

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038916.D
 Acq On : 14 Apr 2022 13:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 15 08:05:30 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1175044	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2770489	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3213372	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2185884	8.97	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	1574758	9.448	ppbv	98
3) Chlorodifluoromethane	3.00	51	1396386	9.737	ppbv #	92
4) Chloromethane	3.15	50	668210	8.999	ppbv	98
5) Vinyl Chloride	3.27	62	676776	9.864	ppbv	98
6) Bromomethane	3.49	94	360278	10.853	ppbv	100
7) Chloroethane	3.57	64	228969	10.007	ppbv	96
8) Dichlorotetrafluoroethane	3.20	85	1640733	10.538	ppbv	94
9) Propene	3.02	41	582722	7.680	ppbv	99
10) Heptane	8.14	43	1481324	7.751	ppbv	96
11) Trichlorofluoromethane	3.97	101	1571264	11.732	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1057154	10.305	ppbv	94
13) Ethanol	3.62	45	22250	4.826	ppbv #	100
14) Bromoethene	3.75	108	458543	10.163	ppbv	98
15) Acetone	3.86	43	1108311	9.474	ppbv	97
16) 1,3-Butadiene	3.34	39	604452	9.038	ppbv	94
17) tert-Butyl alcohol	4.30	59	813188	7.752	ppbv	100
18) 1,1-Dichloroethene	4.30	96	483818	10.346	ppbv	94
19) Isopropyl Alcohol	3.98	45	583210	9.754	ppbv #	100
20) Methylene Chloride	4.36	84	393259	9.269	ppbv	95
21) Allyl Chloride	4.43	41	766850	8.755	ppbv	97
22) trans-1,2-Dichloroethene	4.90	96	499350	10.546	ppbv	92
23) Vinyl Acetate	5.09	43	1071006	9.401	ppbv	98
24) 1,1-Dichloroethane	5.02	63	996981	9.684	ppbv	99
25) Ethyl Acetate	5.69	43	2601726	8.765	ppbv	99
26) Hexane	5.70	57	1127776	8.347	ppbv	99
27) Carbon Disulfide	4.56	76	1229828	9.926	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	916435	8.782	ppbv	99
29) Chloroform	5.77	83	1905902	10.082	ppbv	98
30) Cyclohexane	7.15	84	929772	7.808	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1198852	9.650	ppbv	91
32) 1,1,1-Trichloroethane	6.53	97	1950274	10.240	ppbv	97
34) 2-Butanone	5.26	43	1555405	14.208	ppbv	96
35) Carbon Tetrachloride	7.03	117	2000981	12.047	ppbv	97
36) Benzene	6.91	78	2275049	9.027	ppbv #	96
37) 1,2-Dichloroethane	6.32	62	1596884	13.858	ppbv #	93
38) Trichloroethene	7.85	130	941385	9.103	ppbv	91
39) 1,2-Dichloropropane	7.63	63	915213	9.494	ppbv #	91
40) 1,4-Dioxane	7.85	88	331435	10.125	ppbv #	4
41) Tetrahydrofuran	6.06	42	939046	9.032	ppbv	98
42) Bromodichloromethane	7.81	83	2190303	12.037	ppbv	97
43) Methyl Methacrylate	8.03	69	965418	10.001	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3995341	9.363	ppbv	97
45) t-1,3-Dichloropropene	9.30	75	1158775	11.480	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1402250	10.537	ppbv	93
47) 1,1,2-Trichloroethane	9.49	97	949918	9.617	ppbv	97
48) Dibromochloromethane	10.32	129	1714374	11.073	ppbv	99
49) Bromoform	13.06	173	1371252	11.183	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2493220	10.125	ppbv	99
51) 2-Hexanone	10.15	43	1986303	10.705	ppbv #	95
52) Tetrachloroethene	11.24	164	785239	8.920	ppbv	97
53) Toluene	9.83	91	2669981	9.177	ppbv	98
54) 1,2-Dibromoethane	10.63	107	1410514	10.280	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1166762	8.285	ppbv	92
57) Chlorobenzene	12.16	112	1922121	7.304	ppbv	94
58) Ethyl Benzene	12.73	91	3687990	7.681	ppbv	92
59) m/p-Xylene	13.01	91	3097499	7.678	ppbv #	39
60) o-Xylene	13.71	91	2993438	7.930	ppbv	95
61) Styrene	13.54	104	1725918	7.505	ppbv	94
62) Isopropylbenzene	14.68	105	4331185	7.644	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.69	83	1888050	7.897	ppbv	98
64) n-propylbenzene	15.57	120	1086967	7.388	ppbv	78
65) tert-Butylbenzene	16.76	119	3802321	7.564	ppbv	90
66) Benzyl Chloride	17.00	91	737293	7.204	ppbv #	93
67) sec-Butylbenzene	17.31	105	5496535	7.792	ppbv	97
69) p-Isopropyltoluene	17.67	119	4513871	7.793	ppbv	95
70) n-Butylbenzene	18.57	91	4974578	8.526	ppbv	97
71) 2-Chlorotoluene	15.47	91	3450943	8.100	ppbv	93
72) 4-Ethyltoluene	15.86	105	3549122	7.874	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.01	105	3272668	8.082	ppbv	94
74) 1,2,4-Trimethylbenzene	16.78	105	3468422	8.103	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	1956345	7.872	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	1890591	7.723	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	1908351	7.789	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1387849	7.170	ppbv	98
79) Naphthalene	22.21	128	2750312	8.589	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	688507	8.726	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	1541479	8.226	ppbv	99

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

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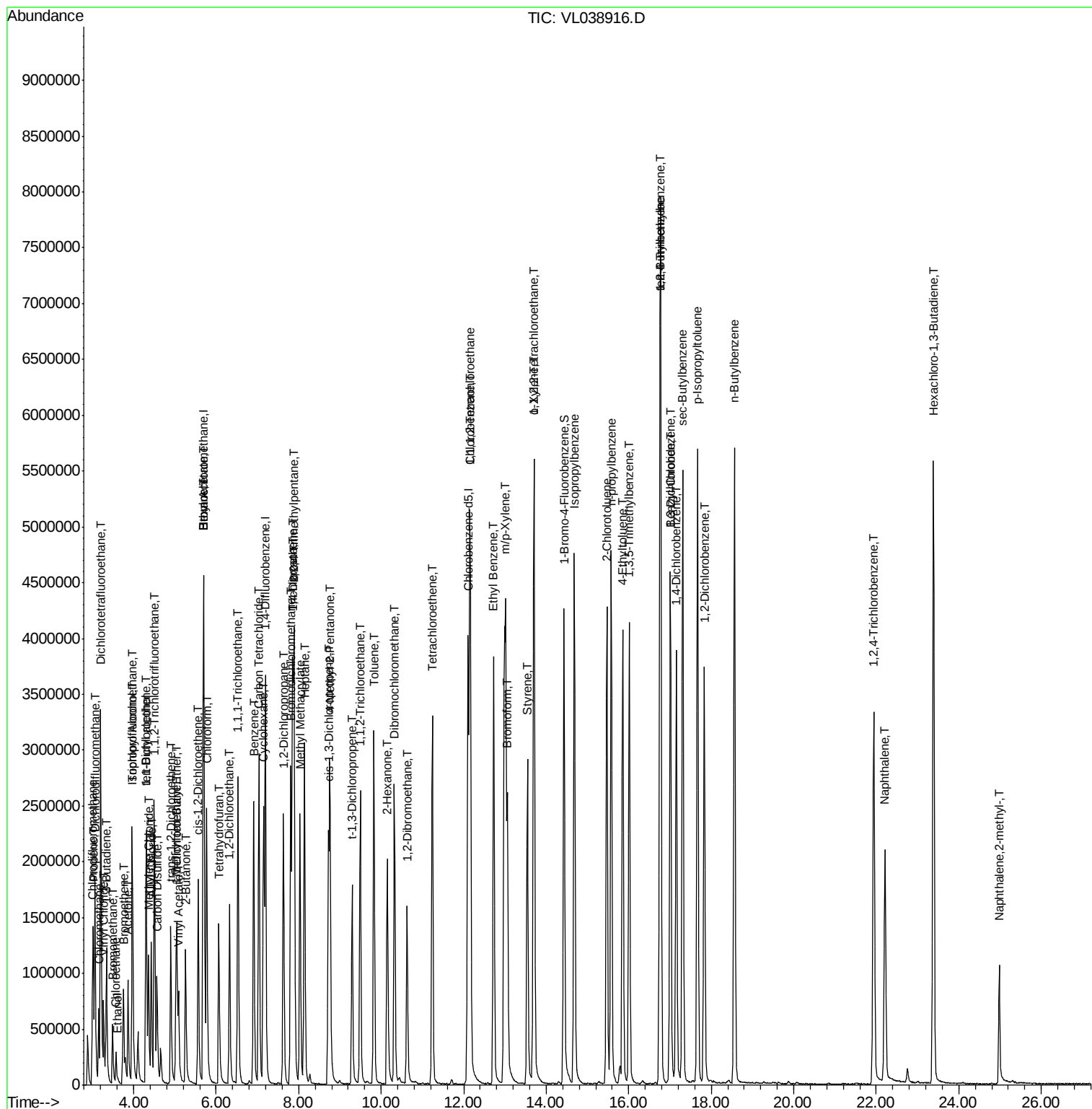
Quant Time: Apr 15 08:05:30 2022

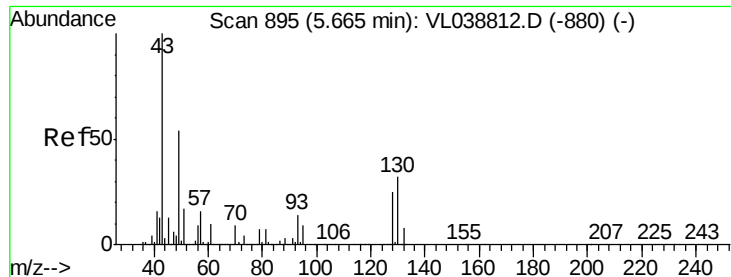
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M

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QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 13:12

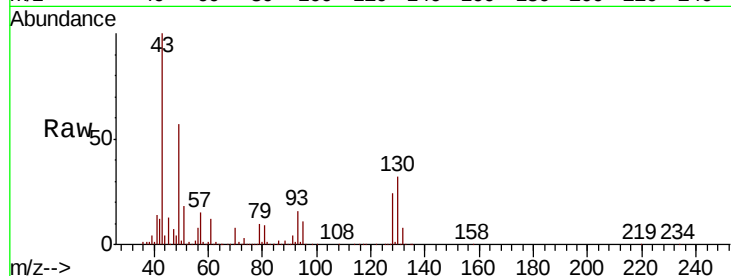
Tot Ion: 49 Resp: 1175044

Ion Ratio Lower Upper

49 100

128 44.8 24.1 72.3

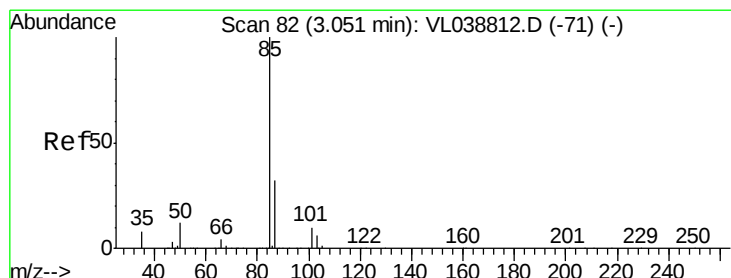
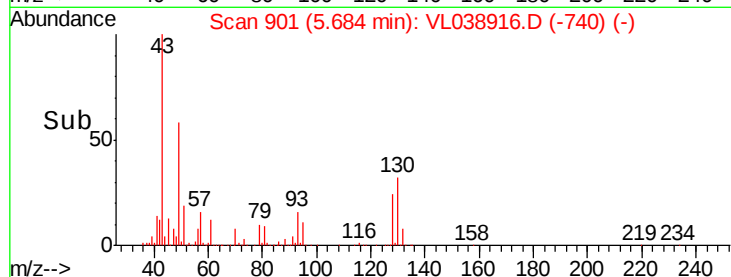
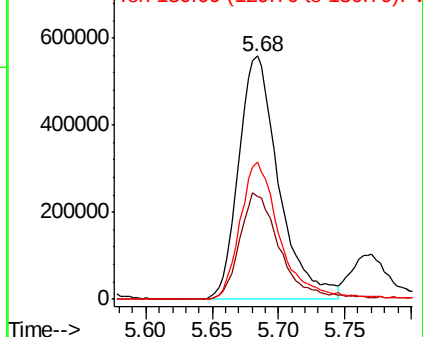
130 57.1 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.448 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.01 min

Lab File: VL038916.D

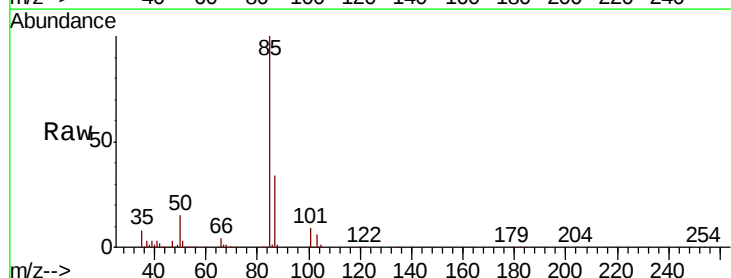
Acq: 14 Apr 2022 13:12

Tgt Ion: 85 Resp: 1574758

Ion Ratio Lower Upper

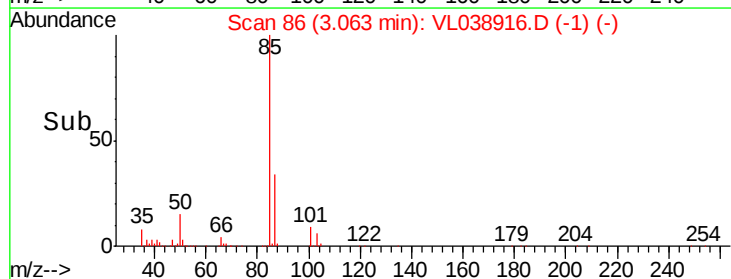
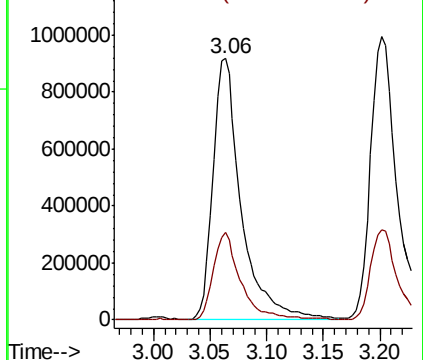
85 100

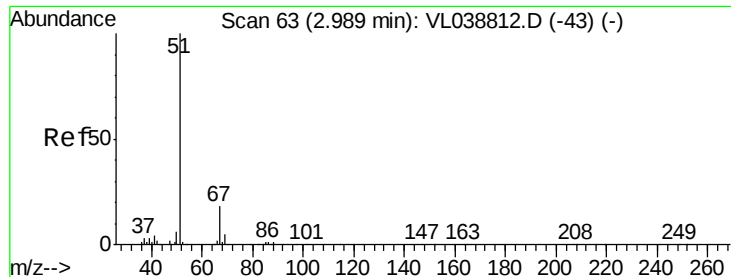
87 33.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.737 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

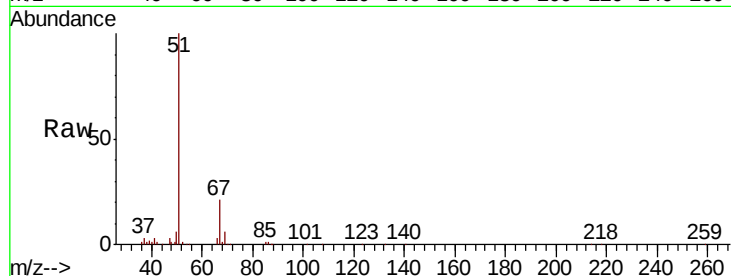
Acq: 14 Apr 2022 13:12

Tot Ion: 51 Resp: 1396386

Ion Ratio Lower Upper

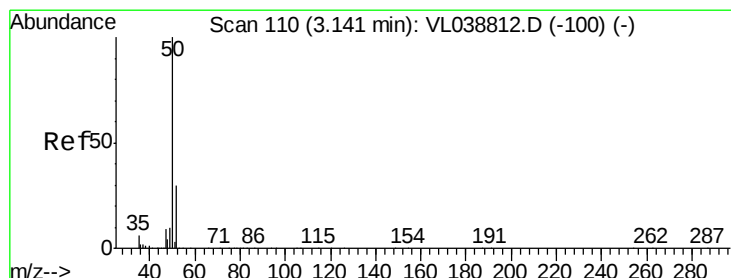
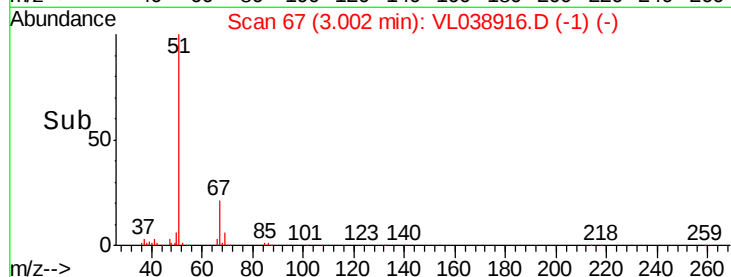
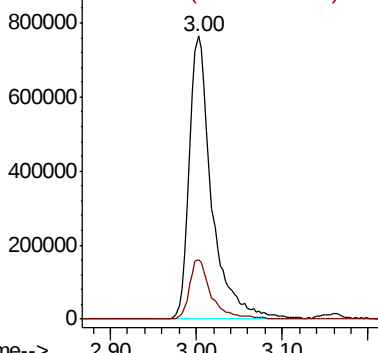
51 100

67 20.3 13.4 20.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.999 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL038916.D

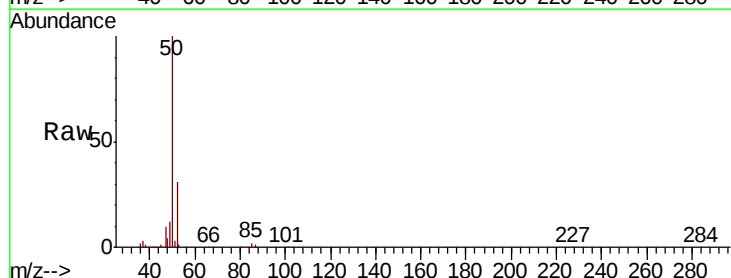
Acq: 14 Apr 2022 13:12

Tgt Ion: 50 Resp: 668210

Ion Ratio Lower Upper

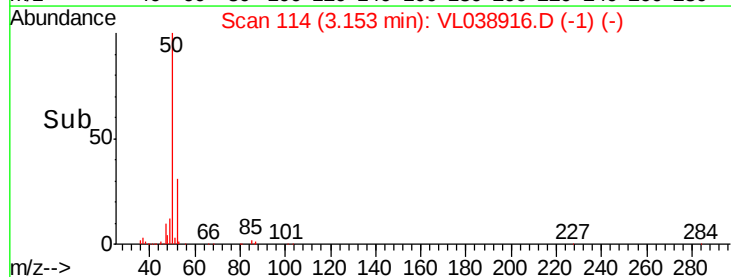
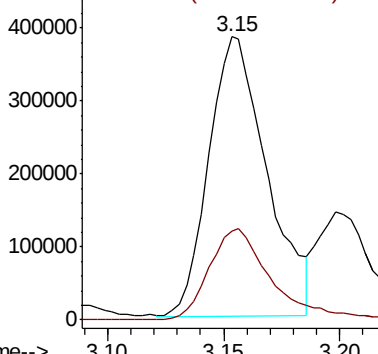
50 100

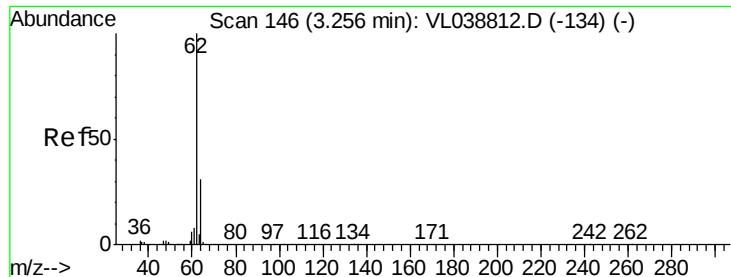
52 31.7 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.864 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

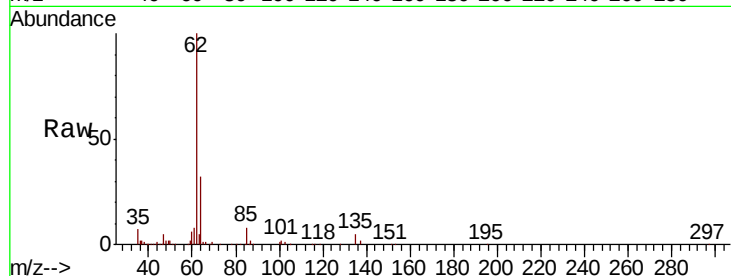
Acq: 14 Apr 2022 13:12

Tot Ion: 62 Resp: 676776

Ion Ratio Lower Upper

62 100

64 32.1 24.6 37.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

400000

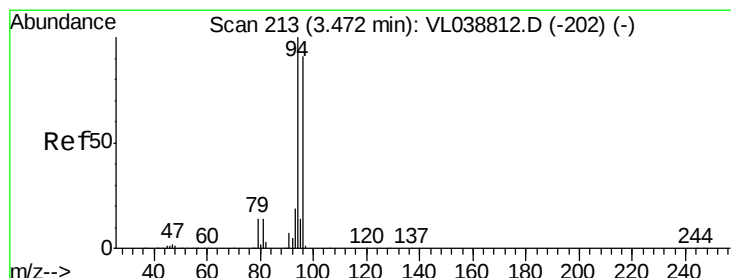
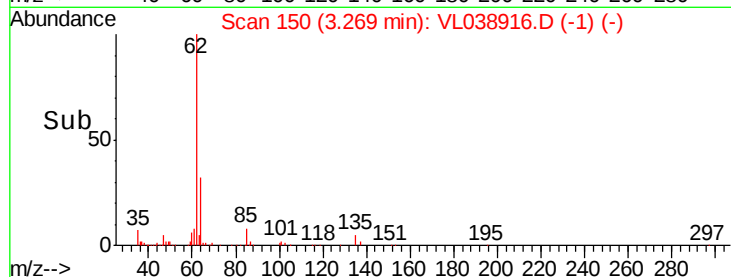
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.853 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.02 min

Lab File: VL038916.D

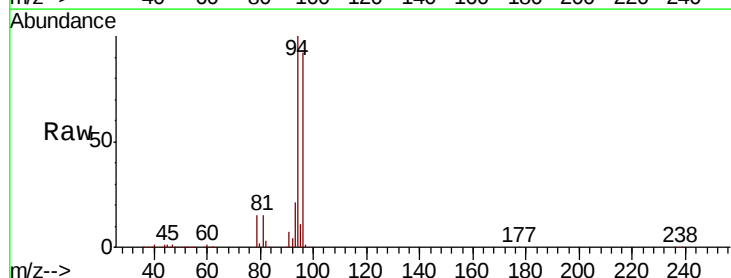
Acq: 14 Apr 2022 13:12

Tgt Ion: 94 Resp: 360278

Ion Ratio Lower Upper

94 100

96 91.6 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.49

200000

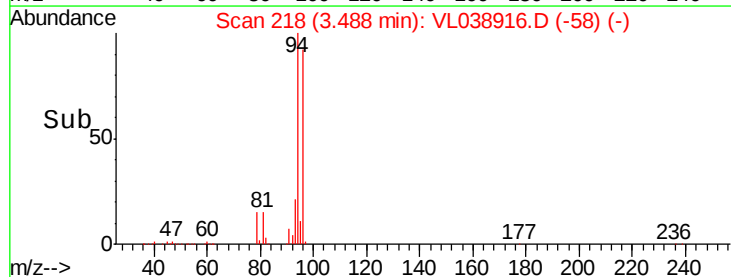
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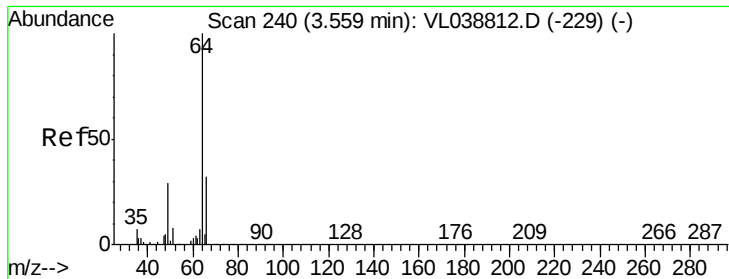
100000

50000

0

Time-->





#7

Chloroethane

Concen: 10.007 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

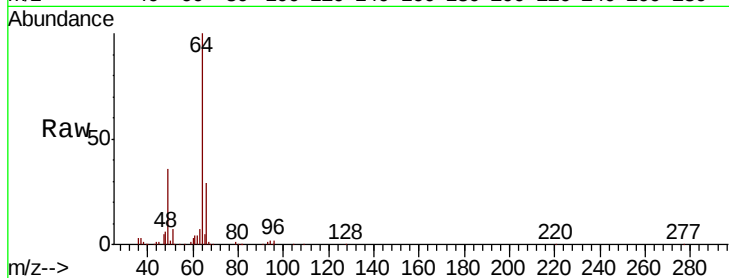
Acq: 14 Apr 2022 13:12

Tot Ion: 64 Resp: 228969

Ion Ratio Lower Upper

64 100

66 29.4 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

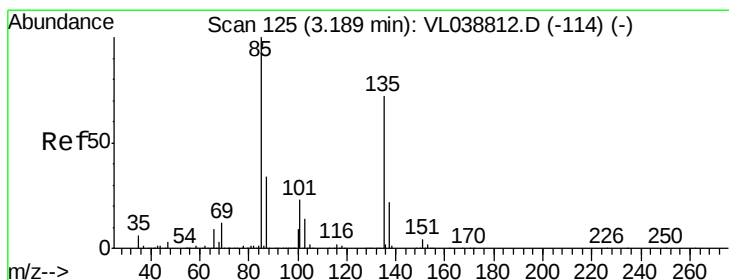
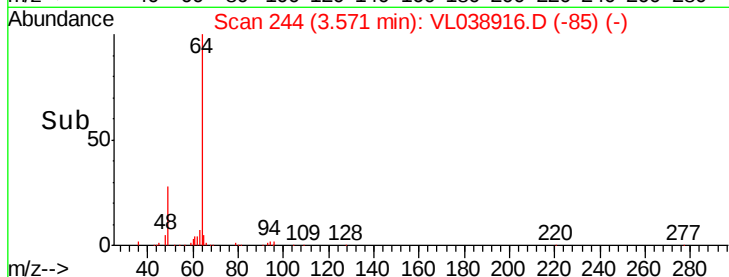
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.538 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL038916.D

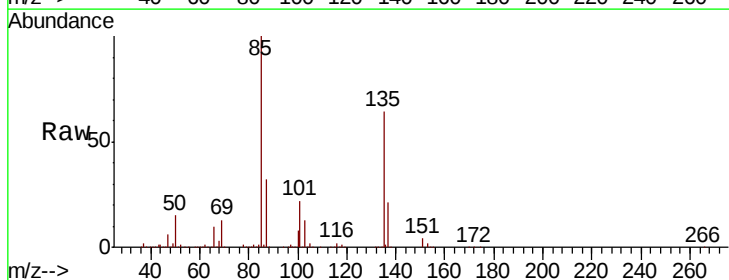
Acq: 14 Apr 2022 13:12

Tgt Ion: 85 Resp: 1640733

Ion Ratio Lower Upper

85 100

135 66.2 57.0 85.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

1000000

800000

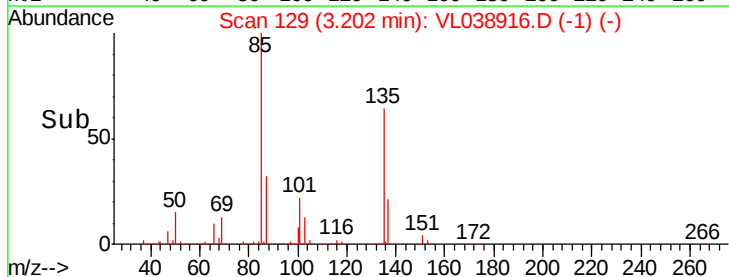
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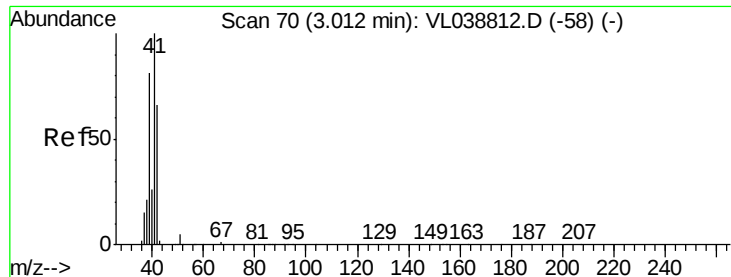
400000

