

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038145.D
 Acq On : 7 Dec 2021 11:34
 Operator : SY/AP
 Sample : VL1207ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Quant Time: Dec 07 14:14:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	872314	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2482864	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2384893	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1807294	10.51	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1091309	7.574	ppbv 100
3) Chlorodifluoromethane	2.99	51	1968073	10.743	ppbv 97
4) Chloromethane	3.14	50	681650	10.931	ppbv 98
5) Vinyl Chloride	3.26	62	685912	11.212	ppbv 99
6) Bromomethane	3.47	94	373091	11.384	ppbv 99
7) Chloroethane	3.56	64	225689	10.395	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	1563227	10.906	ppbv 95
9) Propene	3.01	41	672034	9.961	ppbv 97
10) Heptane	8.11	43	1711006	10.261	ppbv 100
11) Trichlorofluoromethane	3.95	101	1623320	11.846	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1162278	11.990	ppbv 96
13) Ethanol	3.60	45	56441	8.657	ppbv 96
14) Bromoethene	3.74	108	493138	11.361	ppbv 98
15) Acetone	3.85	43	812832	10.747	ppbv 97
16) 1,3-Butadiene	3.33	39	638877	10.828	ppbv 99
17) tert-Butyl alcohol	4.28	59	940930	10.256	ppbv 100
18) 1,1-Dichloroethene	4.29	96	518278	11.655	ppbv 98
19) Isopropyl Alcohol	3.96	45	533123	9.756	ppbv # 99
20) Methylene Chloride	4.34	84	470235	11.100	ppbv 98
21) Allyl Chloride	4.41	41	789094	11.272	ppbv 100
22) trans-1,2-Dichloroethene	4.88	96	552975	12.277	ppbv 97
23) Vinyl Acetate	5.07	43	1298699	11.862	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1077328	11.817	ppbv 98
25) Ethyl Acetate	5.67	43	2621021	10.427	ppbv 99
26) Hexane	5.68	57	1234808	10.192	ppbv 98
27) Carbon Disulfide	4.55	76	1240431	11.430	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1168212	11.351	ppbv 100
29) Chloroform	5.75	83	1956835	10.959	ppbv 100
30) Cyclohexane	7.12	84	1063276	9.667	ppbv 95
31) cis-1,2-Dichloroethene	5.54	61	1216964	10.559	ppbv 94
32) 1,1,1-Trichloroethane	6.50	97	1967349	10.856	ppbv 98
34) 2-Butanone	5.24	43	870898	8.699	ppbv 97
35) Carbon Tetrachloride	7.01	117	2006988	11.505	ppbv 97
36) Benzene	6.88	78	2654890	10.719	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1526596	12.762	ppbv 96
38) Trichloroethene	7.83	130	925636	9.908	ppbv 95
39) 1,2-Dichloropropane	7.60	63	1038736	10.933	ppbv 95
40) 1,4-Dioxane	7.83	88	259188	10.471	ppbv # 1
41) Tetrahydrofuran	6.04	42	651354	10.481	ppbv 99
42) Bromodichloromethane	7.78	83	2147599	11.810	ppbv 97
43) Methyl Methacrylate	8.00	69	989306	11.676	ppbv 97

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 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

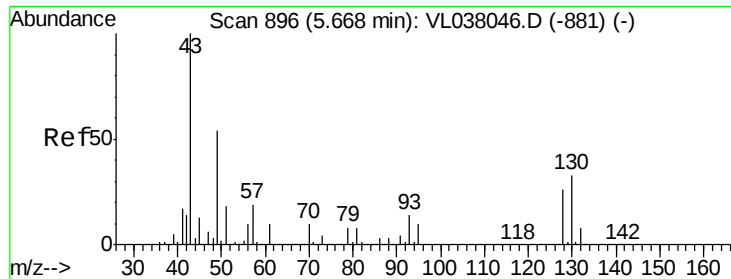
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Quant Time: Dec 07 14:14:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.86	57	4320653	10.427	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	879005	12.933	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1124206	12.229	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1056824	10.621	ppbv	94
48) Dibromochloromethane	10.29	129	1706277	11.260	ppbv	97
49) Bromoform	13.03	173	1258454	11.609	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	1771970	11.654	ppbv	98
51) 2-Hexanone	10.12	43	825964	11.547	ppbv #	96
52) Tetrachloroethene	11.21	164	859358	9.377	ppbv	97
53) Toluene	9.79	91	2969556	10.421	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1532738	10.905	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1108649	10.240	ppbv	97
57) Chlorobenzene	12.13	112	2086881	9.763	ppbv	95
58) Ethyl Benzene	12.69	91	3939826	9.995	ppbv	98
59) m/p-Xylene	12.98	91	3333580	10.046	ppbv #	42
60) o-Xylene	13.68	91	2934655	9.534	ppbv	98
61) Styrene	13.51	104	1637379	9.922	ppbv	96
62) Isopropylbenzene	14.65	105	4070021	9.315	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2139394	9.357	ppbv	99
64) n-propylbenzene	15.55	120	1039903	9.342	ppbv	89
65) tert-Butylbenzene	16.73	119	3430446	8.911	ppbv	96
66) Benzyl Chloride	16.97	91	163074	8.359	ppbv	96
67) sec-Butylbenzene	17.28	105	4896364	9.128	ppbv	99
69) p-Isopropyltoluene	17.64	119	3906559	9.310	ppbv	98
70) n-Butylbenzene	18.54	91	3903168	9.729	ppbv	99
71) 2-Chlorotoluene	15.44	91	3077604	9.634	ppbv	98
72) 4-Ethyltoluene	15.82	105	3504076	9.818	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	3136614	9.623	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3151177	9.381	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	1721014	9.328	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	1659305	8.937	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1638612	9.173	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	910999	8.168	ppbv	98
79) Naphthalene	22.18	128	1707918	9.655	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	291510	7.690	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	929806	9.147	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1207ABS01

