

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038531.D
 Acq On : 4 Mar 2022 2:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 04:35:34 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	847474	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	2012455	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.04	117	2000923	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1780976	10.76	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.03	85	2043282	15.222	ppbv	97
3) Chlorodifluoromethane	2.97	51	1685303	11.262	ppbv	98
4) Chloromethane	3.12	50	590545	11.357	ppbv	99
5) Vinyl Chloride	3.24	62	590975	10.872	ppbv	96
6) Bromomethane	3.45	94	325523	11.353	ppbv	100
7) Chloroethane	3.54	64	208648	11.951	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1513686	12.123	ppbv	95
9) Propene	2.99	41	536532	10.859	ppbv	98
10) Heptane	8.09	43	1451657	12.069	ppbv	99
11) Trichlorofluoromethane	3.93	101	1521480	11.839	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1128850	11.981	ppbv	98
13) Ethanol	3.58	45	23581	4.782	ppbv #	51
14) Bromoethene	3.72	108	445117	11.859	ppbv	99
15) Acetone	3.83	43	756502	10.497	ppbv	99
16) 1,3-Butadiene	3.31	39	562407	11.683	ppbv	95
17) tert-Butyl alcohol	4.26	59	727813	10.122	ppbv	99
18) 1,1-Dichloroethene	4.26	96	478753	11.574	ppbv	97
19) Isopropyl Alcohol	3.94	45	392390	9.402	ppbv #	99
20) Methylene Chloride	4.32	84	395635	11.080	ppbv	97
21) Allyl Chloride	4.38	41	713011	11.714	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	504565	12.089	ppbv	98
23) Vinyl Acetate	5.04	43	1067133	11.173	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1022776	11.911	ppbv	98
25) Ethyl Acetate	5.65	43	2288622	11.820	ppbv	99
26) Hexane	5.65	57	1022643	11.663	ppbv	99
27) Carbon Disulfide	4.52	76	1232213	12.634	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	1028037	11.511	ppbv	99
29) Chloroform	5.72	83	1692561	11.827	ppbv	97
30) Cyclohexane	7.10	84	853357	11.900	ppbv	98
31) cis-1,2-Dichloroethene	5.52	61	1025787	12.075	ppbv	98
32) 1,1,1-Trichloroethane	6.47	97	1658091	11.521	ppbv	99
34) 2-Butanone	5.21	43	787002	12.434	ppbv	98
35) Carbon Tetrachloride	6.98	117	1751187	12.375	ppbv	98
36) Benzene	6.85	78	2066995	11.667	ppbv	98
37) 1,2-Dichloroethane	6.27	62	1277746	12.481	ppbv	99
38) Trichloroethene	7.80	130	759327	11.767	ppbv	97
39) 1,2-Dichloropropane	7.57	63	832431	11.796	ppbv	98
40) 1,4-Dioxane	7.80	88	106244	6.348	ppbv #	1
41) Tetrahydrofuran	6.02	42	516400	12.075	ppbv	99
42) Bromodichloromethane	7.75	83	1834208	12.407	ppbv	99
43) Methyl Methacrylate	7.98	69	787418	12.785	ppbv	98

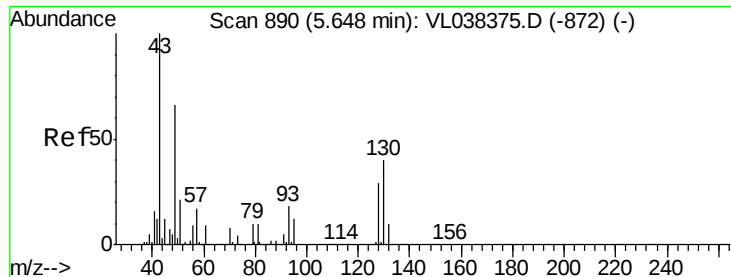
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
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 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3644390	11.968	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	609020	12.373	ppbv	98
46) cis-1,3-Dichloropropene	8.66	75	755693	11.714	ppbv	99
47) 1,1,2-Trichloroethane	9.44	97	853963	12.164	ppbv	97
48) Dibromochloromethane	10.26	129	1491053	12.989	ppbv	100
49) Bromoform	13.00	173	1167310	13.776	ppbv	98
50) 4-Methyl-2-Pentanone	8.70	43	1476109	13.191	ppbv	100
51) 2-Hexanone	10.10	43	660255	13.179	ppbv #	98
52) Tetrachloroethene	11.18	164	654521	11.129	ppbv	98
53) Toluene	9.76	91	2388344	12.416	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1239416	12.541	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.09	131	994446	11.924	ppbv	94
57) Chlorobenzene	12.10	112	1722776	11.159	ppbv	96
58) Ethyl Benzene	12.67	91	3286927	12.013	ppbv	99
59) m/p-Xylene	12.95	91	3300287	14.044	ppbv #	56
60) o-Xylene	13.65	91	2712258	12.210	ppbv	99
61) Styrene	13.48	104	1341364	13.092	ppbv	99
62) Isopropylbenzene	14.62	105	3566122	11.961	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.64	83	2015175	11.165	ppbv	99
64) n-propylbenzene	15.52	120	896830	12.149	ppbv	95
65) tert-Butylbenzene	16.70	119	3117249	12.071	ppbv	98
66) Benzyl Chloride	16.94	91	169965	12.181	ppbv	99
67) sec-Butylbenzene	17.25	105	4446396	12.153	ppbv	99
69) p-Isopropyltoluene	17.61	119	3575782	12.442	ppbv	99
70) n-Butylbenzene	18.51	91	3878725	13.042	ppbv	99
71) 2-Chlorotoluene	15.41	91	2805609	12.238	ppbv	98
72) 4-Ethyltoluene	15.80	105	3110024	12.707	ppbv	99
73) 1,3,5-Trimethylbenzene	15.95	105	2788711	12.547	ppbv	98
74) 1,2,4-Trimethylbenzene	16.72	105	2923227	12.457	ppbv	99
75) 1,3-Dichlorobenzene	16.95	146	1578134	12.007	ppbv	99
76) 1,4-Dichlorobenzene	17.10	146	1515670	11.694	ppbv	99
77) 1,2-Dichlorobenzene	17.77	146	1492679	11.798	ppbv	99
78) Hexachloro-1,3-Butadiene	23.33	225	1108902	11.493	ppbv	100
79) Naphthalene	22.14	128	1914244	15.055	ppbv	99
80) Naphthalene, 2-methyl-	24.93	142	280940	11.306	ppbv	97
81) 1,2,4-Trichlorobenzene	21.87	180	1080076	14.050	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 2:19

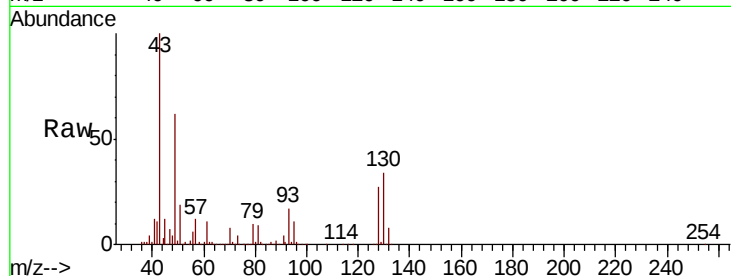
Tot Ion: 49 Resp: 847474

Ion Ratio Lower Upper

49 100

128 47.4 24.3 72.9

130 59.0 30.1 90.5



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

5.63

400000

300000

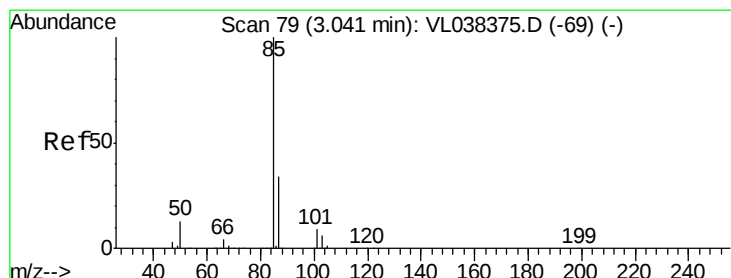
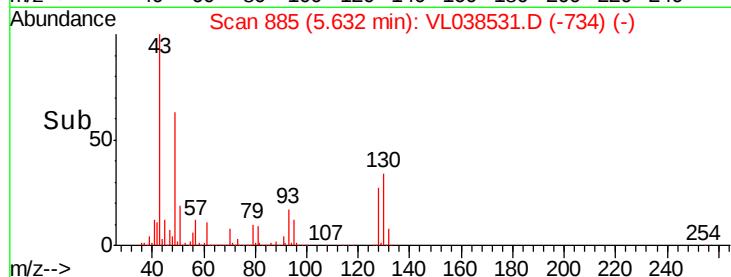
200000

100000

0

Time-->

5.55 5.60 5.65 5.70



#2

Dichlorodifluoromethane

Concen: 15.222 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL038531.D

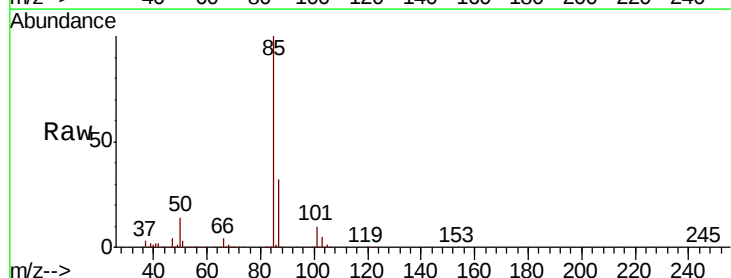
Acq: 4 Mar 2022 2:19

Tgt Ion: 85 Resp: 2043282

Ion Ratio Lower Upper

85 100

87 32.4 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.03

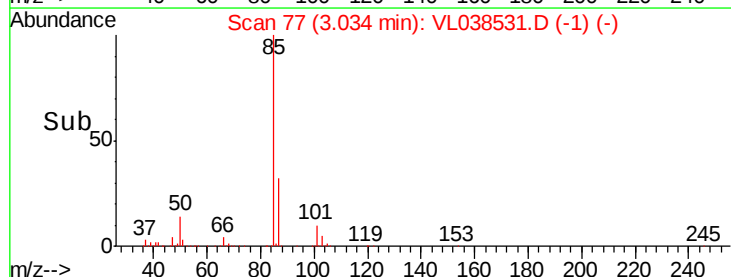
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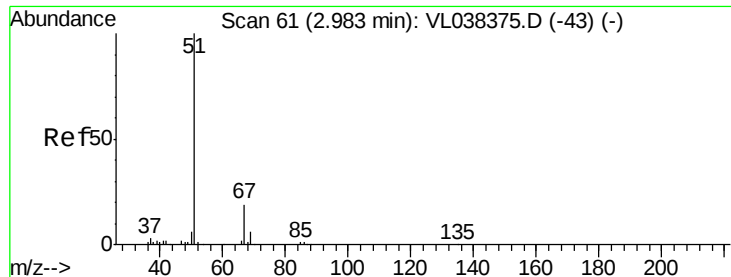
500000

0

Time-->

2.95 3.00 3.05 3.10 3.15





#3

Chlorodifluoromethane

Concen: 11.262 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

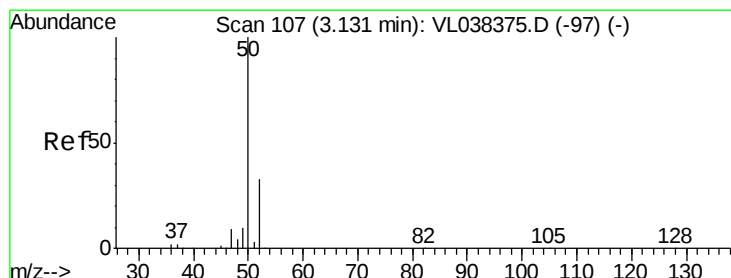
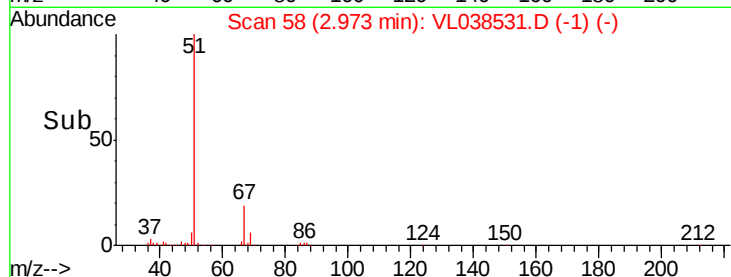
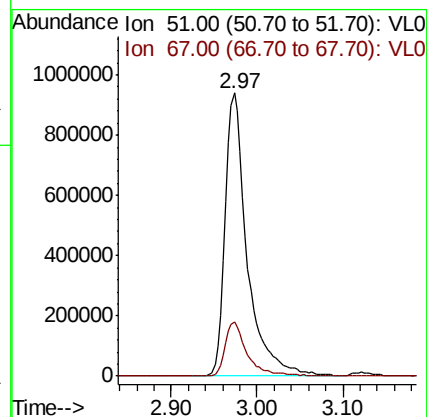
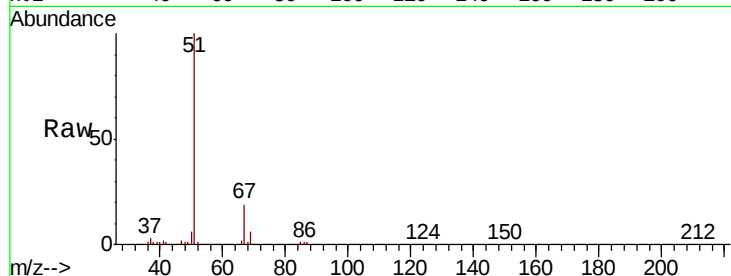
Acq: 4 Mar 2022 2:19

Tot Ion: 51 Resp: 1685303

Ion Ratio Lower Upper

51 100

67 19.1 14.7 22.1



#4

Chloromethane

Concen: 11.357 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL038531.D

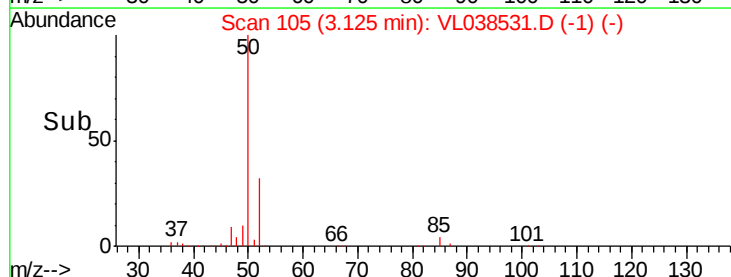
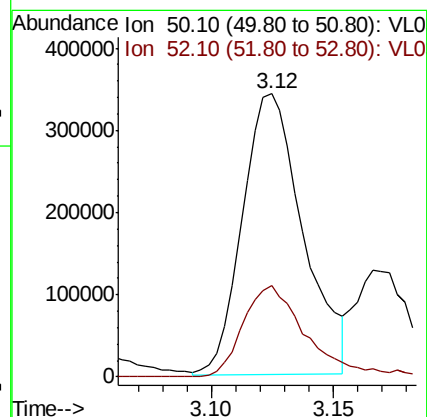
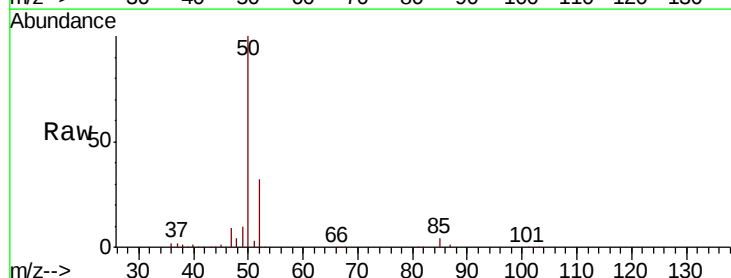
Acq: 4 Mar 2022 2:19

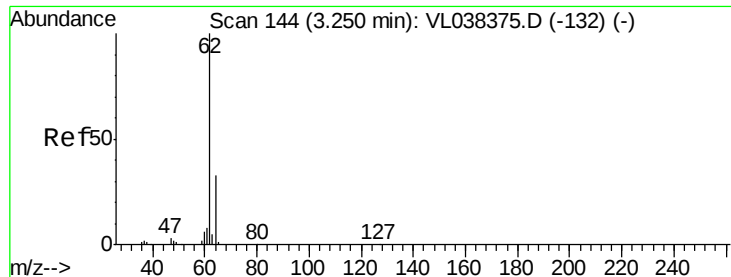
Tgt Ion: 50 Resp: 590545

Ion Ratio Lower Upper

50 100

52 32.4 26.5 39.7





#5

Vinyl Chloride

Concen: 10.872 ppbv

RT: 3.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

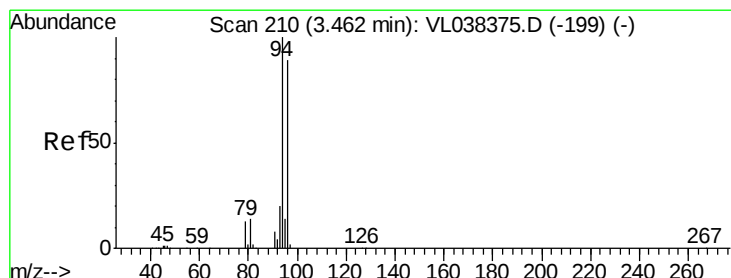
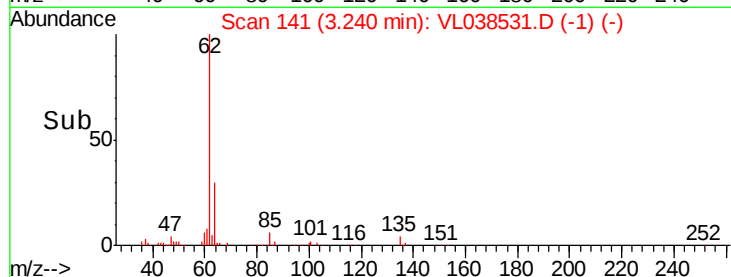
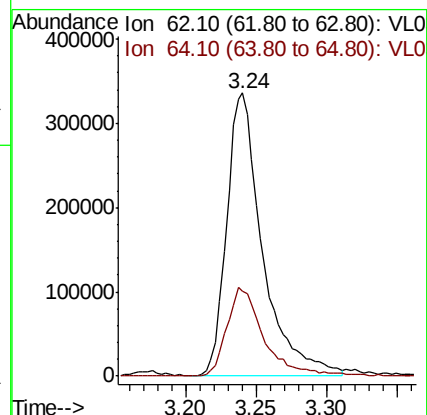
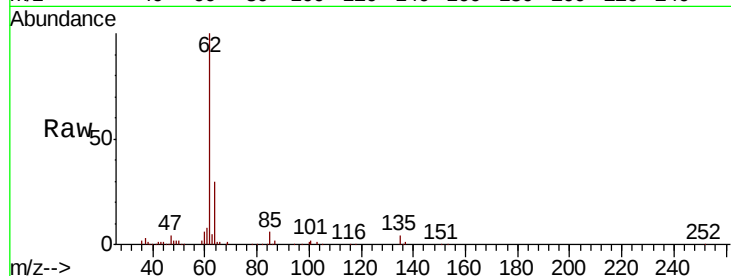
Acq: 4 Mar 2022 2:19

Tot Ion: 62 Resp: 590975

Ion Ratio Lower Upper

62 100

64 30.3 26.2 39.2



#6

Bromomethane

Concen: 11.353 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL038531.D

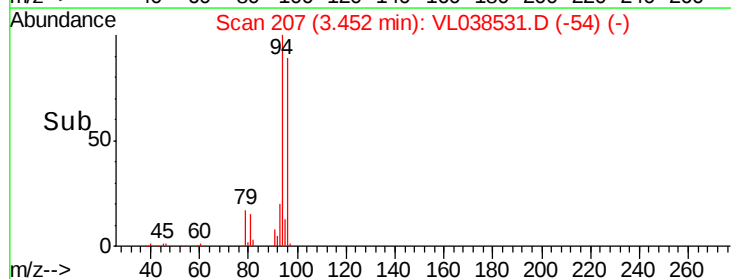
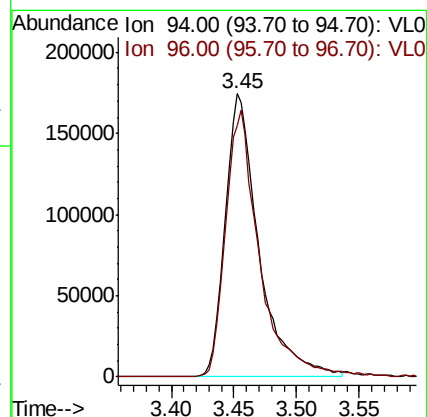
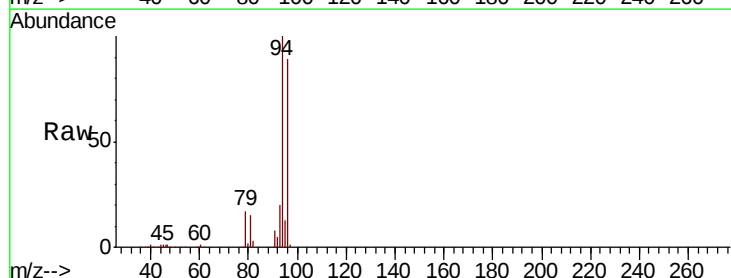
Acq: 4 Mar 2022 2:19

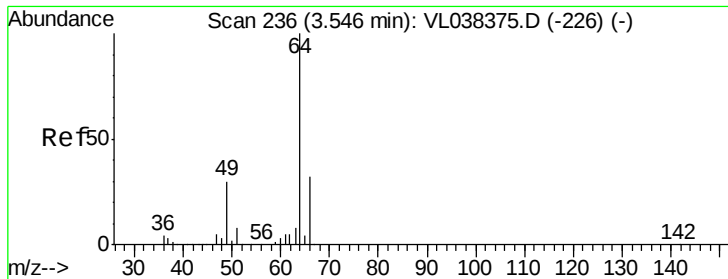
Tgt Ion: 94 Resp: 325523

Ion Ratio Lower Upper

94 100

96 88.9 71.0 106.6





#7

Chloroethane

Concen: 11.951 ppbv

RT: 3.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

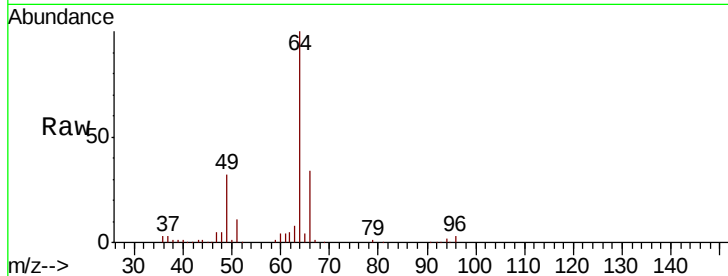
Acq: 4 Mar 2022 2:19

Tot Ion: 64 Resp: 208648

Ion Ratio Lower Upper

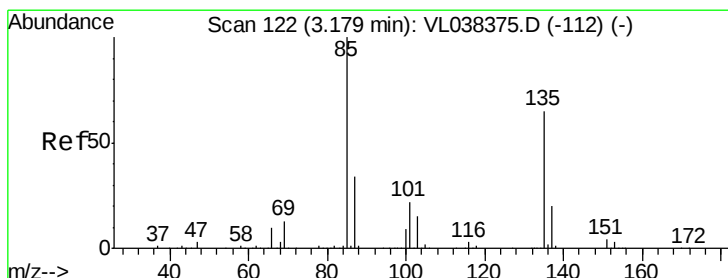
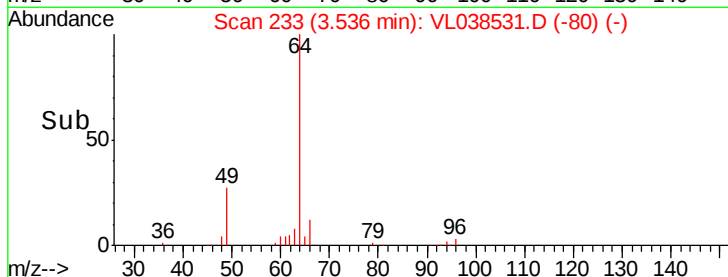
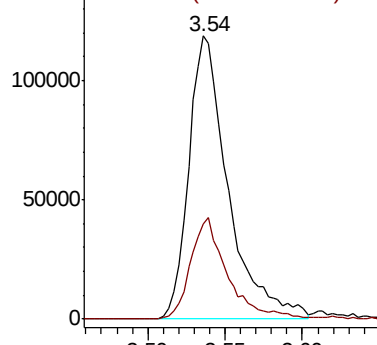
64 100

66 33.8 25.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 12.123 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL038531.D

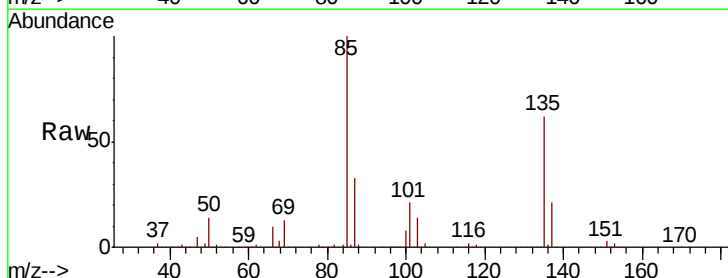
Acq: 4 Mar 2022 2:19

Tgt Ion: 85 Resp: 1513686

Ion Ratio Lower Upper

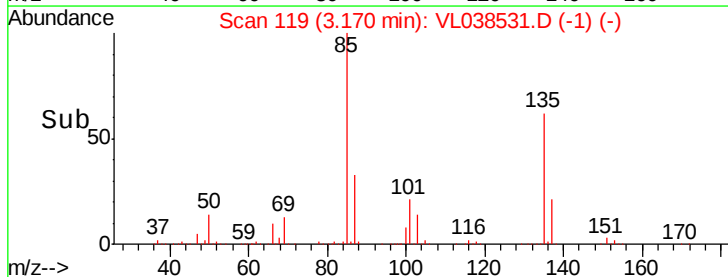
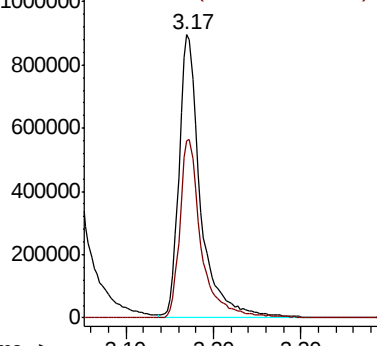
85 100

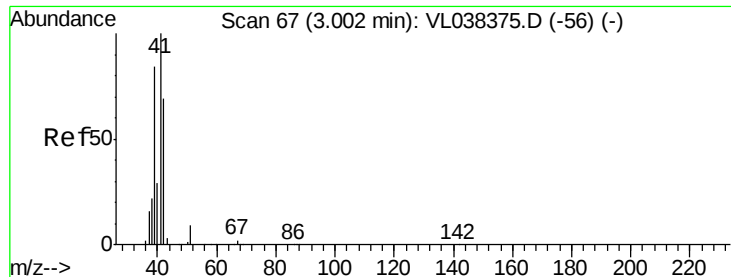
135 63.7 54.1 81.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.859 ppbv