200000

0

Time-->





#9

Propene

Concen: 7.680 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

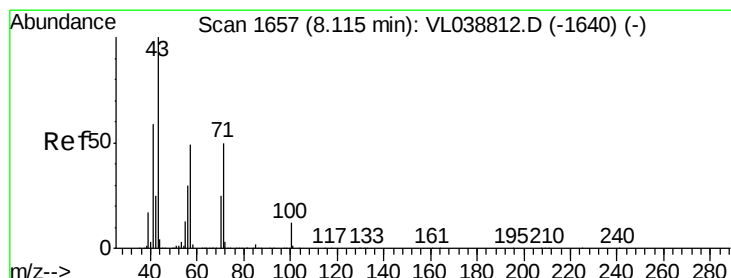
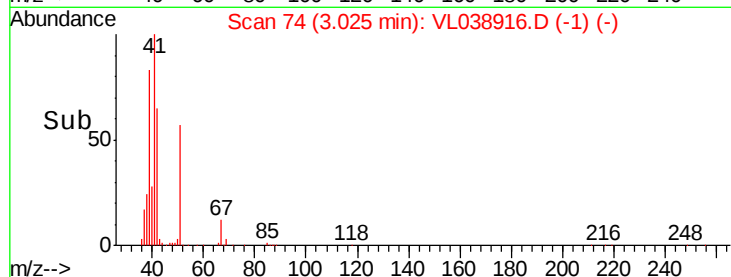
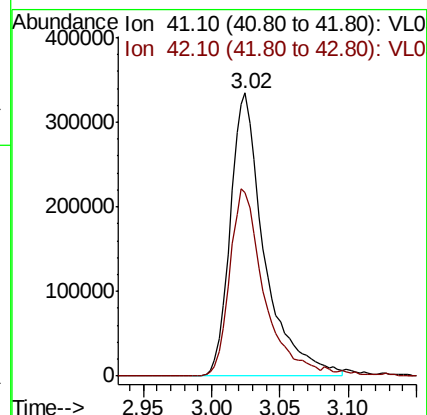
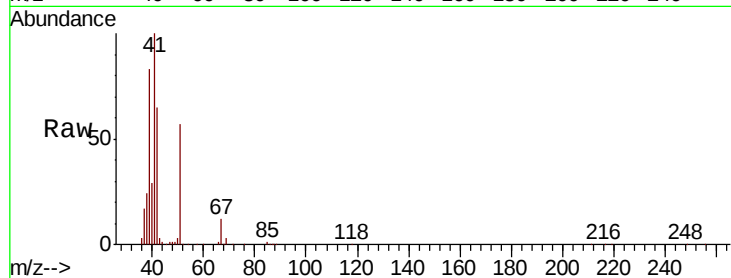
Acq: 14 Apr 2022 13:12

Tot Ion: 41 Resp: 582722

Ion Ratio Lower Upper

41 100

42 68.4 54.2 81.4



#10

Heptane

Concen: 7.751 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.03 min

Lab File: VL038916.D

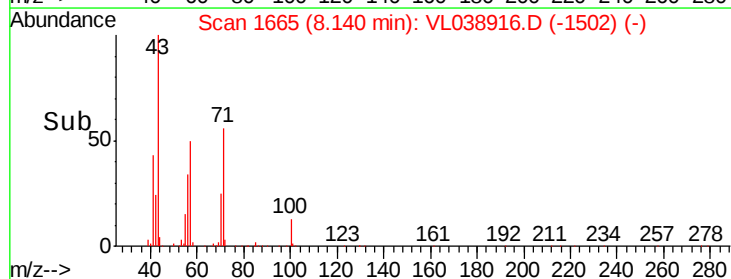
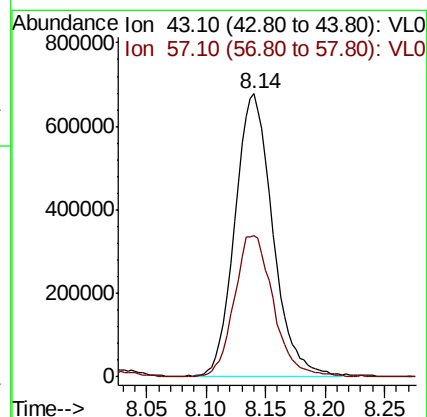
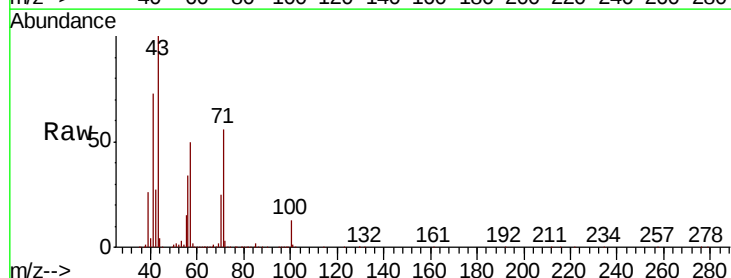
Acq: 14 Apr 2022 13:12

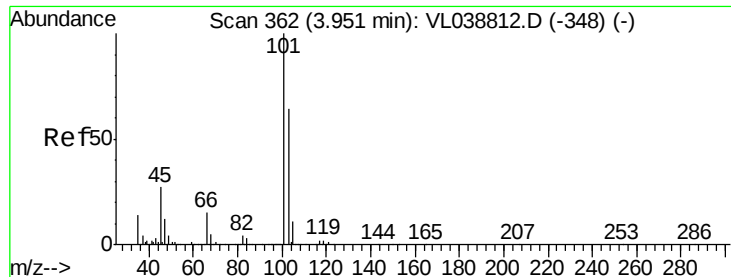
Tgt Ion: 43 Resp: 1481324

Ion Ratio Lower Upper

43 100

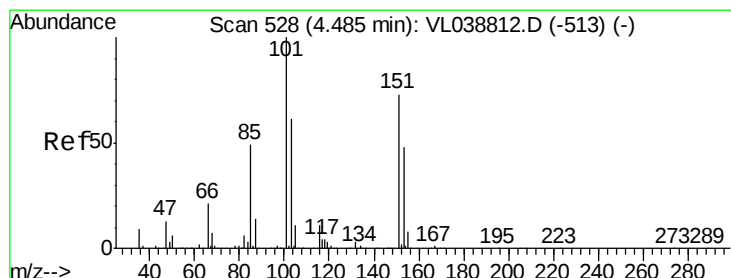
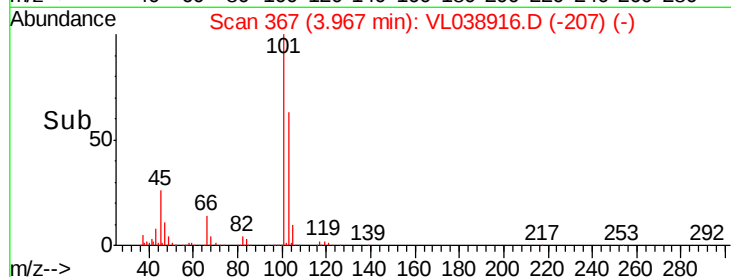
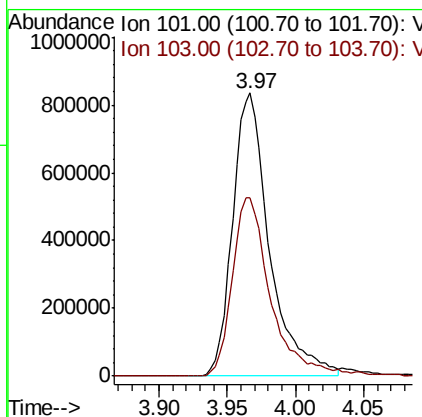
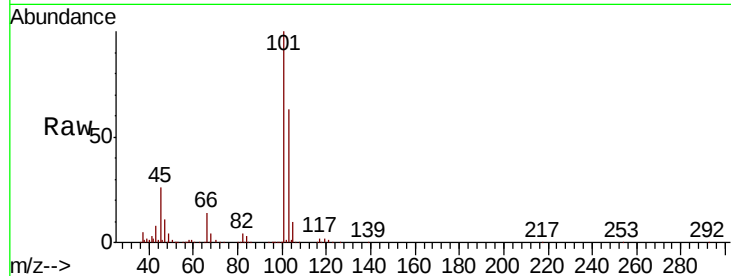
57 51.9 39.3 58.9





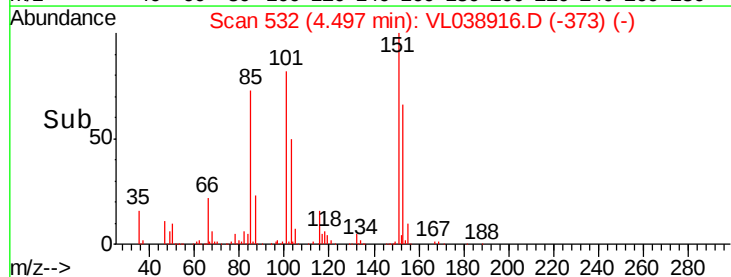
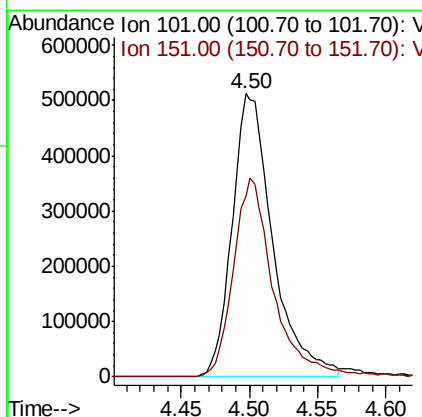
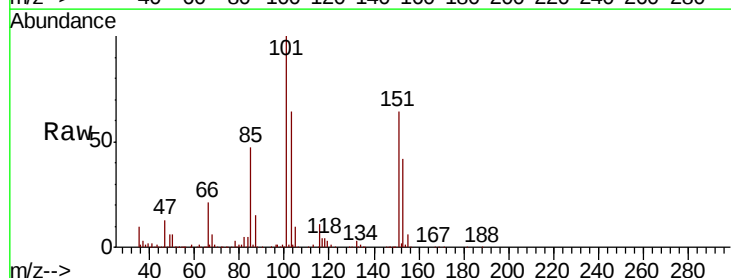
#11
 Trichlorofluoromethane
 Concen: 11.732 ppbv
 RT: 3.97 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 13:12

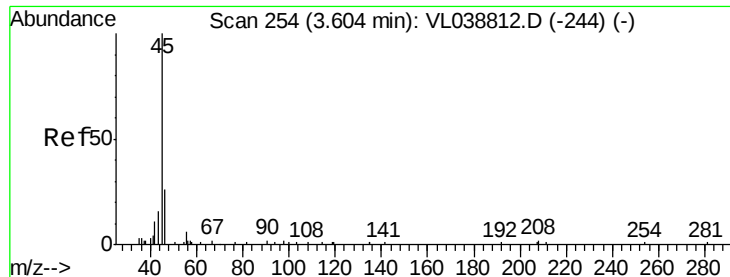
Tot Ion:101 Resp: 1571264
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.305 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T.: 0.01 min
 Lab File: VL038916.D
 Acq: 14 Apr 2022 13:12

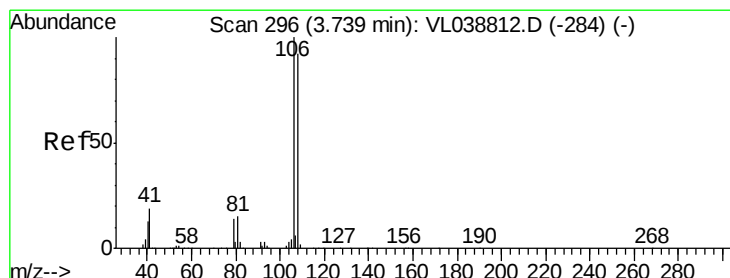
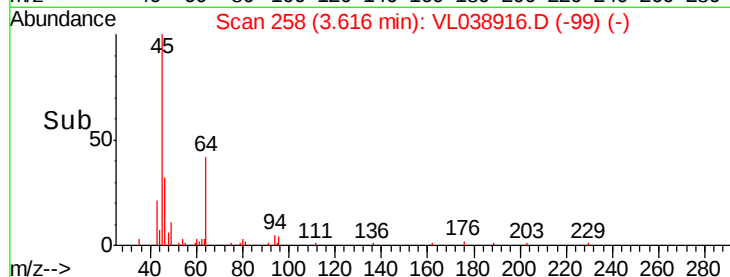
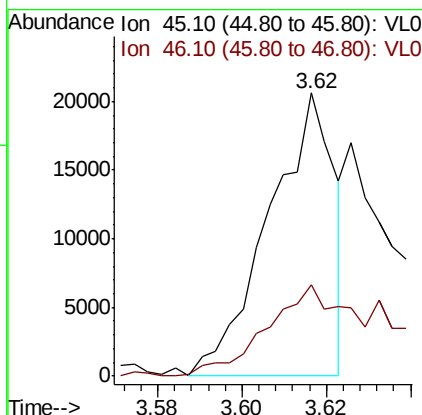
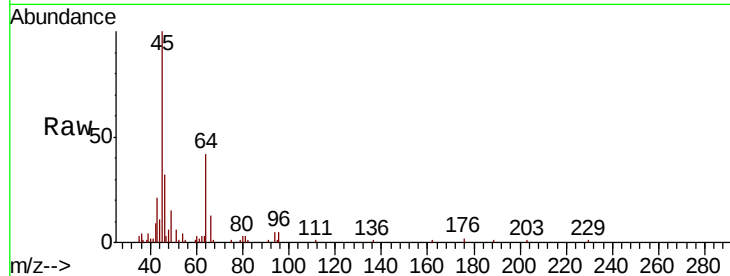
Tgt Ion:101 Resp: 1057154
 Ion Ratio Lower Upper
 101 100
 151 70.0 59.9 89.9





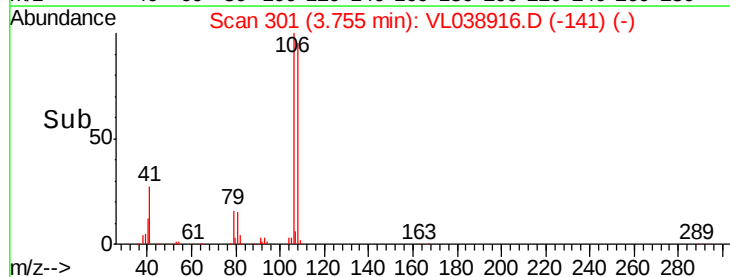
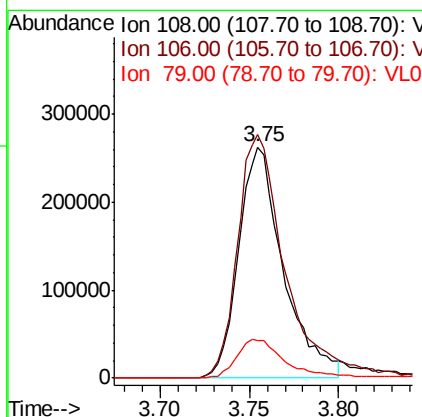
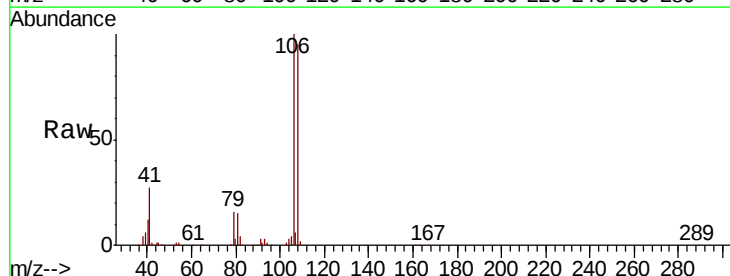
#13
 Ethanol
 Concen: 4.826 ppbv
 RT: 3.62
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 13:12

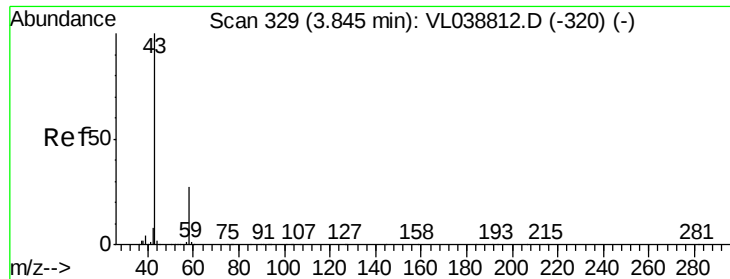
Tot Ion: 45 Resp: 22250
 Ion Ratio Lower Upper
 45 100
 46 78.5 0.0 0.0#



#14
 Bromoethene
 Concen: 10.163 ppbv
 RT: 3.75 min Scan# 301
 Delta R.T.: 0.02 min
 Lab File: VL038916.D
 Acq: 14 Apr 2022 13:12

Tgt Ion: 108 Resp: 458543
 Ion Ratio Lower Upper
 108 100
 106 115.6 91.5 137.3
 79 19.0 13.7 20.5





#15

Acetone

Concen: 9.474 ppbv

RT: 3.86 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

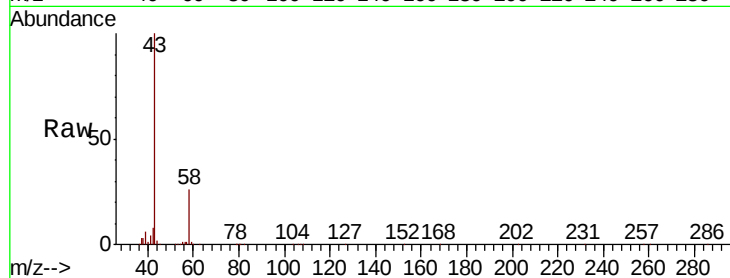
Acq: 14 Apr 2022 13:12

Tot Ion: 43 Resp: 1108311

Ion Ratio Lower Upper

43 100

58 26.7 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.86

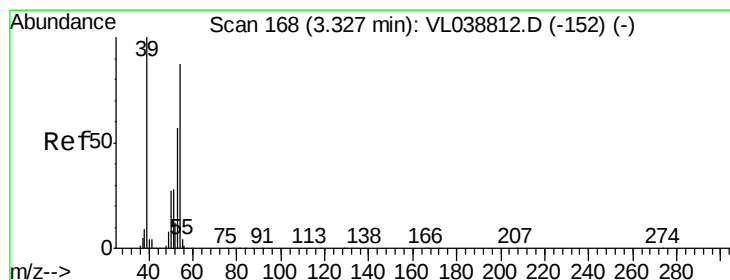
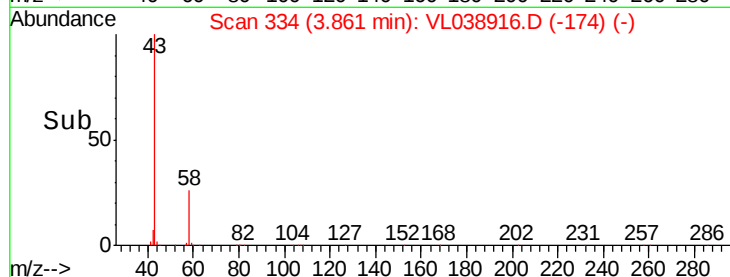
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.038 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.02 min

Lab File: VL038916.D

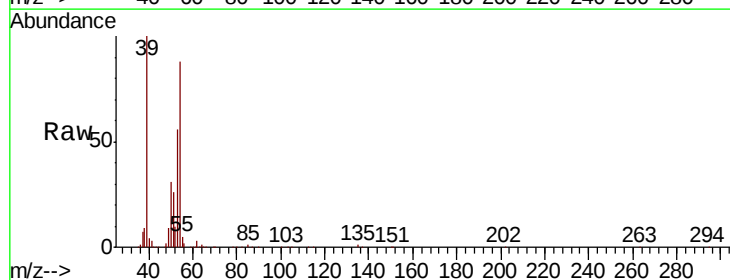
Acq: 14 Apr 2022 13:12

Tgt Ion: 39 Resp: 604452

Ion Ratio Lower Upper

39 100

54 86.1 64.8 97.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.34

400000

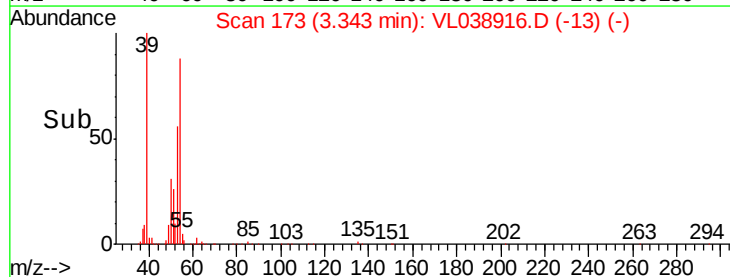
300000

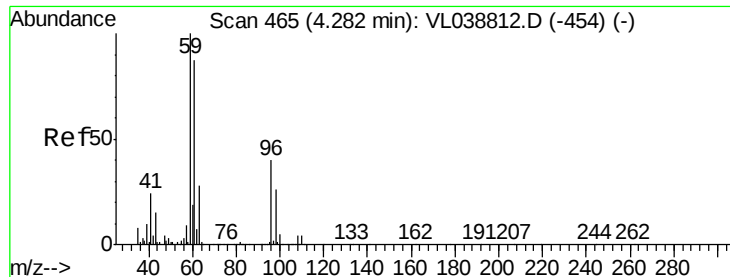
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 7.752 ppbv

RT: 4.30 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

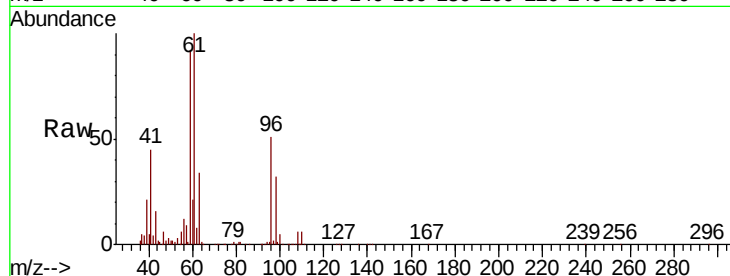
Acq: 14 Apr 2022 13:12

Tot Ion: 59 Resp: 813188

Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

400000

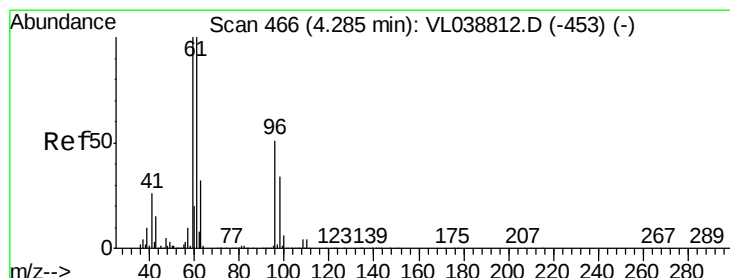
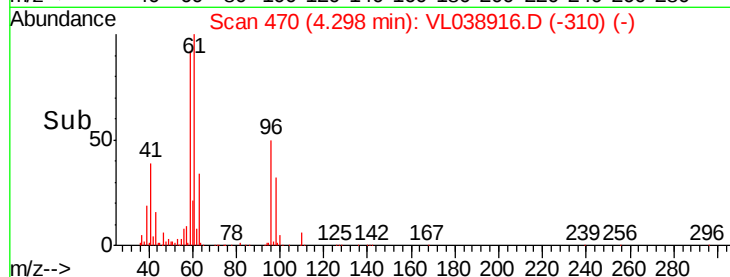
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.346 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.02 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

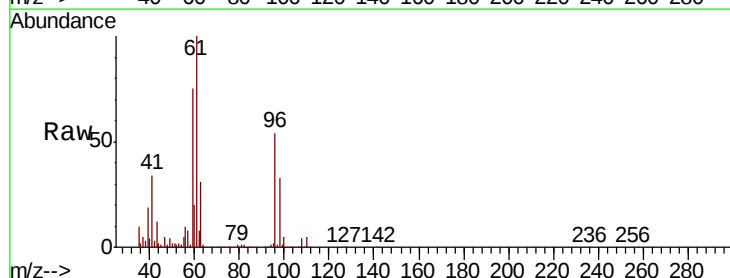
Tgt Ion: 96 Resp: 483818

Ion Ratio Lower Upper

96 100

61 185.8 156.1 234.1

98 60.7 53.0 79.6



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

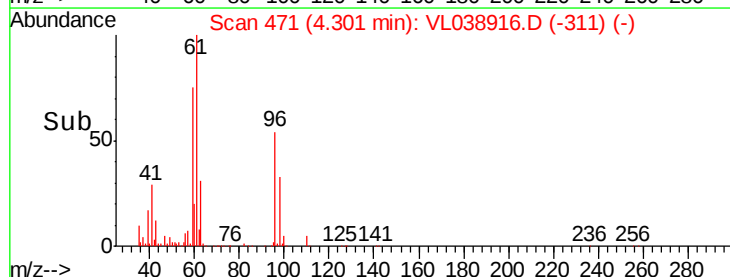
600000

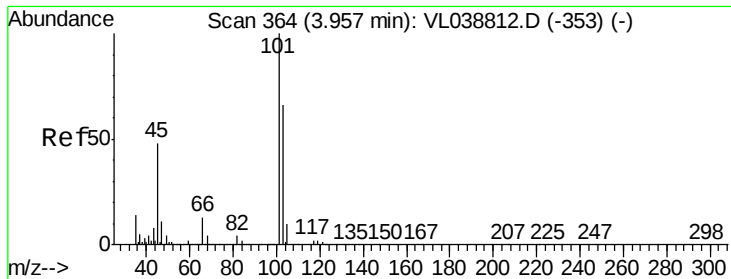
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.754 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

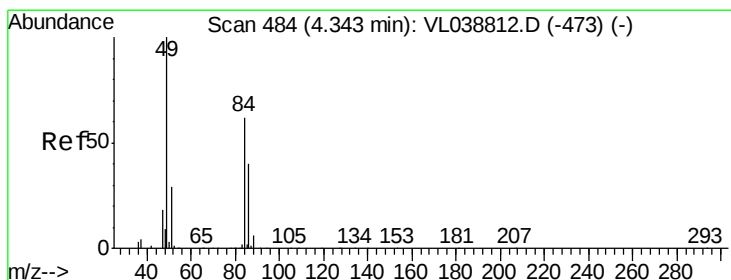
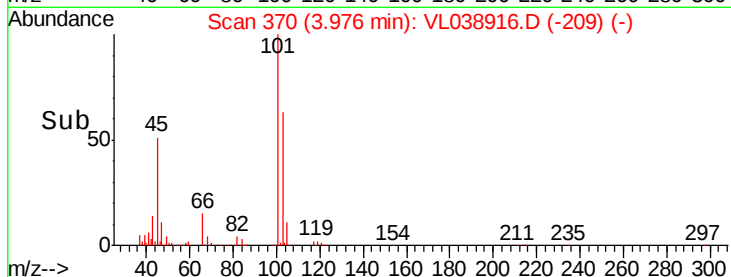
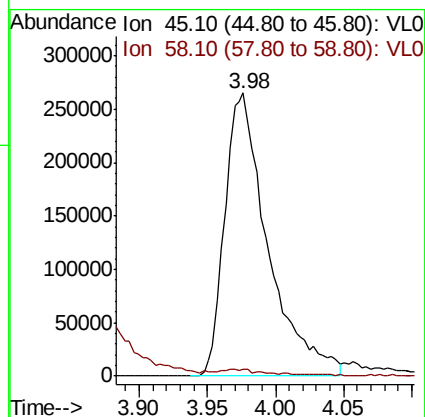
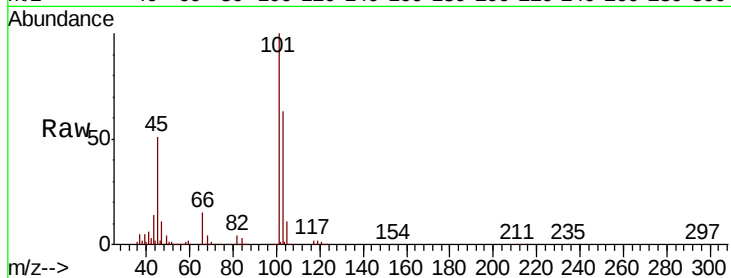
Acq: 14 Apr 2022 13:12