Acq: 7 Dec 2021 11:34

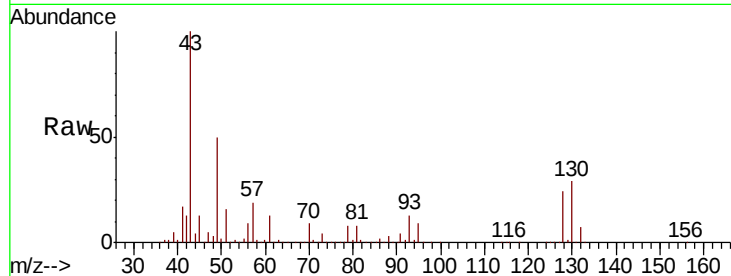
Tot Ion: 49 Resp: 872314

Ion Ratio Lower Upper

49 100

128 51.4 26.5 79.5

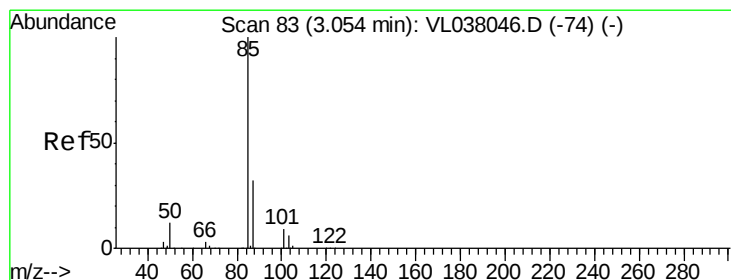
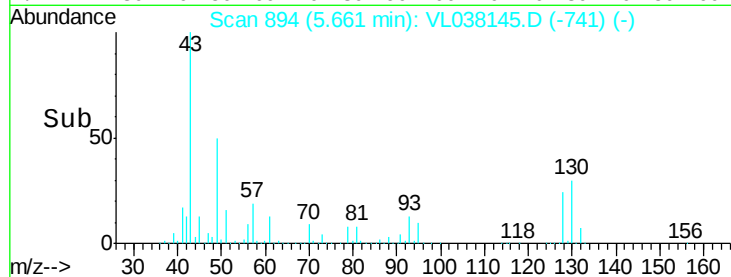
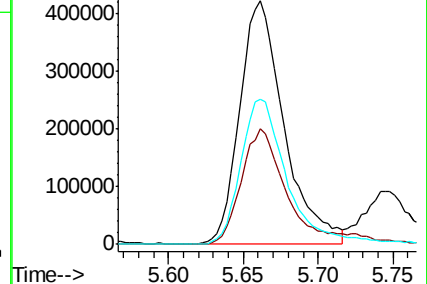
130 62.3 32.5 97.4



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: 7.574 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038145.D

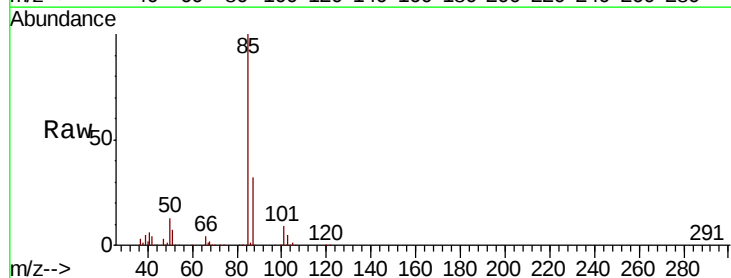
Acq: 7 Dec 2021 11:34

Tgt Ion: 85 Resp: 1091309

Ion Ratio Lower Upper

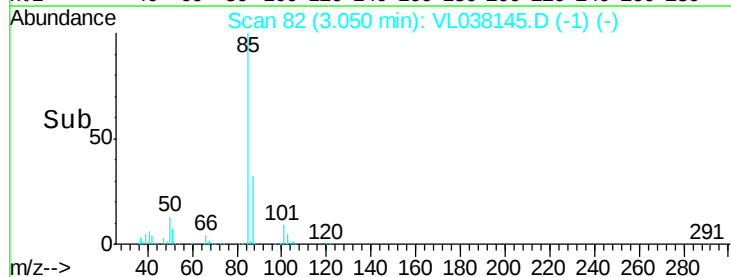
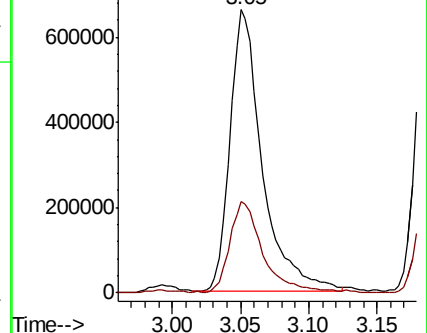
85 100

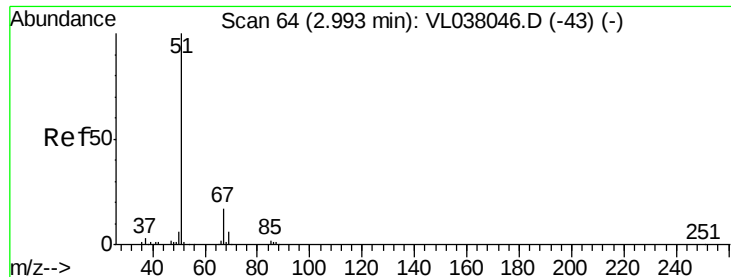
87 32.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

