

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032822\
 Data File : VL038767.D
 Acq On : 28 Mar 2022 9:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 05 05:58:14 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	911350	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2473776	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2813498	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1808211	8.38	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	970317	7.920	ppbv 100
3) Chlorodifluoromethane	3.00	51	827758	8.600	ppbv 96
4) Chloromethane	3.15	50	465857	8.815	ppbv 99
5) Vinyl Chloride	3.27	62	497378	9.263	ppbv 98
6) Bromomethane	3.48	94	299384	10.459	ppbv 98
7) Chloroethane	3.57	64	178171	10.023	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	1196244	9.780	ppbv 99
9) Propene	3.02	41	351723	7.569	ppbv 99
10) Heptane	8.12	43	971042	8.742	ppbv 97
11) Trichlorofluoromethane	3.96	101	1232064	11.394	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	960318	11.537	ppbv 99
13) Ethanol	3.61	45	32676	6.374	ppbv 90
14) Bromoethene	3.75	108	404803	10.943	ppbv 97
15) Acetone	3.85	43	813255	10.342	ppbv 100
16) 1,3-Butadiene	3.34	39	430608	9.649	ppbv 97
17) tert-Butyl alcohol	4.29	59	841157	12.248	ppbv 99
18) 1,1-Dichloroethene	4.29	96	431544	11.541	ppbv 96
19) Isopropyl Alcohol	3.97	45	465799	10.684	ppbv 99
20) Methylene Chloride	4.35	84	362151	10.934	ppbv 98
21) Allyl Chloride	4.42	41	638223	11.277	ppbv 97
22) trans-1,2-Dichloroethene	4.89	96	461783	11.906	ppbv 97
23) Vinyl Acetate	5.08	43	954942	12.541	ppbv 99
24) 1,1-Dichloroethane	5.02	63	852776	11.371	ppbv 99
25) Ethyl Acetate	5.68	43	1781399	8.999	ppbv 99
26) Hexane	5.69	57	795427	8.975	ppbv 98
27) Carbon Disulfide	4.56	76	1118522	12.865	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	786494	11.913	ppbv 98
29) Chloroform	5.76	83	1339924	9.442	ppbv 99
30) Cyclohexane	7.13	84	686809	8.913	ppbv 96
31) cis-1,2-Dichloroethene	5.55	61	651776	7.821	ppbv 95
32) 1,1,1-Trichloroethane	6.52	97	1320058	9.640	ppbv 99
34) 2-Butanone	5.25	43	968055	9.887	ppbv 97
35) Carbon Tetrachloride	7.02	117	1401594	9.765	ppbv 98
36) Benzene	6.90	78	1674543	8.771	ppbv 99
37) 1,2-Dichloroethane	6.31	62	902401	9.292	ppbv 99
38) Trichloroethene	7.84	130	756690	9.461	ppbv 99
39) 1,2-Dichloropropane	7.62	63	639037	8.562	ppbv 98
40) 1,4-Dioxane	7.83	88	229140	8.840	ppbv # 1
41) Tetrahydrofuran	6.05	42	593349	8.142	ppbv 93
42) Bromodichloromethane	7.80	83	1412409	9.700	ppbv 97
43) Methyl Methacrylate	8.02	69	684184	9.652	ppbv 93

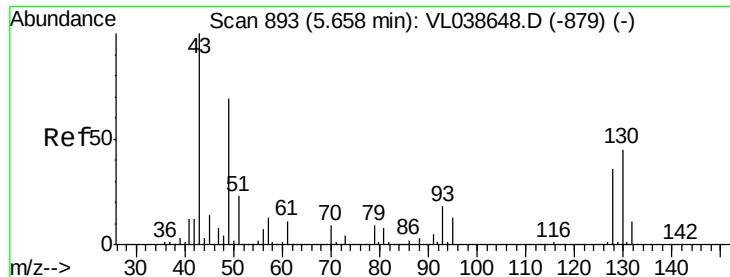
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032822\
 Data File : VL038767.D
 Acq On : 28 Mar 2022 9:25
 Operator : SY/AP
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 VSTDCCC010

Quant Time: Apr 05 05:58:14 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	2751252	8.583	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	784159	10.880	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	991436	10.173	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	694078	8.710	ppbv	97
48) Dibromochloromethane	10.30	129	1250854	10.021	ppbv	99
49) Bromoform	13.04	173	1019326	10.020	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1615850	8.877	ppbv	99
51) 2-Hexanone	10.13	43	1231142	9.416	ppbv #	98
52) Tetrachloroethene	11.22	164	618143	8.847	ppbv	96
53) Toluene	9.81	91	1940280	9.458	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1015416	9.332	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	877752	7.525	ppbv #	58
57) Chlorobenzene	12.15	112	1457145	7.181	ppbv	98
58) Ethyl Benzene	12.71	91	2488616	7.566	ppbv	100
59) m/p-Xylene	13.00	91	2499349	8.687	ppbv #	51
60) o-Xylene	13.69	91	2058072	7.534	ppbv	99
61) Styrene	13.53	104	1203076	8.121	ppbv	99
62) Isopropylbenzene	14.67	105	2963671	7.216	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1347615	6.368	ppbv	100
64) n-propylbenzene	15.56	120	786958	7.303	ppbv	96
65) tert-Butylbenzene	16.74	119	2680240	7.263	ppbv	98
66) Benzyl Chloride	16.99	91	665905	9.530	ppbv	99
67) sec-Butylbenzene	17.29	105	3802596	7.205	ppbv	100
69) p-Isopropyltoluene	17.65	119	3174941	7.371	ppbv	99
70) n-Butylbenzene	18.55	91	3325897	7.486	ppbv	100
71) 2-Chlorotoluene	15.46	91	2183663	7.164	ppbv	99
72) 4-Ethyltoluene	15.84	105	2440895	7.569	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	2129710	7.247	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	2348999	7.339	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	1435658	7.042	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	1391121	6.861	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	1431453	7.088	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1307127	7.003	ppbv	100
79) Naphthalene	22.20	128	2304439	9.424	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	437760	6.676	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	1356595	8.104	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 28 Mar 2022 9:25

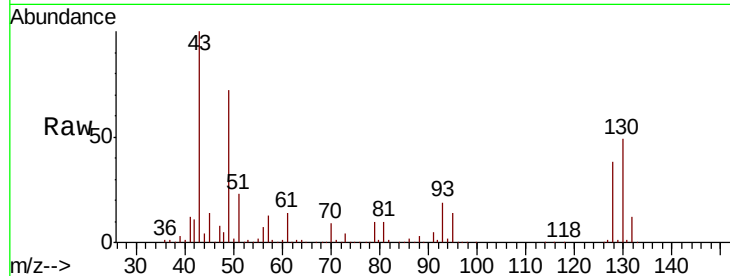
Tot Ion: 49 Resp: 911350

Ion Ratio Lower Upper

49 100

128 54.3 26.2 78.6

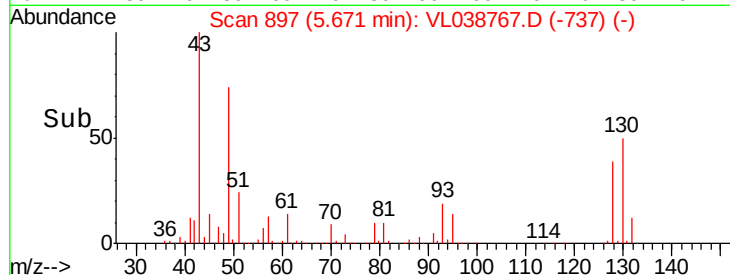
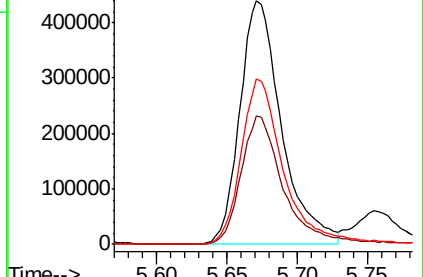
130 70.1 33.7 101.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.920 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL038767.D

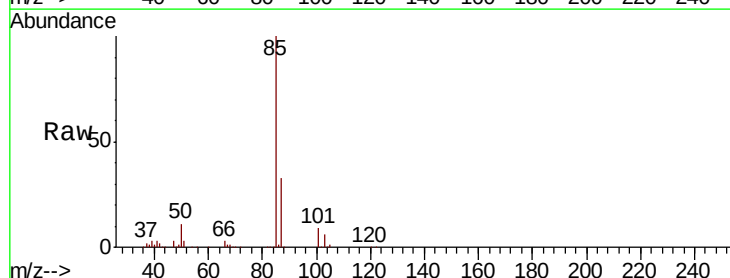
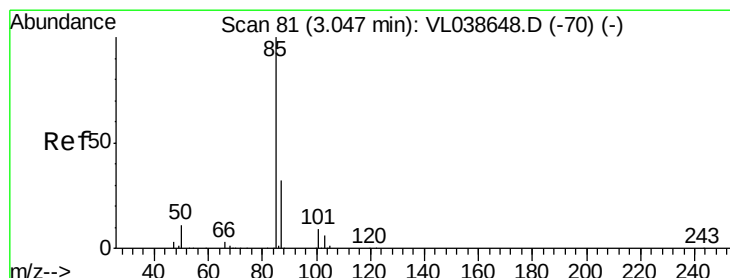
Acq: 28 Mar 2022 9:25

Tgt Ion: 85 Resp: 970317

Ion Ratio Lower Upper

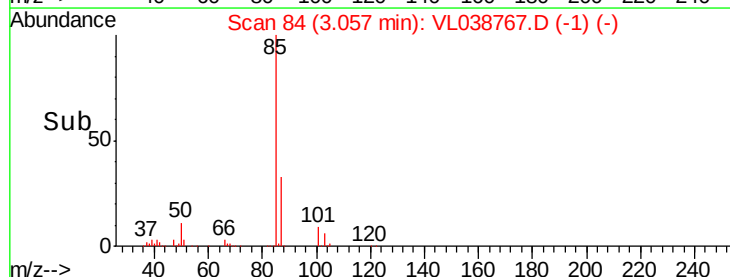
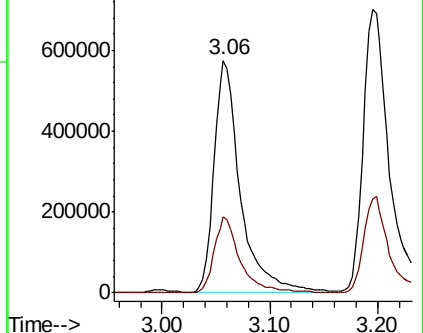
85 100

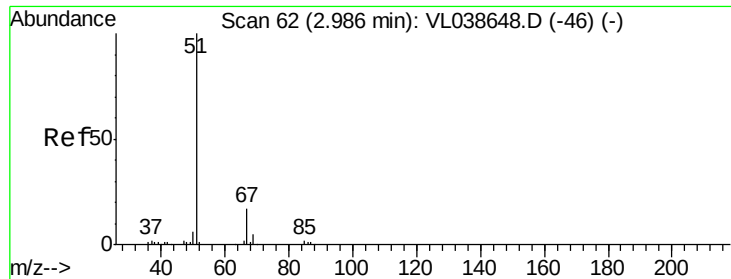
87 32.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

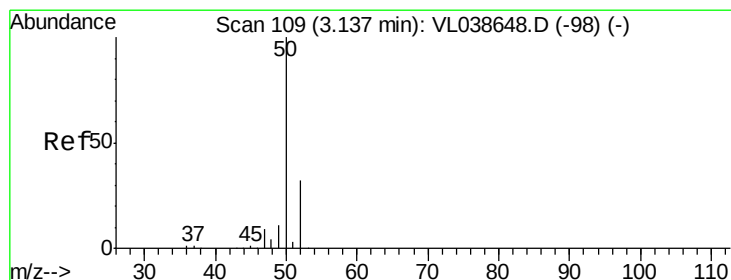
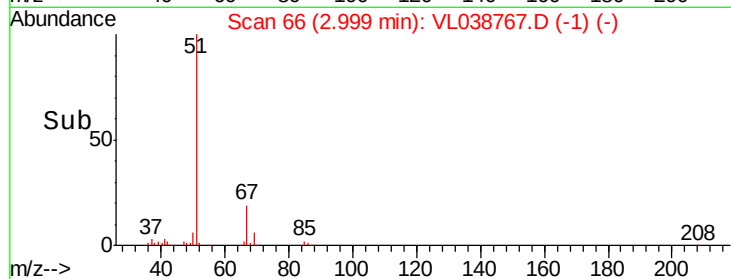
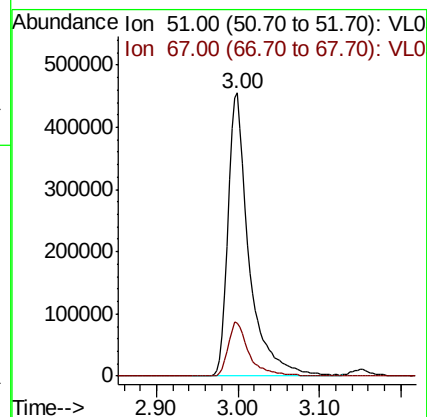
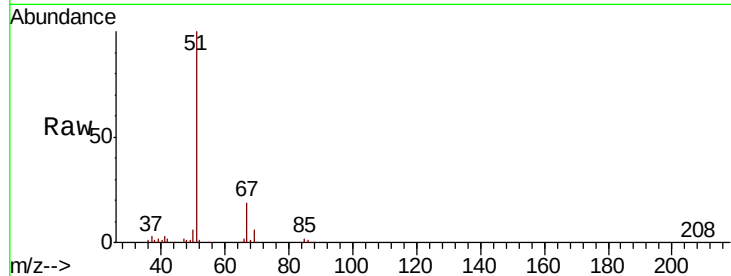
Ion 87.00 (86.70 to 87.70): VL0





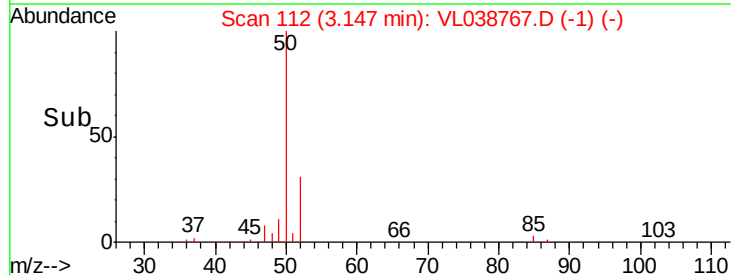
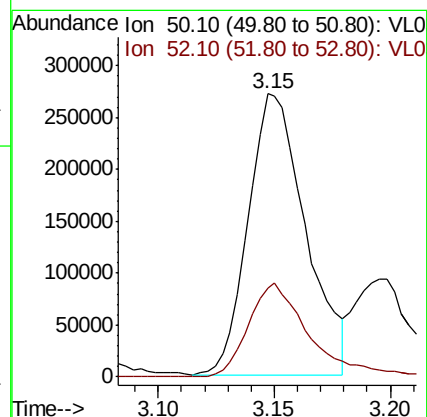
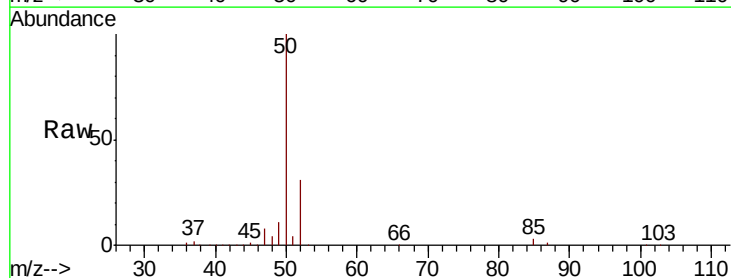
#3
 Chlorodifluoromethane
 Concen: 8.600 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 28 Mar 2022 9:25

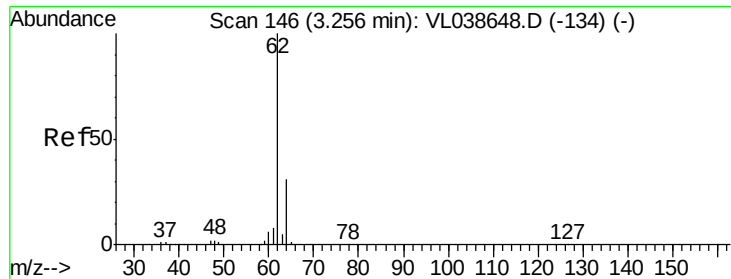
Tot Ion: 51 Resp: 827758
 Ion Ratio Lower Upper
 51 100
 67 19.2 14.1 21.1



#4
 Chloromethane
 Concen: 8.815 ppbv
 RT: 3.15 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

Tgt Ion: 50 Resp: 465857
 Ion Ratio Lower Upper
 50 100
 52 31.5 25.5 38.3





#5

Vinyl Chloride

Concen: 9.263 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

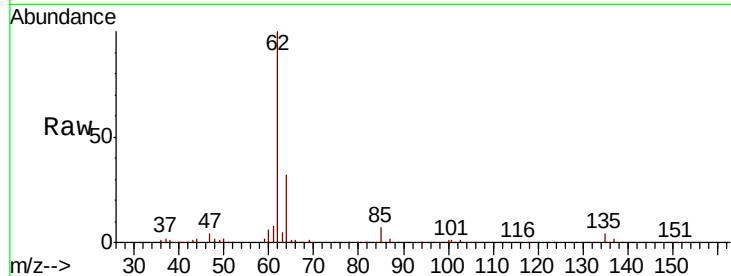
Acq: 28 Mar 2022 9:25

Tot Ion: 62 Resp: 497378

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

250000

200000

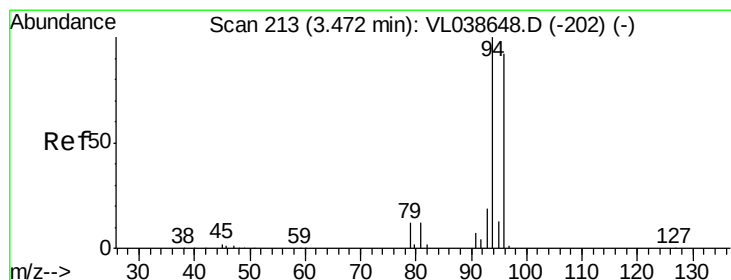
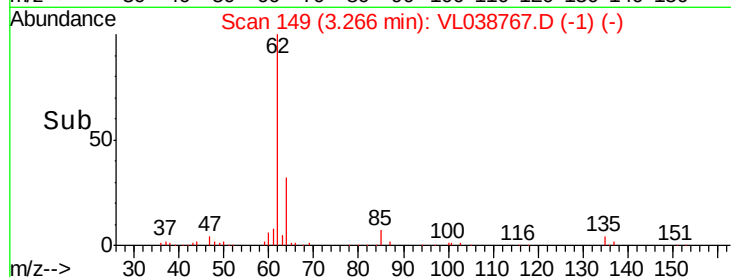
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 10.459 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL038767.D

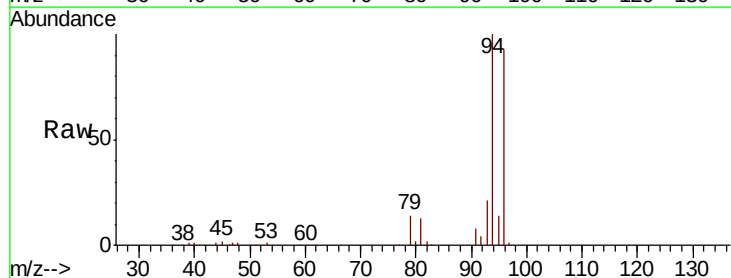
Acq: 28 Mar 2022 9:25

Tgt Ion: 94 Resp: 299384

Ion Ratio Lower Upper

94 100

96 93.3 73.3 109.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

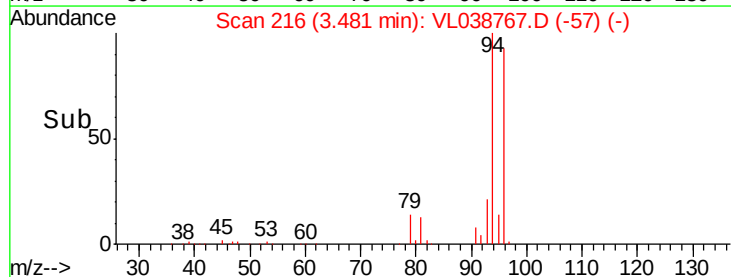
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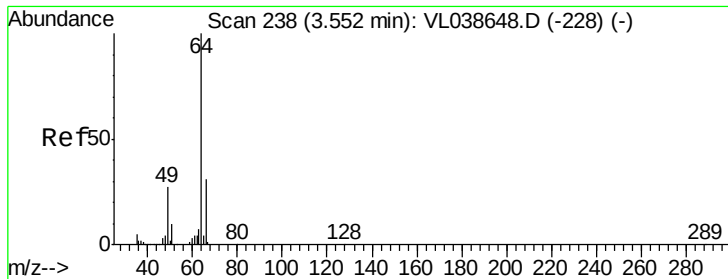
100000

50000

0

Time-->





#7

Chloroethane

Concen: 10.023 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

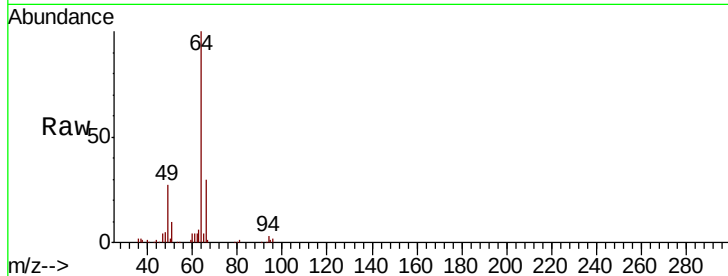
Acq: 28 Mar 2022 9:25 VSTDCCC010

Tot Ion: 64 Resp: 178171

Ion Ratio Lower Upper

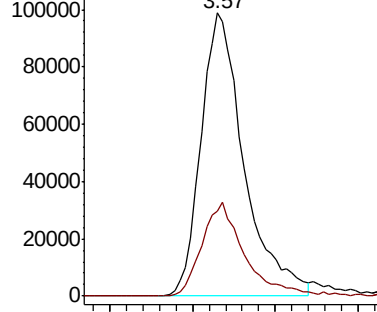
64 100

66 30.0 25.0 37.6

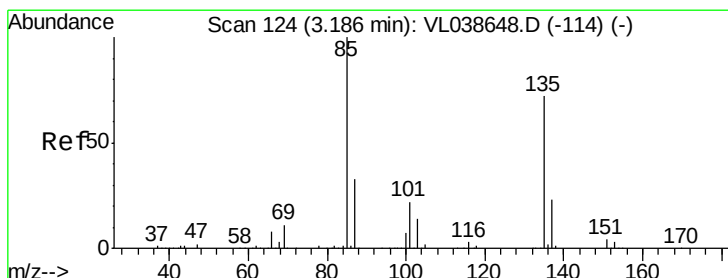
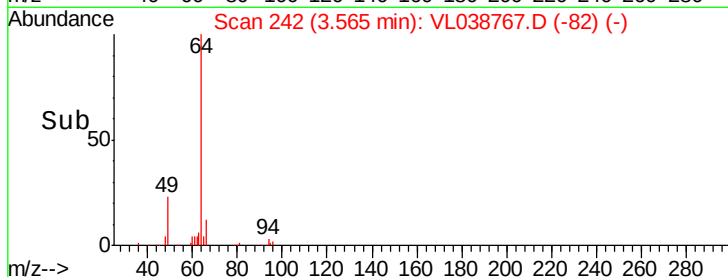


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time--> 3.50 3.55 3.60 3.65



#8

Dichlorotetrafluoroethane

Concen: 9.780 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL038767.D

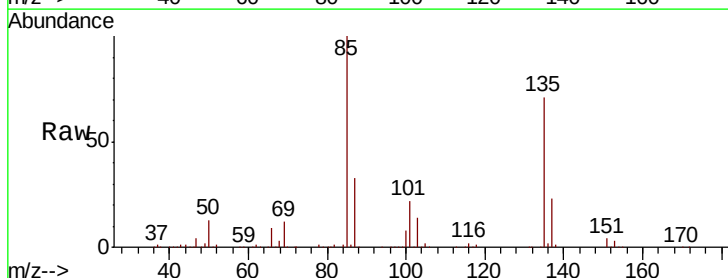
Acq: 28 Mar 2022 9:25

Tgt Ion: 85 Resp: 1196244

Ion Ratio Lower Upper

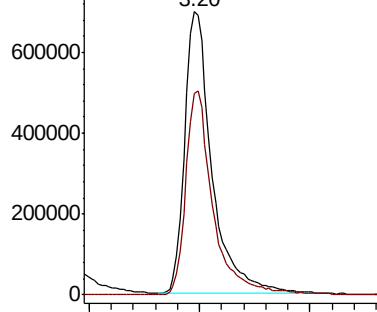
85 100

135 73.0 57.8 86.6

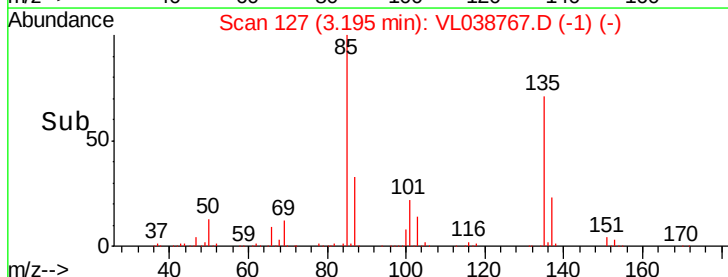


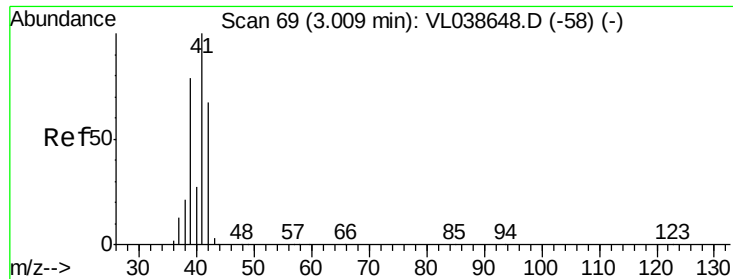
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time--> 3.10 3.20 3.30





#9

Propene

Concen: 7.569 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

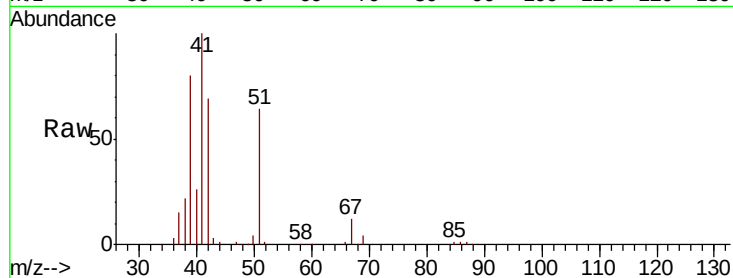
Acq: 28 Mar 2022 9:25

Tot Ion: 41 Resp: 351723

Ion Ratio Lower Upper

41 100

42 71.4 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.02

200000

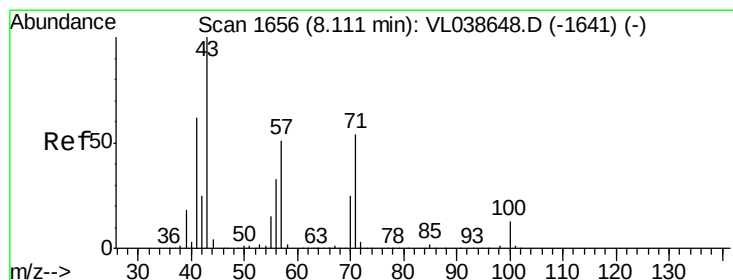
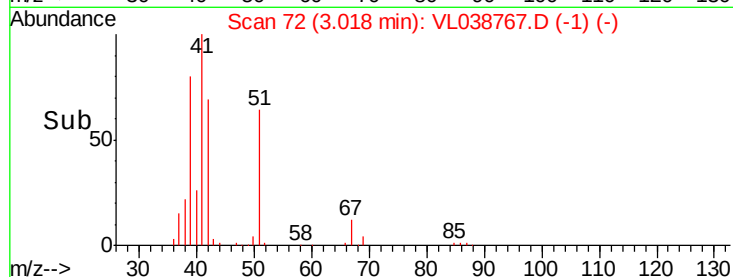
150000