Tot Ion: 45 Resp: 583210

Ion Ratio Lower Upper

45 100

58 2.6 0.0 0.0#



#20

Methylene Chloride

Concen: 9.269 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.02 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

Tgt Ion: 84 Resp: 393259

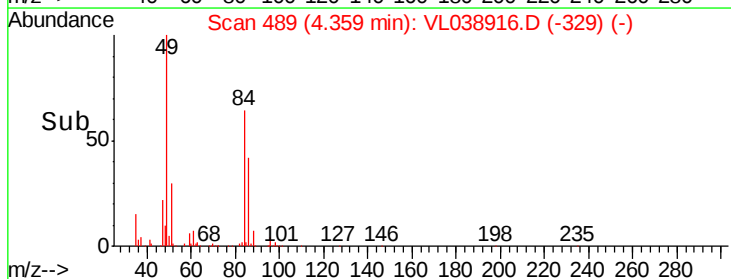
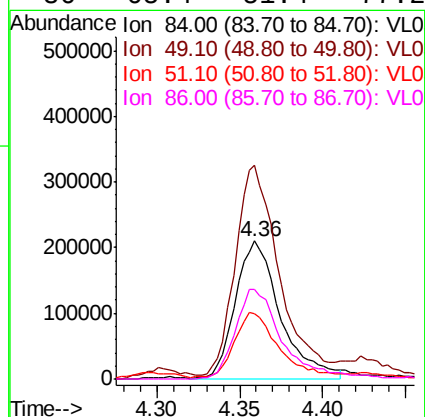
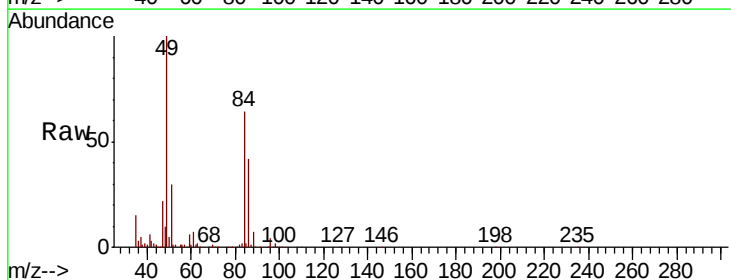
Ion Ratio Lower Upper

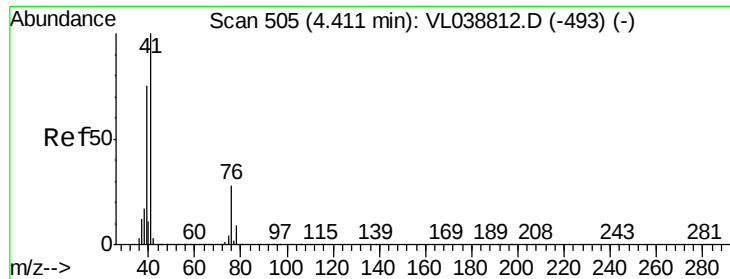
84 100

49 151.6 129.4 194.0

51 45.9 37.4 56.2

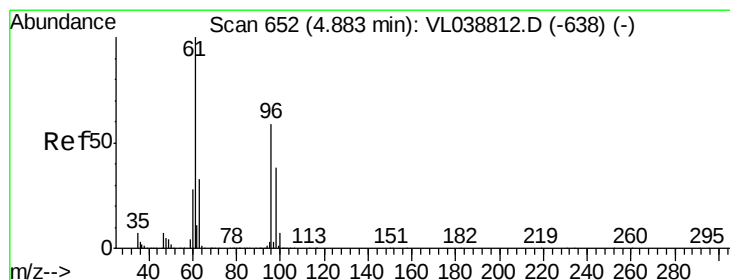
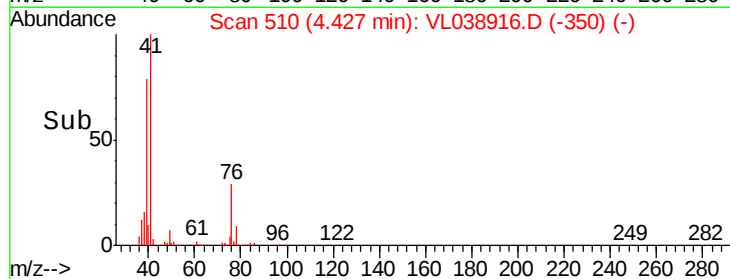
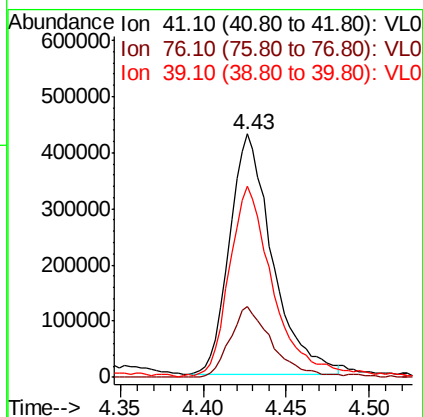
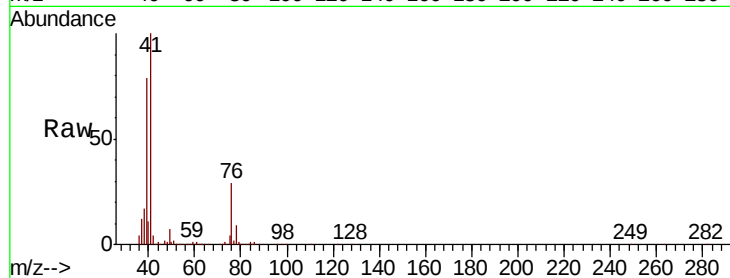
86 65.4 51.4 77.2





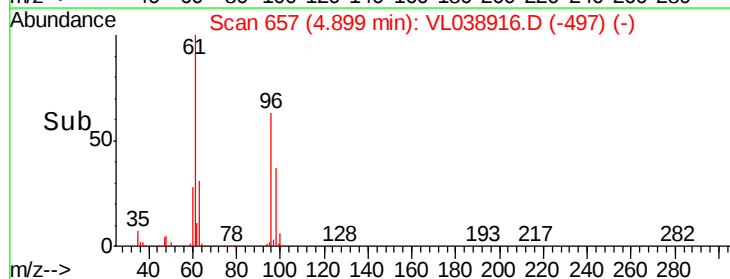
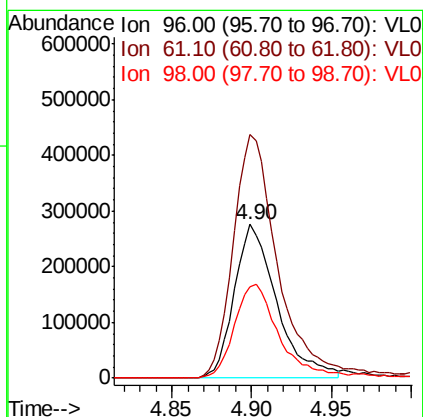
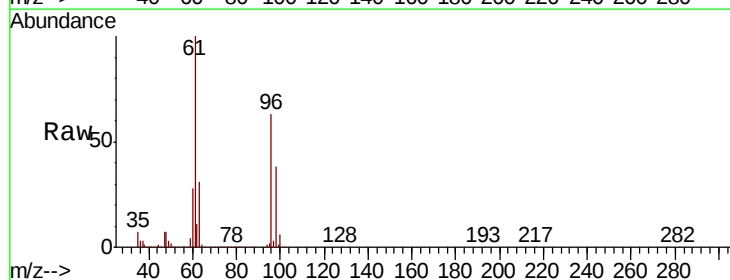
#21
 Allvl Chloride
 Concen: 8.755 ppbv
 RT: 4.43
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 13:12

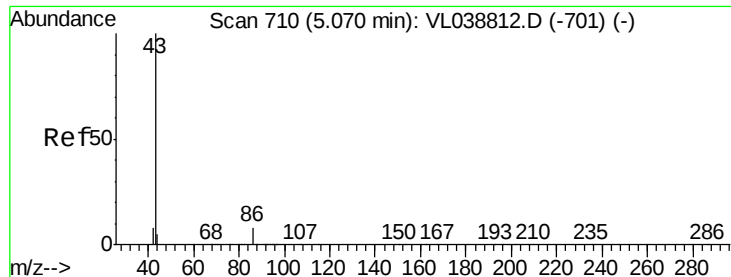
Tot Ion:	41	Resp:	766850
Ion	Ratio	Lower	Upper
41	100		
76	29.8	23.7	35.5
39	81.6	62.0	93.0



#22
 trans-1,2-Dichloroethene
 Concen: 10.546 ppbv
 RT: 4.90 min Scan# 657
 Delta R.T. 0.02 min
 Lab File: VL038916.D
 Acq: 14 Apr 2022 13:12

Tgt Ion:	96	Resp:	499350
Ion	Ratio	Lower	Upper
96	100		
61	158.1	134.8	202.2
98	59.2	51.9	77.9





#23

Vinyl Acetate

Concen: 9.401 ppbv

RT: 5.09 Instrument:

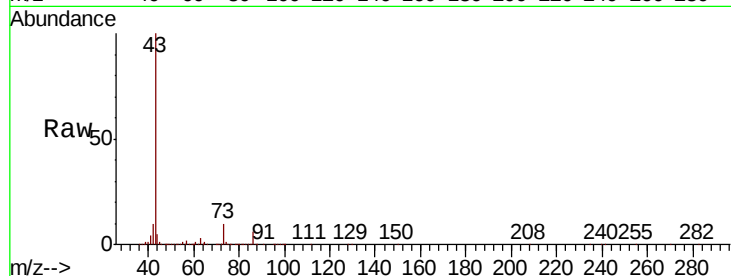
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

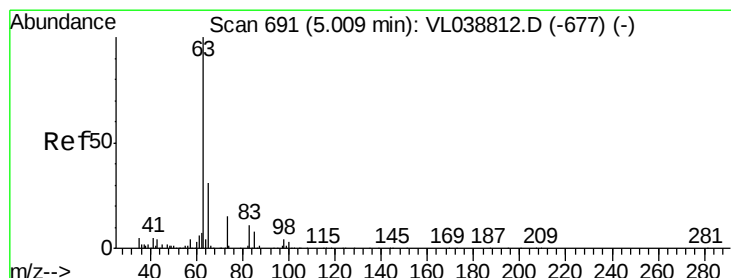
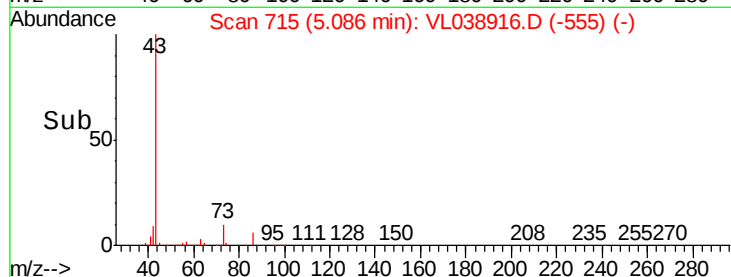
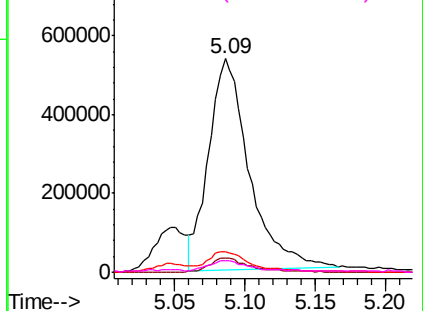
Acq: 14 Apr 2022 13:12

Tot Ion: 43 Resp: 1071006

Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.8	8.6
42	9.0	7.8	11.6
44	4.9	3.6	5.4



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: 9.684 ppbv

RT: 5.02 min Scan# 696

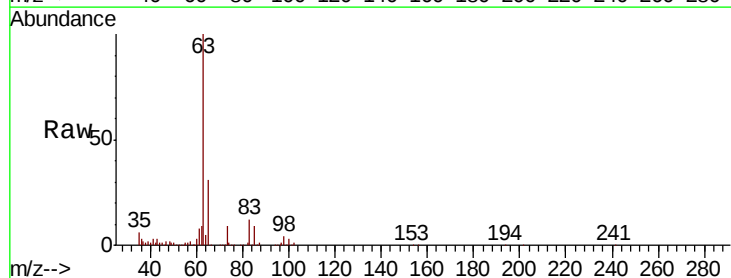
Delta R.T. 0.02 min

Lab File: VL038916.D

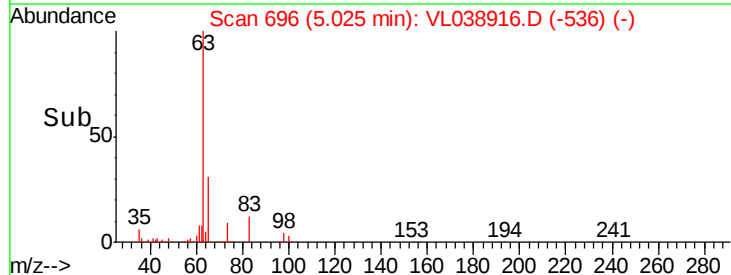
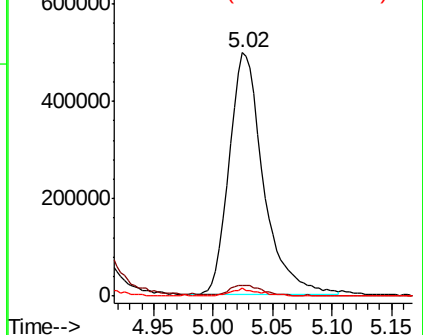
Acq: 14 Apr 2022 13:12

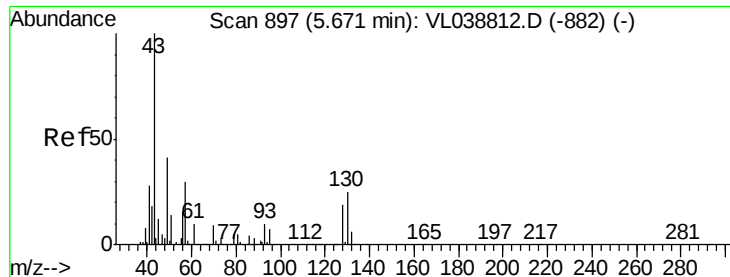
Tgt Ion: 63 Resp: 996981

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.2	6.6
100	3.2	1.4	4.0



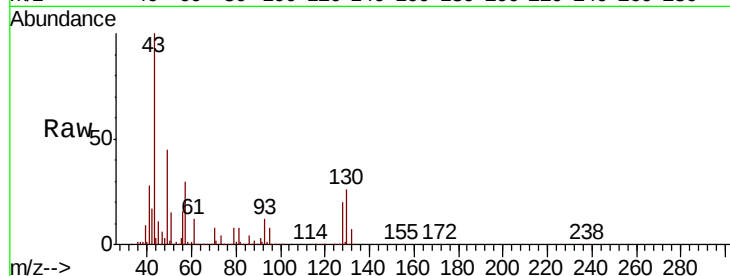
Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 8.765 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 13:12

Tot Ion:	43	Resp:	2601726
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.4	12.6
61	10.2	7.9	11.9
70	6.7	5.6	8.4



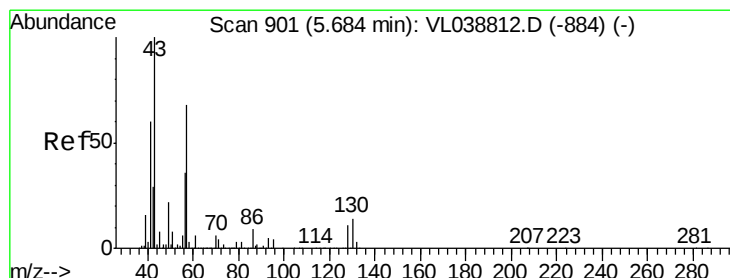
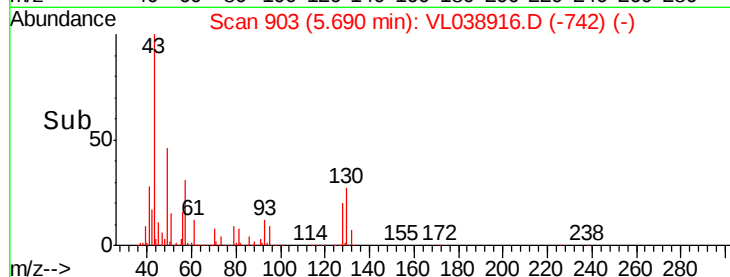
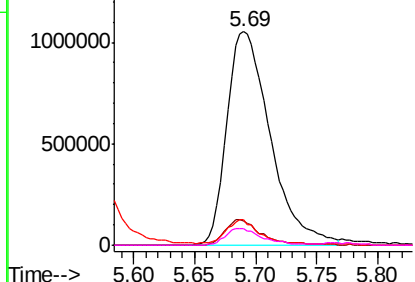
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

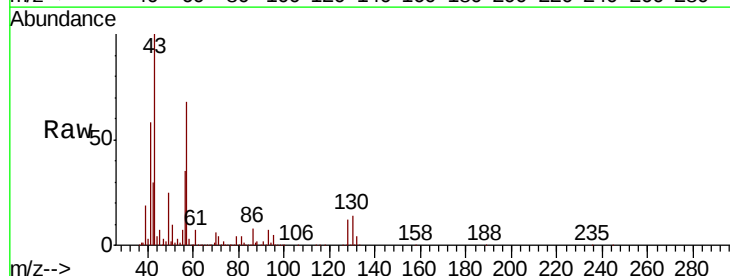
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.347 ppbv
RT: 5.70 min Scan# 907
Delta R.T.: 0.02 min
Lab File: VL038916.D
Acq: 14 Apr 2022 13:12

Tgt Ion:	57	Resp:	1127776
Ion	Ratio	Lower	Upper
57	100		
41	93.3	72.0	108.0
43	234.9	186.6	280.0
56	53.8	42.8	64.2



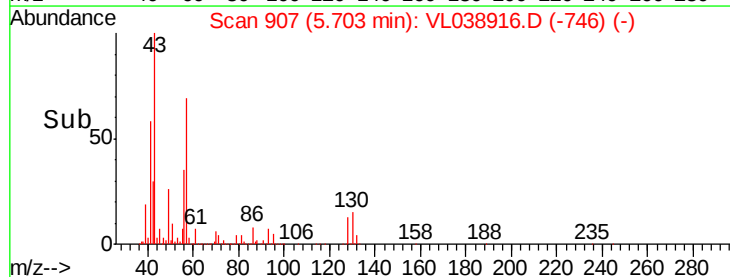
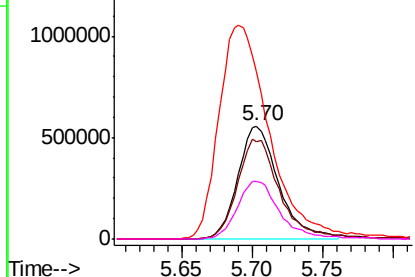
Abundance

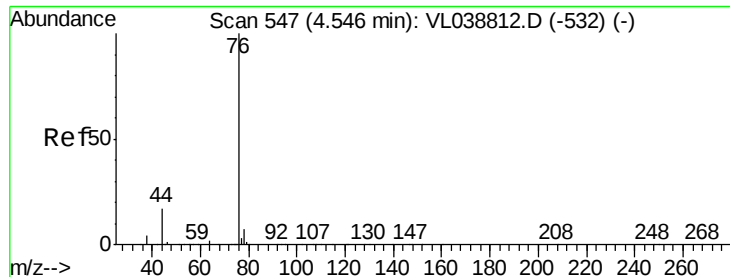
Ion 57.10 (56.80 to 57.80): VL0

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: 9.926 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 13:12

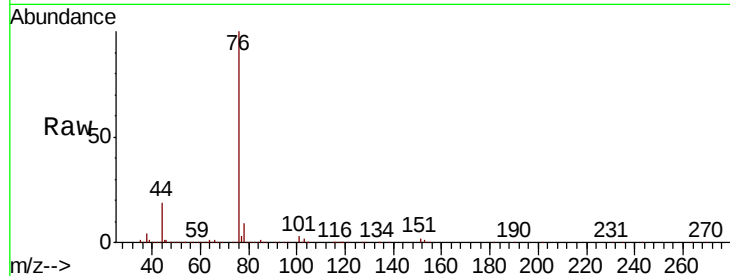
Tot Ion: 76 Resp: 1229828

Ion Ratio Lower Upper

76 100

44 18.5 15.7 23.5

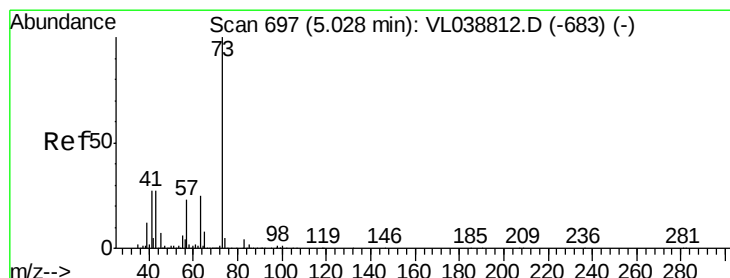
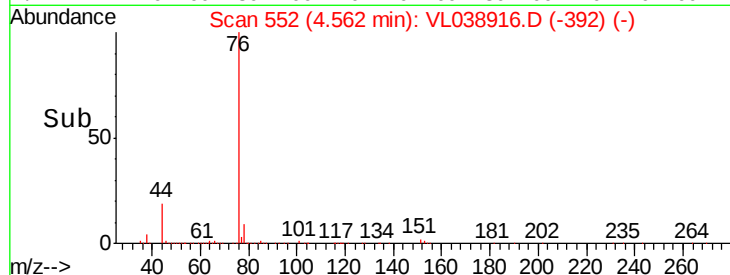
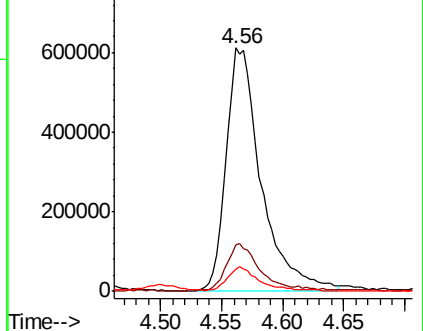
78 9.7 7.8 11.8



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: 8.782 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.02 min

Lab File: VL038916.D

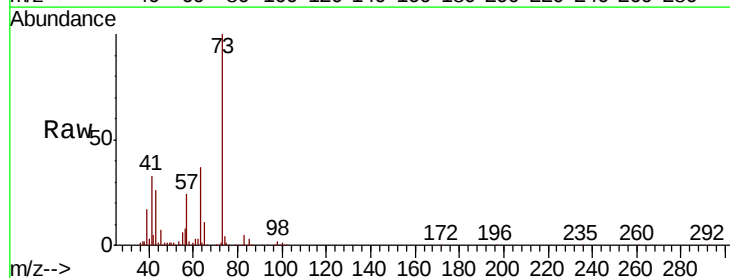
Acq: 14 Apr 2022 13:12

Tgt Ion: 73 Resp: 916435

Ion Ratio Lower Upper

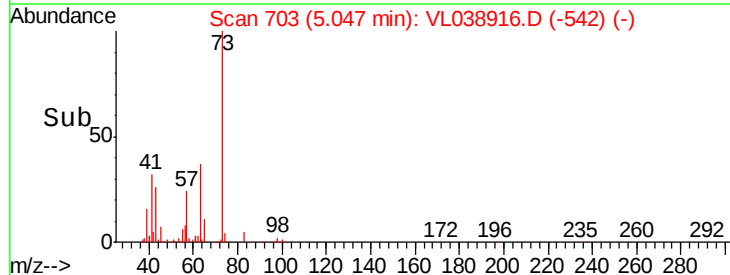
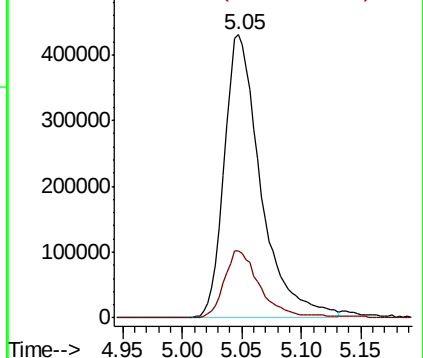
73 100

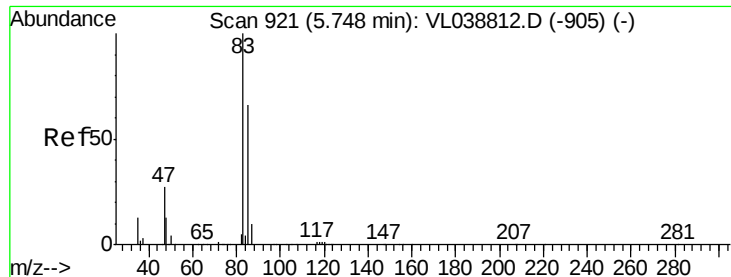
57 24.1 19.7 29.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.082 ppbv

RT: 5.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

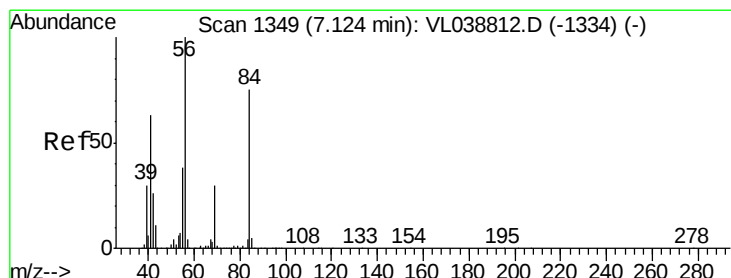
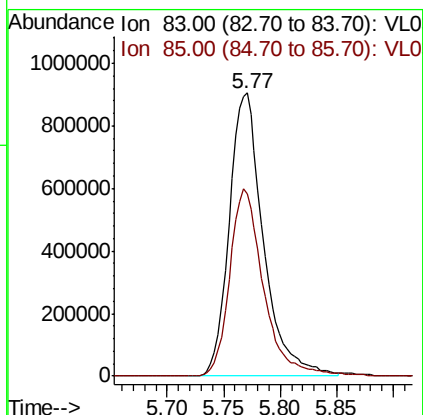
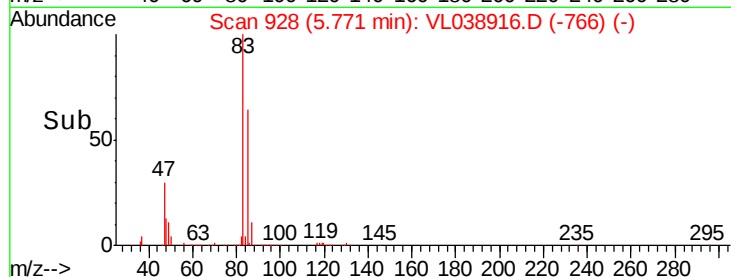
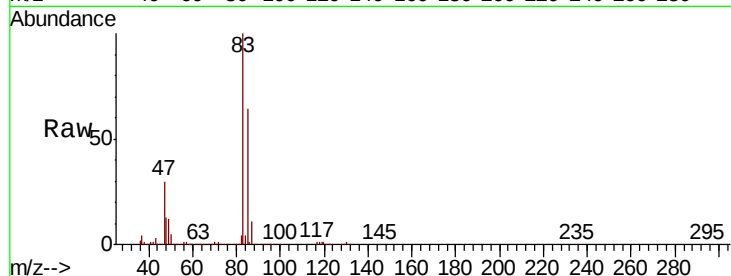
Acq: 14 Apr 2022 13:12

Tot Ion: 83 Resp: 1905902

Ion Ratio Lower Upper

83 100

85 64.2 52.5 78.7



#30

Cyclohexane

Concen: 7.808 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.02 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