RT: 2.99 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

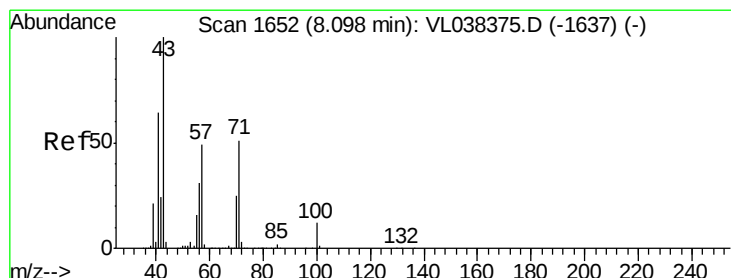
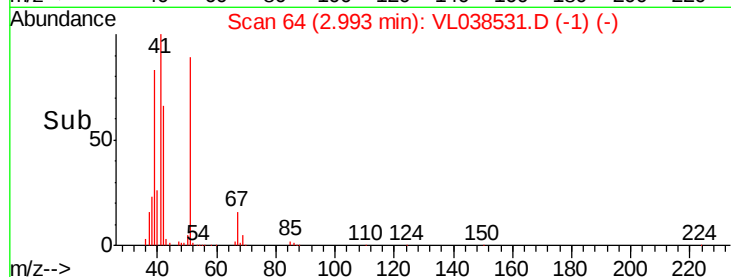
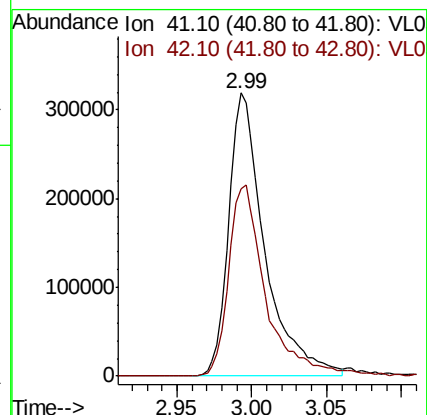
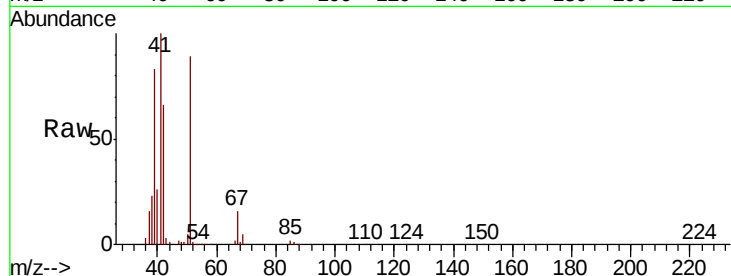
Acq: 4 Mar 2022 2:19

Tot Ion: 41 Resp: 536532

Ion Ratio Lower Upper

41 100

42 70.0 54.6 82.0



#10

Heptane

Concen: 12.069 ppbv

RT: 8.09 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VL038531.D

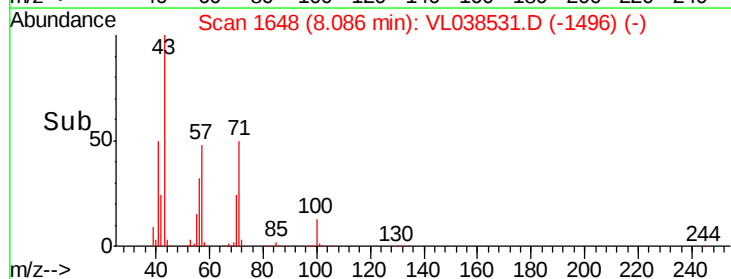
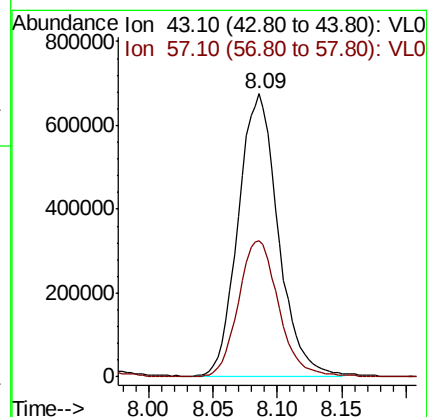
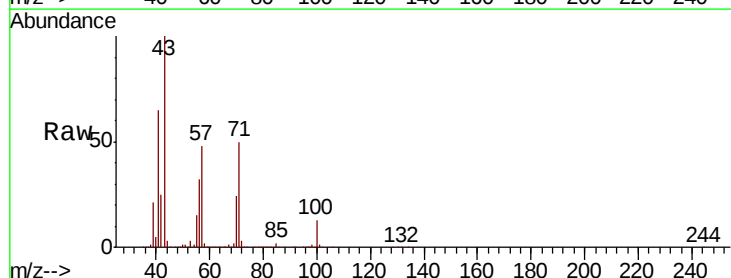
Acq: 4 Mar 2022 2:19

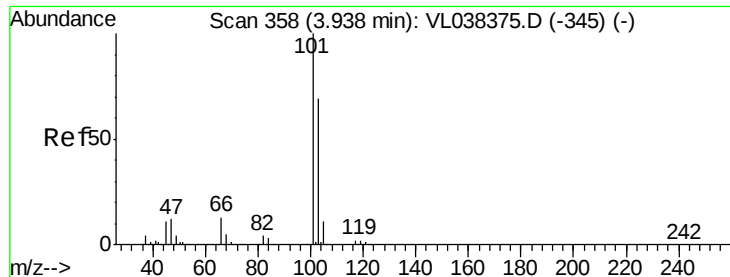
Tgt Ion: 43 Resp: 1451657

Ion Ratio Lower Upper

43 100

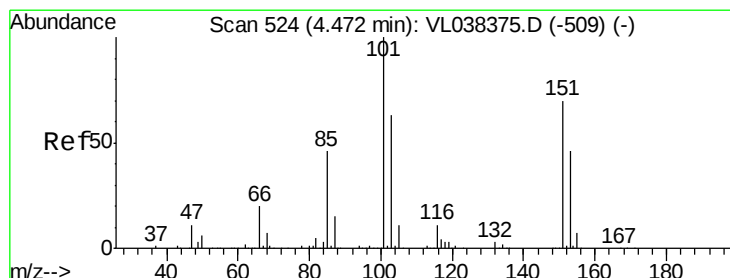
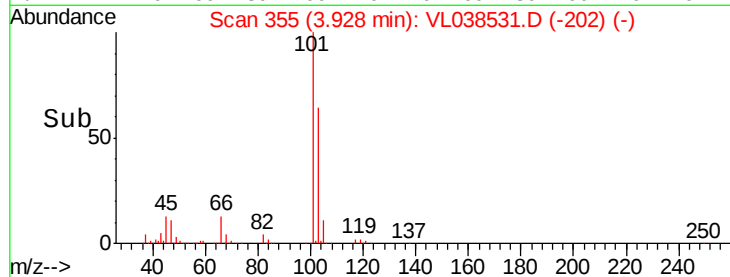
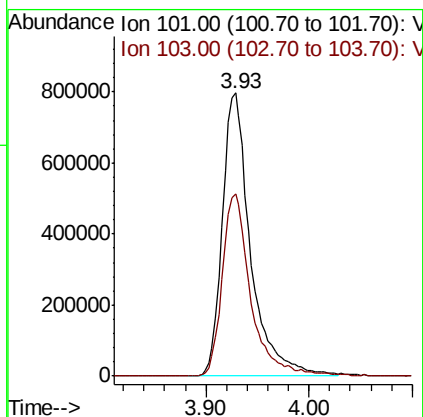
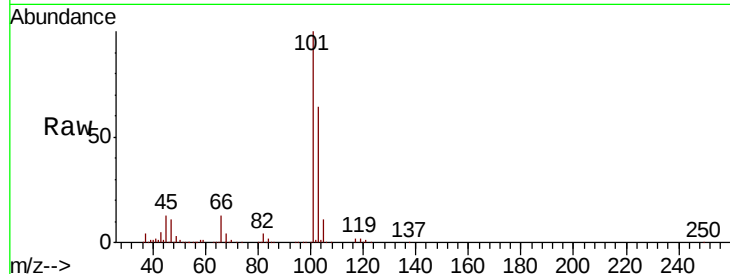
57 48.9 39.8 59.8





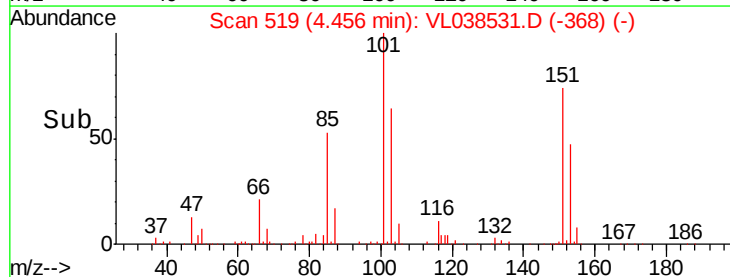
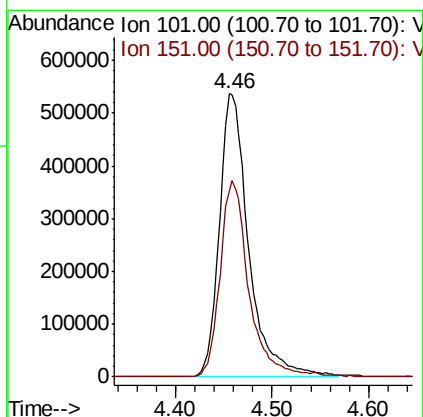
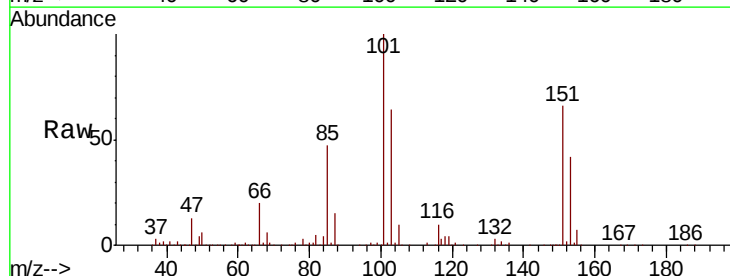
#11
 Trichlorofluoromethane
 Concen: 11.839 ppbv
 RT: 3.93
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 2:19

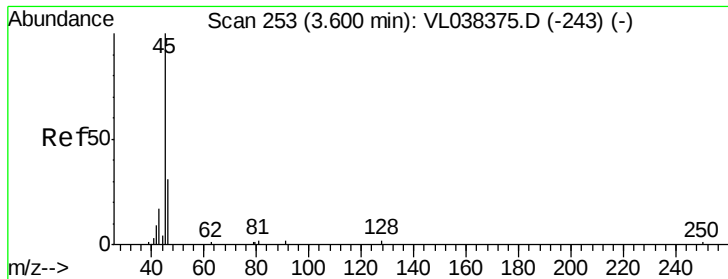
Tot Ion:101 Resp: 1521480
 Ion Ratio Lower Upper
 101 100
 103 64.5 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.981 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.02 min
 Lab File: VL038531.D
 Acq: 4 Mar 2022 2:19

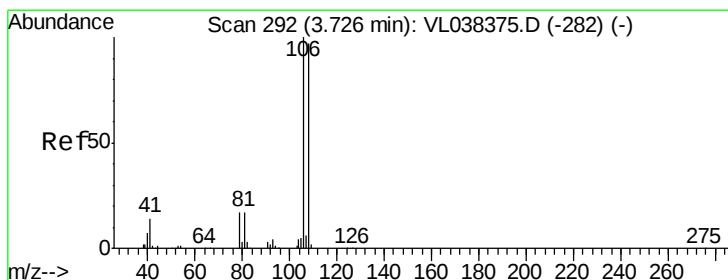
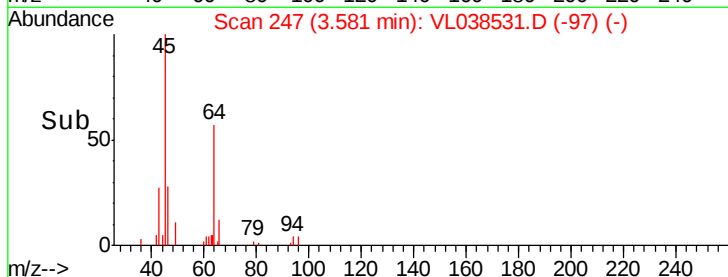
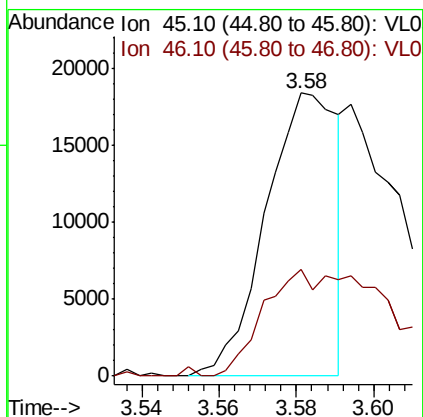
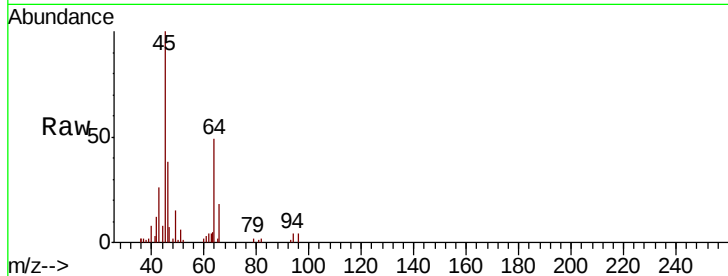
Tgt Ion:101 Resp: 1128850
 Ion Ratio Lower Upper
 101 100
 151 68.5 55.9 83.9





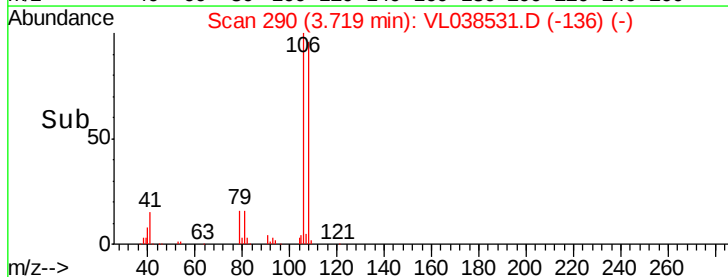
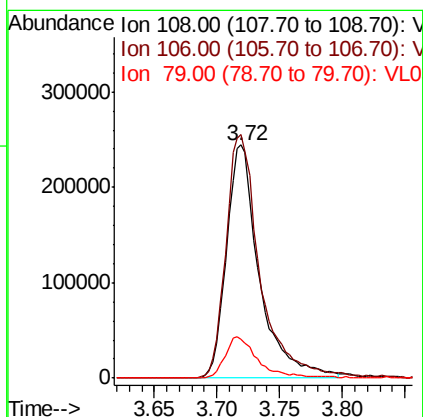
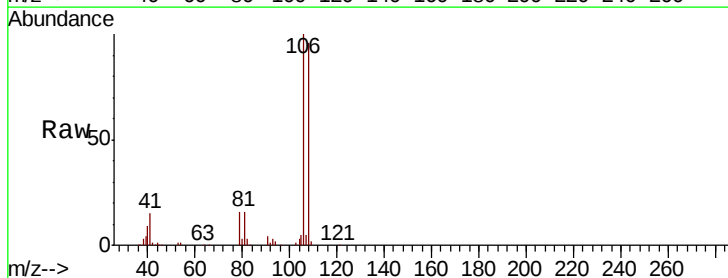
#13
 Ethanol
 Concen: 4.782 ppbv
 RT: 3.58
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 2:19

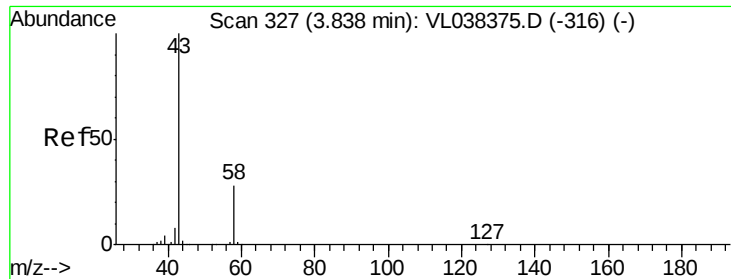
Tot Ion: 45 Resp: 23581
 Ion Ratio Lower Upper
 45 100
 46 77.5 18.2 72.8#



#14
 Bromoethene
 Concen: 11.859 ppbv
 RT: 3.72 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VL038531.D
 Acq: 4 Mar 2022 2:19

Tgt Ion: 108 Resp: 445117
 Ion Ratio Lower Upper
 108 100
 106 109.7 88.4 132.6
 79 17.6 15.0 22.6





#15

Acetone

Concen: 10.497 ppbv

RT: 3.83 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

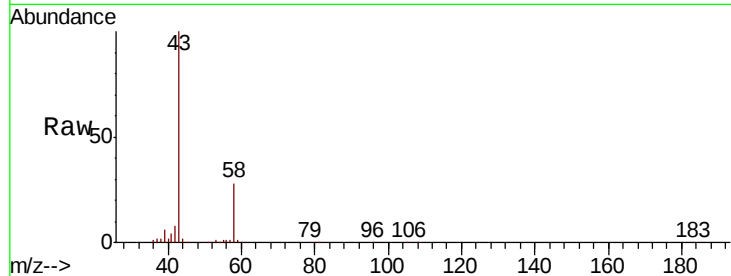
Acq: 4 Mar 2022 2:19

Tot Ion: 43 Resp: 756502

Ion Ratio Lower Upper

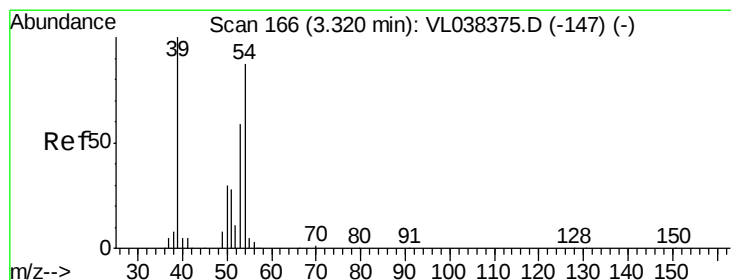
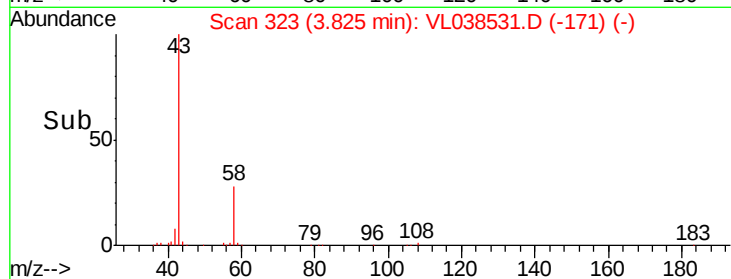
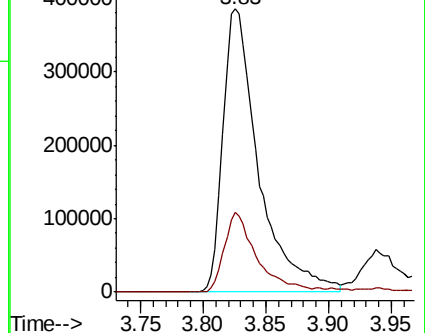
43 100

58 26.7 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 11.683 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL038531.D

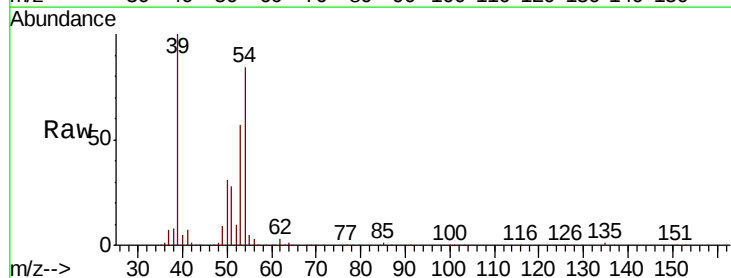
Acq: 4 Mar 2022 2:19

Tgt Ion: 39 Resp: 562407

Ion Ratio Lower Upper

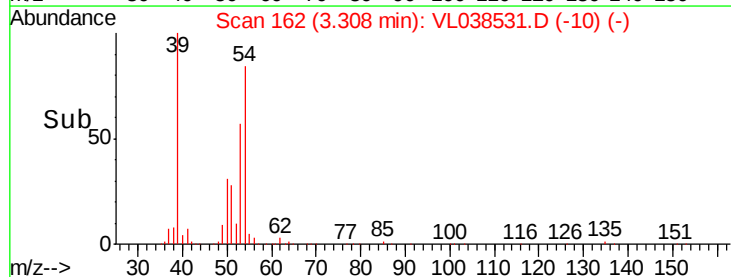
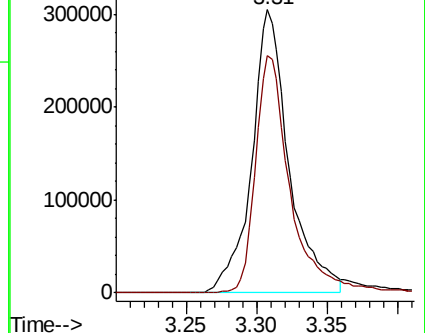
39 100

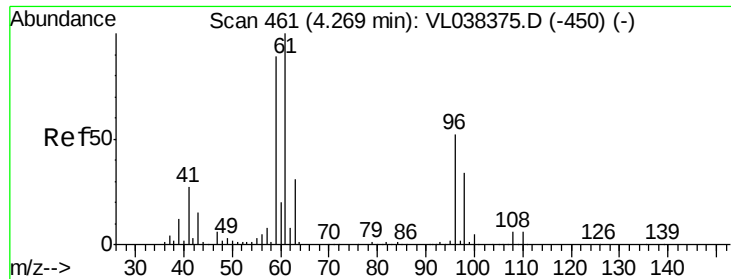
54 79.3 60.3 90.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

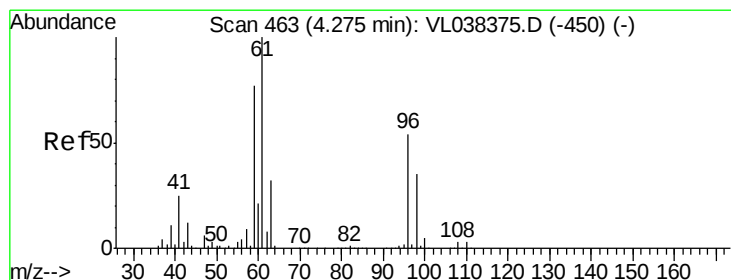
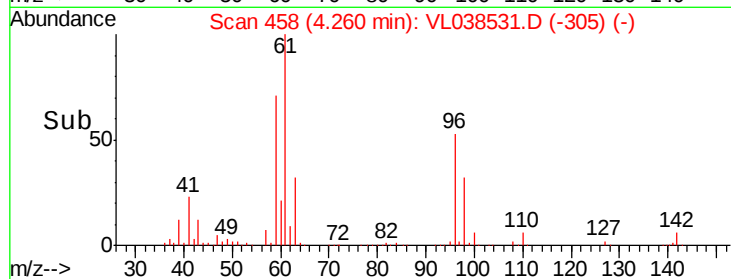
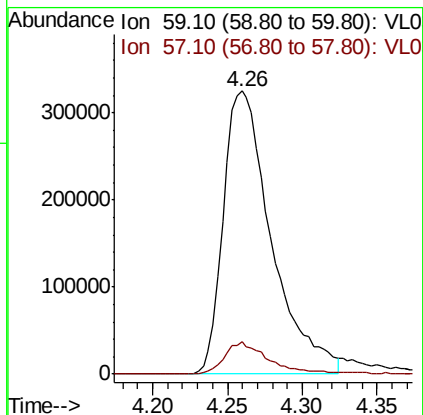
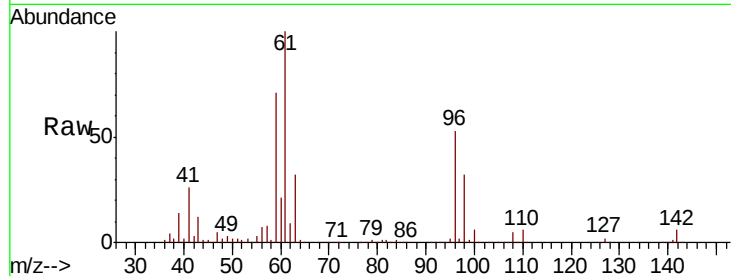
Ion 54.10 (53.80 to 54.80): VL0





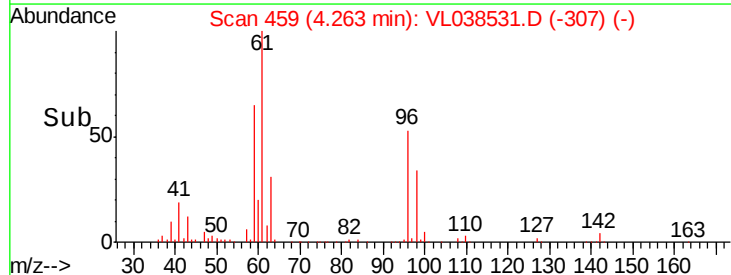
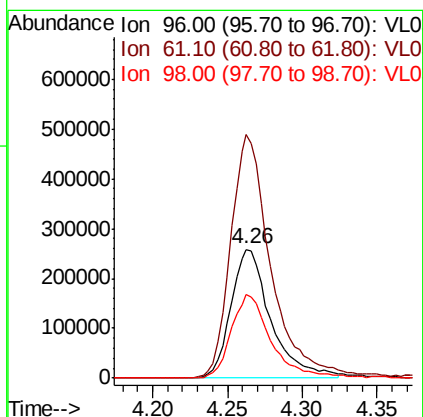
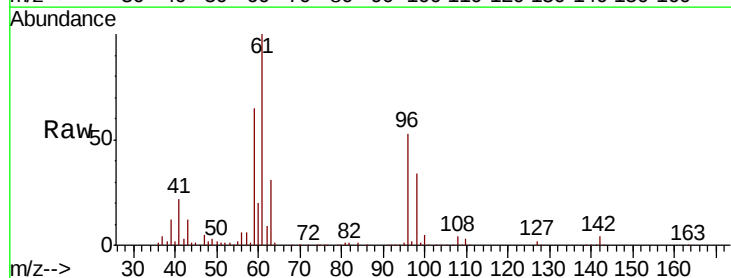
#17
tert-Butyl alcohol
Concen: 10.122 ppbv
RT: 4.26 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Mar 2022 2:19

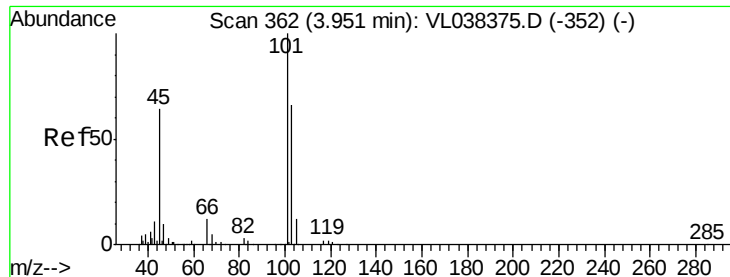
Tot Ion: 59 Resp: 727813
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6



#18
1,1-Dichloroethene
Concen: 11.574 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.01 min
Lab File: VL038531.D
Acq: 4 Mar 2022 2:19

Tgt Ion: 96 Resp: 478753
Ion Ratio Lower Upper
96 100
61 188.8 146.8 220.2
98 64.6 51.5 77.3





#19

Isopropyl Alcohol

Concen: 9.402 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

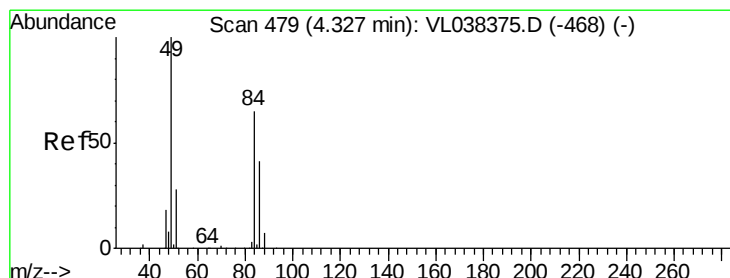
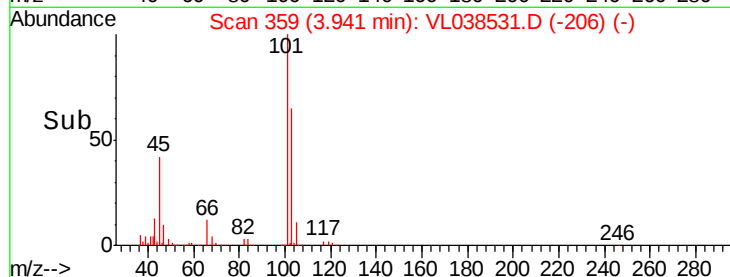
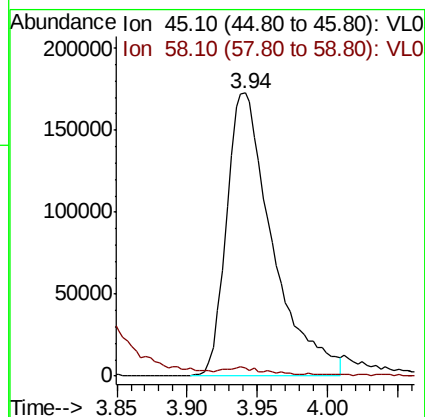
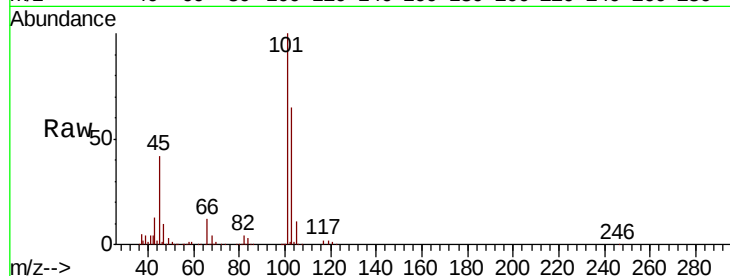
Acq: 4 Mar 2022 2:19

