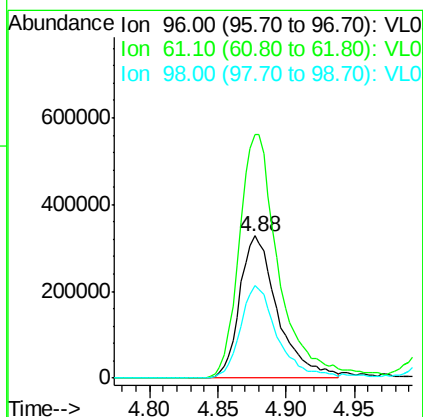
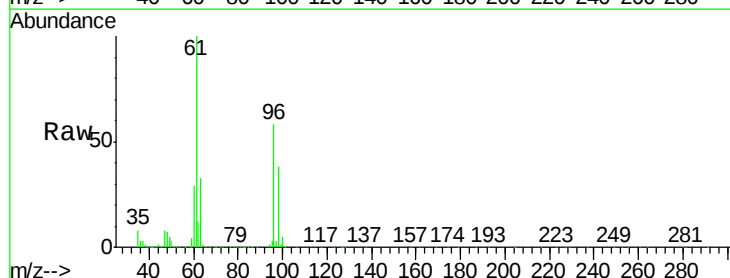
#21
 Allvl Chloride
 Concen: 10.777 ppbv
 RT: 4.40
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 16:36

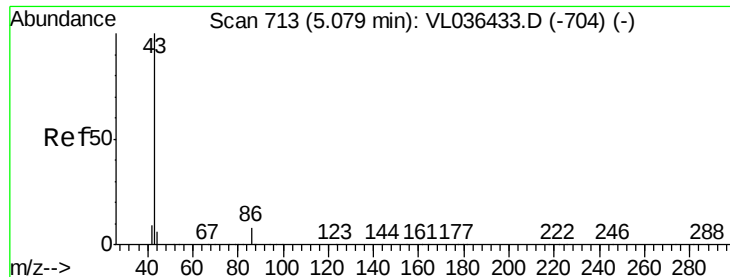
Tot Ion: 41 Resp: 1113990
 Ion Ratio Lower Upper
 41 100
 76 27.6 21.8 32.8
 39 82.4 66.0 99.0



#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

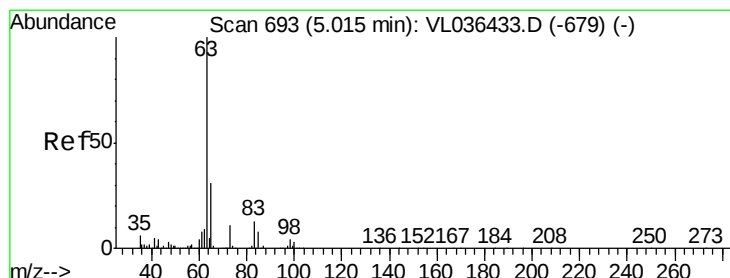
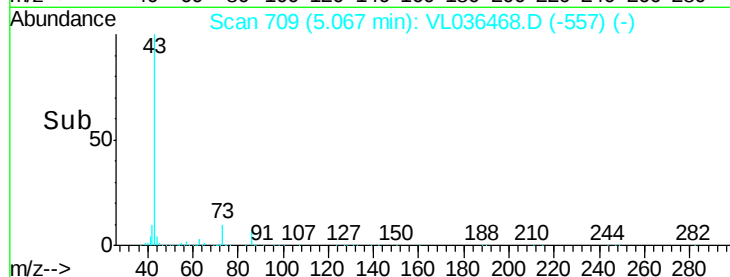
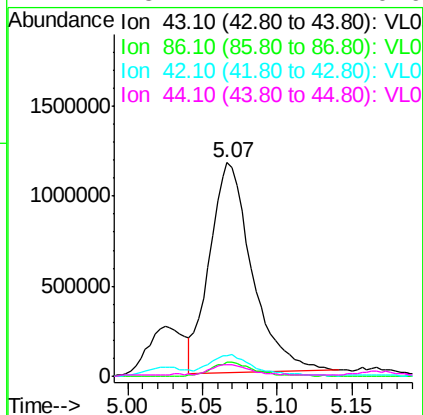
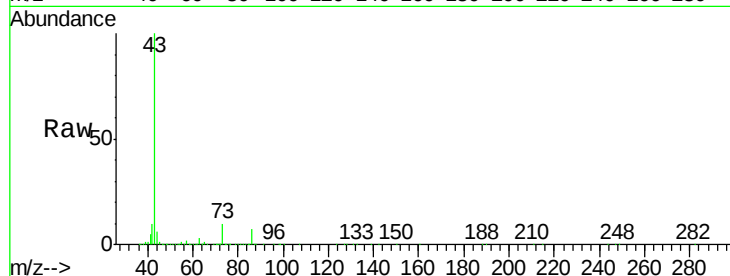




#23
 Vinyl Acetate
 Concen: 11.110 ppbv
 RT: 5.07
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 16:36

Tot Ion: 43 Resp: 2305023

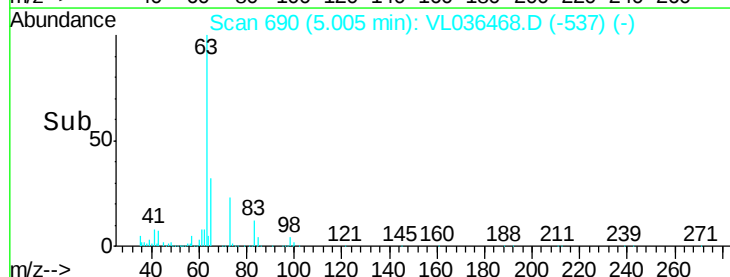
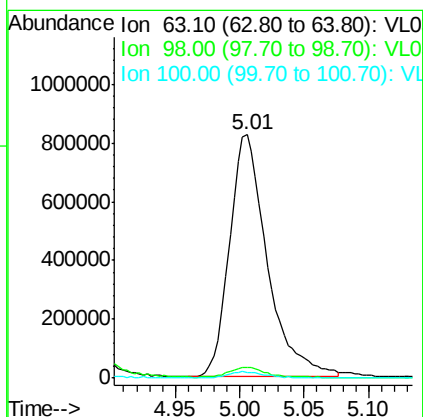
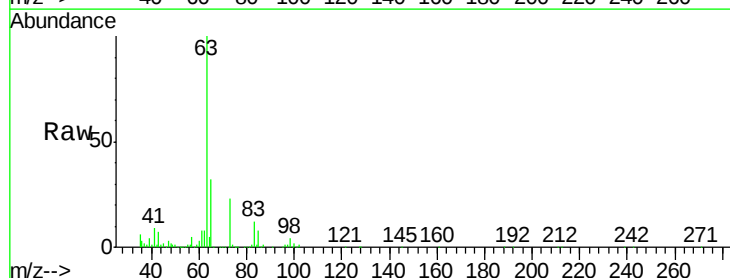
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.2	7.8
42	9.8	8.3	12.5
44	5.1	4.4	6.6

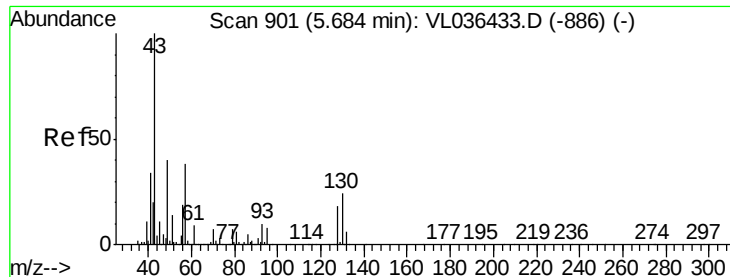


#24
 1,1-Dichloroethane
 Concen: 10.268 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

Tgt Ion: 63 Resp: 1681411

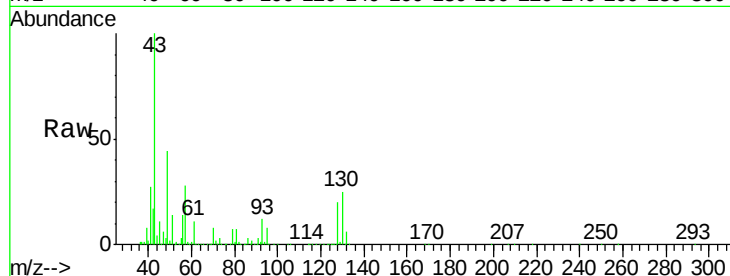
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.0	5.8
100	2.4	1.3	3.8



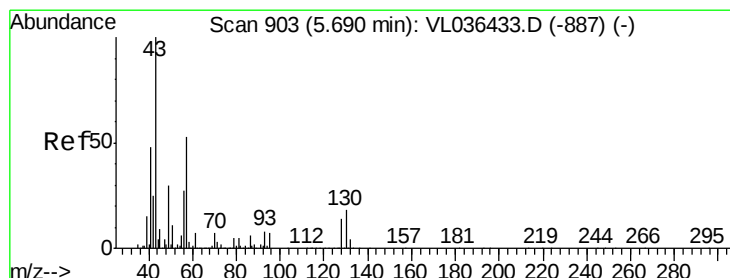
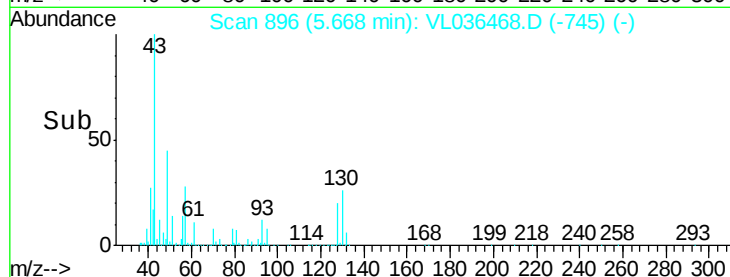
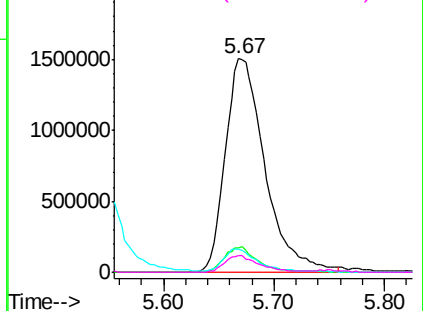


#25
Ethyl Acetate
Concen: 10.461 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 16:36

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

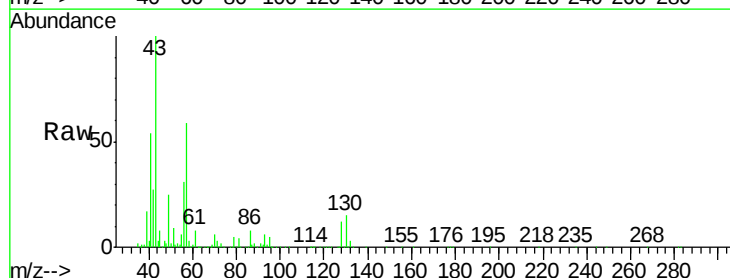


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

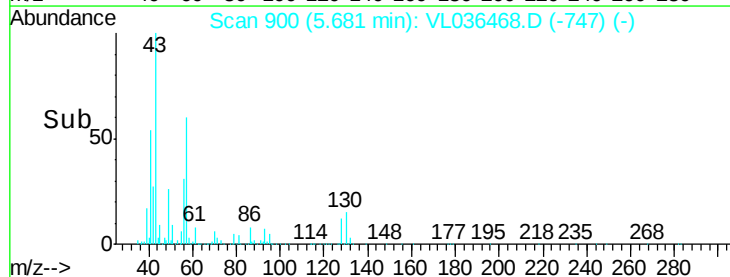
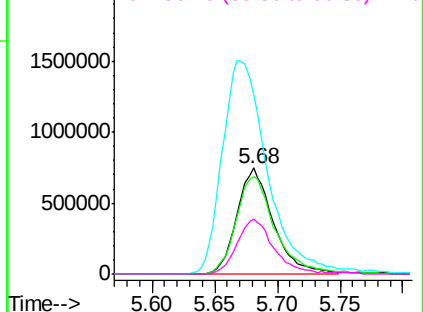


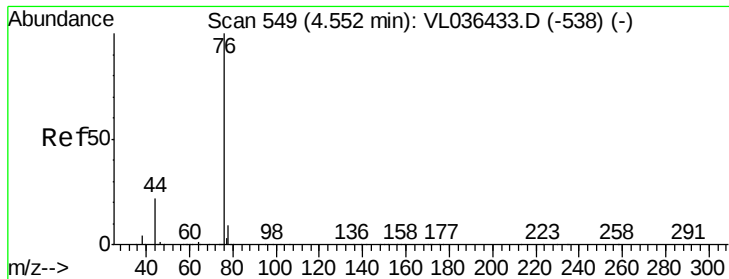
#26
Hexane
Concen: 10.320 ppbv
RT: 5.68 min Scan# 900
Delta R.T.: -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

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

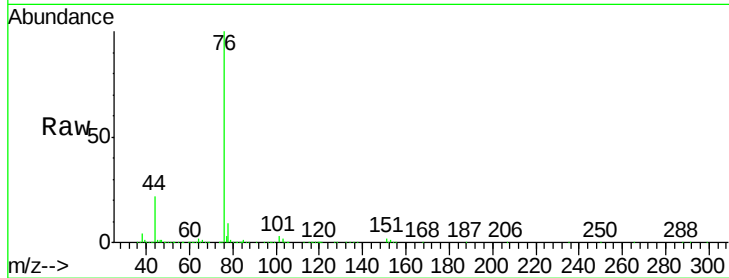
Tot Ion: 76 Resp: 1659350

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

76 100

44 20.9 17.4 26.0

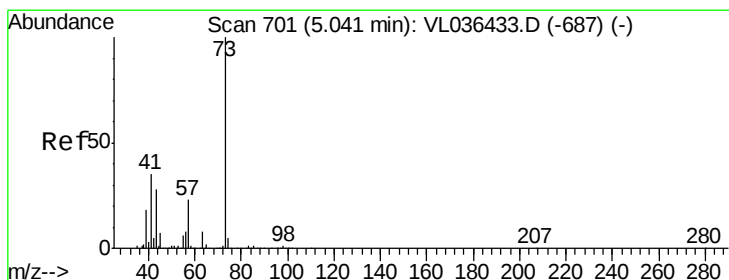
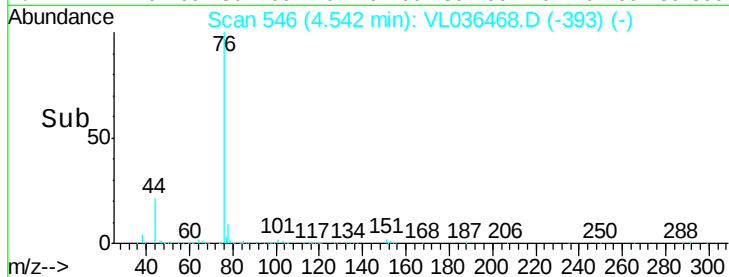
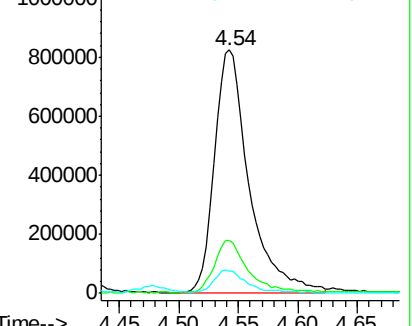
78 9.9 7.4 11.0



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

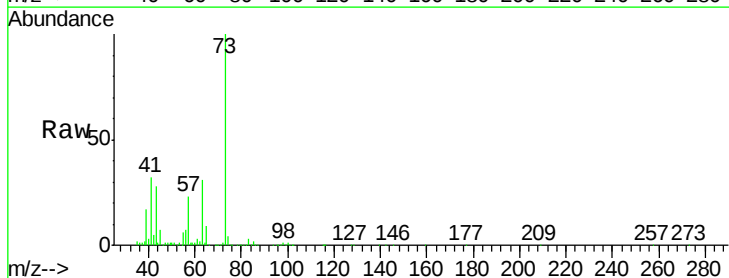
Acq: 24 Mar 2021 16:36

Tgt Ion: 73 Resp: 2118554

Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.0	28.6

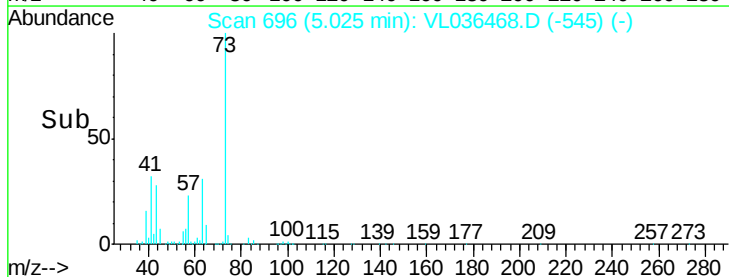
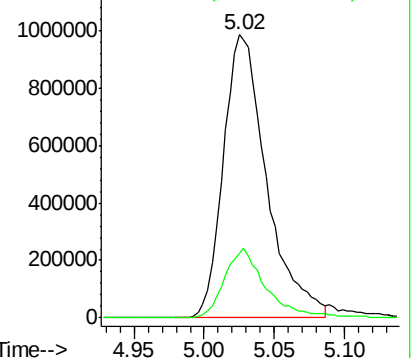
73 100

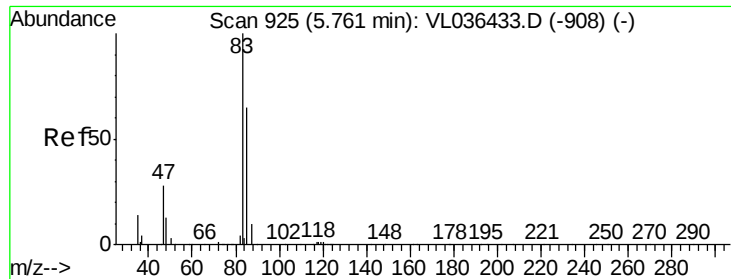
57 23.8 19.0 28.6



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 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

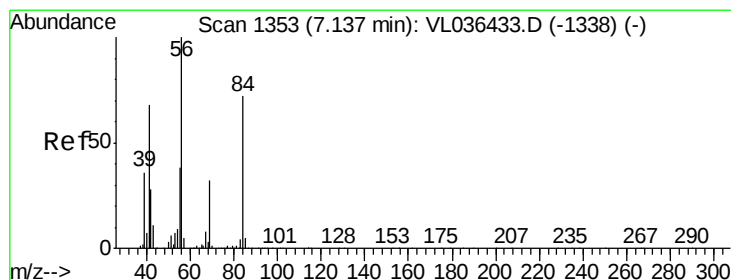
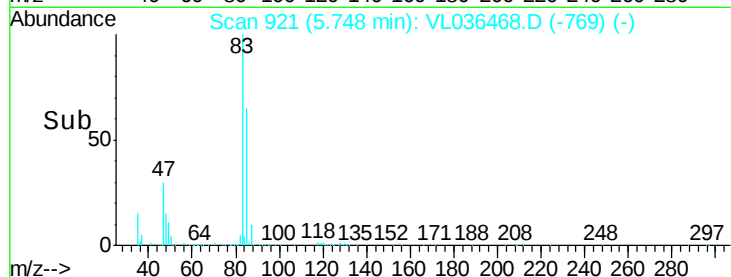
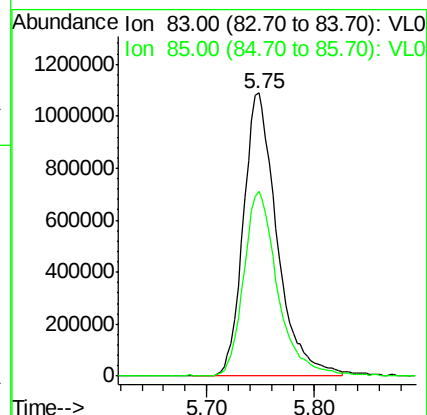
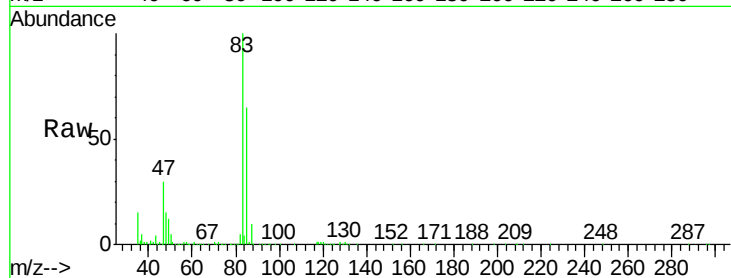
Acq: 24 Mar 2021 16:30