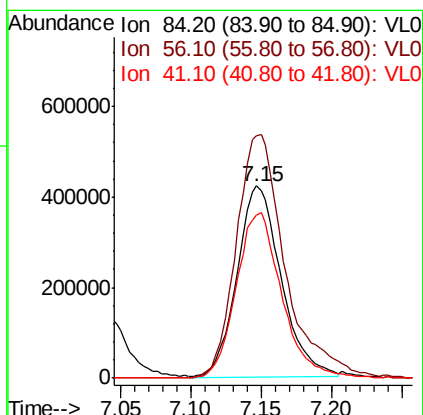
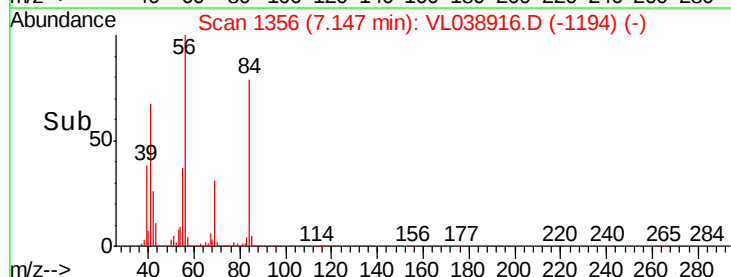
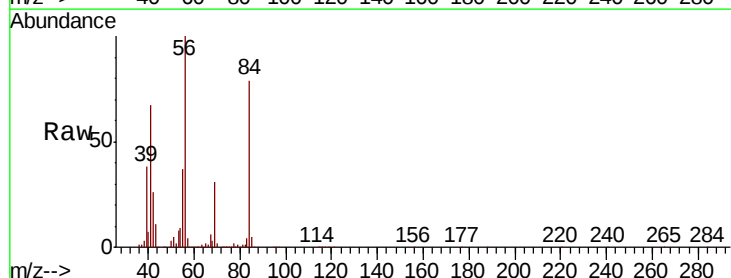
Tgt Ion: 84 Resp: 929772

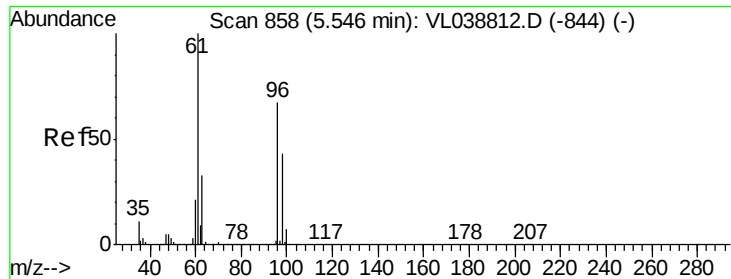
Ion Ratio Lower Upper

84 100

56 141.7 114.4 171.6

41 89.7 69.0 103.4





#31

cis-1,2-Dichloroethene

Concen: 9.650 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 13:12

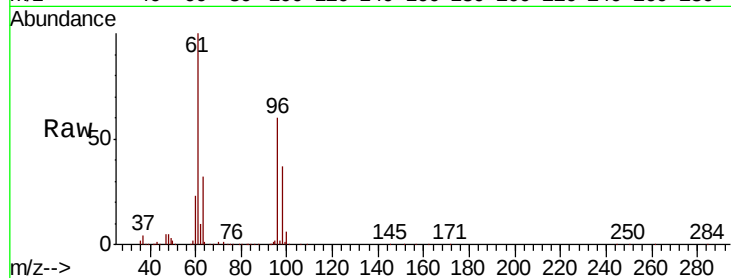
Tot Ion: 61 Resp: 1198852

Ion Ratio Lower Upper

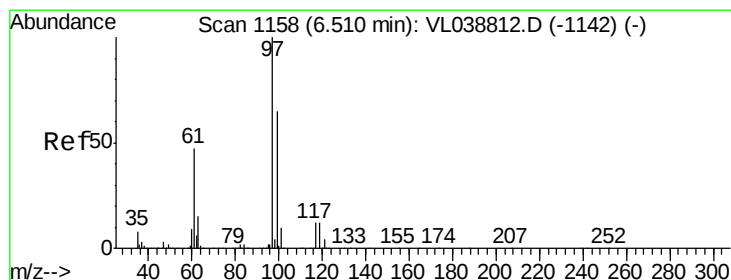
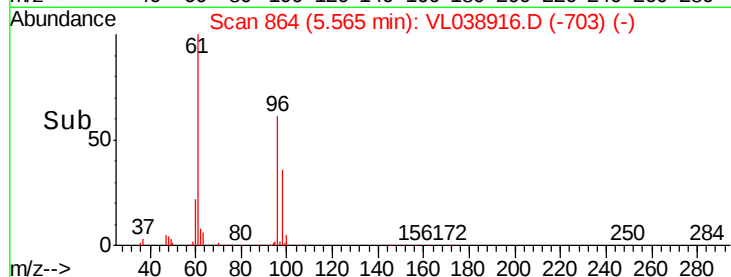
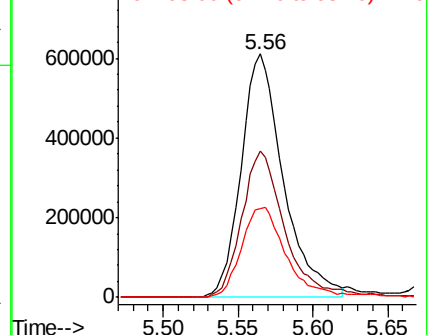
61 100

96 60.2 53.4 80.0

98 36.6 34.2 51.4



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: 10.240 ppbv

RT: 6.53 min Scan# 1164

Delta R.T. 0.02 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

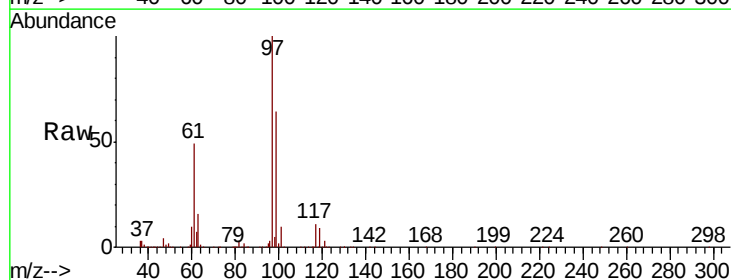
Tgt Ion: 97 Resp: 1950274

Ion Ratio Lower Upper

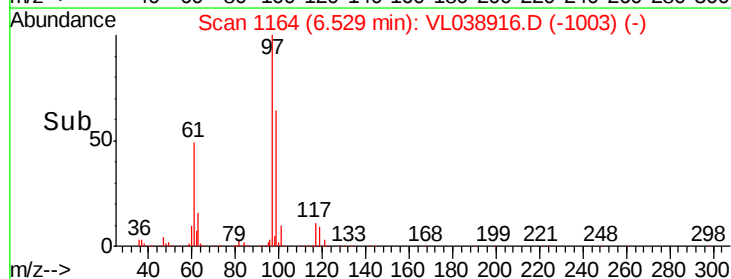
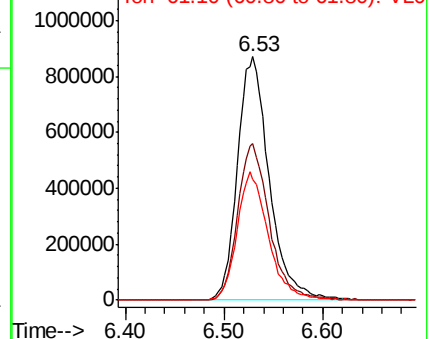
97 100

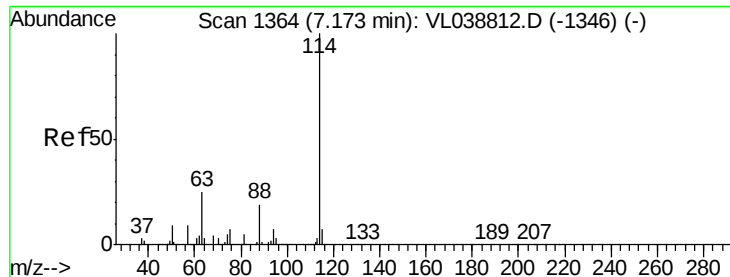
99 64.3 52.4 78.6

61 51.8 38.6 57.8



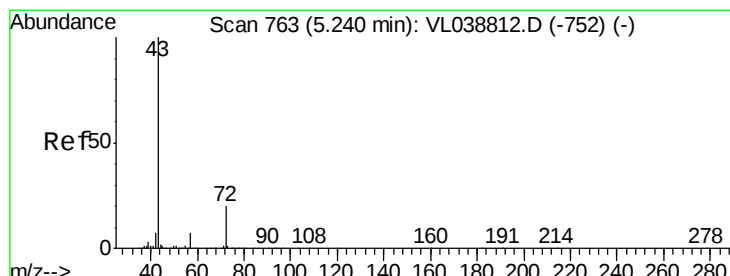
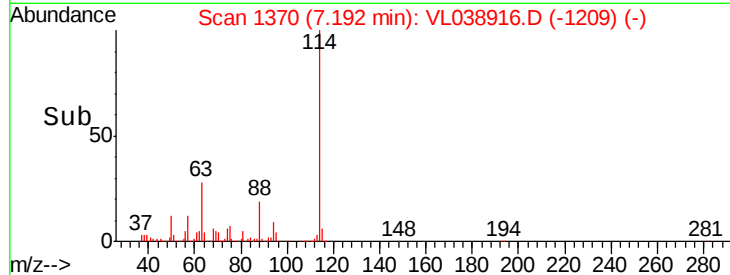
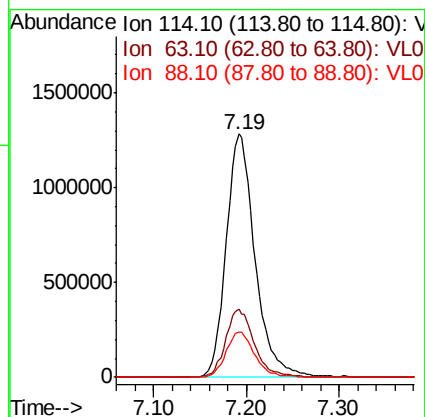
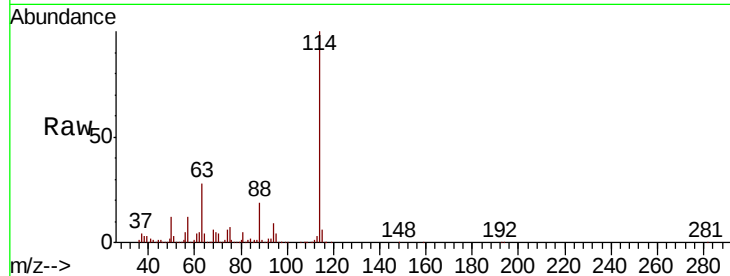
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





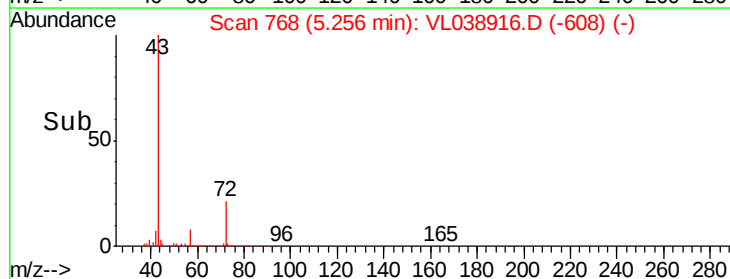
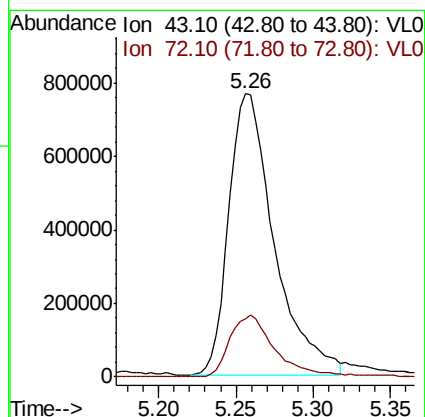
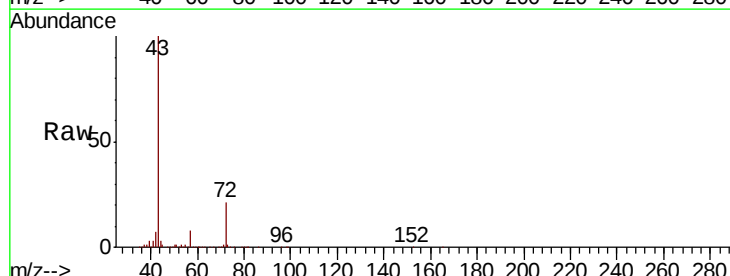
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 13:12

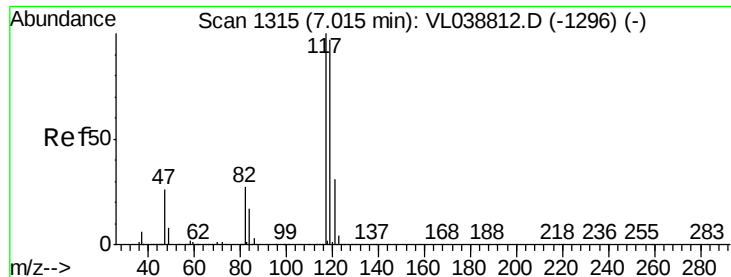
Tot Ion:114 Resp: 2770489
 Ion Ratio Lower Upper
 114 100
 63 28.3 19.8 29.8
 88 18.7 14.2 21.4



#34
 2-Butanone
 Concen: 14.208 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.02 min
 Lab File: VL038916.D
 Acq: 14 Apr 2022 13:12

Tgt Ion: 43 Resp: 1555405
 Ion Ratio Lower Upper
 43 100
 72 22.9 16.9 25.3

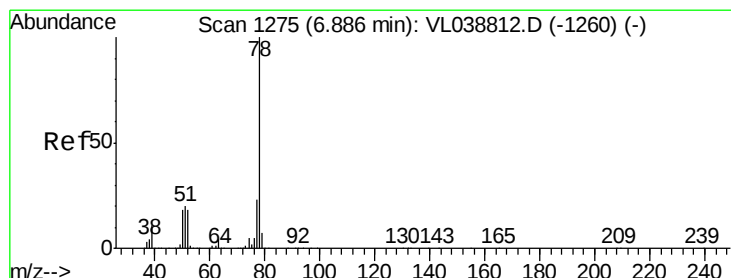
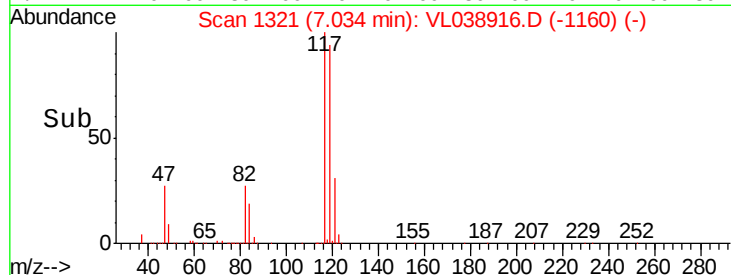
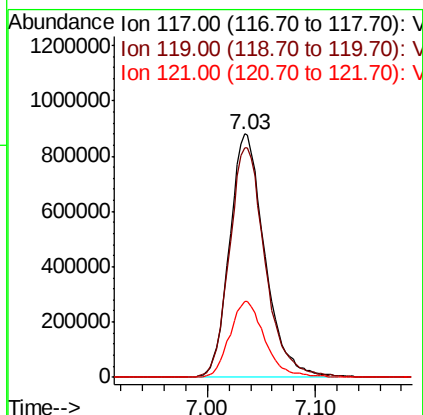
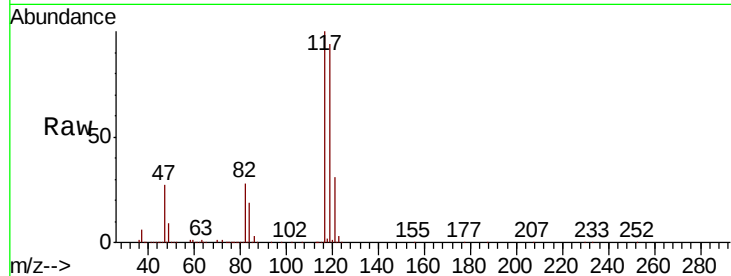




#35
Carbon Tetrachloride
Concen: 12.047 ppbv
RT: 7.03
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Apr 2022 13:12

Tot Ion:117 Resp: 2000981

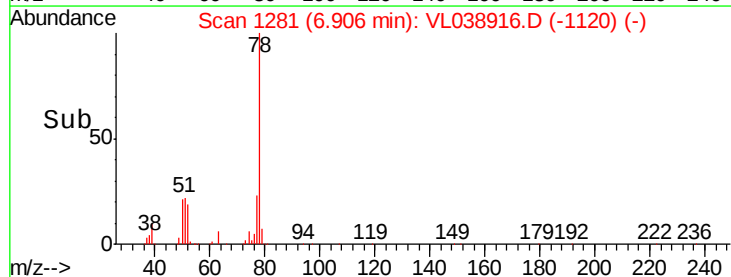
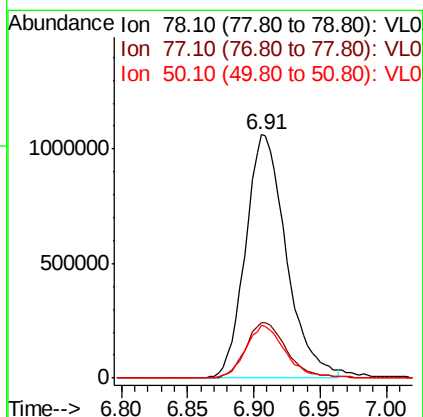
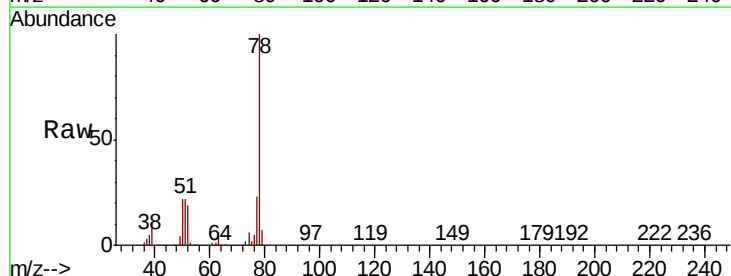
Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.7	116.5
121	31.4	24.5	36.7

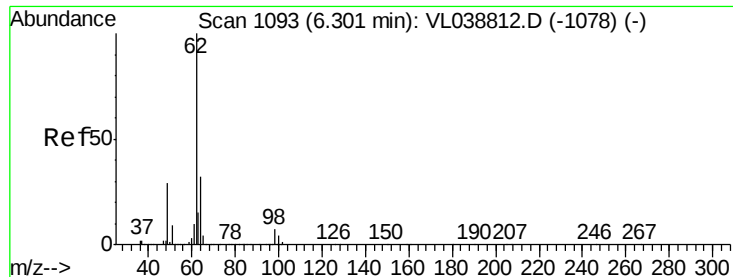


#36
Benzene
Concen: 9.027 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.02 min
Lab File: VL038916.D
Acq: 14 Apr 2022 13:12

Tgt Ion: 78 Resp: 2275049

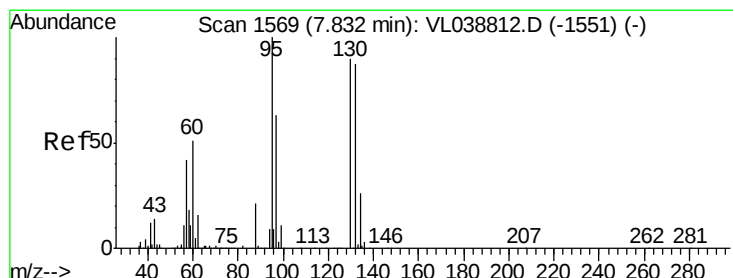
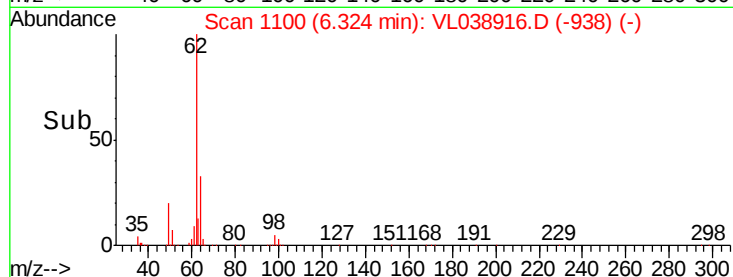
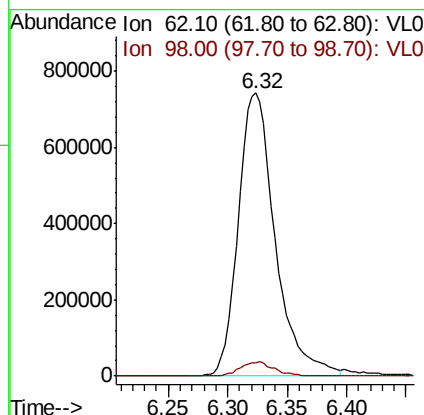
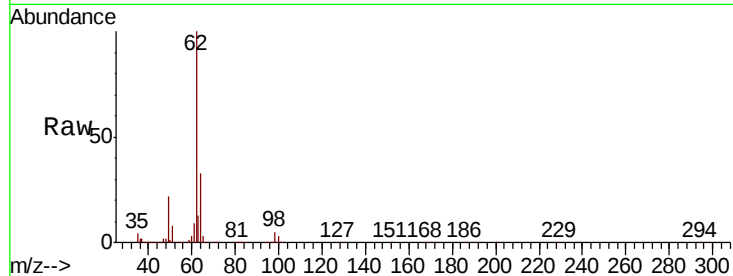
Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.2
50	21.5	14.0	21.0#





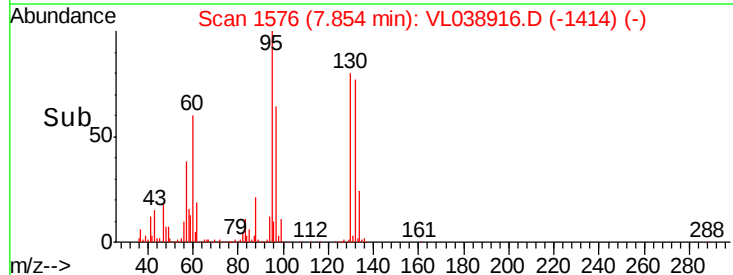
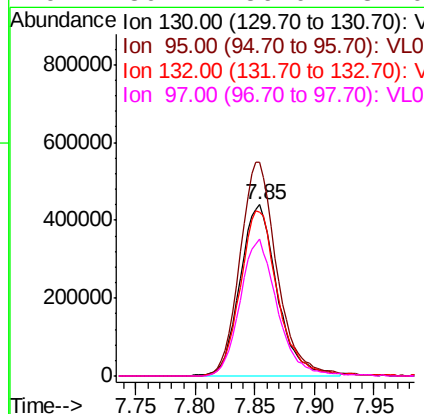
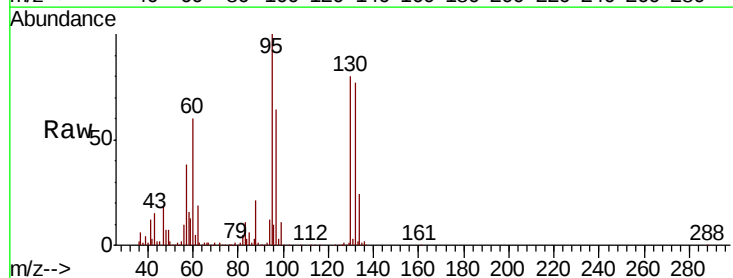
#37
 1,2-Dichloroethane
 Concen: 13.858 ppbv
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 13:12

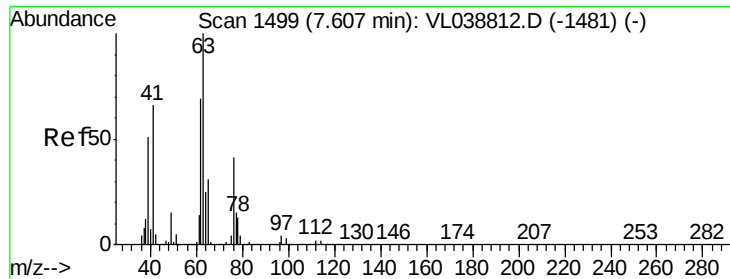
Tot Ion: 62 Resp: 1596884
 Ion Ratio Lower Upper
 62 100
 98 5.0 5.9 8.9#



#38
 Trichloroethene
 Concen: 9.103 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VL038916.D
 Acq: 14 Apr 2022 13:12

Tgt Ion:130 Resp: 941385
 Ion Ratio Lower Upper
 130 100
 95 125.1 89.4 134.0
 132 95.8 77.7 116.5
 97 80.2 56.0 84.0





#39

1,2-Dichloropropane

Concen: 9.494 ppbv

RT: 7.63 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 13:12

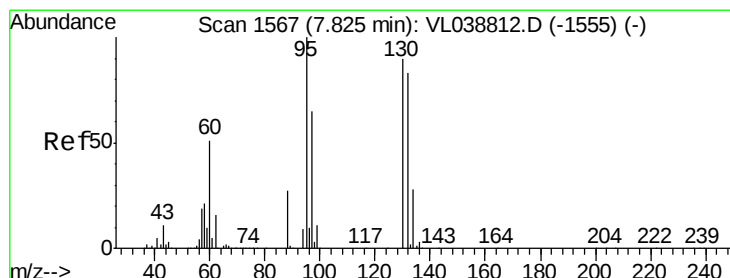
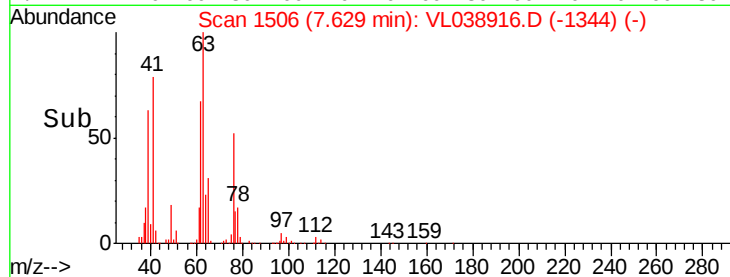
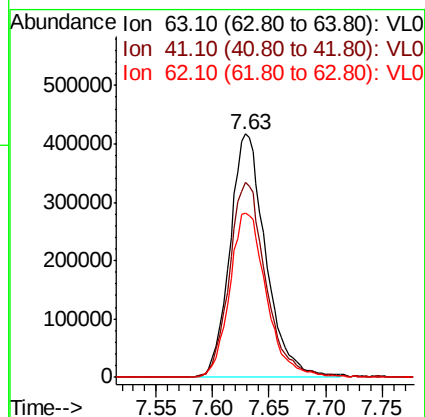
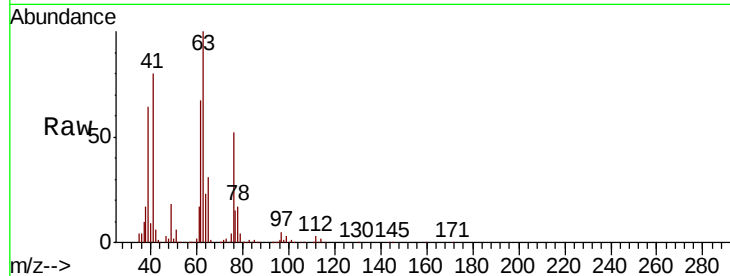
Tot Ion: 63 Resp: 915213

Ion Ratio Lower Upper

63 100

41 80.1 53.0 79.6#

62 67.4 55.0 82.4



#40

1,4-Dioxane

Concen: 10.125 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

Tgt Ion: 88 Resp: 331435

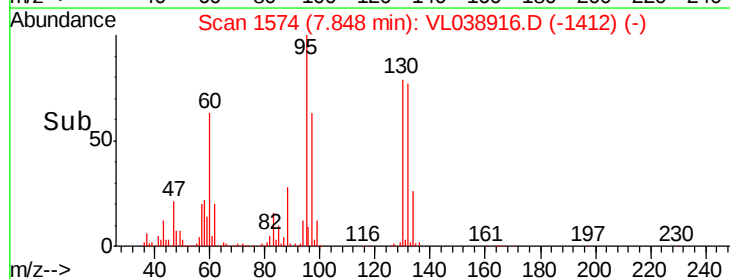
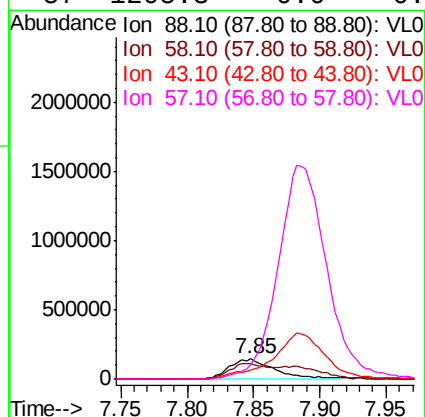
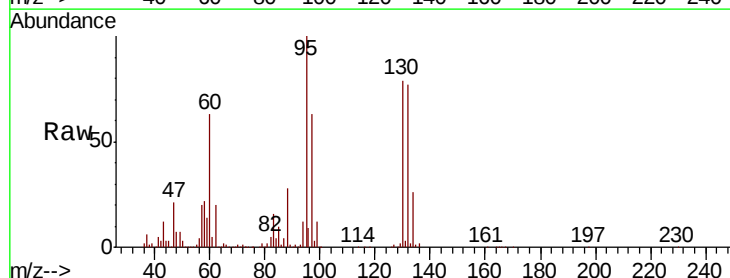
Ion Ratio Lower Upper