Tot Ion: 45 Resp: 392390

Ion Ratio Lower Upper

45 100

58 2.8 1.8 2.8#



#20

Methylene Chloride

Concen: 11.080 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL038531.D

Acq: 4 Mar 2022 2:19

Tgt Ion: 84 Resp: 395635

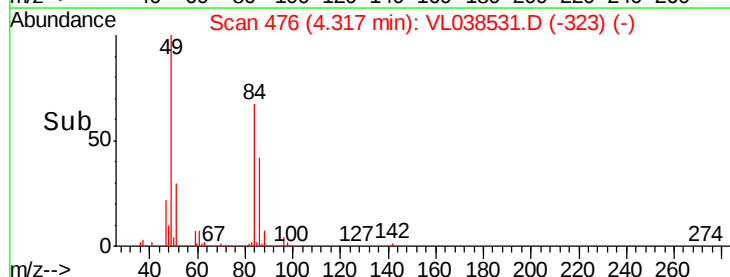
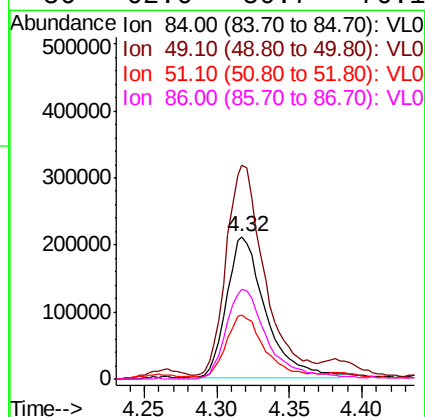
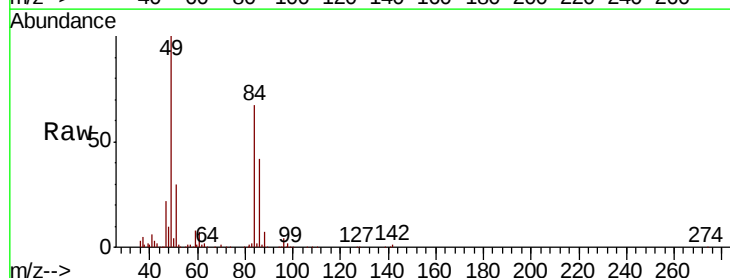
Ion Ratio Lower Upper

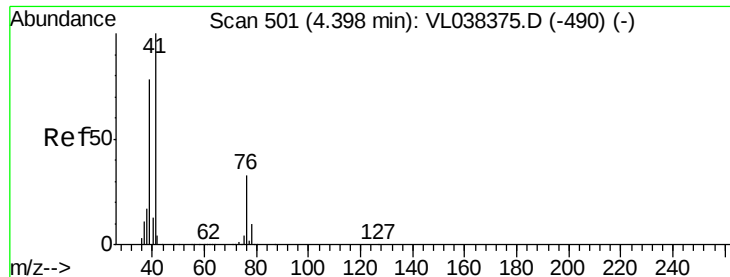
84 100

49 148.3 122.4 183.6

51 43.7 33.3 49.9

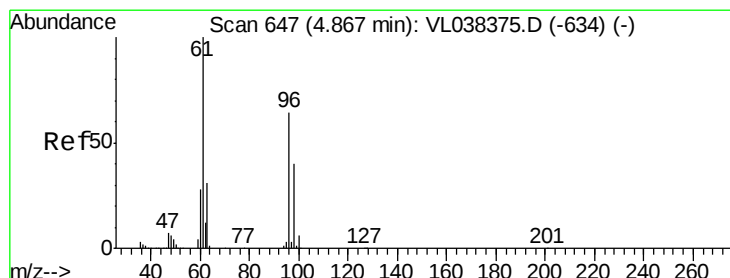
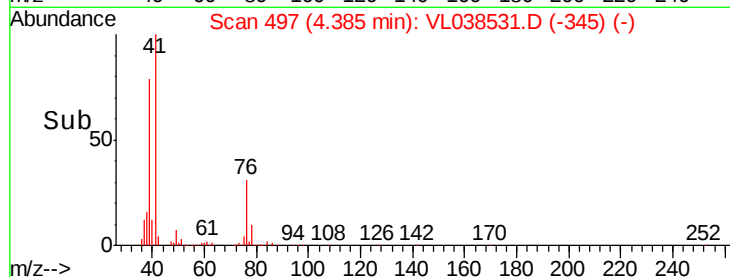
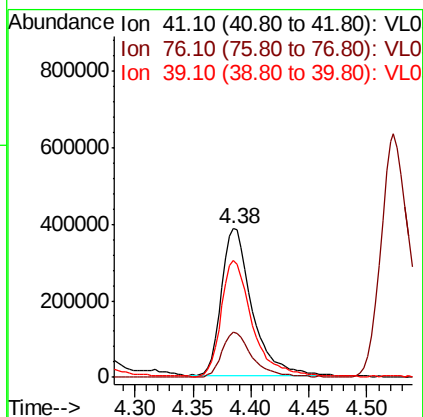
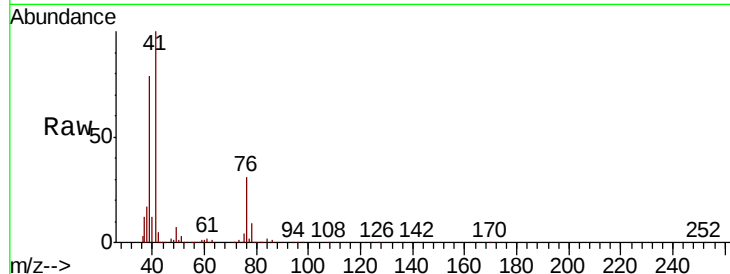
86 62.6 50.7 76.1





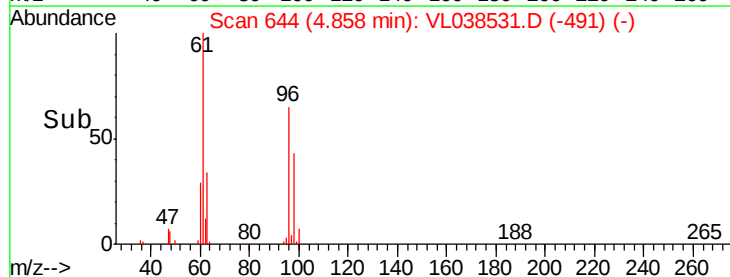
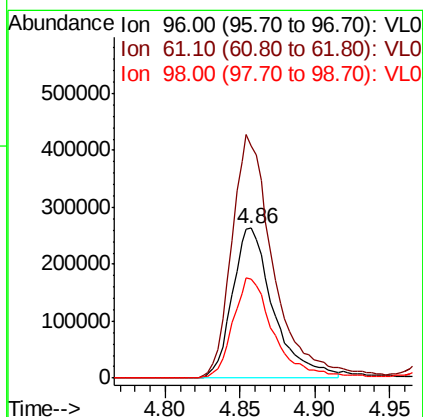
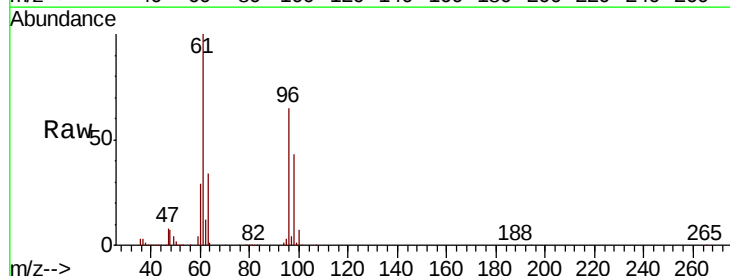
#21
 Allvl Chloride
 Concen: 11.714 ppbv
 RT: 4.38
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 2:19

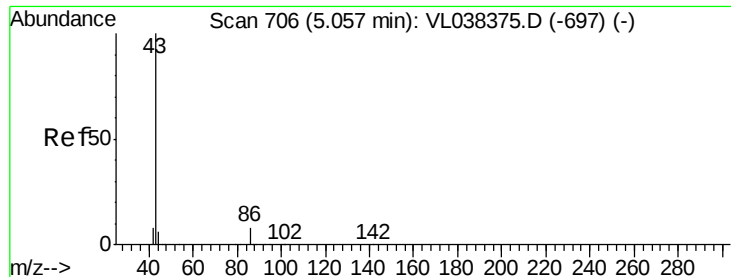
Tot Ion: 41 Resp: 713011
 Ion Ratio Lower Upper
 41 100
 76 30.7 25.4 38.0
 39 79.4 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 12.089 ppbv
 RT: 4.86 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VL038531.D
 Acq: 4 Mar 2022 2:19

Tgt Ion: 96 Resp: 504565
 Ion Ratio Lower Upper
 96 100
 61 154.5 124.2 186.4
 98 66.0 49.1 73.7





#23

Vinyl Acetate

Concen: 11.173 ppbv

RT: 5.04 Instrument:

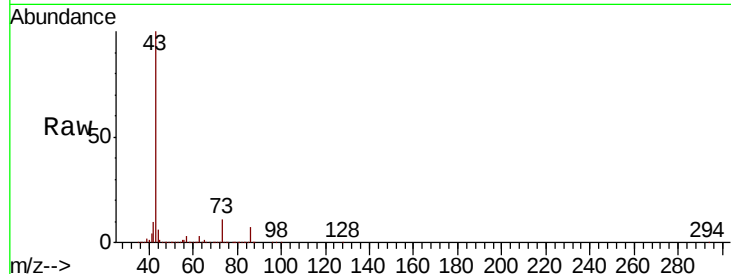
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 2:19

Tot Ion: 43 Resp: 1067133

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.8	8.6
42	9.9	7.4	11.0
44	5.5	4.2	6.2

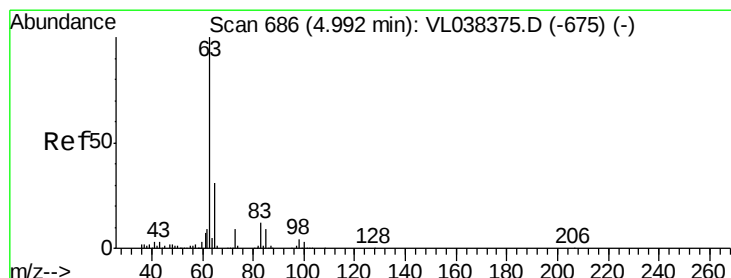
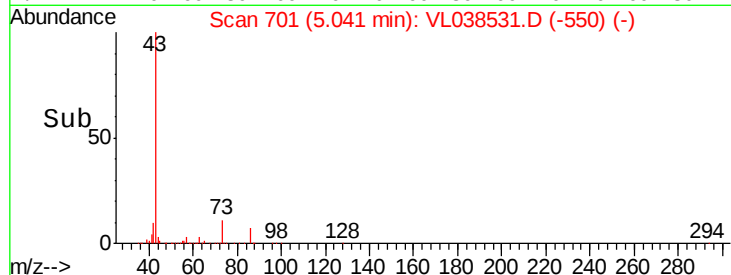
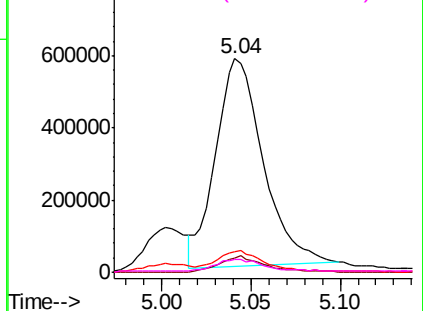


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.911 ppbv

RT: 4.98 min Scan# 682

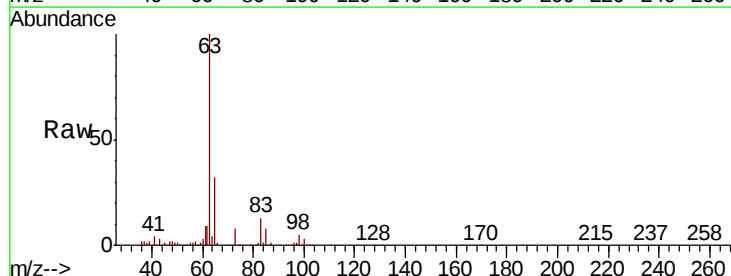
Delta R.T. -0.01 min

Lab File: VL038531.D

Acq: 4 Mar 2022 2:19

Tgt Ion: 63 Resp: 1022776

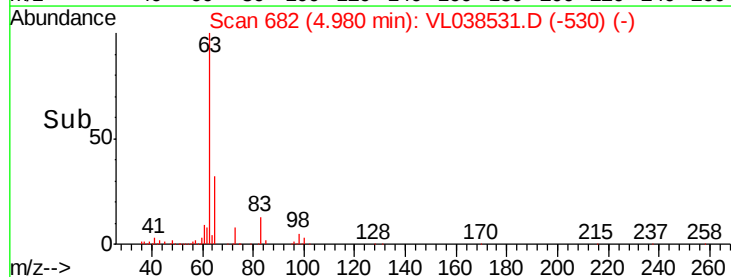
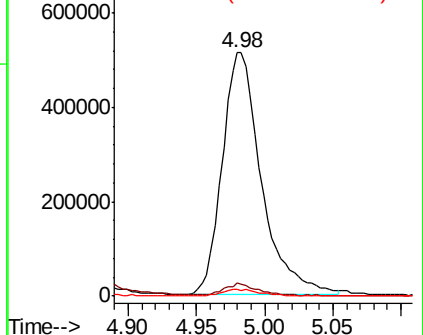
Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.1	6.5
100	2.5	1.4	4.2

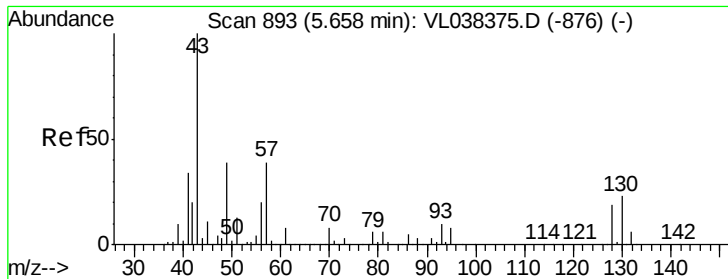


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

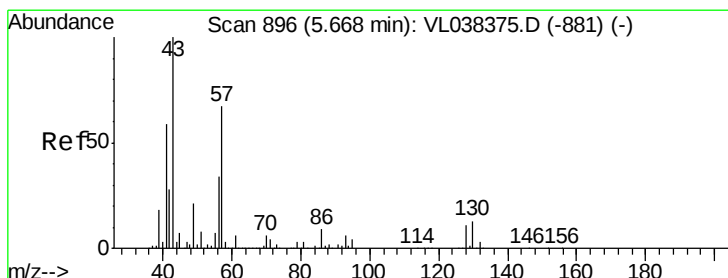
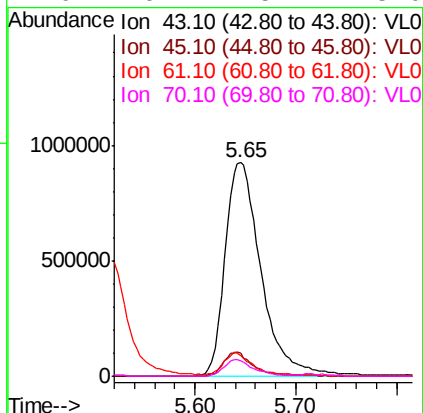
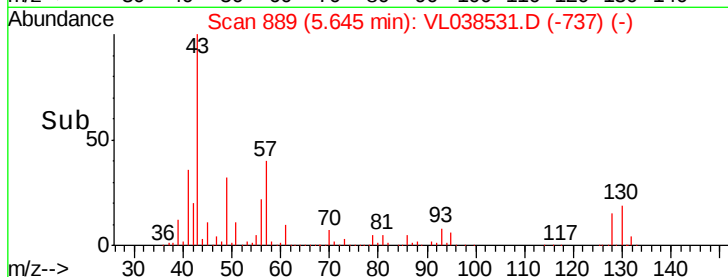
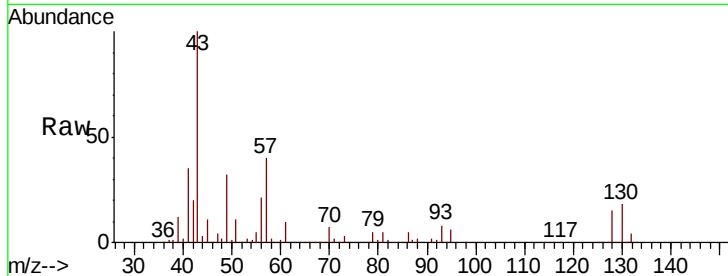




#25
Ethyl Acetate
Concen: 11.820 ppbv
RT: 5.65 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Mar 2022 2:19

Tot Ion: 43 Resp: 2288622

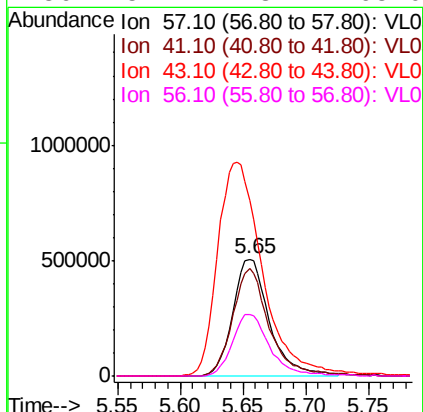
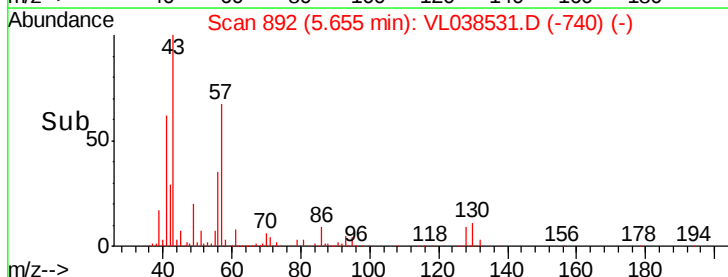
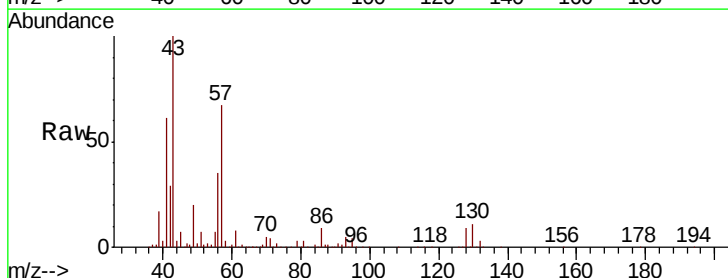
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.6	7.5	11.3
70	6.4	5.4	8.0

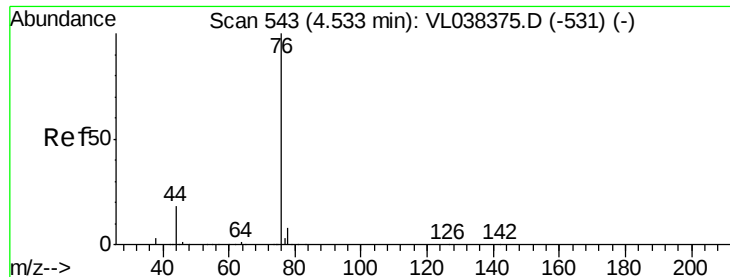


#26
Hexane
Concen: 11.663 ppbv
RT: 5.65 min Scan# 892
Delta R.T.: -0.01 min
Lab File: VL038531.D
Acq: 4 Mar 2022 2:19

Tgt Ion: 57 Resp: 1022643

Ion	Ratio	Lower	Upper
57	100		
41	93.3	73.1	109.7
43	225.8	181.0	271.4
56	54.7	43.4	65.0





#27

Carbon Disulfide

Concen: 12.634 ppbv

RT: 4.52 Instrument:

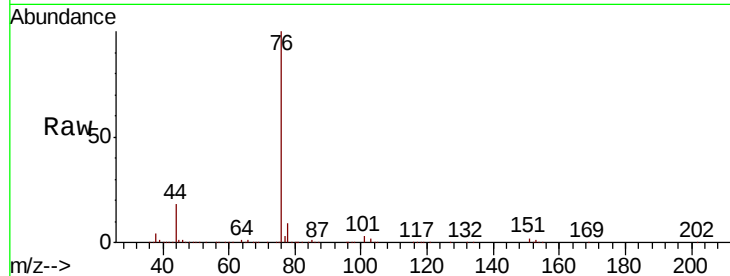
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

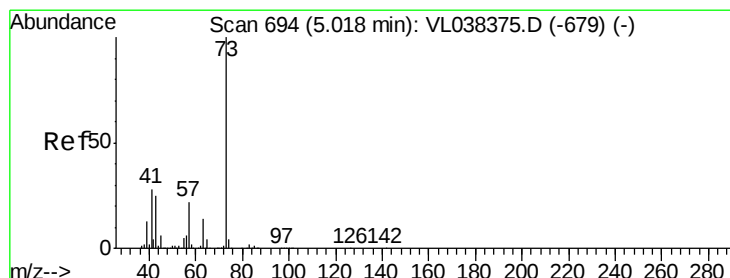
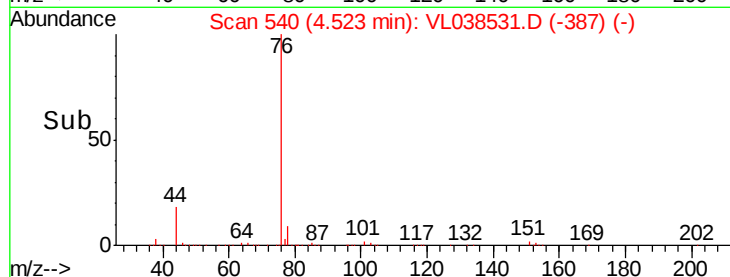
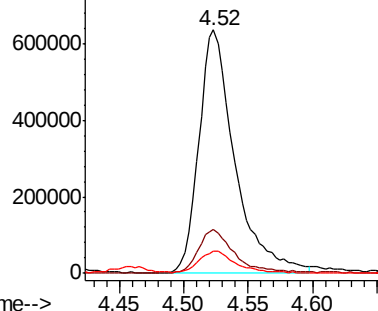
Acq: 4 Mar 2022 2:19

Tot Ion: 76 Resp: 1232213

Ion	Ratio	Lower	Upper
76	100		
44	18.4	14.2	21.2
78	9.8	7.8	11.6



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: 11.511 ppbv

RT: 5.00 min Scan# 689

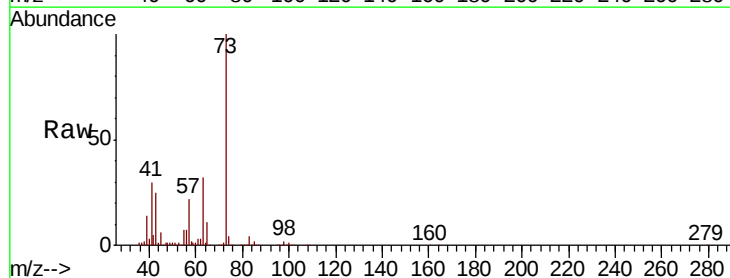
Delta R.T. -0.02 min

Lab File: VL038531.D

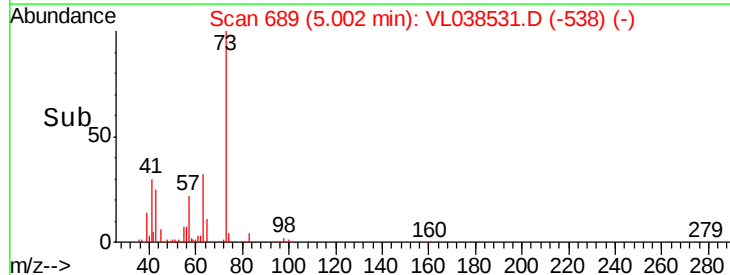
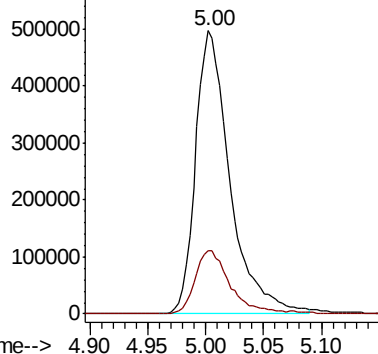
Acq: 4 Mar 2022 2:19

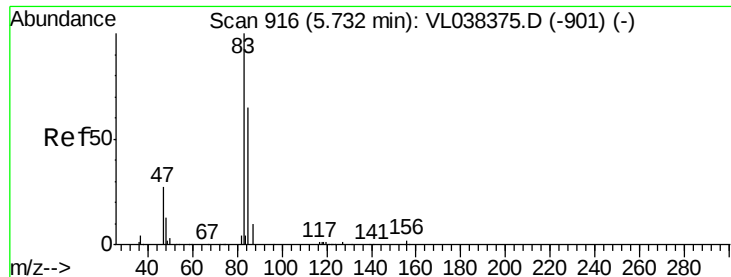
Tgt Ion: 73 Resp: 1028037

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.2	27.4



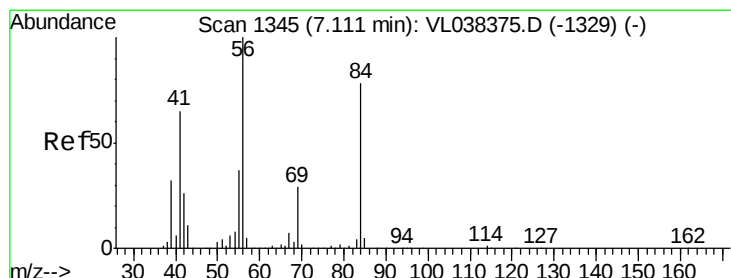
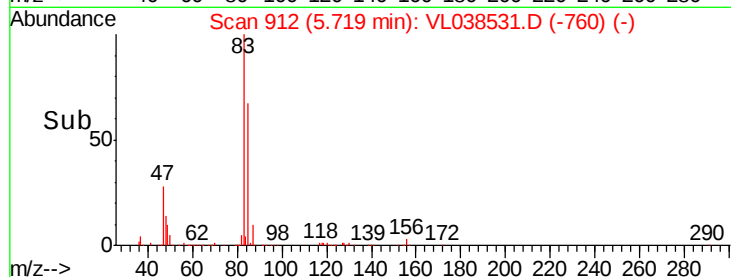
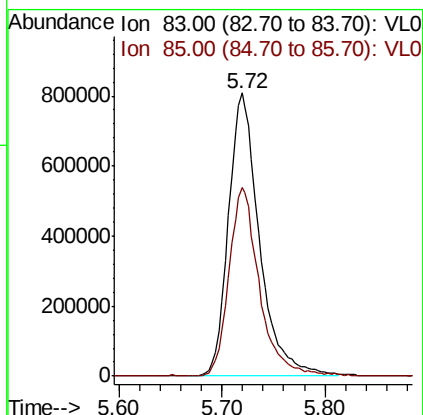
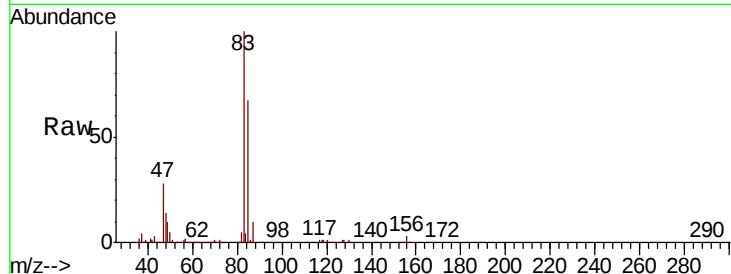
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