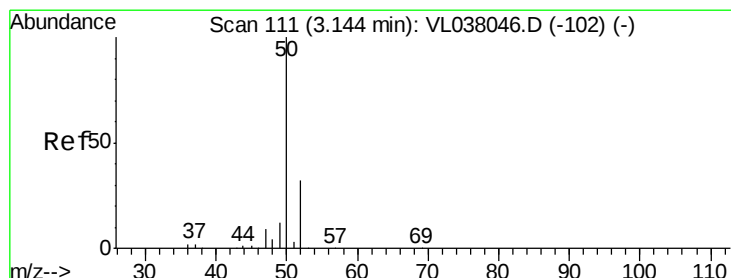
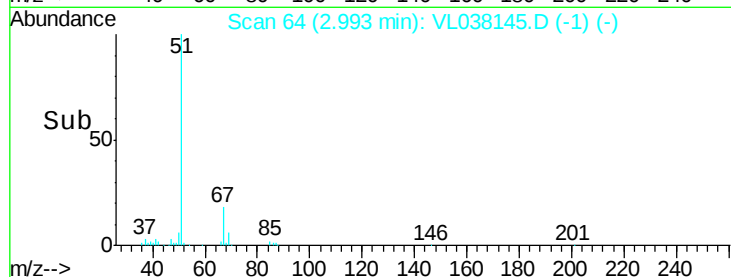
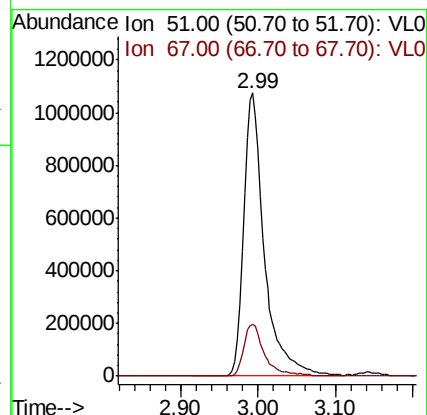
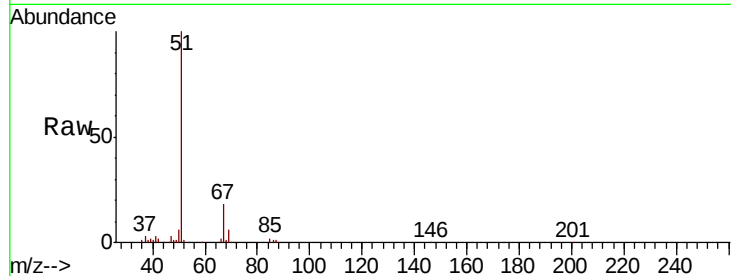
Ion 87.00 (86.70 to 87.70): VL0





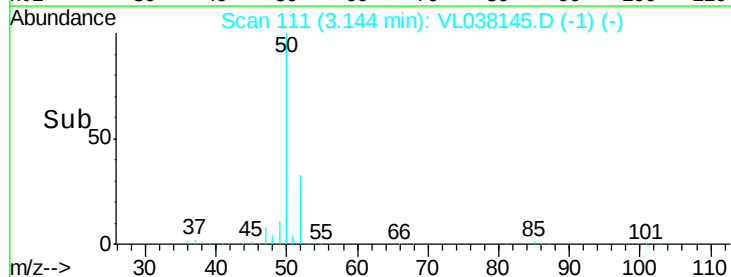
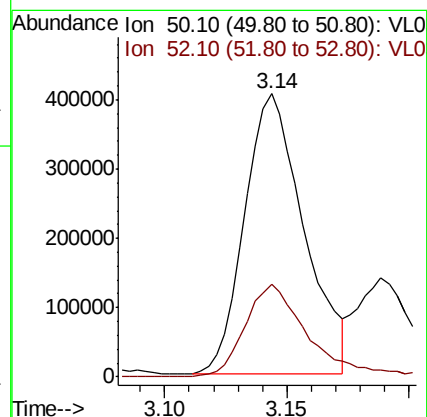
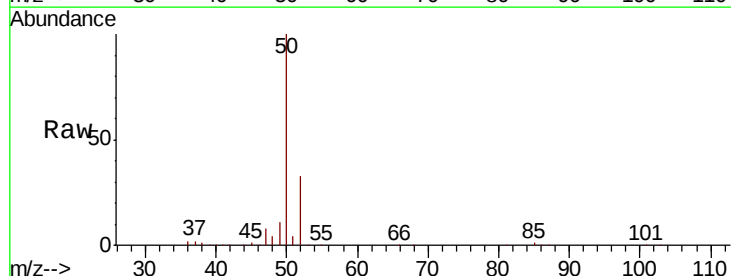
#3
 Chlorodifluoromethane
 Concen: 10.743 ppbv
 RT: 2.99
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1207ABS01
 Acq: 7 Dec 2021 11:34

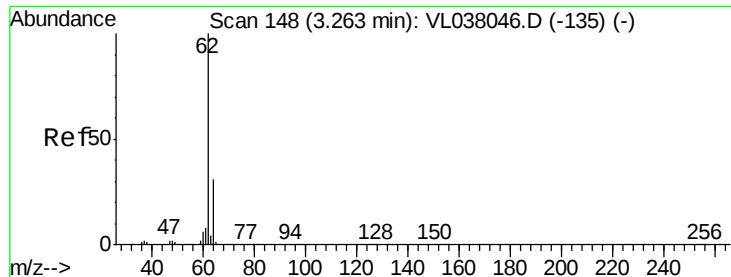
Tot Ion: 51 Resp: 1968073
 Ion Ratio Lower Upper
 51 100
 67 18.5 13.8 20.8



#4
 Chloromethane
 Concen: 10.931 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T.: -0.00 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