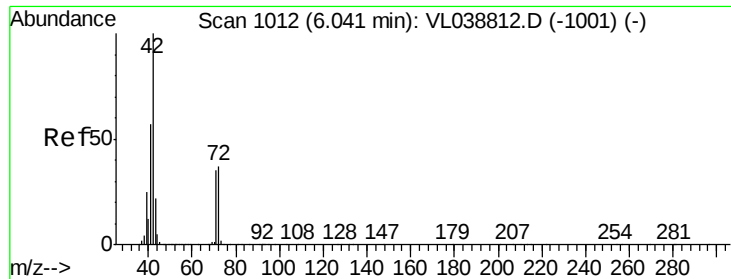
88 100

58 135.2 49.4 74.0#

43 279.3 0.0 0.0#

57 1205.3 0.0 0.0#





#41

Tetrahydrofuran

Concen: 9.032 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 13:12

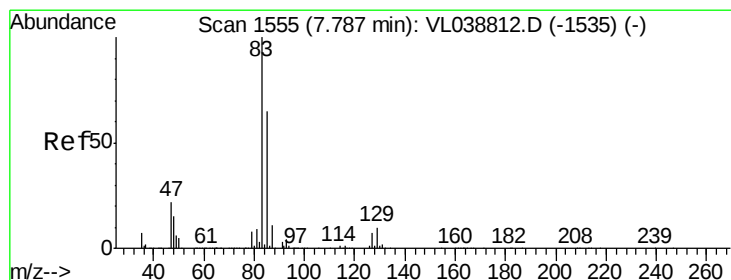
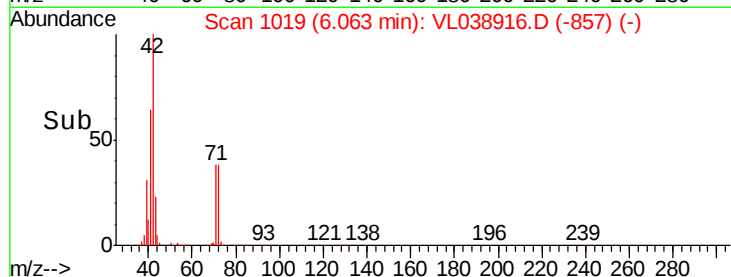
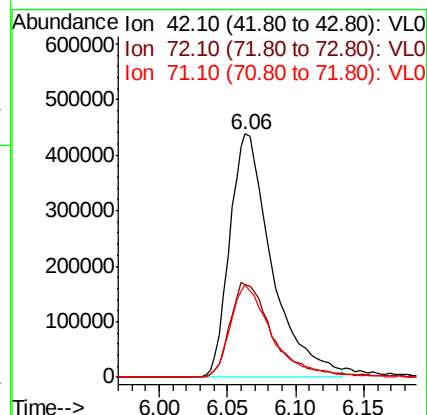
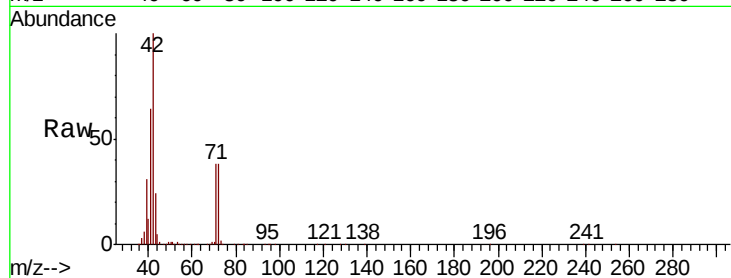
Tot Ion: 42 Resp: 939046

Ion Ratio Lower Upper

42 100

72 40.3 31.4 47.0

71 38.6 30.2 45.4



#42

Bromodichloromethane

Concen: 12.037 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.02 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

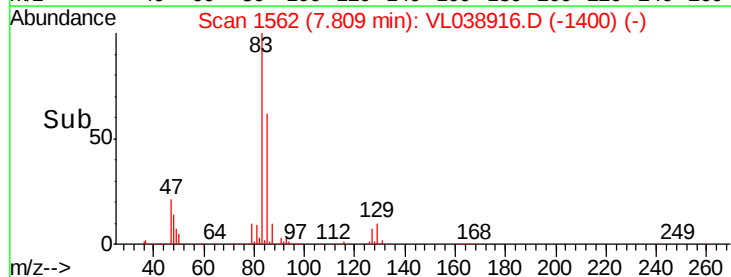
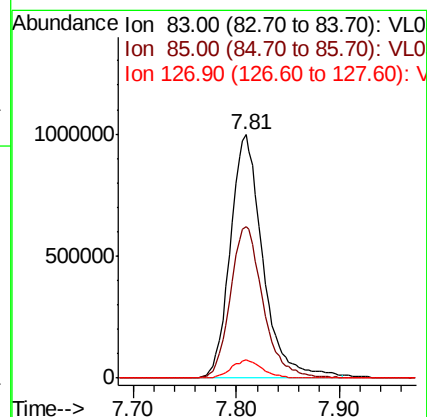
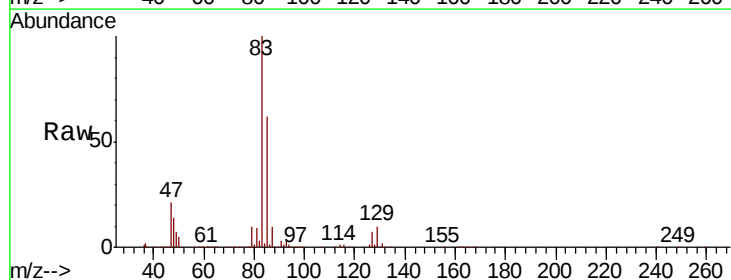
Tgt Ion: 83 Resp: 2190303

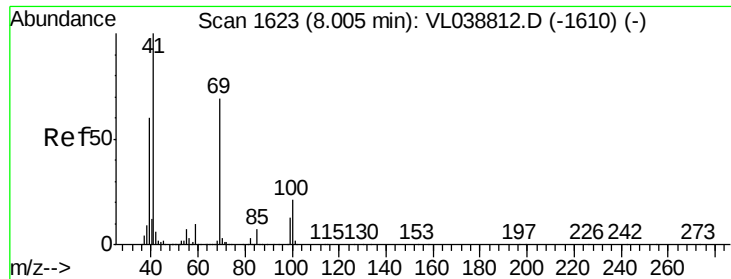
Ion Ratio Lower Upper

83 100

85 62.3 51.7 77.5

127 7.3 5.9 8.9





#43

Methyl Methacrylate

Concen: 10.001 ppbv

RT: 8.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 13:12

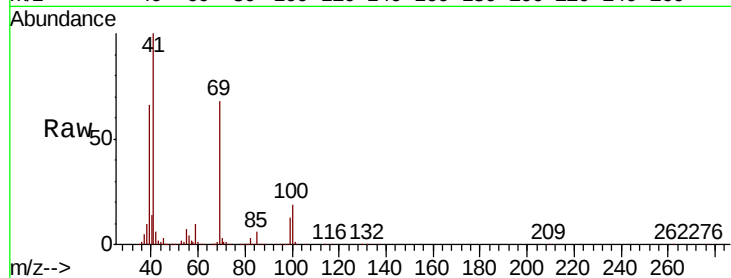
Tot Ion: 69 Resp: 965418

Ion Ratio Lower Upper

69 100

41 156.3 119.0 178.4

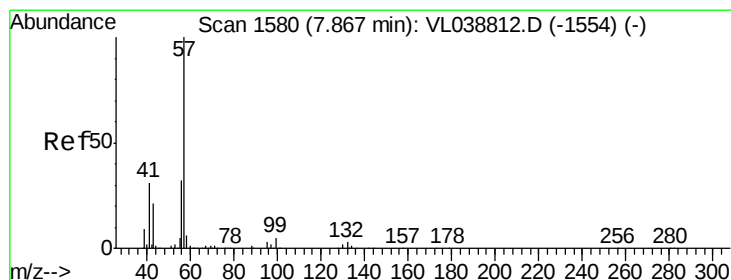
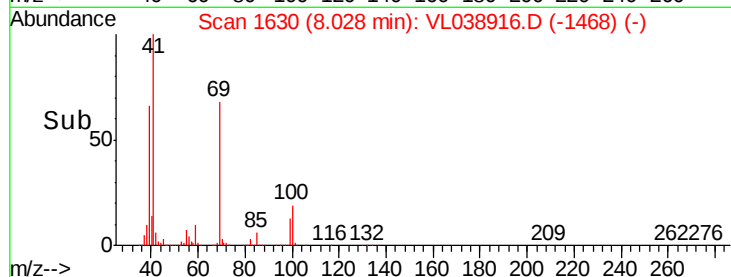
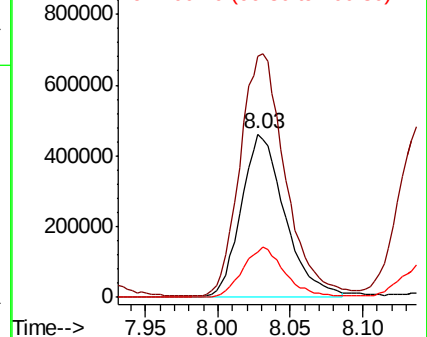
100 30.0 26.4 39.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.363 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.02 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

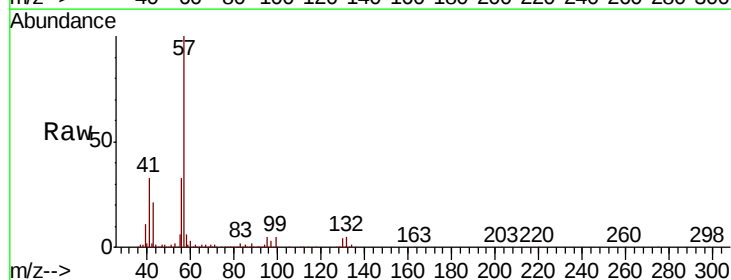
Tgt Ion: 57 Resp: 3995341

Ion Ratio Lower Upper

57 100

41 33.5 25.0 37.4

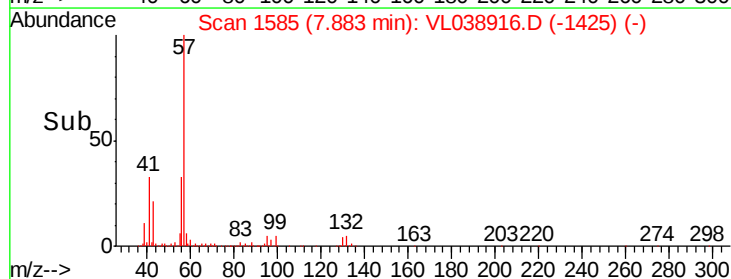
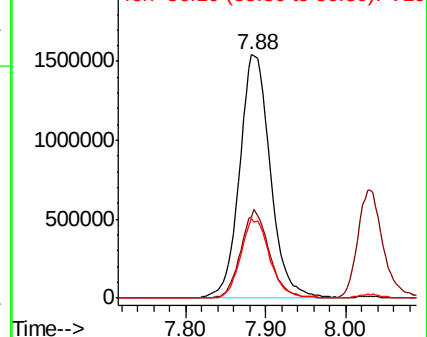
56 30.8 25.3 37.9

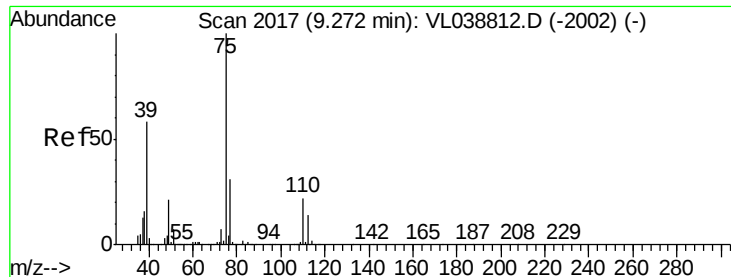


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.480 ppbv

RT: 9.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

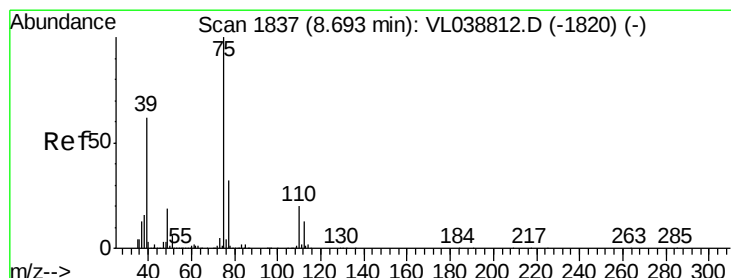
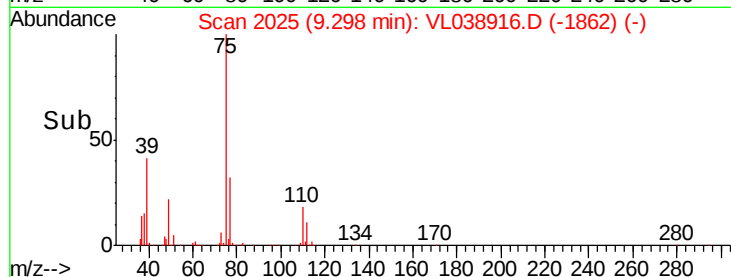
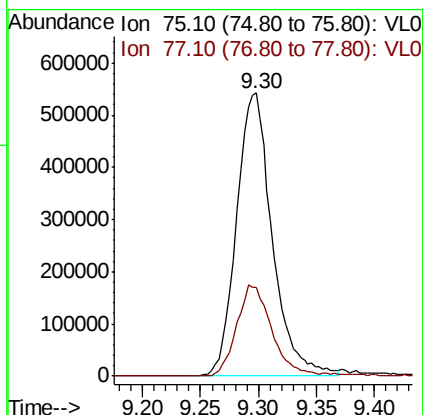
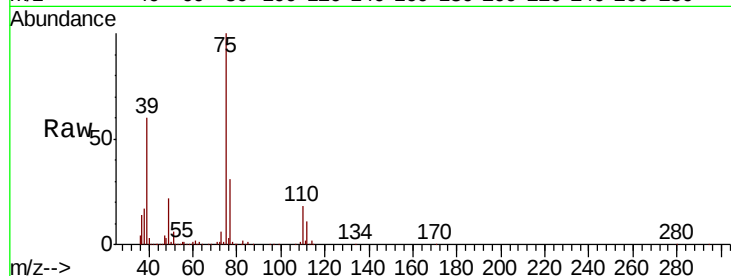
Acq: 14 Apr 2022 13:12

Tot Ion: 75 Resp: 1158775

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 10.537 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.03 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

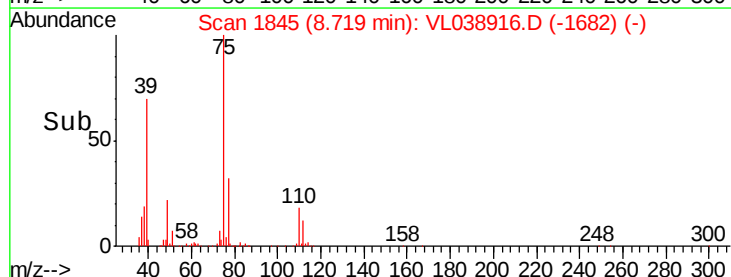
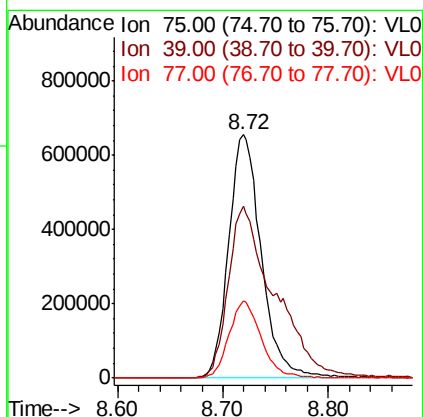
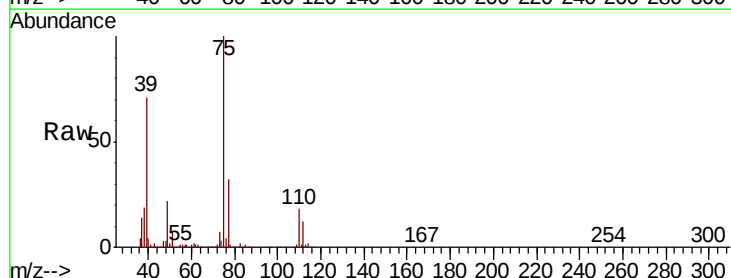
Tgt Ion: 75 Resp: 1402250

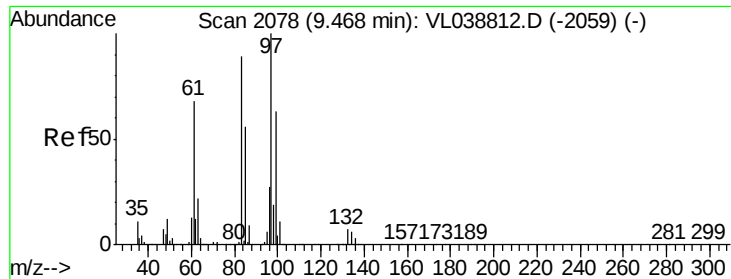
Ion Ratio Lower Upper

75 100

39 70.7 49.7 74.5

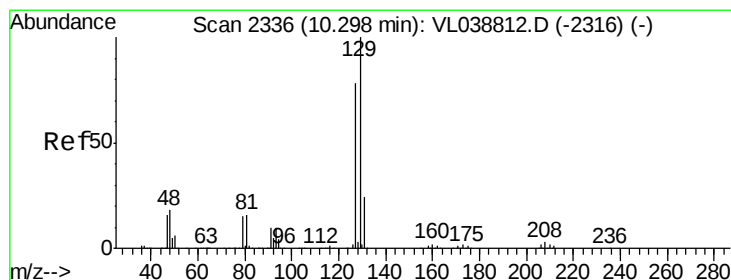
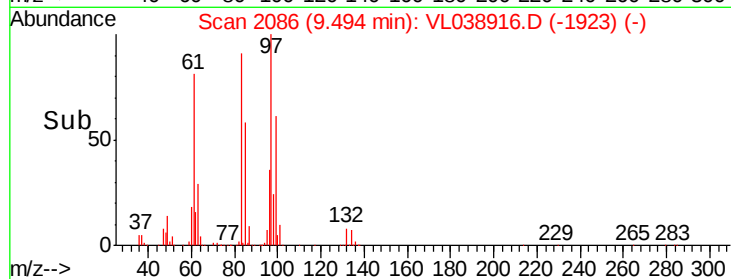
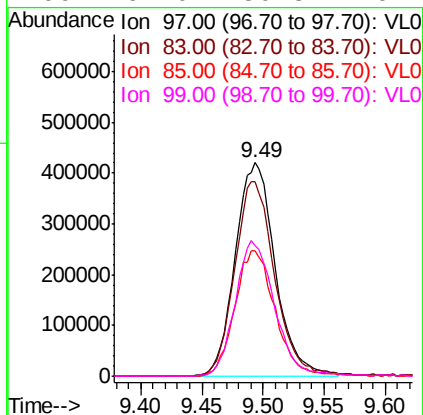
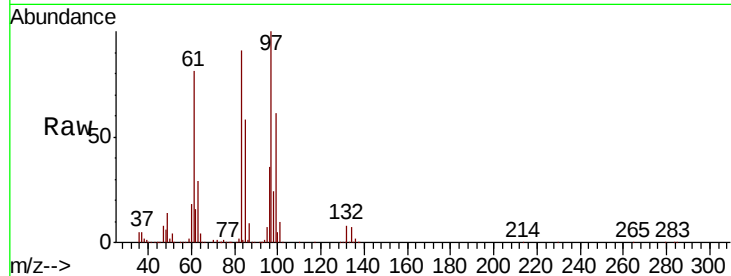
77 31.9 25.6 38.4





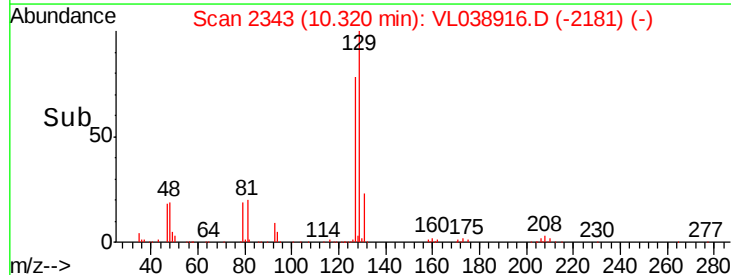
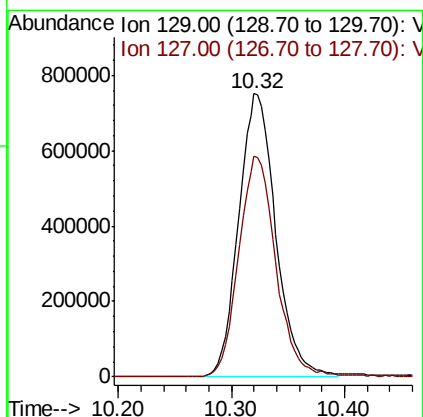
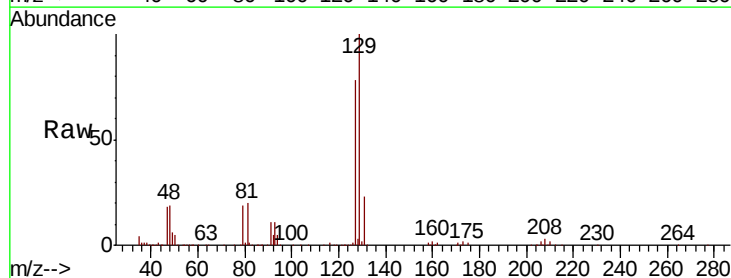
#47
 1,1,2-Trichloroethane
 Concen: 9.617 ppbv
 RT: 9.49 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 13:12

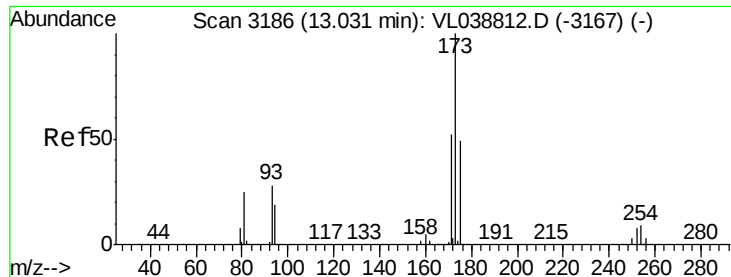
Tot Ion:	97	Resp:	949918
Ion	Ratio	Lower	Upper
97	100		
83	90.8	71.1	106.7
85	58.5	45.1	67.7
99	61.0	50.8	76.2



#48
 Dibromochloromethane
 Concen: 11.073 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T.: 0.02 min
 Lab File: VL038916.D
 Acq: 14 Apr 2022 13:12

Tgt Ion:	129	Resp:	1714374
Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.9	116.6





#49

Bromoform

Concen: 11.183 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File:

Acq: 14 Apr 2022 13:12

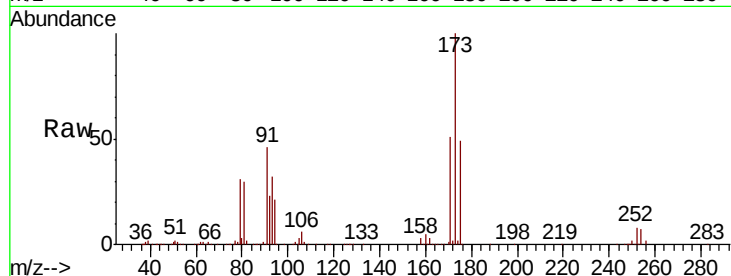
Tot Ion:173 Resp: 1371252

Ion Ratio Lower Upper

173 100

175 50.8 39.9 59.9

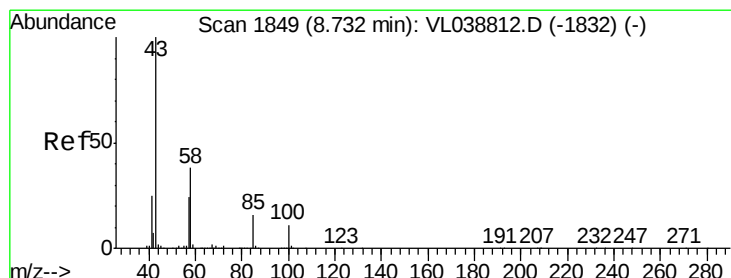
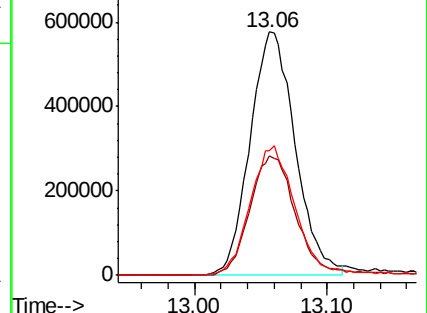
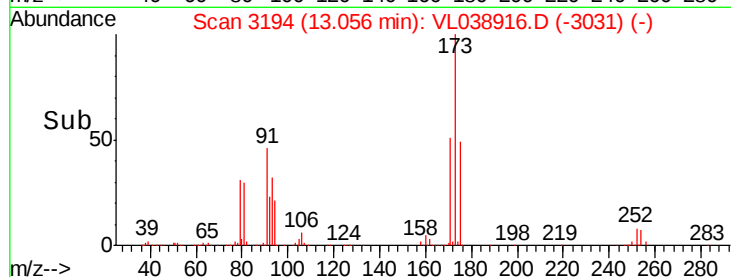
171 54.3 43.4 65.0



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: 10.125 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.02 min

Lab File: VL038916.D

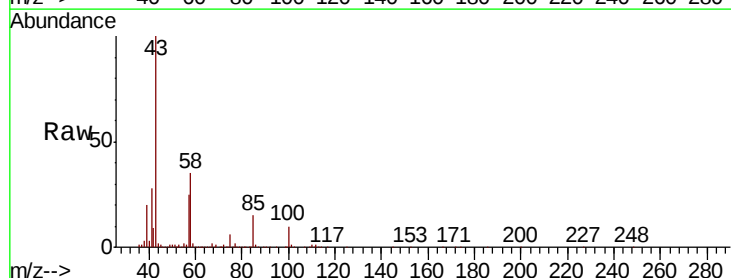
Acq: 14 Apr 2022 13:12

Tgt Ion: 43 Resp: 2493220

Ion Ratio Lower Upper

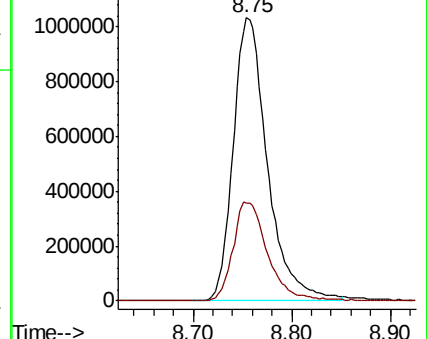
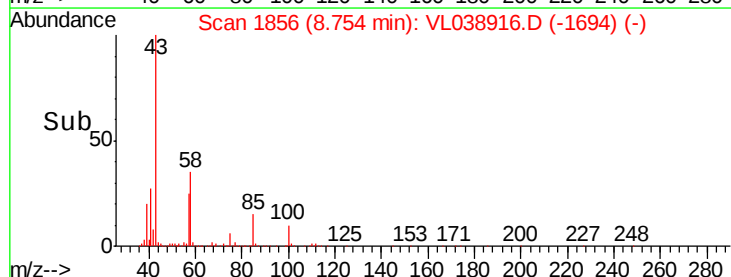
43 100