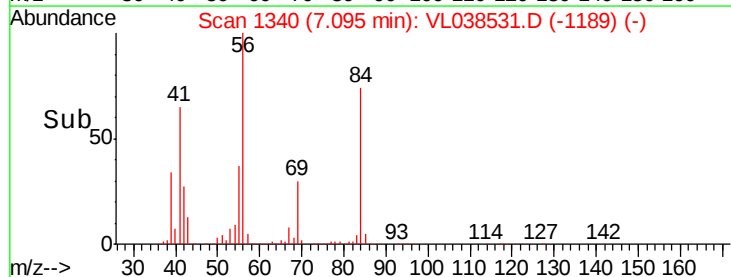
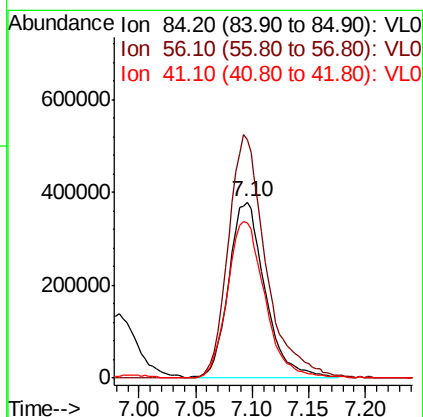
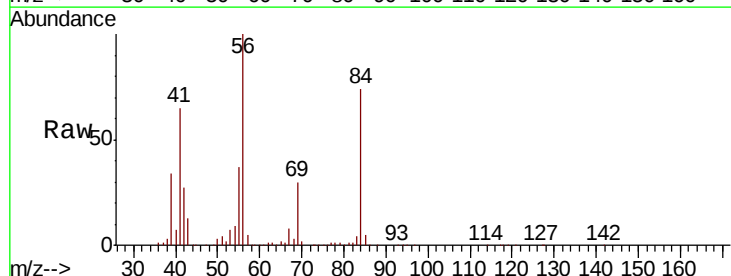
#29
Chloroform
Concen: 11.827 ppbv
RT: 5.72
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 4 Mar 2022 2:19

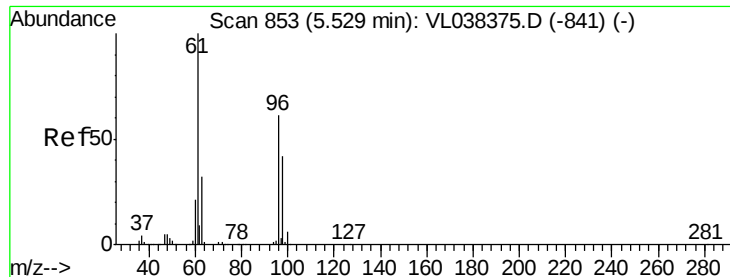
Tot Ion: 83 Resp: 1692561
Ion Ratio Lower Upper
83 100
85 66.6 51.6 77.4



#30
Cyclohexane
Concen: 11.900 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.02 min
Lab File: VL038531.D
Acq: 4 Mar 2022 2:19

Tgt Ion: 84 Resp: 853357
Ion Ratio Lower Upper
84 100
56 142.6 116.2 174.4
41 91.9 74.3 111.5





#31

cis-1,2-Dichloroethene

Concen: 12.075 ppbv

RT: 5.52 Instrument:

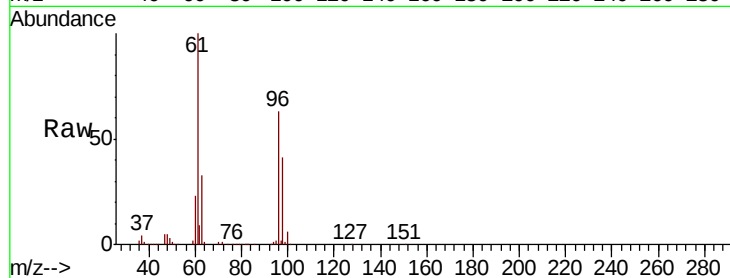
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 2:19

Tot Ion: 61 Resp: 1025787

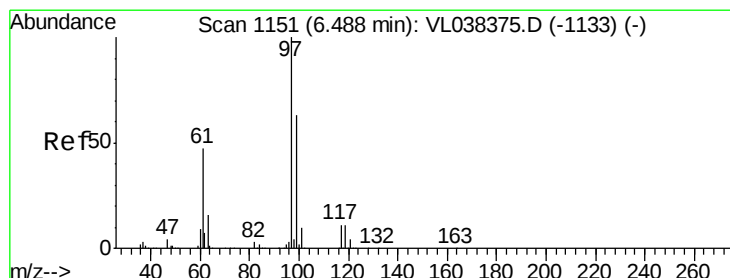
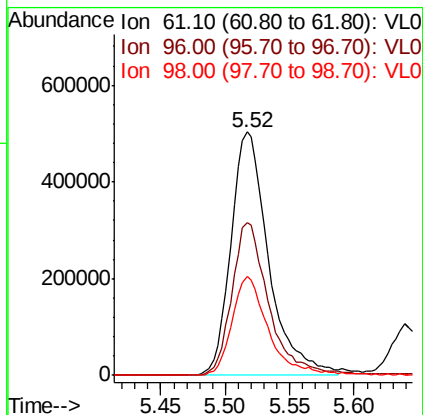
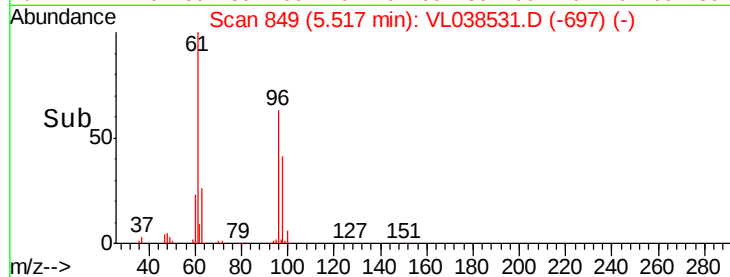
Ion	Ratio	Lower	Upper
61	100		
96	62.9	48.6	73.0
98	40.8	33.2	49.8



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: 11.521 ppbv

RT: 6.47 min Scan# 1147

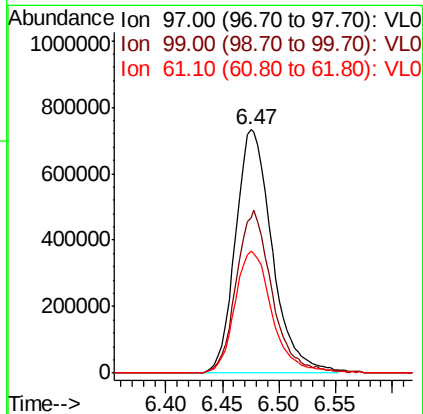
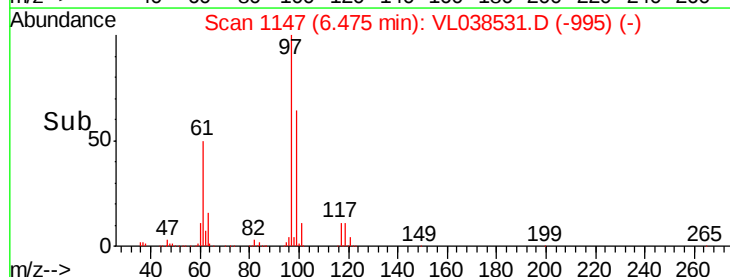
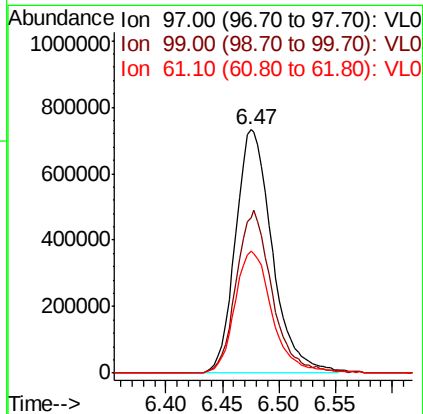
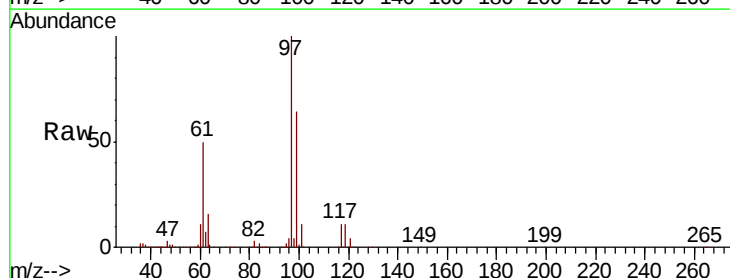
Delta R.T. -0.01 min

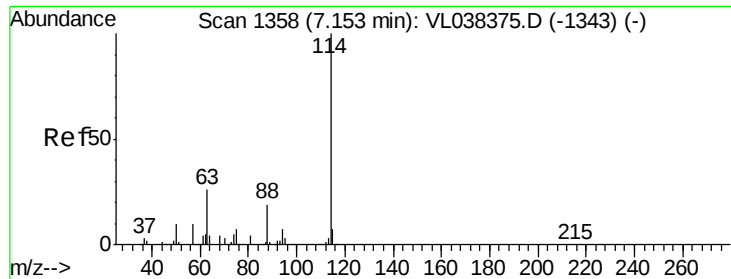
Lab File: VL038531.D

Acq: 4 Mar 2022 2:19

Tgt Ion: 97 Resp: 1658091

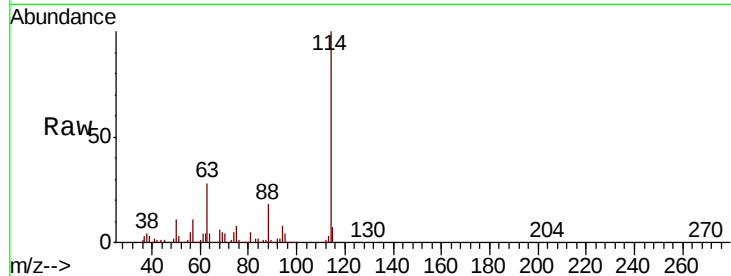
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.9	77.9
61	51.3	40.5	60.7



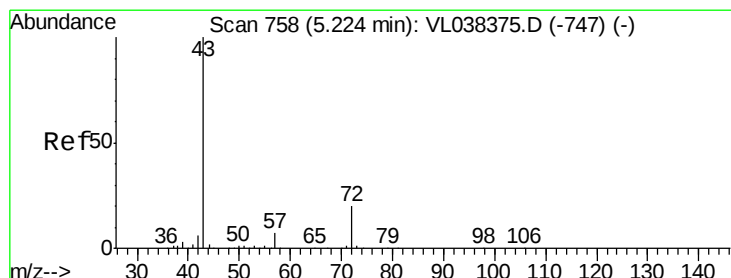
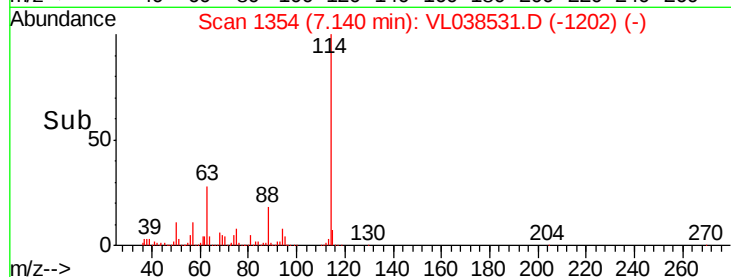
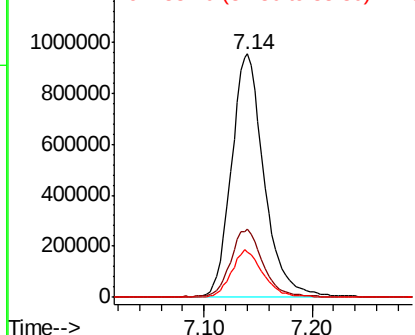


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 2:19

Tot Ion:114 Resp: 2012455
 Ion Ratio Lower Upper
 114 100
 63 28.2 22.2 33.2
 88 19.1 15.2 22.8

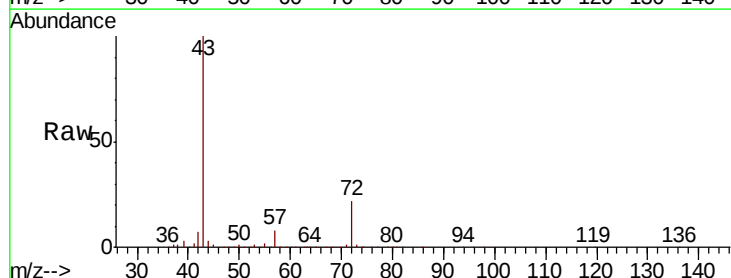


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

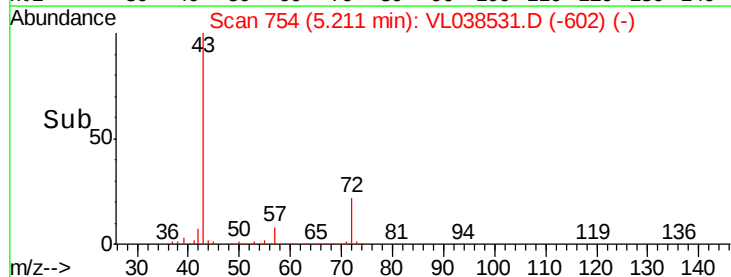
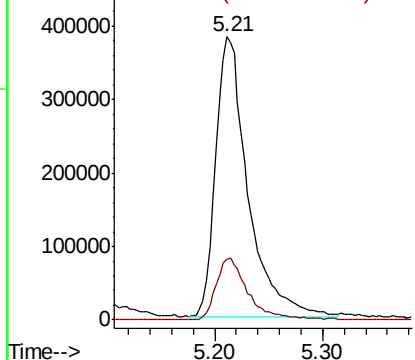


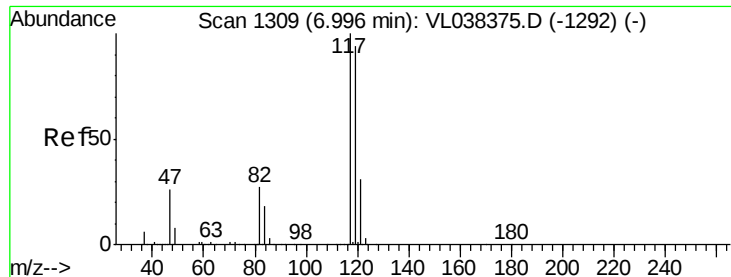
#34
 2-Butanone
 Concen: 12.434 ppbv
 RT: 5.21 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VL038531.D
 Acq: 4 Mar 2022 2:19

Tgt Ion: 43 Resp: 787002
 Ion Ratio Lower Upper
 43 100
 72 22.6 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 12.375 ppbv

RT: 6.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 2:19

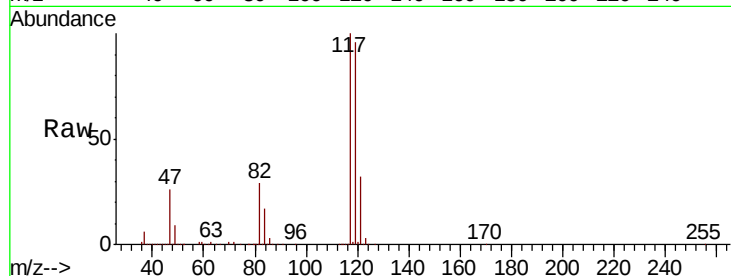
Tot Ion:117 Resp: 1751187

Ion Ratio Lower Upper

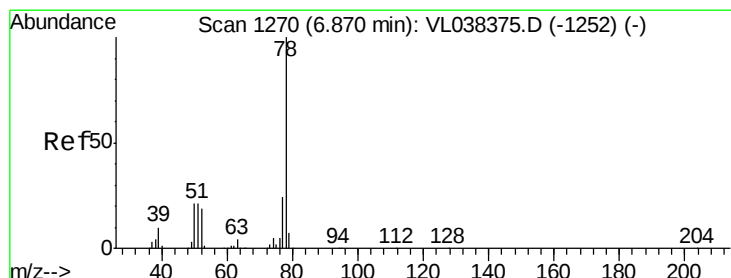
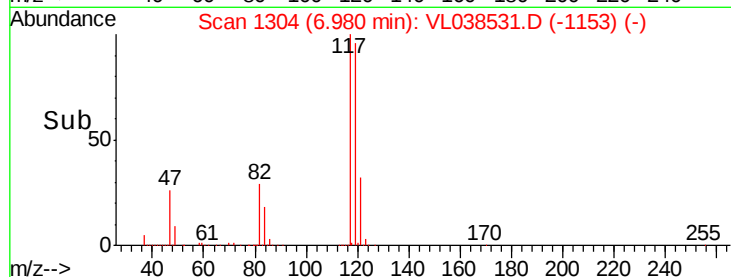
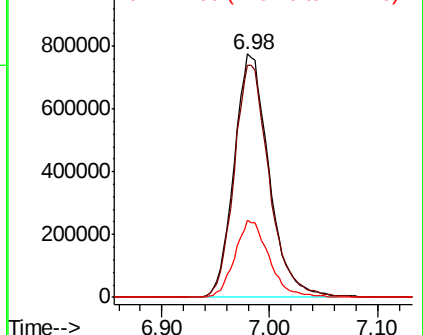
117 100

119 95.6 74.9 112.3

121 31.8 24.8 37.2



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: 11.667 ppbv

RT: 6.85 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VL038531.D

Acq: 4 Mar 2022 2:19

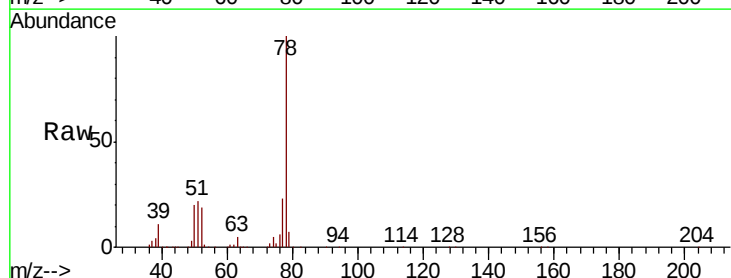
Tgt Ion: 78 Resp: 2066995

Ion Ratio Lower Upper

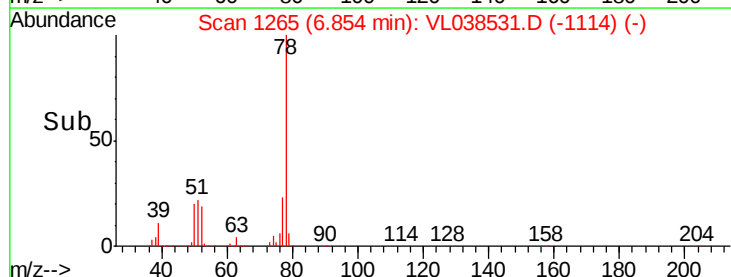
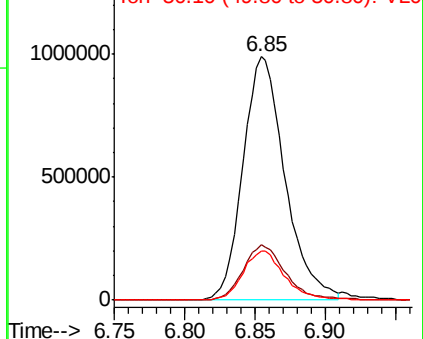
78 100

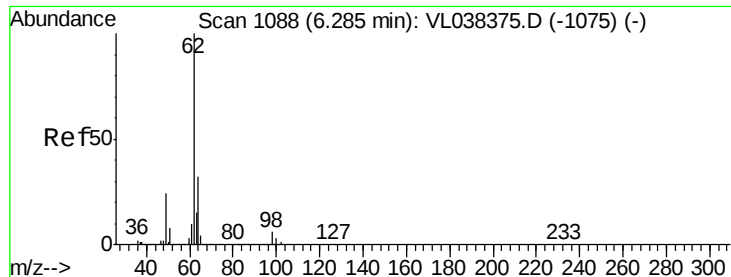
77 22.8 19.0 28.6

50 20.0 16.6 24.8



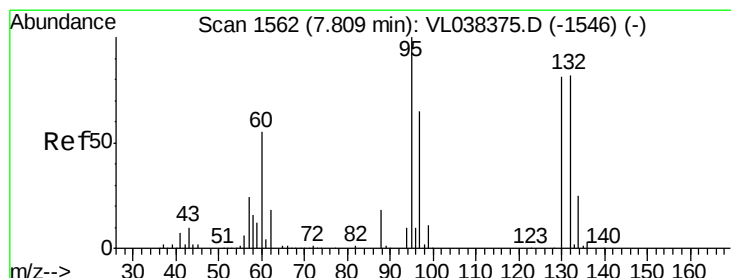
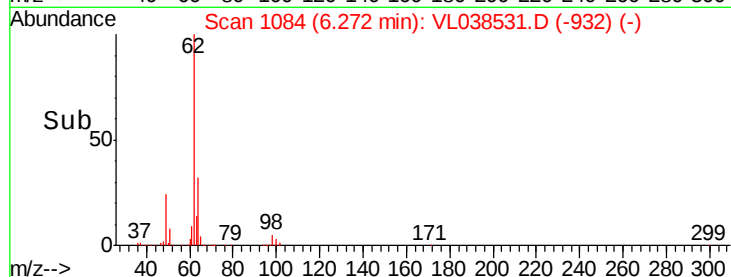
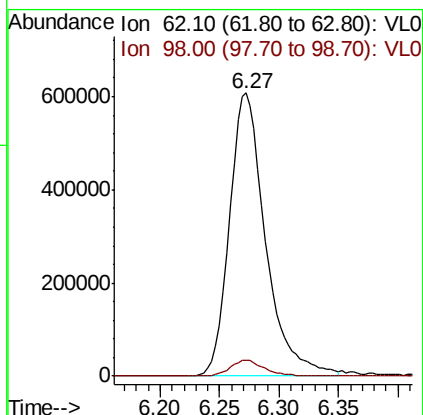
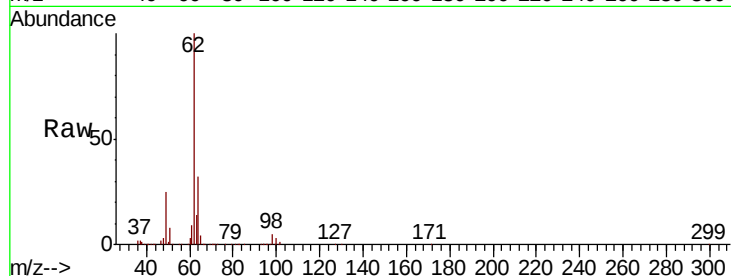
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





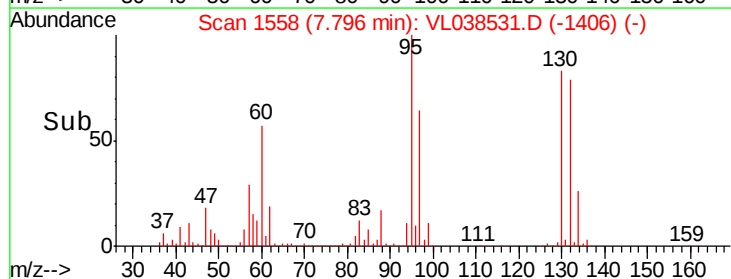
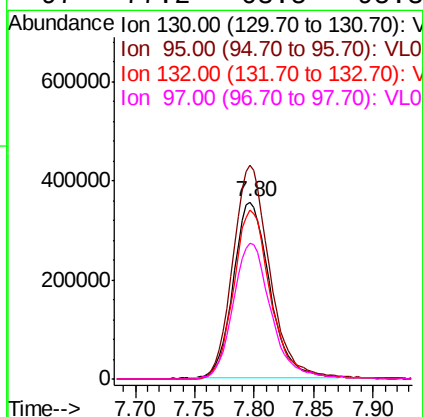
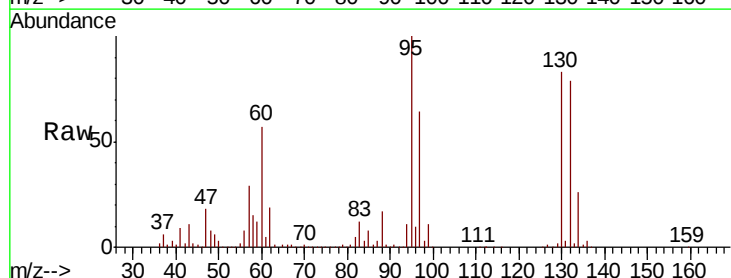
#37
 1,2-Dichloroethane
 Concen: 12.481 ppbv
 RT: 6.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 2:19

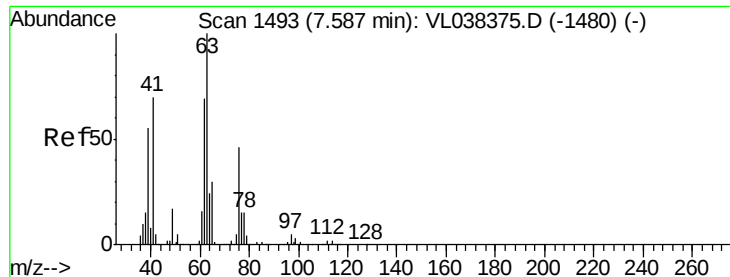
Tot Ion: 62 Resp: 1277746
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.6 7.0



#38
 Trichloroethene
 Concen: 11.767 ppbv
 RT: 7.80 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VL038531.D
 Acq: 4 Mar 2022 2:19

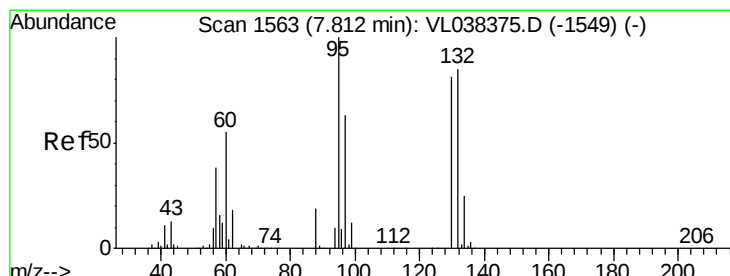
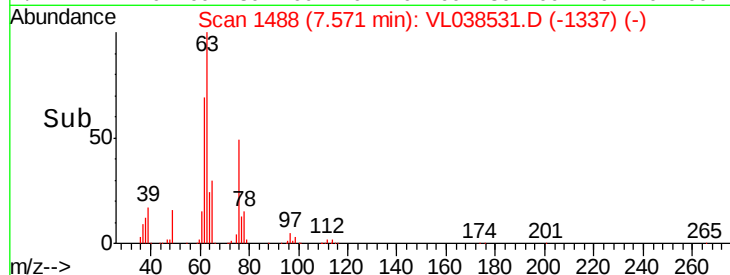
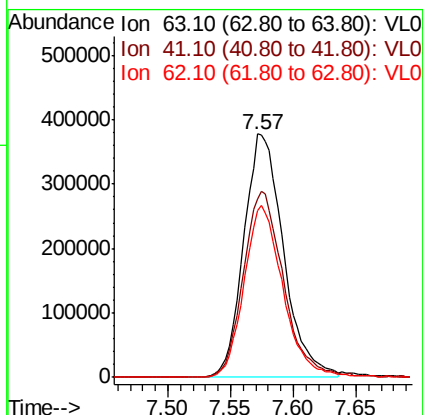
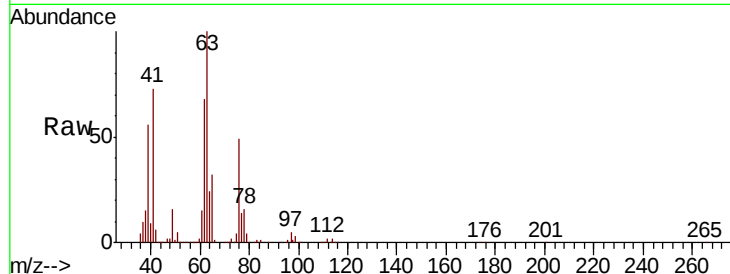
Tgt Ion: 130 Resp: 759327
 Ion Ratio Lower Upper
 130 100
 95 121.3 98.1 147.1
 132 95.6 80.3 120.5
 97 77.2 63.5 95.3