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

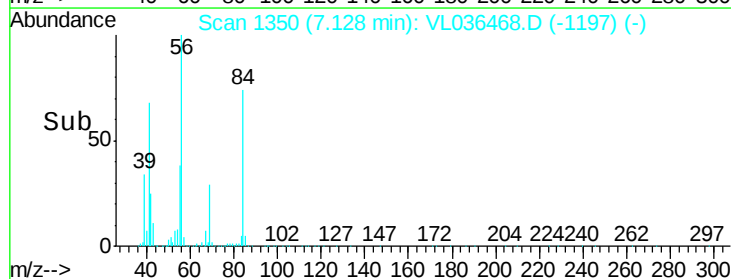
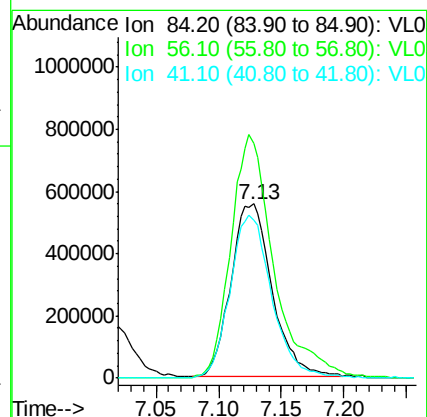
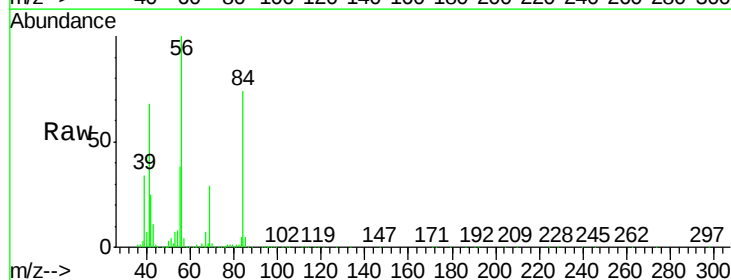
Tgt Ion: 84 Resp: 1268971

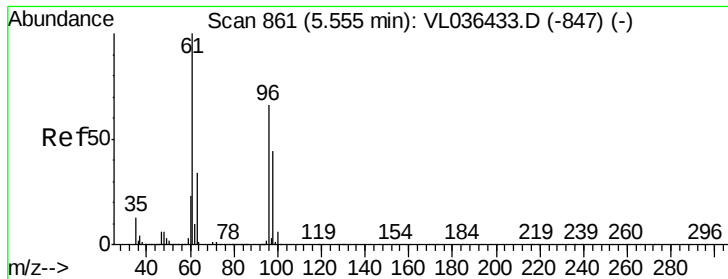
Ion Ratio Lower Upper

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

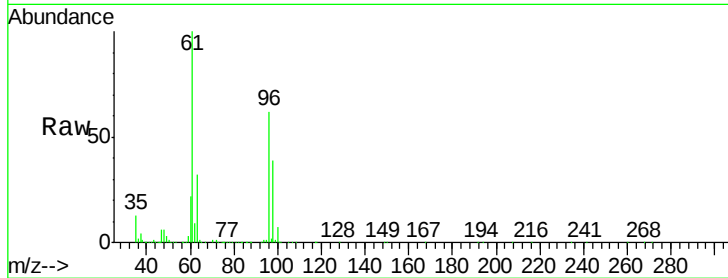
Tot Ion: 61 Resp: 1556808

Ion Ratio Lower Upper

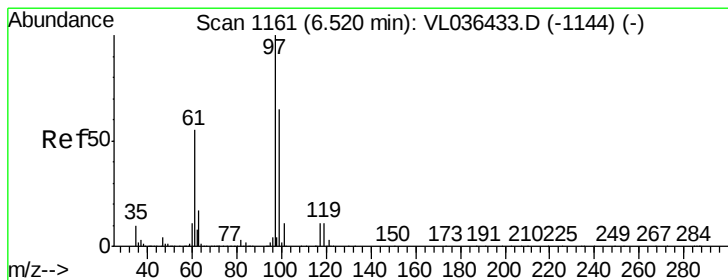
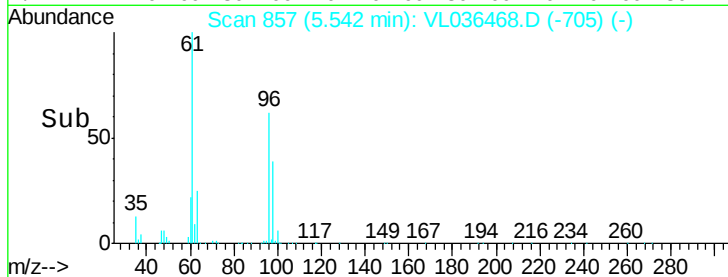
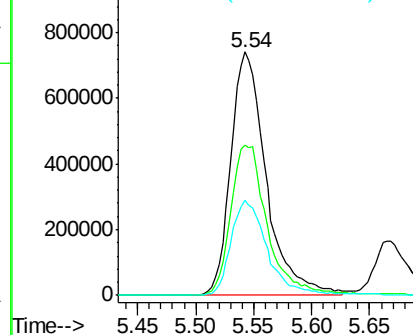
61 100

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

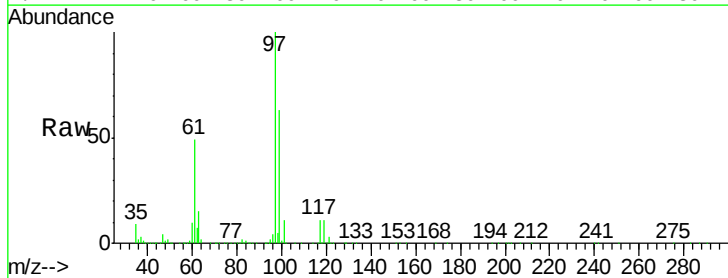
Tgt Ion: 97 Resp: 2356343

Ion Ratio Lower Upper

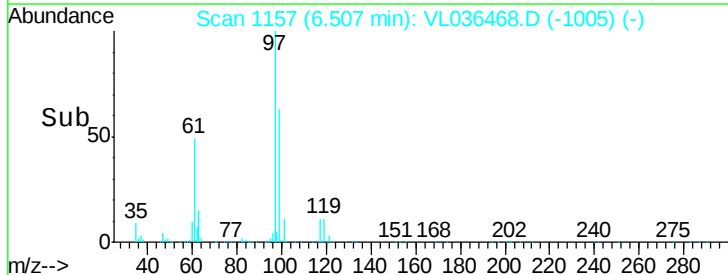
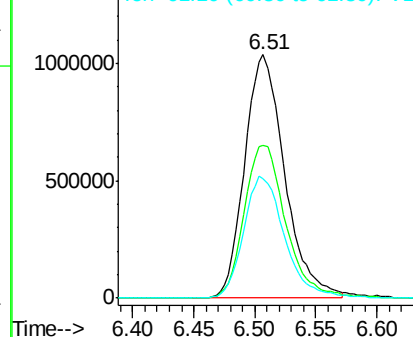
97 100

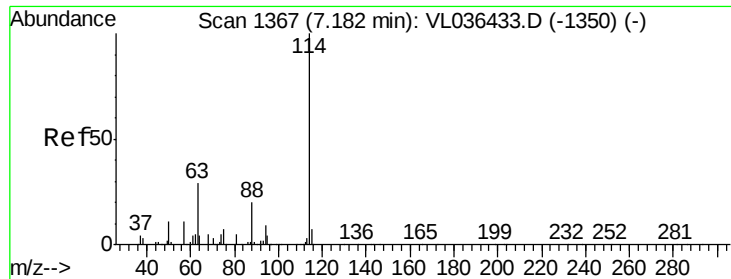
99 65.5 52.1 78.1

61 51.3 42.2 63.4



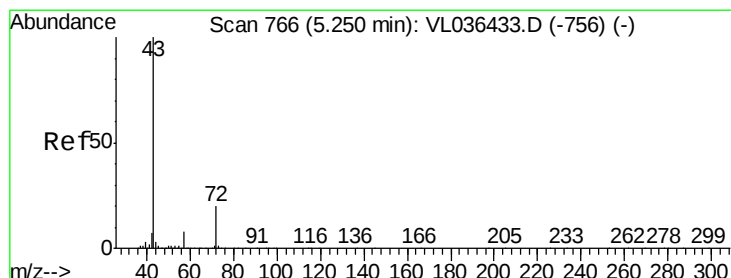
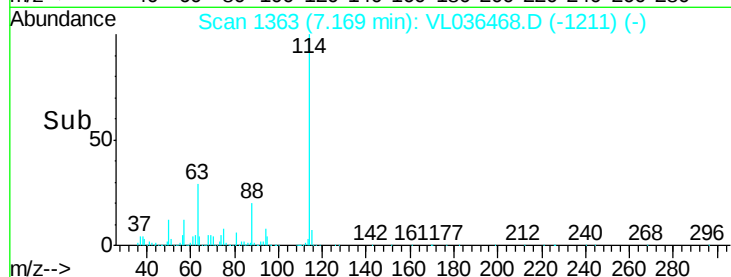
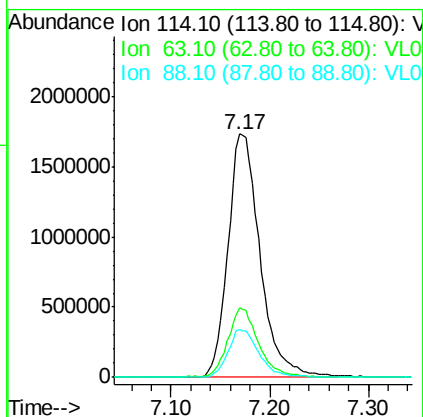
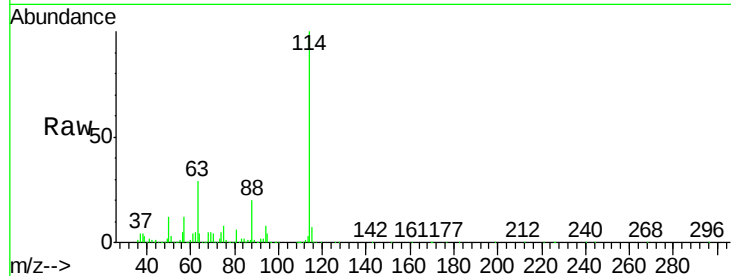
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





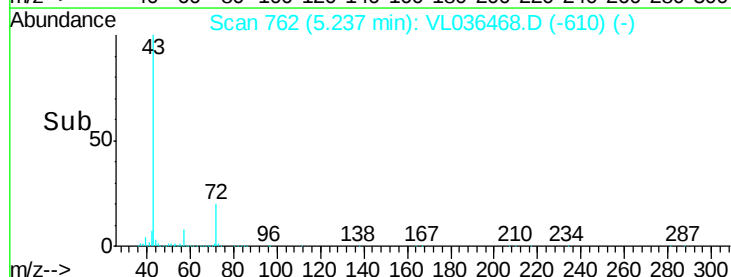
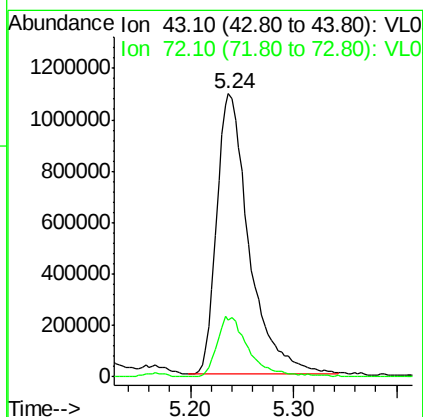
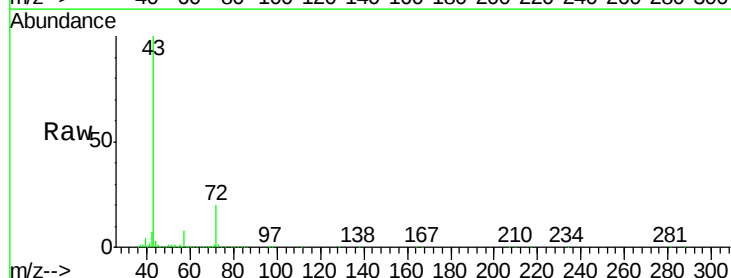
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2021 16:36

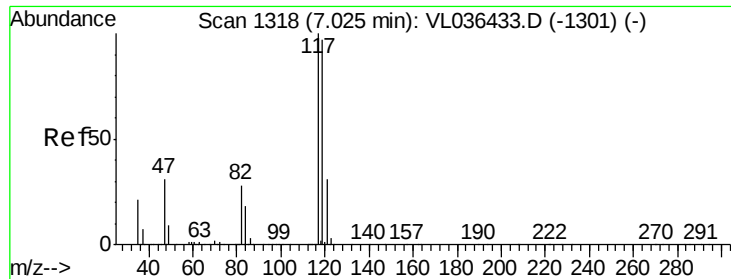
Tot Ion:114 Resp: 3928281
 Ion Ratio Lower Upper
 114 100
 63 27.7 23.3 34.9
 88 19.3 15.6 23.4



#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
 43 100
 72 21.2 16.7 25.1





#35

Carbon Tetrachloride

Concen: 9.559 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 16:36

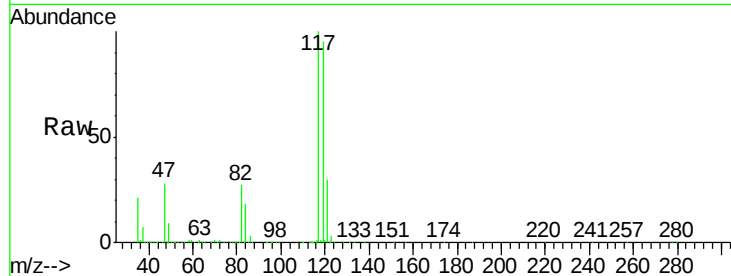
Tot Ion:117 Resp: 2426252

Ion Ratio Lower Upper

117 100

119 95.0 77.8 116.6

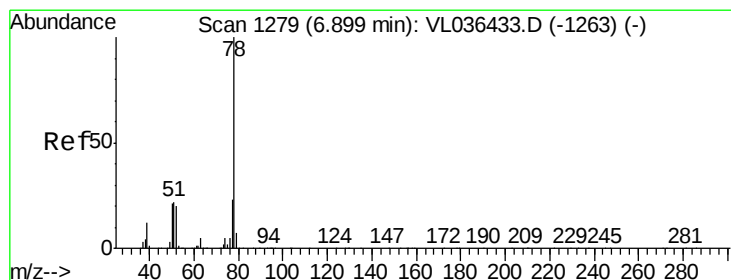
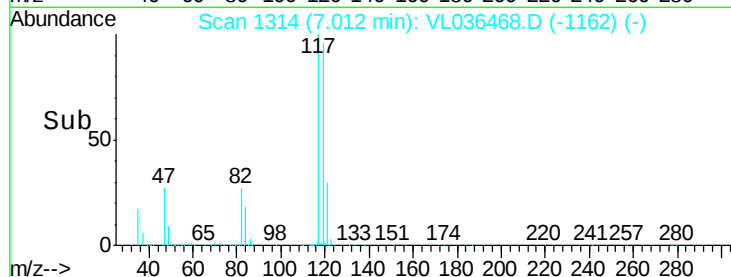
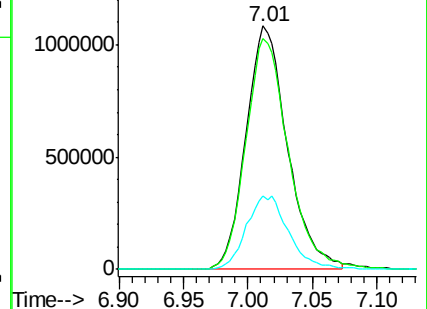
121 30.1 24.6 36.8



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

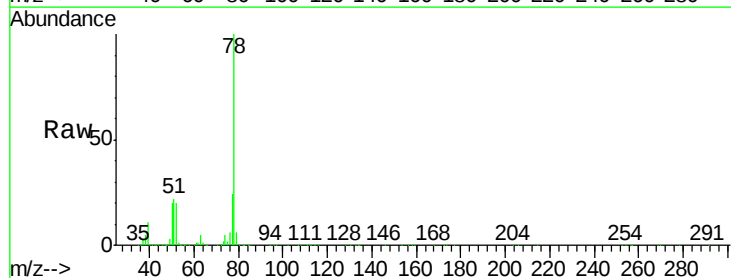
Tgt Ion: 78 Resp: 3185663

Ion Ratio Lower Upper

78 100

77 23.5 18.1 27.1

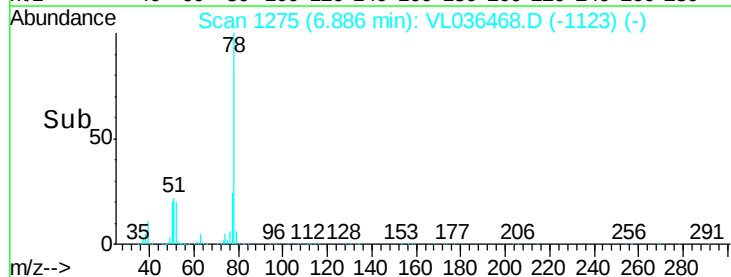
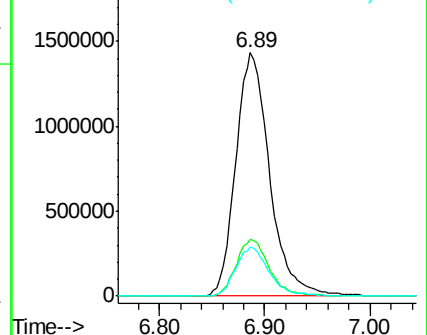
50 20.3 16.8 25.2