100000

50000

0

Time-->



#10

Heptane

Concen: 8.742 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VL038767.D

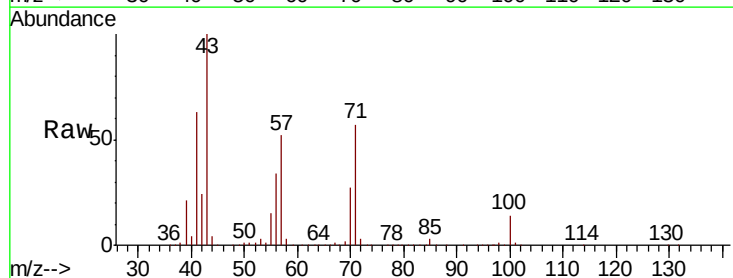
Acq: 28 Mar 2022 9:25

Tgt Ion: 43 Resp: 971042

Ion Ratio Lower Upper

43 100

57 54.2 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

500000

400000

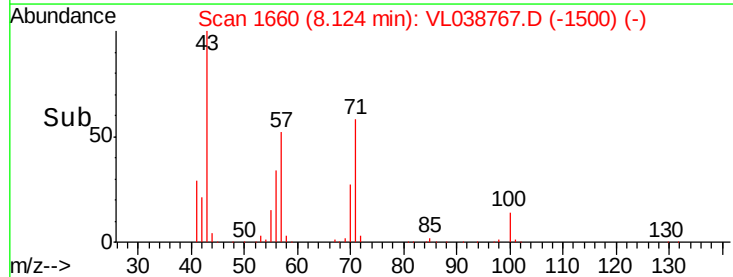
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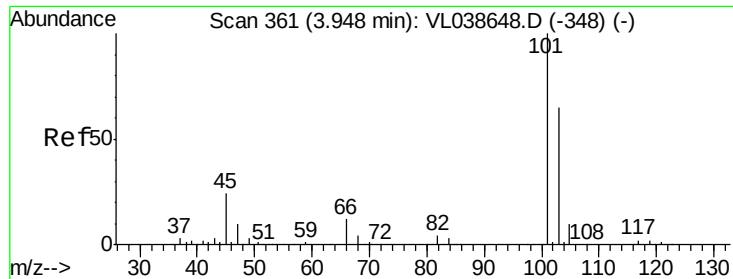
200000

100000

0

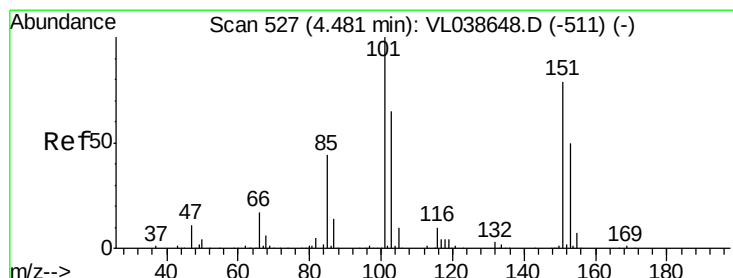
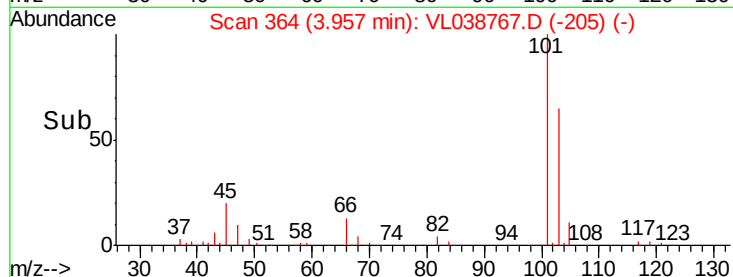
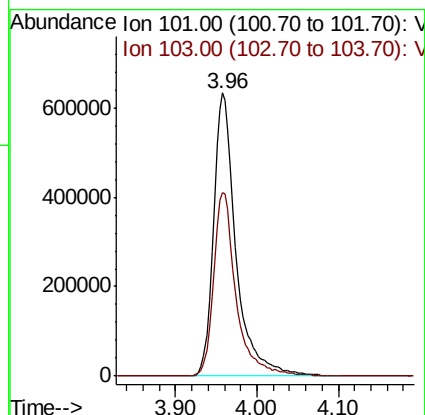
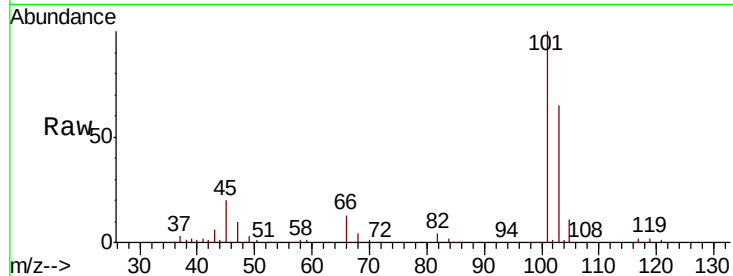
Time-->





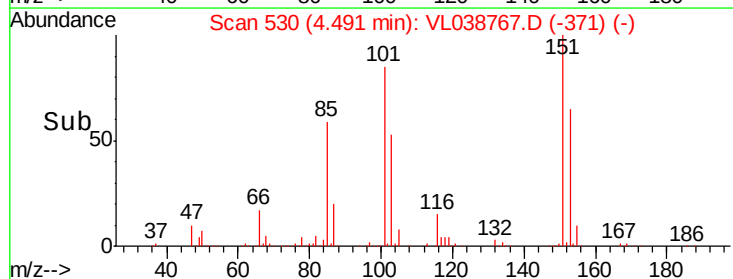
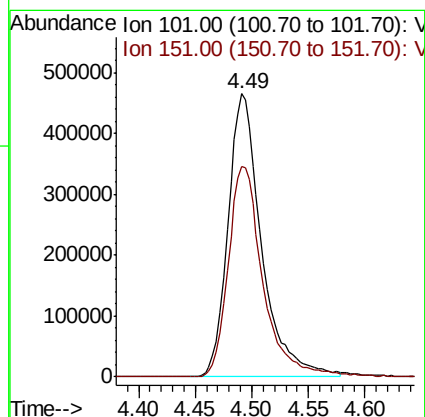
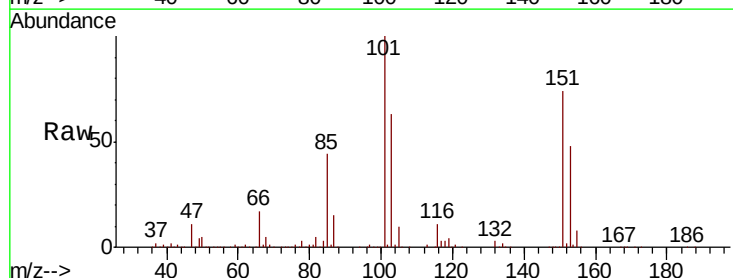
#11
 Trichlorofluoromethane
 Concen: 11.394 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 28 Mar 2022 9:25

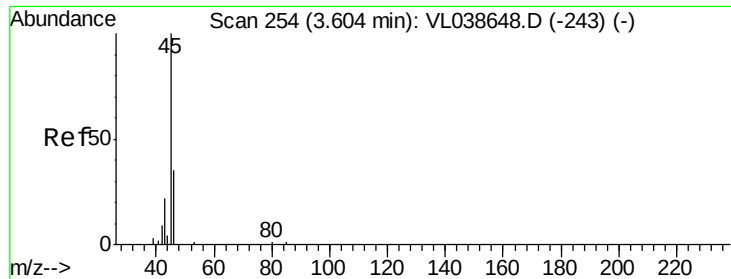
Tot Ion:101 Resp: 1232064
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.537 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T.: 0.01 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

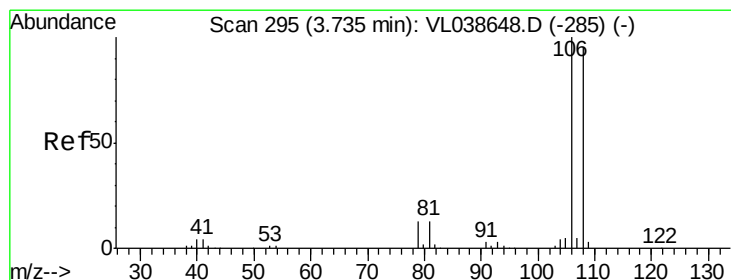
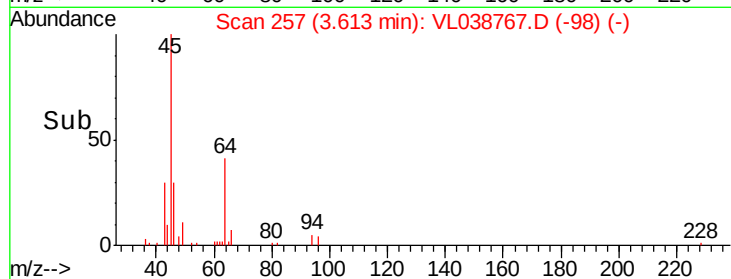
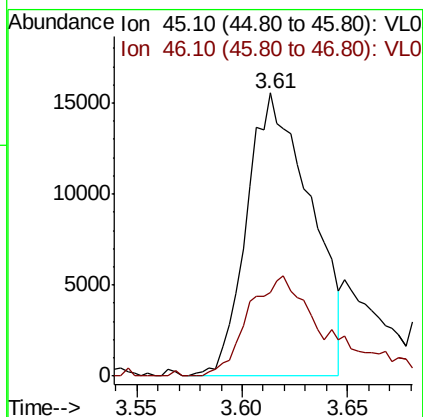
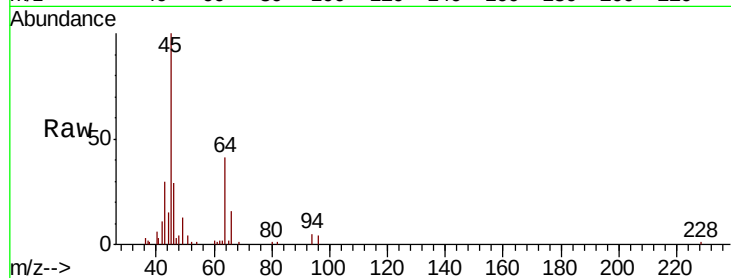
Tgt Ion:101 Resp: 960318
 Ion Ratio Lower Upper
 101 100
 151 77.3 62.9 94.3





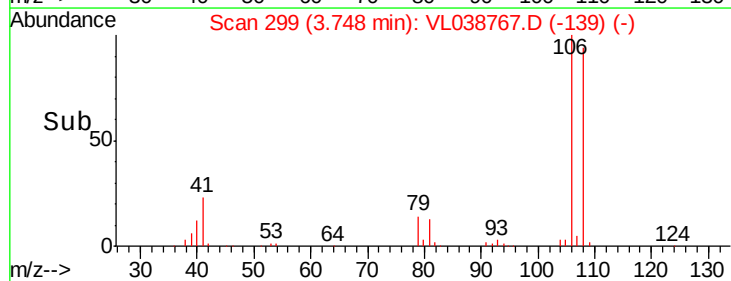
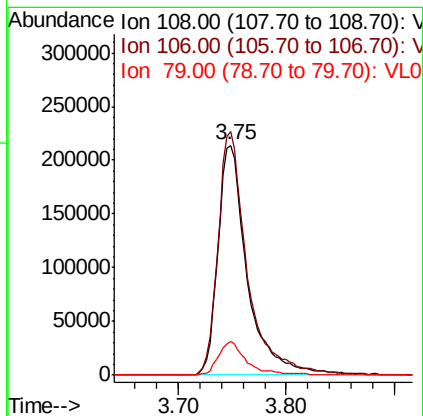
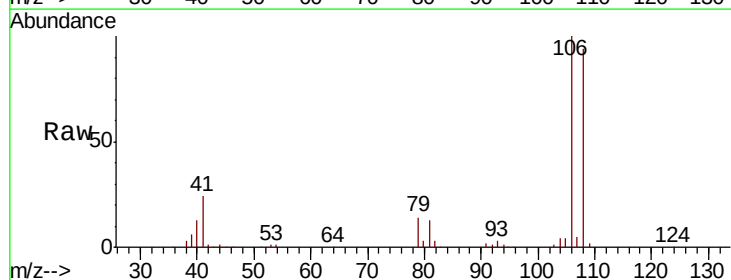
#13
 Ethanol
 Concen: 6.374 ppbv
 RT: 3.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 28 Mar 2022 9:25

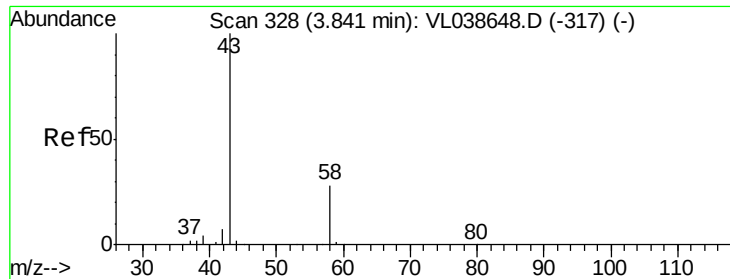
Tot Ion: 45 Resp: 32676
 Ion Ratio Lower Upper
 45 100
 46 43.6 15.1 60.5



#14
 Bromoethene
 Concen: 10.943 ppbv
 RT: 3.75 min Scan# 299
 Delta R.T. 0.01 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

Tgt Ion: 108 Resp: 404803
 Ion Ratio Lower Upper
 108 100
 106 106.4 88.3 132.5
 79 14.6 11.2 16.8





#15

Acetone

Concen: 10.342 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

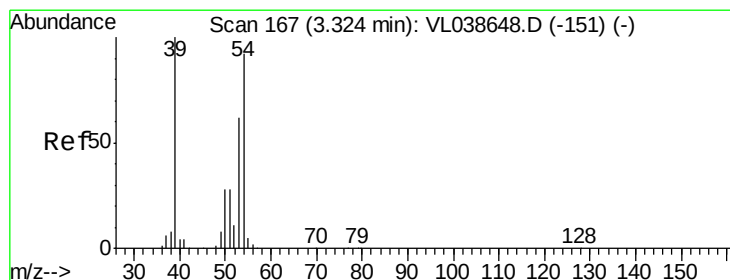
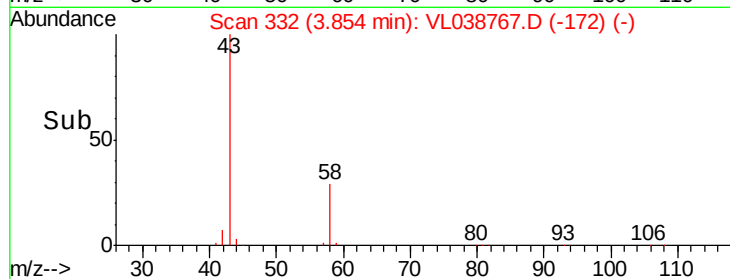
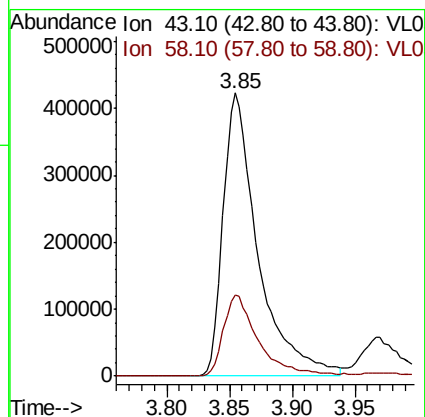
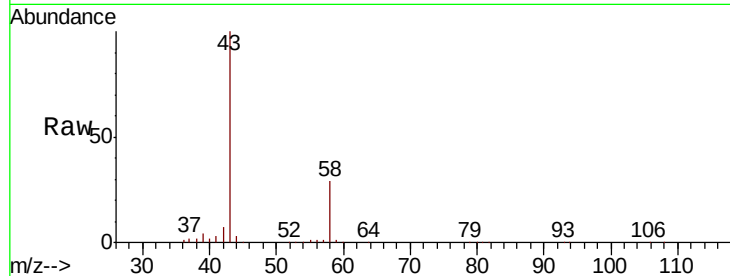
Acq: 28 Mar 2022 9:25 VSTDCCC010

Tot Ion: 43 Resp: 813255

Ion Ratio Lower Upper

43 100

58 29.0 23.3 34.9



#16

1,3-Butadiene

Concen: 9.649 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL038767.D

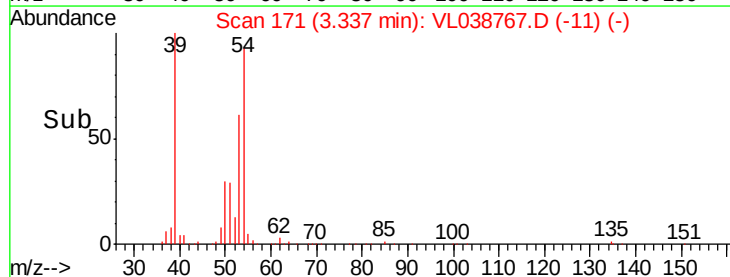
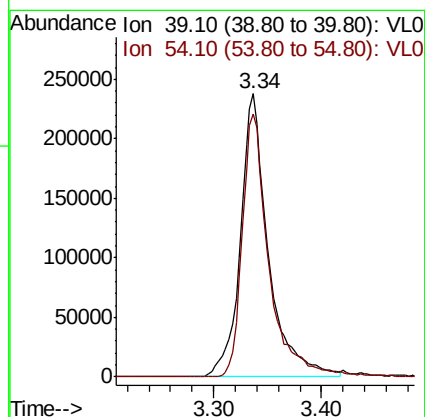
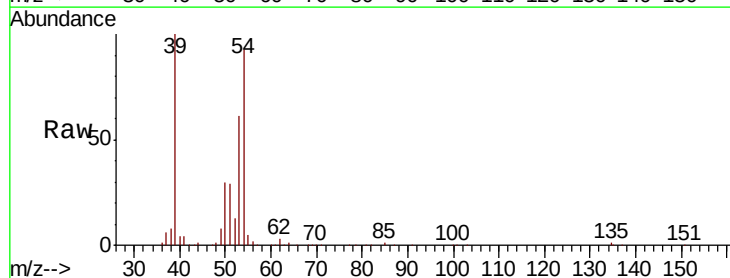
Acq: 28 Mar 2022 9:25

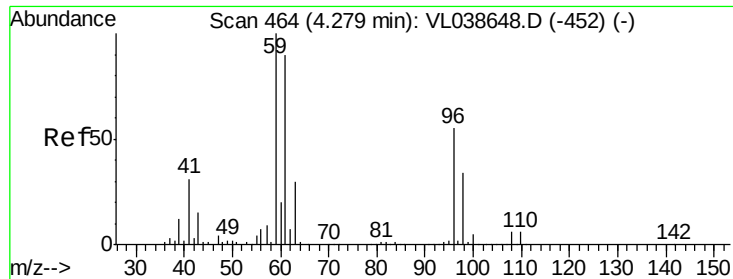
Tgt Ion: 39 Resp: 430608

Ion Ratio Lower Upper

39 100

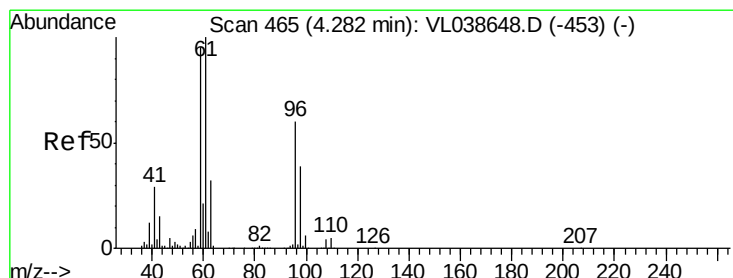
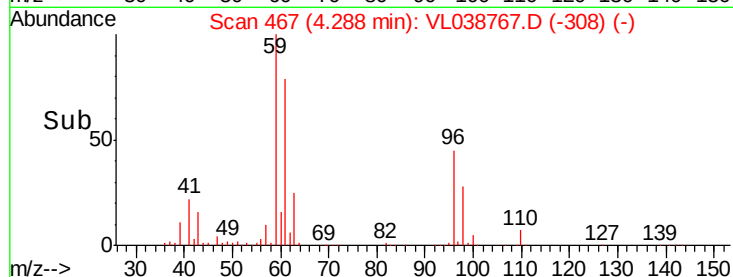
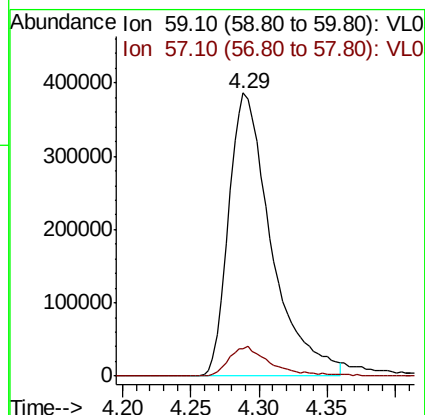
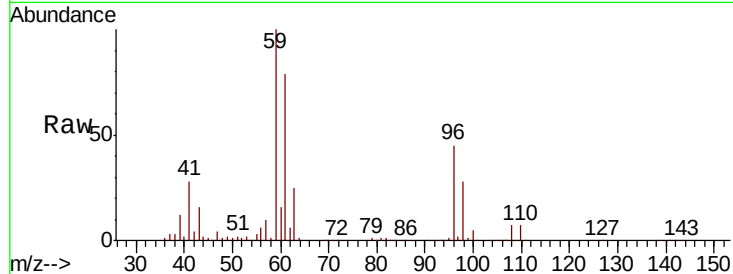
54 88.8 69.1 103.7





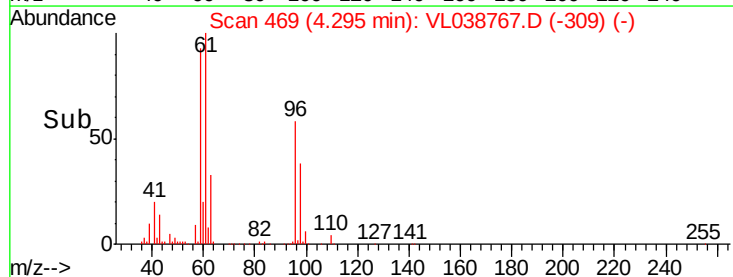
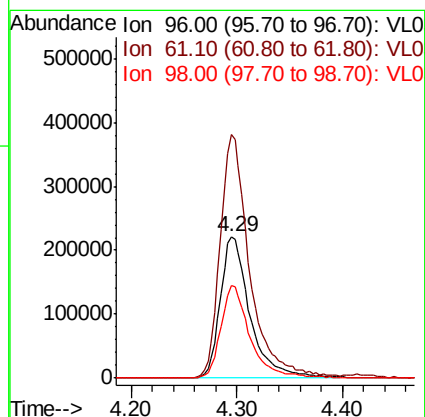
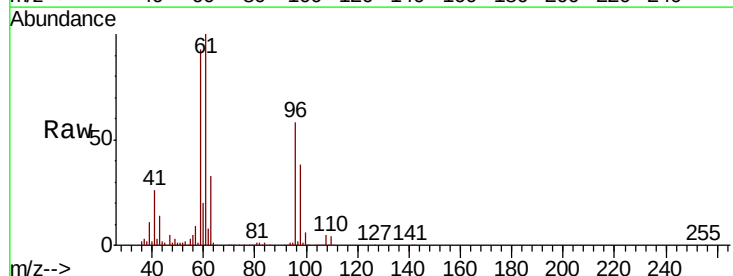
#17
tert-Butyl alcohol
Concen: 12.248 ppbv
RT: 4.29
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Mar 2022 9:25

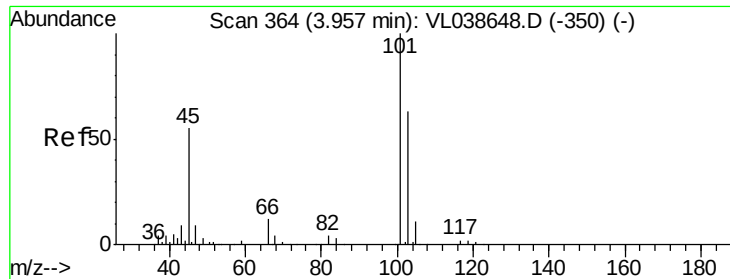
Tot Ion: 59 Resp: 841157
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2



#18
1,1-Dichloroethene
Concen: 11.541 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL038767.D
Acq: 28 Mar 2022 9:25

Tgt Ion: 96 Resp: 431544
Ion Ratio Lower Upper
96 100
61 171.8 132.4 198.6
98 65.6 51.6 77.4





#19

Isopropyl Alcohol

Concen: 10.684 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

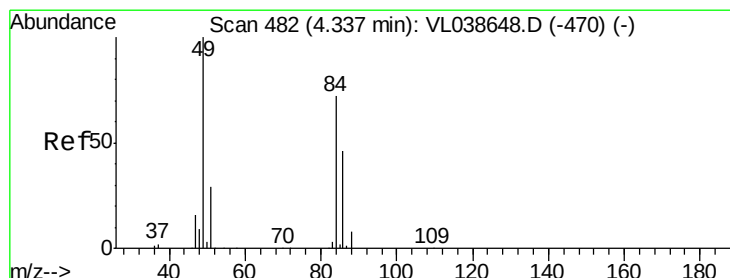
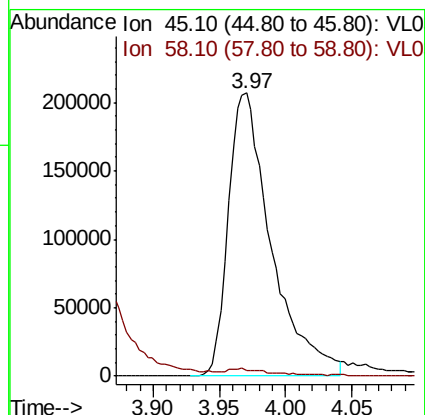
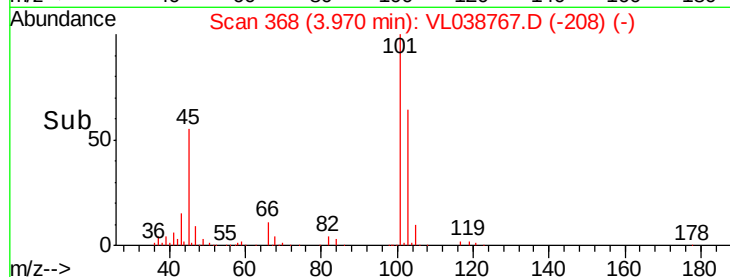
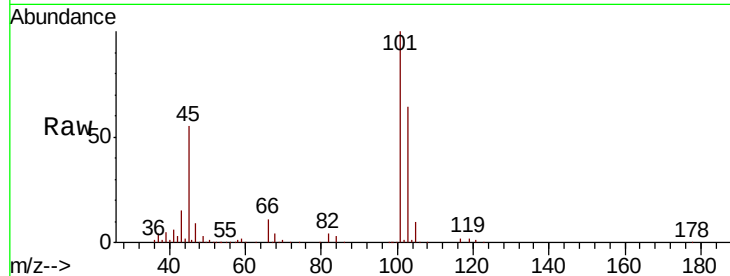
Acq: 28 Mar 2022 9:25