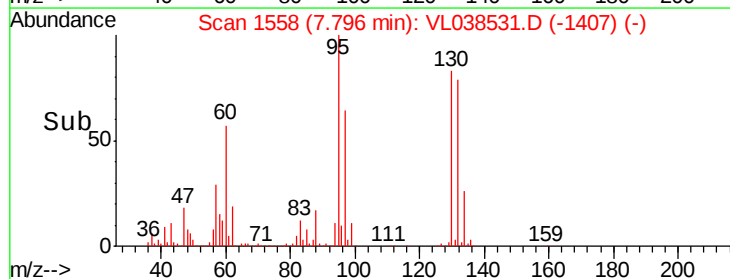
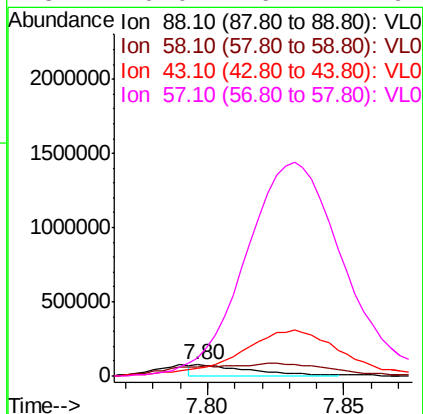
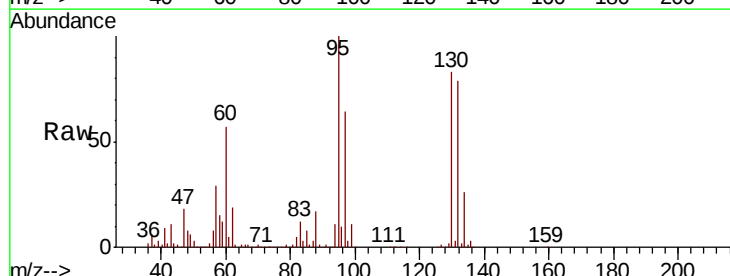
#39
 1,2-Dichloropropane
 Concen: 11.796 ppbv
 RT: 7.57
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 2:19

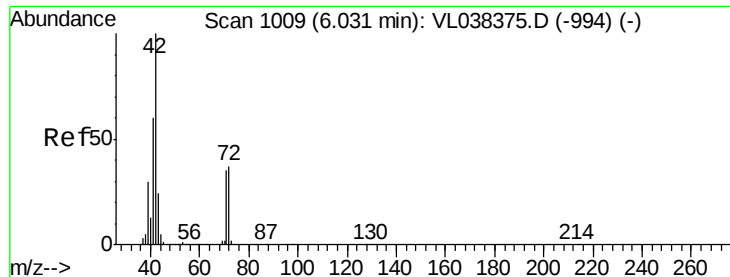
Tot Ion	Ratio	Lower	Upper
63	100		
41	73.0	56.1	84.1
62	68.3	55.5	83.3



#40
 1,4-Dioxane
 Concen: 6.348 ppbv
 RT: 7.80 min Scan# 1558
 Delta R.T. -0.02 min
 Lab File: VL038531.D
 Acq: 4 Mar 2022 2:19

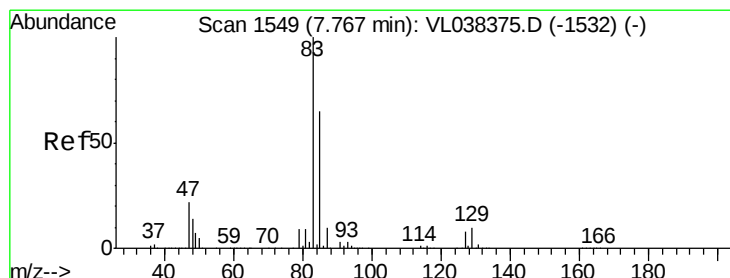
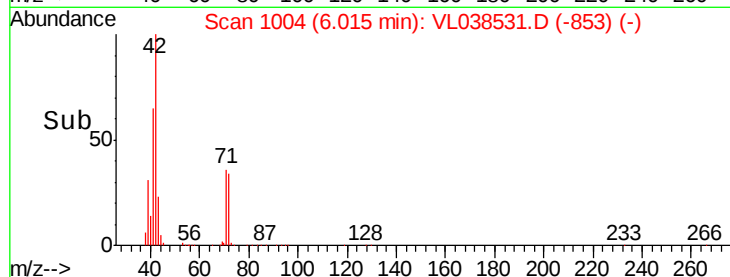
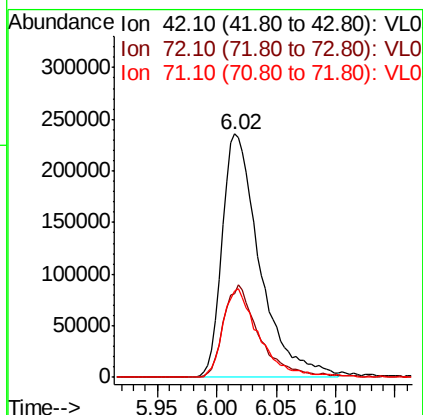
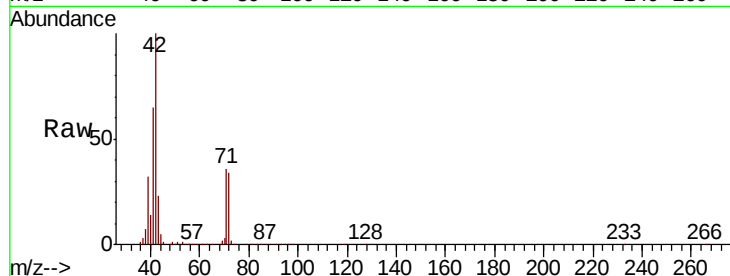
Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	133.2	199.8#
43	0.0	330.6	496.0#
57	0.0	1462.7	2194.1#





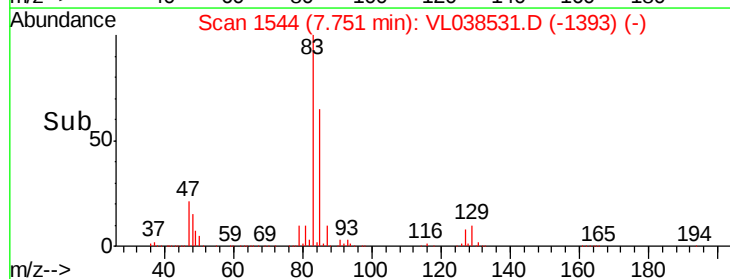
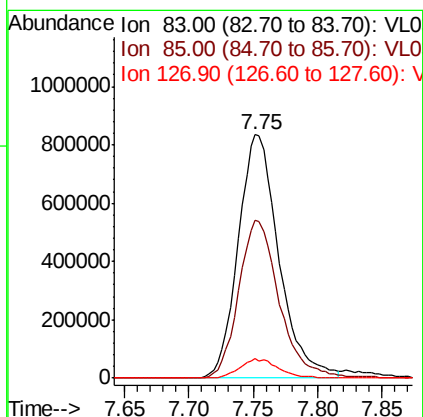
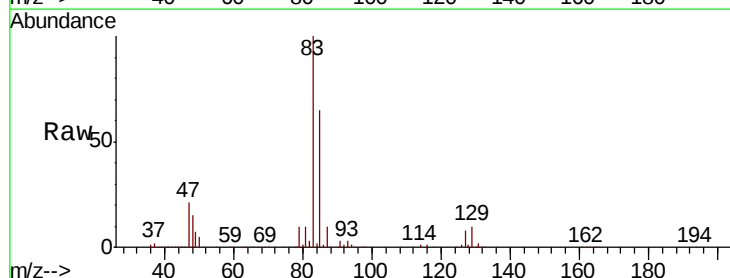
#41
Tetrahydrofuran
Concen: 12.075 ppbv
RT: 6.02
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Mar 2022 2:19

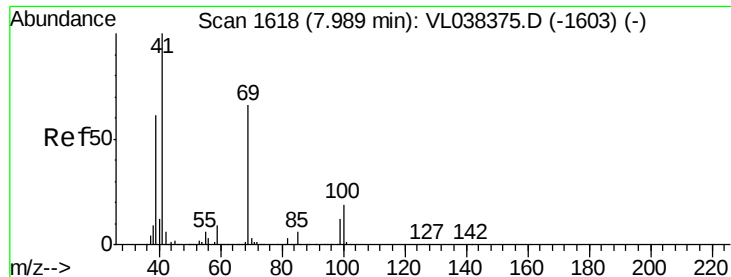
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	29.9	44.9
71	35.3	28.6	42.8



#42
Bromodichloromethane
Concen: 12.407 ppbv
RT: 7.75 min Scan# 1544
Delta R.T.: -0.02 min
Lab File: VL038531.D
Acq: 4 Mar 2022 2:19

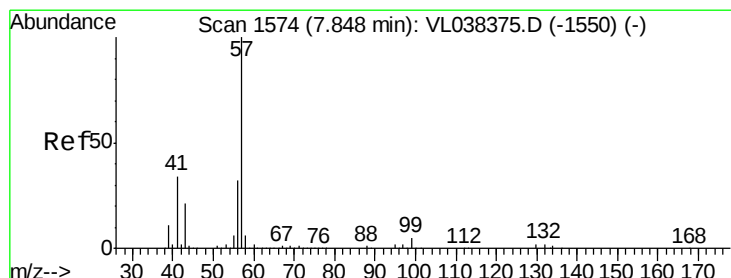
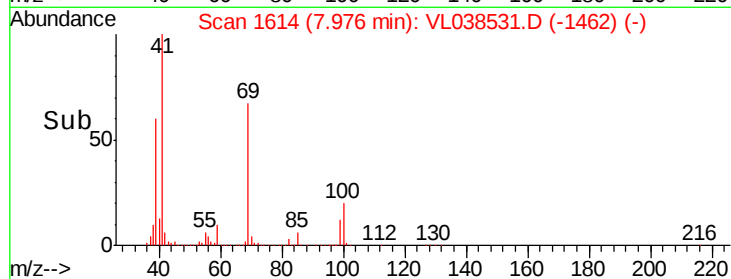
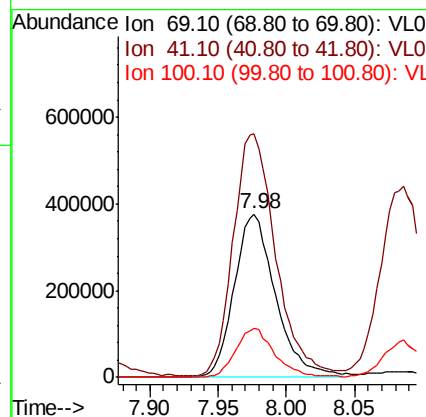
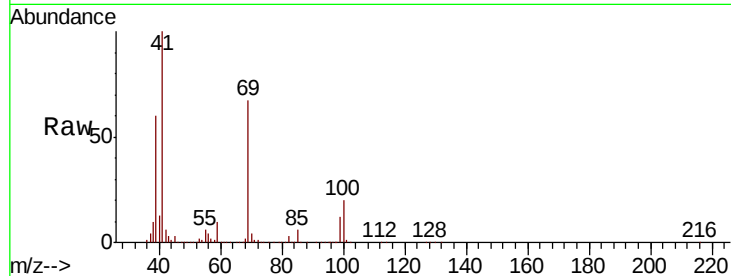
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4
127	7.9	6.2	9.4





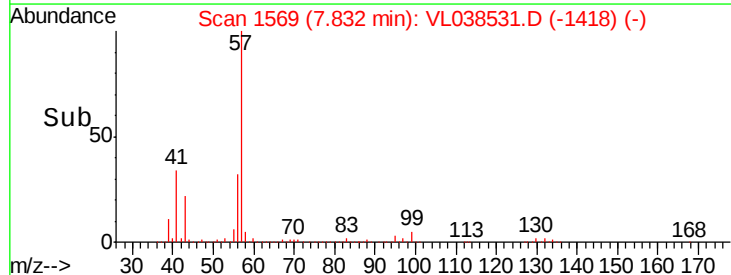
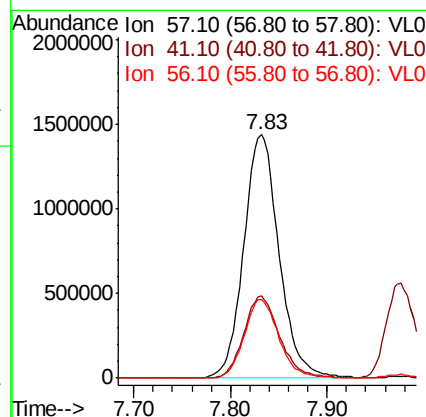
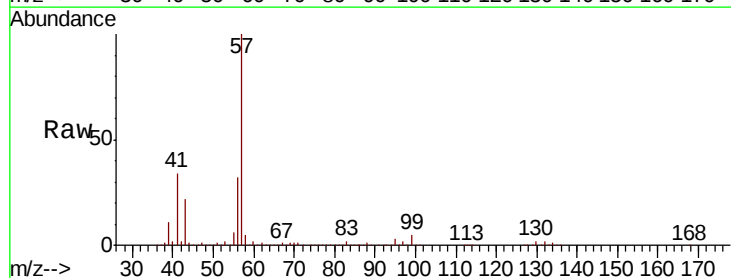
#43
Methvl Methacrilate
Concen: 12.785 ppbv
RT: 7.98 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 4 Mar 2022 2:19

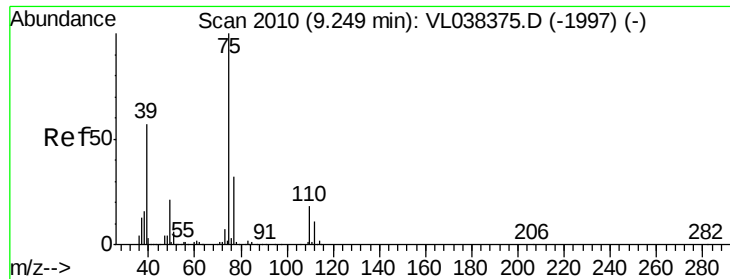
Tot Ion: 69 Resp: 787418
Ion Ratio Lower Upper
69 100
41 155.7 122.9 184.3
100 28.8 23.6 35.4



#44
2,2,4-Trimethylpentane
Concen: 11.968 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.02 min
Lab File: VL038531.D
Acq: 4 Mar 2022 2:19

Tgt Ion: 57 Resp: 3644390
Ion Ratio Lower Upper
57 100
41 34.2 26.6 39.8
56 31.9 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 12.373 ppbv

RT: 9.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

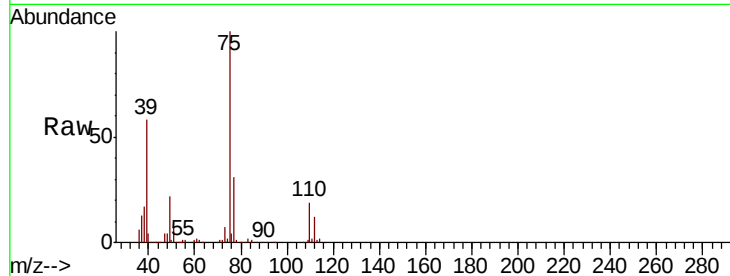
Acq: 4 Mar 2022 2:19

Tot Ion: 75 Resp: 609020

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.24

300000

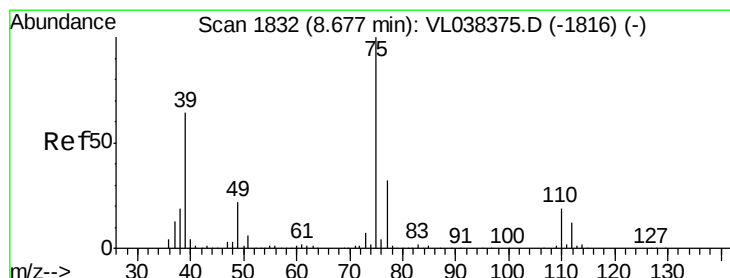
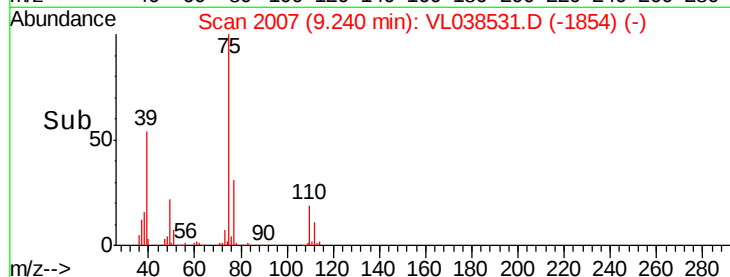
200000

100000

0

Time-->

9.15 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 11.714 ppbv

RT: 8.66 min Scan# 1828

Delta R.T. -0.01 min

Lab File: VL038531.D

Acq: 4 Mar 2022 2:19

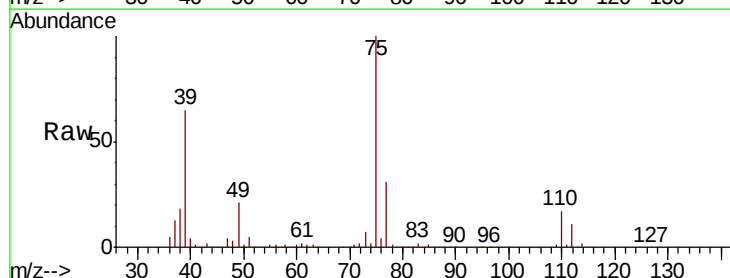
Tgt Ion: 75 Resp: 755693

Ion Ratio Lower Upper

75 100

39 65.1 51.4 77.2

77 31.4 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

500000

400000

300000

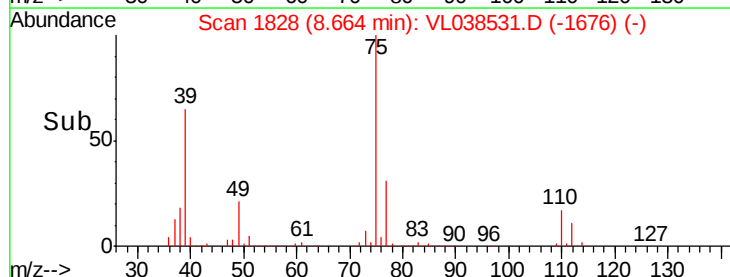
200000

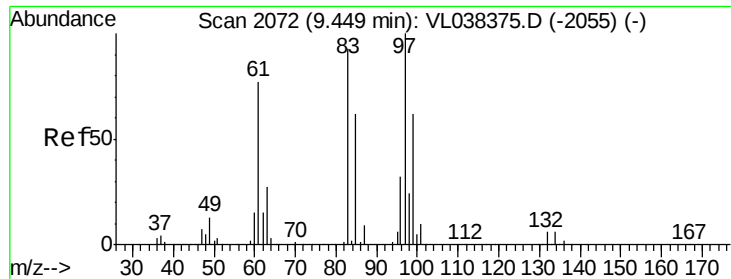
100000

0

Time-->

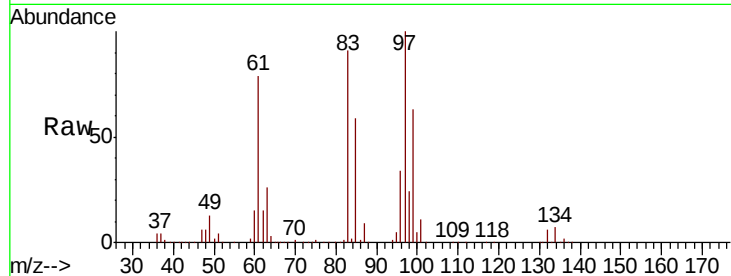
8.60 8.65 8.70 8.75





#47
 1,1,2-Trichloroethane
 Concen: 12.164 ppbv
 RT: 9.44 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 4 Mar 2022 2:19

Tot Ion:	97	Resp:	853963
Ion	Ratio	Lower	Upper
97	100		
83	90.6	74.2	111.4
85	59.1	49.8	74.8
99	63.1	49.5	74.3



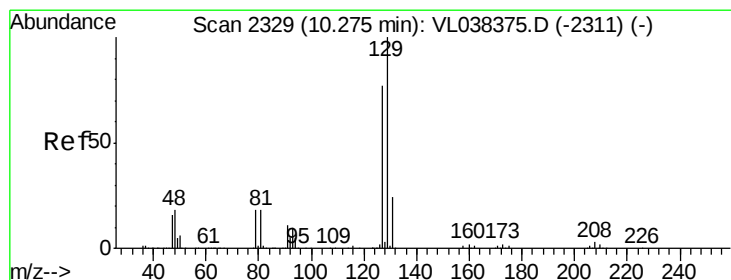
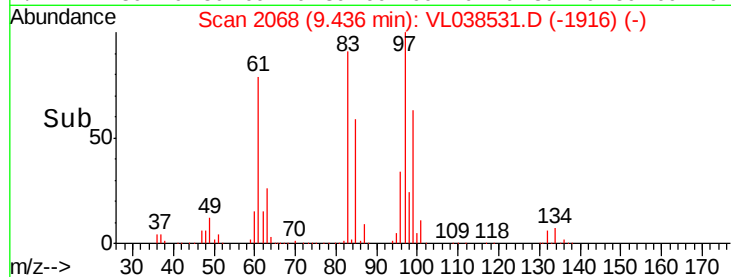
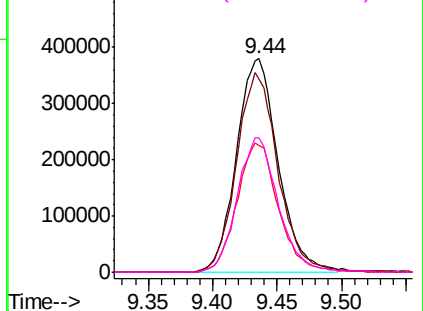
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

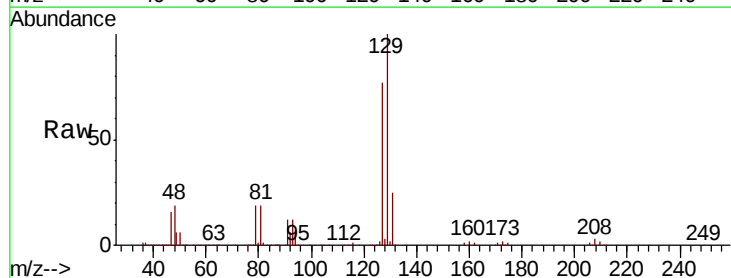
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 12.989 ppbv
 RT: 10.26 min Scan# 2324
 Delta R.T.: -0.02 min
 Lab File: VL038531.D
 Acq: 4 Mar 2022 2:19

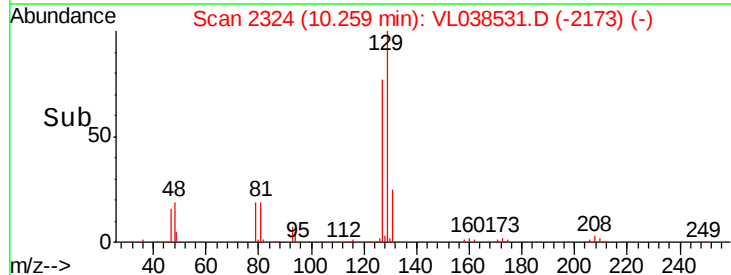
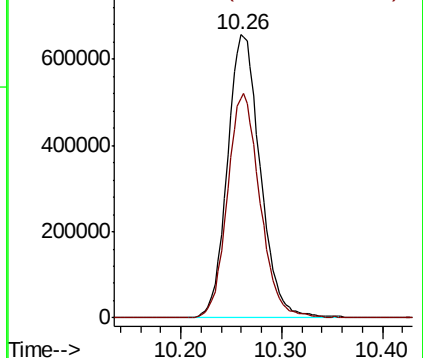
Tgt Ion:	129	Resp:	1491053
Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.1

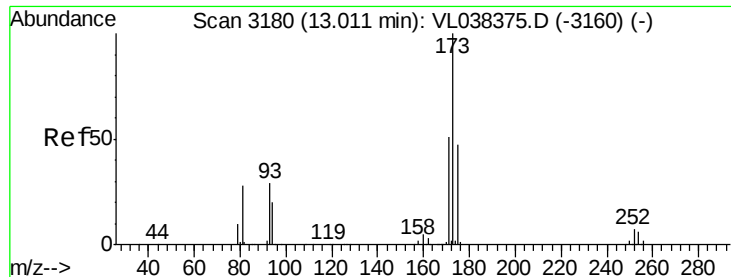


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 13.776 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 4 Mar 2022 2:19

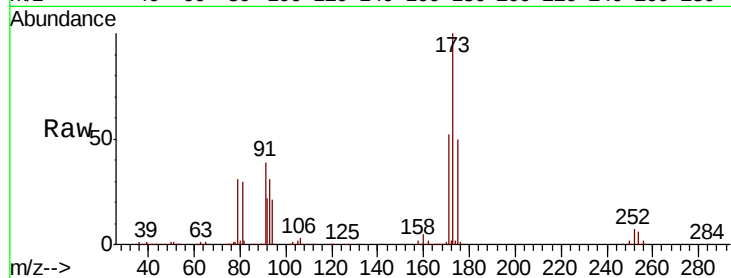
Tot Ion:173 Resp: 1167310

Ion Ratio Lower Upper

173 100

175 48.7 40.2 60.2

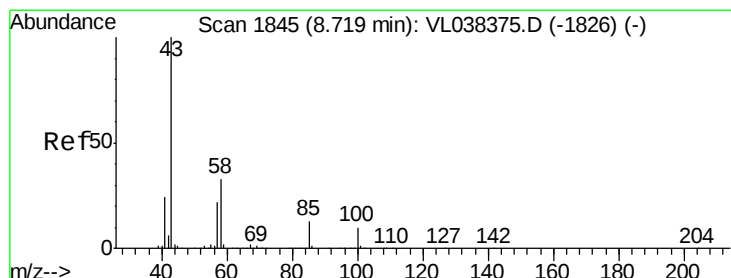
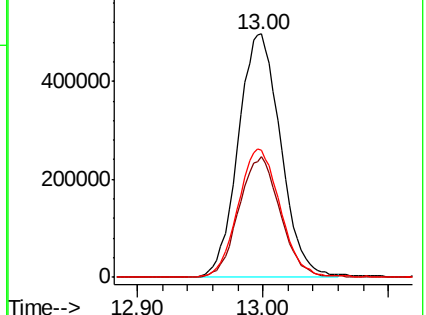
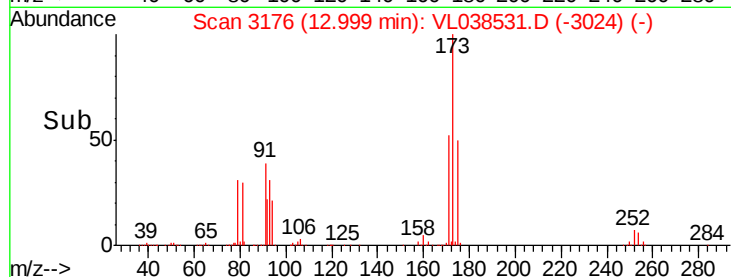
171 52.7 42.7 64.1



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: 13.191 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.02 min