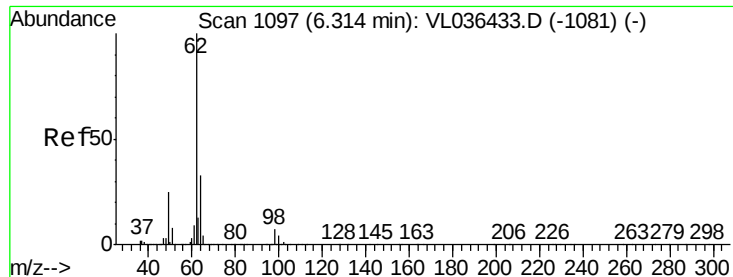


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

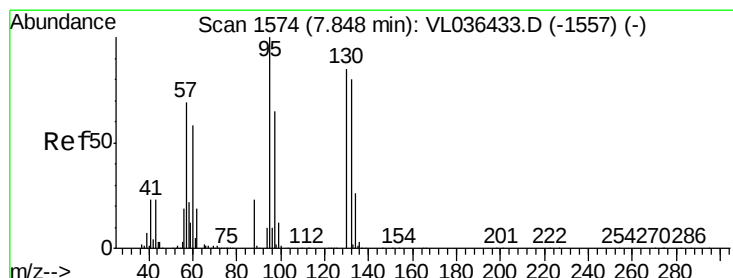
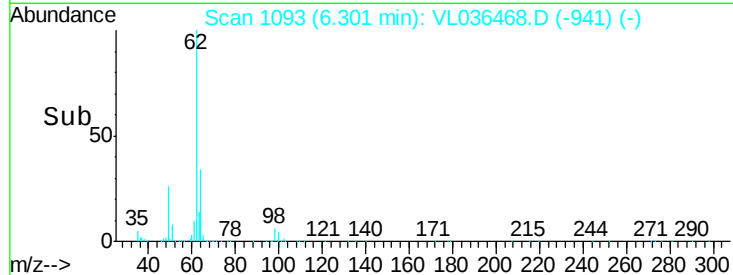
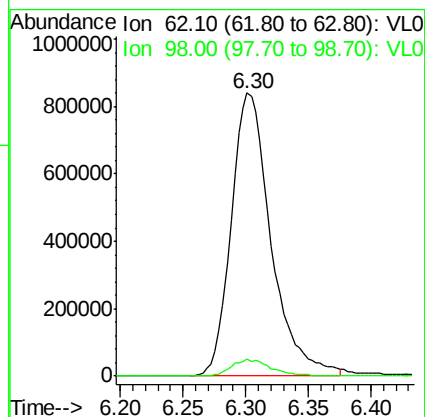
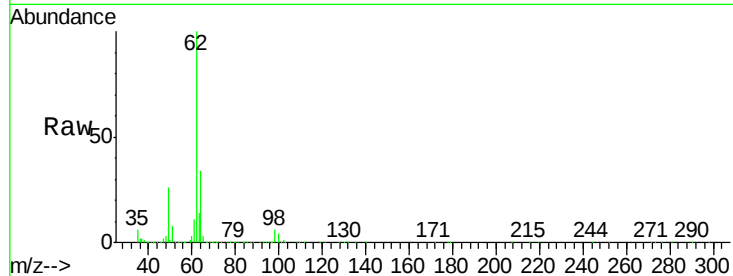
Ion 50.10 (49.80 to 50.80): VL0





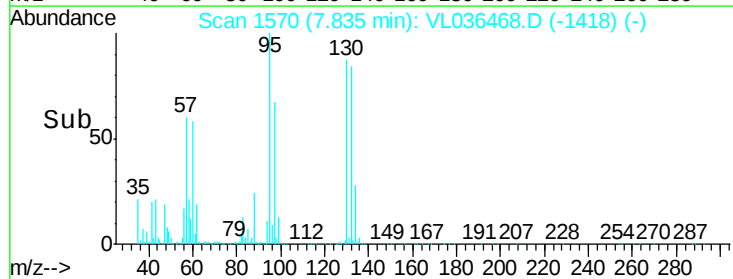
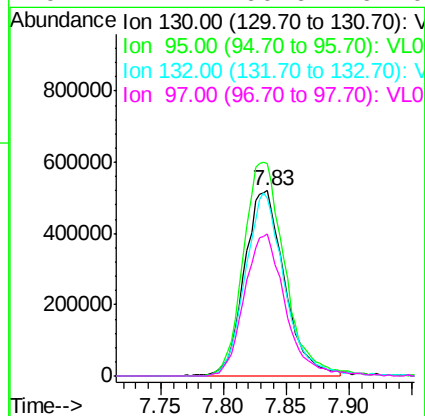
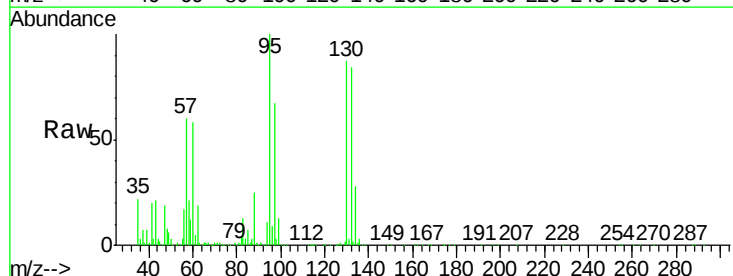
#37
 1,2-Dichloroethane
 Concen: 9.652 ppbv
 RT: 6.30
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 16:36

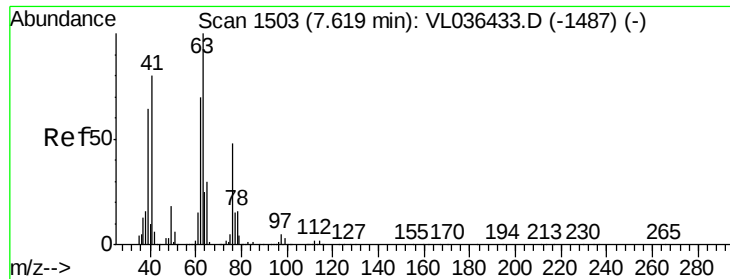
Tot Ion: 62 Resp: 1848763
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.8 7.2



#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

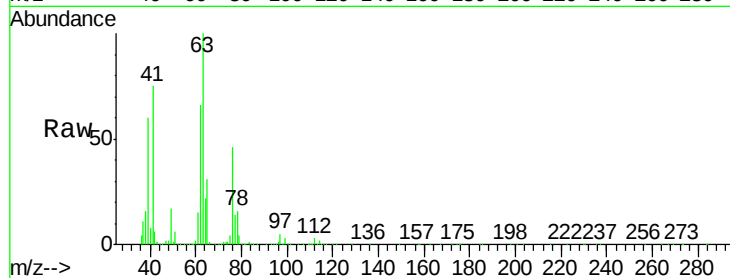
Tot Ion: 63 Resp: 1272635

Ion Ratio Lower Upper

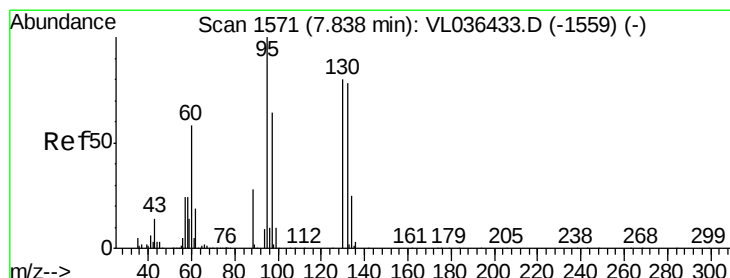
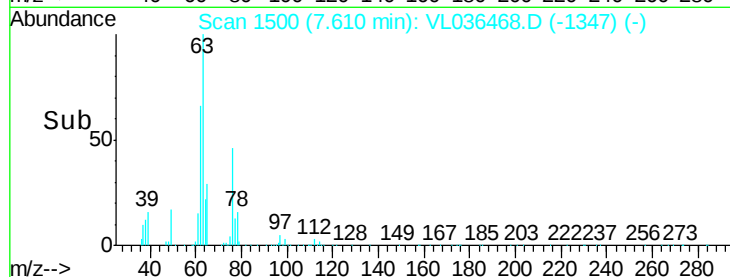
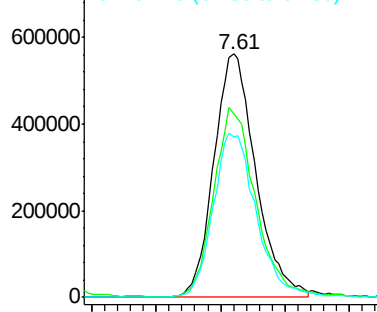
63 100

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

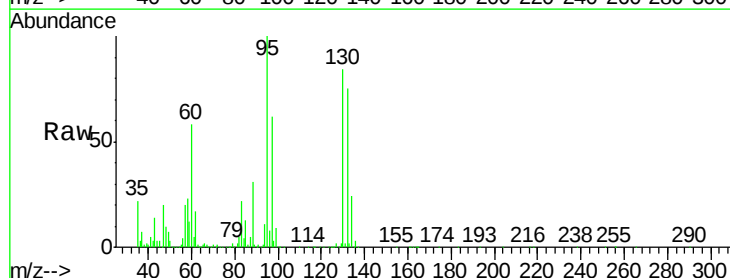
Ion Ratio Lower Upper

88 100

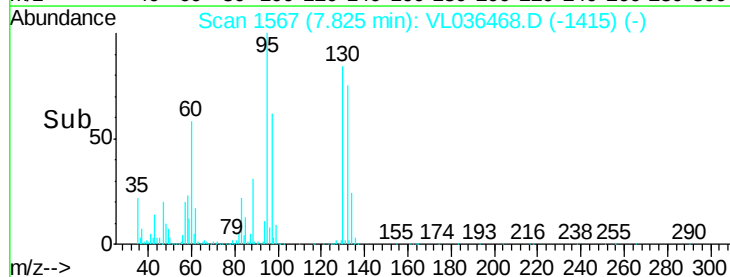
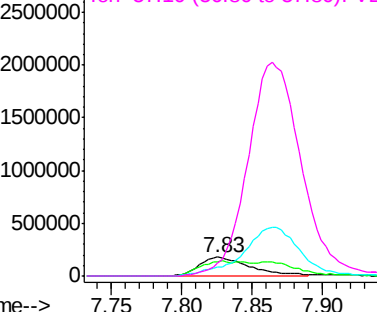
58 137.6 119.6 179.4

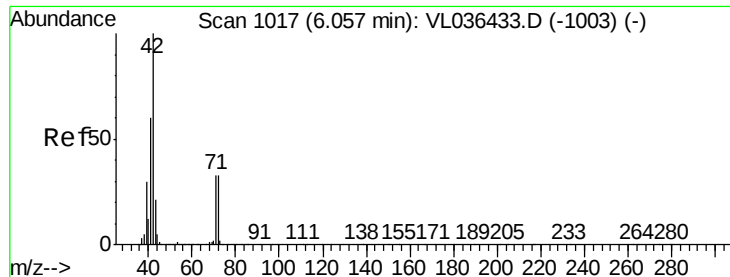
43 288.3 254.2 381.4

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

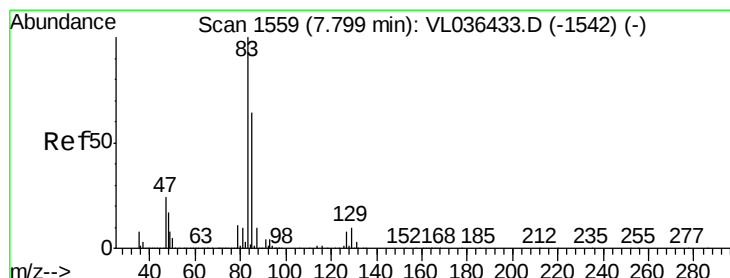
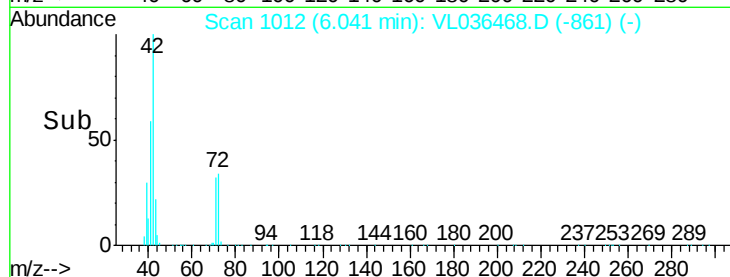
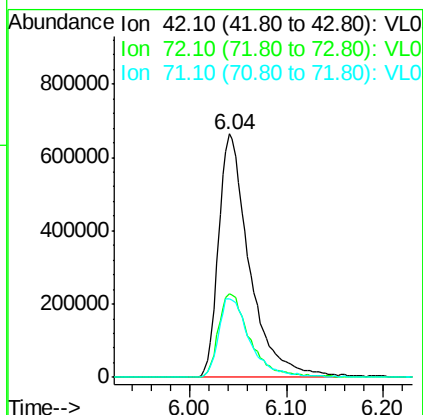
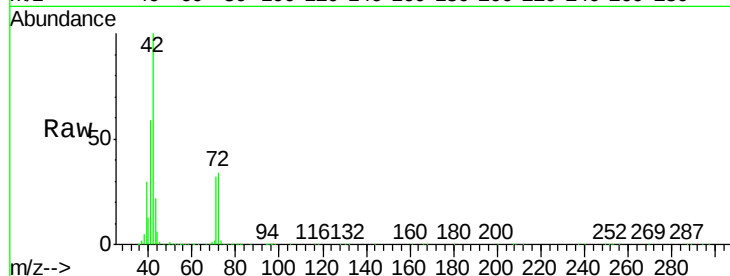




#41
Tetrahydrofuran
Concen: 11.169 ppbv
RT: 6.04
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 16:36

Tot Ion: 42 Resp: 1475028

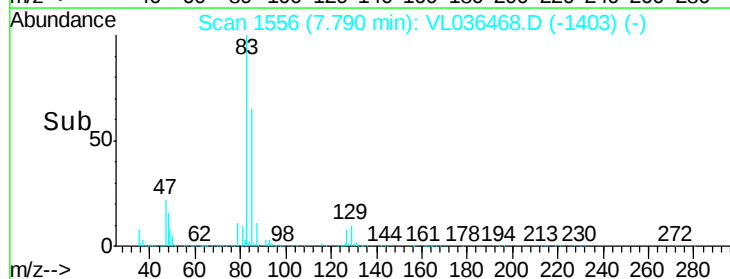
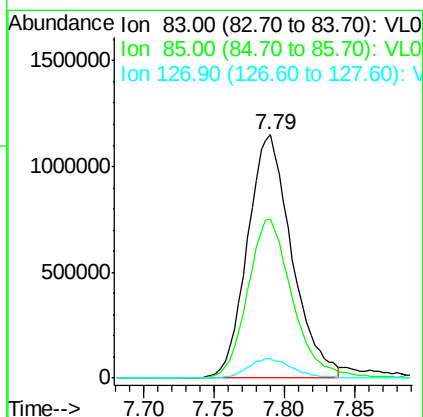
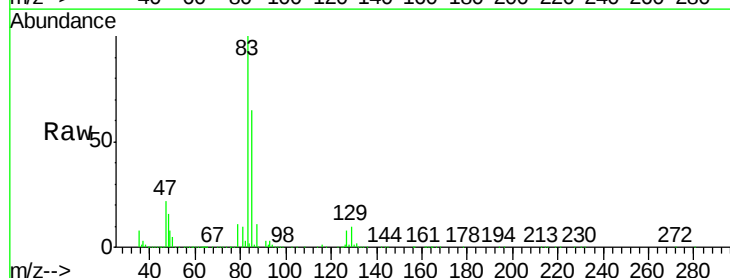
Ion	Ratio	Lower	Upper
42	100		
72	35.3	28.1	42.1
71	33.3	27.6	41.4

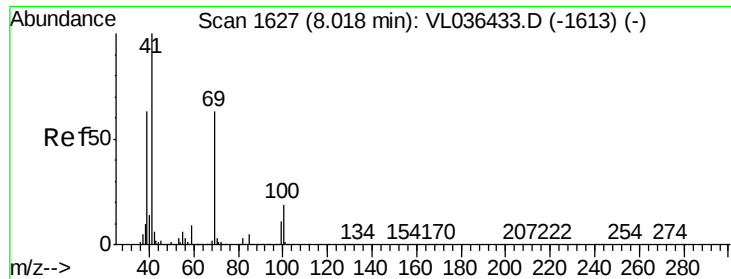


#42
Bromodichloromethane
Concen: 9.756 ppbv
RT: 7.79 min Scan# 1556
Delta R.T.: -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

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





#43

Methyl Methacrylate

Concen: 11.466 ppbv

RT: 8.01 min

Instrument: MSVOA_1

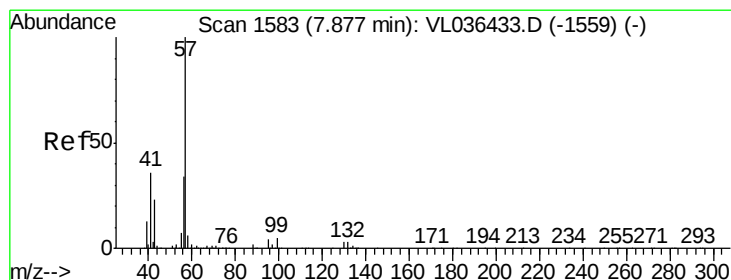
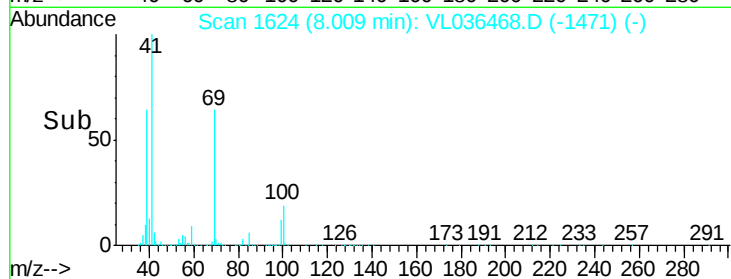
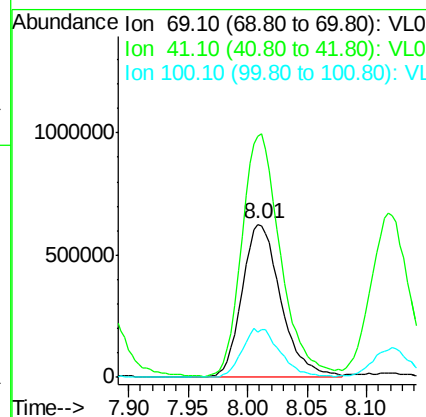
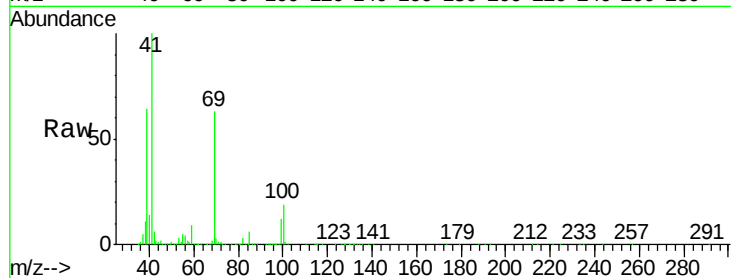
Delta R.T.:

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

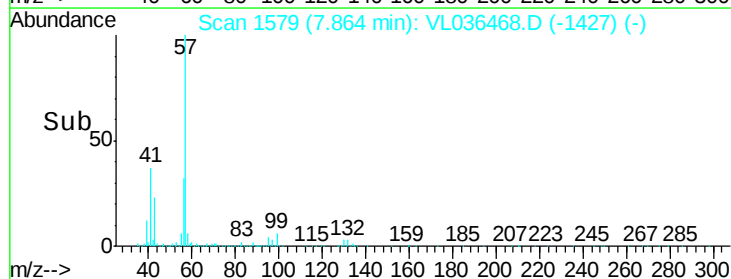
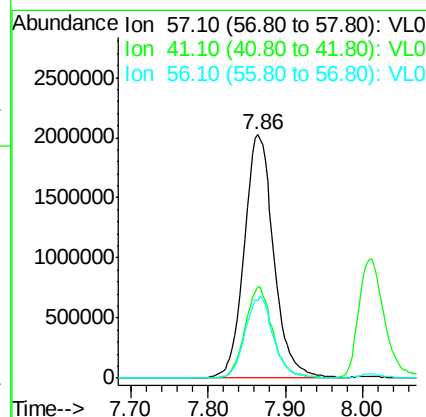
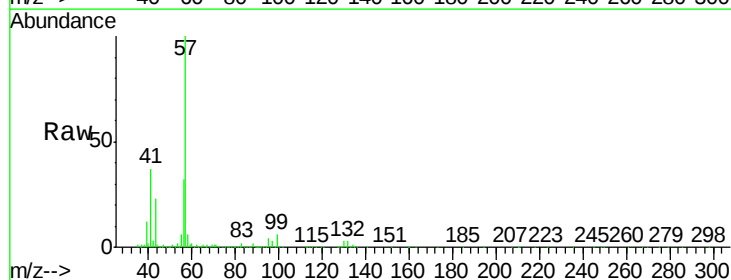
Delta R.T. -0.01 min