Tgt Ion: 50 Resp: 681650
 Ion Ratio Lower Upper
 50 100
 52 33.0 25.4 38.0





#5

Vinyl Chloride

Concen: 11.212 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

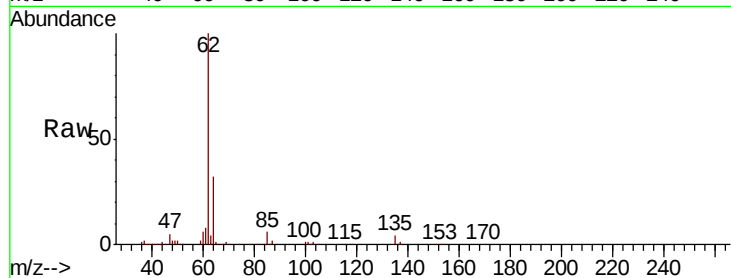
Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion: 62 Resp: 685912

Ion Ratio Lower Upper

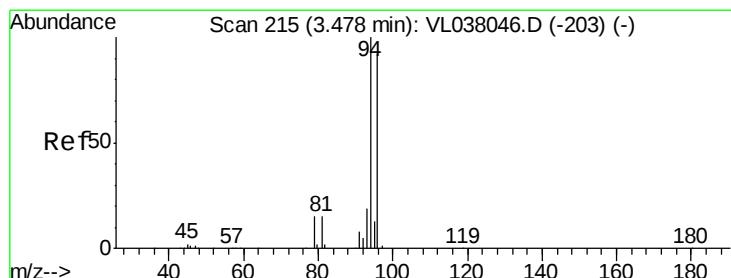
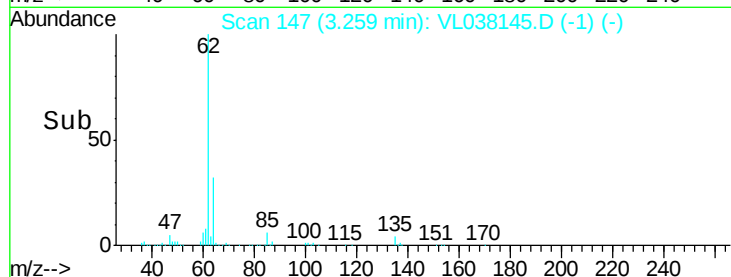
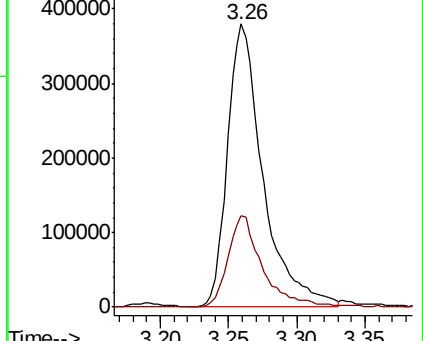
62 100

64 32.2 25.1 37.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 11.384 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL038145.D

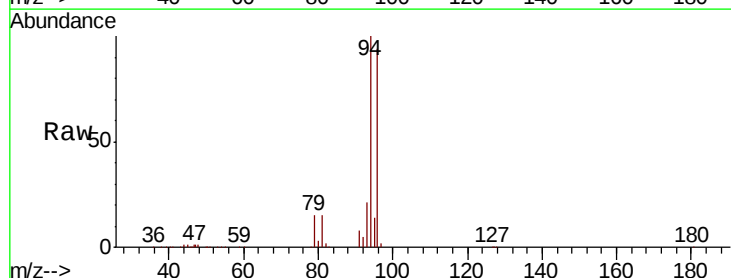
Acq: 7 Dec 2021 11:34

Tgt Ion: 94 Resp: 373091

Ion Ratio Lower Upper

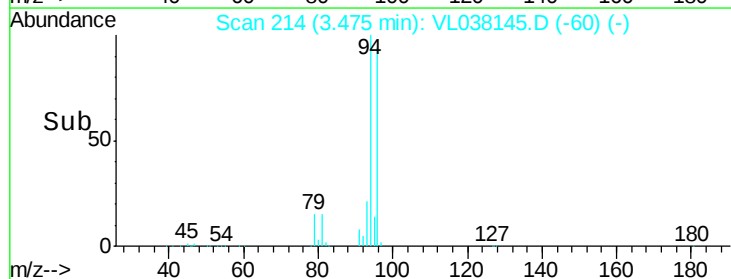
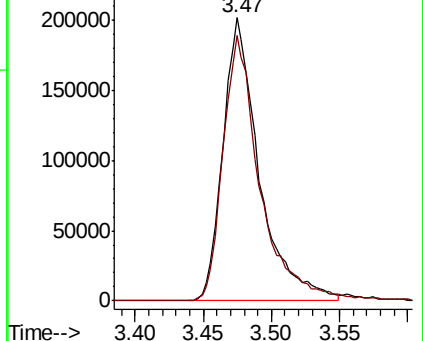
94 100

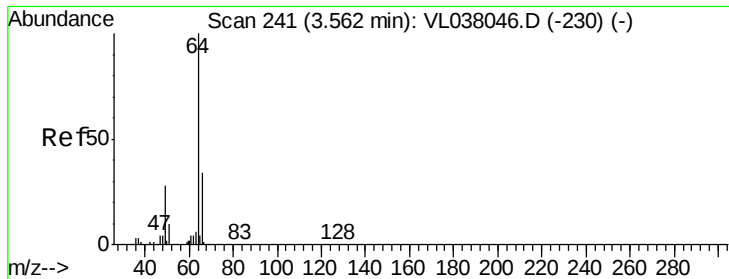
96 93.8 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.395 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