Lab File: VL038531.D

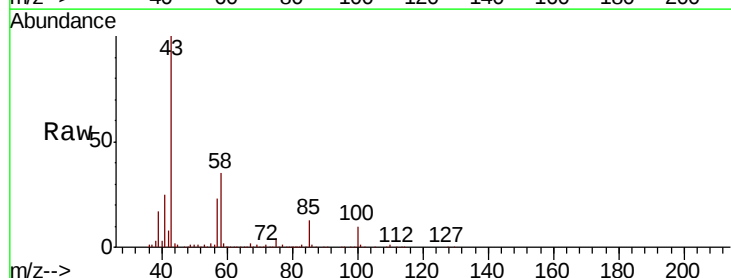
Acq: 4 Mar 2022 2:19

Tgt Ion: 43 Resp: 1476109

Ion Ratio Lower Upper

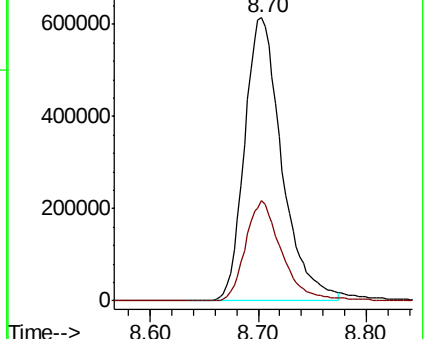
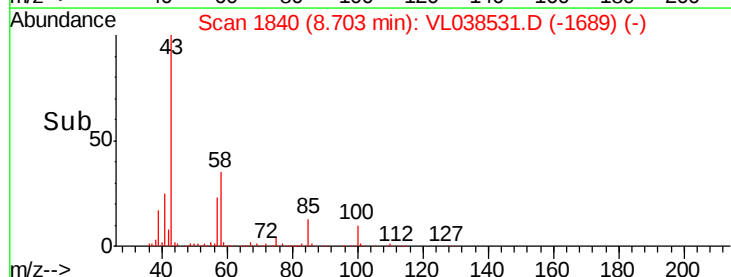
43 100

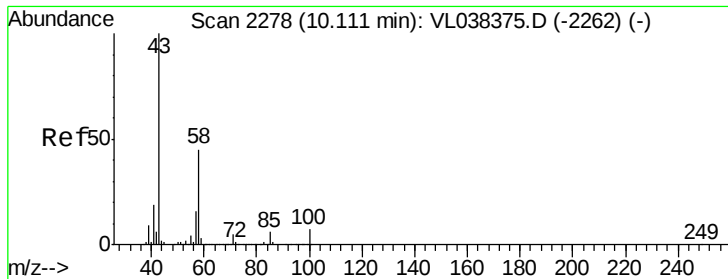
58 34.8 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 13.179 ppbv

RT: 10.10

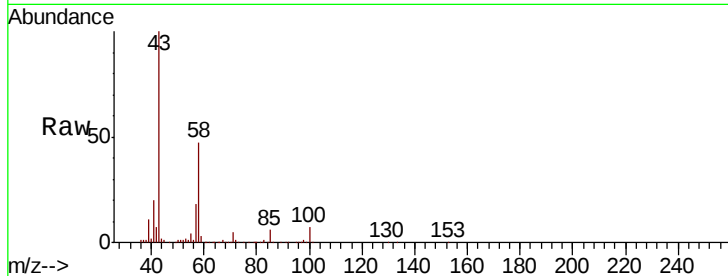
Delta R.T. MSVOA_L

Lab File:

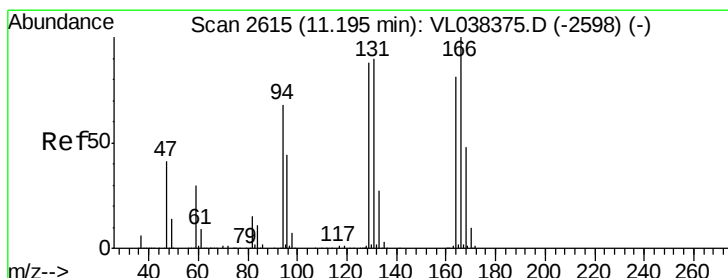
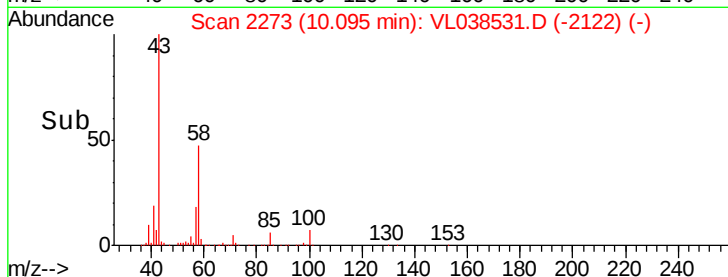
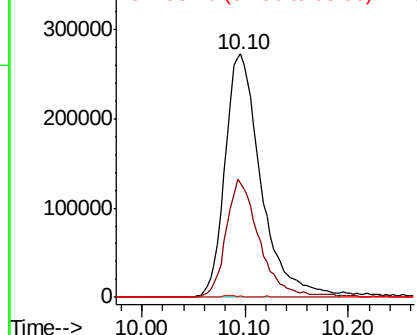
Acq: 4 Mar 2022 2:19

Tot Ion: 43 Resp: 660255

Ion	Ratio	Lower	Upper
43	100		
58	45.6	37.4	56.0
98	0.6	0.1	0.1#



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: 11.129 ppbv

RT: 11.18 min Scan# 2610

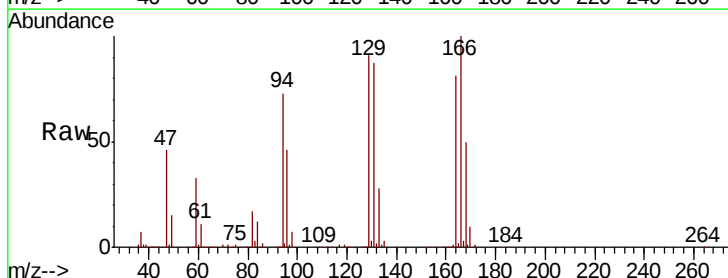
Delta R.T. -0.02 min

Lab File: VL038531.D

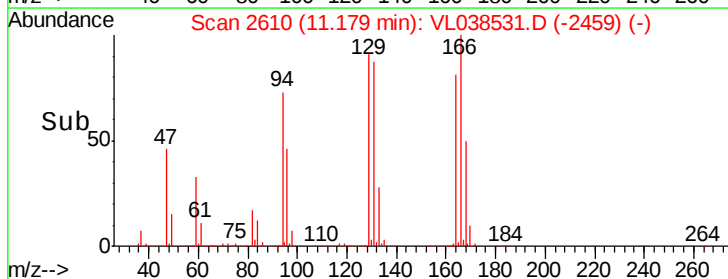
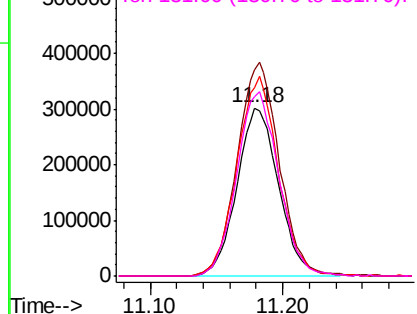
Acq: 4 Mar 2022 2:19

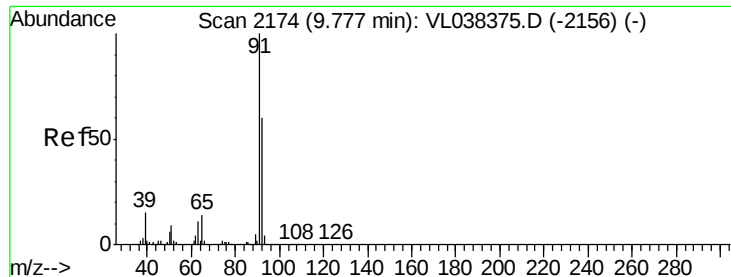
Tgt Ion: 164 Resp: 654521

Ion	Ratio	Lower	Upper
164	100		
166	122.9	98.6	148.0
129	112.1	86.9	130.3
131	106.8	88.6	133.0



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: 12.416 ppbv

RT: 9.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

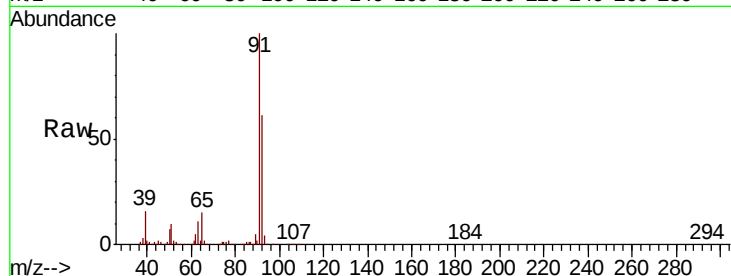
Acq: 4 Mar 2022 2:19

Tot Ion: 91 Resp: 2388344

Ion Ratio Lower Upper

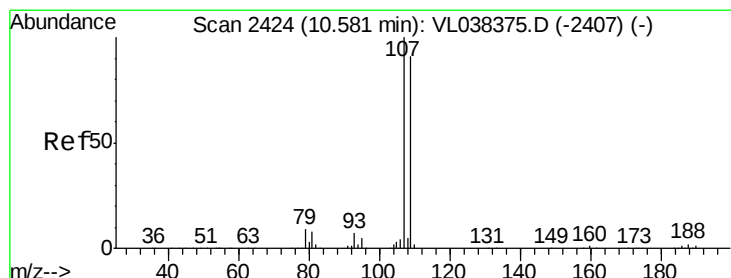
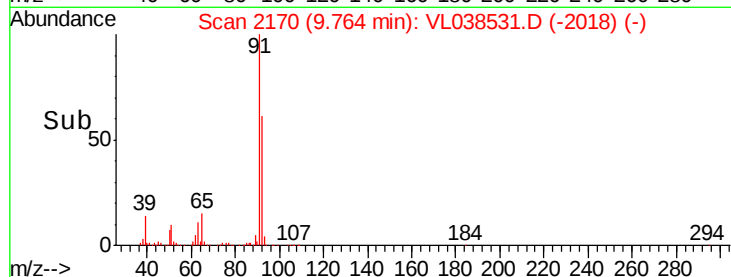
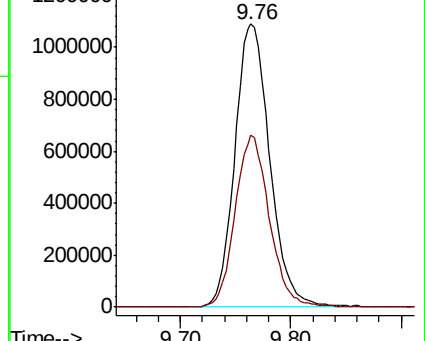
91 100

92 59.8 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 12.541 ppbv

RT: 10.57 min Scan# 2420

Delta R.T. -0.01 min

Lab File: VL038531.D

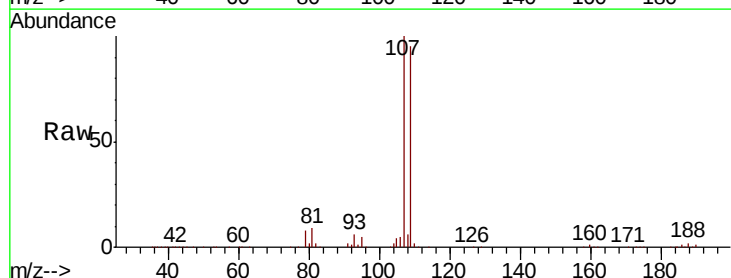
Acq: 4 Mar 2022 2:19

Tgt Ion: 107 Resp: 1239416

Ion Ratio Lower Upper

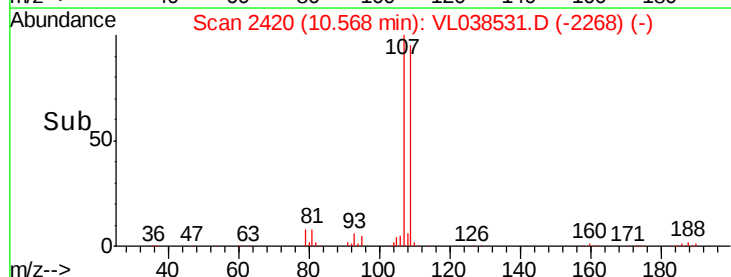
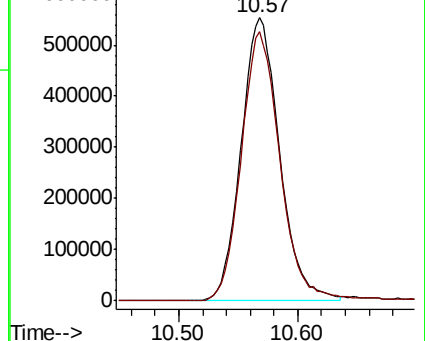
107 100

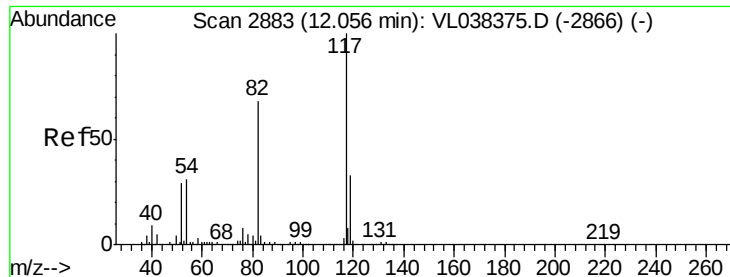
109 95.1 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

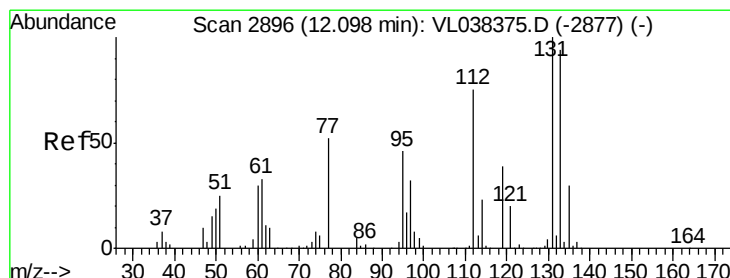
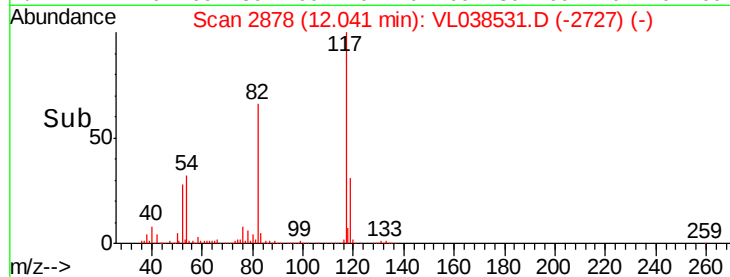
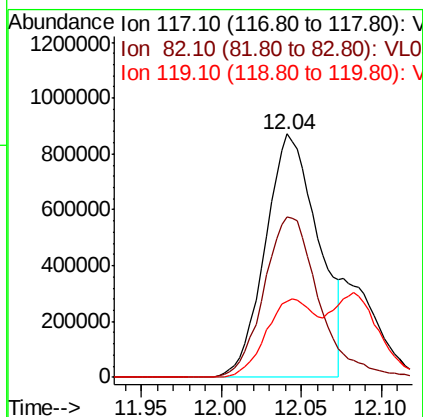
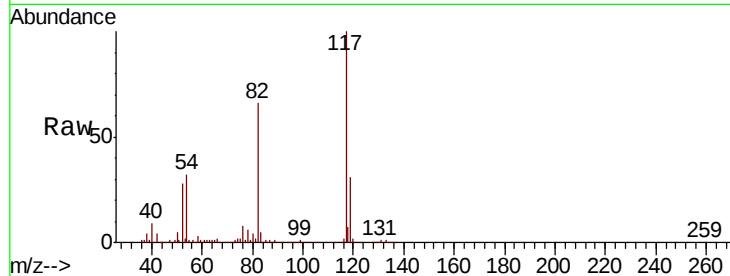
Ion 109.00 (108.70 to 109.70): V





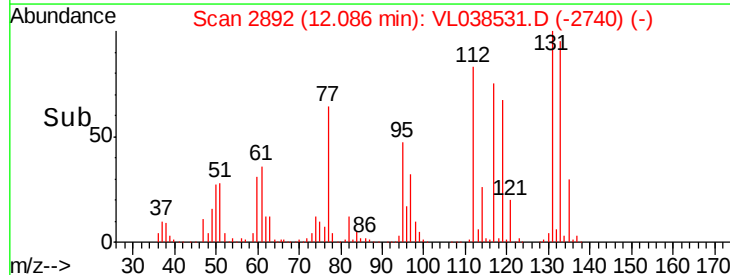
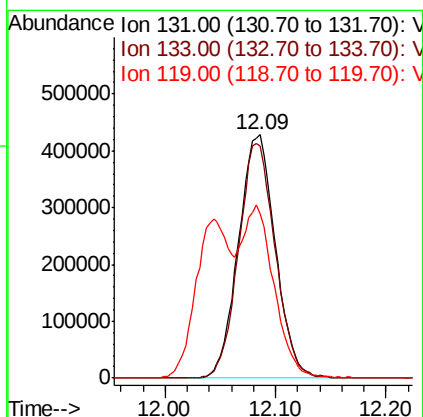
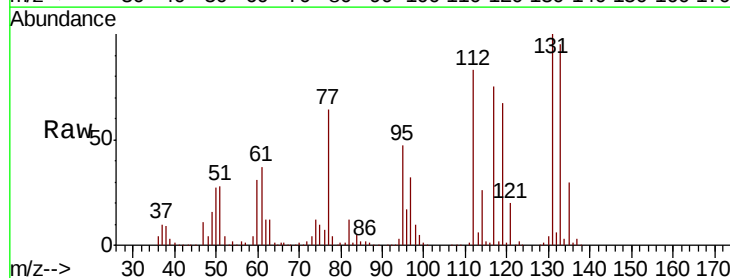
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Mar 2022 2:19

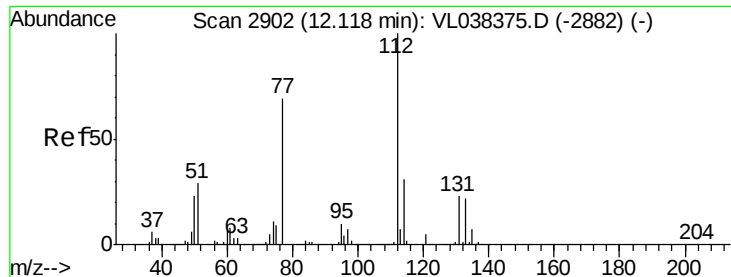
Tot Ion:117 Resp: 2000923
Ion Ratio Lower Upper
117 100
82 68.9 54.9 82.3
119 26.9 46.1 69.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 11.924 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL038531.D
Acq: 4 Mar 2022 2:19

Tgt Ion:131 Resp: 994446
Ion Ratio Lower Upper
131 100
133 96.0 77.3 115.9
119 71.4 48.6 73.0





#57

Chlorobenzene

Concen: 11.159 ppbv

RT: 12.10

Delta R.T. MSVOA_L

Lab File:

Acq: 4 Mar 2022 2:19

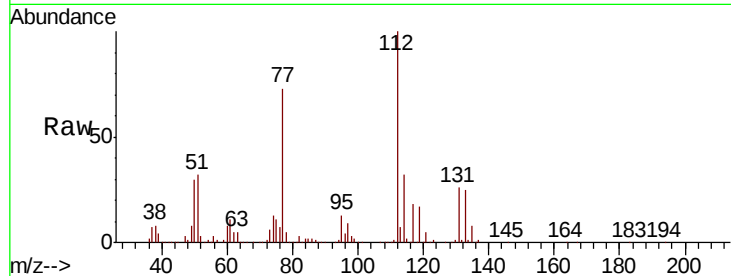
Tot Ion:112 Resp: 1722776

Ion Ratio Lower Upper

112 100

77 72.5 55.2 82.8

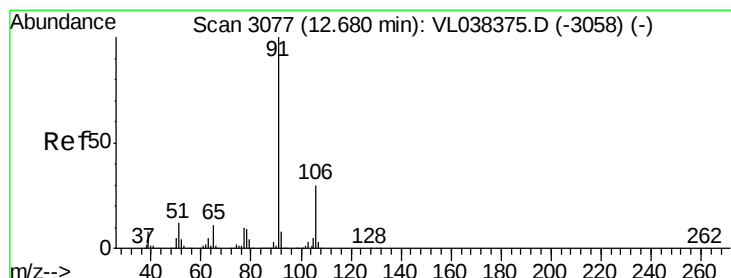
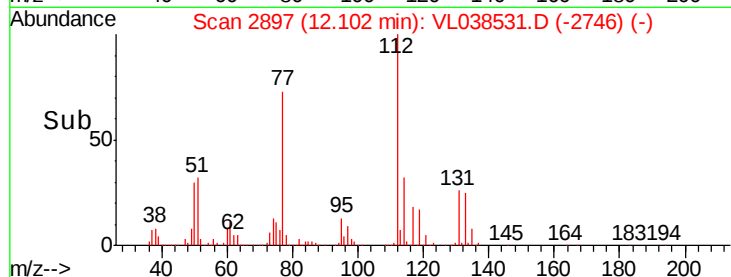
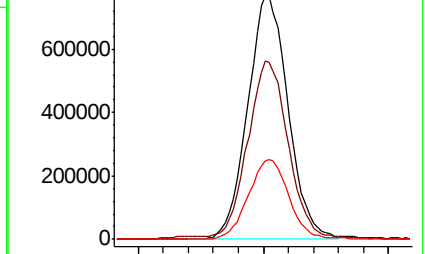
114 32.0 27.9 34.1



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: 12.013 ppbv

RT: 12.67 min Scan# 3073

Delta R.T. -0.01 min

Lab File: VL038531.D

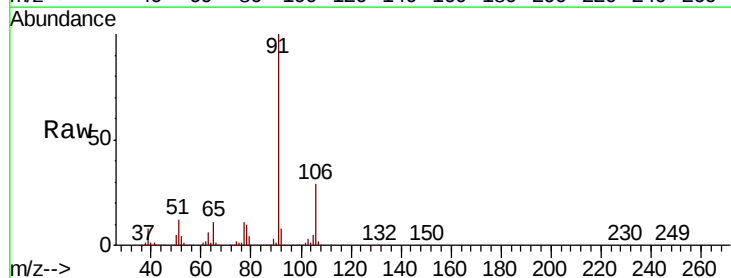
Acq: 4 Mar 2022 2:19

Tgt Ion: 91 Resp: 3286927

Ion Ratio Lower Upper

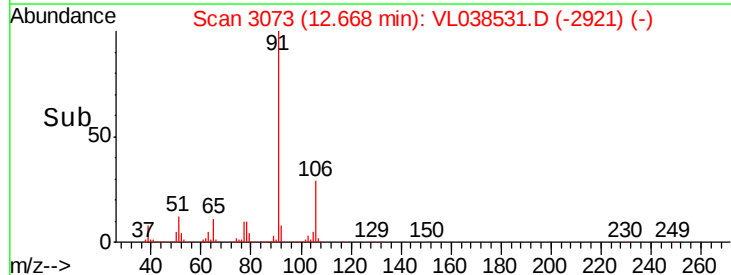
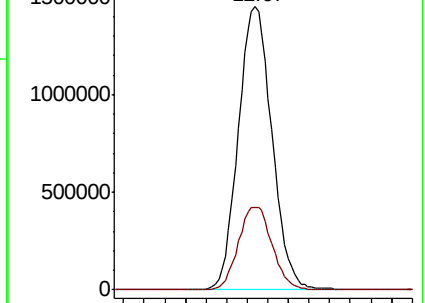
91 100

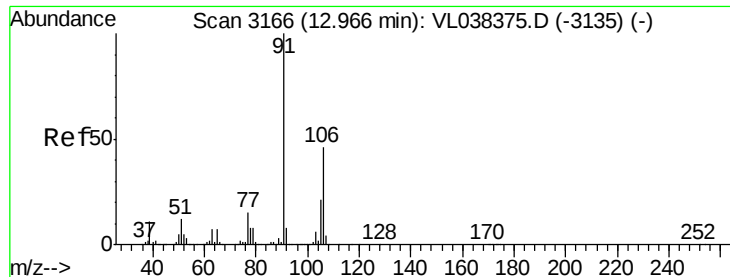
106 29.3 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

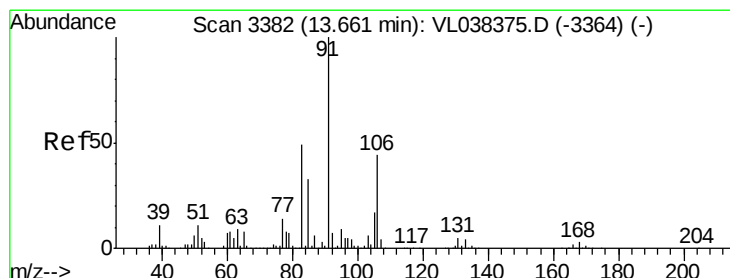
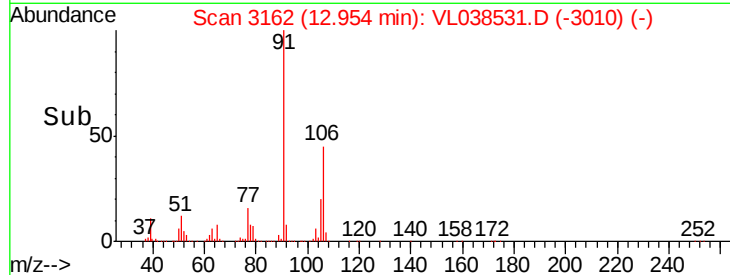
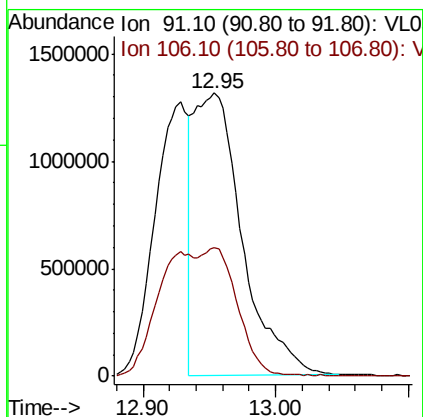
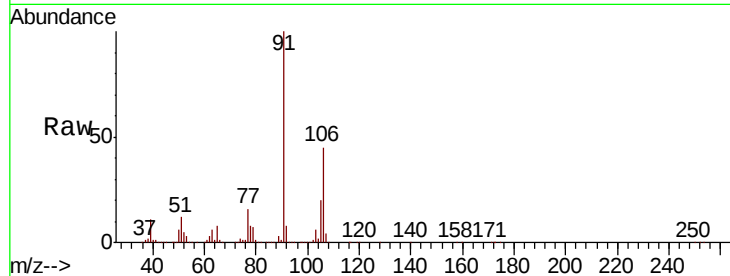
Ion 106.10 (105.80 to 106.80): V





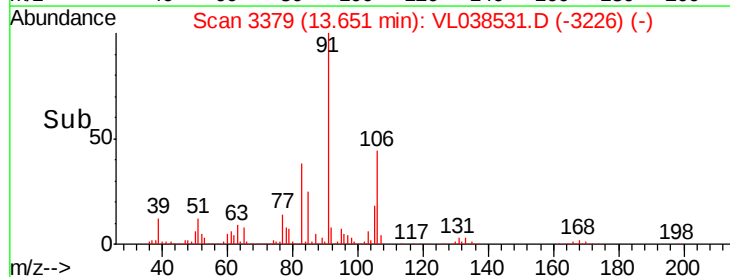
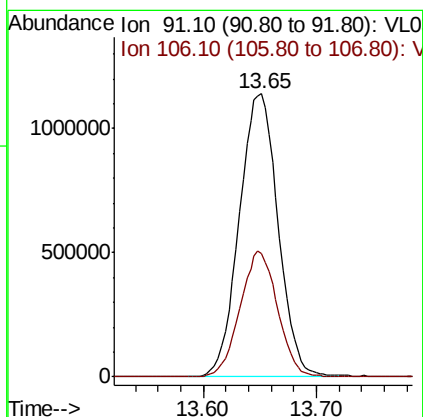
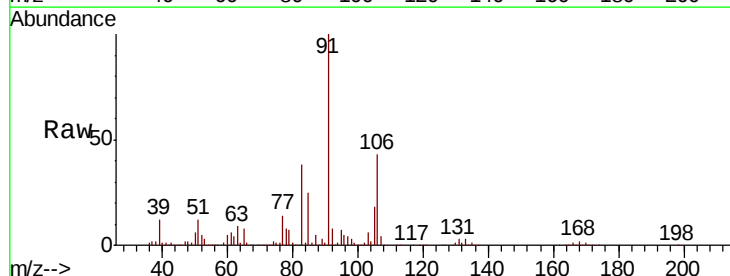
#59
m/p-Xylene
Concen: 14.044 ppbv
RT: 12.95 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 4 Mar 2022 2:19