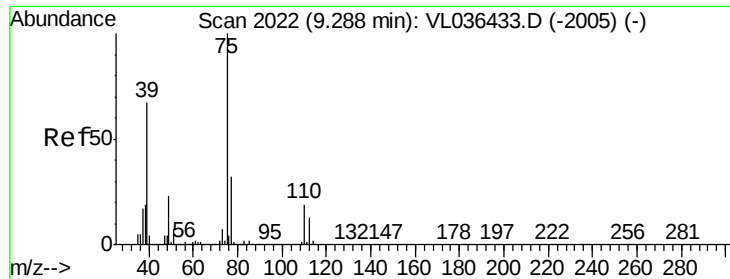
Lab File: VL036468.D

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:

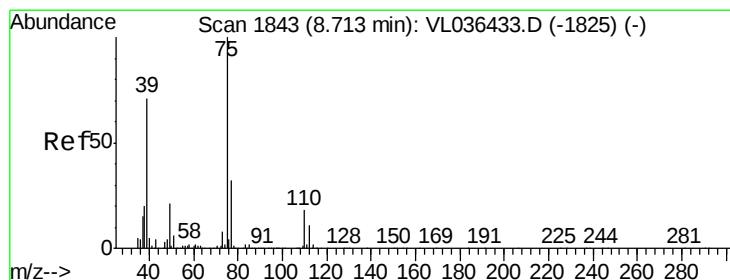
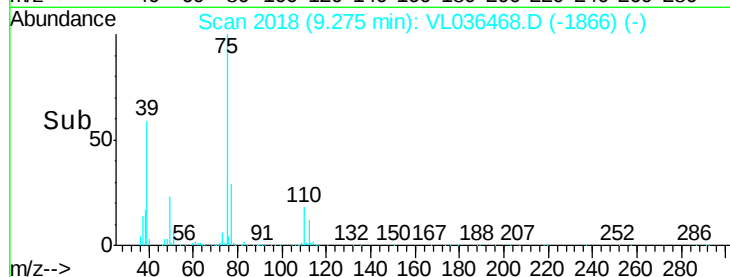
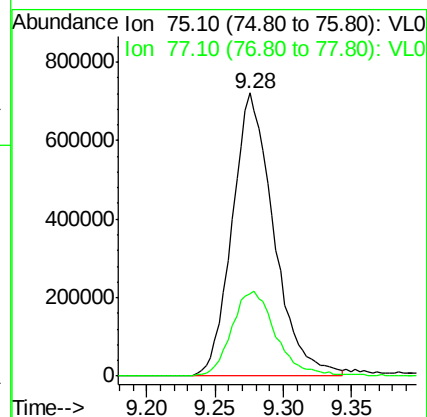
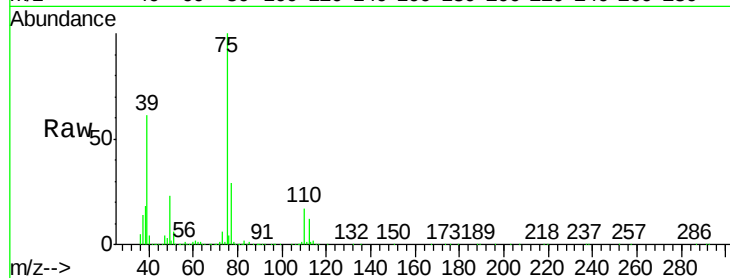
Acq: 24 Mar 2021 16:36

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

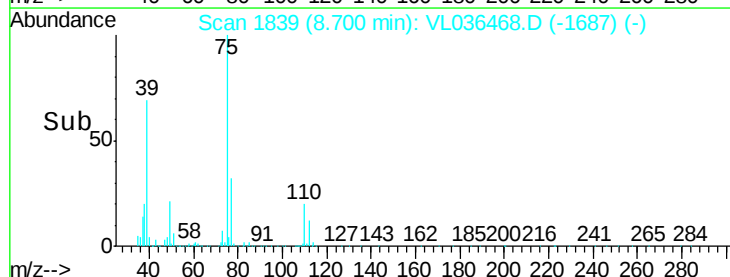
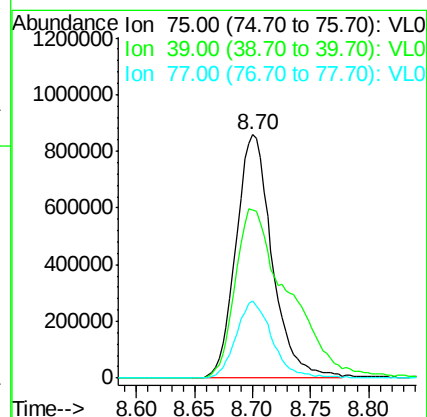
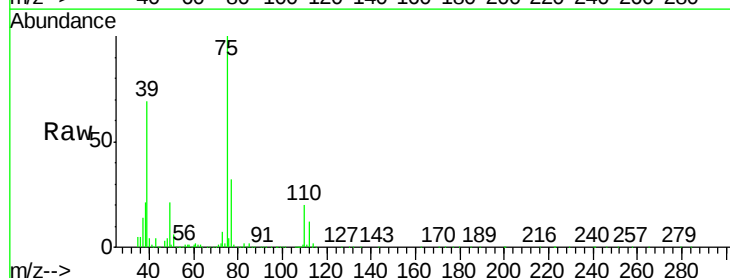
Tgt Ion: 75 Resp: 1853516

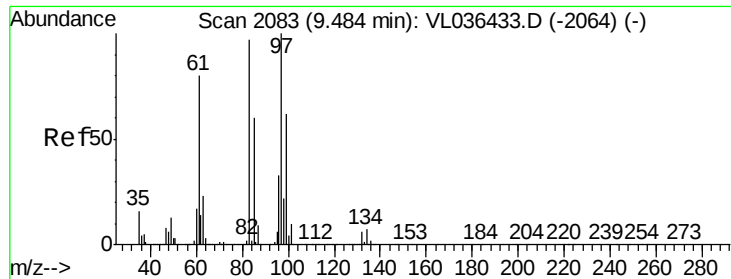
Ion Ratio Lower Upper

75 100

39 68.8 57.1 85.7

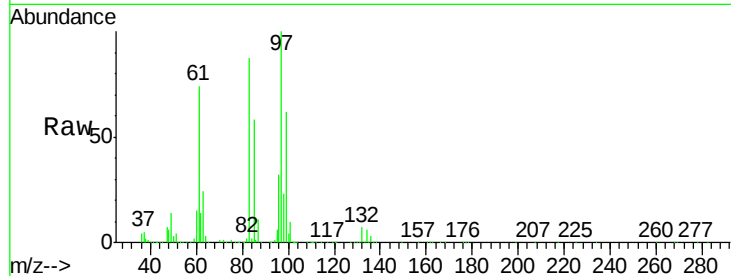
77 31.8 25.3 37.9





#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



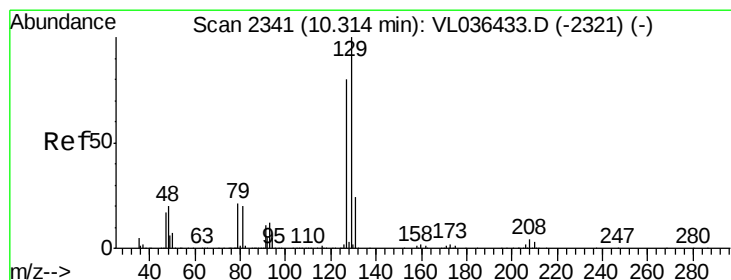
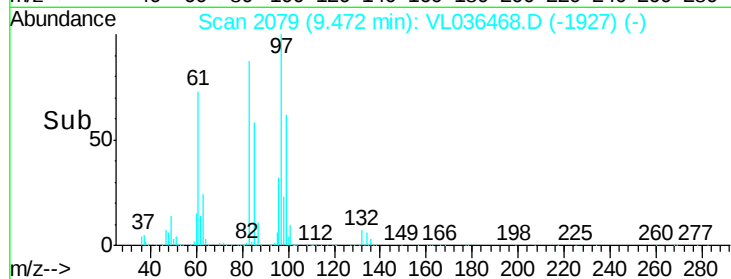
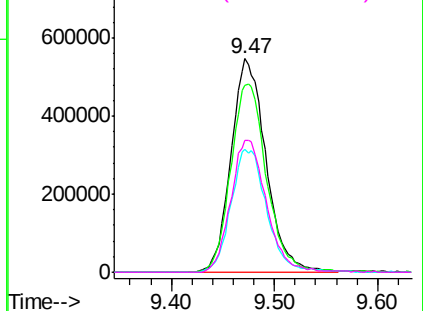
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

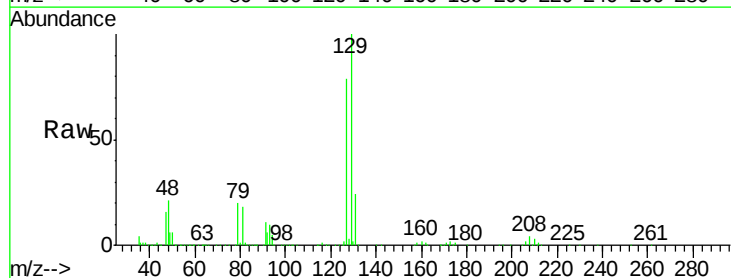
Ion 85.00 (84.70 to 85.70): VL0

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

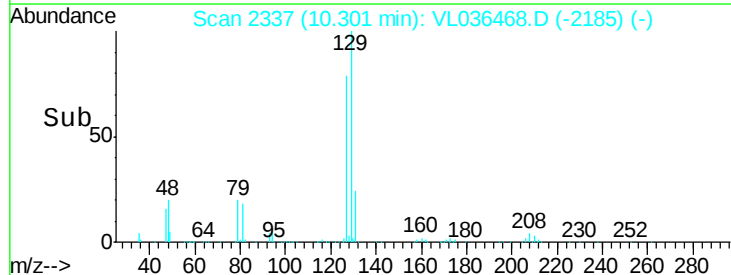
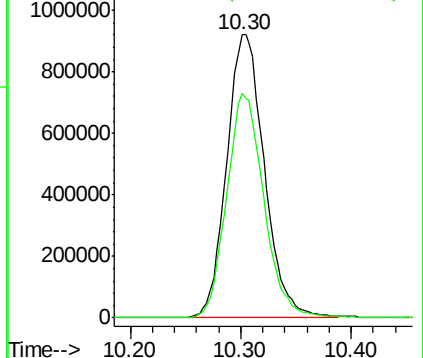
Tgt Ion:	129	Resp:	2175134
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.4	118.1

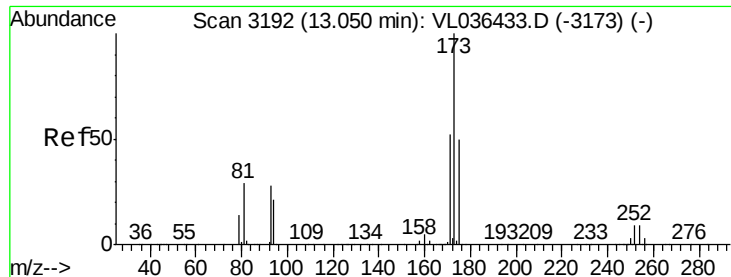


Abundance

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:

Acq: 24 Mar 2021 16:36

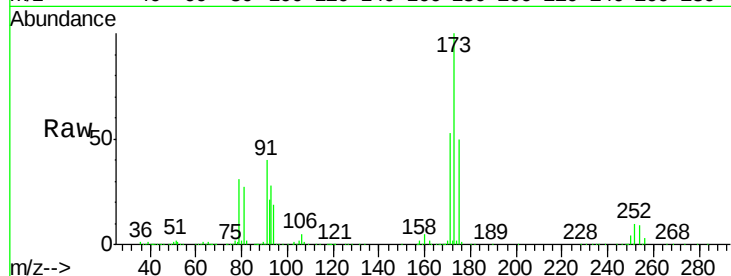
Tot Ion: 173 Resp: 1805721

Ion Ratio Lower Upper

173 100

175 50.3 40.7 61.1

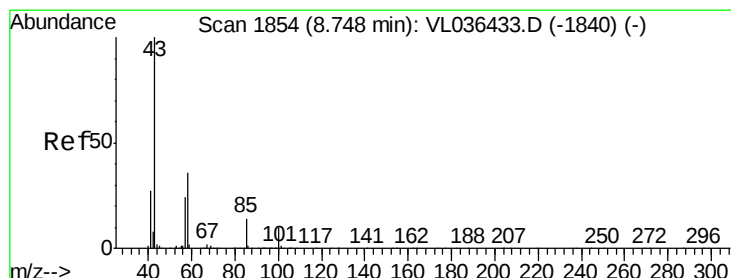
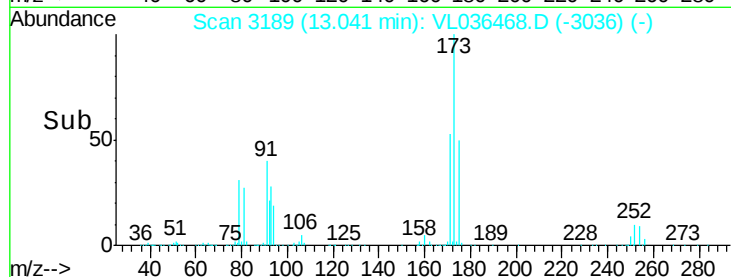
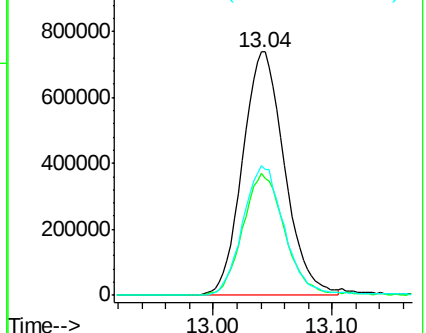
171 53.5 43.0 64.4



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

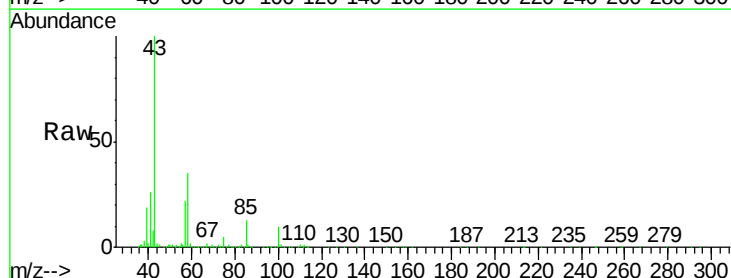
Acq: 24 Mar 2021 16:36

Tgt Ion: 43 Resp: 3661514

Ion Ratio Lower Upper

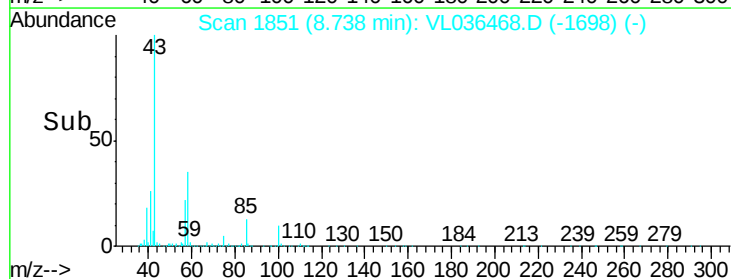
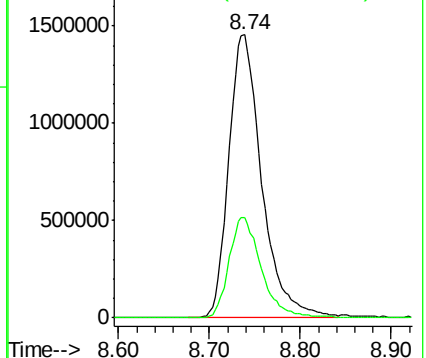
43 100

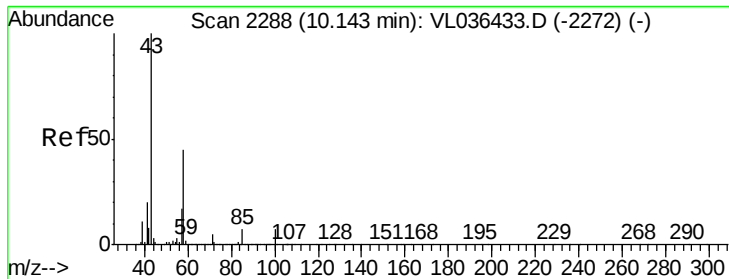
58 35.2 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

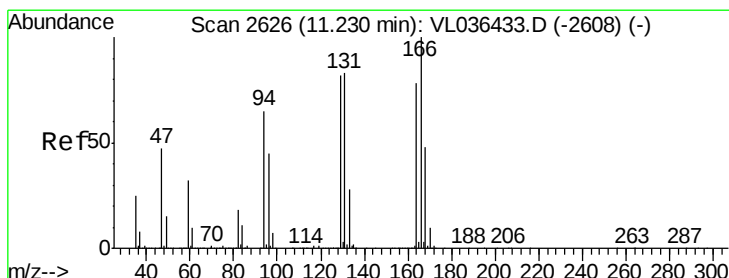
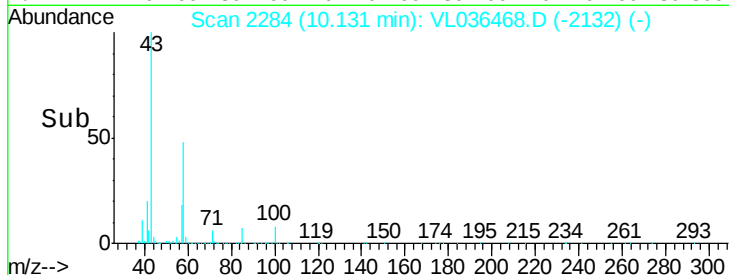
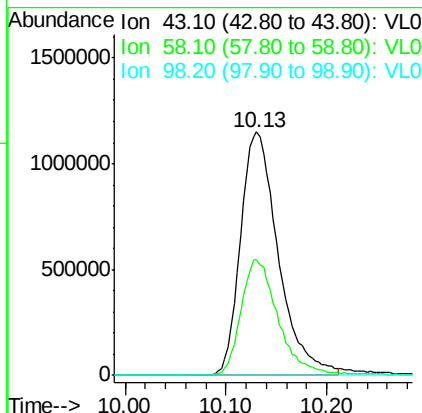
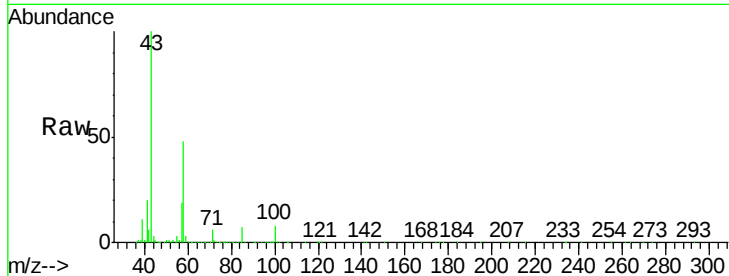




#51
2-Hexanone
Concen: 11.455 ppbv
RT: 10.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2021 16:36