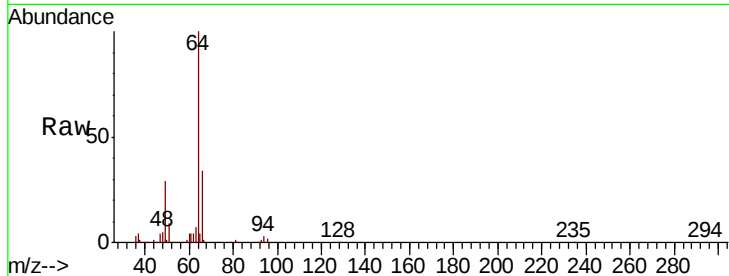
Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion: 64 Resp: 225689

Ion Ratio Lower Upper

64 100

66 34.1 27.2 40.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

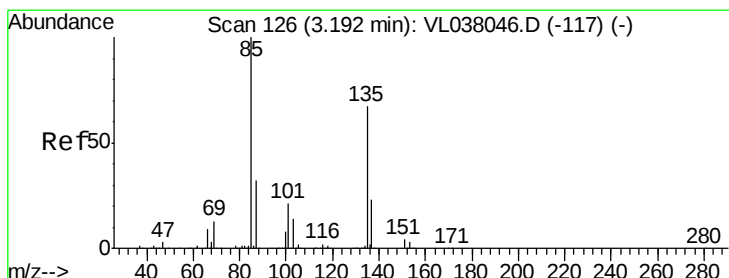
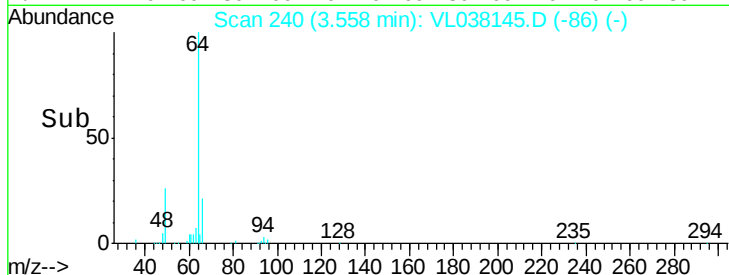
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.906 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL038145.D

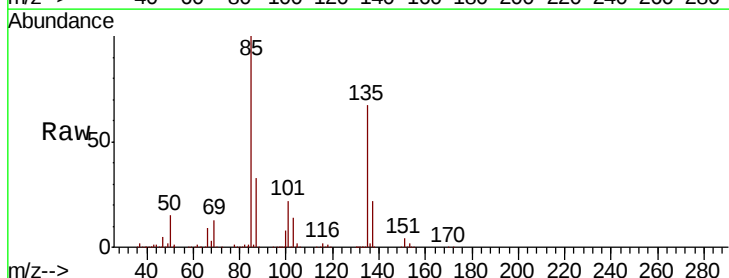
Acq: 7 Dec 2021 11:34

Tgt Ion: 85 Resp: 1563227

Ion Ratio Lower Upper

85 100

135 67.8 57.9 86.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

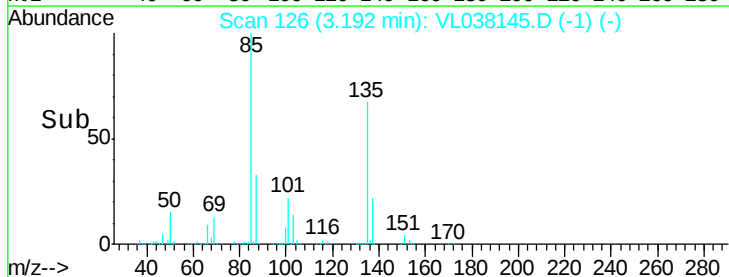
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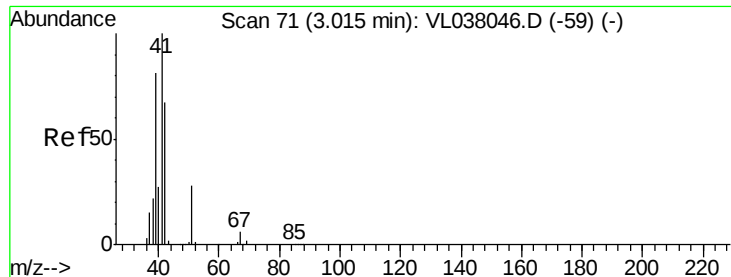
200000

0

3.10 3.15 3.20 3.25 3.30

Time-->





#9

Propene

Concen: 9.961 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

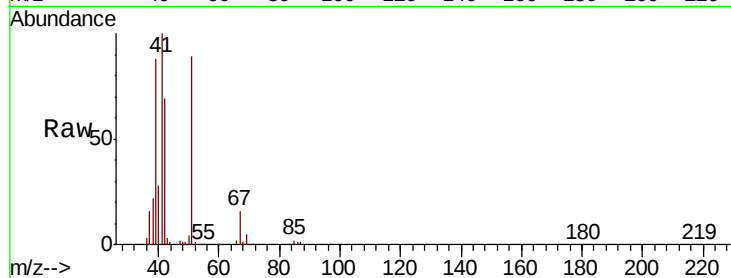
Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion: 41 Resp: 672034