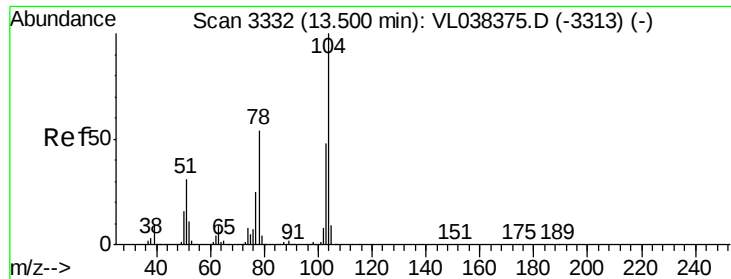
Tot Ion: 91 Resp: 3300287
Ion Ratio Lower Upper
91 100
106 71.4 34.4 51.6#



#60
o-Xylene
Concen: 12.210 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.01 min
Lab File: VL038531.D
Acq: 4 Mar 2022 2:19

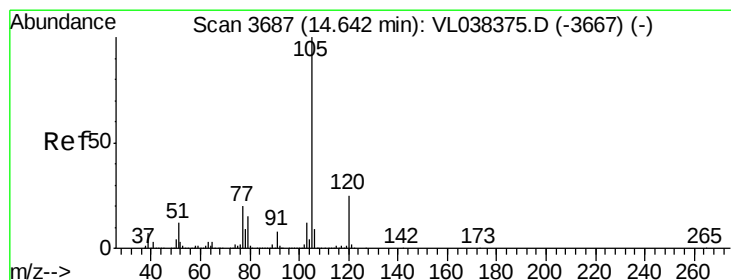
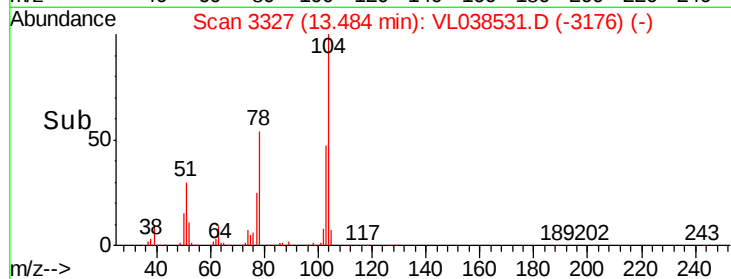
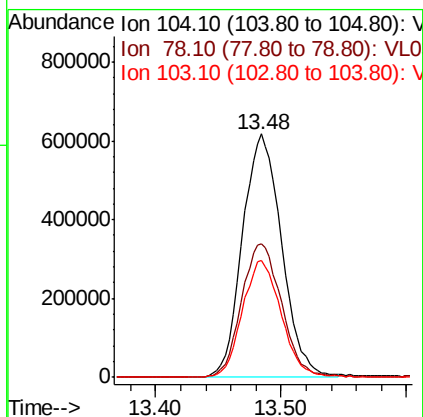
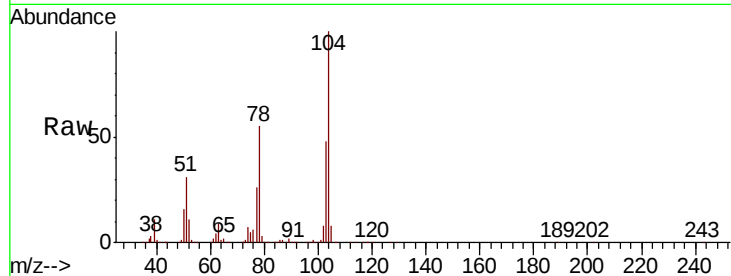
Tgt Ion: 91 Resp: 2712258
Ion Ratio Lower Upper
91 100
106 43.2 21.9 65.5





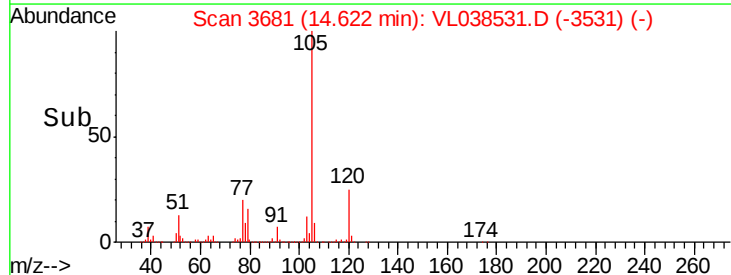
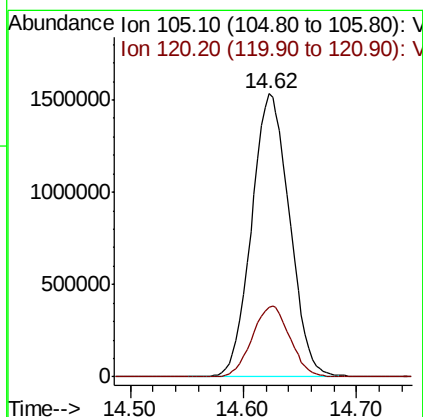
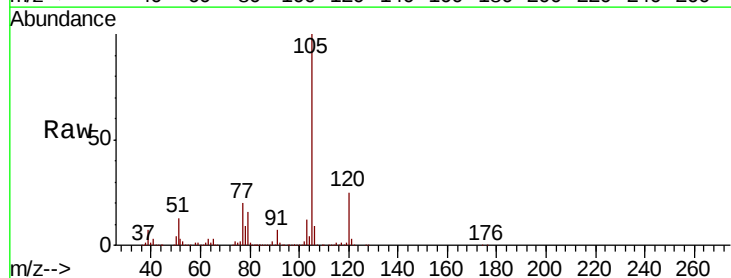
#61
Stvrene
Concen: 13.092 ppbv
RT: 13.48 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Mar 2022 2:19

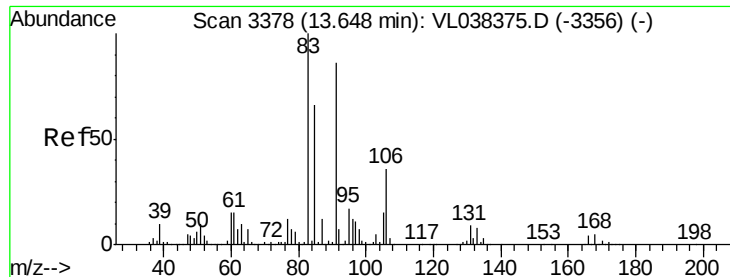
Tot Ion:104 Resp: 1341364
Ion Ratio Lower Upper
104 100
78 56.5 44.2 66.4
103 47.7 38.4 57.6



#62
Isopropylbenzene
Concen: 11.961 ppbv
RT: 14.62 min Scan# 3681
Delta R.T. -0.02 min
Lab File: VL038531.D
Acq: 4 Mar 2022 2:19

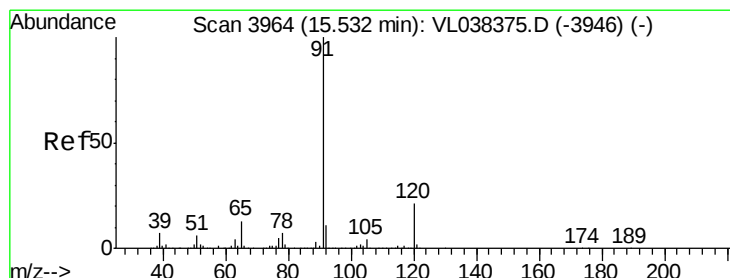
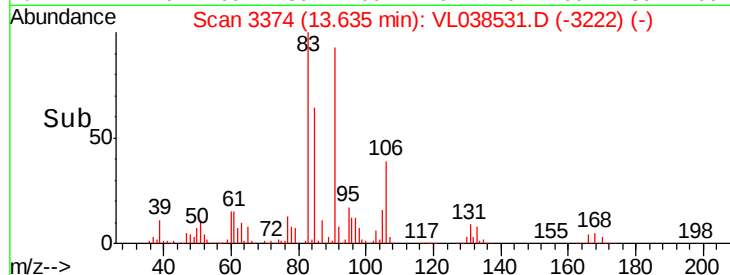
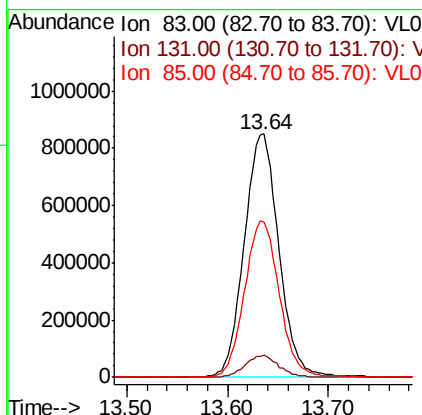
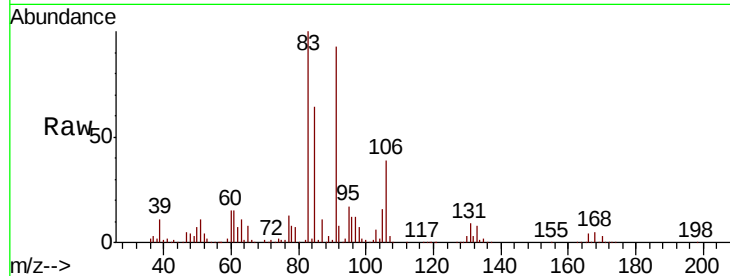
Tgt Ion:105 Resp: 3566122
Ion Ratio Lower Upper
105 100
120 24.9 20.6 30.8





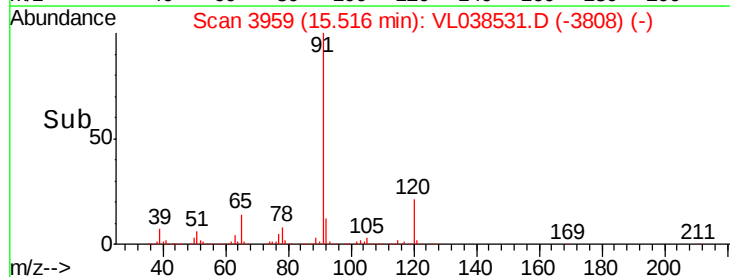
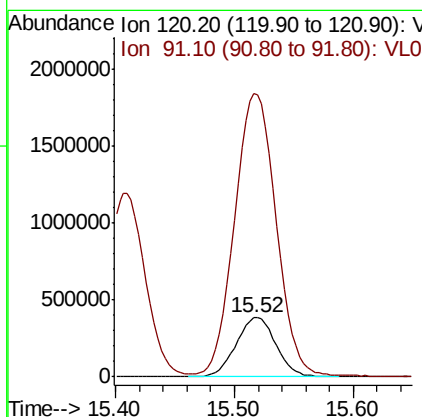
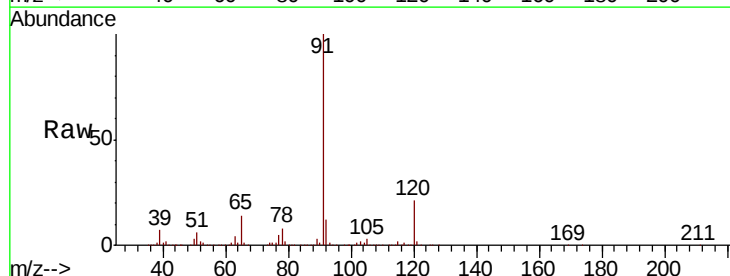
#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.165 ppbv
 RT: 13.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 2:19

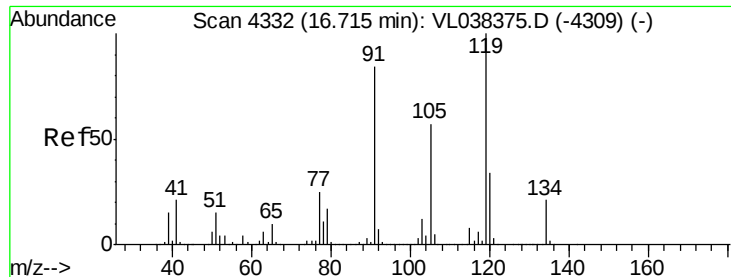
Tot Ion: 83 Resp: 2015175
 Ion Ratio Lower Upper
 83 100
 131 8.8 4.5 13.7
 85 65.4 33.0 99.0



#64
 n-propylbenzene
 Concen: 12.149 ppbv
 RT: 15.52 min Scan# 3959
 Delta R.T. -0.02 min
 Lab File: VL038531.D
 Acq: 4 Mar 2022 2:19

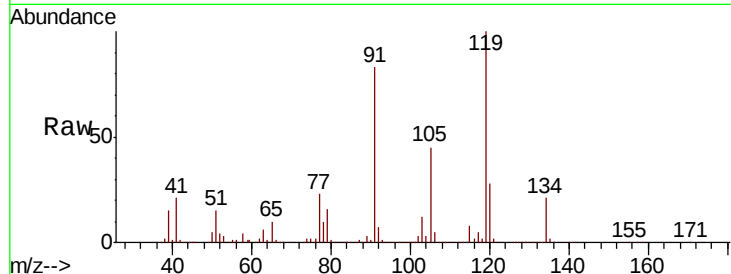
Tgt Ion: 120 Resp: 896830
 Ion Ratio Lower Upper
 120 100
 91 498.4 388.1 582.1



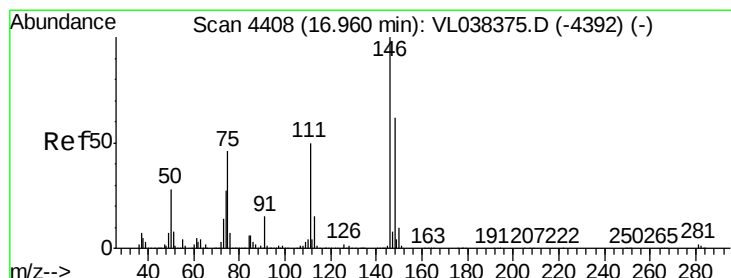
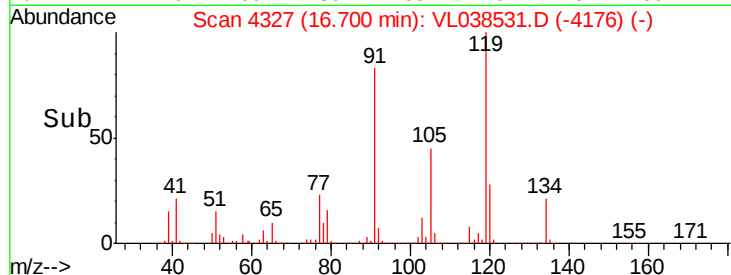
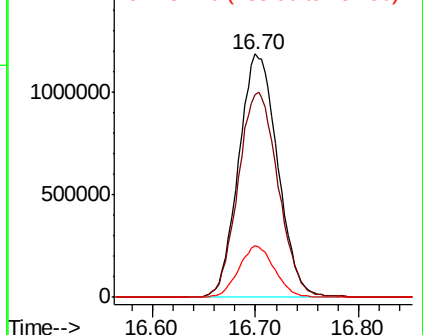


#65
tert-Butylbenzene
Concen: 12.071 ppbv
RT: 16.70 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Mar 2022 2:19

Tot Ion: 119 Resp: 3117249
Ion Ratio Lower Upper
119 100
91 86.8 68.0 102.0
134 19.6 15.8 23.8

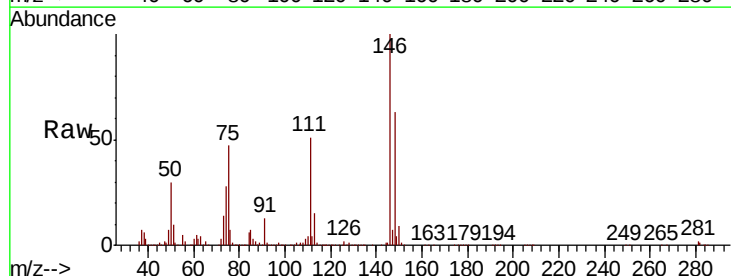


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

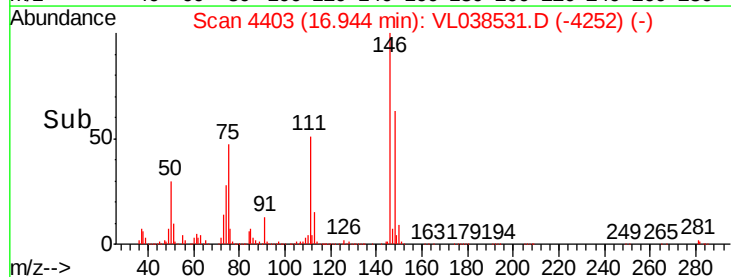
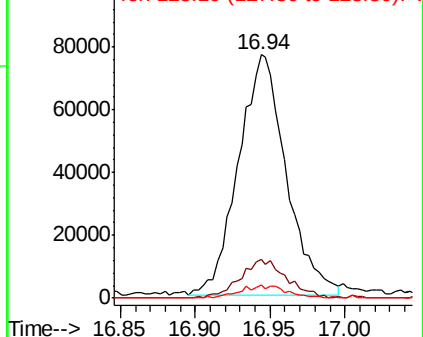


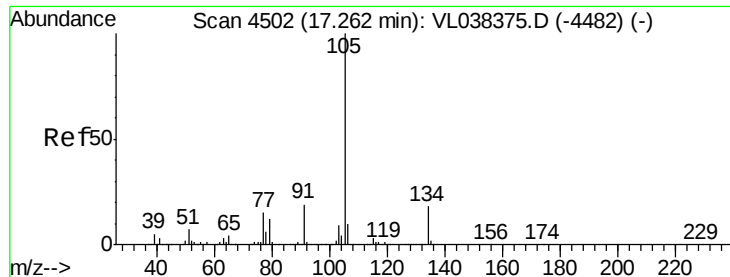
#66
Benzyl Chloride
Concen: 12.181 ppbv
RT: 16.94 min Scan# 4403
Delta R.T.: -0.02 min
Lab File: VL038531.D
Acq: 4 Mar 2022 2:19

Tgt Ion: 91 Resp: 169965
Ion Ratio Lower Upper
91 100
126 15.9 12.3 18.5
128 5.3 4.2 6.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 12.153 ppbv

RT: 17.25

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

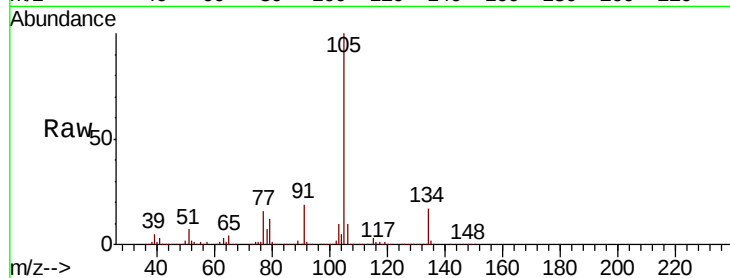
Acq: 4 Mar 2022 2:19

Tot Ion:105 Resp: 4446396

Ion Ratio Lower Upper

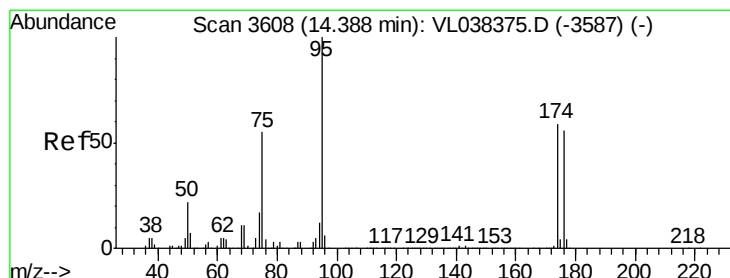
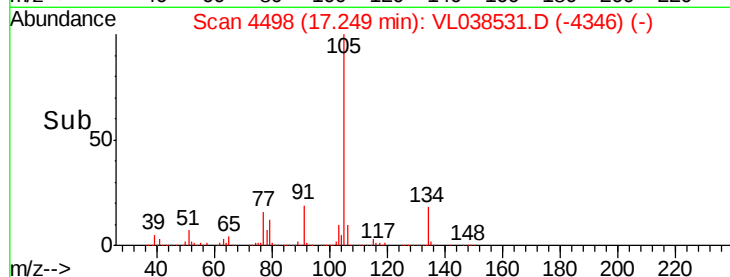
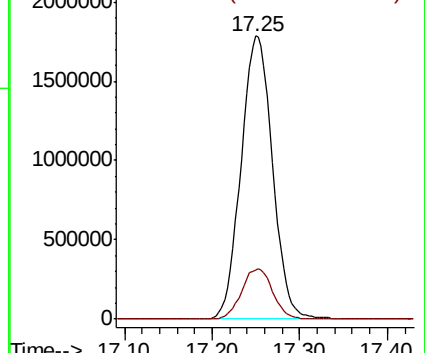
105 100

134 17.7 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.757 ppbv

RT: 14.37 min Scan# 3603

Delta R.T. -0.02 min

Lab File: VL038531.D

Acq: 4 Mar 2022 2:19

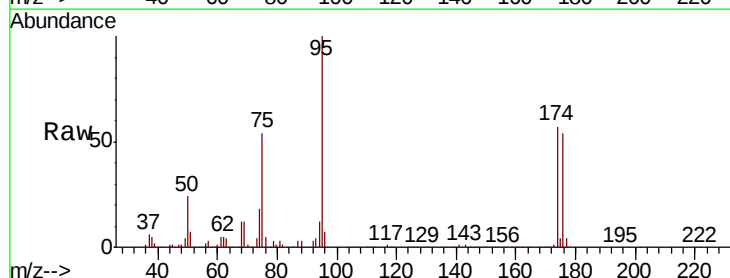
Tgt Ion: 95 Resp: 1780976

Ion Ratio Lower Upper

95 100

174 56.3 49.0 73.4

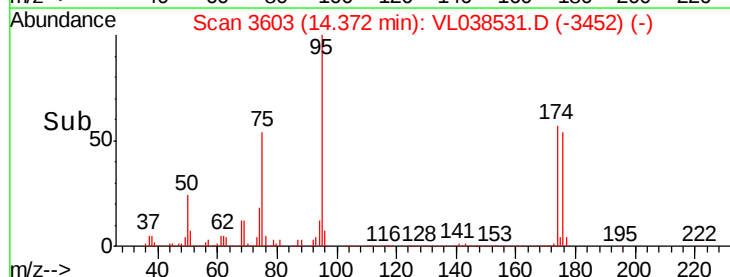
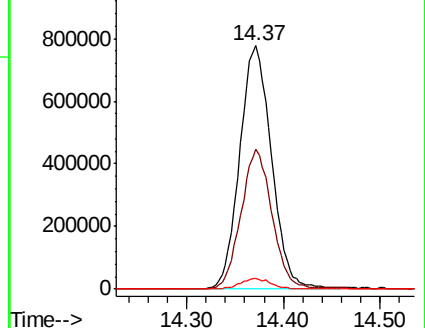
175 4.3 3.6 5.4

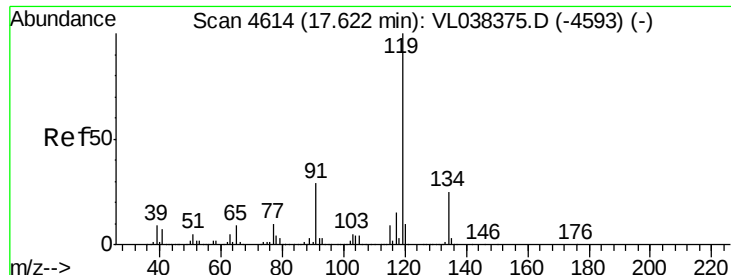


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

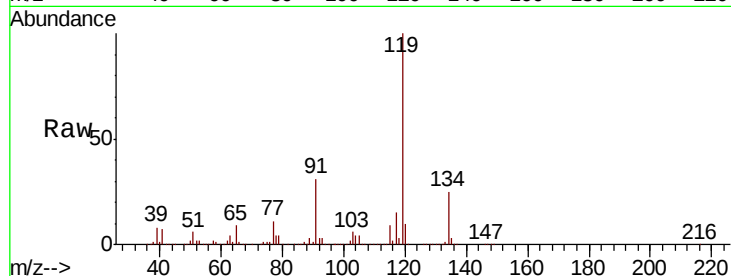
Ion 175.00 (174.70 to 175.70): V



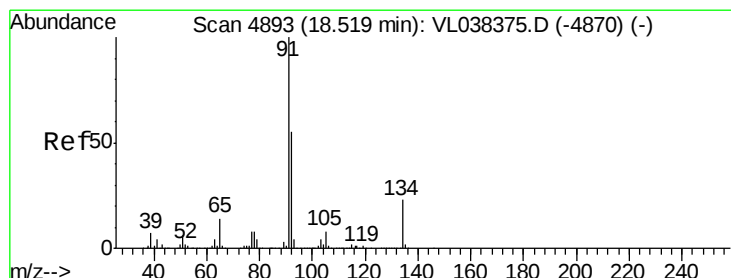
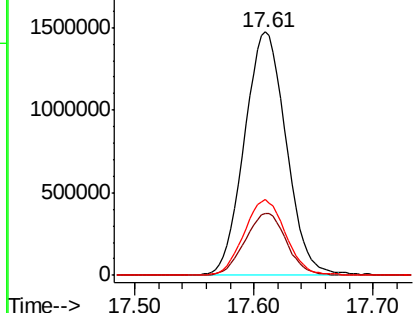
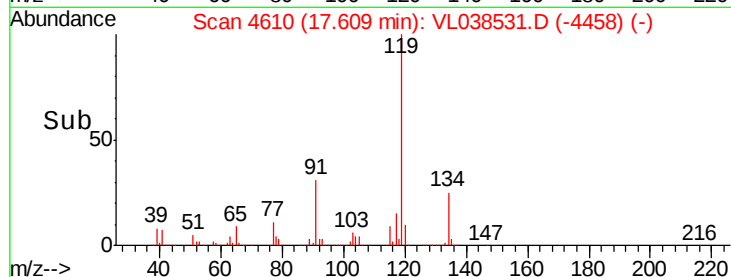


#69
 p-Isopropyltoluene
 Concen: 12.442 ppbv
 RT: 17.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 2:19

Tot Ion: 119 Resp: 3575782
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.4 30.6
 91 31.1 23.8 35.8

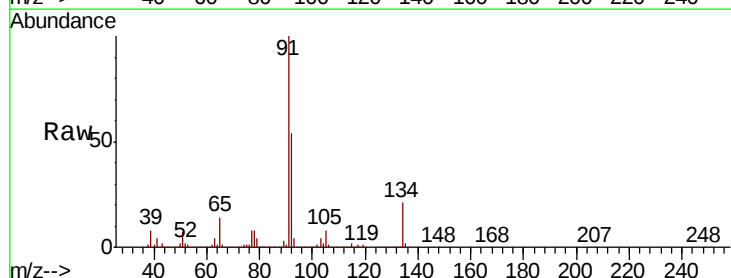


Abundance Ion 119.10 (118.80 to 119.80): V
 2000000 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

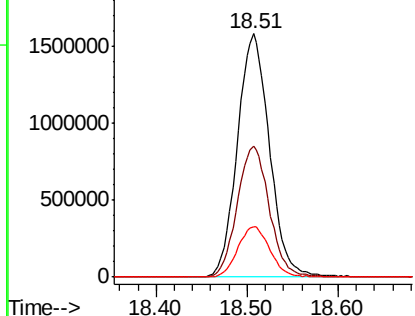
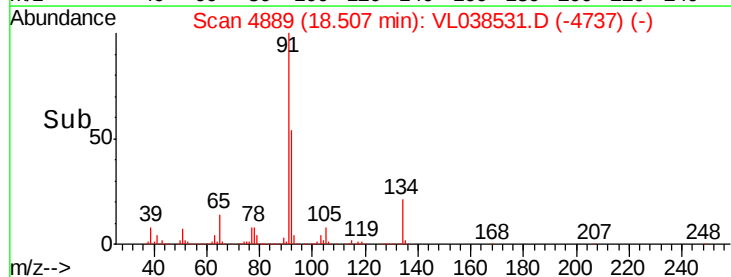