Tot Ion: 43 Resp: 2985283

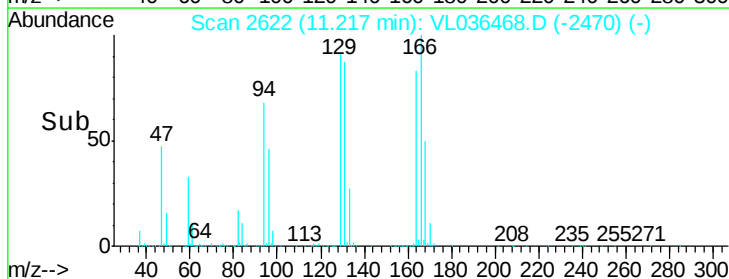
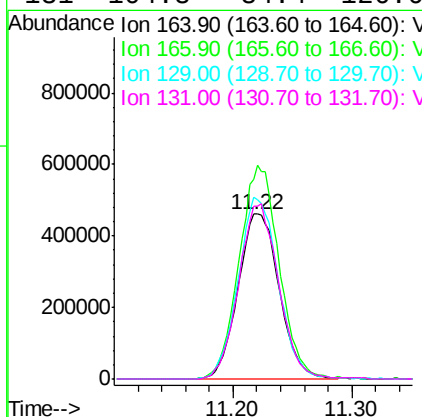
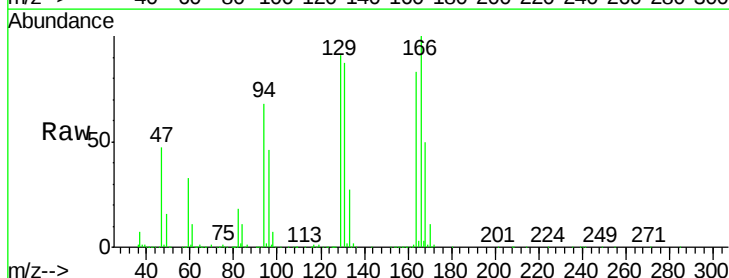
Ion	Ratio	Lower	Upper
43	100		
58	47.8	37.8	56.8
98	0.4	0.2	0.4

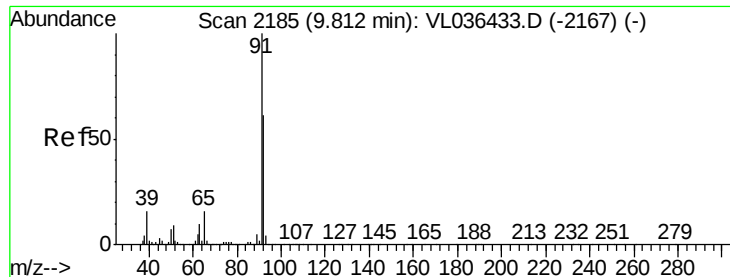


#52
Tetrachloroethene
Concen: 9.633 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

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





#53

Toluene

Concen: 10.826 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

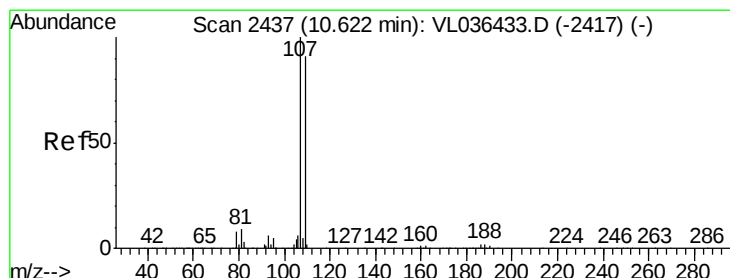
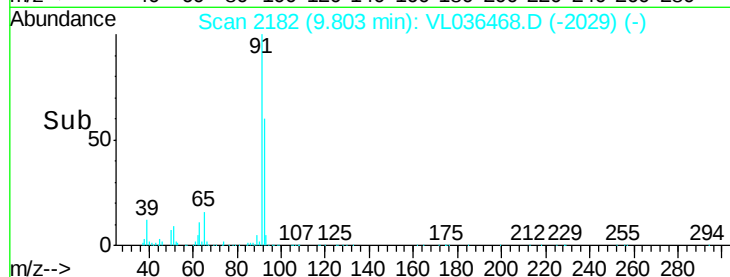
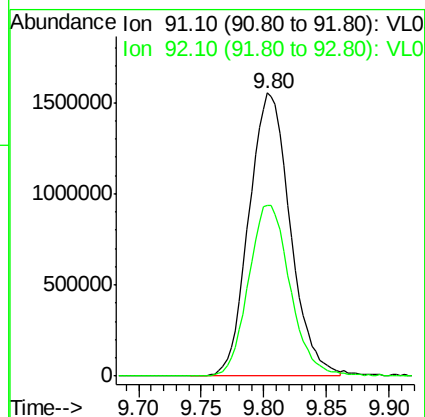
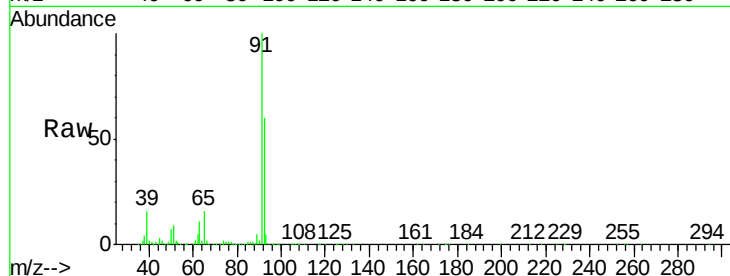
Acq: 24 Mar 2021 16:36

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

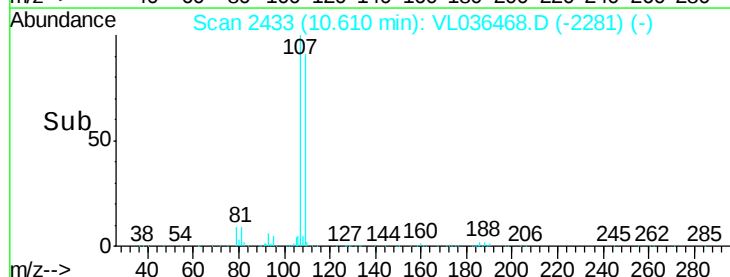
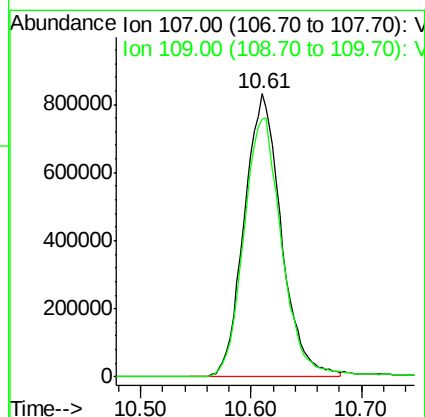
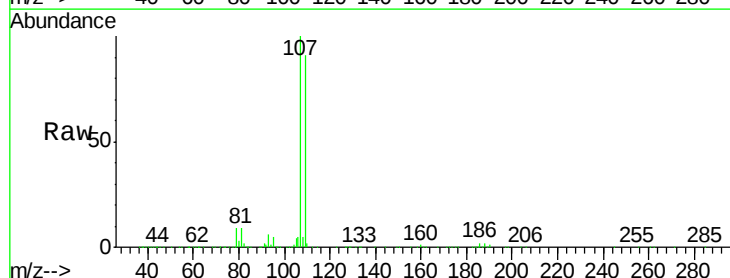
Acq: 24 Mar 2021 16:36

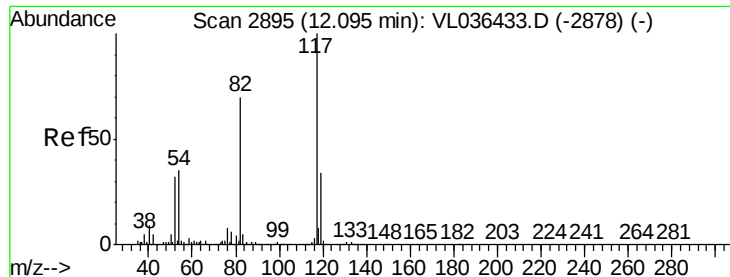
Tgt Ion: 107 Resp: 1934940

Ion Ratio Lower Upper

107 100

109 91.2 73.0 109.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.09 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 16:36

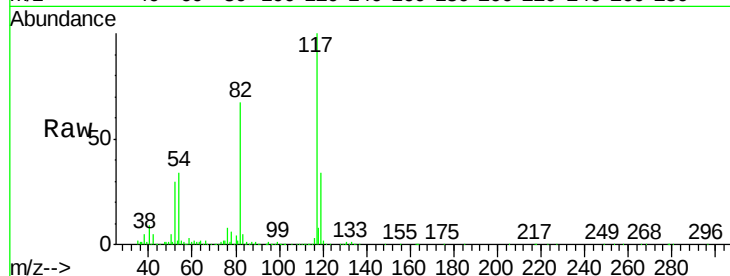
Tot Ion:117 Resp: 3755195

Ion Ratio Lower Upper

117 100

82 67.6 56.5 84.7

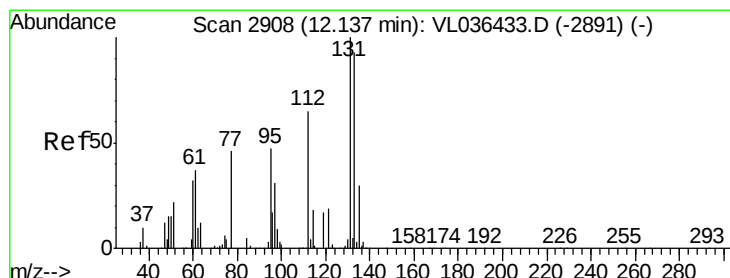
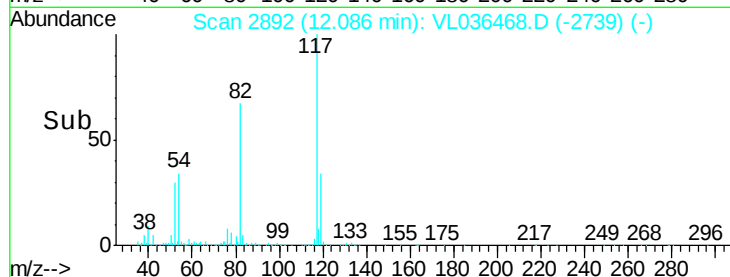
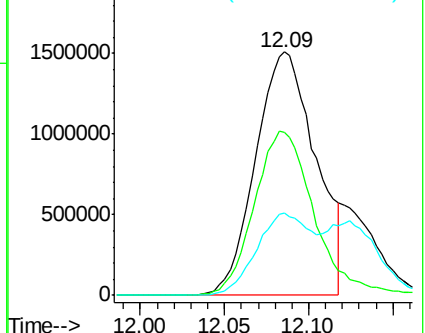
119 30.2 27.0 40.4



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.648 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL036468.D

Acq: 24 Mar 2021 16:36

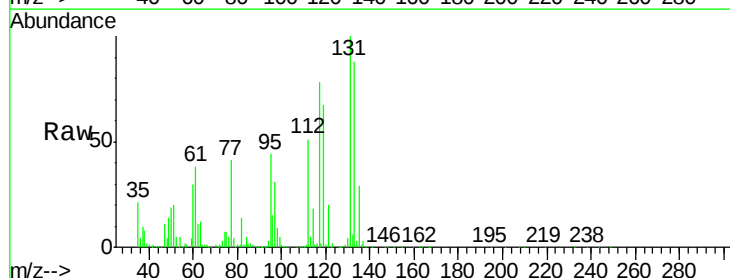
Tgt Ion:131 Resp: 1605567

Ion Ratio Lower Upper

131 100

133 94.9 76.4 114.6

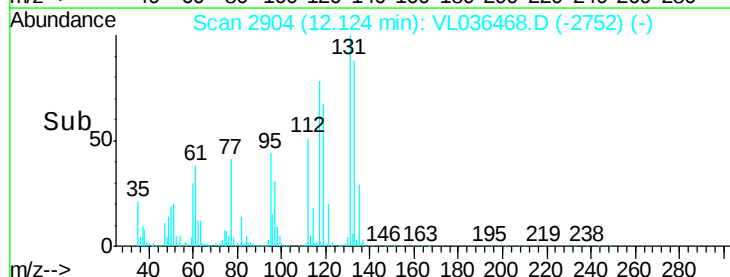
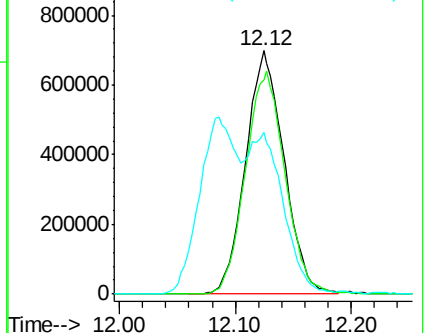
119 135.5 112.8 169.2

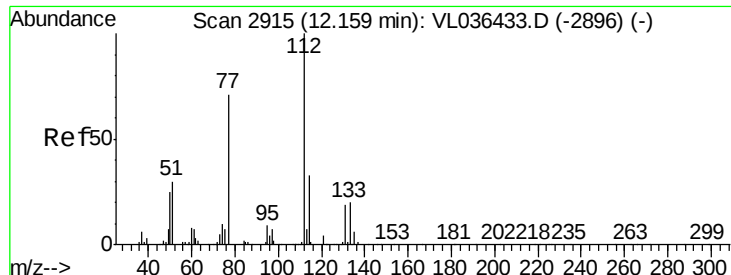


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

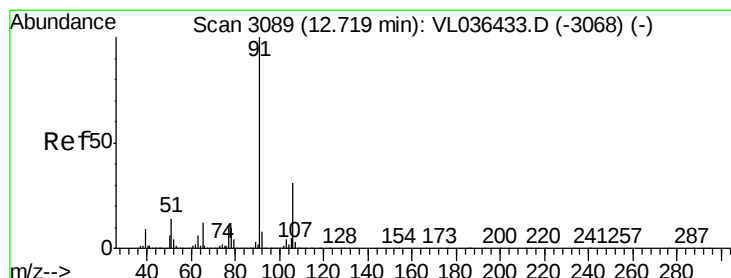
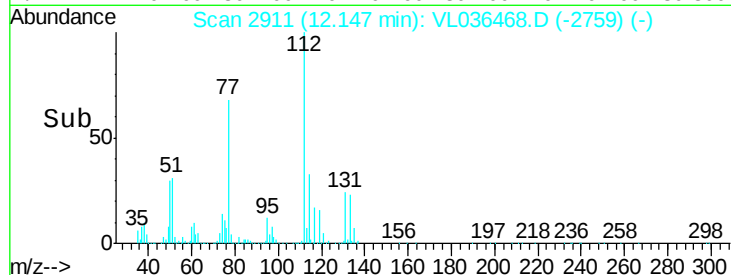
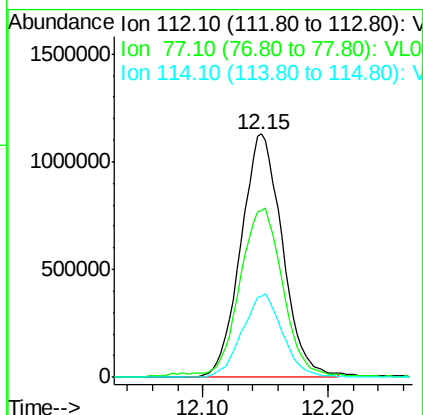
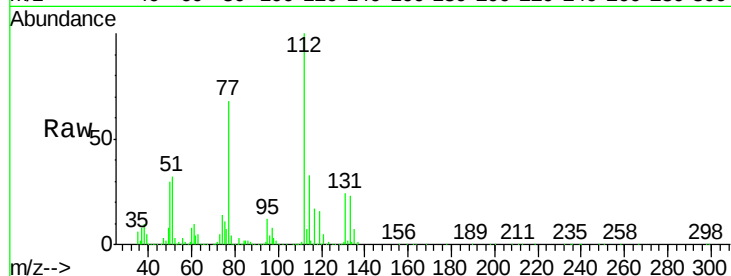
Ion 119.00 (118.70 to 119.70): V





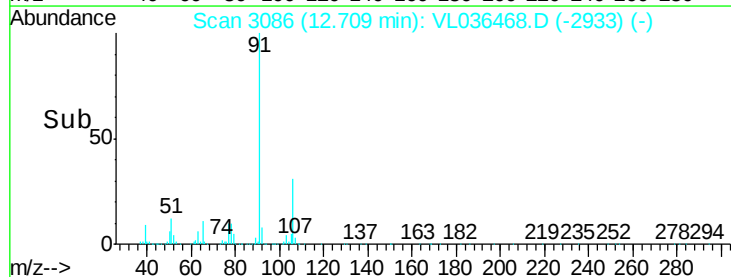
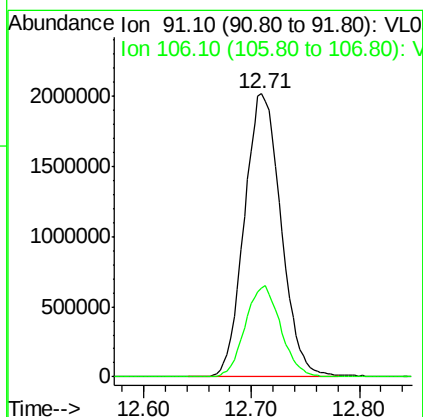
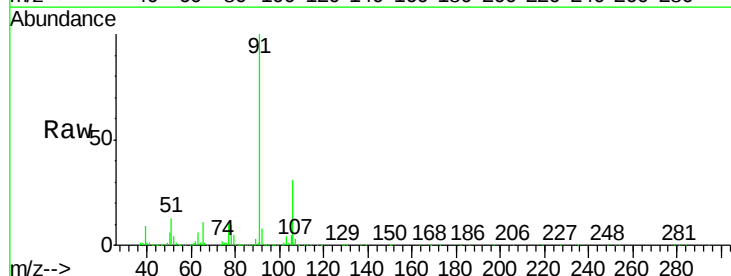
#57
Chlorobenzene
Concen: 9.550 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 16:36

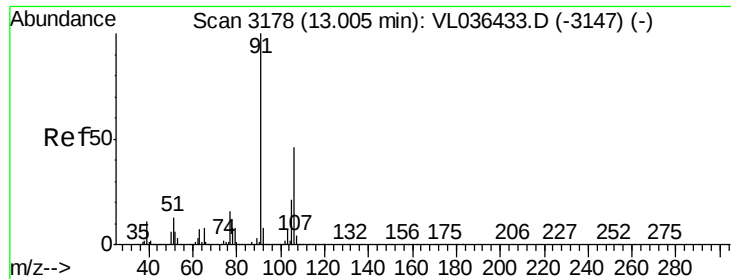
Tot Ion: 112 Resp: 2590268
Ion Ratio Lower Upper
112 100
77 67.2 57.6 86.4
114 33.2 29.5 36.1



#58
Ethyl Benzene
Concen: 10.249 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