Tot Ion: 45 Resp: 465799

Ion Ratio Lower Upper

45 100

58 3.3 2.3 3.5



#20

Methylene Chloride

Concen: 10.934 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL038767.D

Acq: 28 Mar 2022 9:25

Tgt Ion: 84 Resp: 362151

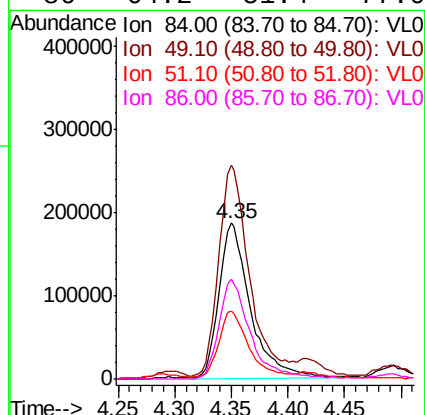
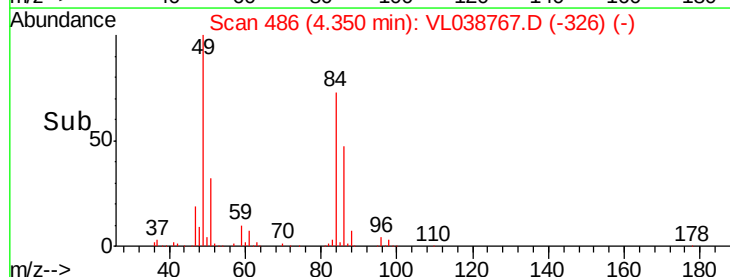
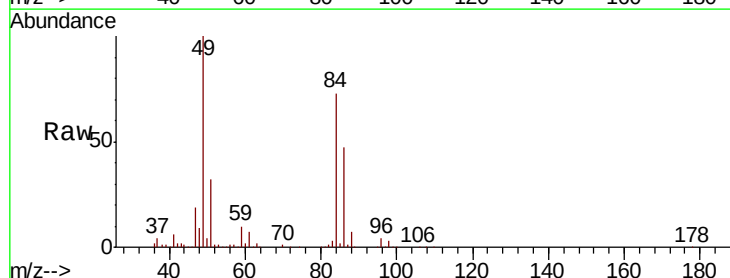
Ion Ratio Lower Upper

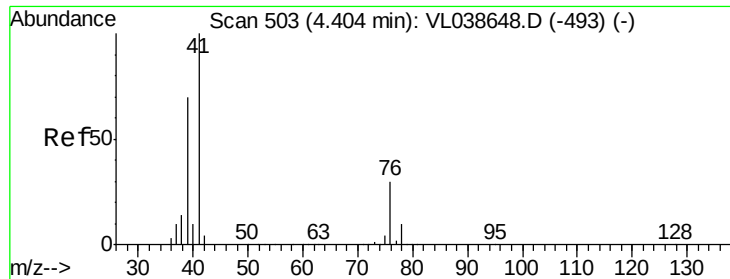
84 100

49 135.9 111.2 166.8

51 43.2 32.8 49.2

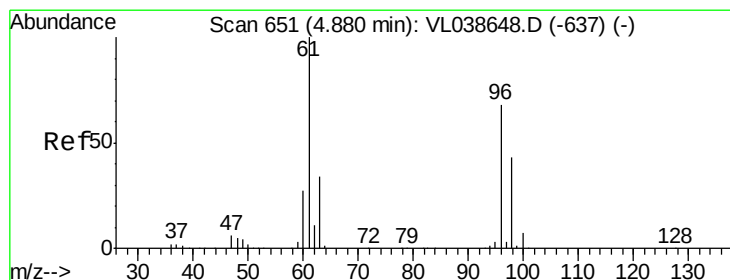
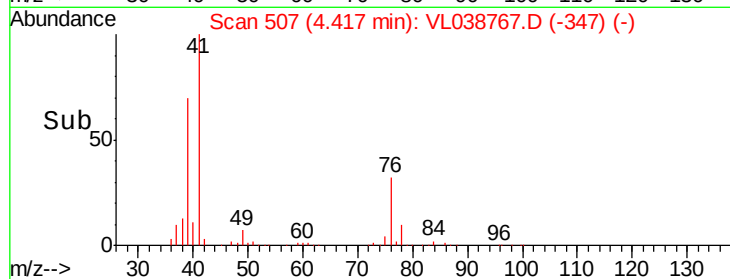
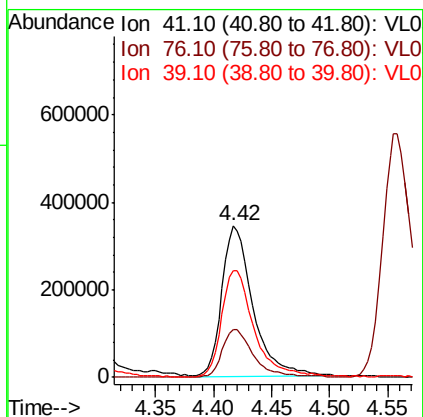
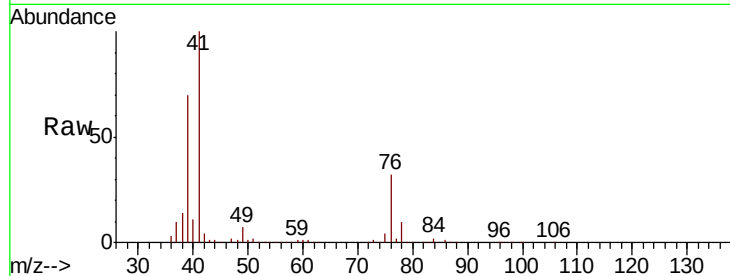
86 64.2 51.4 77.0





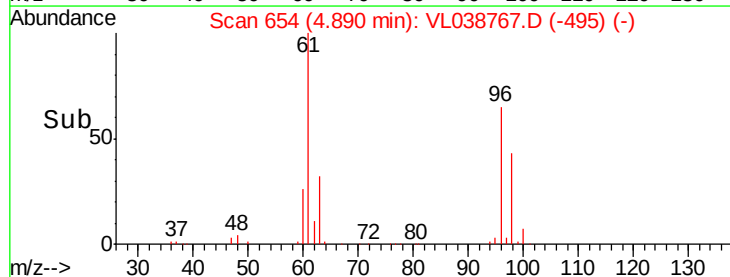
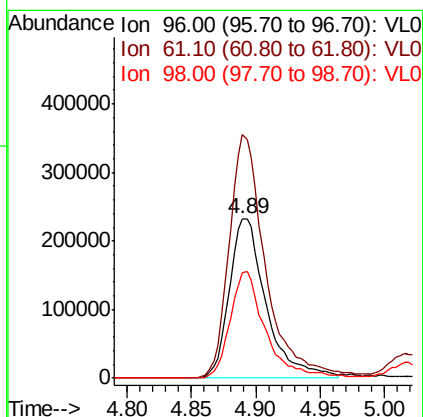
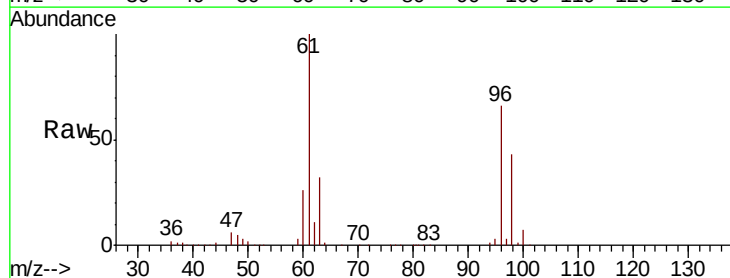
#21
Allvl Chloride
Concen: 11.277 ppbv
RT: 4.42
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 28 Mar 2022 9:25

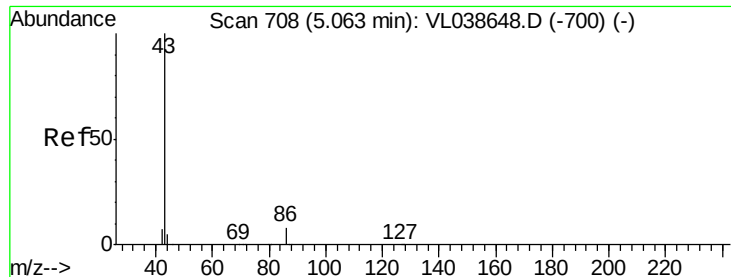
Tot Ion	41	Resp	638223
Ion Ratio	100	Lower	Upper
76	32.4	25.0	37.6
39	73.4	56.6	85.0



#22
trans-1,2-Dichloroethene
Concen: 11.906 ppbv
RT: 4.89 min Scan# 654
Delta R.T.: 0.01 min
Lab File: VL038767.D
Acq: 28 Mar 2022 9:25

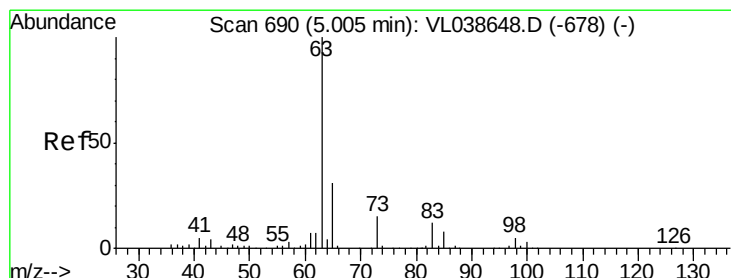
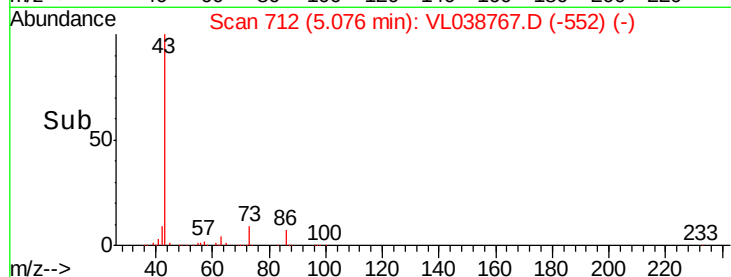
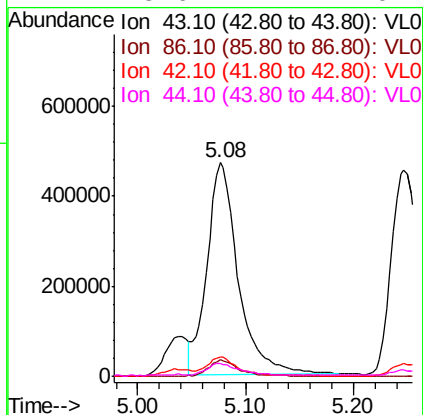
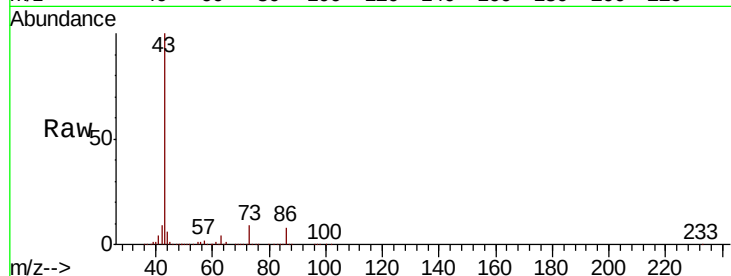
Tgt Ion	96	Resp	461783
Ion Ratio	100	Lower	Upper
61	152.6	118.3	177.5
98	65.7	51.3	76.9





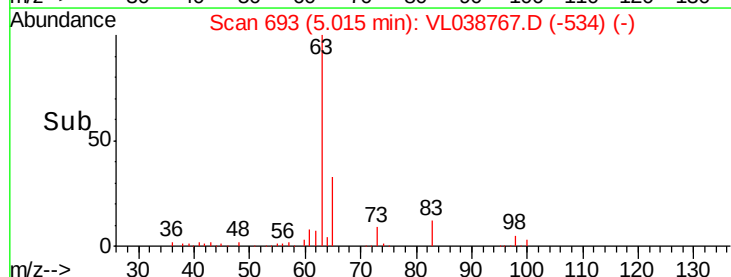
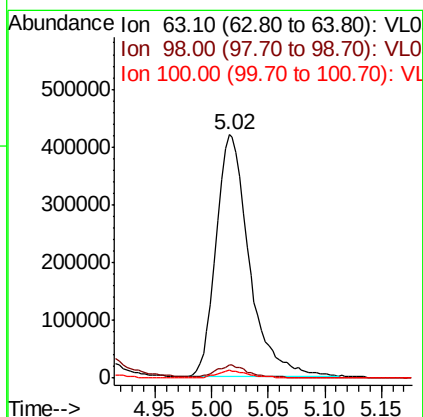
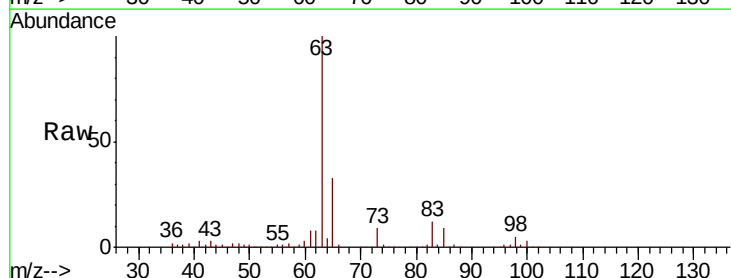
#23
 Vinyl Acetate
 Concen: 12.541 ppbv
 RT: 5.08
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 28 Mar 2022 9:25

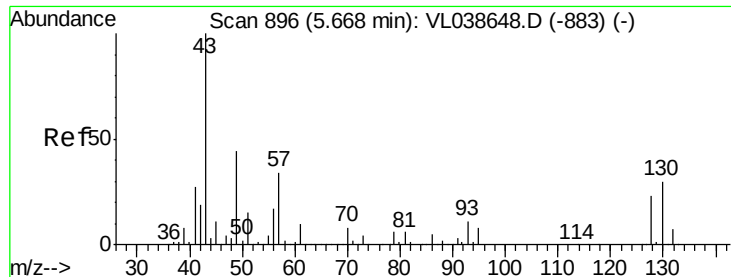
Tot Ion:	43	Resp:	954942
Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.6	8.4
42	8.9	6.8	10.2
44	5.6	4.2	6.2



#24
 1,1-Dichloroethane
 Concen: 11.371 ppbv
 RT: 5.02 min Scan# 693
 Delta R.T.: 0.01 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

Tgt Ion:	63	Resp:	852776
Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.5	7.5
100	3.1	1.4	4.2

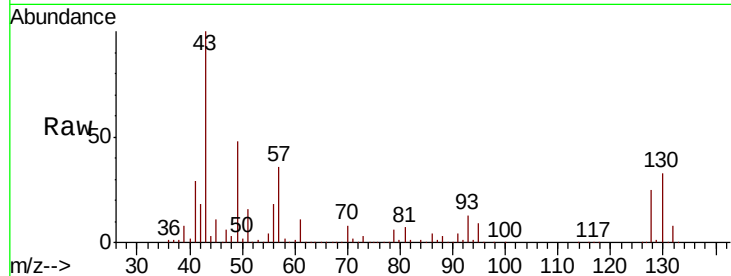




#25
Ethyl Acetate
Concen: 8.999 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Mar 2022 9:25

Tot Ion: 43 Resp: 1781399

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	11.0	8.3	12.5
70	7.4	5.6	8.4



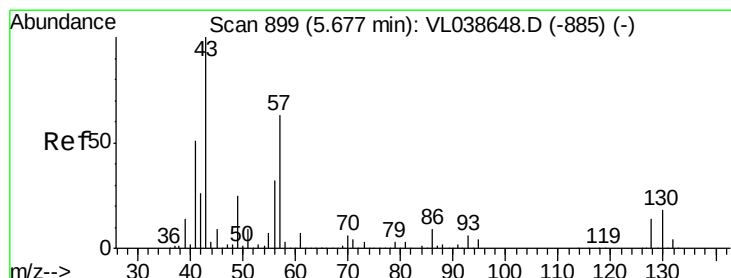
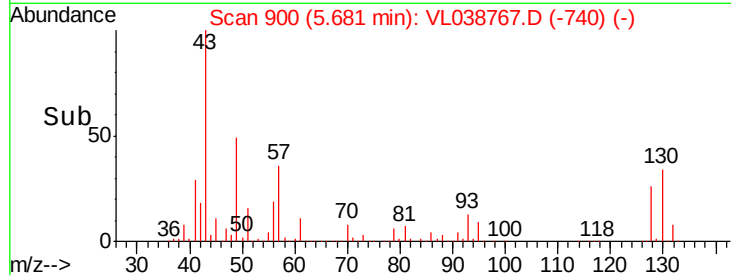
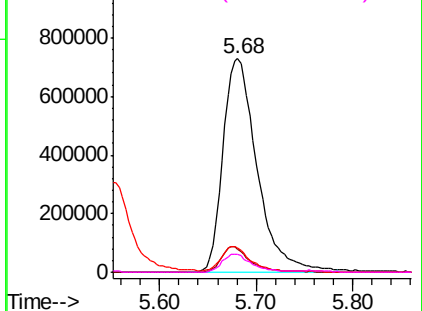
Abundance

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

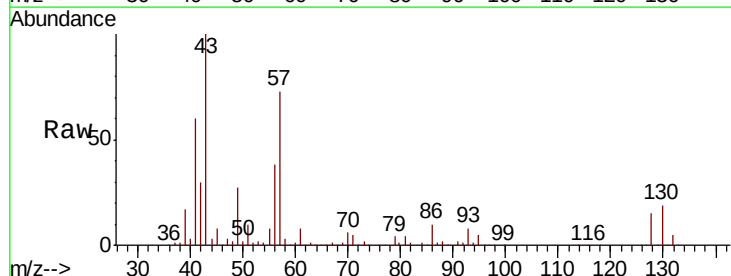
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.975 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.02 min
Lab File: VL038767.D
Acq: 28 Mar 2022 9:25

Tgt Ion: 57 Resp: 795427

Ion	Ratio	Lower	Upper
57	100		
41	83.5	67.0	100.4
43	225.7	184.2	276.2
56	53.8	42.6	64.0



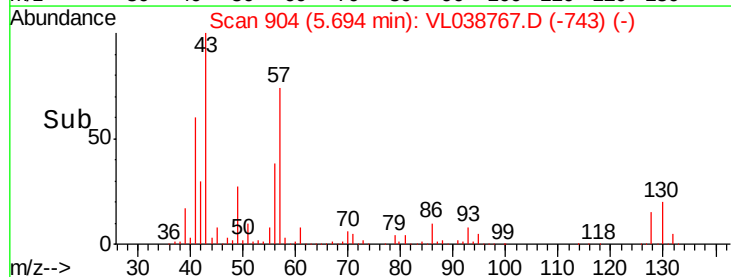
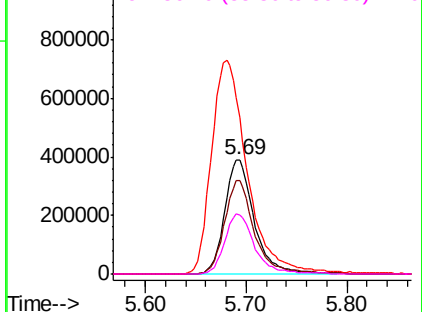
Abundance

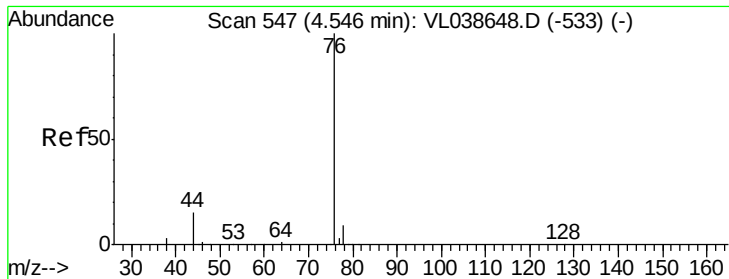
Ion 57.10 (56.80 to 57.80): VL0

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: 12.865 ppbv

RT: 4.56 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 28 Mar 2022 9:25

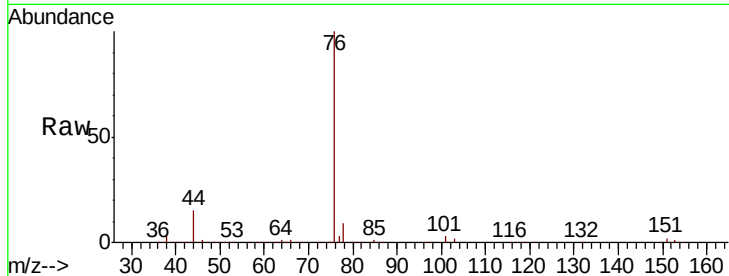
Tot Ion: 76 Resp: 1118522

Ion Ratio Lower Upper

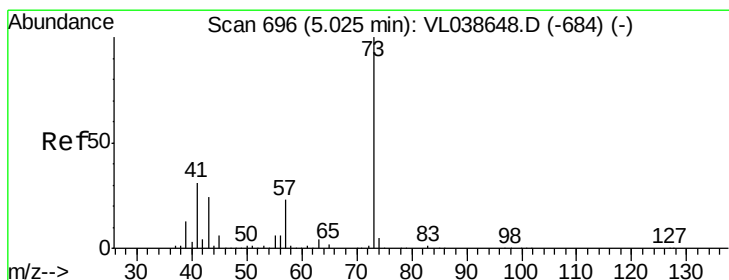
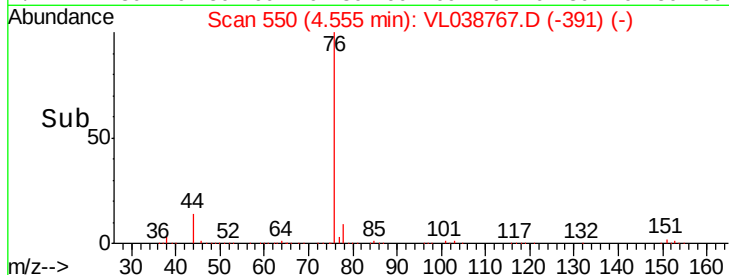
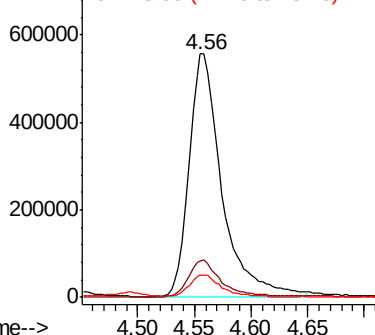
76 100

44 15.1 12.4 18.6

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: 11.913 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.01 min

Lab File: VL038767.D

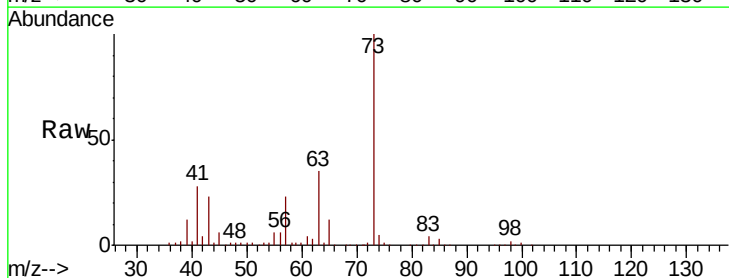
Acq: 28 Mar 2022 9:25

Tgt Ion: 73 Resp: 786494

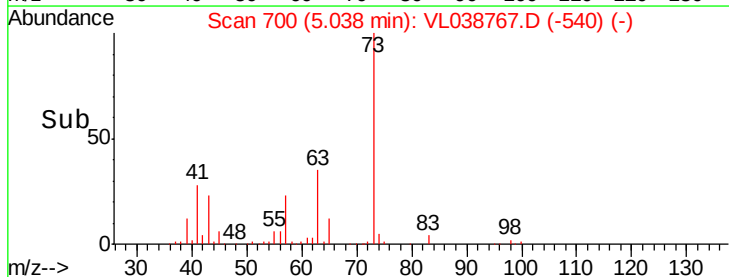
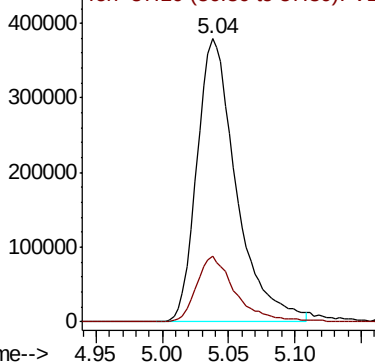
Ion Ratio Lower Upper

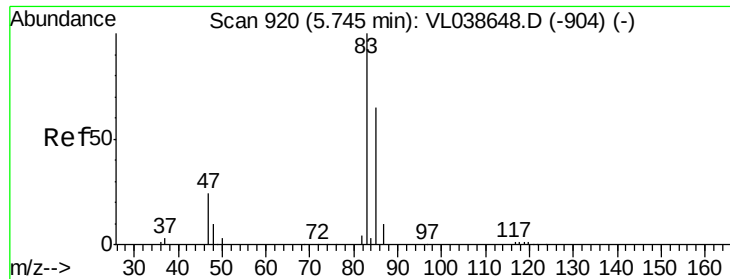
73 100

57 23.2 19.2 28.8



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





#29

Chloroform

Concen: 9.442 ppbv

RT: 5.76

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

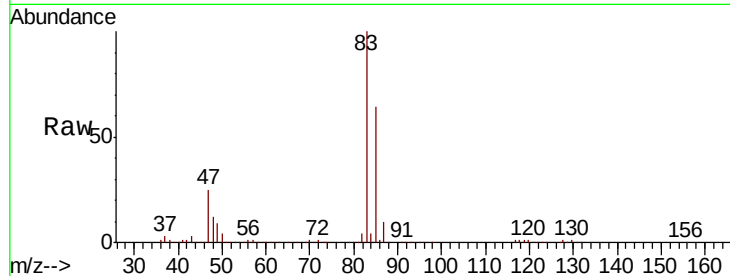
Acq: 28 Mar 2022 9:25

Tot Ion: 83 Resp: 1339924

Ion Ratio Lower Upper

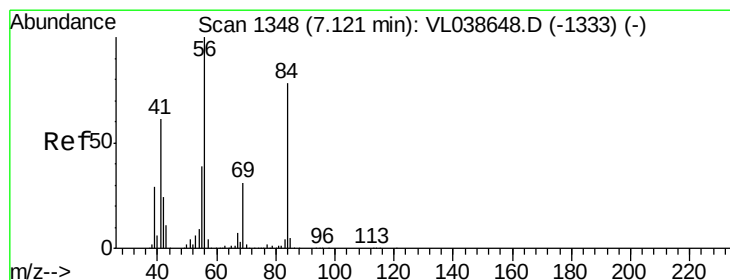
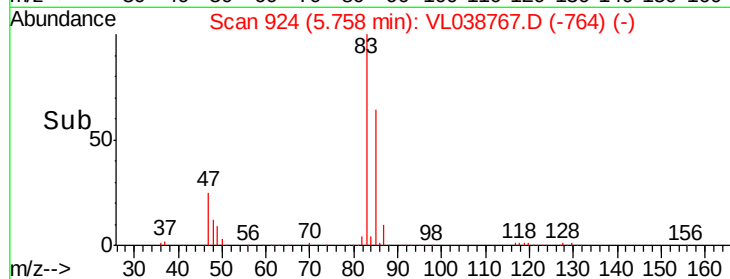
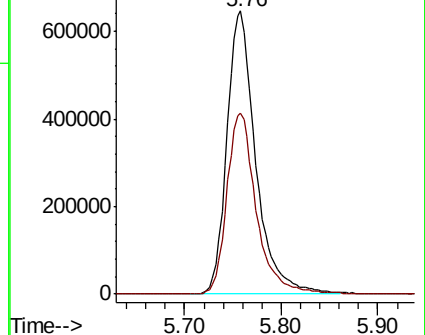
83 100

85 64.0 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 8.913 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VL038767.D