Ion Ratio Lower Upper

41 100

42 69.3 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.01

400000

300000

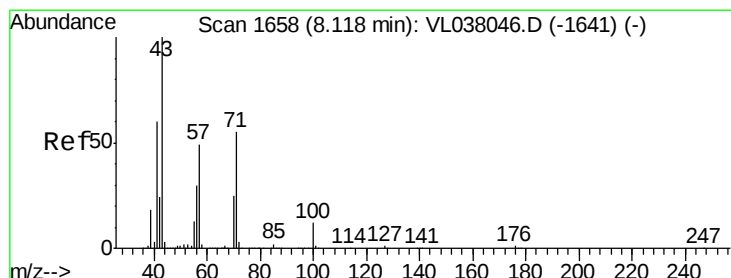
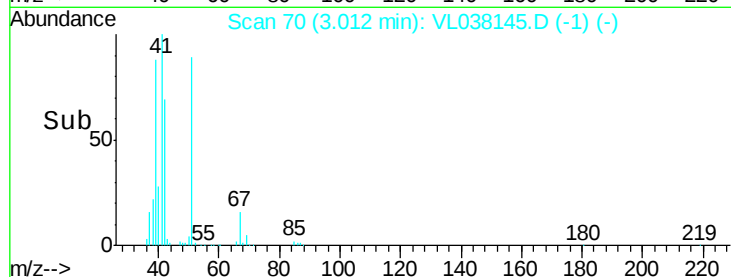
200000

100000

0

Time-->

2.95 3.00 3.05 3.10



#10

Heptane

Concen: 10.261 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VL038145.D

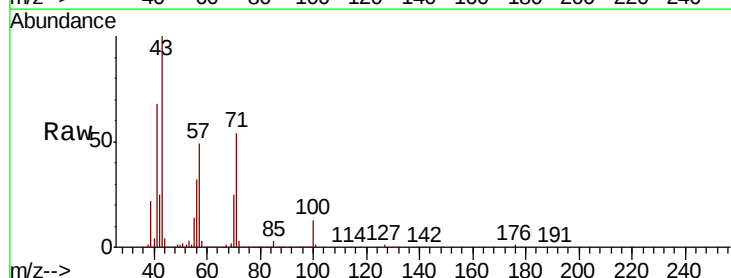
Acq: 7 Dec 2021 11:34

Tgt Ion: 43 Resp: 1711006

Ion Ratio Lower Upper

43 100

57 50.4 40.4 60.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.11

800000

600000

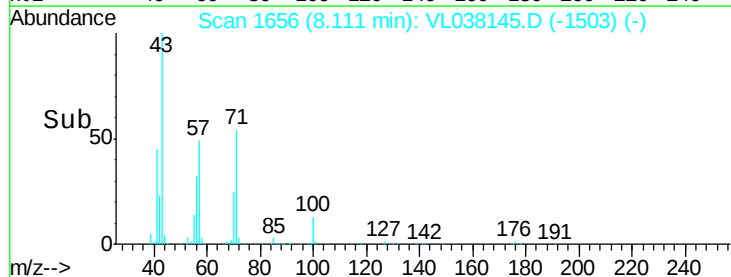
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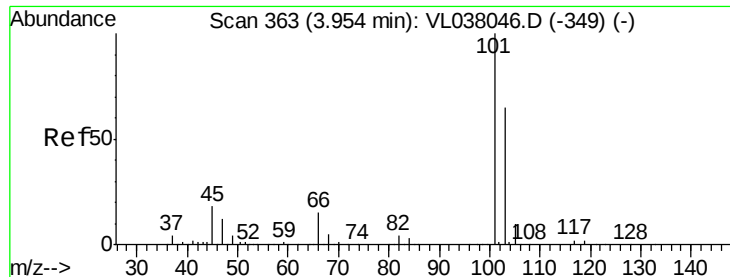
200000

0

Time-->

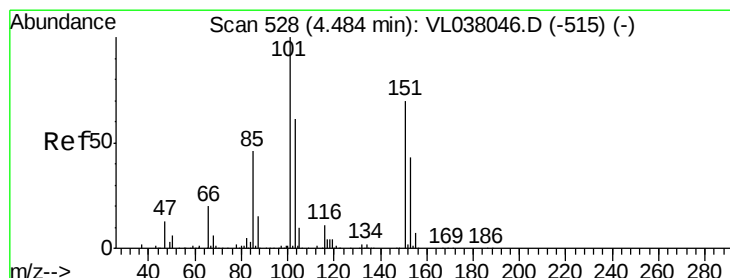
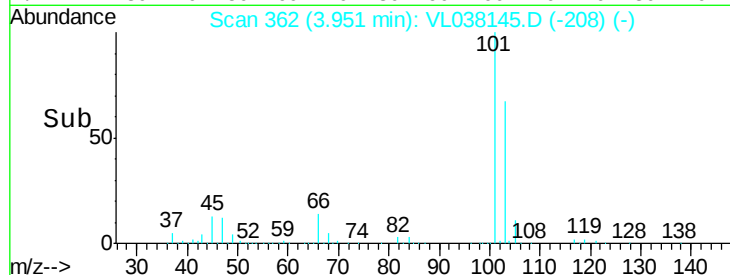
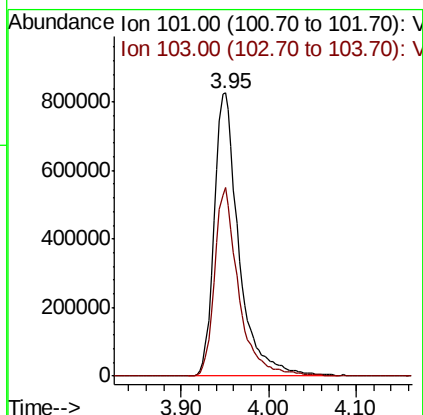
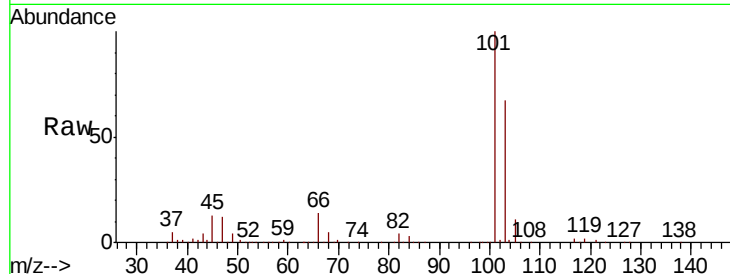
8.00 8.10 8.20