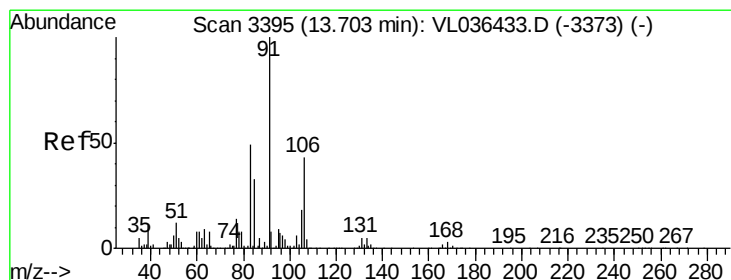
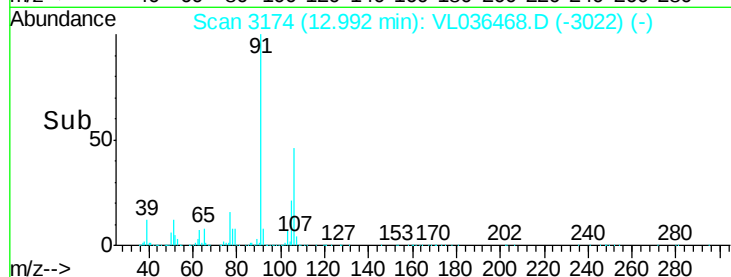
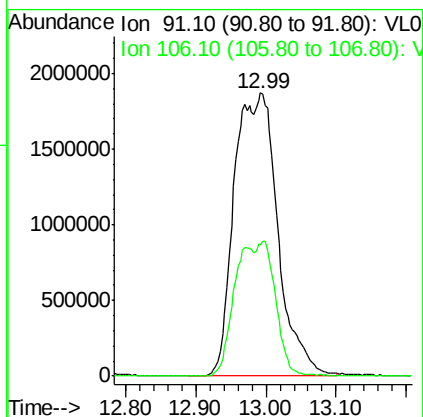
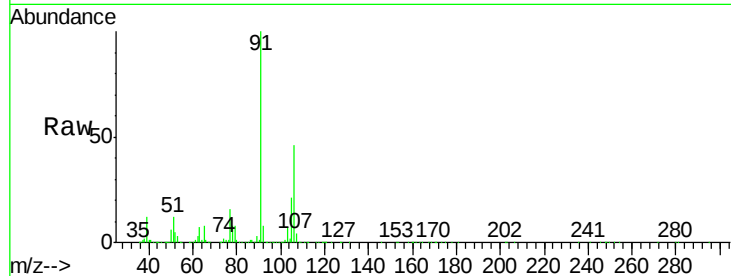
Tgt Ion: 91 Resp: 4782171
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2





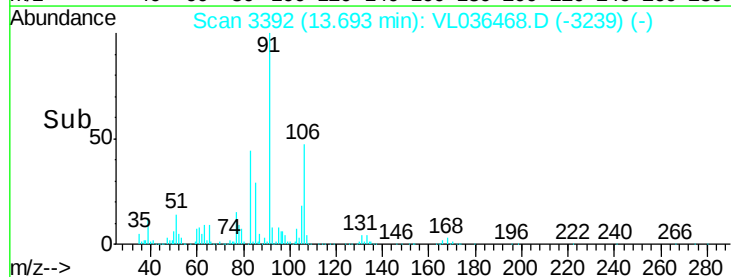
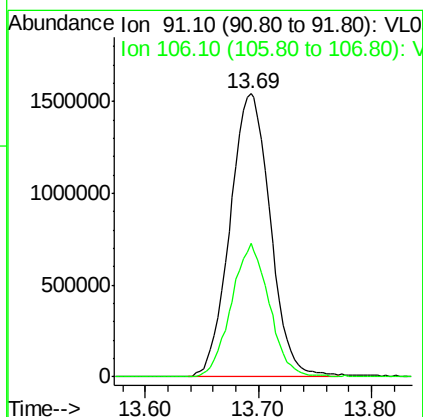
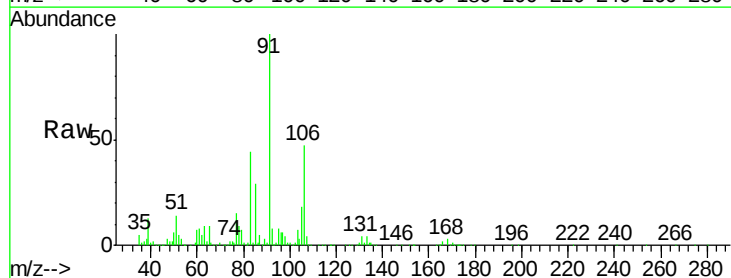
#59
m/p-Xylene
Concen: 19.587 ppbv m
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 16:36

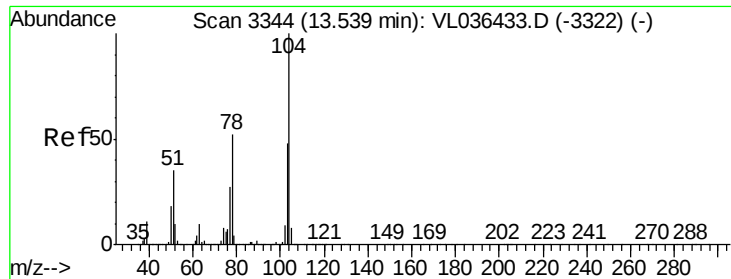
Tot Ion: 91 Resp: 8080340
Ion Ratio Lower Upper
91 100
106 44.0 35.0 52.4



#60
o-Xylene
Concen: 9.531 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: 11.466 ppbv

RT: 13.53

Delta R.T. MSVOA_L

Lab File:

Acq: 24 Mar 2021 16:36

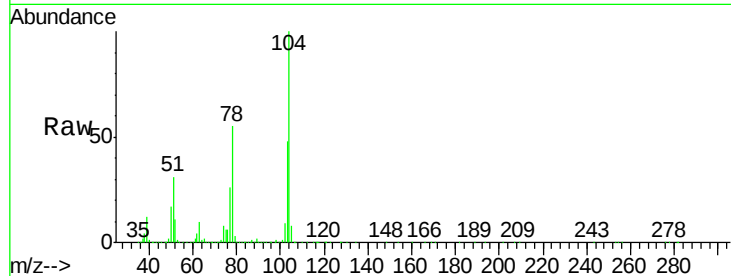
Tot Ion:104 Resp: 2763356

Ion Ratio Lower Upper

104 100

78 55.4 44.2 66.4

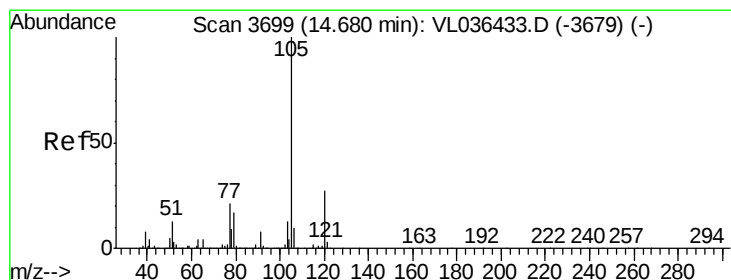
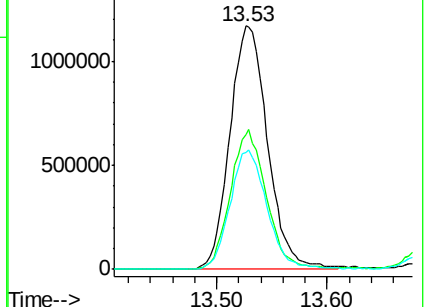
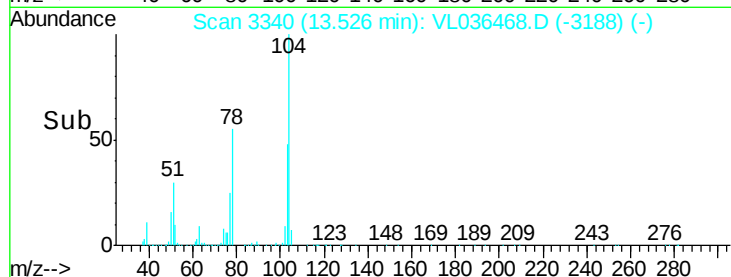
103 48.2 38.6 57.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.590 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL036468.D

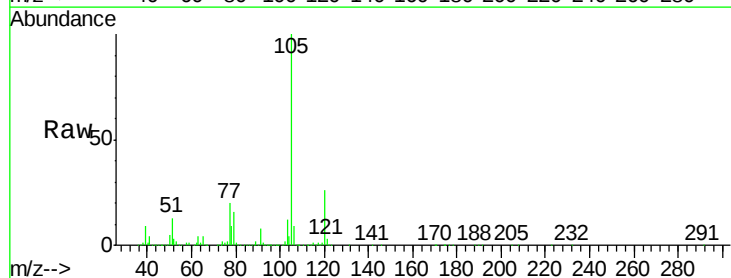
Acq: 24 Mar 2021 16:36

Tgt Ion:105 Resp: 5730644

Ion Ratio Lower Upper

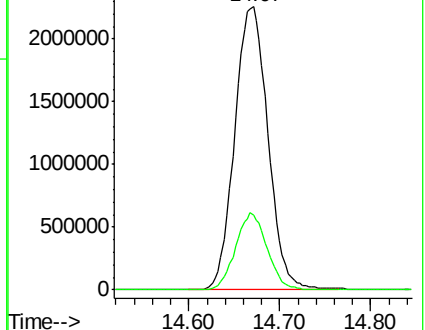
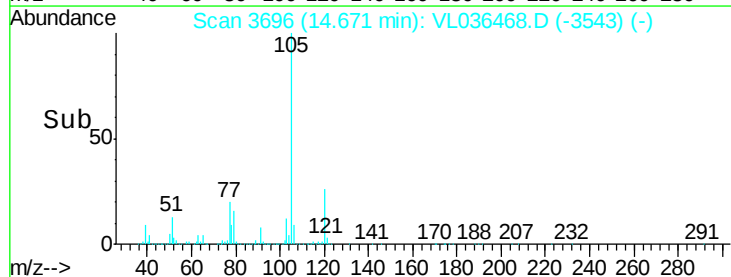
105 100

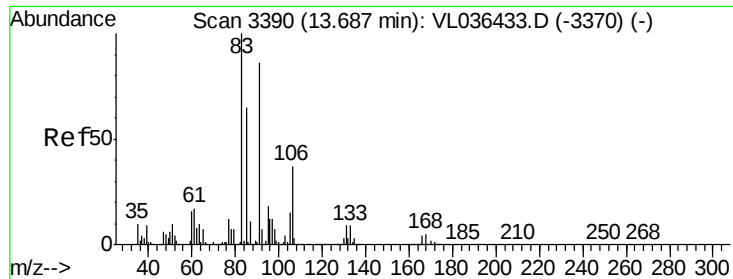
120 26.0 20.9 31.3



Abundance Ion 105.10 (104.80 to 105.80): V

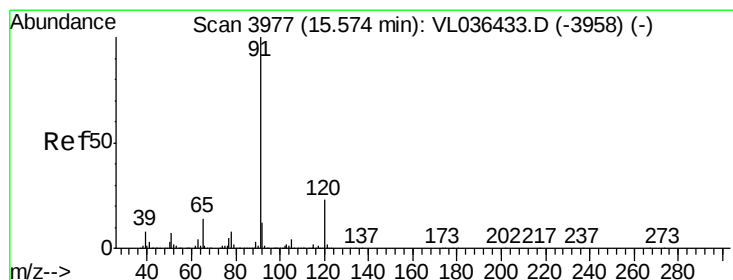
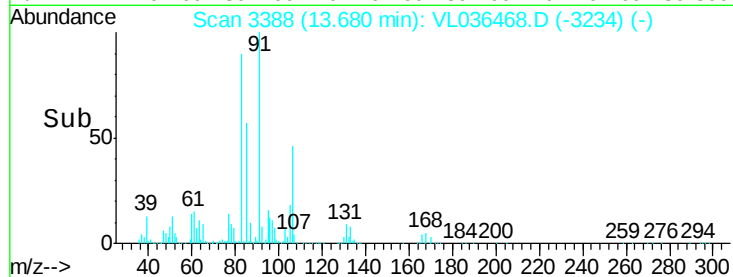
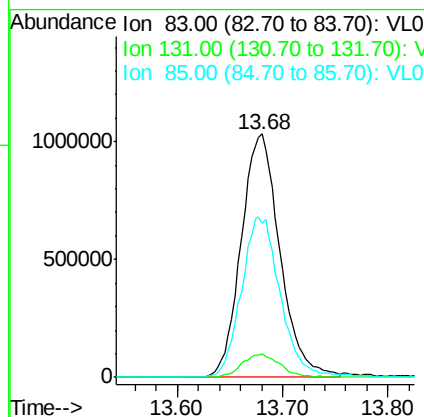
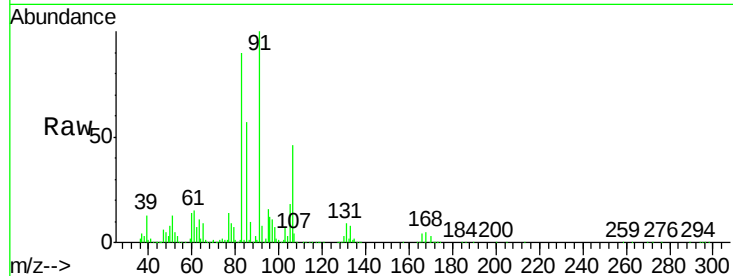
Ion 120.20 (119.90 to 120.90): V





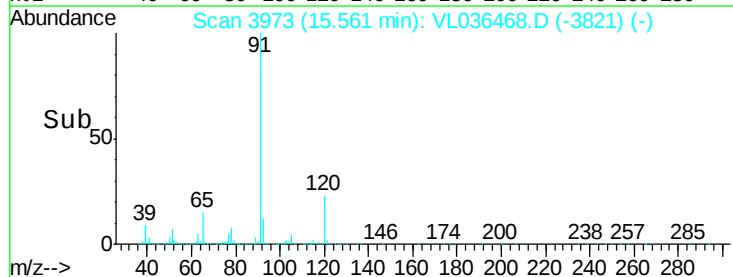
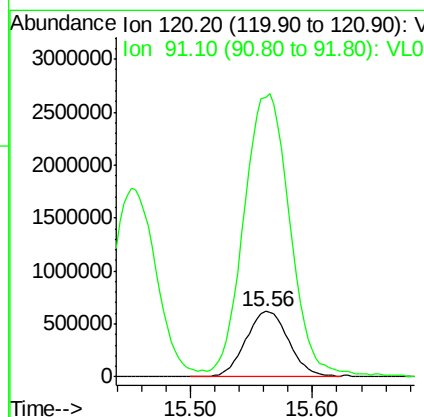
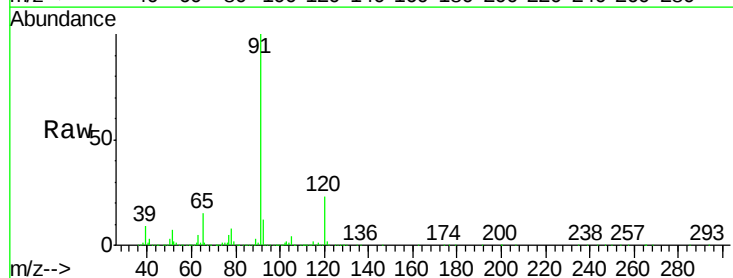
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.512 ppbv
 RT: 13.68 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2021 16:36

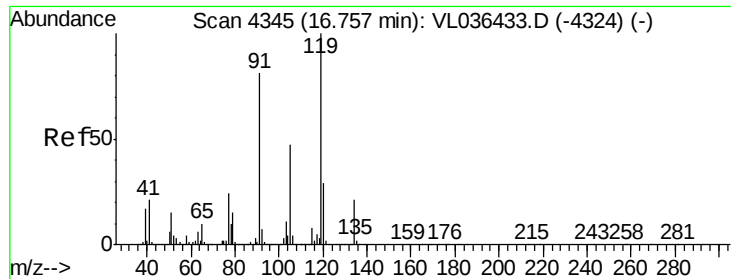
Tot Ion: 83 Resp: 2637534
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.5 13.7
 85 66.7 32.9 98.6



#64
 n-propylbenzene
 Concen: 10.155 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

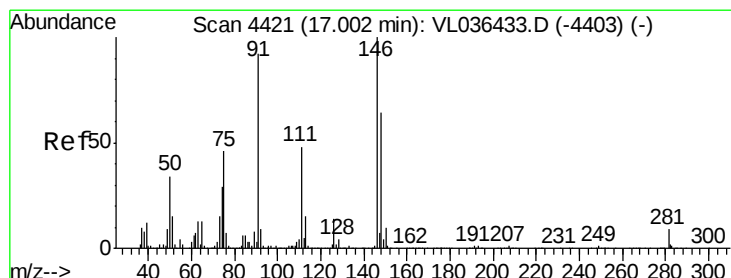
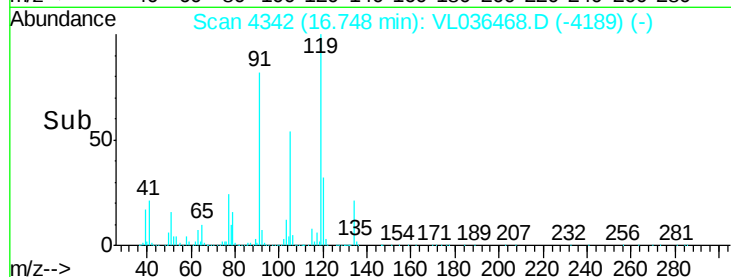
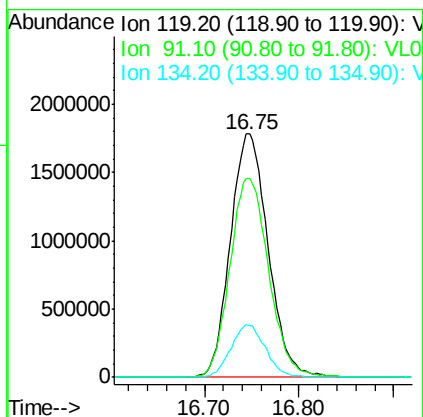
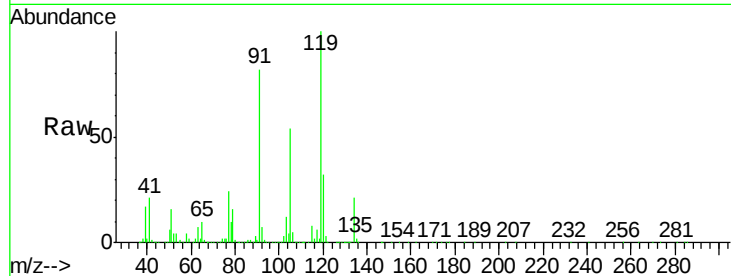
Tgt Ion: 120 Resp: 1515754
 Ion Ratio Lower Upper
 120 100
 91 464.0 378.6 567.8





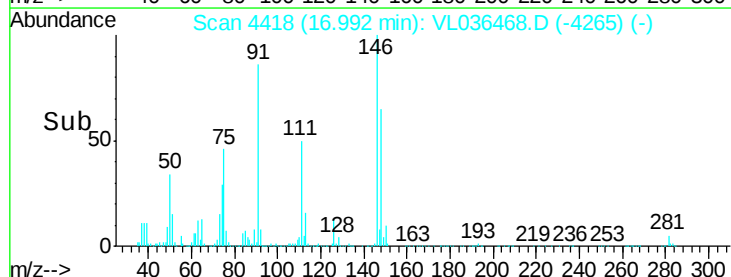
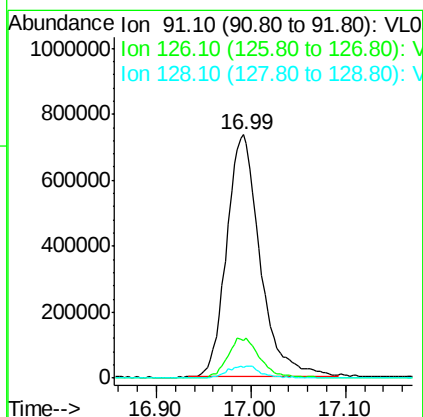
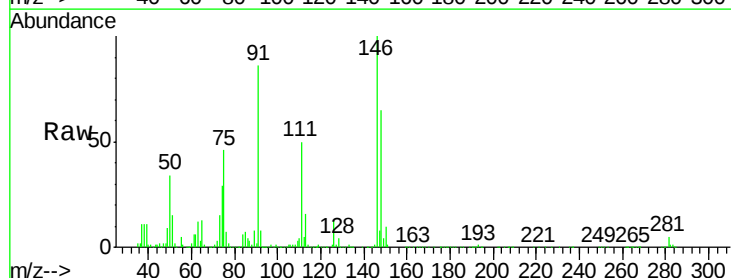
#65
 tert-Butylbenzene
 Concen: 9.494 ppbv
 RT: 16.75 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 16:36