Acq: 28 Mar 2022 9:25

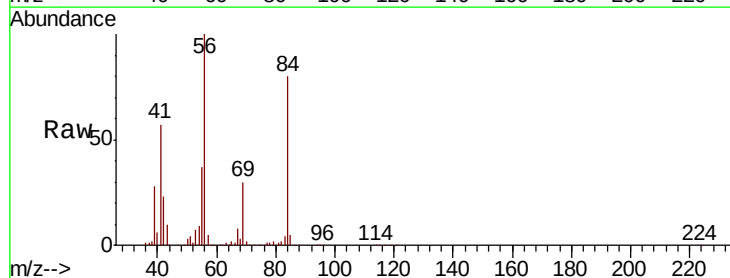
Tgt Ion: 84 Resp: 686809

Ion Ratio Lower Upper

84 100

56 131.5 108.2 162.4

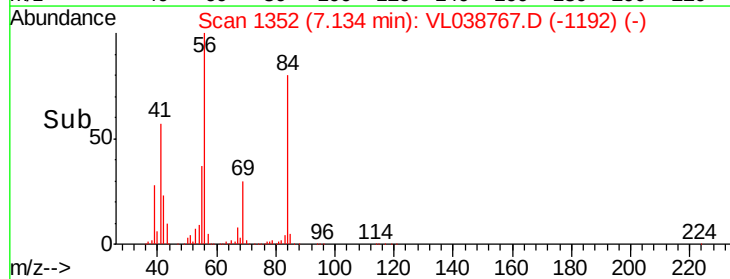
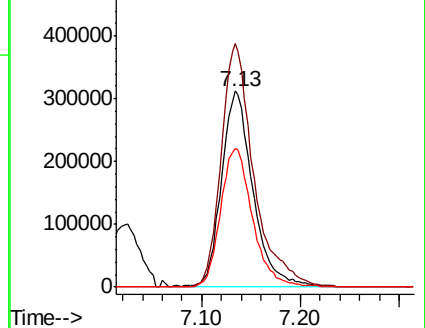
41 73.2 61.8 92.6

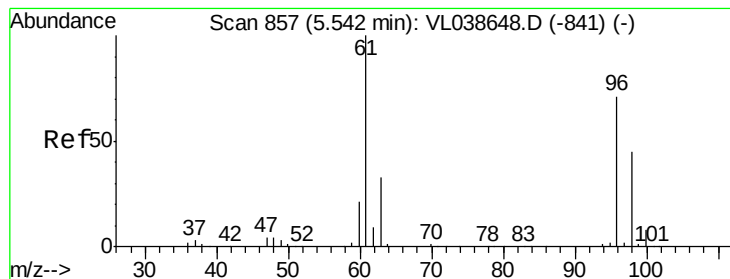


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 7.821 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Mar 2022 9:25 VSTDCCC010

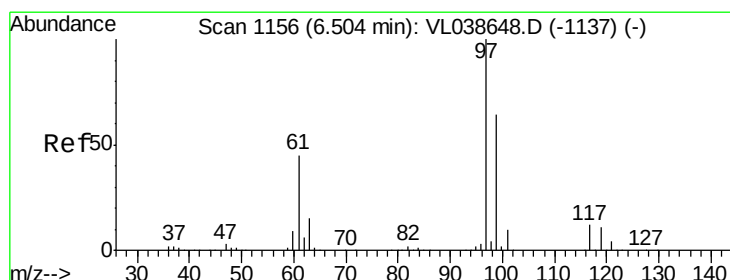
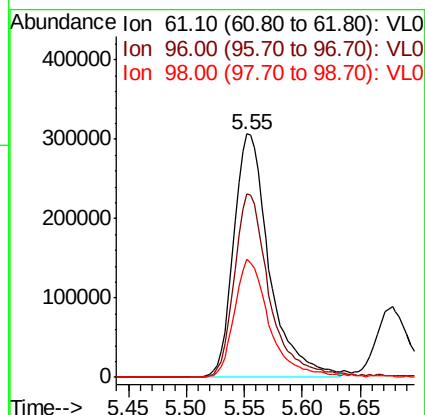
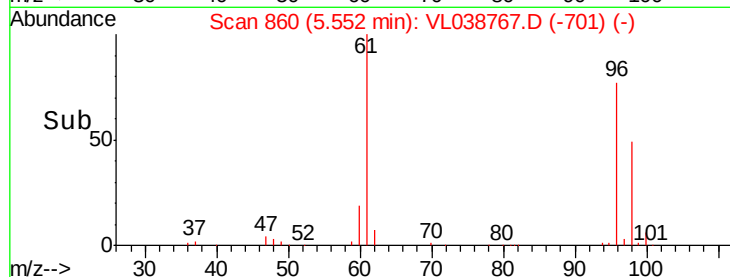
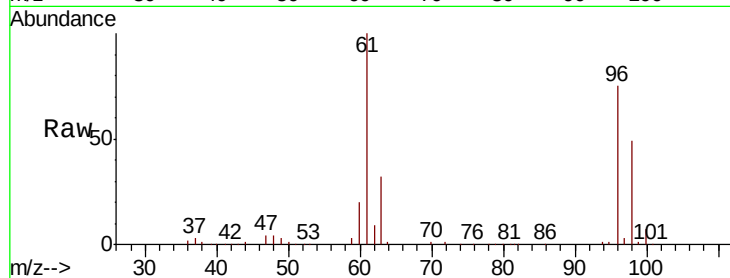
Tot Ion: 61 Resp: 651776

Ion Ratio Lower Upper

61 100

96 75.1 56.6 84.8

98 48.5 36.3 54.5



#32

1,1,1-Trichloroethane

Concen: 9.640 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VL038767.D

Acq: 28 Mar 2022 9:25

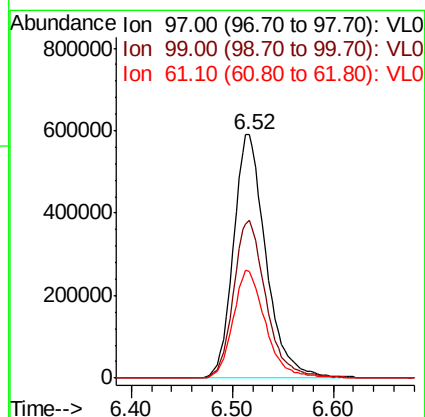
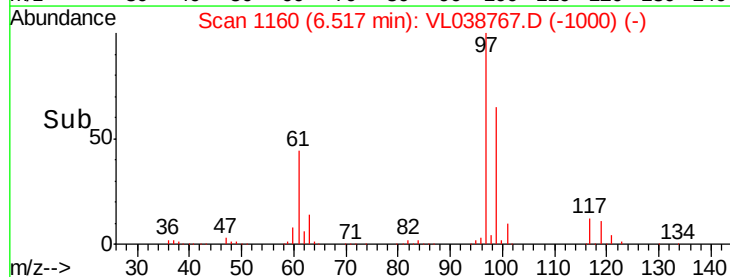
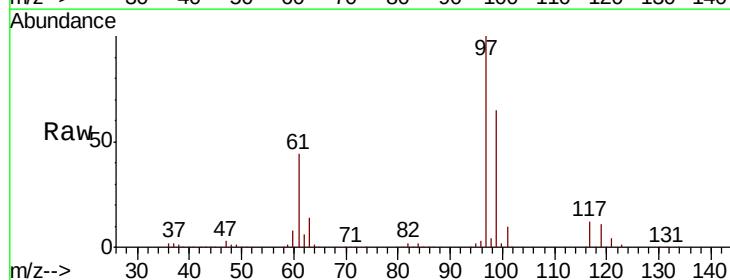
Tgt Ion: 97 Resp: 1320058

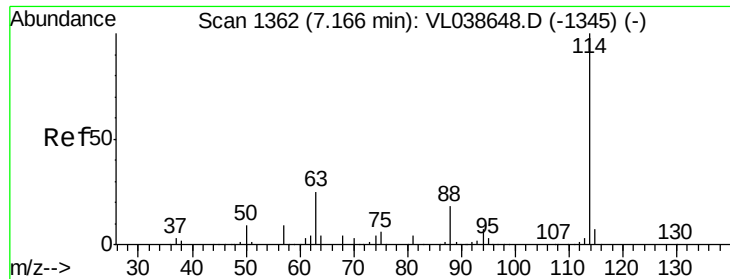
Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.8

61 44.8 36.7 55.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 28 Mar 2022 9:25

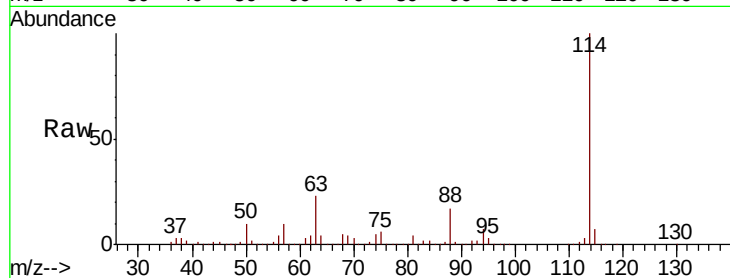
Tot Ion:114 Resp: 2473776

Ion Ratio Lower Upper

114 100

63 23.6 19.4 29.0

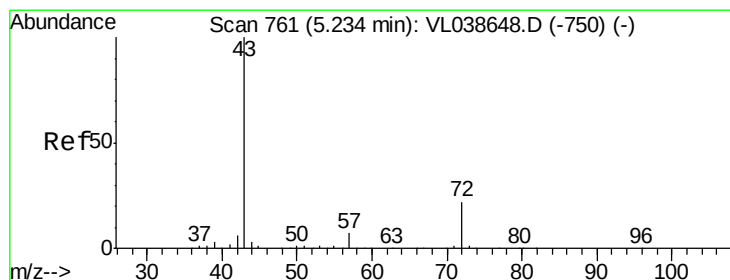
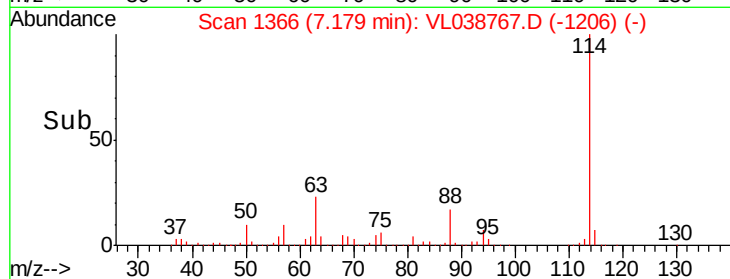
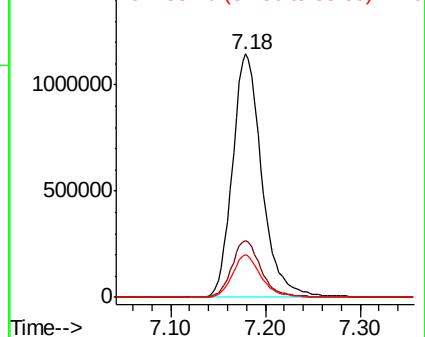
88 17.1 13.9 20.9



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.887 ppbv

RT: 5.25 min Scan# 765

Delta R.T. 0.01 min

Lab File: VL038767.D

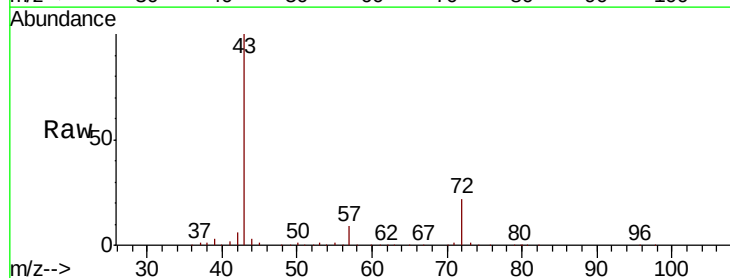
Acq: 28 Mar 2022 9:25

Tgt Ion: 43 Resp: 968055

Ion Ratio Lower Upper

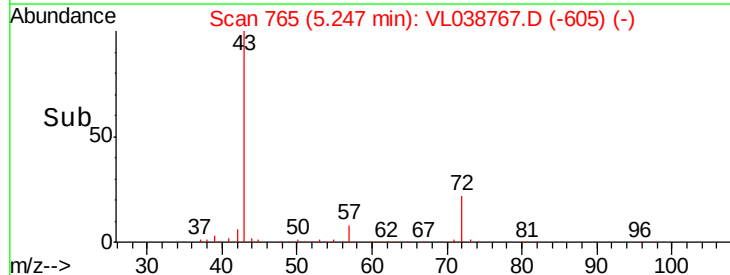
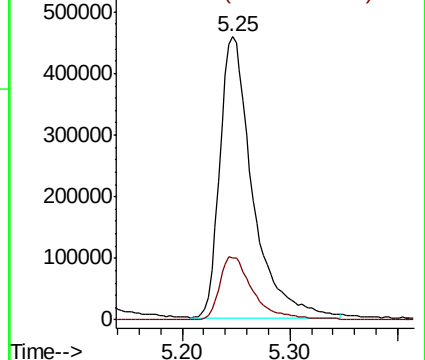
43 100

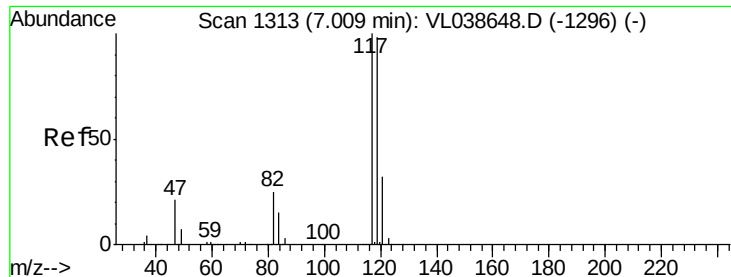
72 23.5 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

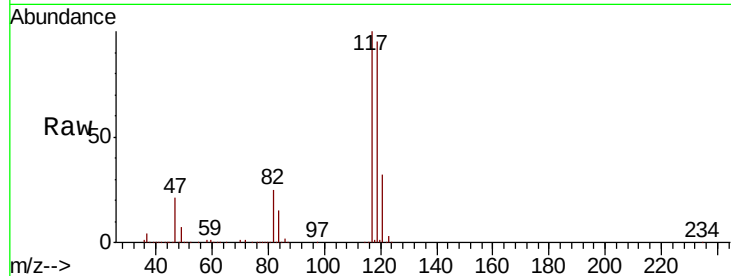
Ion 72.10 (71.80 to 72.80): VL0



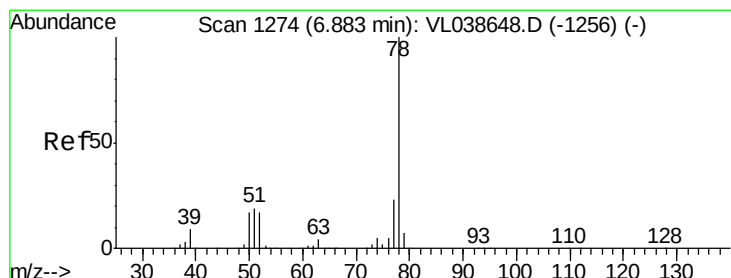
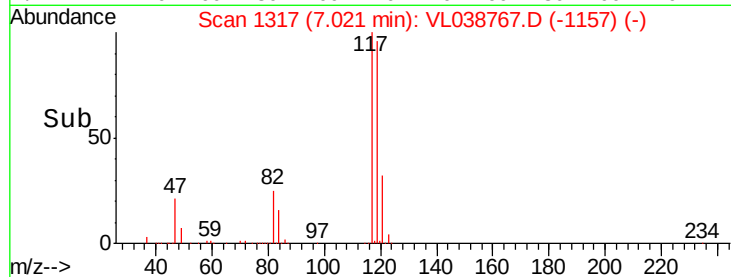
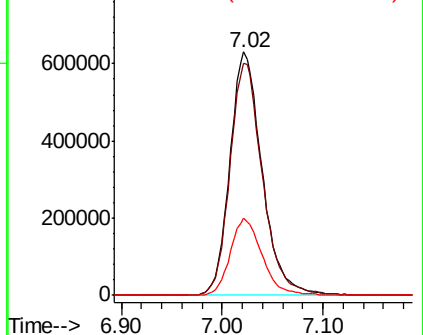


#35
 Carbon Tetrachloride
 Concen: 9.765 ppbv
 RT: 7.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Mar 2022 9:25

Tot Ion:117 Resp: 1401594
 Ion Ratio Lower Upper
 117 100
 119 95.4 78.1 117.1
 121 31.8 25.8 38.6

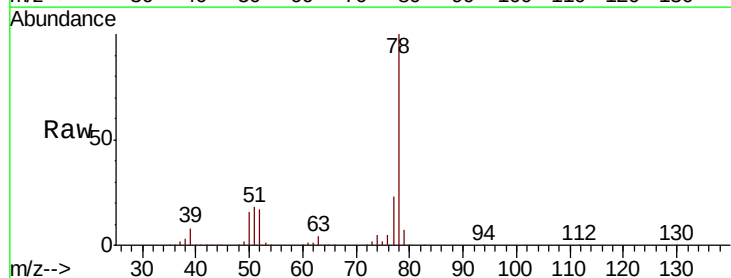


Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V

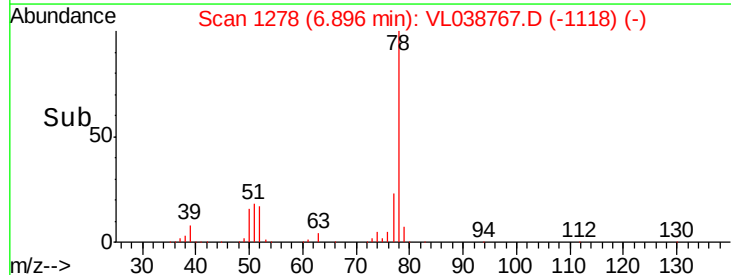
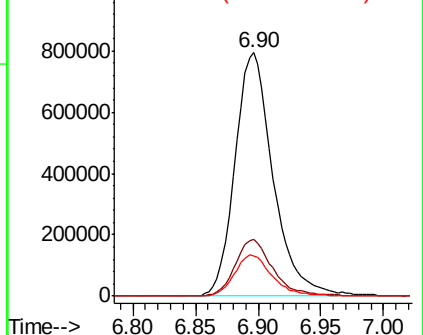


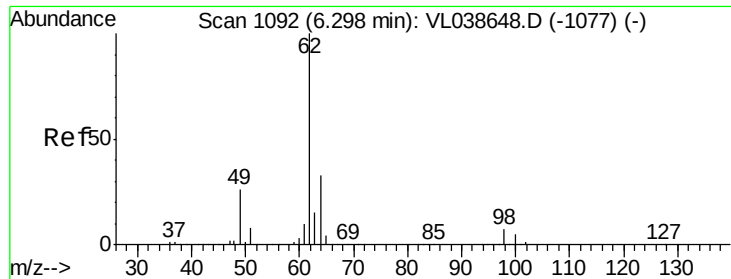
#36
 Benzene
 Concen: 8.771 ppbv
 RT: 6.90 min Scan# 1278
 Delta R.T. 0.01 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

Tgt Ion: 78 Resp: 1674543
 Ion Ratio Lower Upper
 78 100
 77 23.1 18.1 27.1
 50 16.5 13.6 20.4



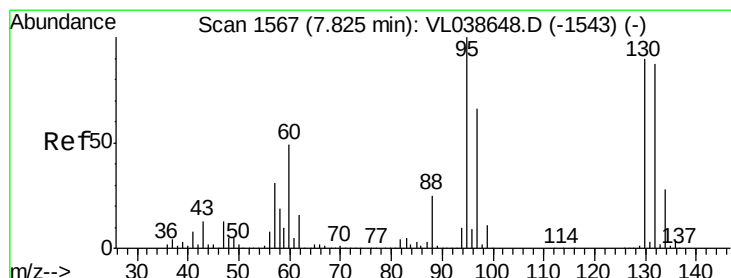
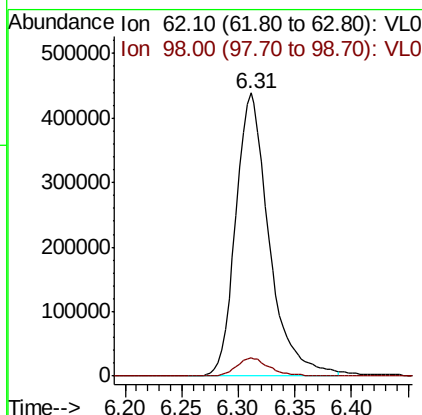
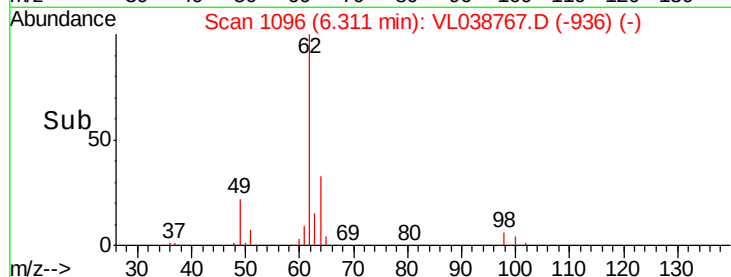
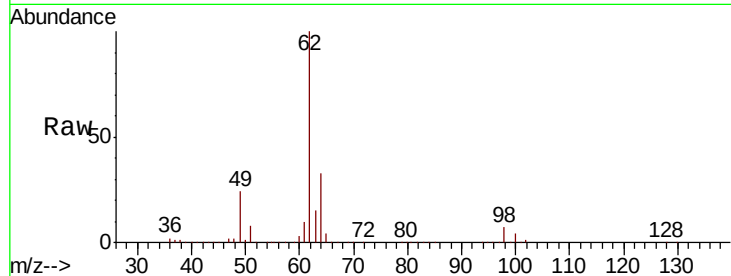
Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0





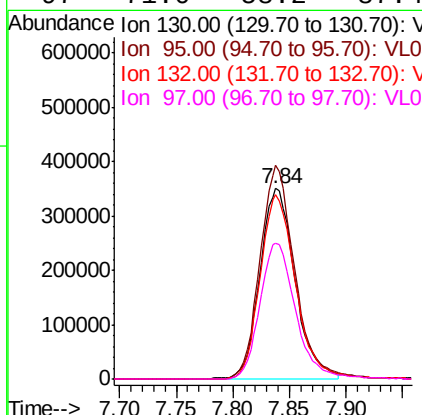
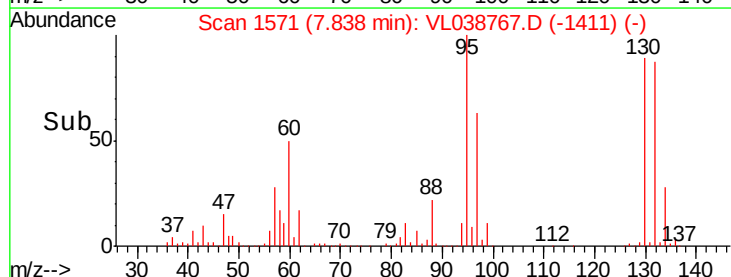
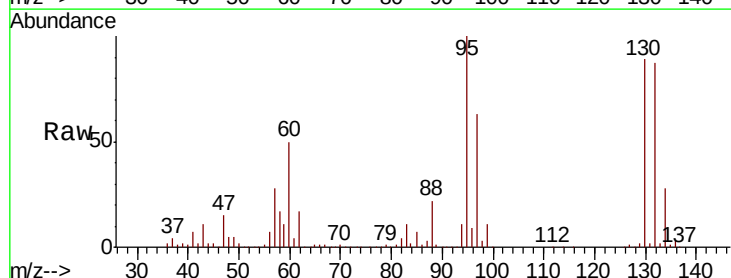
#37
 1,2-Dichloroethane
 Concen: 9.292 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 28 Mar 2022 9:25

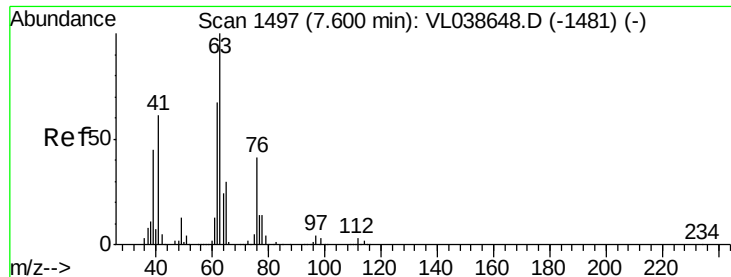
Tot Ion: 62 Resp: 902401
 Ion Ratio Lower Upper
 62 100
 98 6.6 5.6 8.4



#38
 Trichloroethene
 Concen: 9.461 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

Tgt Ion:130 Resp: 756690
 Ion Ratio Lower Upper
 130 100
 95 112.0 88.9 133.3
 132 96.9 77.4 116.0
 97 71.0 58.2 87.4





#39

1,2-Dichloropropane

Concen: 8.562 ppbv

RT: 7.62 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 28 Mar 2022 9:25

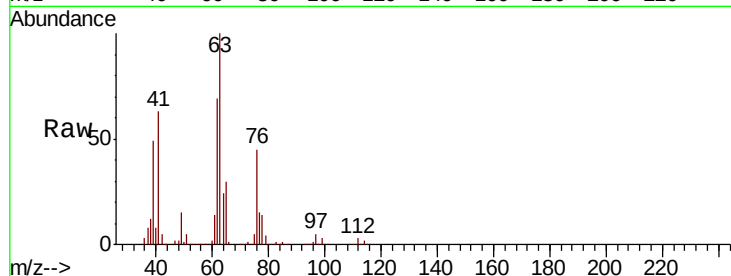
Tot Ion: 63 Resp: 639037

Ion Ratio Lower Upper

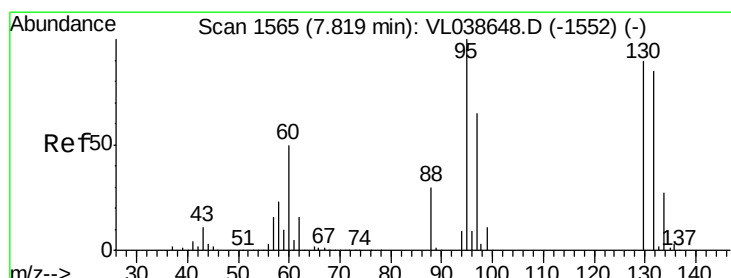
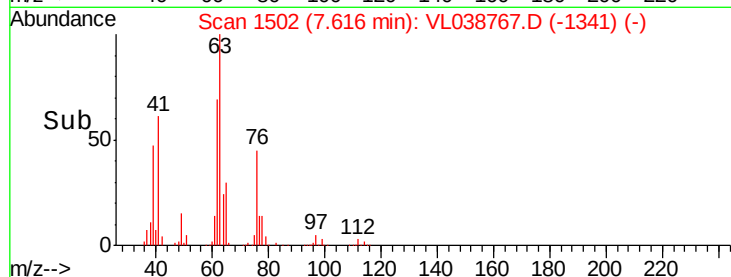
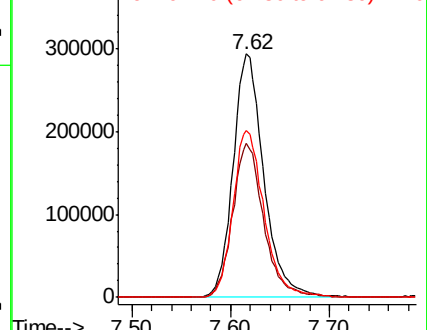
63 100