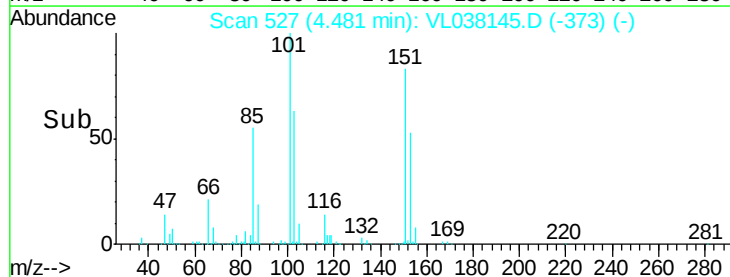
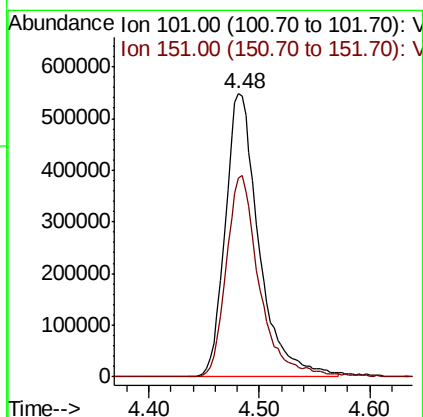
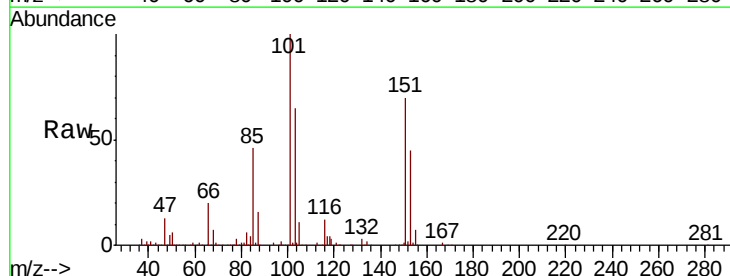
#11
 Trichlorofluoromethane
 Concen: 11.846 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL1207ABS01
 Acq: 7 Dec 2021 11:34

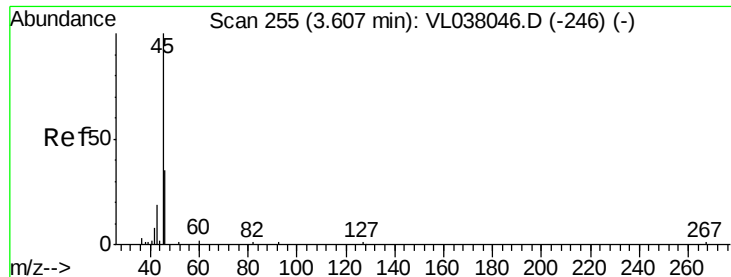
Tot Ion:101 Resp: 1623320
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.990 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

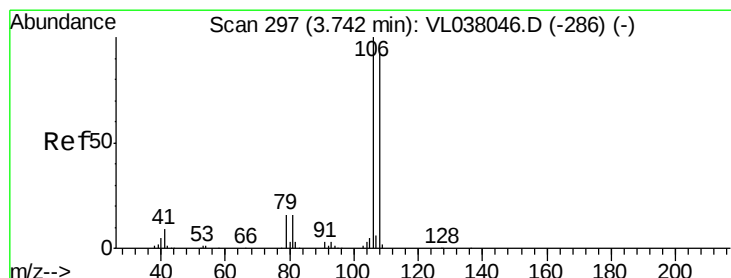
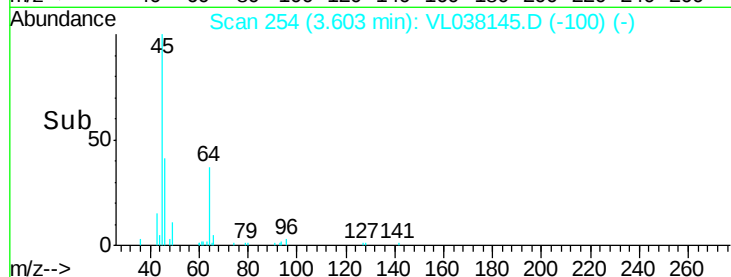
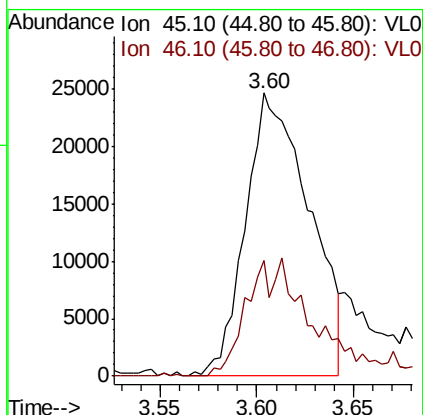
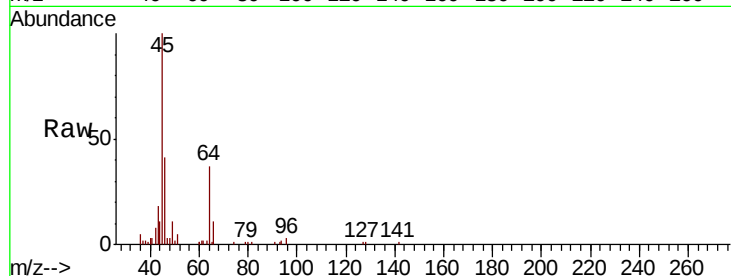
Tgt Ion:101 Resp: 1162278
 Ion Ratio Lower Upper
 101 100
 151 70.6 59.0 88.4