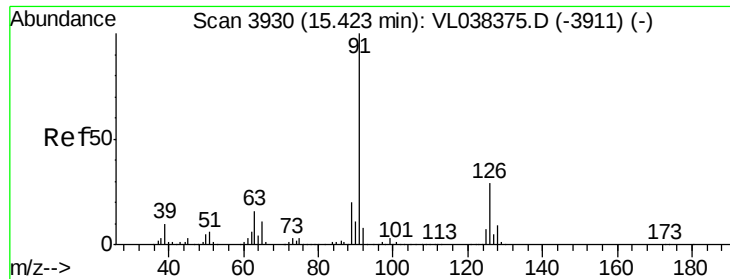
#70
 n-Butylbenzene
 Concen: 13.042 ppbv
 RT: 18.51 min Scan# 4889
 Delta R.T. -0.01 min
 Lab File: VL038531.D
 Acq: 4 Mar 2022 2:19

Tgt Ion: 91 Resp: 3878725
 Ion Ratio Lower Upper
 91 100
 92 54.2 43.1 64.7
 134 21.0 17.4 26.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 2000000 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 12.238 ppbv

RT: 15.41

Delta R.T. MSVOA_L

Lab File:

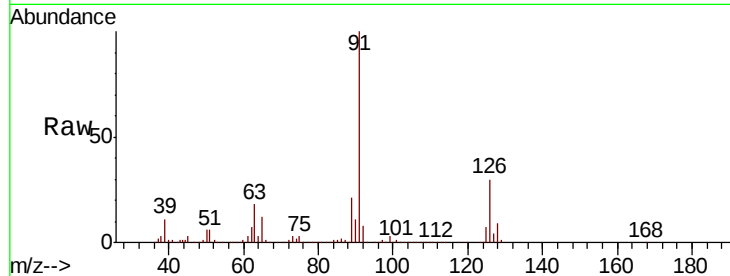
Acq: 4 Mar 2022 2:19

Tot Ion: 91 Resp: 2805609

Ion Ratio Lower Upper

91 100

126 28.8 11.9 47.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

1000000

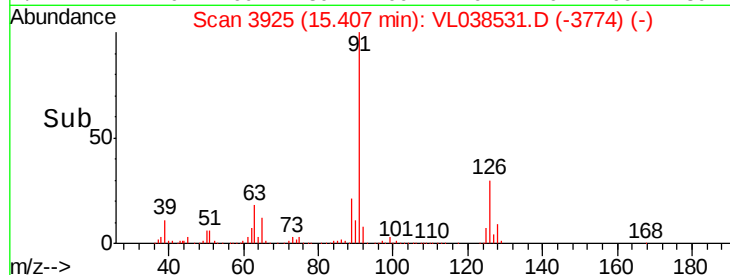
500000

0

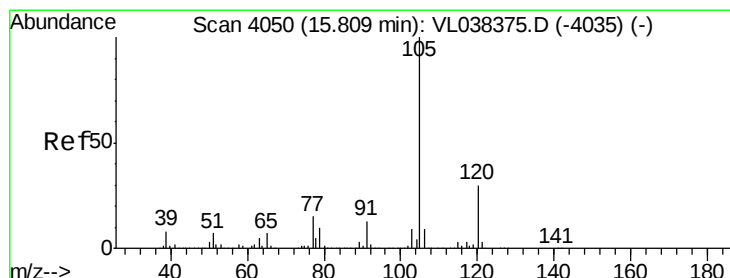
15.30

15.40

15.50



Time-->



#72

4-Ethyltoluene

Concen: 12.707 ppbv

RT: 15.80 min Scan# 4046

Delta R.T. -0.01 min

Lab File: VL038531.D

Acq: 4 Mar 2022 2:19

Tgt Ion:105 Resp: 3110024

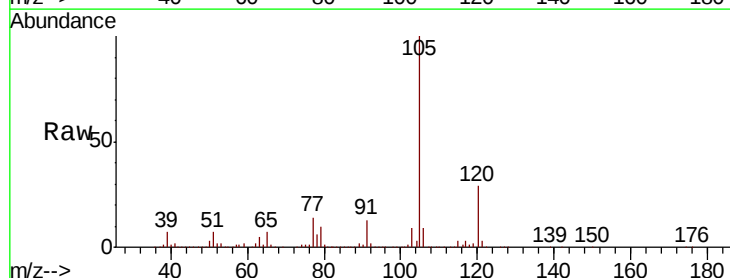
Ion Ratio Lower Upper

105 100

120 28.7 23.4 35.2

91 13.3 10.4 15.6

77 15.3 11.6 17.4



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

2000000

1500000

1000000

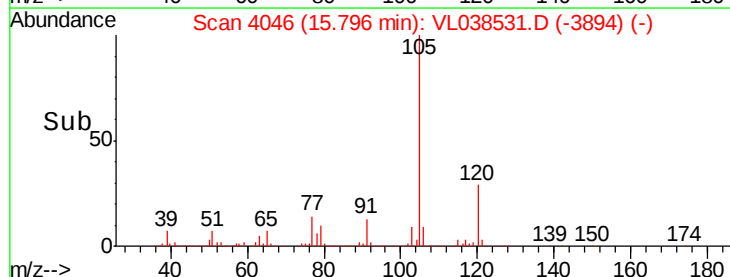
500000

0

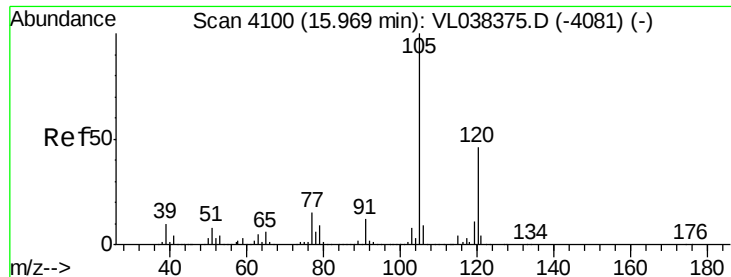
15.70

15.80

15.90

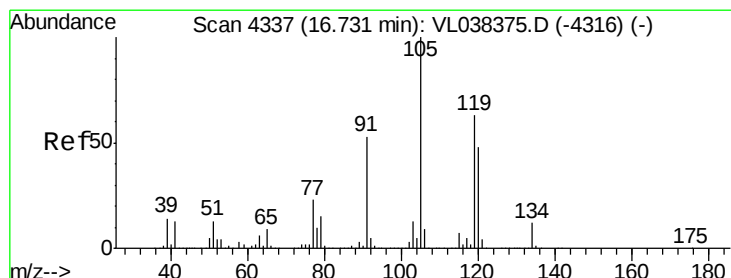
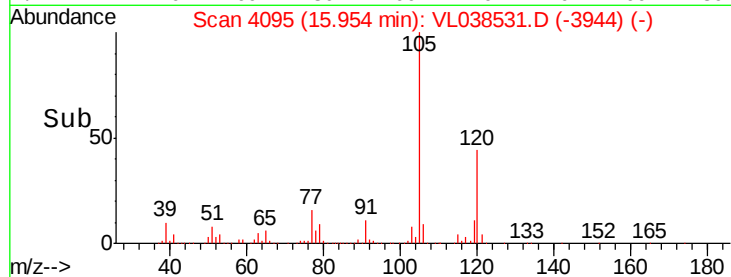
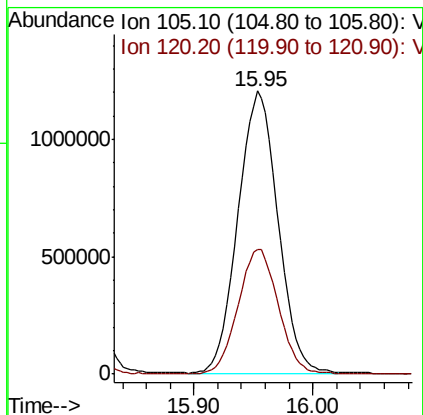
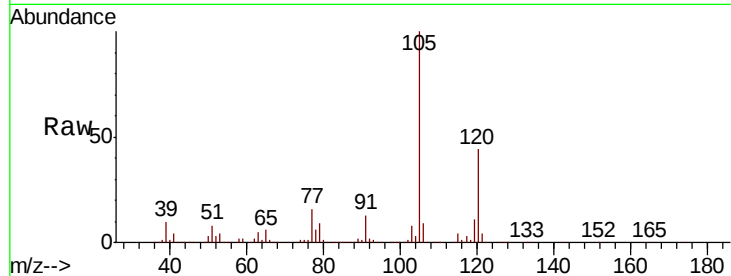


Time-->



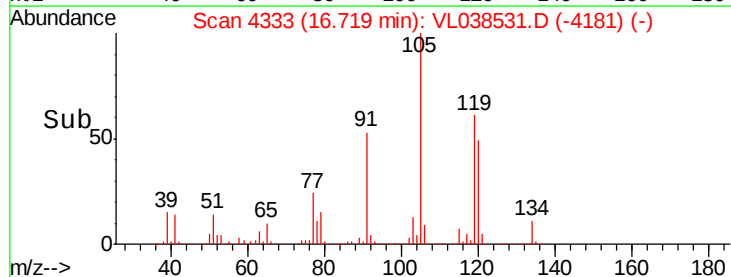
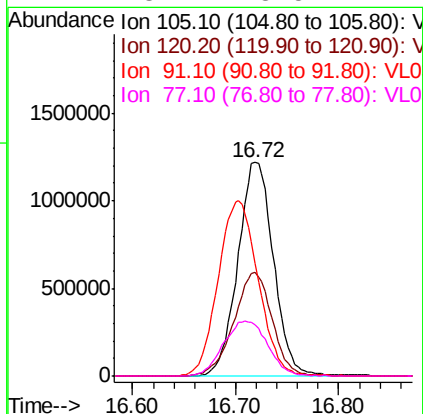
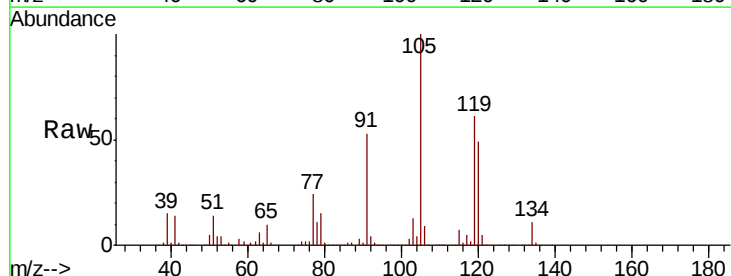
#73
 1,3,5-Trimethylbenzene
 Concen: 12.547 ppbv
 RT: 15.95 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 4 Mar 2022 2:19

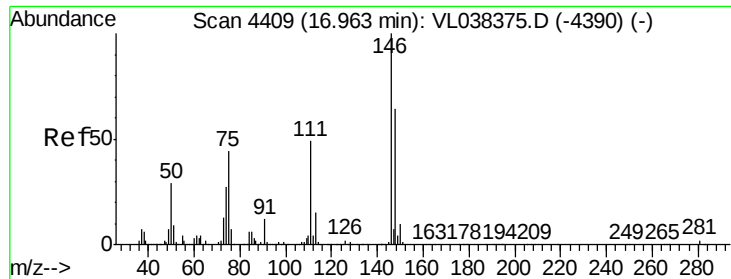
Tot Ion:105 Resp: 2788711
 Ion Ratio Lower Upper
 105 100
 120 44.2 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 12.457 ppbv
 RT: 16.72 min Scan# 4333
 Delta R.T.: -0.01 min
 Lab File: VL038531.D
 Acq: 4 Mar 2022 2:19

Tgt Ion:105 Resp: 2923227
 Ion Ratio Lower Upper
 105 100
 120 48.6 38.2 57.4
 91 52.7 42.7 64.1
 77 23.7 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 12.007 ppbv

RT: 16.95

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 4 Mar 2022 2:19

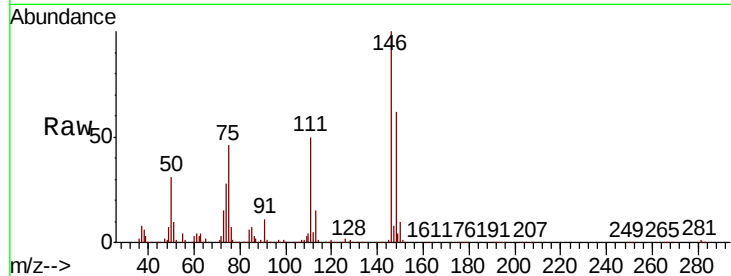
Tot Ion:146 Resp: 1578134

Ion Ratio Lower Upper

146 100

111 50.1 24.3 72.9

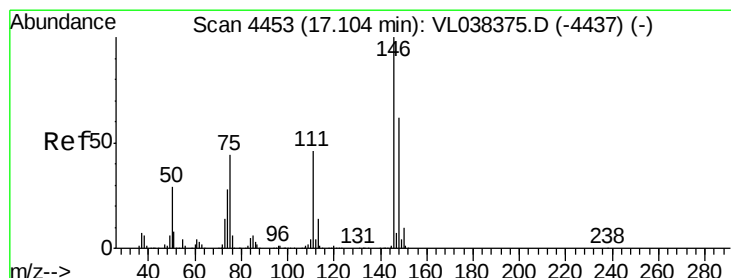
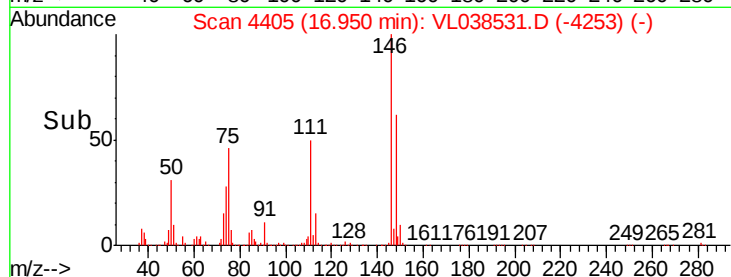
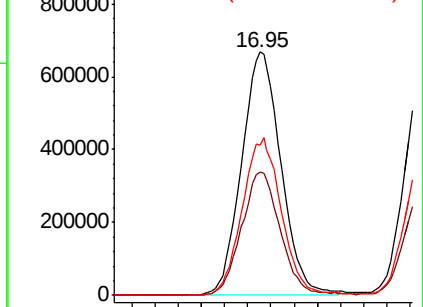
148 64.6 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 11.694 ppbv

RT: 17.10 min Scan# 4450

Delta R.T. -0.01 min

Lab File: VL038531.D

Acq: 4 Mar 2022 2:19

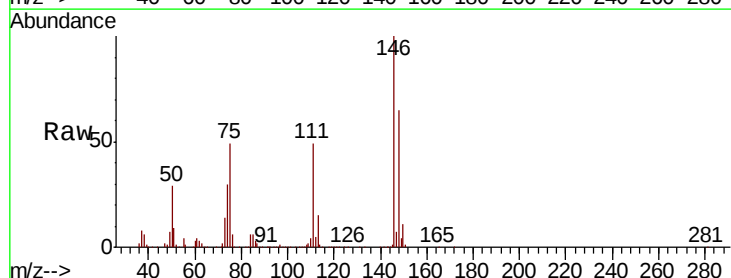
Tgt Ion:146 Resp: 1515670

Ion Ratio Lower Upper

146 100

111 49.6 24.1 72.2

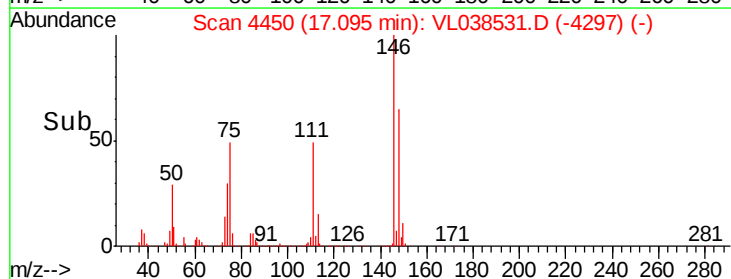
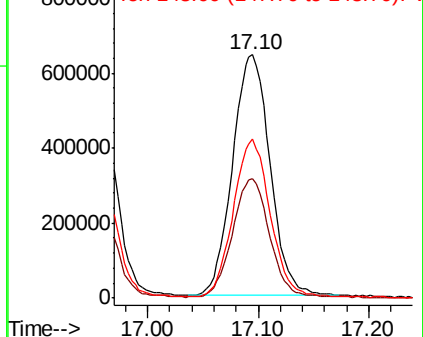
148 66.2 32.8 98.4

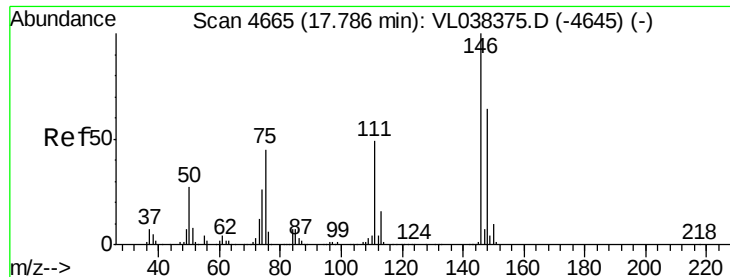


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 11.798 ppbv

RT: 17.77

Delta R.T. MSVOA_L

Lab File:

Acq: 4 Mar 2022 2:19

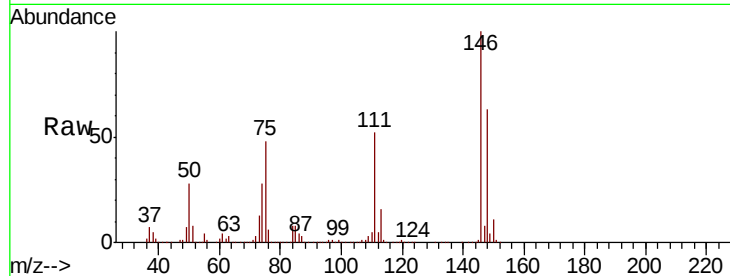
Tot Ion:146 Resp: 1492679

Ion Ratio Lower Upper

146 100

111 52.1 25.6 76.6

148 65.7 32.4 97.2

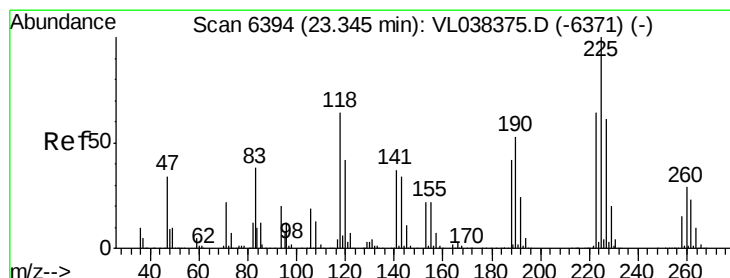
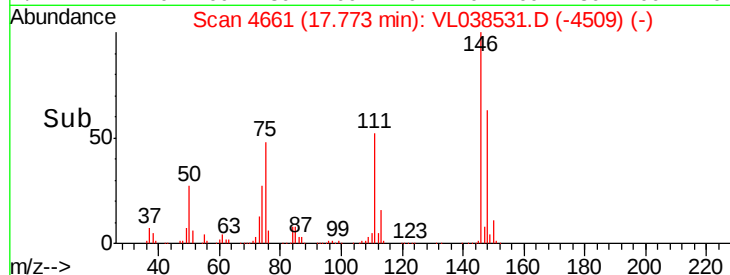
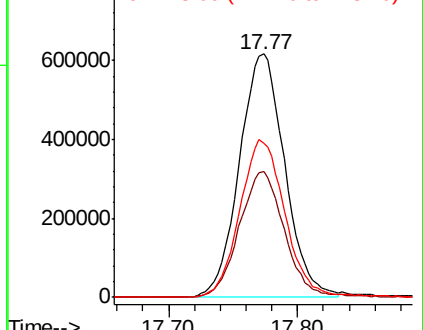


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 11.493 ppbv

RT: 23.33 min Scan# 6390

Delta R.T. -0.01 min

Lab File: VL038531.D

Acq: 4 Mar 2022 2:19

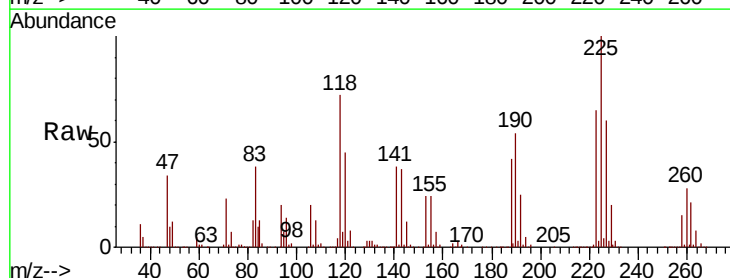
Tgt Ion:225 Resp: 1108902

Ion Ratio Lower Upper

225 100

223 64.9 52.0 78.0

227 64.7 51.6 77.4

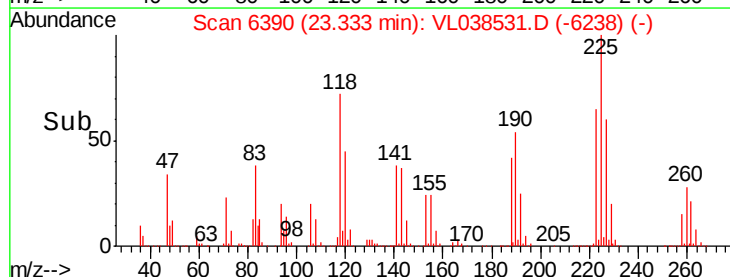
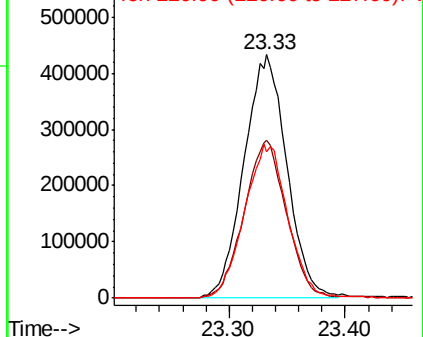


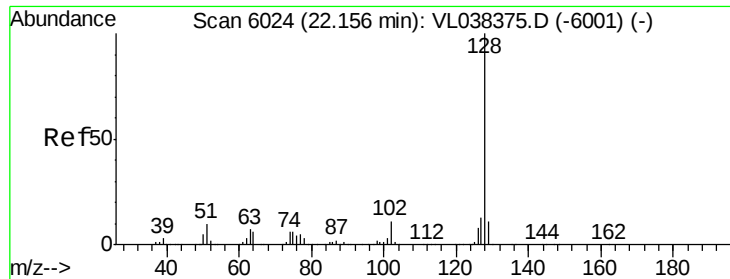
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 15.055 ppbv

RT: 22.14 min

Delta R.T. MSVOA_L

Lab File:

Acq: 4 Mar 2022 2:19

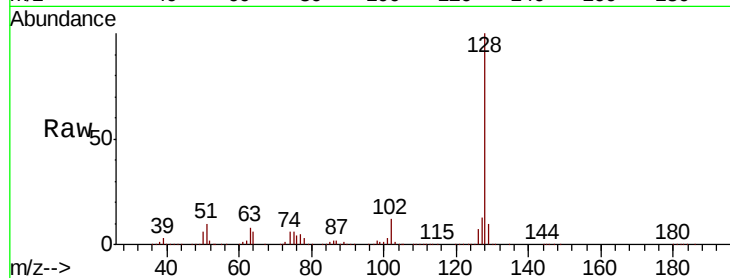
Tot Ion:128 Resp: 1914244

Ion Ratio Lower Upper

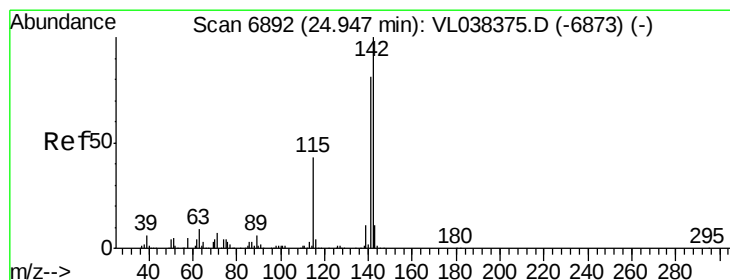
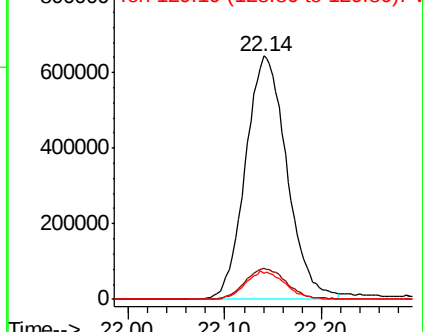
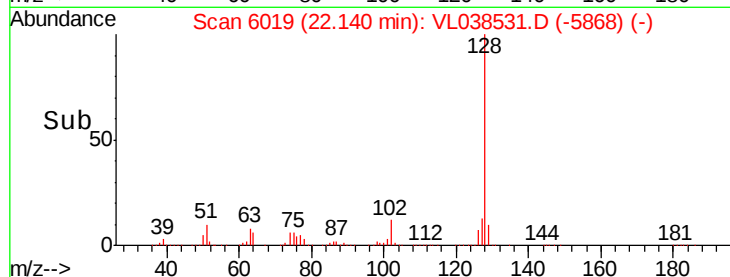
128 100

127 12.9 10.7 16.1

129 10.5 8.8 13.2



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: 11.306 ppbv

RT: 24.93 min Scan# 6888

Delta R.T. -0.01 min

Lab File: VL038531.D

Acq: 4 Mar 2022 2:19

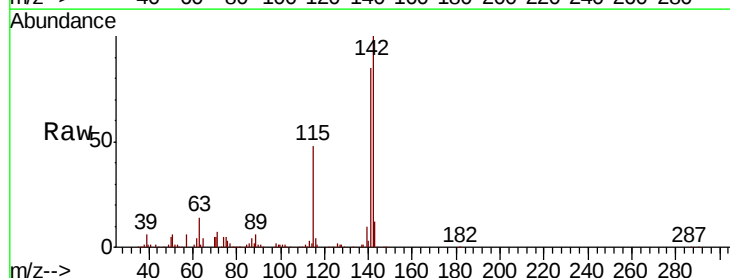
Tgt Ion:142 Resp: 280940

Ion Ratio Lower Upper

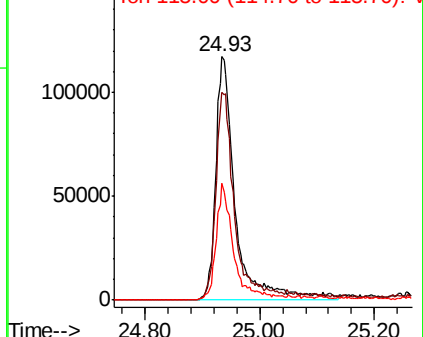
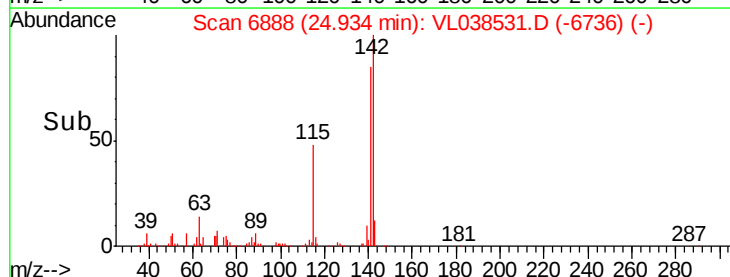
142 100

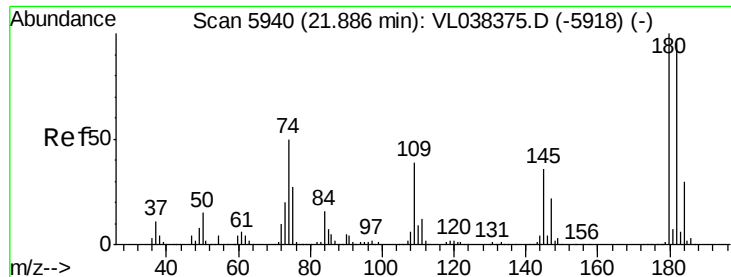
141 83.3 69.8 104.6

115 42.0 33.0 49.6



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: 14.050 ppbv

RT: 21.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 4 Mar 2022 2:19

Tot Ion:180 Resp: 1080076

Ion Ratio Lower Upper

180 100

182 98.0 77.4 116.2

184 31.0 24.9 37.3