41 63.0 49.0 73.6

62 68.6 53.9 80.9



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



#40

1,4-Dioxane

Concen: 8.840 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.02 min

Lab File: VL038767.D

Acq: 28 Mar 2022 9:25

Tgt Ion: 88 Resp: 229140

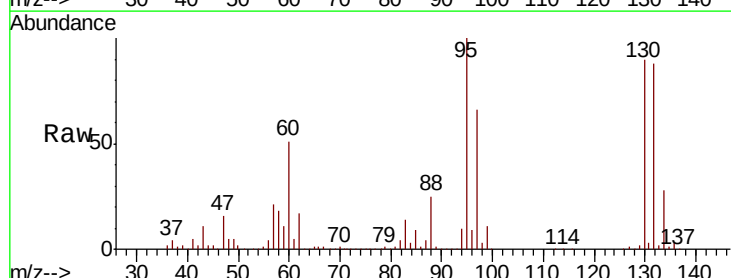
Ion Ratio Lower Upper

88 100

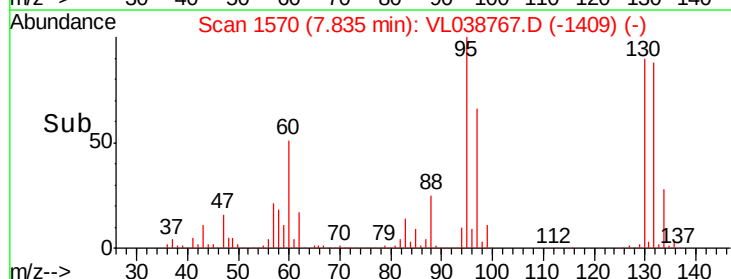
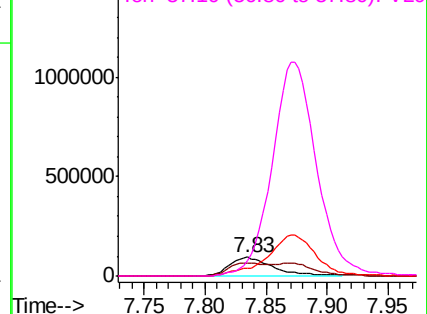
58 65.0 105.6 158.4#

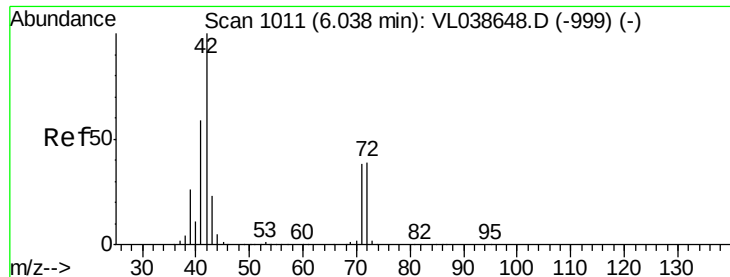
43 0.0 201.9 302.9#

57 0.0 942.1 1413.1#



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





#41

Tetrahydrofuran

Concen: 8.142 ppbv

RT: 6.05 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 28 Mar 2022 9:25

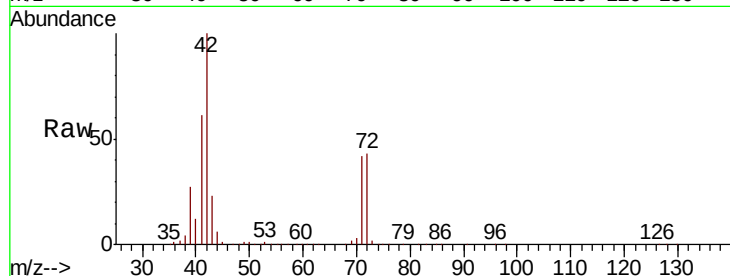
Tot Ion: 42 Resp: 593349

Ion Ratio Lower Upper

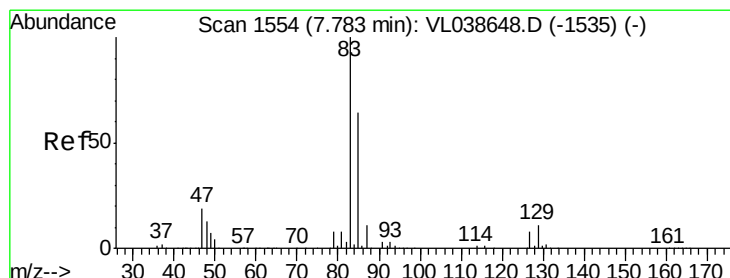
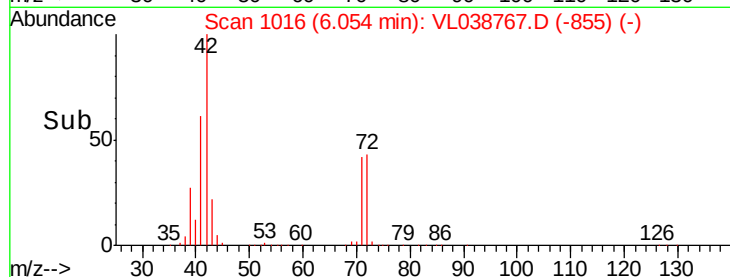
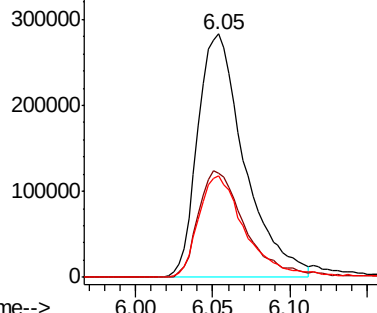
42 100

72 45.1 32.5 48.7

71 42.8 31.4 47.2



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



#42

Bromodichloromethane

Concen: 9.700 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VL038767.D

Acq: 28 Mar 2022 9:25

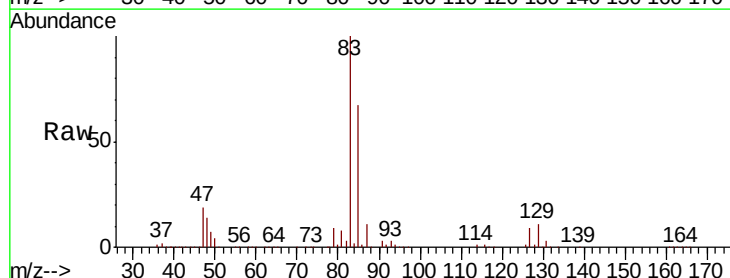
Tgt Ion: 83 Resp: 1412409

Ion Ratio Lower Upper

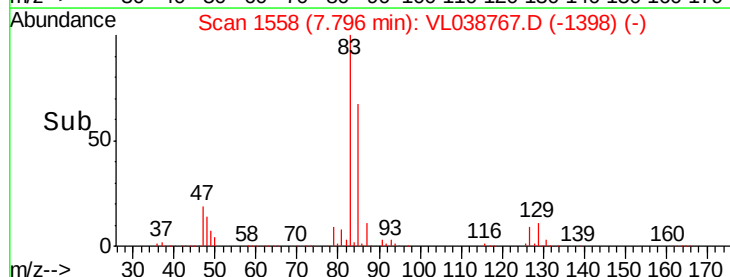
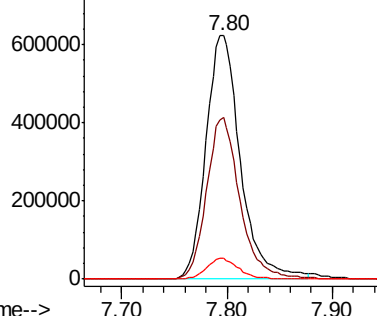
83 100

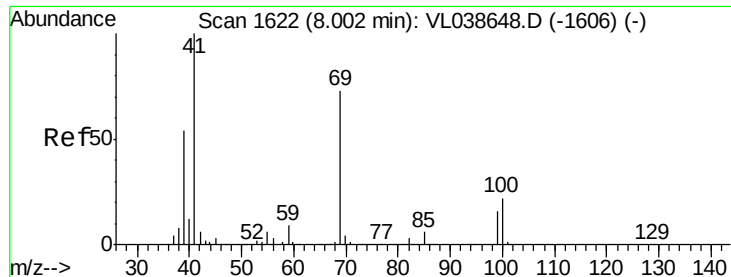
85 66.6 51.1 76.7

127 8.7 6.5 9.7



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





#43

Methyl Methacrylate

Concen: 9.652 ppbv

RT: 8.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Mar 2022 9:25

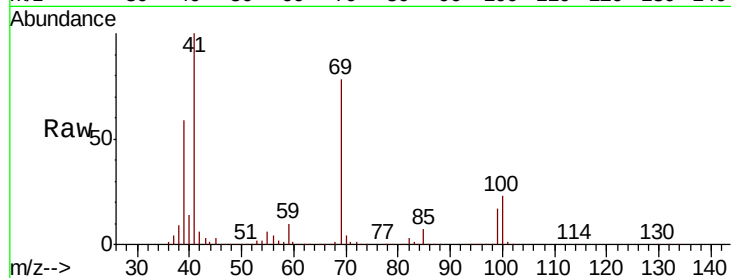
Tot Ion: 69 Resp: 684184

Ion Ratio Lower Upper

69 100

41 128.7 110.3 165.5

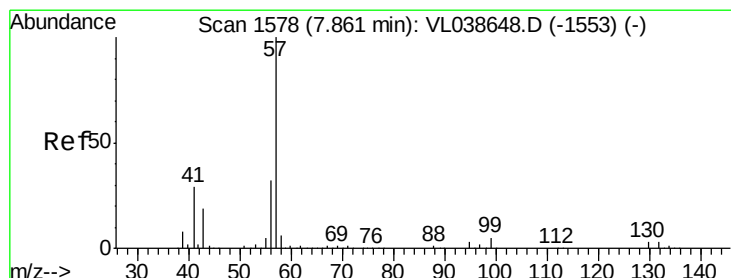
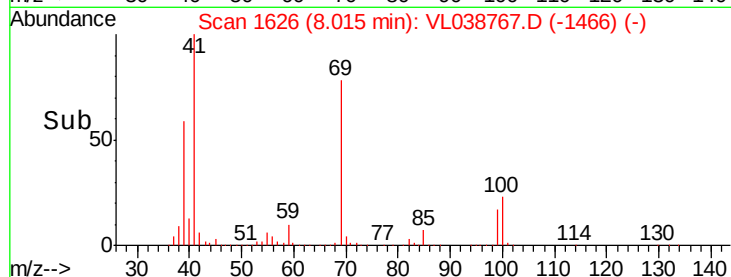
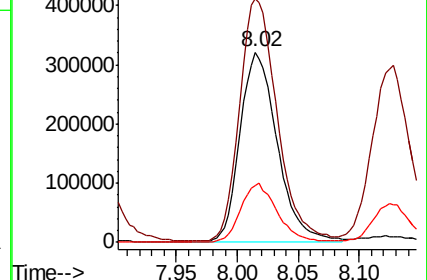
100 30.3 24.8 37.2



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: 8.583 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.01 min

Lab File: VL038767.D

Acq: 28 Mar 2022 9:25

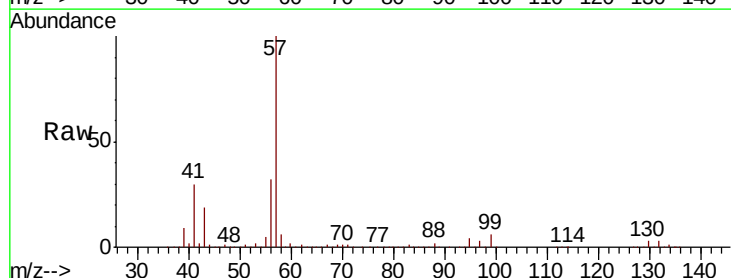
Tgt Ion: 57 Resp: 2751252

Ion Ratio Lower Upper

57 100

41 28.8 23.0 34.4

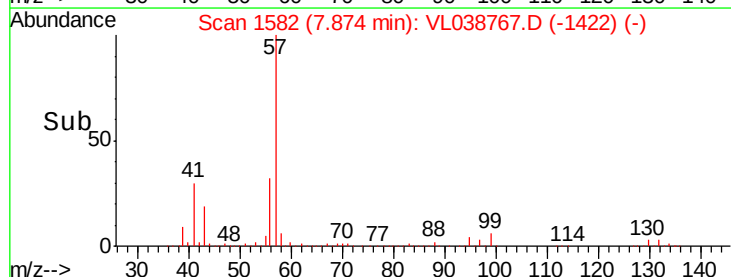
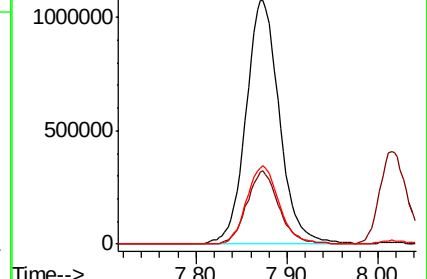
56 31.3 25.3 37.9

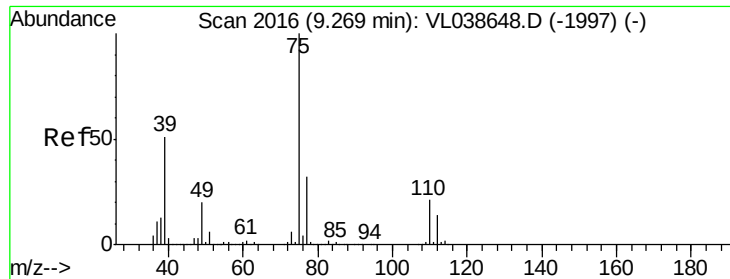


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

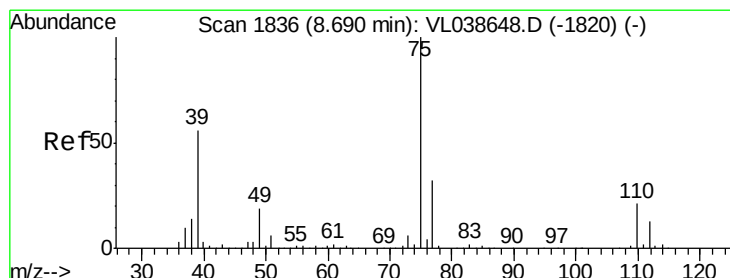
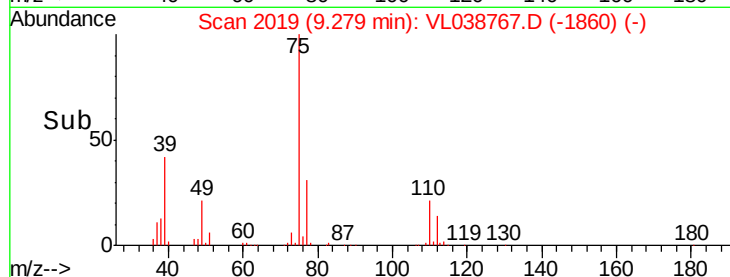
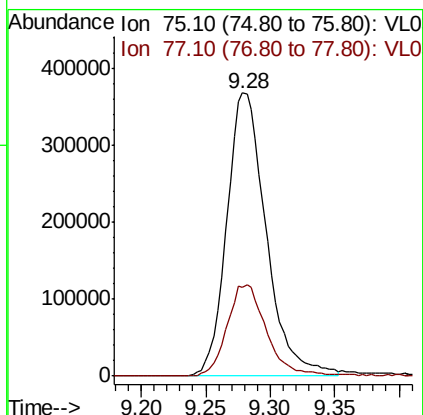
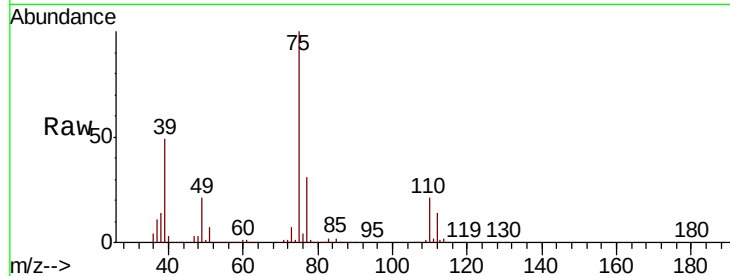
Ion 56.10 (55.80 to 56.80): VL0





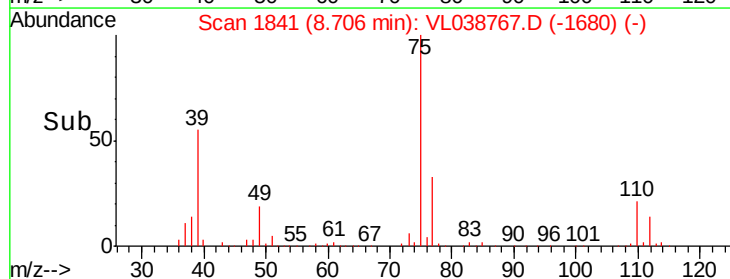
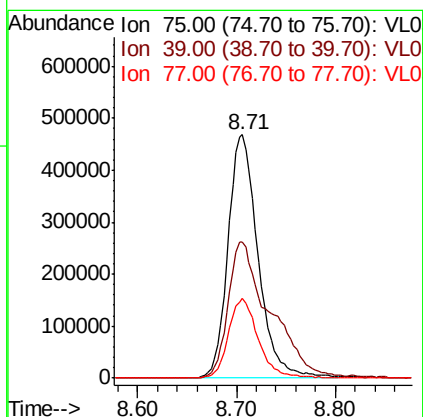
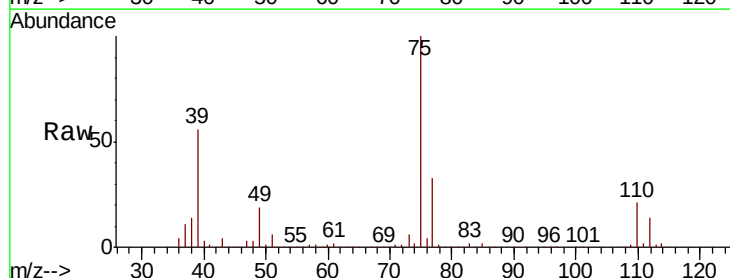
#45
 t-1,3-Dichloropropene
 Concen: 10.880 ppbv
 RT: 9.28
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 28 Mar 2022 9:25

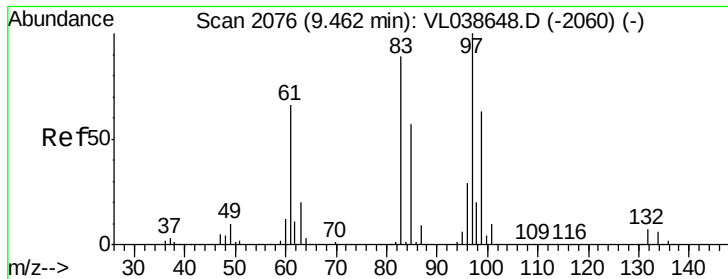
Tot Ion: 75 Resp: 784159
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 10.173 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. 0.02 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

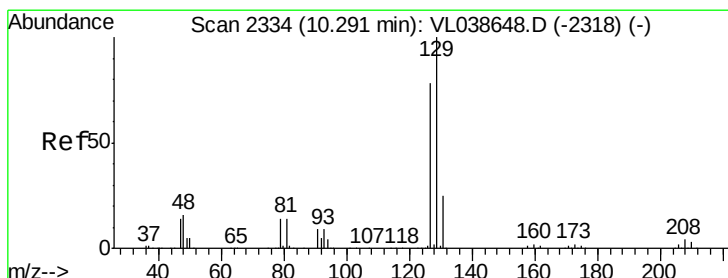
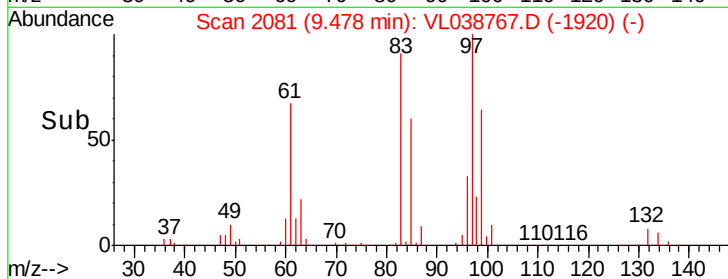
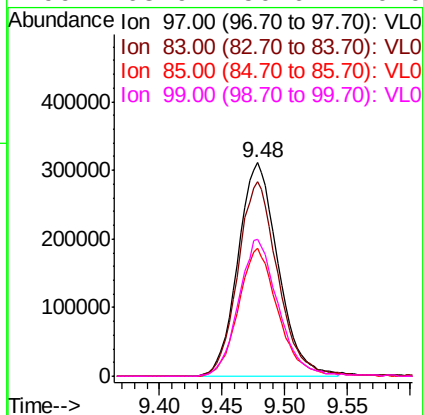
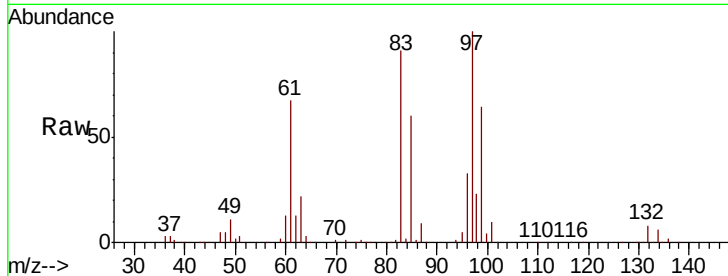
Tgt Ion: 75 Resp: 991436
 Ion Ratio Lower Upper
 75 100
 39 55.8 44.8 67.2
 77 32.8 25.4 38.0





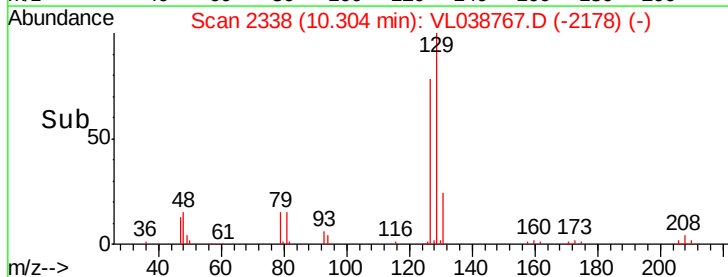
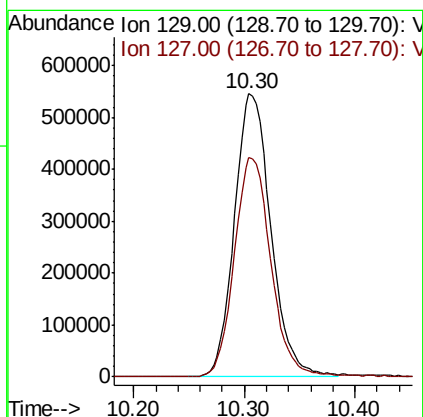
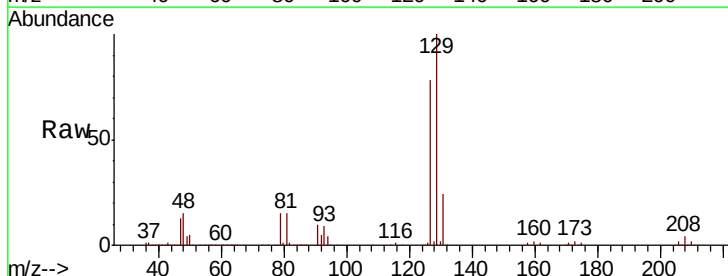
#47
 1,1,2-Trichloroethane
 Concen: 8.710 ppbv
 RT: 9.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 28 Mar 2022 9:25

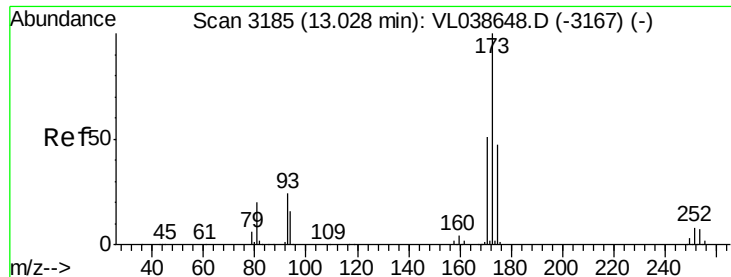
Tot Ion:	97	Resp:	694078
Ion	Ratio	Lower	Upper
97	100		
83	91.2	71.2	106.8
85	60.1	45.3	67.9
99	63.9	50.6	76.0



#48
 Dibromochloromethane
 Concen: 10.021 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.01 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

Tgt Ion:	129	Resp:	1250854
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.5	118.5





#49

Bromoform

Concen: 10.020 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Mar 2022 9:25

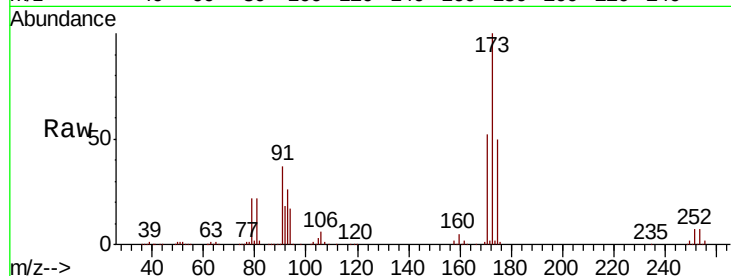
Tot Ion:173 Resp: 1019326

Ion Ratio Lower Upper

173 100

175 50.3 41.0 61.6

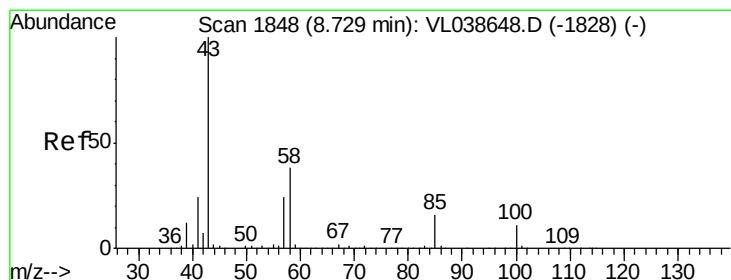
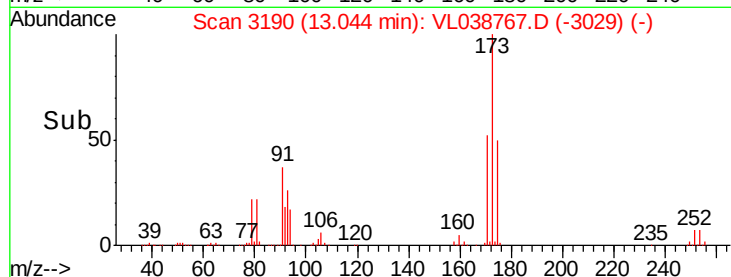
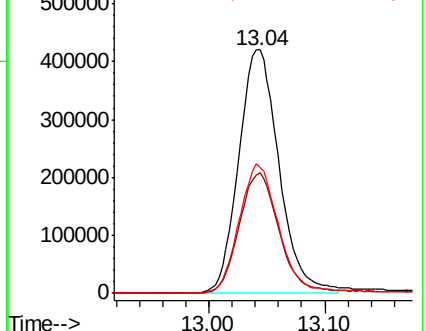
171 54.0 43.1 64.7



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: 8.877 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VL038767.D

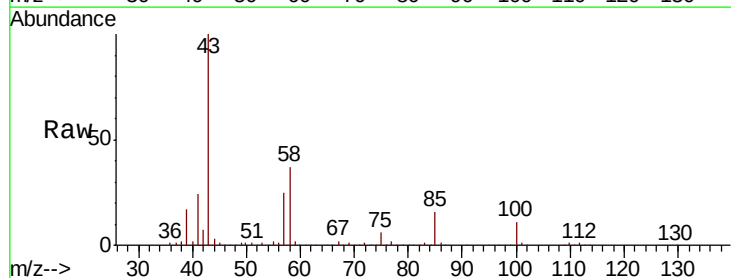
Acq: 28 Mar 2022 9:25

Tgt Ion: 43 Resp: 1615850

Ion Ratio Lower Upper

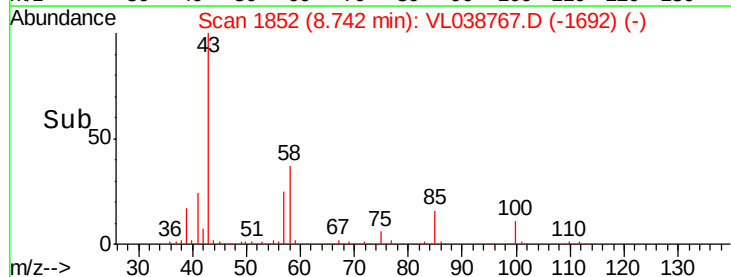
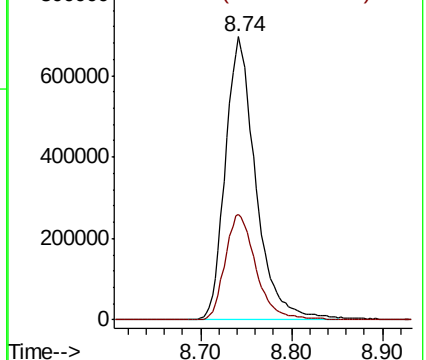
43 100