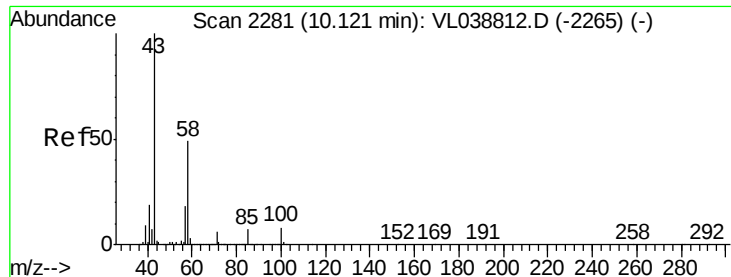
58 35.5 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.705 ppbv

RT: 10.15

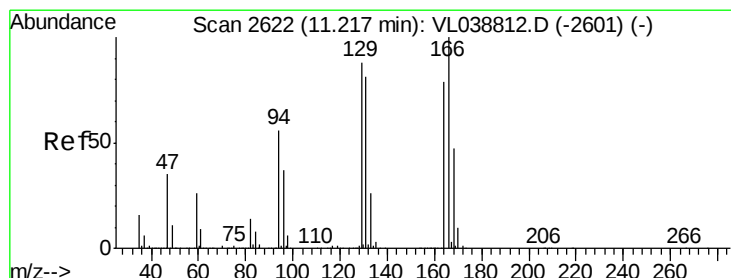
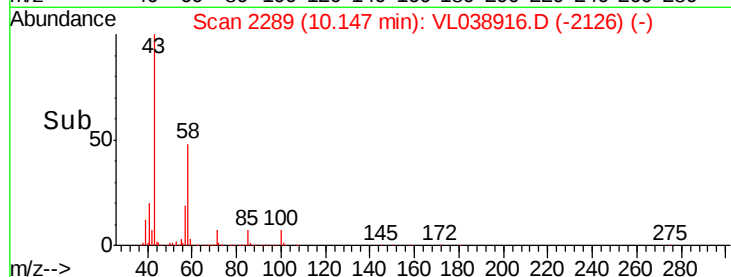
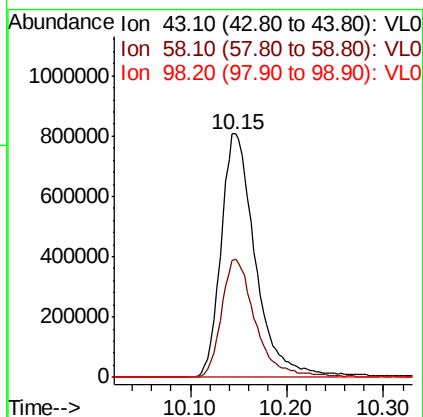
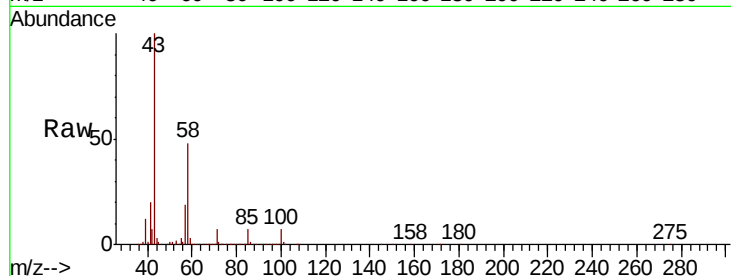
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 13:12

Tot Ion: 43 Resp: 1986303

Ion	Ratio	Lower	Upper
43	100		
58	48.5	41.4	62.0
98	0.2	0.1	0.1#



#52

Tetrachloroethene

Concen: 8.920 ppbv

RT: 11.24 min Scan# 2629

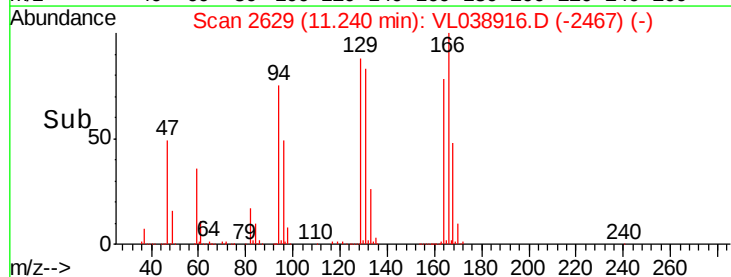
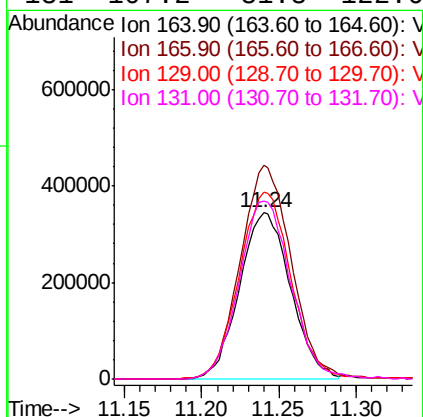
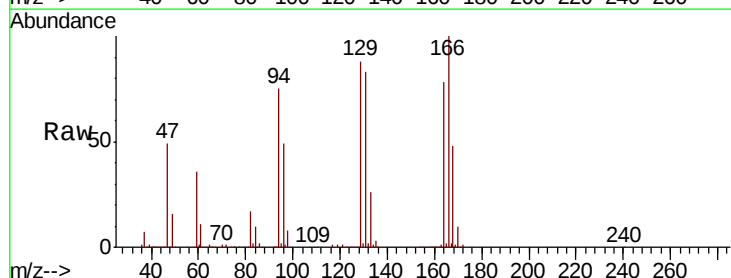
Delta R.T. 0.02 min

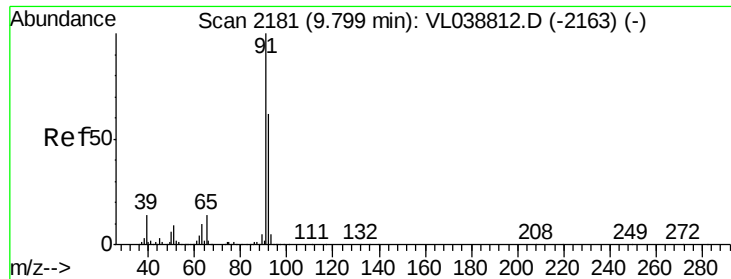
Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

Tgt Ion: 164 Resp: 785239

Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.0	151.6
129	112.7	88.7	133.1
131	107.2	81.8	122.6





#53

Toluene

Concen: 9.177 ppbv

RT: 9.83 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

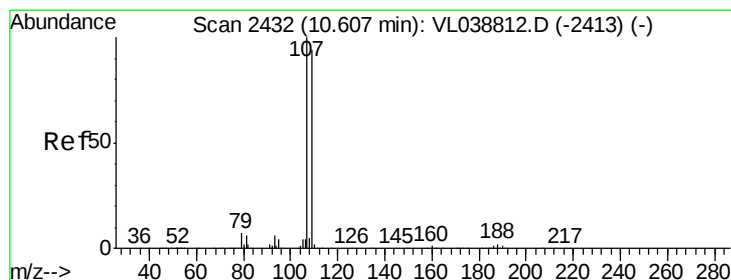
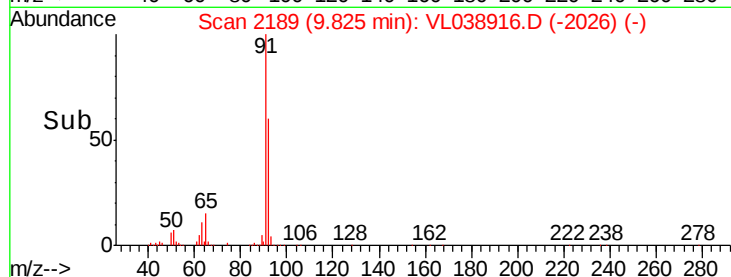
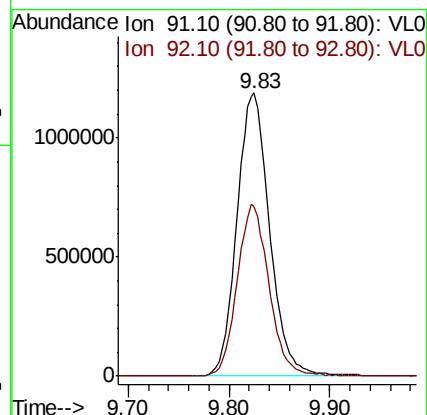
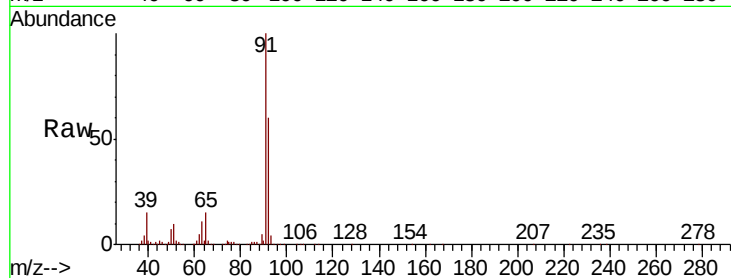
Acq: 14 Apr 2022 13:12

Tot Ion: 91 Resp: 2669981

Ion Ratio Lower Upper

91 100

92 59.7 49.2 73.8



#54

1,2-Dibromoethane

Concen: 10.280 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.02 min

Lab File: VL038916.D

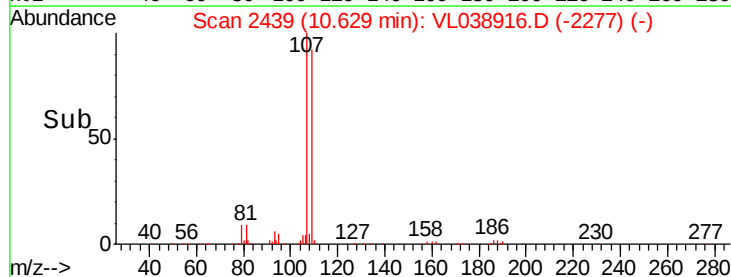
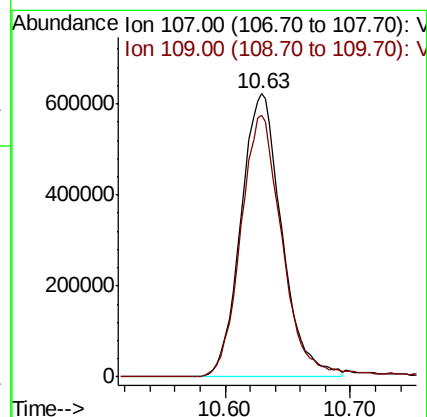
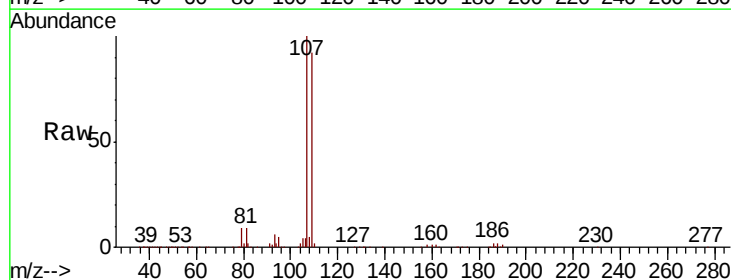
Acq: 14 Apr 2022 13:12

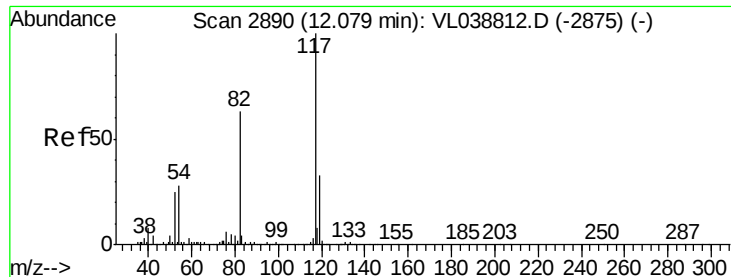
Tgt Ion:107 Resp: 1410514

Ion Ratio Lower Upper

107 100

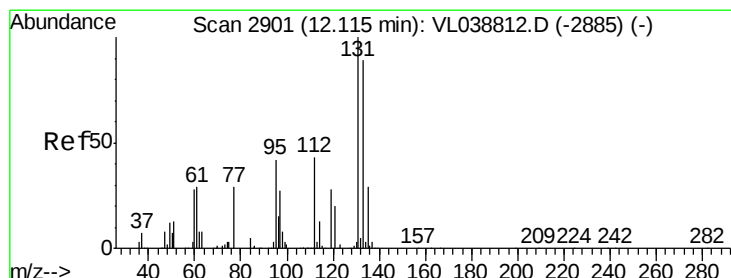
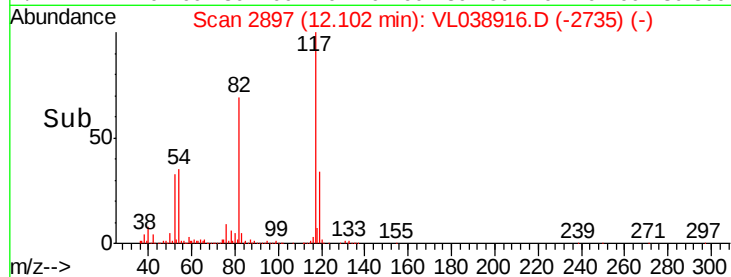
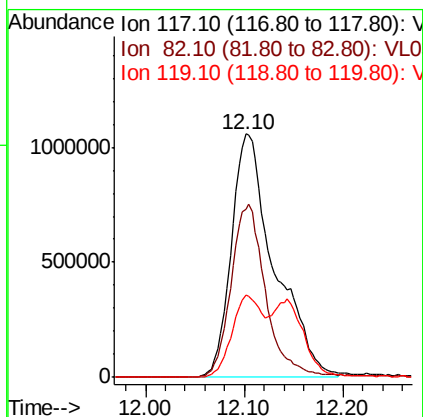
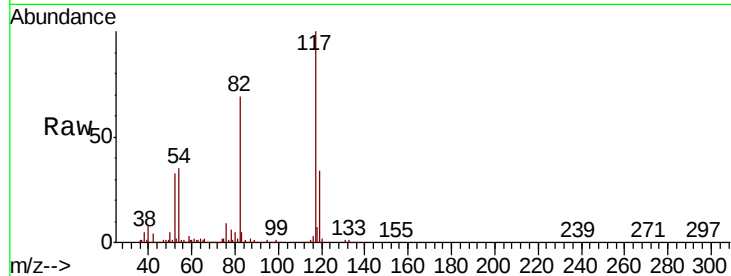
109 92.2 75.5 113.3





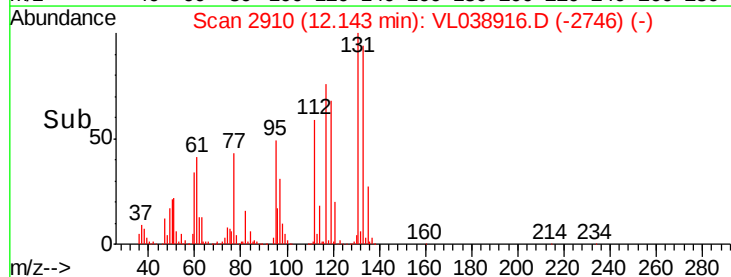
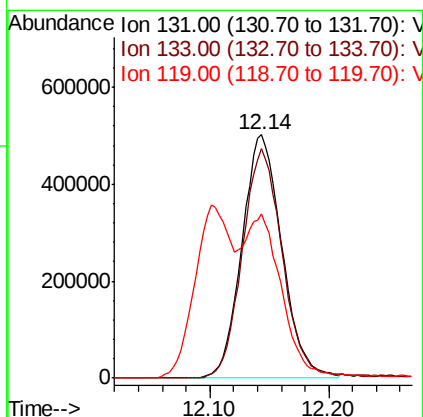
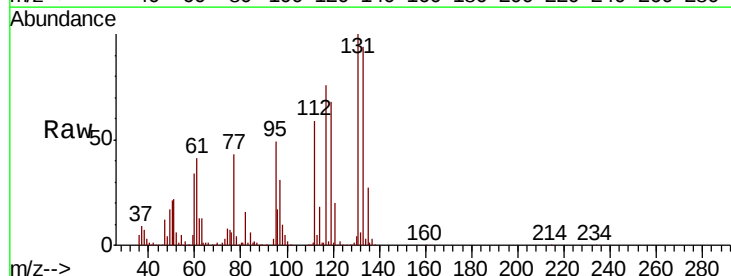
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 13:12

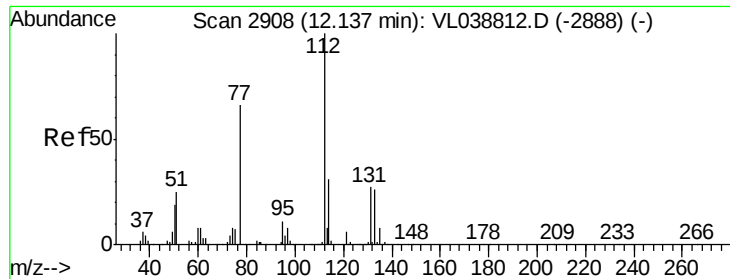
Tot Ion:117 Resp: 3213372
 Ion Ratio Lower Upper
 117 100
 82 58.3 53.0 79.6
 119 23.2 24.9 37.3#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 8.285 ppbv
 RT: 12.14 min Scan# 2910
 Delta R.T.: 0.03 min
 Lab File: VL038916.D
 Acq: 14 Apr 2022 13:12

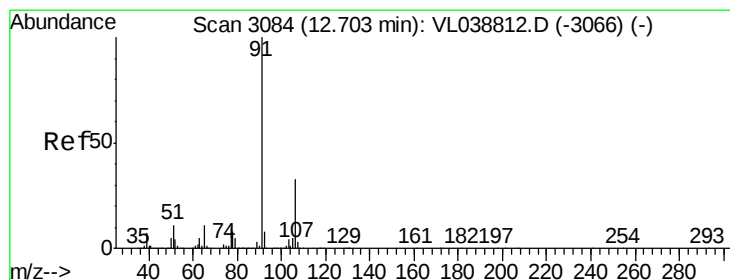
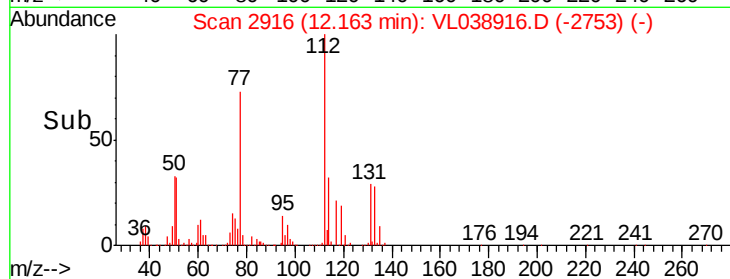
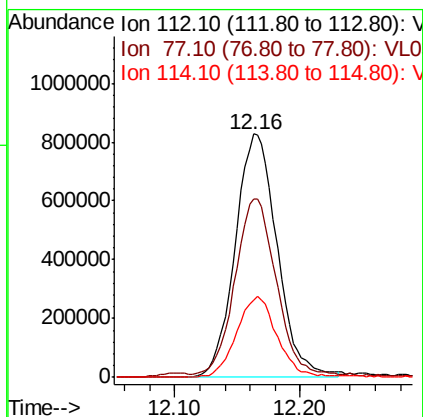
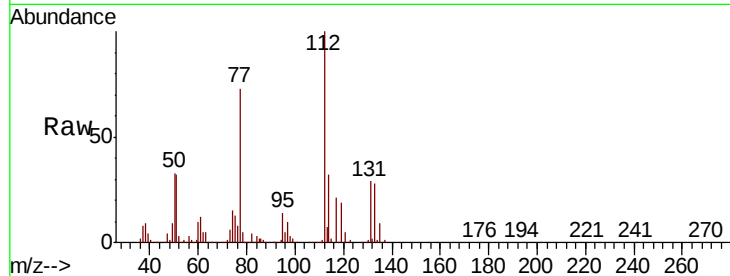
Tgt Ion:131 Resp: 1166762
 Ion Ratio Lower Upper
 131 100
 133 95.6 78.2 117.4
 119 59.6 58.6 87.8





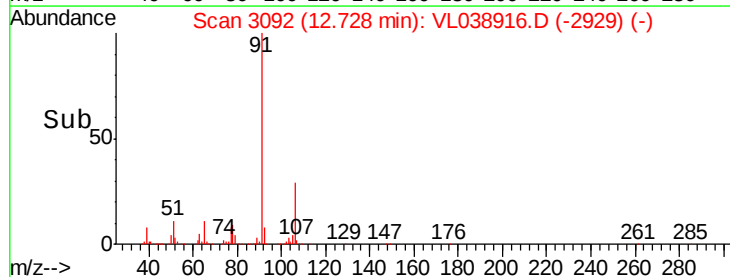
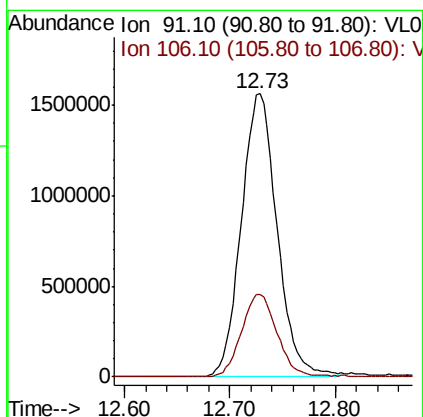
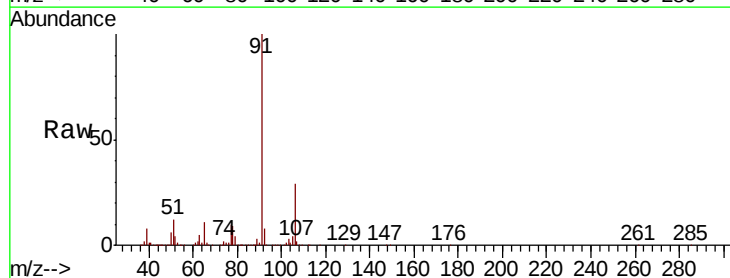
#57
Chlorobenzene
Concen: 7.304 ppbv
RT: 12.16 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 13:12

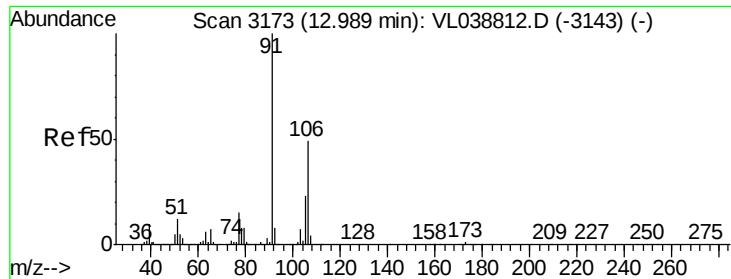
Tot Ion: 112 Resp: 1922121
Ion Ratio Lower Upper
112 100
77 71.8 52.4 78.6
114 31.6 28.1 34.3



#58
Ethyl Benzene
Concen: 7.681 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. 0.03 min
Lab File: VL038916.D
Acq: 14 Apr 2022 13:12

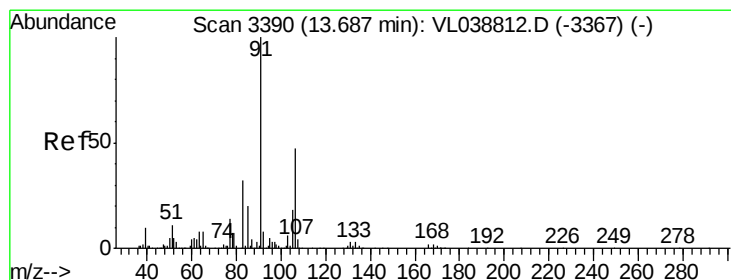
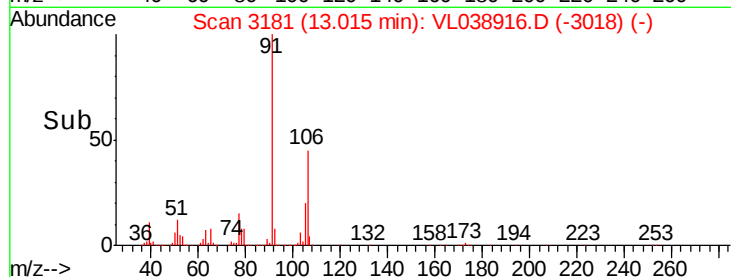
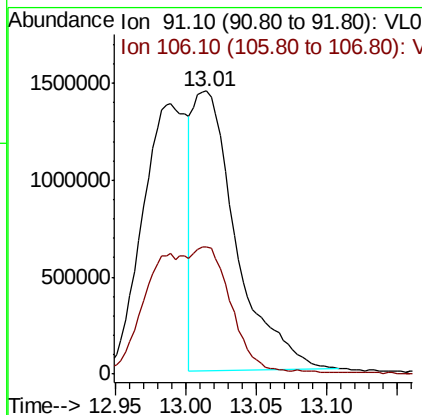
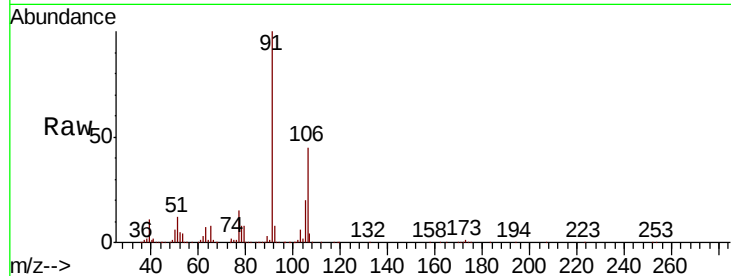
Tgt Ion: 91 Resp: 3687990
Ion Ratio Lower Upper
91 100
106 29.0 26.7 40.1





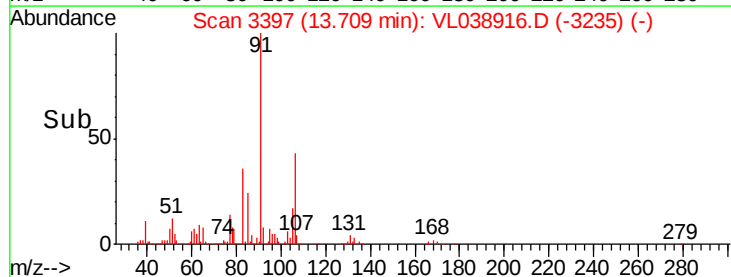
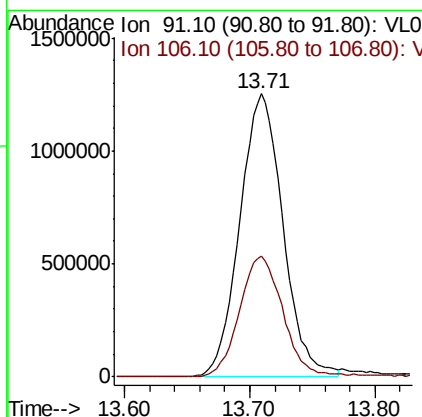
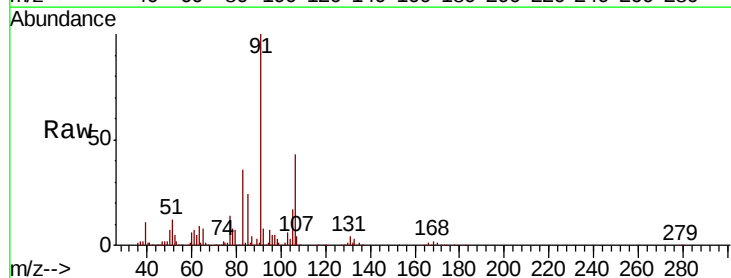
#59
m/p-Xylene
Concen: 7.678 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 13:12

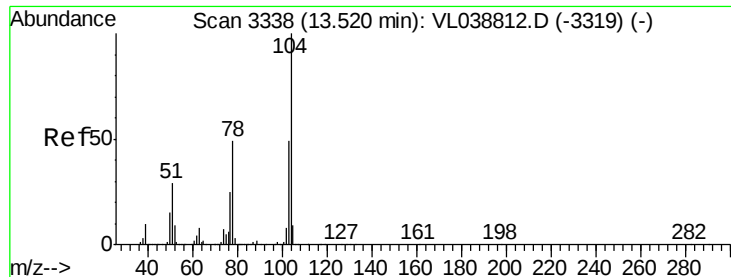
Tot Ion: 91 Resp: 3097499
Ion Ratio Lower Upper
91 100
106 87.0 37.1 55.7#