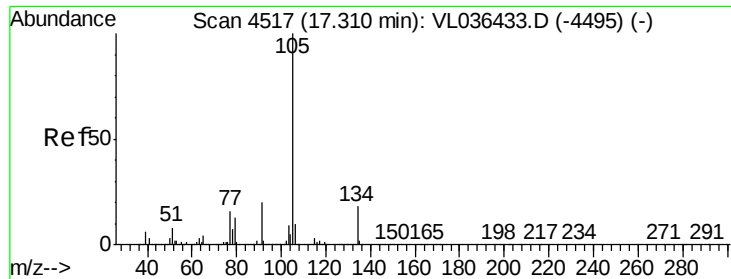
Tot Ion: 119 Resp: 4935576
 Ion Ratio Lower Upper
 119 100
 91 84.4 67.9 101.9
 134 20.1 16.0 24.0



#66
 Benzyl Chloride
 Concen: 12.467 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T.: -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

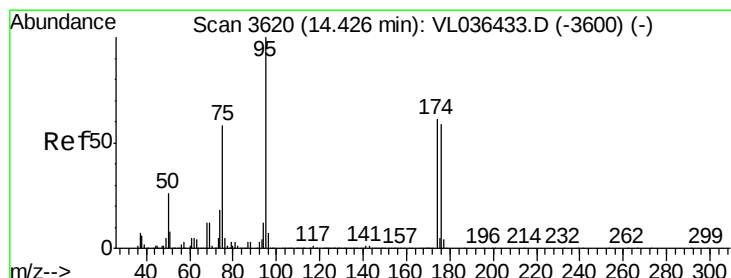
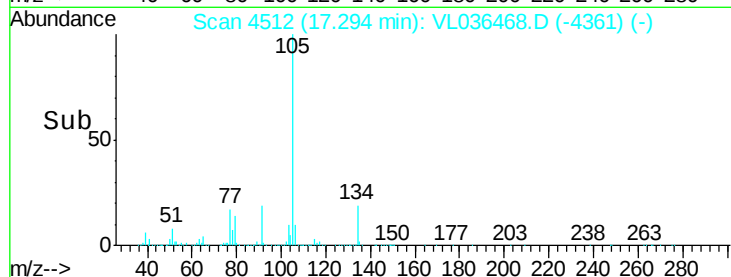
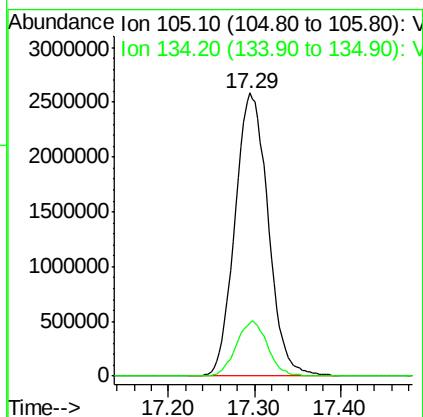
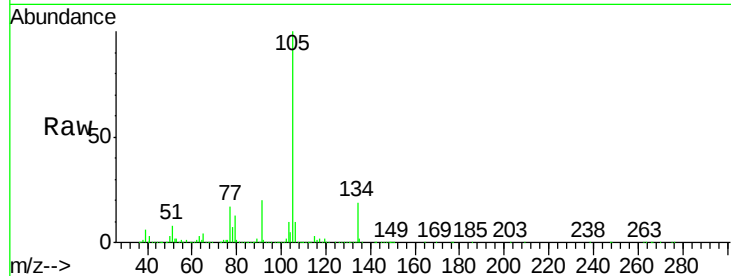
Tgt Ion: 91 Resp: 1809424
 Ion Ratio Lower Upper
 91 100
 126 16.3 12.9 19.3
 128 5.2 4.0 6.0





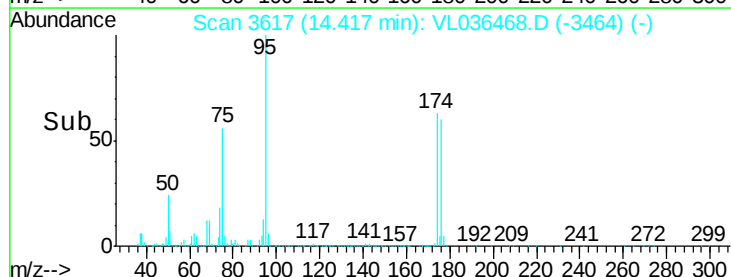
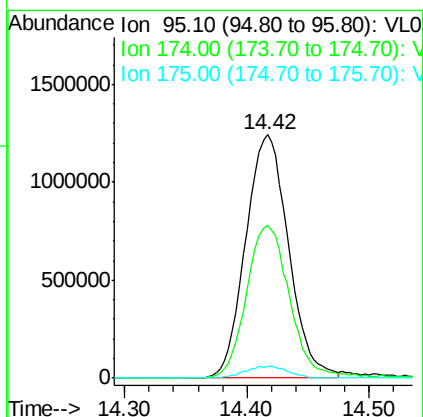
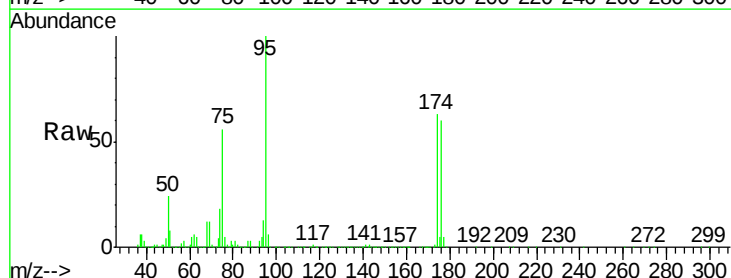
#67
 sec-Butylbenzene
 Concen: 9.523 ppbv
 RT: 17.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 16:36

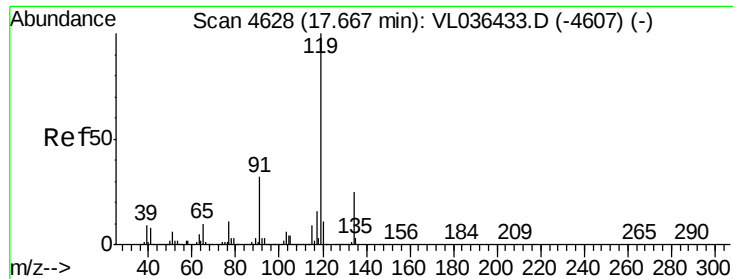
Tot Ion: 105 Resp: 6913823
 Ion Ratio Lower Upper
 105 100
 134 18.6 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.782 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

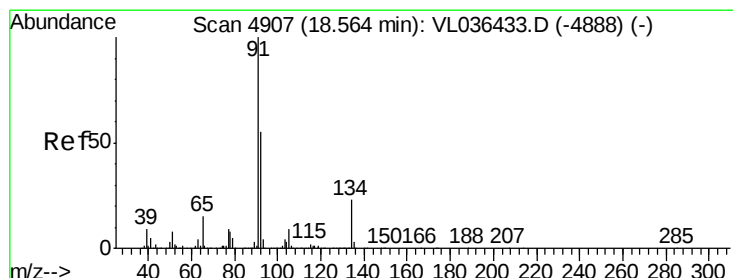
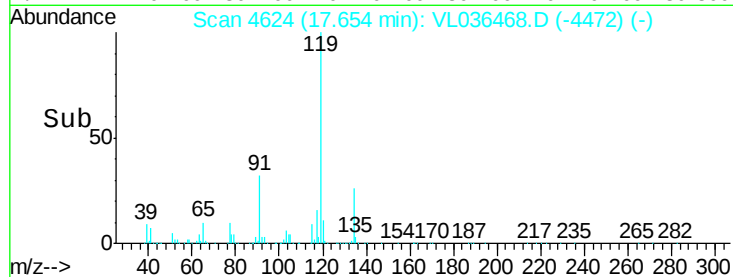
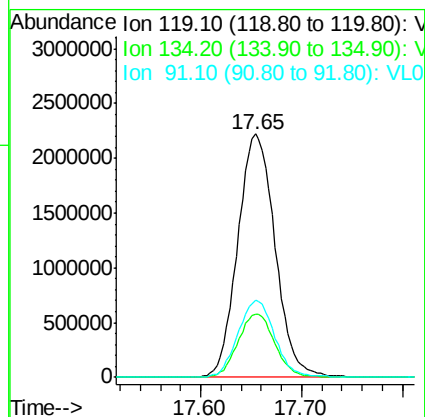
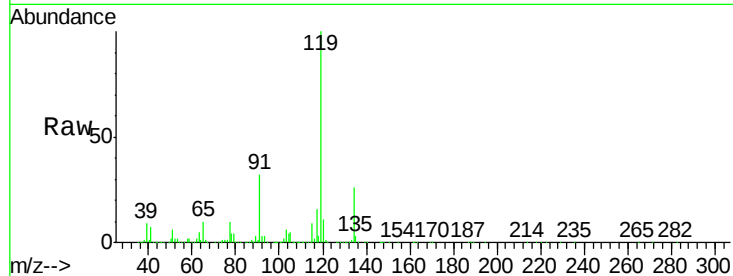
Tgt Ion: 95 Resp: 3020877
 Ion Ratio Lower Upper
 95 100
 174 64.1 51.0 76.4
 175 5.0 3.8 5.6





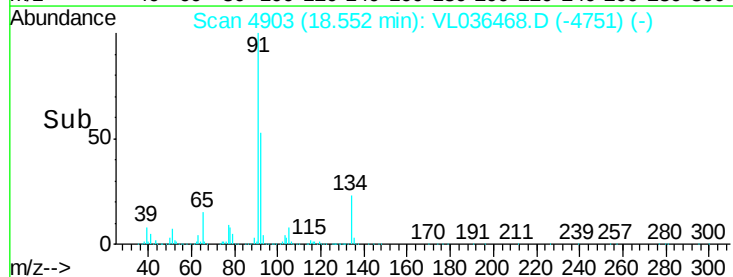
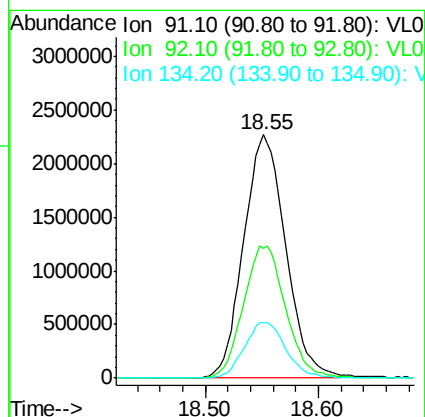
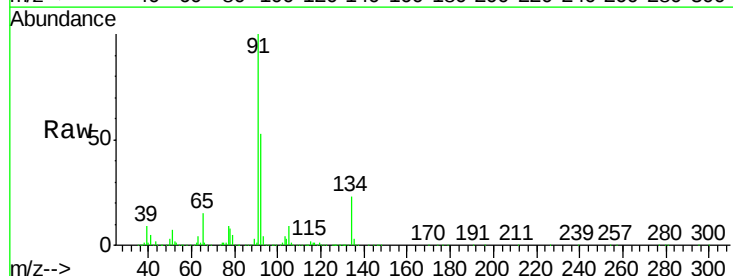
#69
 p-Isopropyltoluene
 Concen: 9.818 ppbv
 RT: 17.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2021 16:36

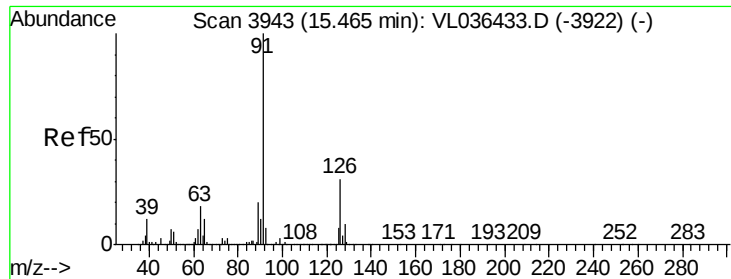
Tot Ion:	119	Resp:	5703520
Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	31.1	25.3	37.9



#70
 n-Butylbenzene
 Concen: 9.720 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

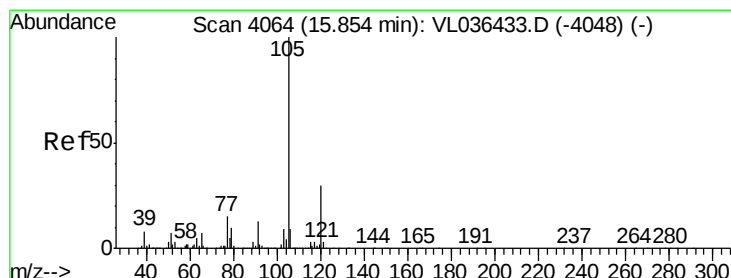
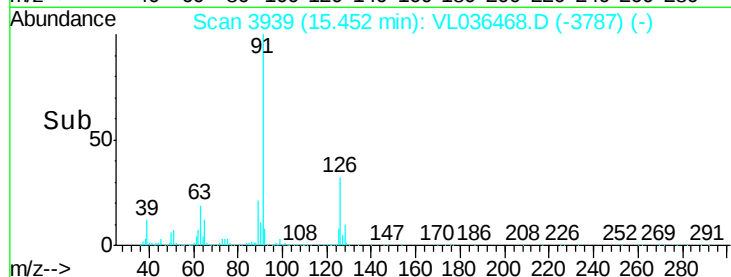
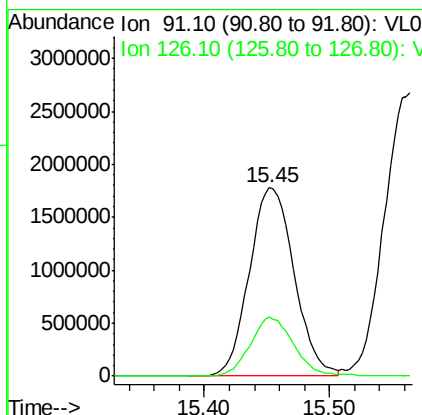
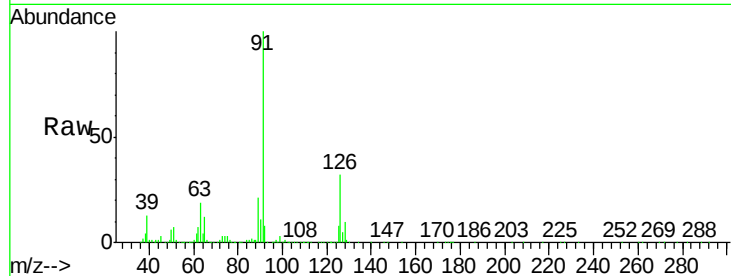
Tgt Ion:	91	Resp:	5836588
Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.1	66.1
134	22.8	17.9	26.9





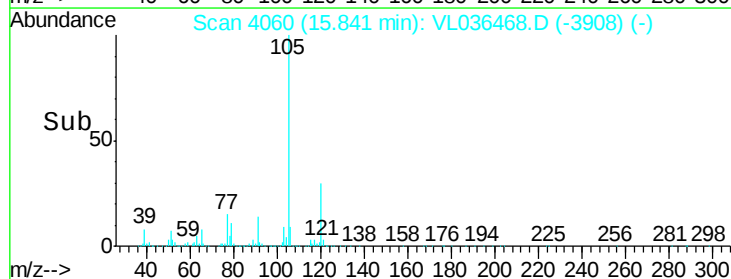
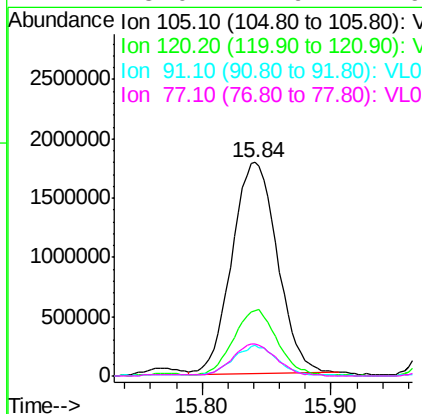
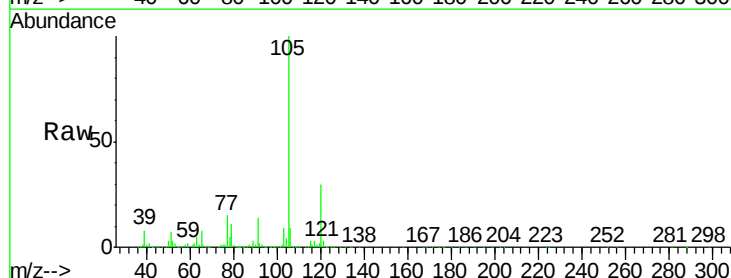
#71
 2-Chlorotoluene
 Concen: 9.853 ppbv
 RT: 15.45 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 16:36

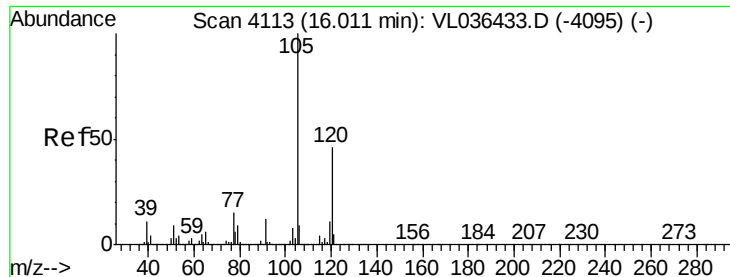
Tot Ion: 91 Resp: 4428950
 Ion Ratio Lower Upper
 91 100
 126 30.5 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 10.174 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: 9.963 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

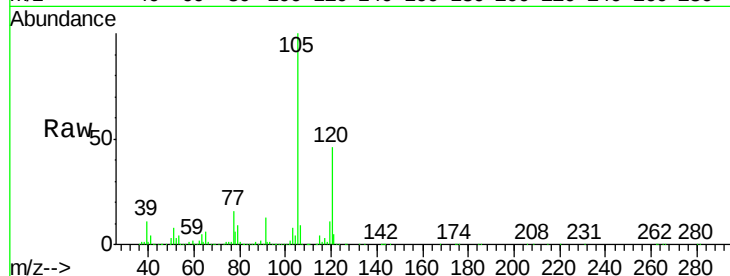
Acq: 24 Mar 2021 16:36

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

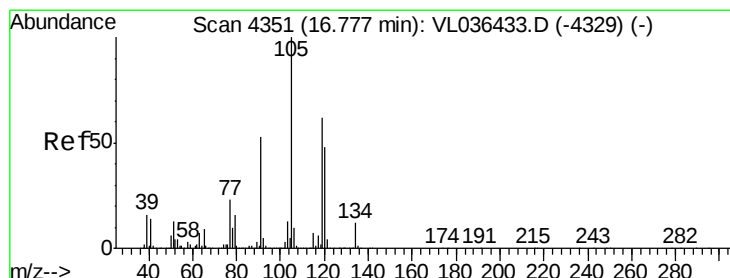
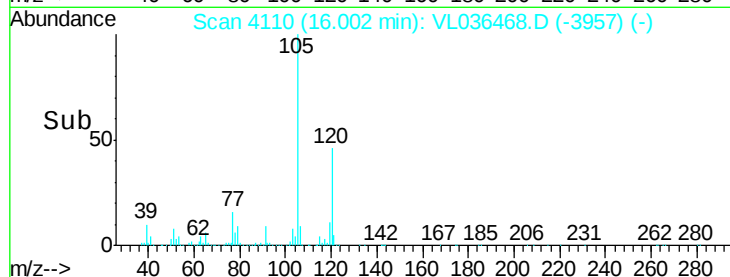
0