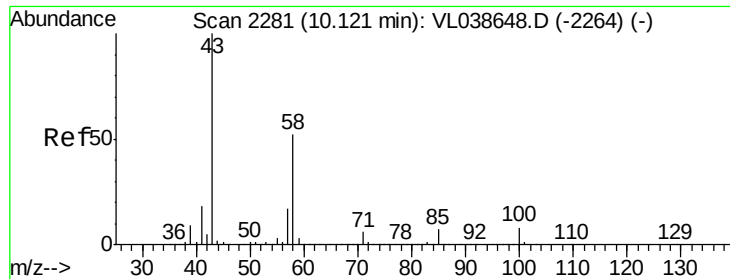
58 38.3 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

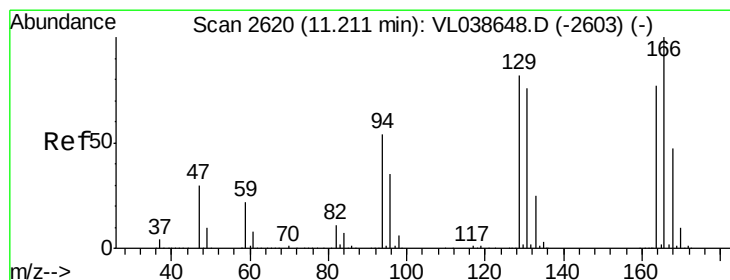
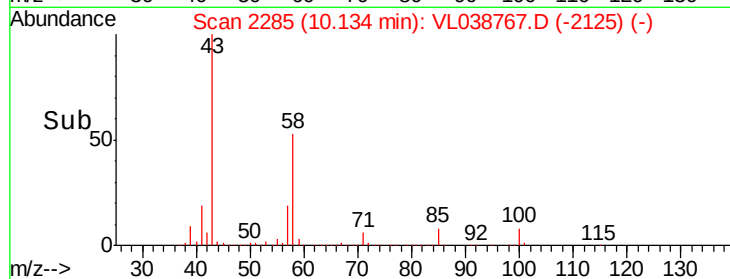
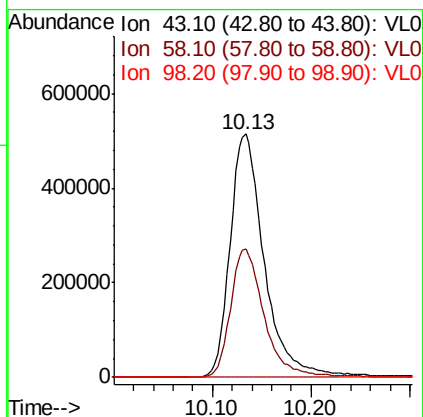
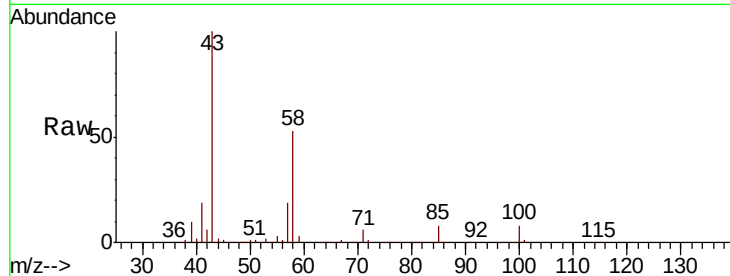
Ion 58.10 (57.80 to 58.80): VL0





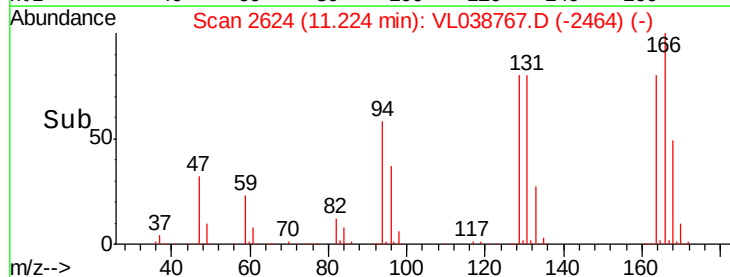
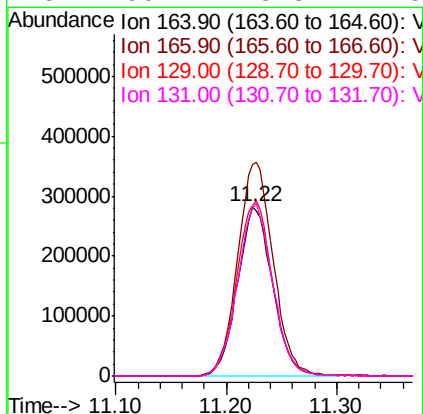
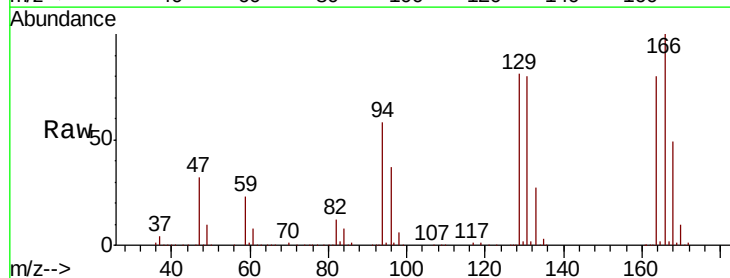
#51
2-Hexanone
Concen: 9.416 ppbv
RT: 10.13
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Mar 2022 9:25

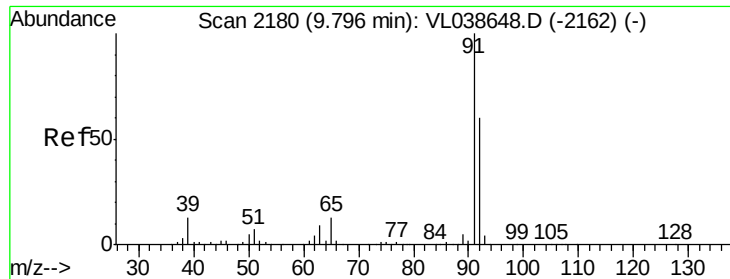
Tot Ion: 43 Resp: 1231142
Ion Ratio Lower Upper
43 100
58 52.9 41.2 61.8
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 8.847 ppbv
RT: 11.22 min Scan# 2624
Delta R.T.: 0.01 min
Lab File: VL038767.D
Acq: 28 Mar 2022 9:25

Tgt Ion: 164 Resp: 618143
Ion Ratio Lower Upper
164 100
166 124.6 103.3 154.9
129 100.4 85.2 127.8
131 99.4 78.3 117.5





#53

Toluene

Concen: 9.458 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

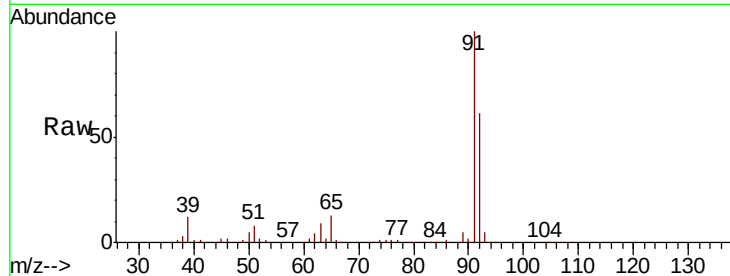
Acq: 28 Mar 2022 9:25 VSTDCCC010

Tot Ion: 91 Resp: 1940280

Ion Ratio Lower Upper

91 100

92 60.3 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.81

800000

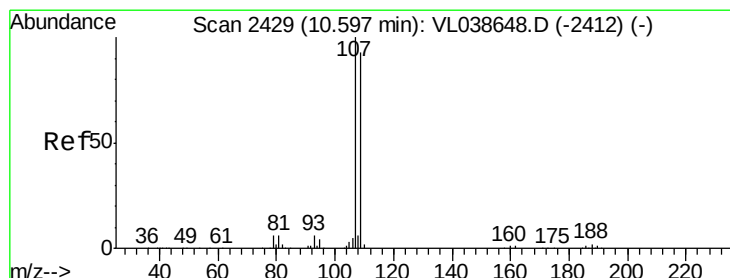
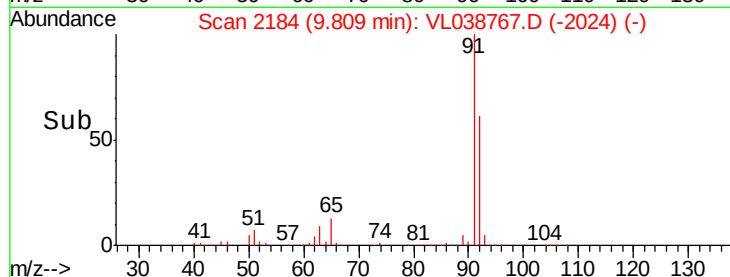
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 9.332 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.02 min

Lab File: VL038767.D

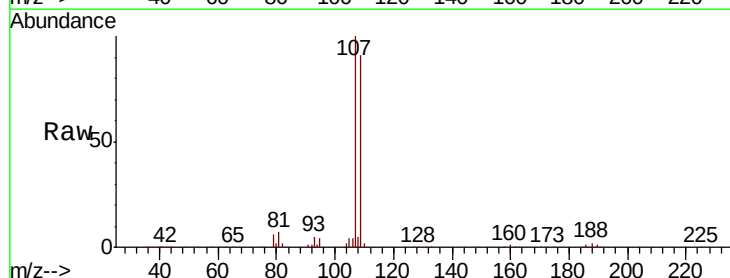
Acq: 28 Mar 2022 9:25

Tgt Ion: 107 Resp: 1015416

Ion Ratio Lower Upper

107 100

109 90.6 74.1 111.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.61

500000

400000

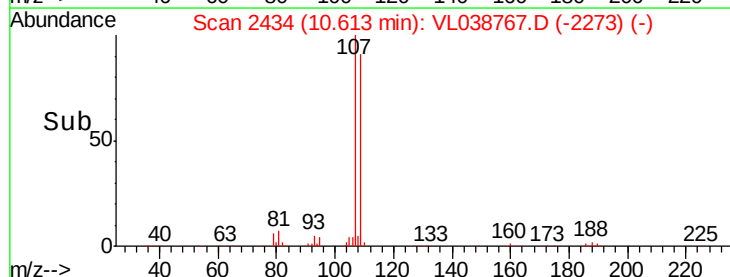
300000

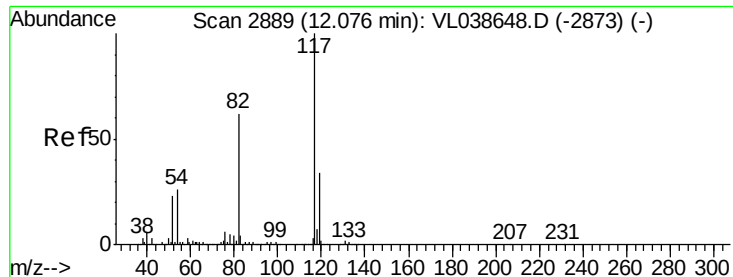
200000

100000

0

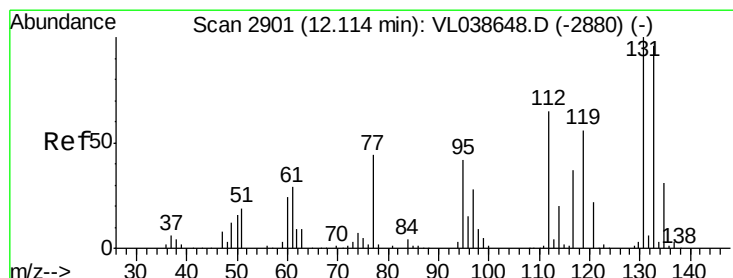
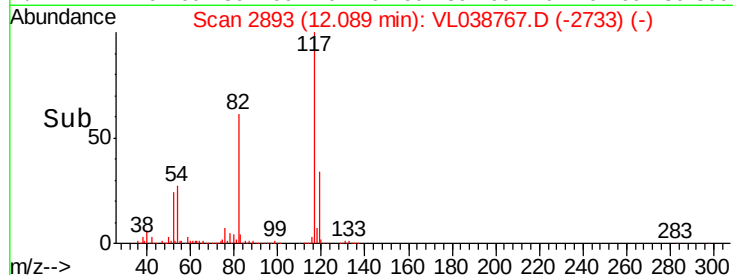
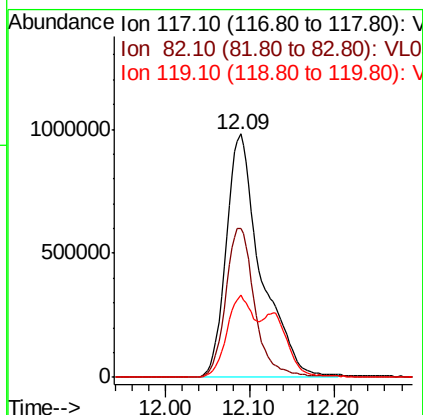
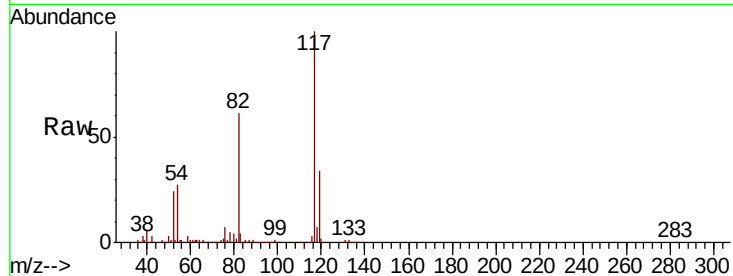
Time-->





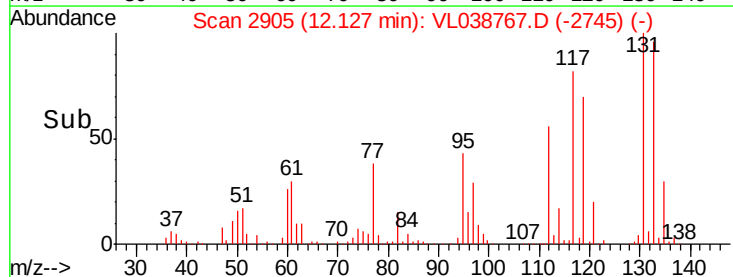
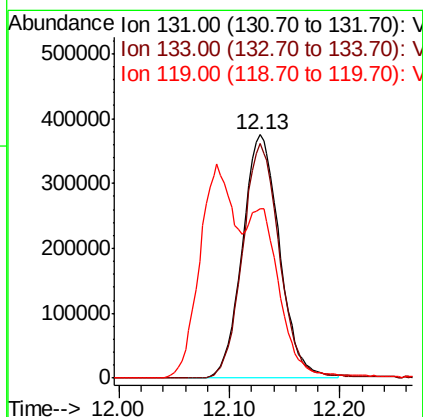
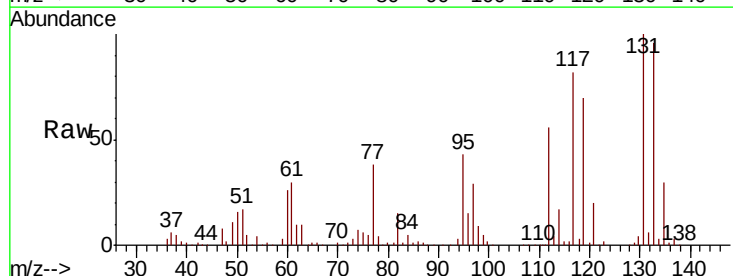
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Mar 2022 9:25

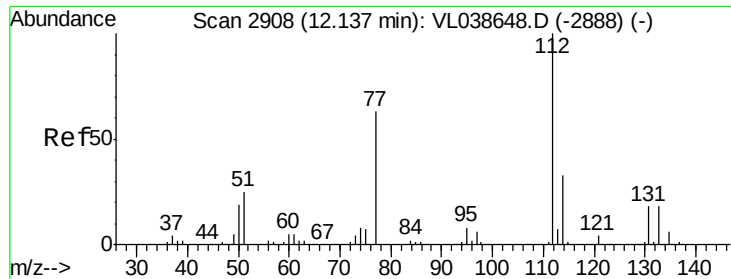
Tot Ion:117 Resp: 2813498
Ion Ratio Lower Upper
117 100
82 52.4 51.6 77.4
119 46.5 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.525 ppbv
RT: 12.13 min Scan# 2905
Delta R.T.: 0.01 min
Lab File: VL038767.D
Acq: 28 Mar 2022 9:25

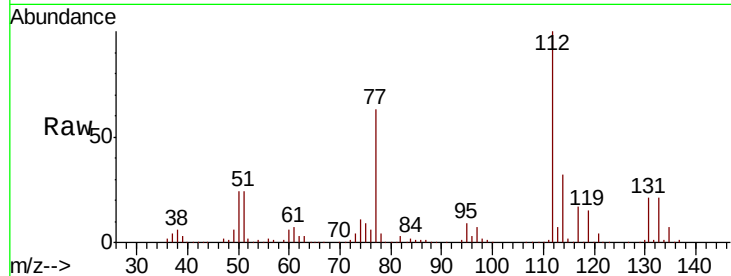
Tgt Ion:131 Resp: 877752
Ion Ratio Lower Upper
131 100
133 96.9 77.3 115.9
119 148.8 53.0 79.6#



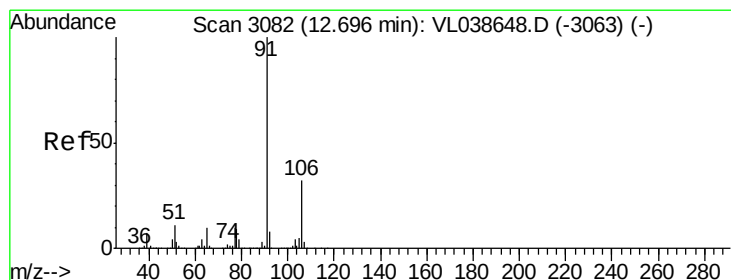
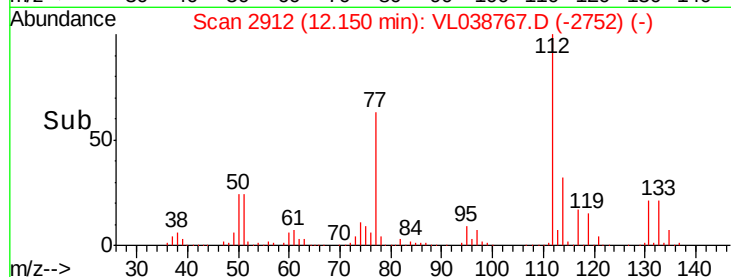
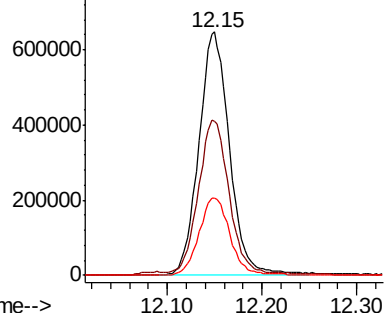


#57
Chlorobenzene
Concen: 7.181 ppbv
RT: 12.15 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010
Acq: 28 Mar 2022 9:25

Tot Ion: 112 Resp: 1457145
Ion Ratio Lower Upper
112 100
77 62.5 51.0 76.6
114 31.6 29.8 36.4

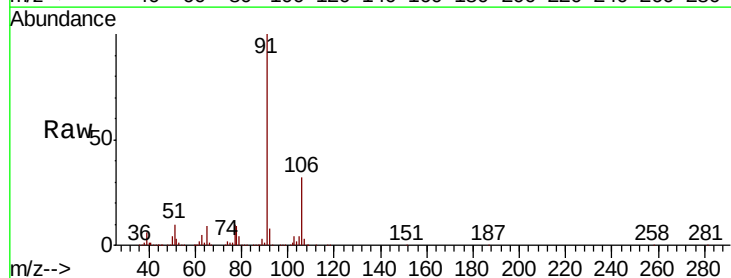


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

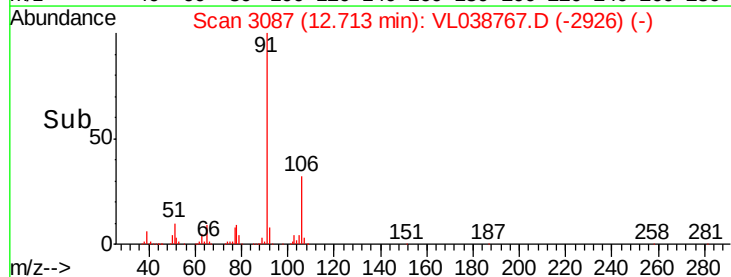
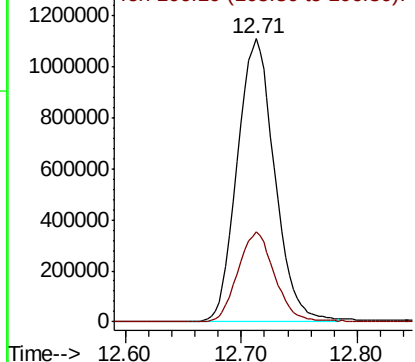


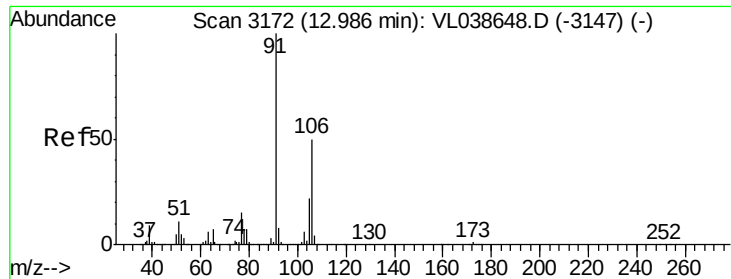
#58
Ethyl Benzene
Concen: 7.566 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. 0.02 min
Lab File: VL038767.D
Acq: 28 Mar 2022 9:25

Tgt Ion: 91 Resp: 2488616
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.0



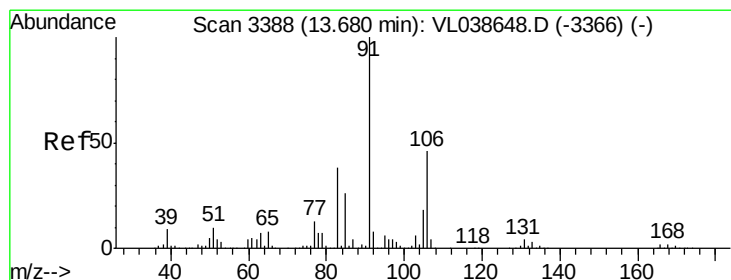
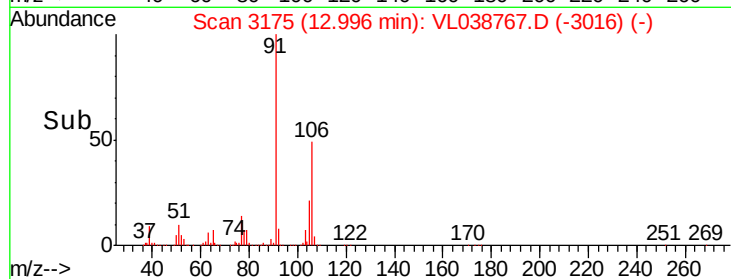
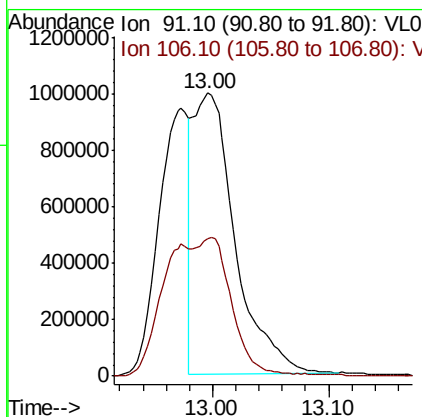
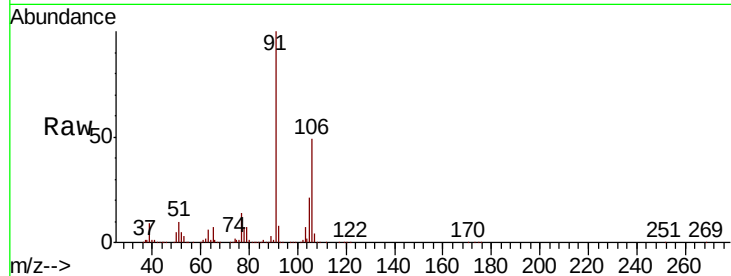
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





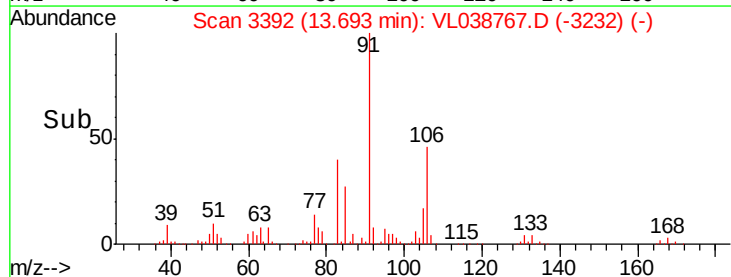
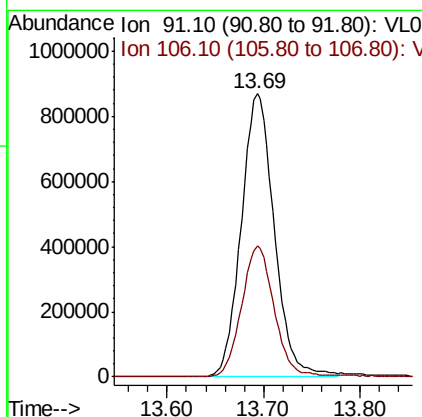
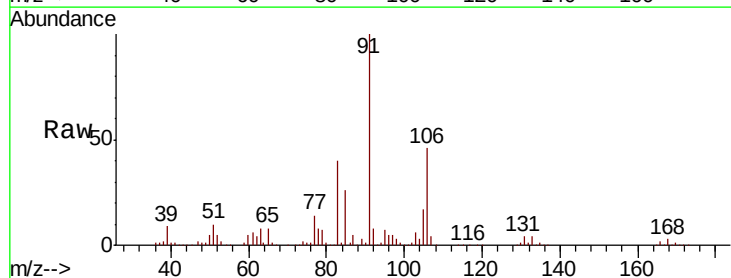
#59
m/p-Xylene
Concen: 8.687 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Mar 2022 9:25

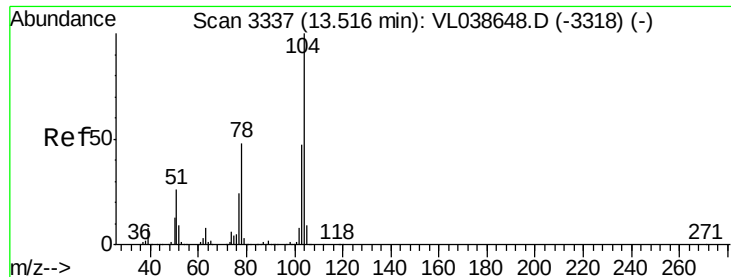
Tot Ion: 91 Resp: 2499349
Ion Ratio Lower Upper
91 100
106 79.0 37.2 55.8#