#60
o-Xylene
Concen: 7.930 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.02 min
Lab File: VL038916.D
Acq: 14 Apr 2022 13:12

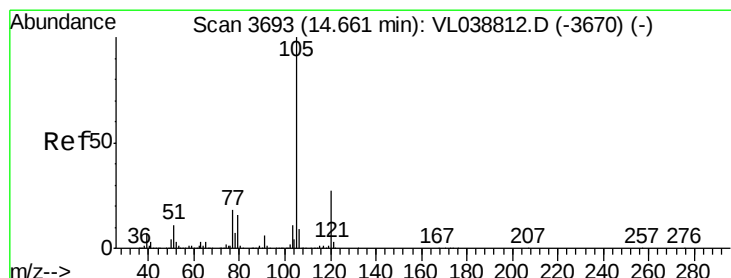
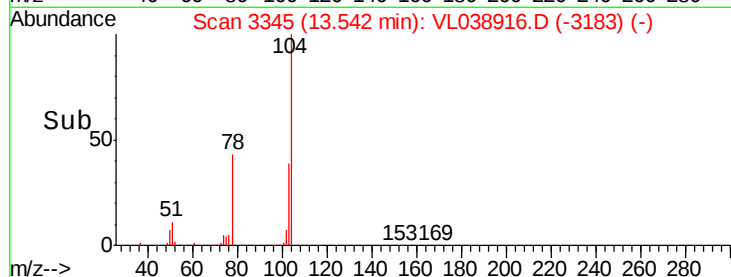
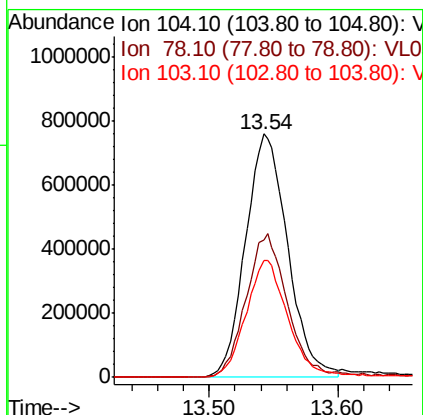
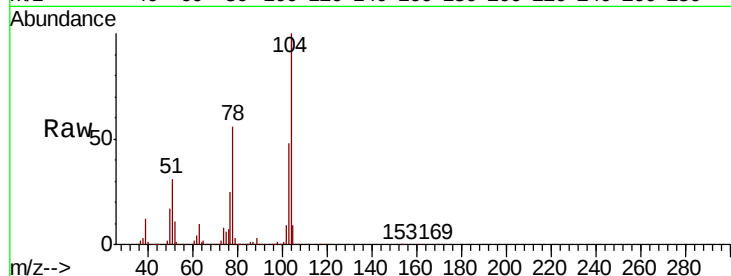
Tgt Ion: 91 Resp: 2993438
Ion Ratio Lower Upper
91 100
106 44.0 23.8 71.4





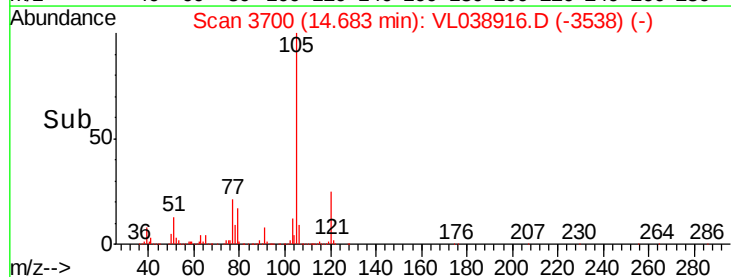
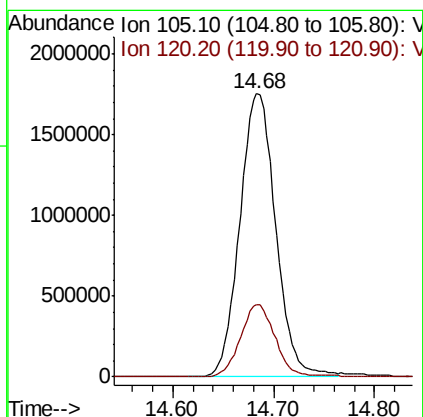
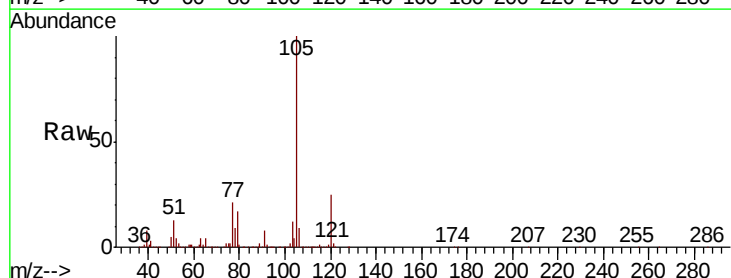
#61
Stvrene
Concen: 7.505 ppbv
RT: 13.54 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 13:12

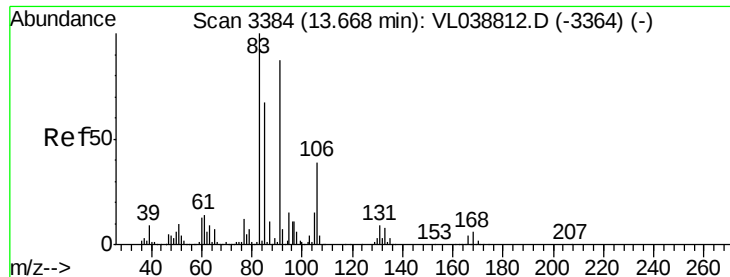
Tot Ion:104 Resp: 1725918
Ion Ratio Lower Upper
104 100
78 59.0 40.5 60.7
103 48.7 39.0 58.4



#62
Isopropylbenzene
Concen: 7.644 ppbv
RT: 14.68 min Scan# 3700
Delta R.T.: 0.02 min
Lab File: VL038916.D
Acq: 14 Apr 2022 13:12

Tgt Ion:105 Resp: 4331185
Ion Ratio Lower Upper
105 100
120 25.0 21.8 32.8





#63

1,1,2,2-Tetrachloroethane

Concen: 7.897 ppbv

RT: 13.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Apr 2022 13:12

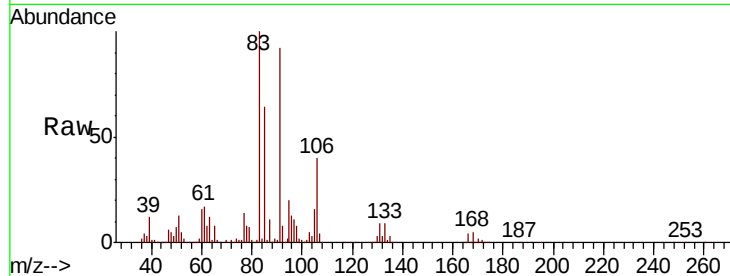
Tot Ion: 83 Resp: 1888050

Ion Ratio Lower Upper

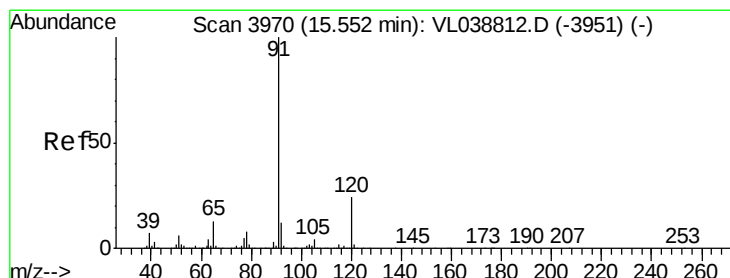
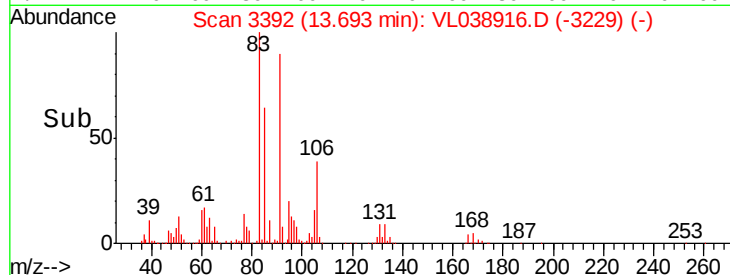
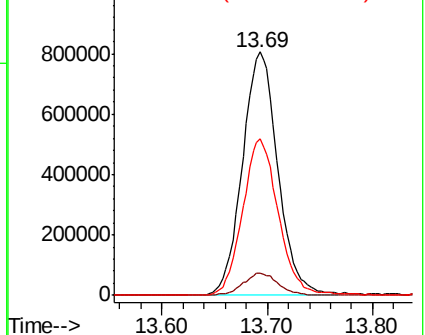
83 100

131 9.1 4.6 13.8

85 64.7 33.0 99.0



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.388 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.02 min

Lab File: VL038916.D

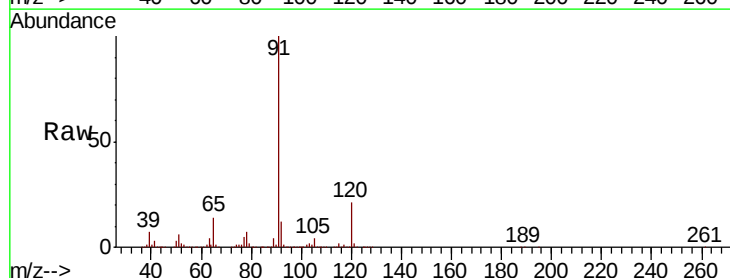
Acq: 14 Apr 2022 13:12

Tgt Ion:120 Resp: 1086967

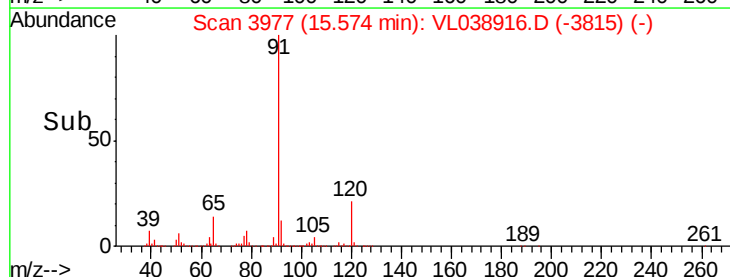
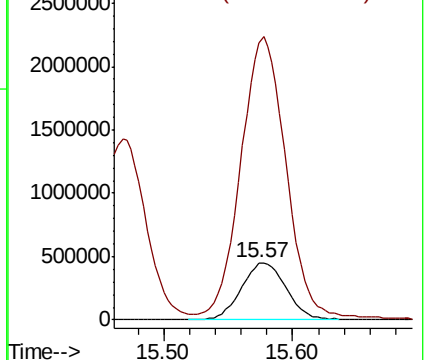
Ion Ratio Lower Upper

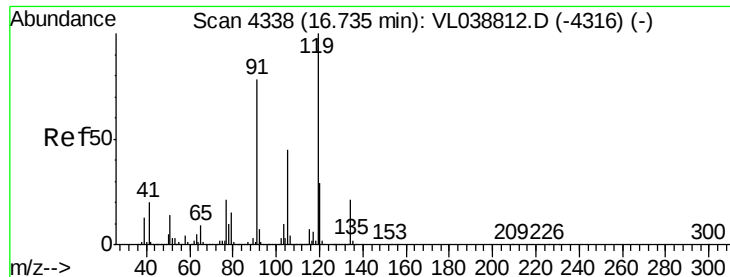
120 100

91 508.2 360.6 540.8



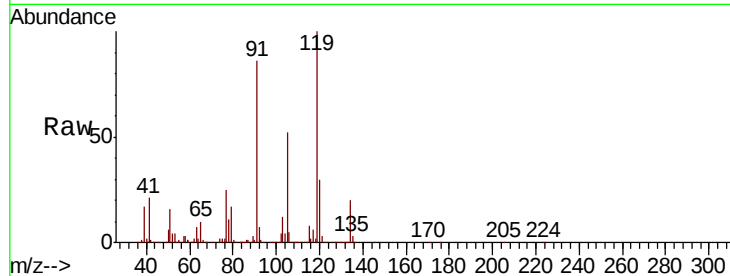
Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0



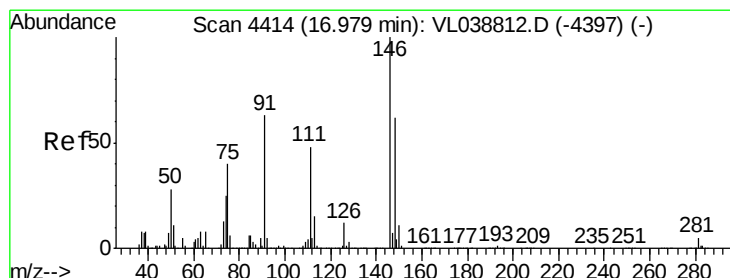
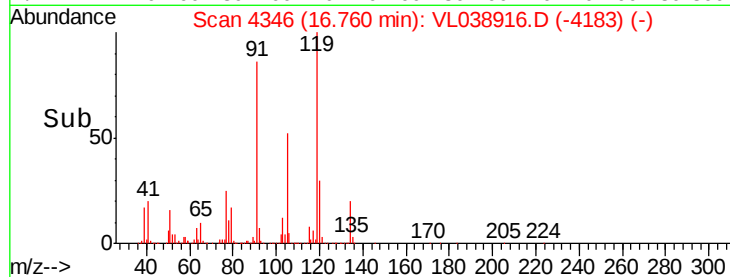
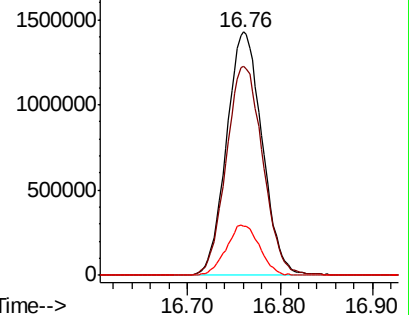


#65
tert-Butylbenzene
Concen: 7.564 ppbv
RT: 16.76 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 13:12

Tot Ion: 119 Resp: 3802321
Ion Ratio Lower Upper
119 100
91 88.5 62.8 94.2
134 19.4 16.2 24.4

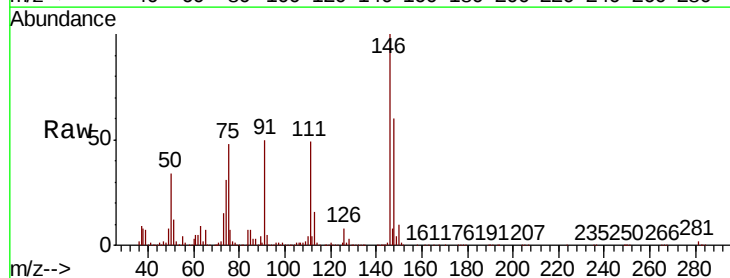


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

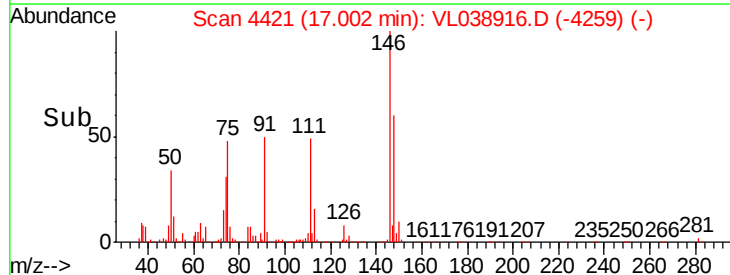
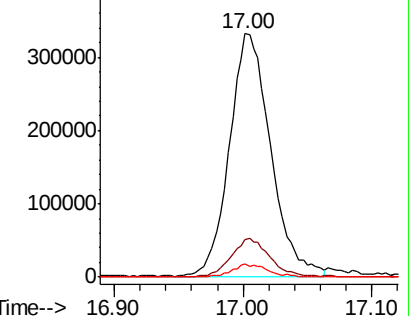


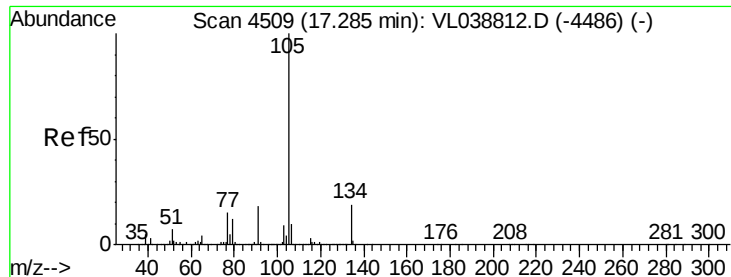
#66
Benzyl Chloride
Concen: 7.204 ppbv
RT: 17.00 min Scan# 4421
Delta R.T.: 0.02 min
Lab File: VL038916.D
Acq: 14 Apr 2022 13:12

Tgt Ion: 91 Resp: 737293
Ion Ratio Lower Upper
91 100
126 15.3 15.4 23.0#
128 5.0 4.7 7.1



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: 7.792 ppbv

RT: 17.31 min

Delta R.T. MSVOA_L

Lab File:

Acq: 14 Apr 2022 13:12

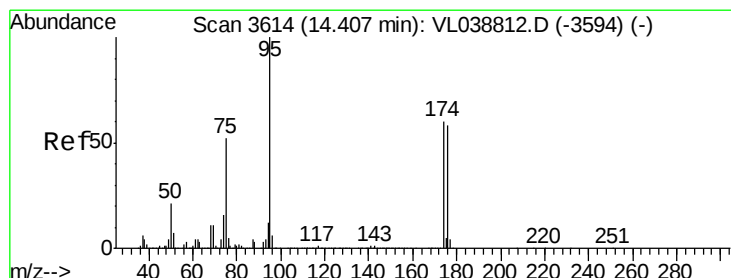
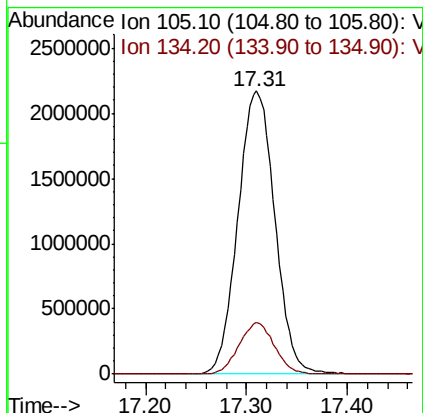
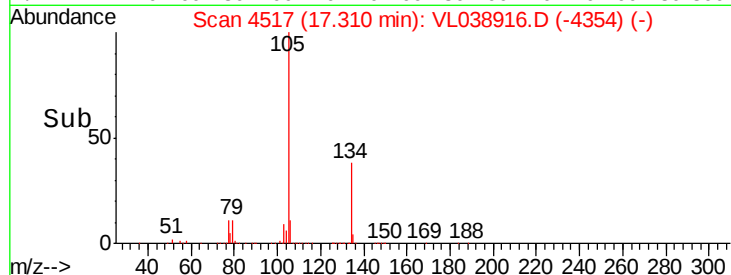
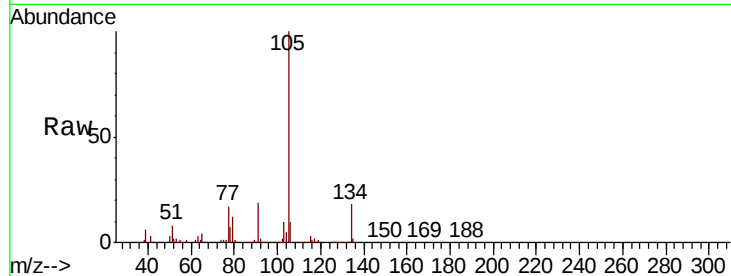
ClientSampleId:

Tot Ion: 105 Resp: 5496535

Ion Ratio Lower Upper

105 100

134 17.5 15.1 22.7



#68

1-Bromo-4-Fluorobenzene

Concen: 8.968 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.02 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

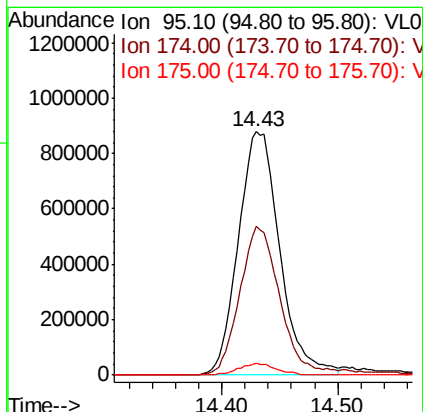
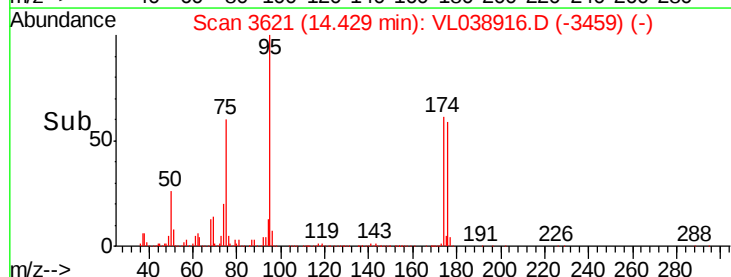
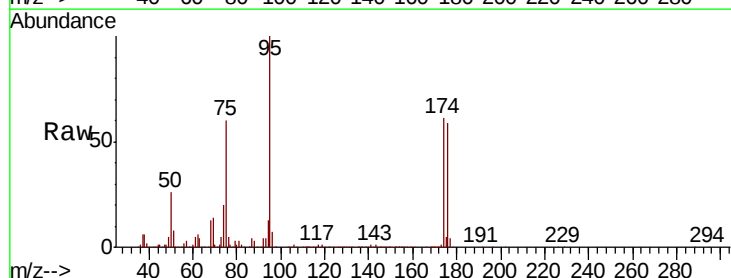
Tgt Ion: 95 Resp: 2185884

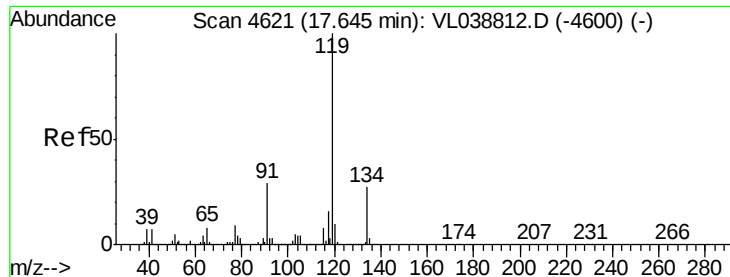
Ion Ratio Lower Upper

95 100

174 61.6 52.0 78.0

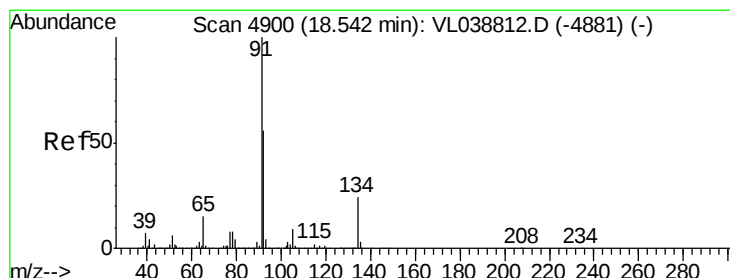
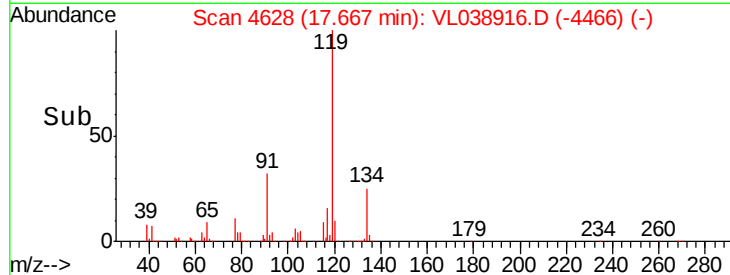
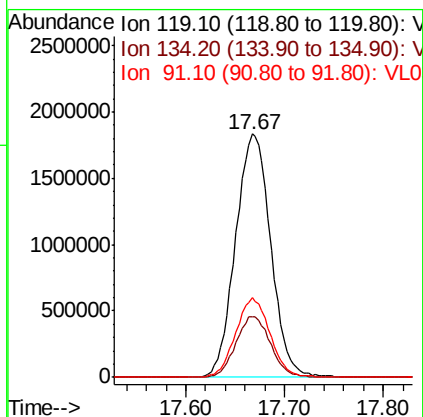
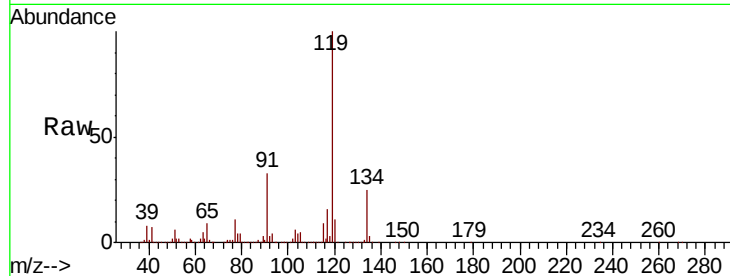
175 4.7 4.0 6.0





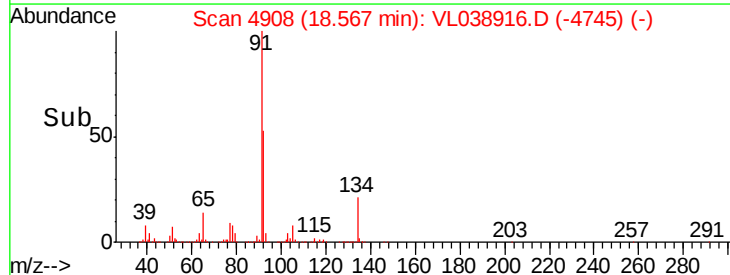
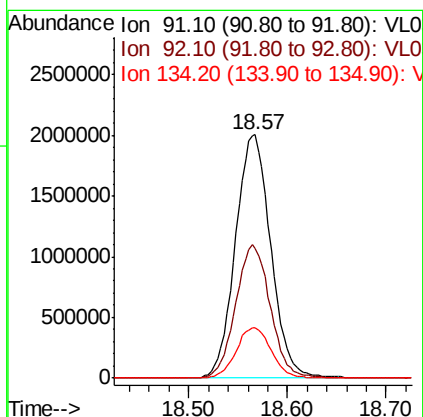
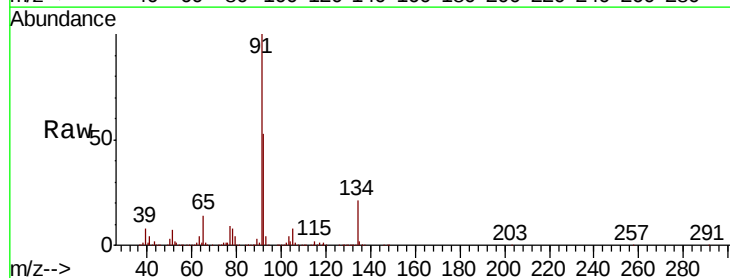
#69
 p-Isopropyltoluene
 Concen: 7.793 ppbv
 RT: 17.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 13:12

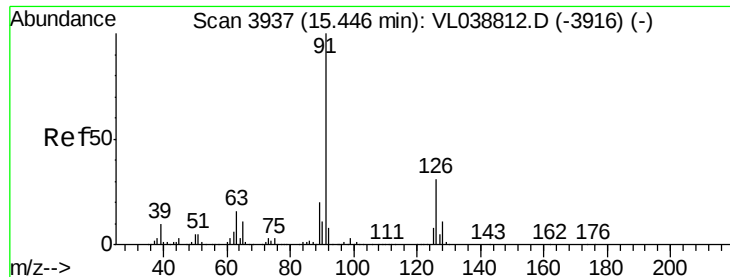
Tot Ion:119	Resp: 4513871
Ion Ratio	Lower Upper
119 100	
134 24.8	20.8 31.2
91 31.8	22.6 34.0



#70
 n-Butylbenzene
 Concen: 8.526 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T.: 0.03 min
 Lab File: VL038916.D
 Acq: 14 Apr 2022 13:12