16.00

15.90

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.551 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

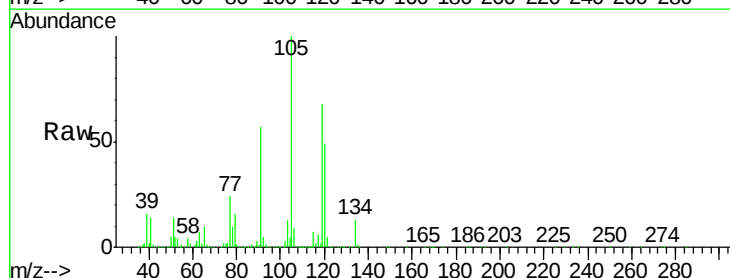
Ion Ratio Lower Upper

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

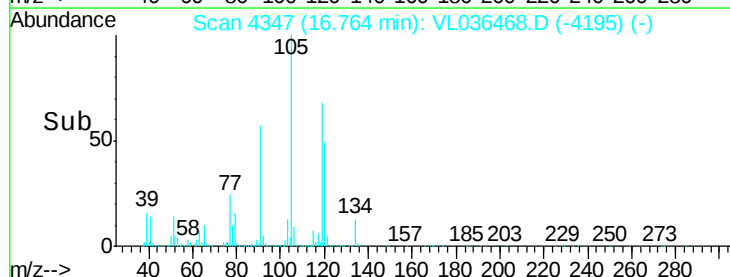
16.76

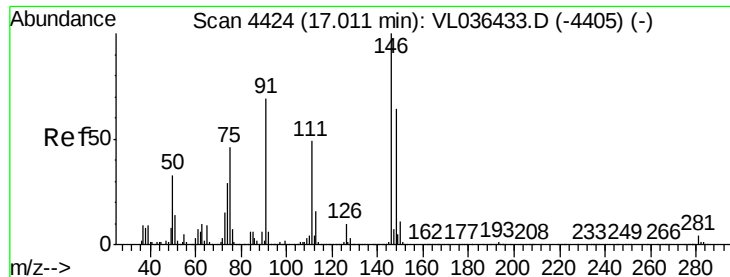
16.70

16.80

16.90

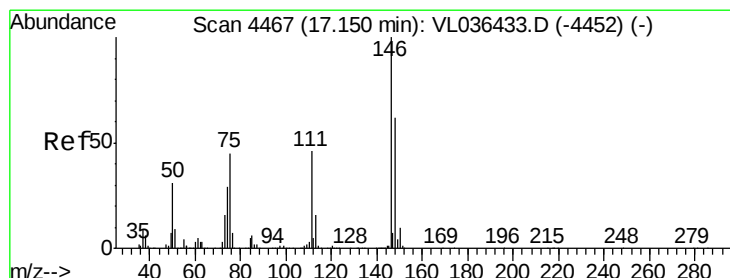
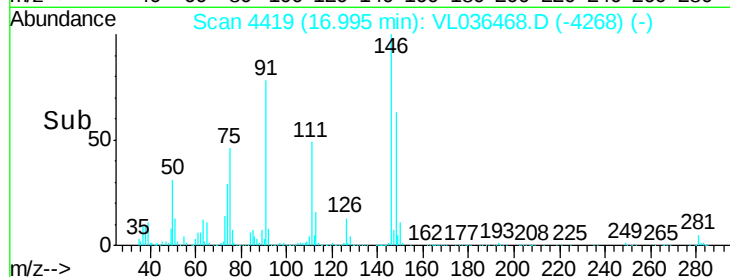
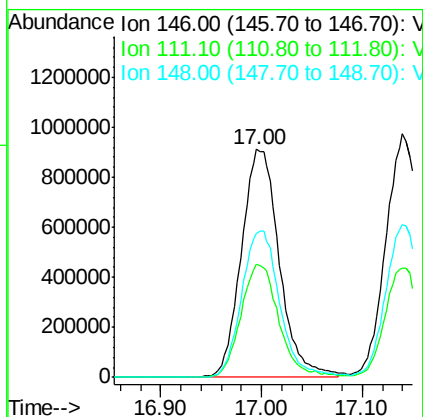
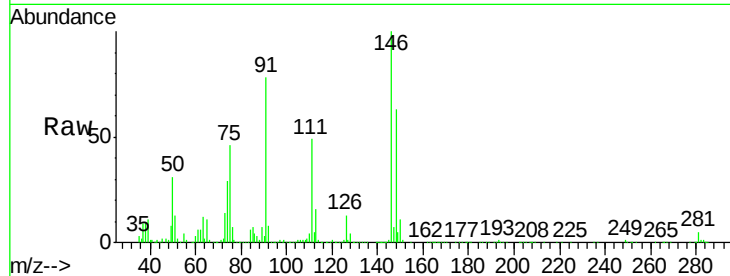
Time-->





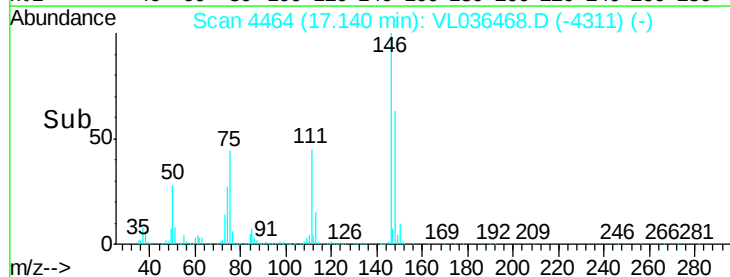
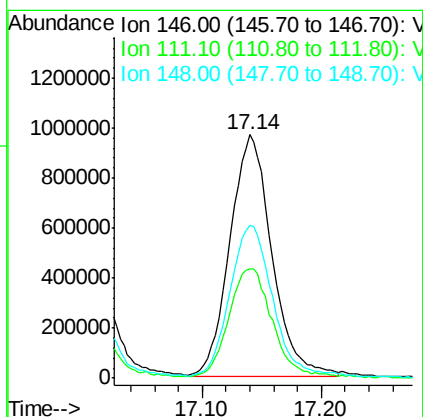
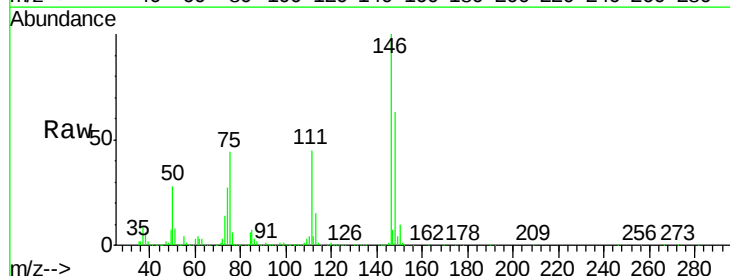
#75
 1,3-Dichlorobenzene
 Concen: 9.649 ppbv
 RT: 17.00 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 16:36

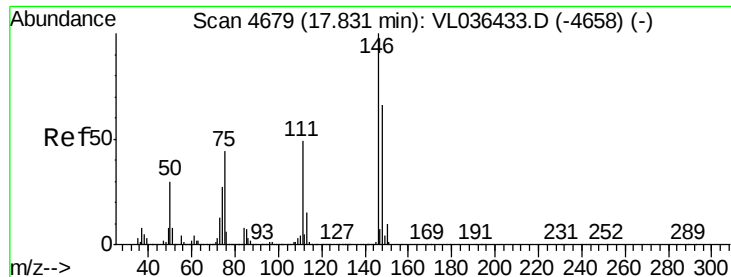
Tot Ion:146 Resp: 2375974
 Ion Ratio Lower Upper
 146 100
 111 49.6 24.5 73.5
 148 64.7 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 9.599 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. -0.01 min
 Lab File: VL036468.D
 Acq: 24 Mar 2021 16:36

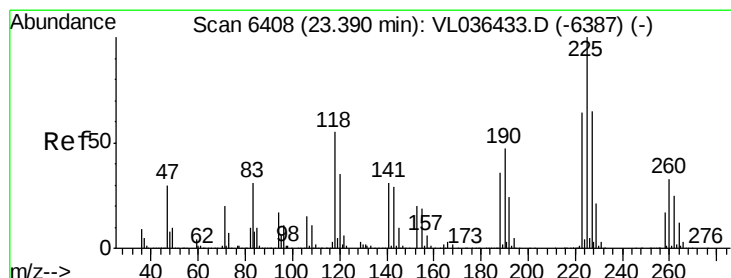
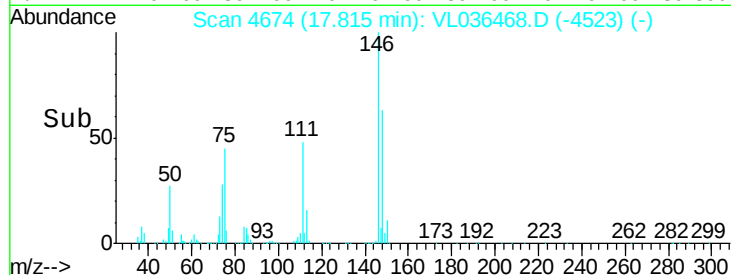
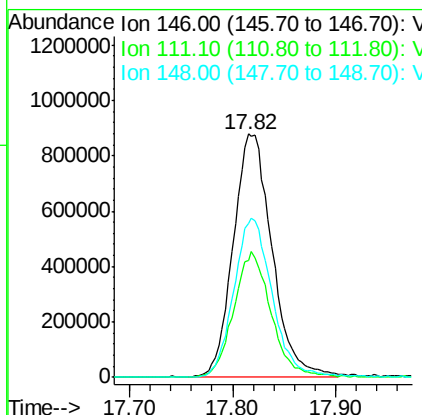
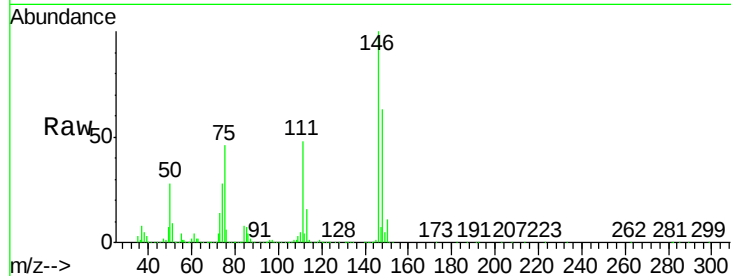
Tgt Ion:146 Resp: 2361907
 Ion Ratio Lower Upper
 146 100
 111 47.7 24.5 73.5
 148 65.9 33.1 99.2





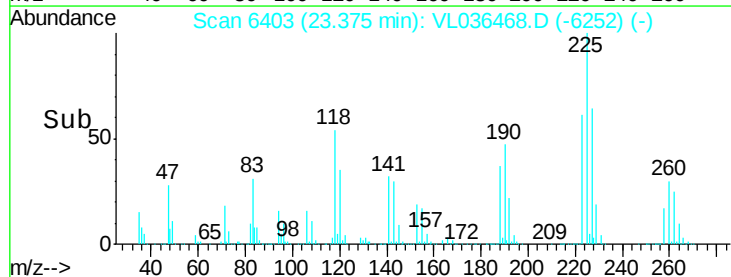
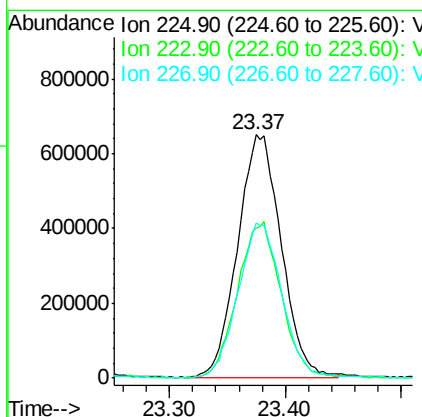
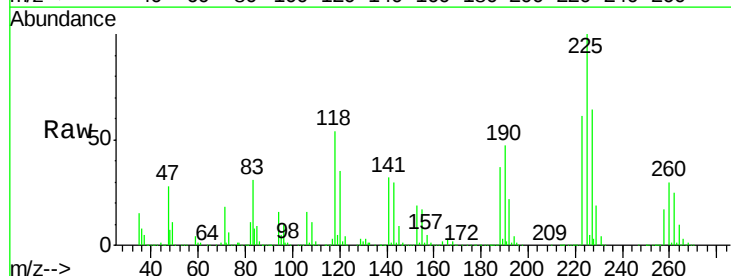
#77
 1,2-Dichlorobenzene
 Concen: 9.506 ppbv
 RT: 17.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2021 16:36

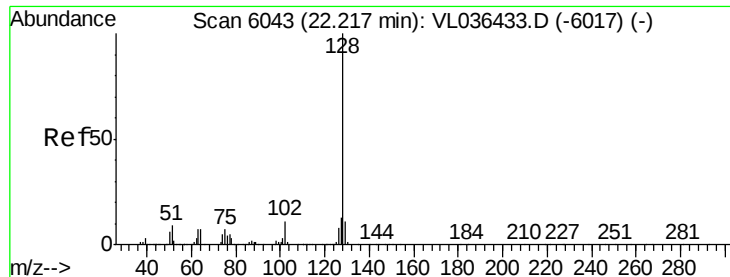
Tot Ion:146 Resp: 2291684
 Ion Ratio Lower Upper
 146 100
 111 50.2 25.4 76.2
 148 65.0 32.0 96.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.807 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

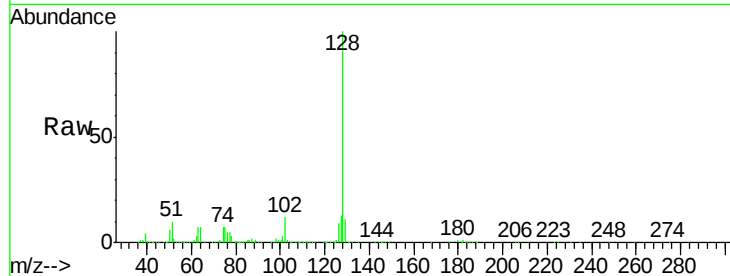




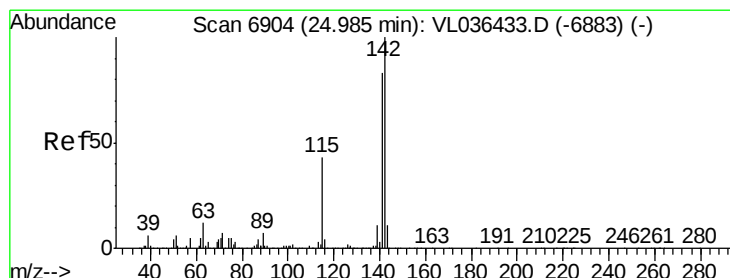
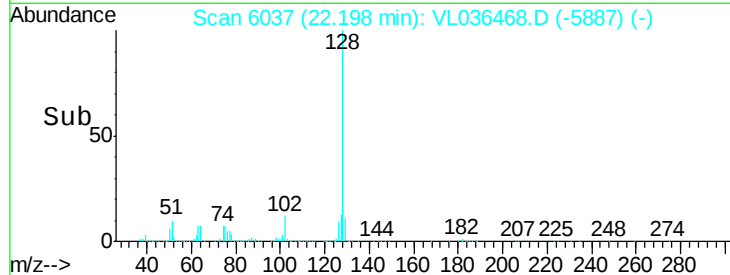
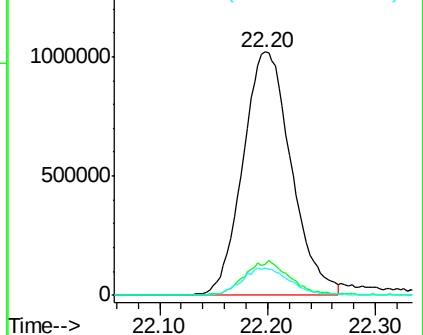
#79
Naphthalene
Concen: 12.206 ppbv
RT: 22.20
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 16:36

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



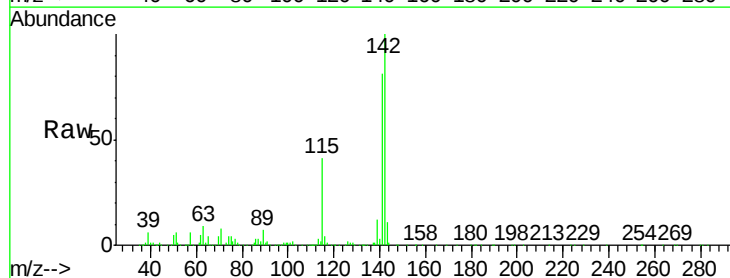
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



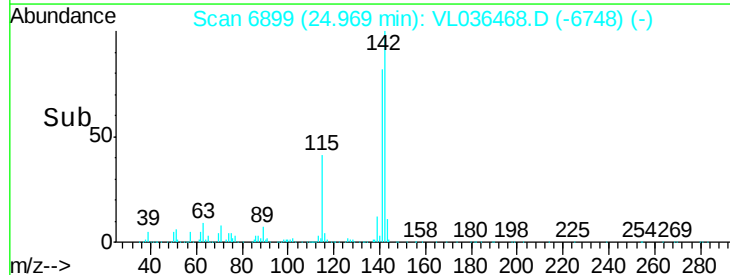
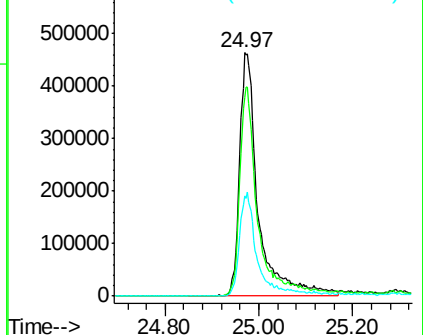
#80
Naphthalene, 2-methyl-
Concen: 22.894 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. -0.02 min
Lab File: VL036468.D
Acq: 24 Mar 2021 16:36

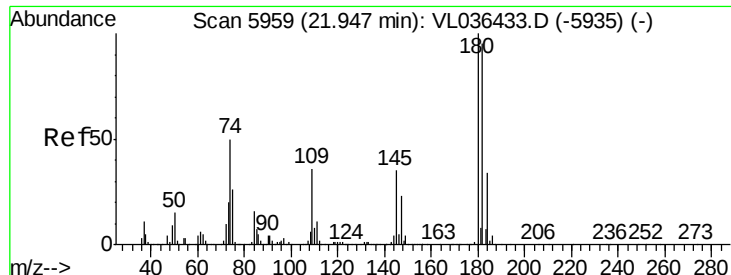
Tgt Ion:142 Resp: 1285664

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: 11.392 ppbv

RT: 21.93

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2021 10:30

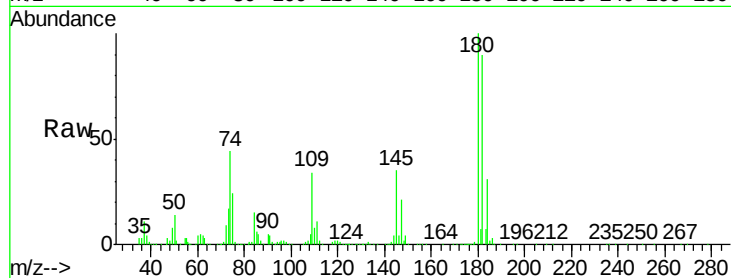
Tot Ion:180 Resp: 1700681

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