#60
o-Xylene
Concen: 7.534 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.01 min
Lab File: VL038767.D
Acq: 28 Mar 2022 9:25

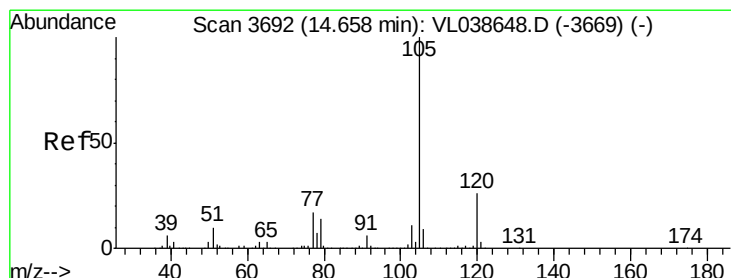
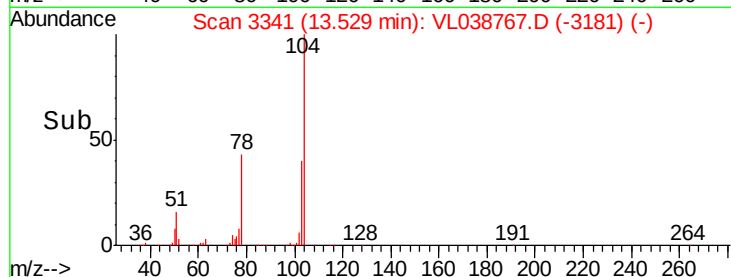
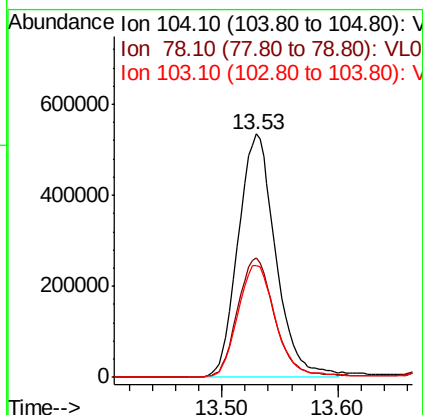
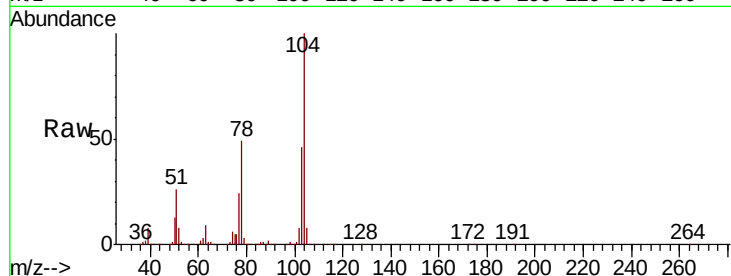
Tgt Ion: 91 Resp: 2058072
Ion Ratio Lower Upper
91 100
106 46.4 23.5 70.5





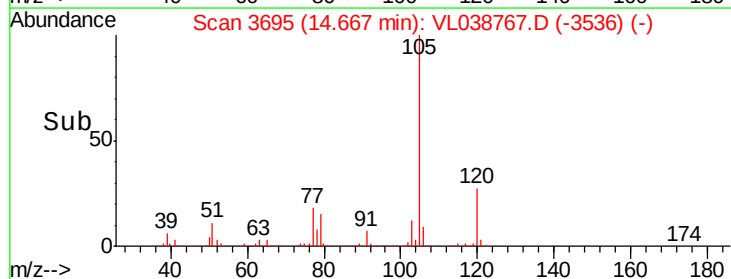
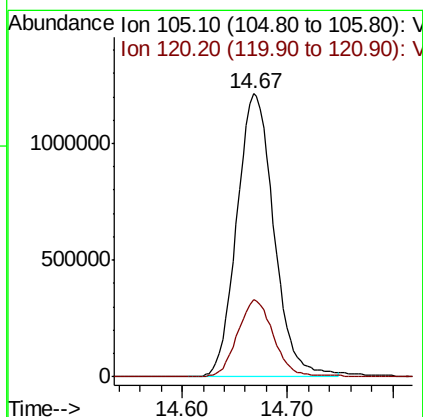
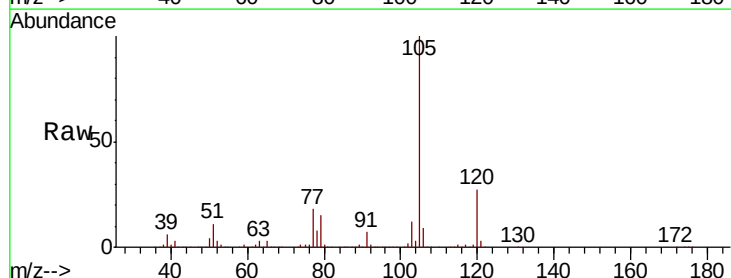
#61
Stvrene
Concen: 8.121 ppbv
RT: 13.53
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 28 Mar 2022 9:25

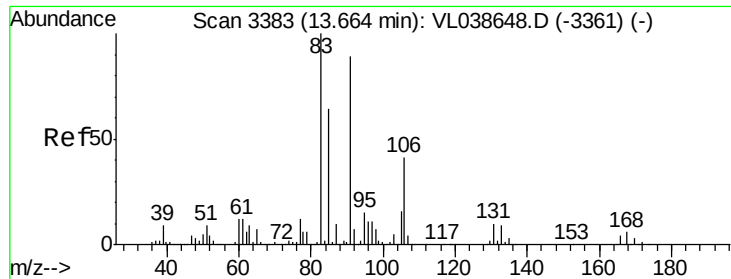
Tot Ion:104 Resp: 1203076
Ion Ratio Lower Upper
104 100
78 49.5 39.0 58.4
103 47.5 37.8 56.8



#62
Isopropylbenzene
Concen: 7.216 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.01 min
Lab File: VL038767.D
Acq: 28 Mar 2022 9:25

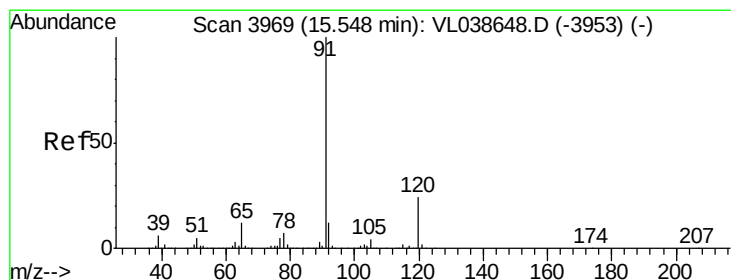
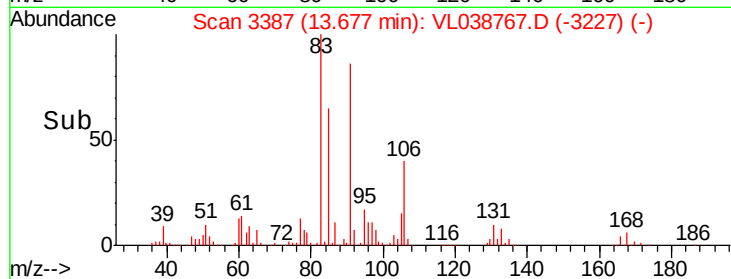
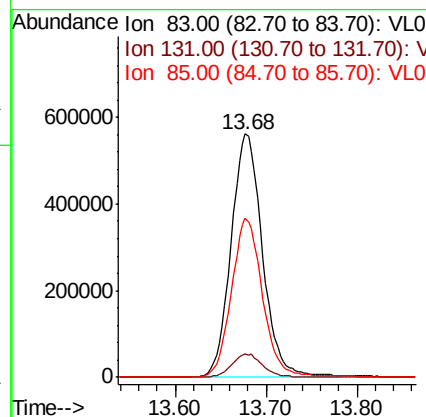
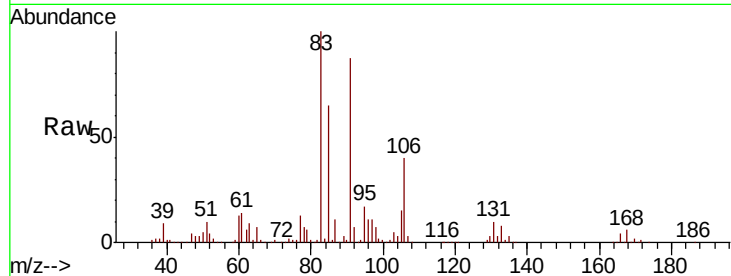
Tgt Ion:105 Resp: 2963671
Ion Ratio Lower Upper
105 100
120 26.8 21.2 31.8





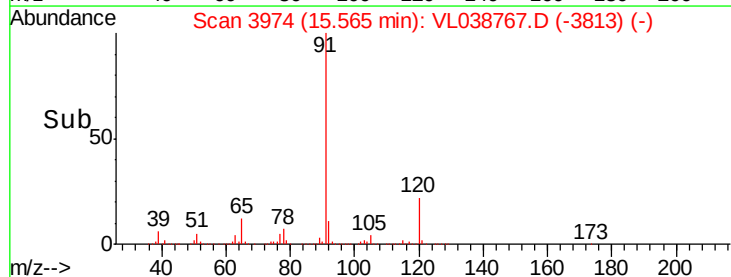
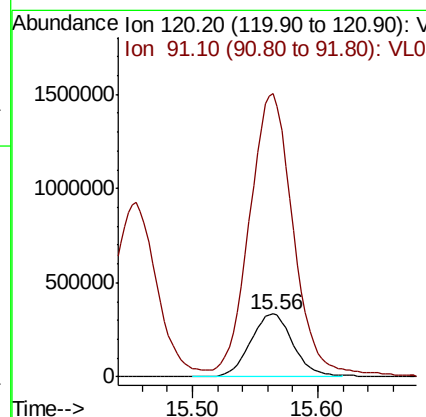
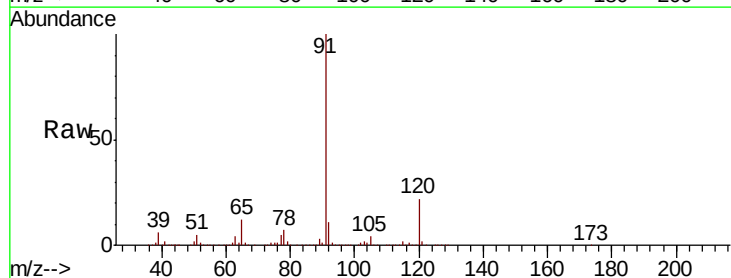
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.368 ppbv
 RT: 13.68 min
 Delta R.T. 0.02 min
 Lab File: VL038648.D
 Acq: 28 Mar 2022 9:25

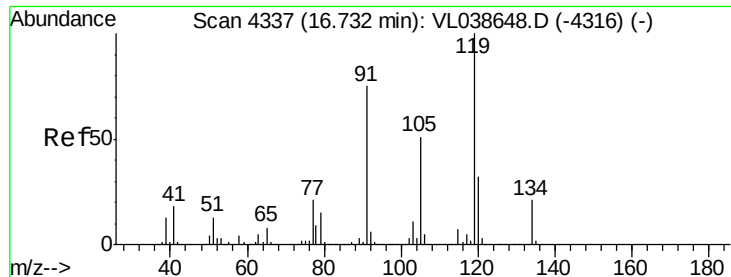
Tot Ion: 83 Resp: 1347615
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.3
 85 65.4 32.6 97.8



#64
 n-propylbenzene
 Concen: 7.303 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.02 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

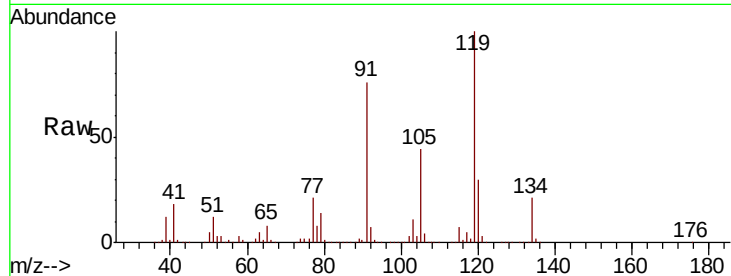
Tgt Ion: 120 Resp: 786958
 Ion Ratio Lower Upper
 120 100
 91 470.6 368.0 552.0



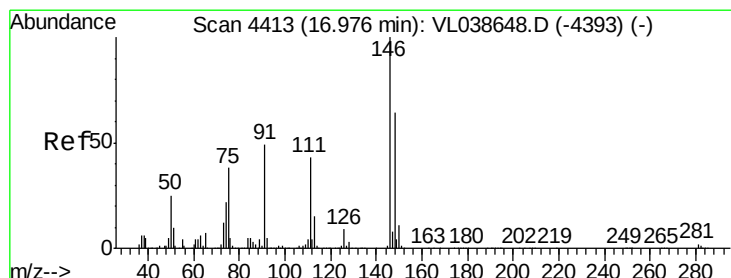
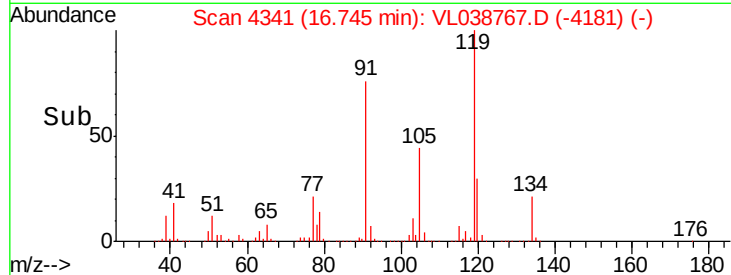
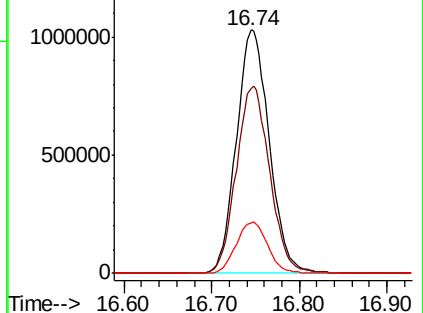


#65
tert-Butylbenzene
Concen: 7.263 ppbv
RT: 16.74 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Mar 2022 9:25

Tot Ion: 119 Resp: 2680240
Ion Ratio Lower Upper
119 100
91 78.5 61.2 91.8
134 20.3 16.3 24.5

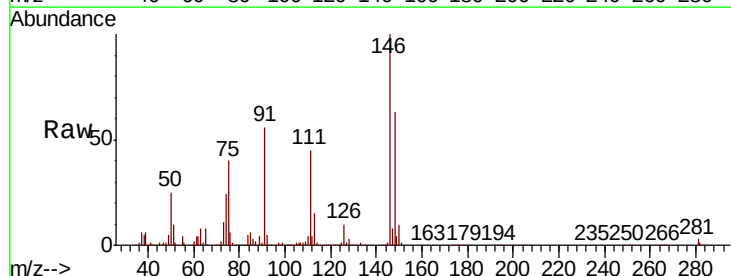


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

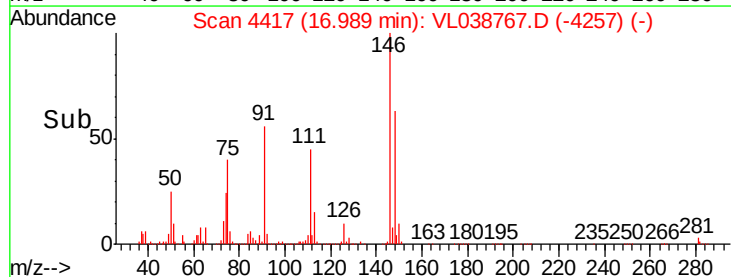
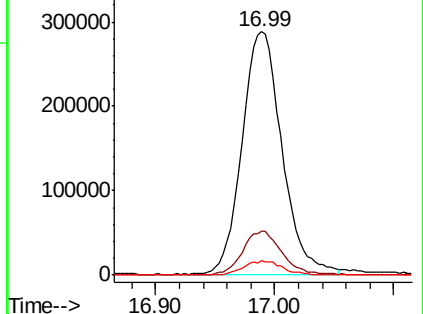


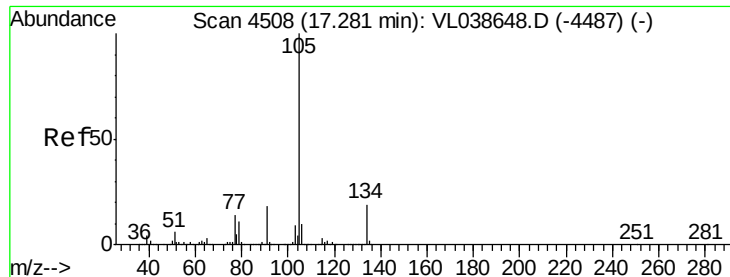
#66
Benzyl Chloride
Concen: 9.530 ppbv
RT: 16.99 min Scan# 4417
Delta R.T.: 0.01 min
Lab File: VL038767.D
Acq: 28 Mar 2022 9:25

Tgt Ion: 91 Resp: 665905
Ion Ratio Lower Upper
91 100
126 18.3 14.3 21.5
128 5.8 4.6 6.8



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: 7.205 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

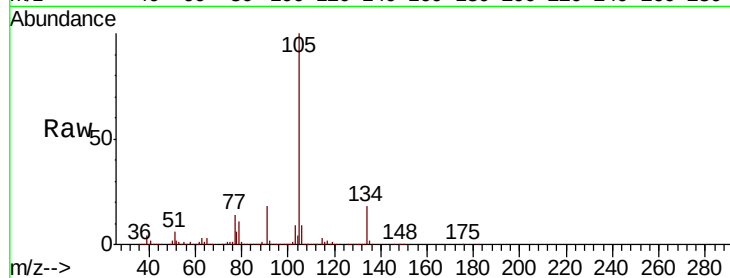
Acq: 28 Mar 2022 9:25

Tot Ion:105 Resp: 3802596

Ion Ratio Lower Upper

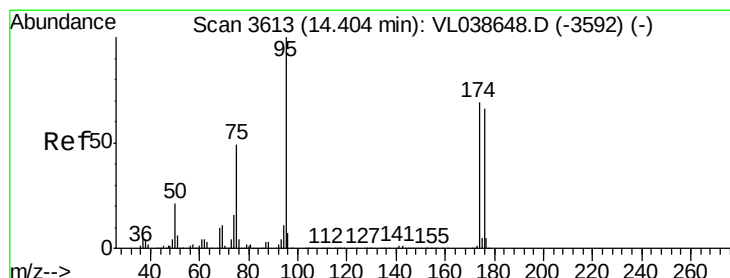
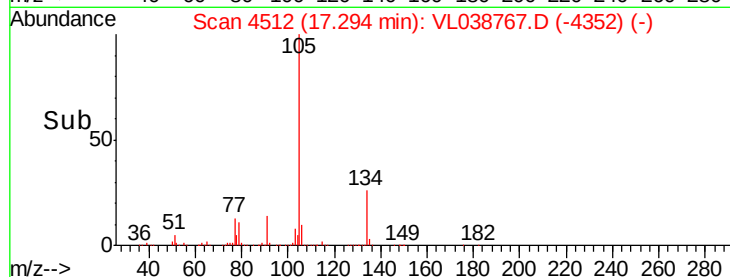
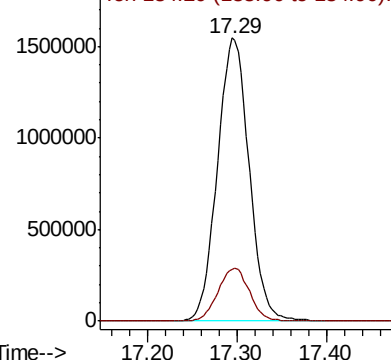
105 100

134 18.8 15.1 22.7



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: 8.383 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.01 min

Lab File: VL038767.D

Acq: 28 Mar 2022 9:25

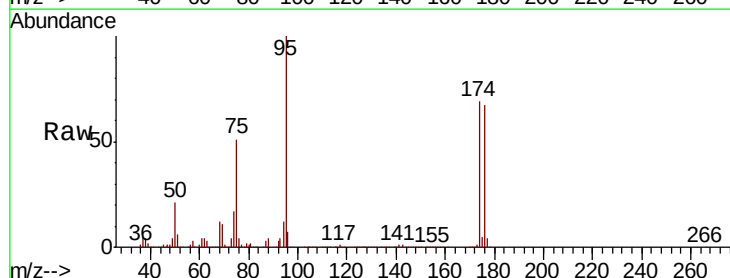
Tgt Ion: 95 Resp: 1808211

Ion Ratio Lower Upper

95 100

174 72.0 56.1 84.1

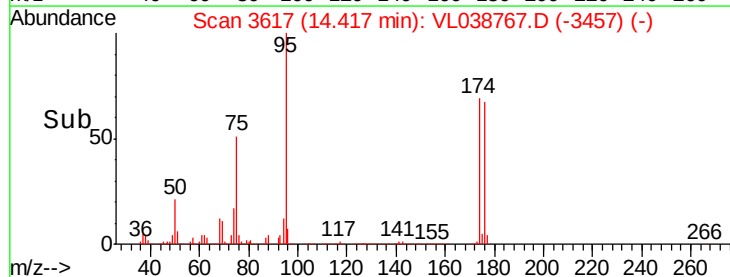
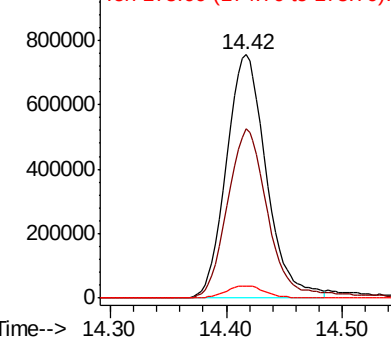
175 5.2 4.2 6.2

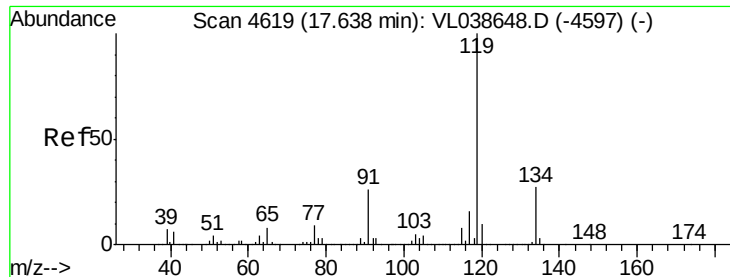


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

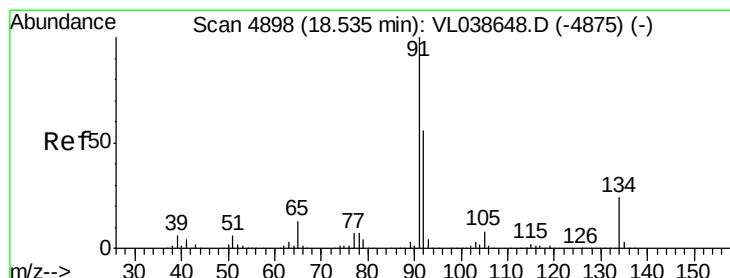
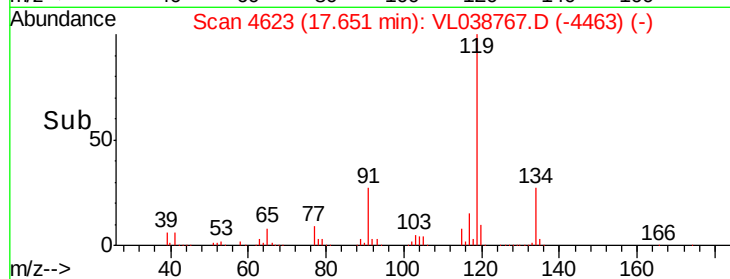
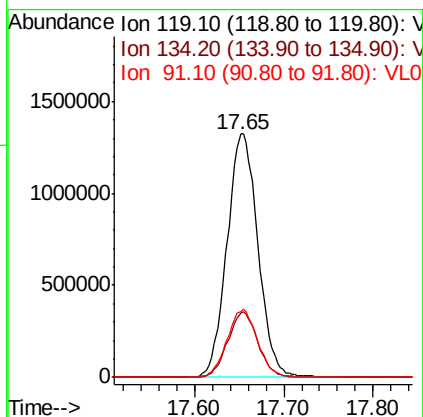
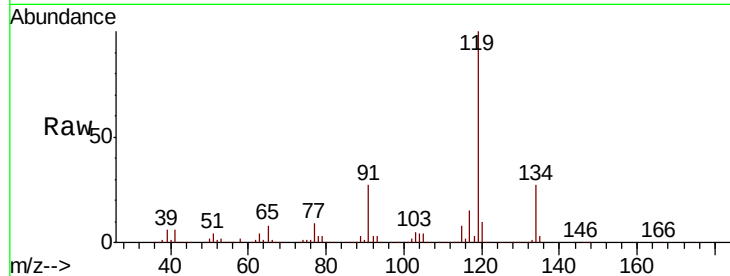
Ion 175.00 (174.70 to 175.70): V





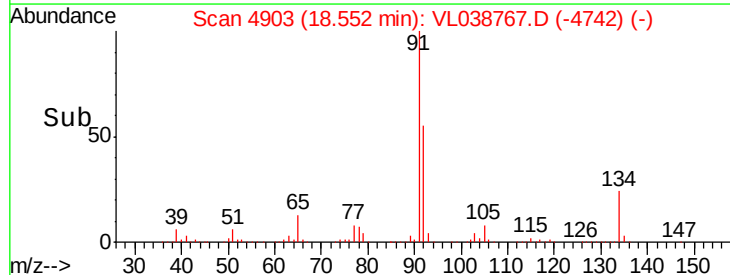
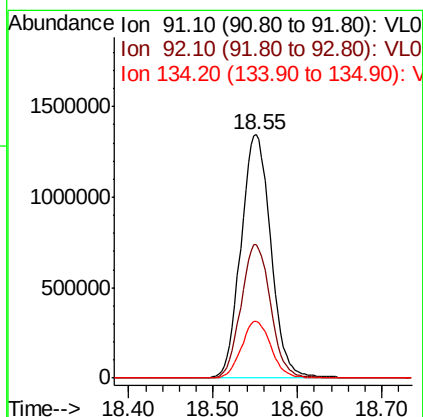
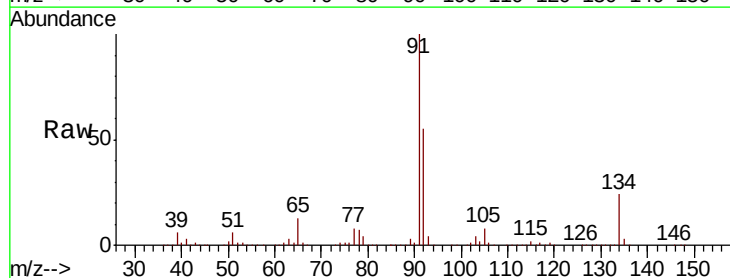
#69
 p-Isopropyltoluene
 Concen: 7.371 ppbv
 RT: 17.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 28 Mar 2022 9:25

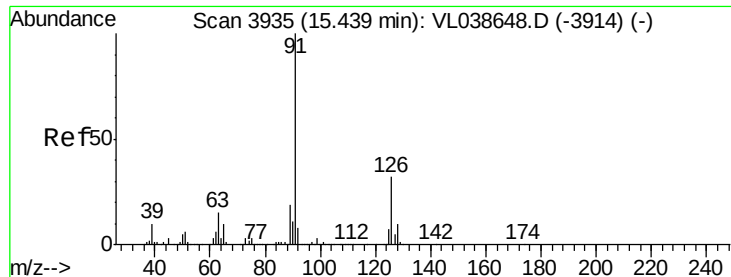
Tot Ion: 119 Resp: 3174941
 Ion Ratio Lower Upper
 119 100
 134 26.4 21.2 31.8
 91 27.4 21.4 32.2



#70
 n-Butylbenzene
 Concen: 7.486 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.02 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