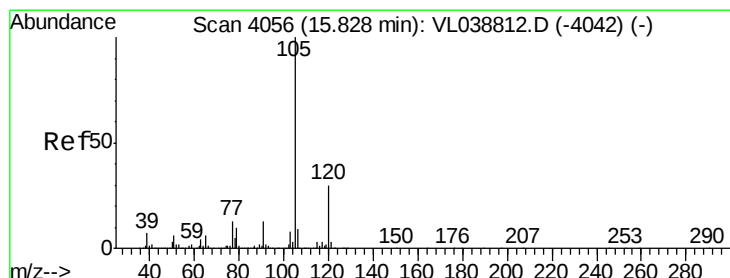
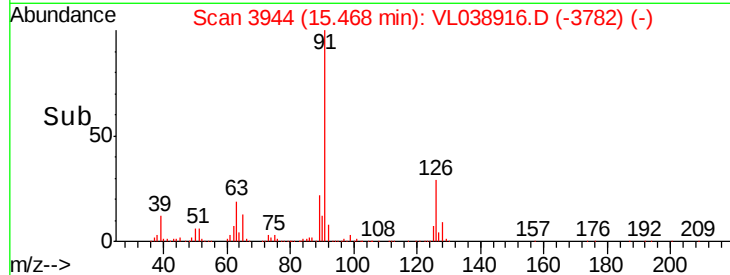
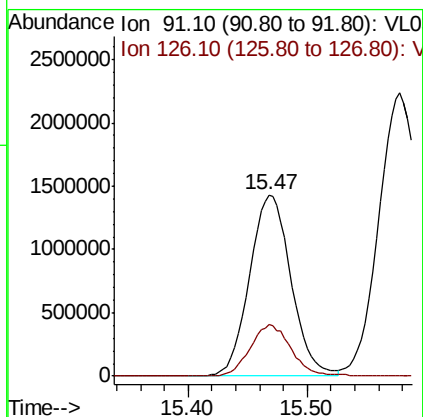
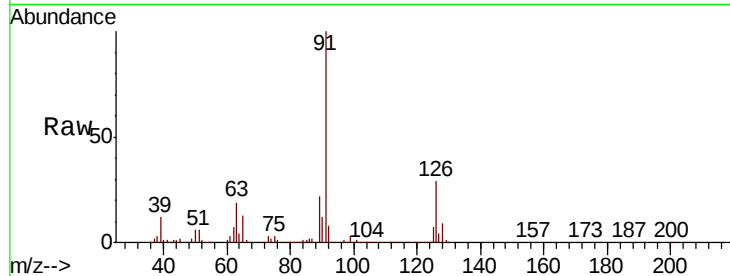
Tgt	Ion: 91	Resp: 4974578	
Ion	Ratio	Lower	Upper
91	100		
92	54.1	44.6	66.8
134	20.9	19.2	28.8





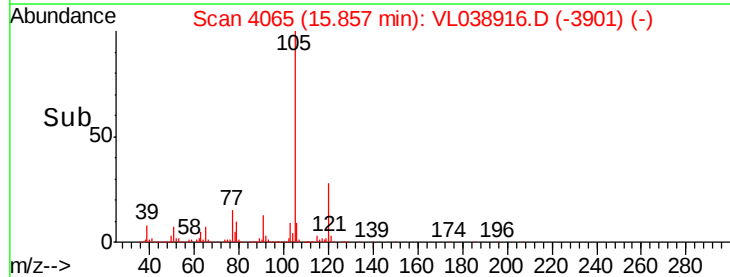
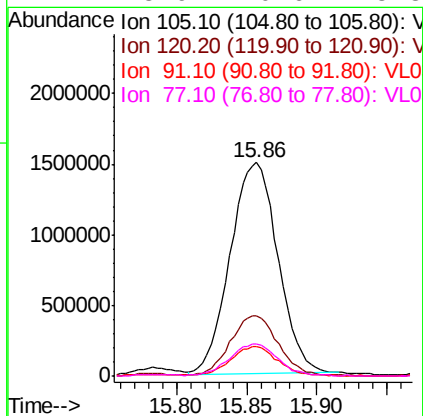
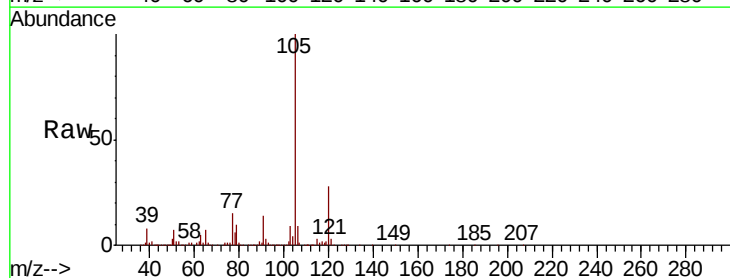
#71
 2-Chlorotoluene
 Concen: 8.100 ppbv
 RT: 15.47 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 13:12

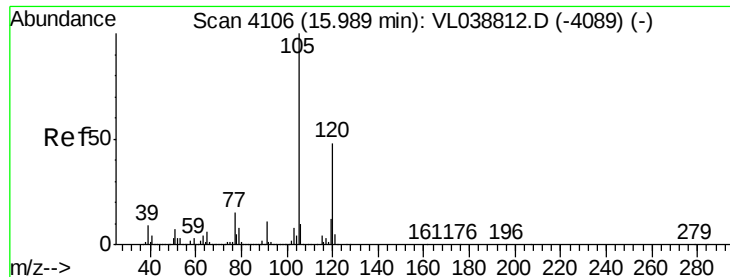
Tot Ion: 91 Resp: 3450943
 Ion Ratio Lower Upper
 91 100
 126 28.6 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 7.874 ppbv
 RT: 15.86 min Scan# 4065
 Delta R.T. 0.03 min
 Lab File: VL038916.D
 Acq: 14 Apr 2022 13:12

Tgt Ion:105 Resp: 3549122
 Ion Ratio Lower Upper
 105 100
 120 29.0 24.3 36.5
 91 13.6 9.4 14.2
 77 15.9 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 8.082 ppbv

RT: 16.01 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

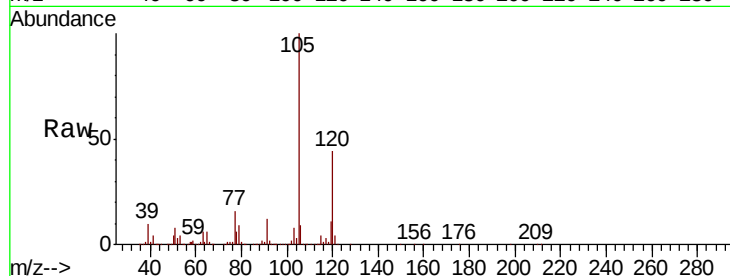
Acq: 14 Apr 2022 13:12

Tot Ion:105 Resp: 3272668

Ion Ratio Lower Upper

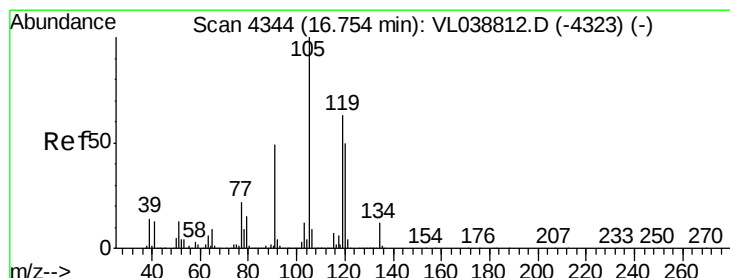
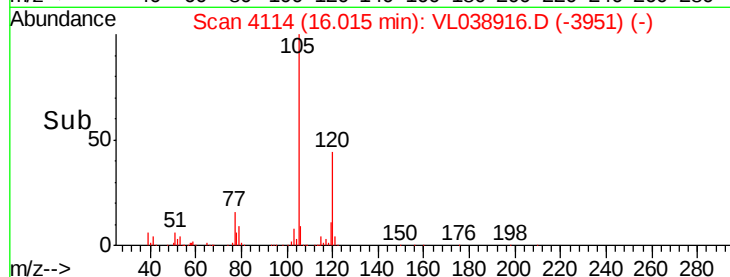
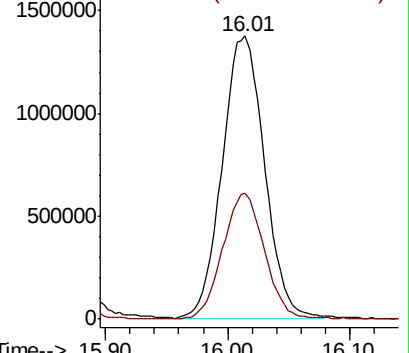
105 100

120 44.3 38.7 58.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.103 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.03 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

Tgt Ion:105 Resp: 3468422

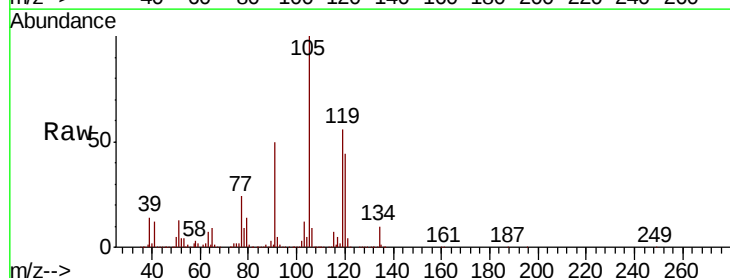
Ion Ratio Lower Upper

105 100

120 44.2 39.8 59.8

91 50.1 39.4 59.0

77 23.4 17.3 25.9

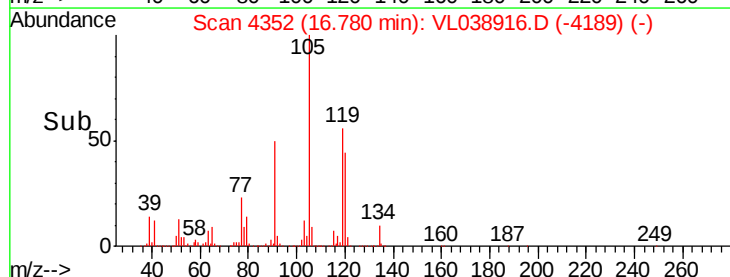
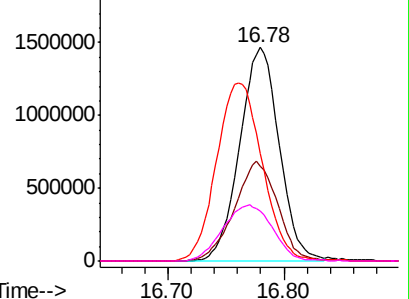


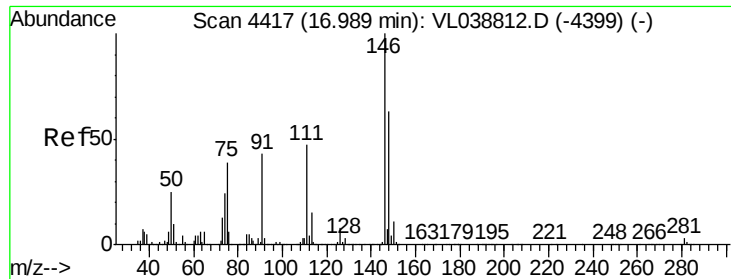
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.872 ppbv

RT: 17.01 min

Delta R.T. MSVOA_L

Lab File:

Acq: 14 Apr 2022 13:12

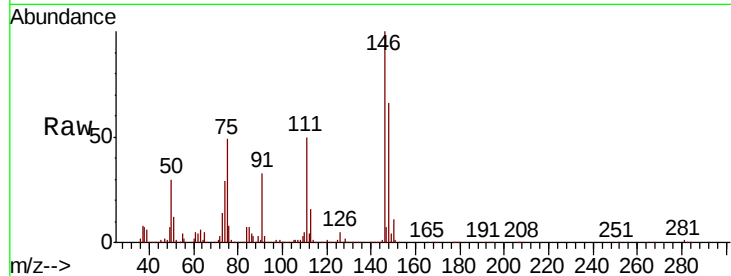
Tot Ion:146 Resp: 1956345

Ion Ratio Lower Upper

146 100

111 48.5 23.8 71.2

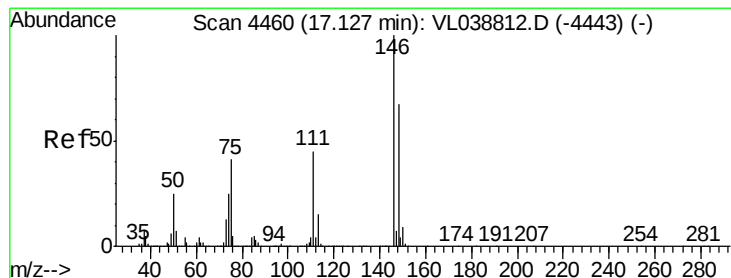
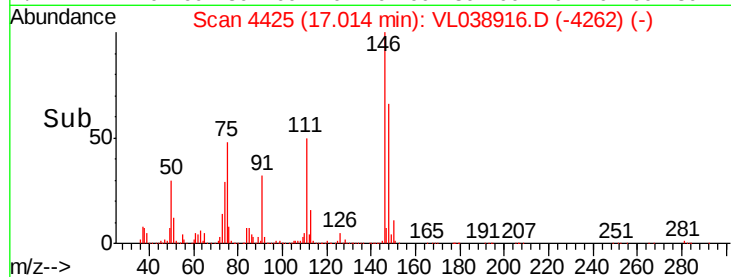
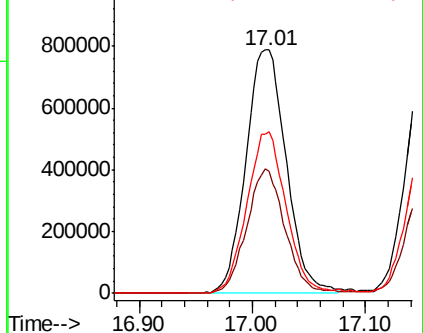
148 64.8 31.8 95.4



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



#76

1,4-Dichlorobenzene

Concen: 7.723 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. 0.03 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

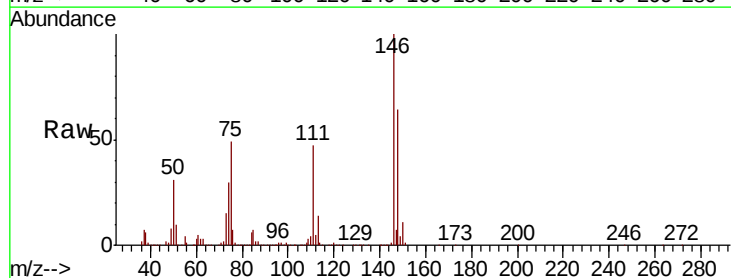
Tgt Ion:146 Resp: 1890591

Ion Ratio Lower Upper

146 100

111 48.0 23.6 70.8

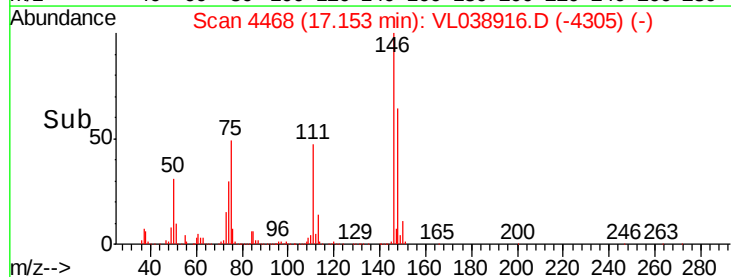
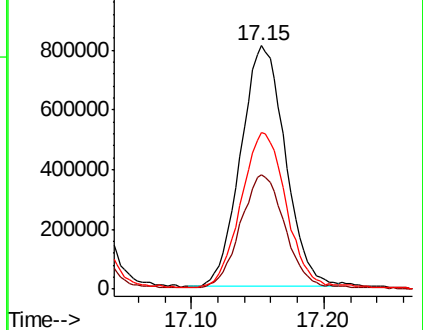
148 66.7 33.6 100.6

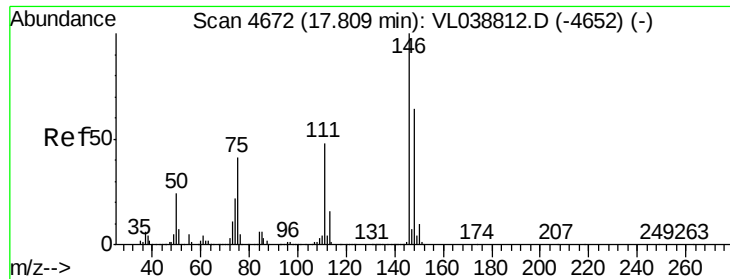


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.789 ppbv

RT: 17.83

Delta R.T. MSVOA_L

Lab File:

Acq: 14 Apr 2022 13:12

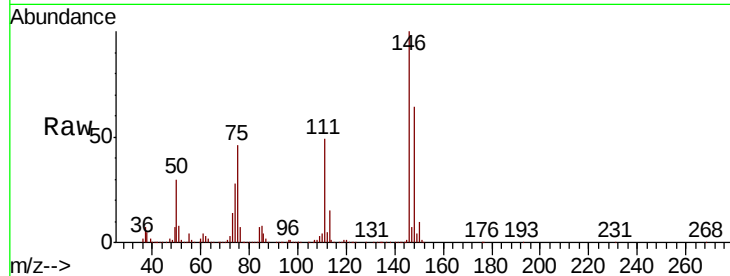
Tot Ion:146 Resp: 1908351

Ion Ratio Lower Upper

146 100

111 50.4 24.8 74.3

148 64.6 31.9 95.7

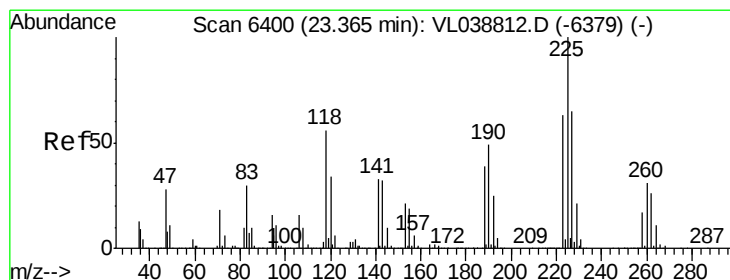
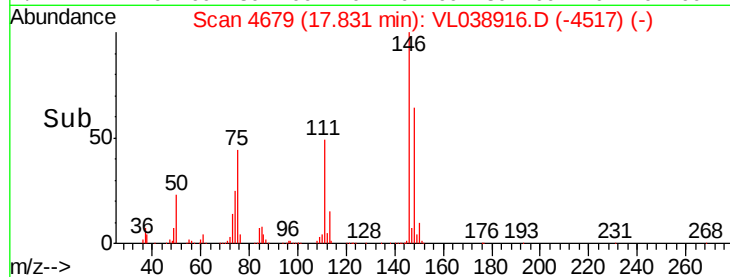
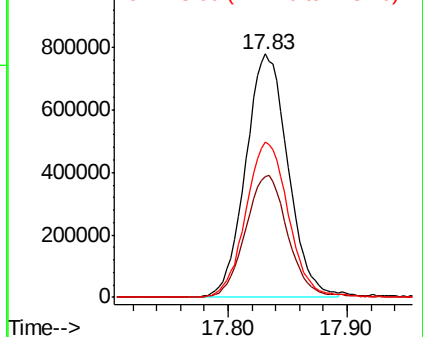


Abundance

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: 7.170 ppbv

RT: 23.39 min Scan# 6407

Delta R.T. 0.02 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

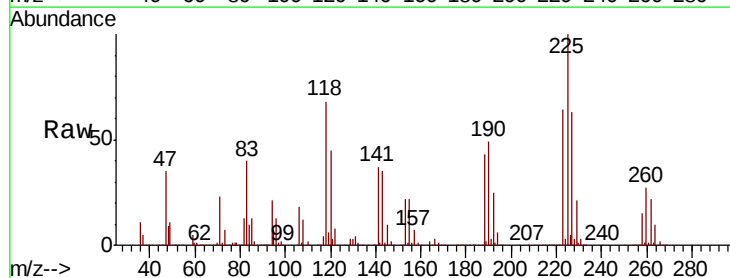
Tgt Ion:225 Resp: 1387849

Ion Ratio Lower Upper

225 100

223 63.0 51.6 77.4

227 63.3 52.3 78.5

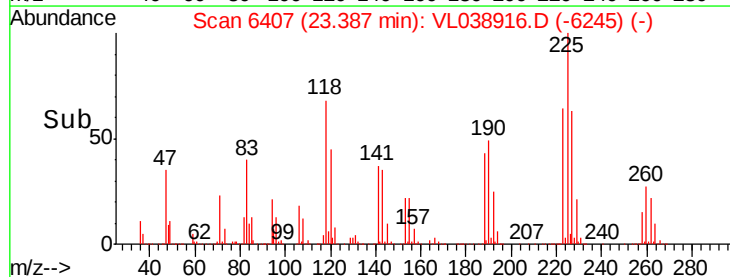
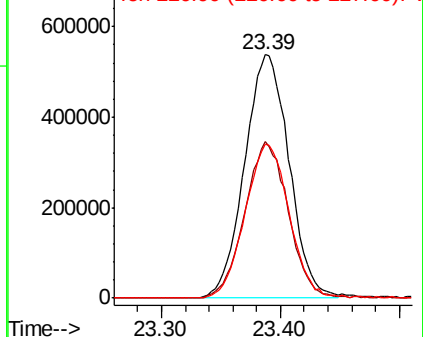


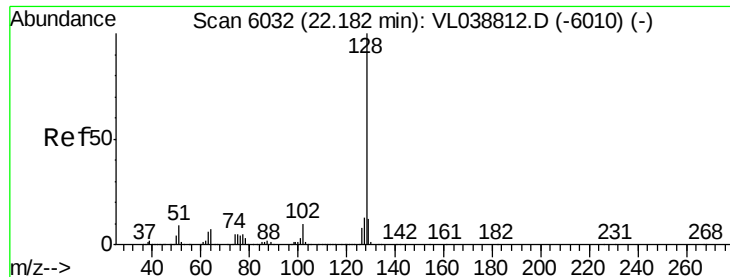
Abundance

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: 8.589 ppbv

RT: 22.21 min

Delta R.T. MSVOA_L

Lab File:

Acq: 14 Apr 2022 13:12

Instrument :
ClientSampleId :

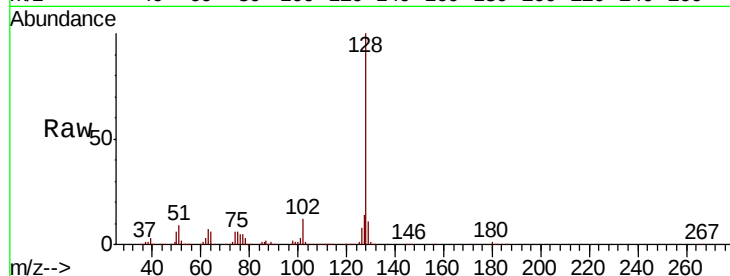
Tot Ion:128 Resp: 2750312

Ion Ratio Lower Upper

128 100

127 14.0 10.6 15.8

129 10.6 9.4 14.0

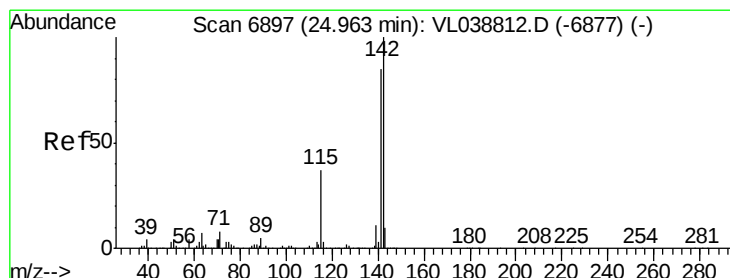
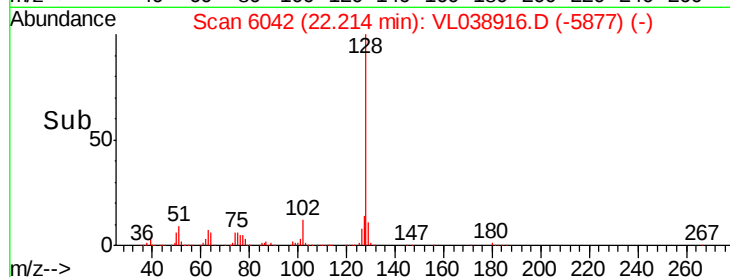
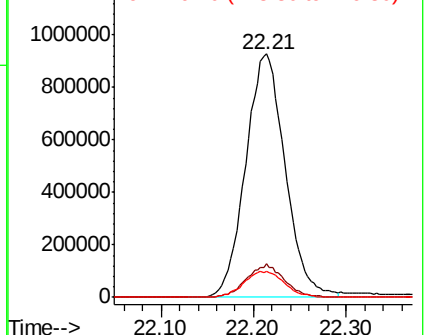


Abundance

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: 8.726 ppbv

RT: 24.98 min Scan# 6902

Delta R.T. 0.02 min

Lab File: VL038916.D

Acq: 14 Apr 2022 13:12

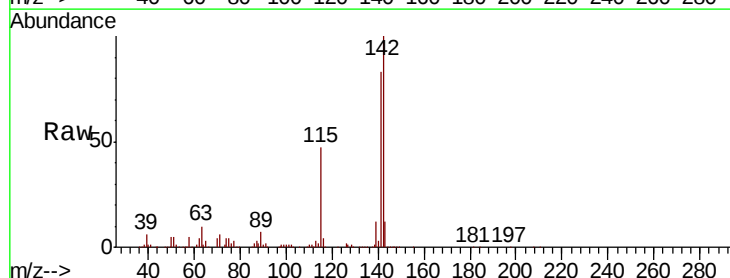
Tgt Ion:142 Resp: 688507

Ion Ratio Lower Upper

142 100

141 84.5 68.8 103.2

115 45.1 31.6 47.4

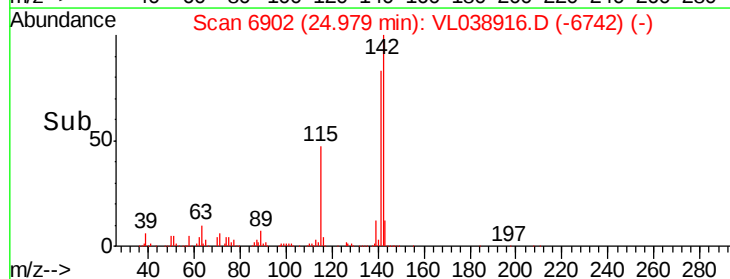
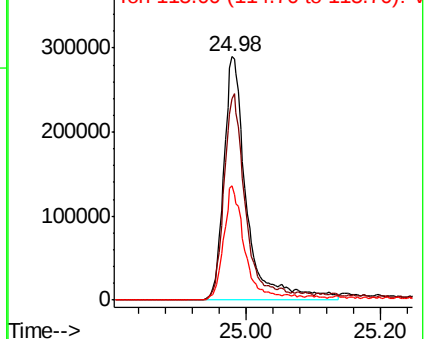


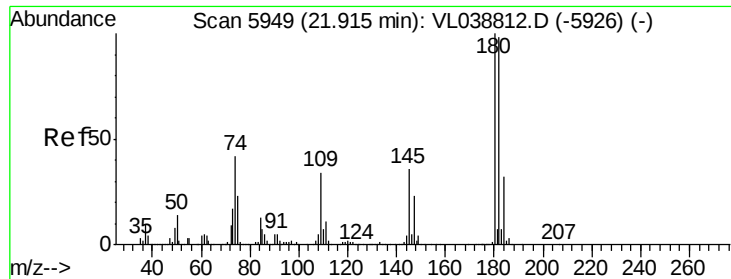
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

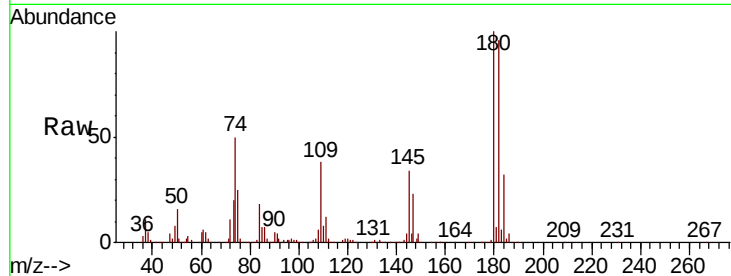
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.226 ppbv
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 15.12

Tot Ion:180 Resp: 1541479
 Ion Ratio Lower Upper
 180 100
 182 98.1 79.4 119.0
 184 30.6 25.0 37.6



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