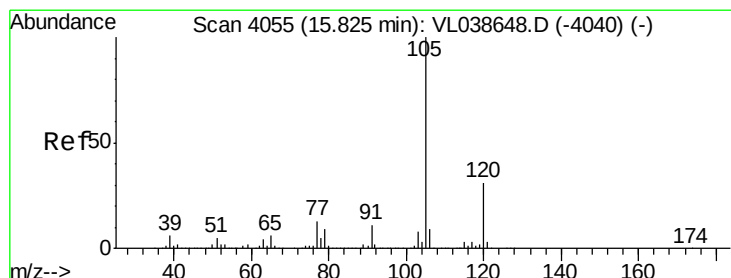
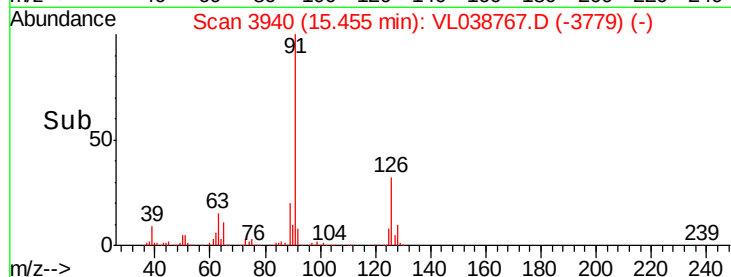
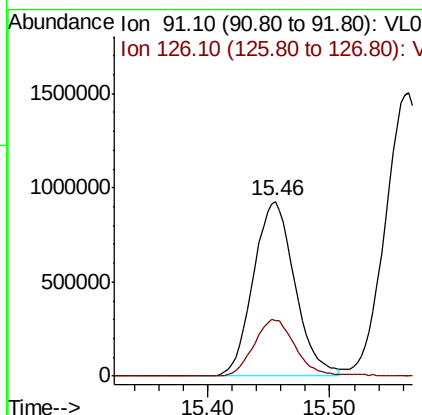
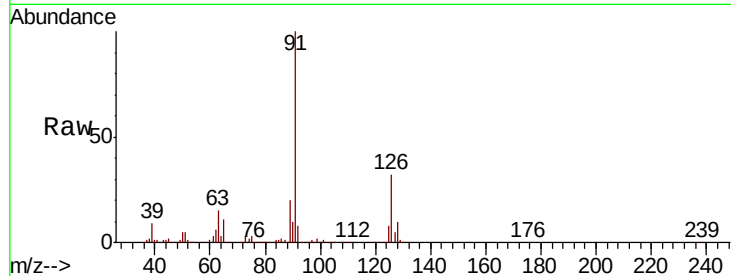
Tgt Ion: 91 Resp: 3325897
 Ion Ratio Lower Upper
 91 100
 92 54.7 43.9 65.9
 134 23.1 18.7 28.1





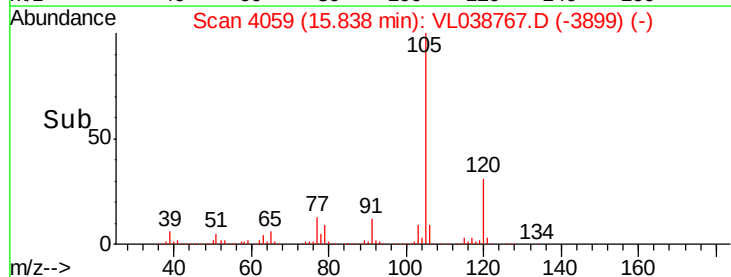
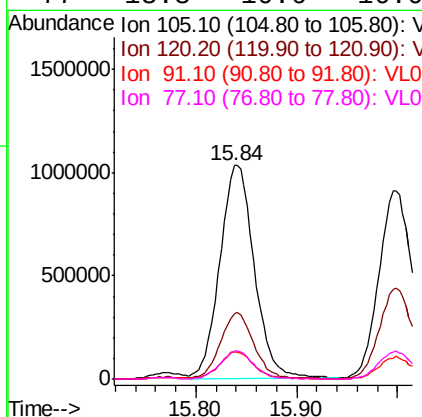
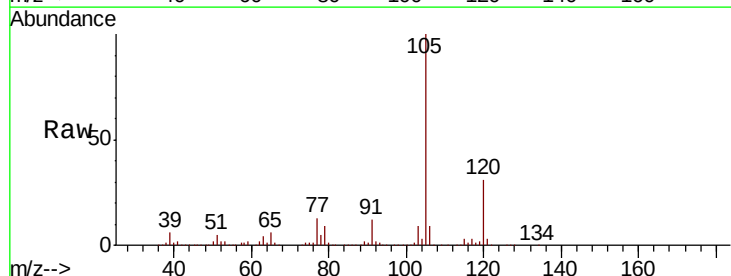
#71
 2-Chlorotoluene
 Concen: 7.164 ppbv
 RT: 15.46 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 28 Mar 2022 9:25

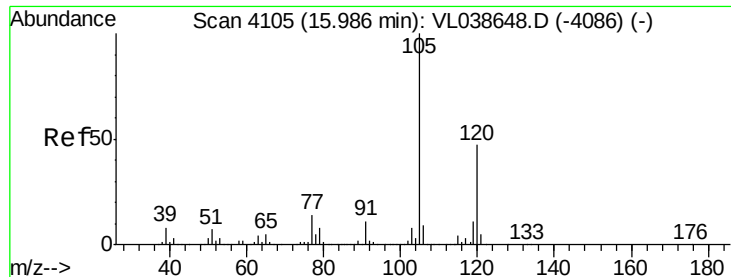
Tot Ion: 91 Resp: 2183663
 Ion Ratio Lower Upper
 91 100
 126 33.3 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 7.569 ppbv
 RT: 15.84 min Scan# 4059
 Delta R.T. 0.01 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

Tgt Ion:105 Resp: 2440895
 Ion Ratio Lower Upper
 105 100
 120 30.7 24.9 37.3
 91 12.3 9.8 14.6
 77 13.3 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 7.247 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

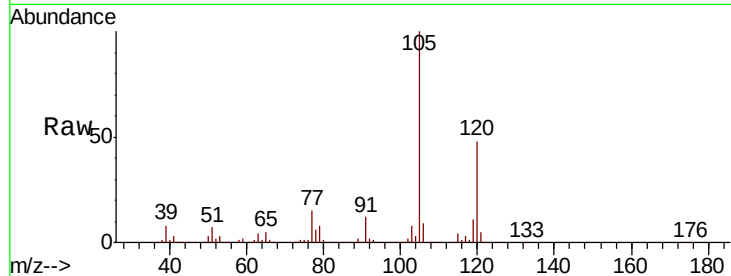
Acq: 28 Mar 2022 9:25

Tot Ion:105 Resp: 2129710

Ion Ratio Lower Upper

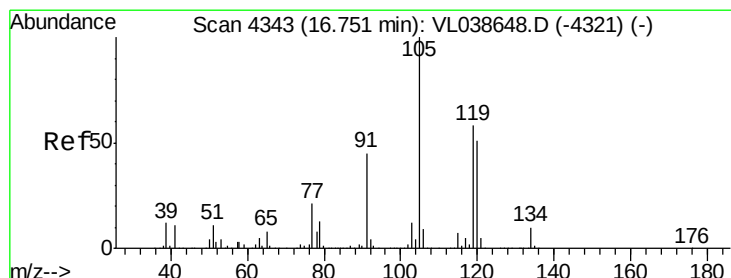
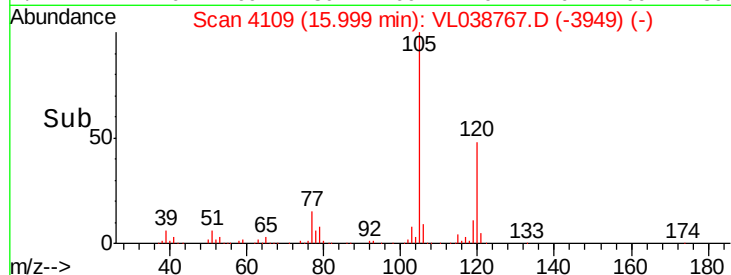
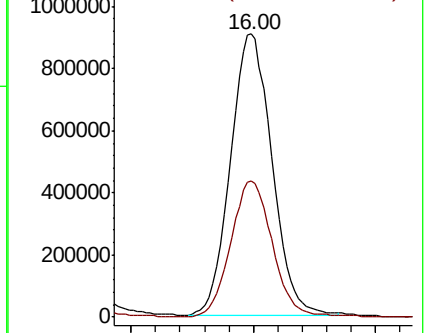
105 100

120 48.2 37.6 56.4



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: 7.339 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL038767.D

Acq: 28 Mar 2022 9:25

Tgt Ion:105 Resp: 2348999

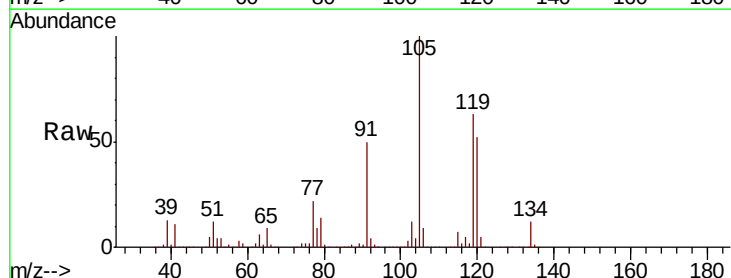
Ion Ratio Lower Upper

105 100

120 52.2 40.5 60.7

91 49.7 35.9 53.9

77 21.8 16.6 25.0

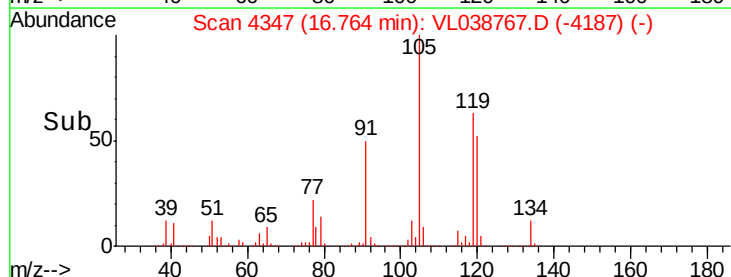
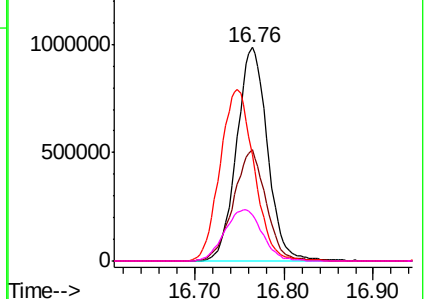


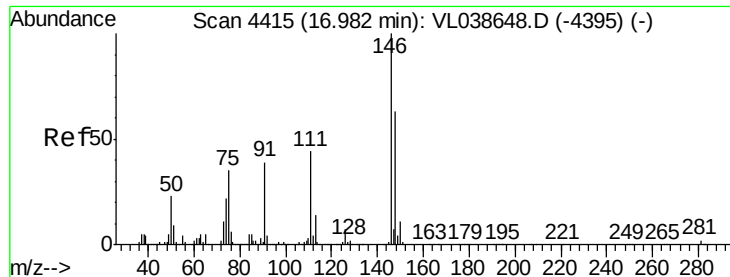
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

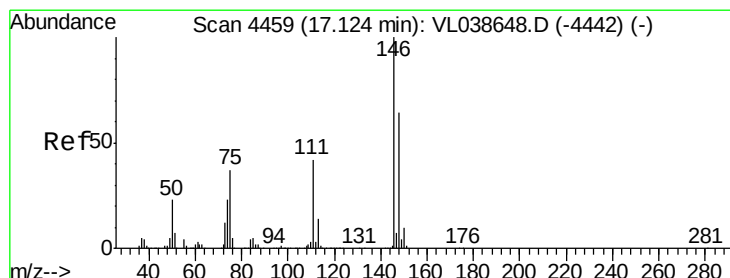
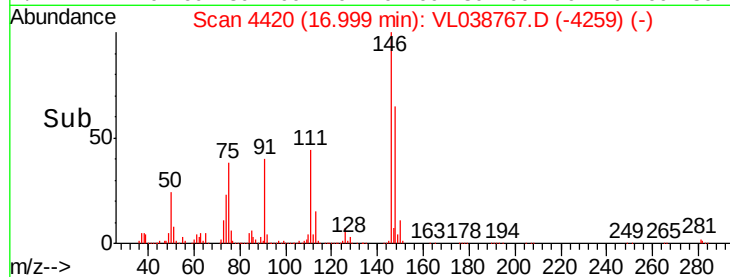
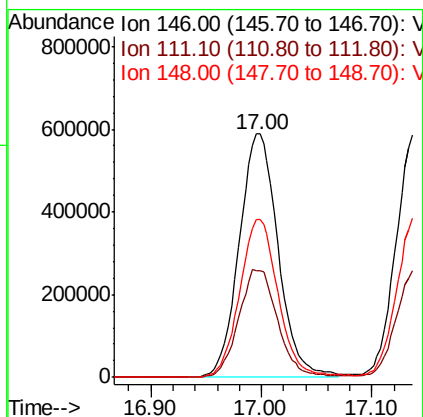
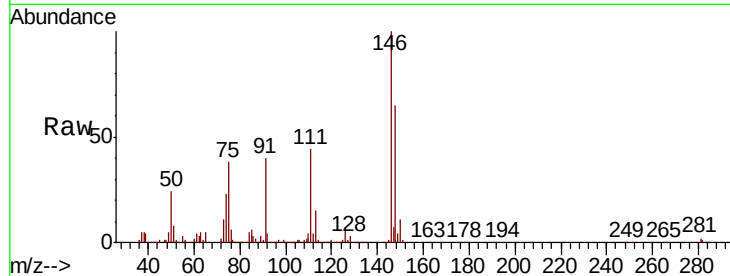




#75
 1,3-Dichlorobenzene
 Concen: 7.042 ppbv
 RT: 17.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 28 Mar 2022 9:25

Tot Ion:146 Resp: 1435658

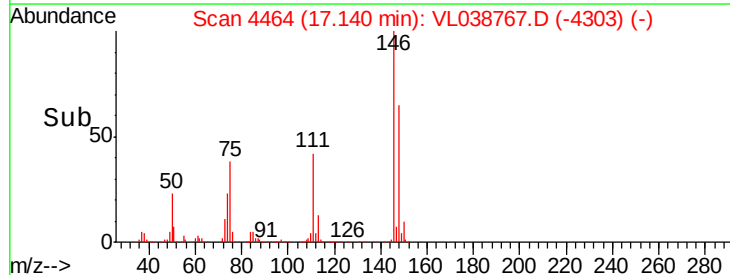
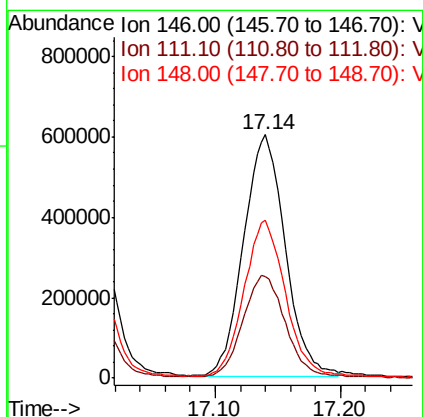
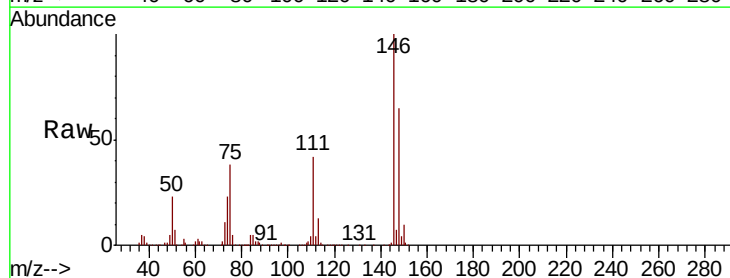
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	64.6	32.5	97.5

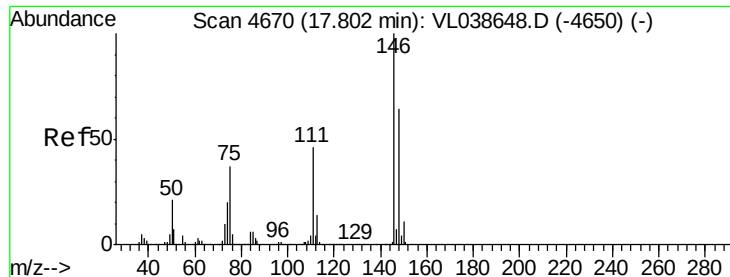


#76
 1,4-Dichlorobenzene
 Concen: 6.861 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.02 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

Tgt Ion:146 Resp: 1391121

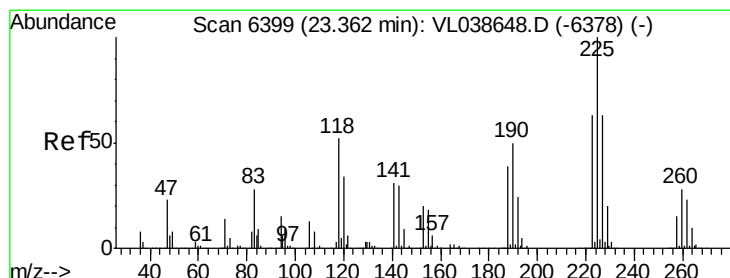
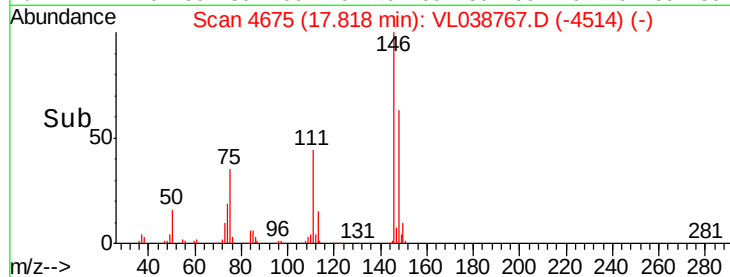
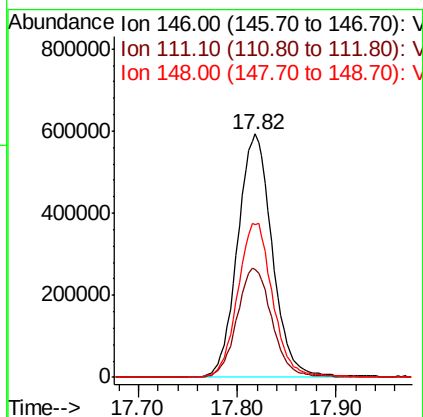
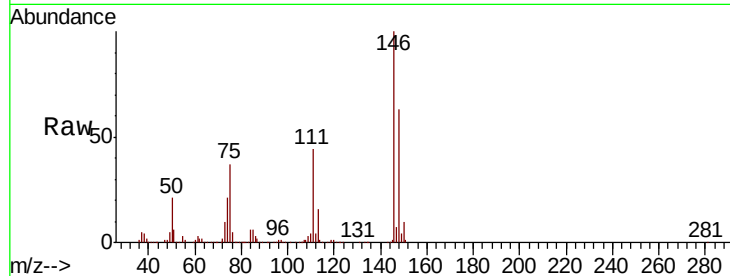
Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.4	64.2
148	66.8	32.1	96.3





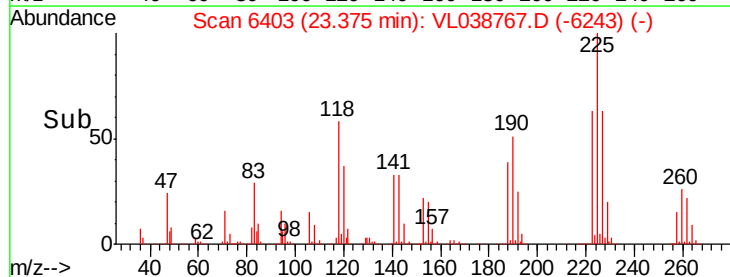
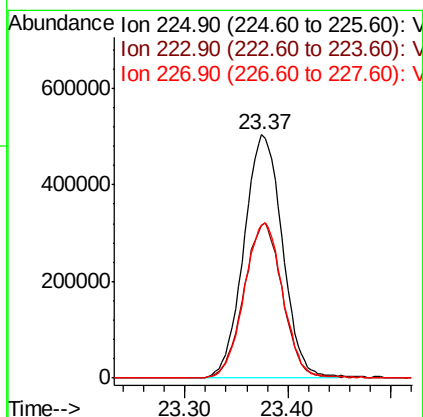
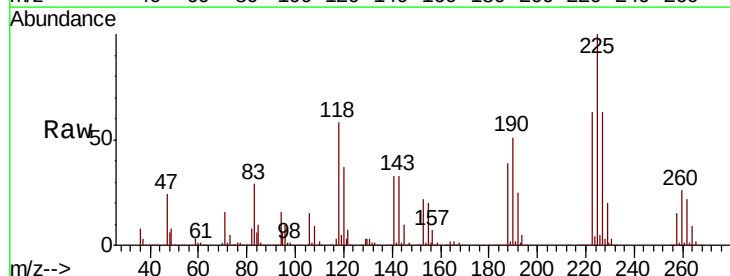
#77
 1,2-Dichlorobenzene
 Concen: 7.088 ppbv
 RT: 17.82 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 28 Mar 2022 9:25

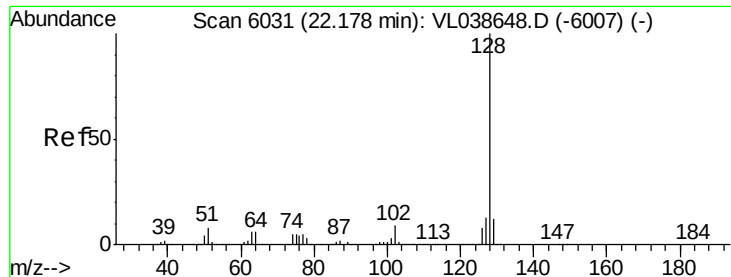
Tot Ion:146 Resp: 1431453
 Ion Ratio Lower Upper
 146 100
 111 46.0 22.8 68.4
 148 64.5 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.003 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T.: 0.01 min
 Lab File: VL038767.D
 Acq: 28 Mar 2022 9:25

Tgt Ion:225 Resp: 1307127
 Ion Ratio Lower Upper
 225 100
 223 64.0 51.0 76.6
 227 64.6 51.5 77.3

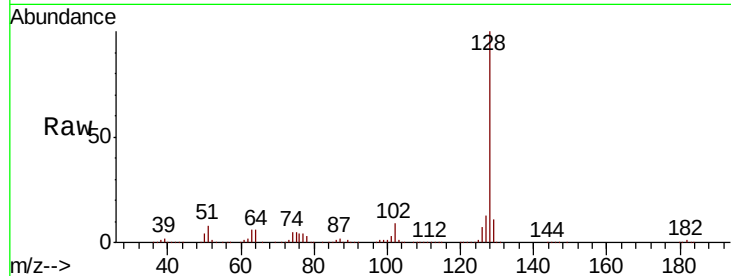




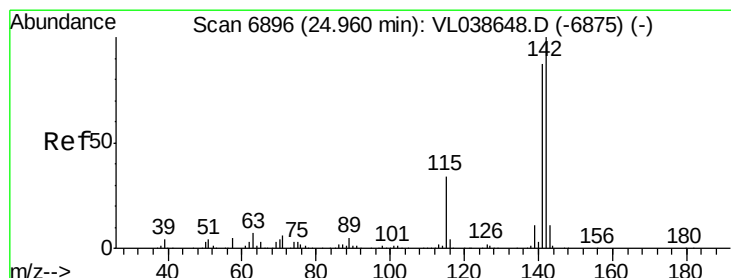
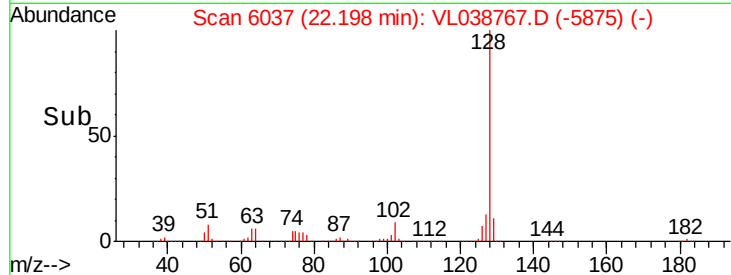
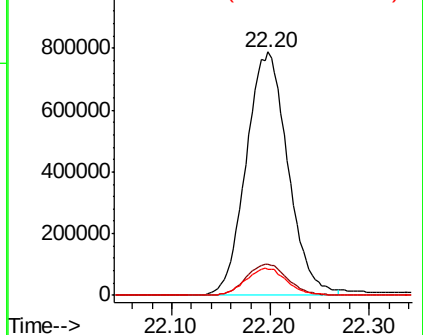
#79
Naphthalene
Concen: 9.424 ppbv
RT: 22.20 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Mar 2022 9:25

Tot Ion:128 Resp: 2304439

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	9.2	13.8



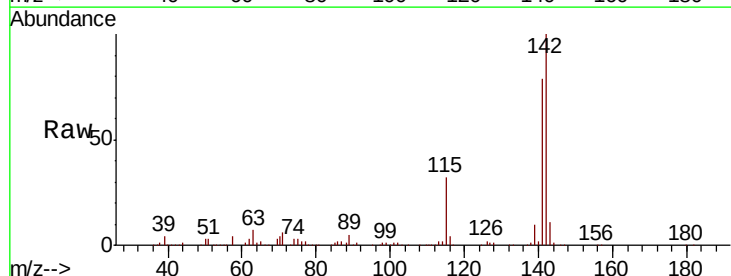
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



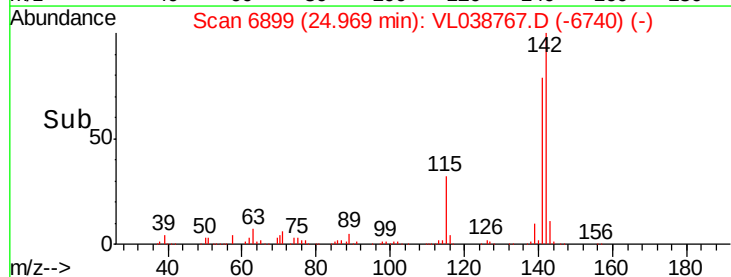
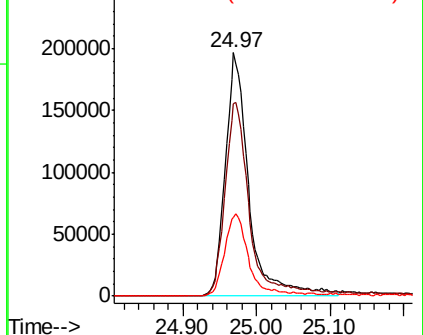
#80
Naphthalene, 2-methyl-
Concen: 6.676 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.01 min
Lab File: VL038767.D
Acq: 28 Mar 2022 9:25

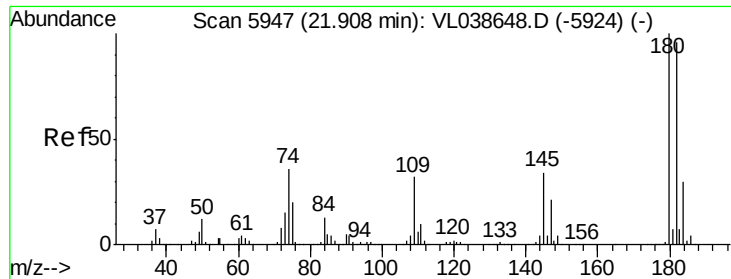
Tgt Ion:142 Resp: 437760

Ion	Ratio	Lower	Upper
142	100		
141	85.6	66.4	99.6
115	35.4	27.8	41.6



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: 8.104 ppbv

RT: 21.92

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Mar 2022 9:25

Tot Ion:180 Resp: 1356595

Ion Ratio Lower Upper

180 100

182 97.0 79.2 118.8

184 30.7 24.8 37.2