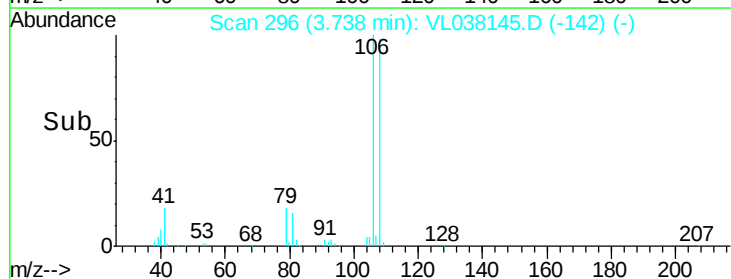
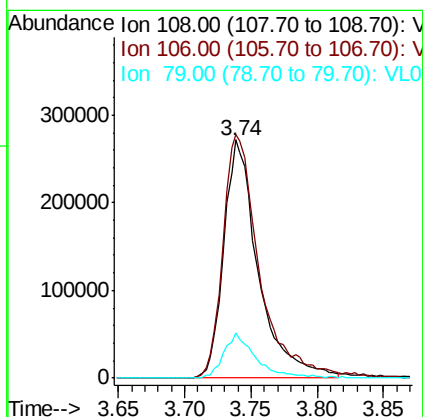
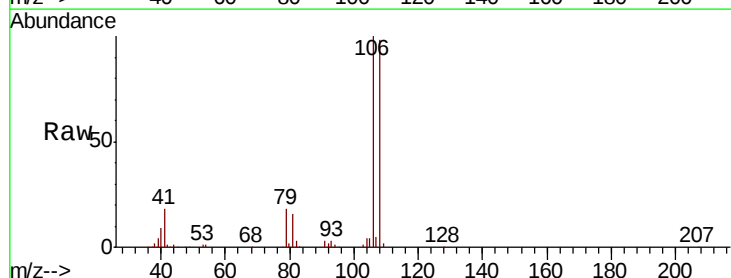
#13
Ethanol
Concen: 8.657 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

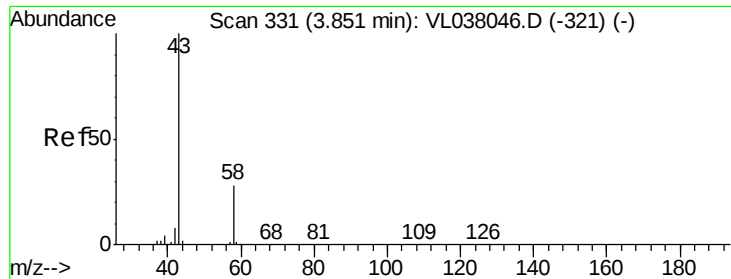
Tot Ion: 45 Resp: 56441
Ion Ratio Lower Upper
45 100
46 41.0 17.6 70.2



#14
Bromoethene
Concen: 11.361 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

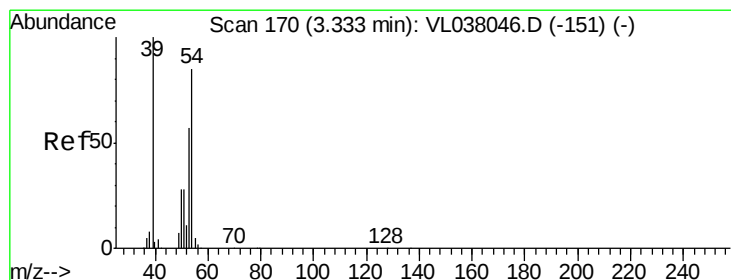
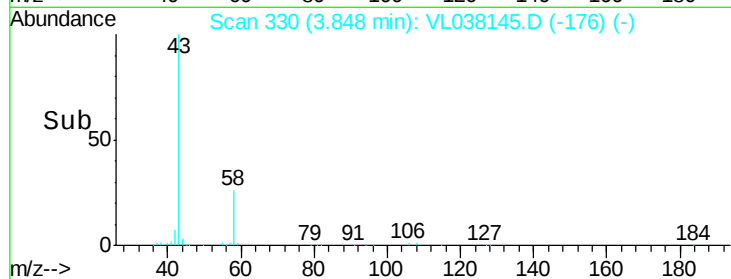
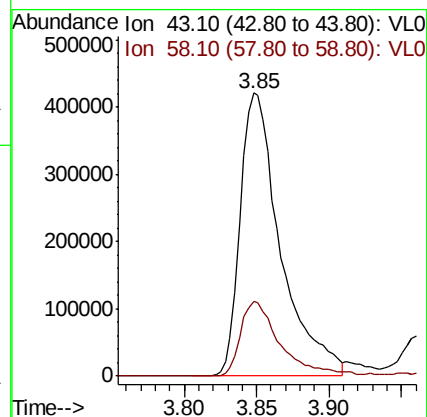
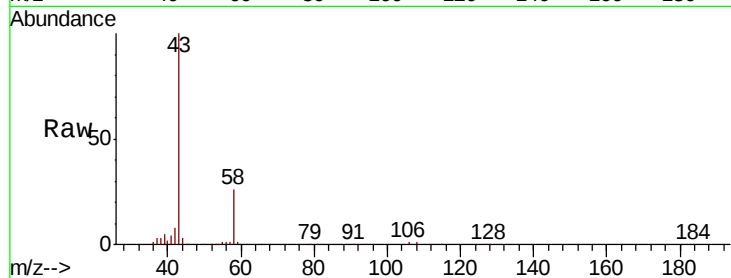
Tgt Ion: 108 Resp: 493138
Ion Ratio Lower Upper
108 100
106 109.6 89.4 134.0
79 18.2 14.1 21.1





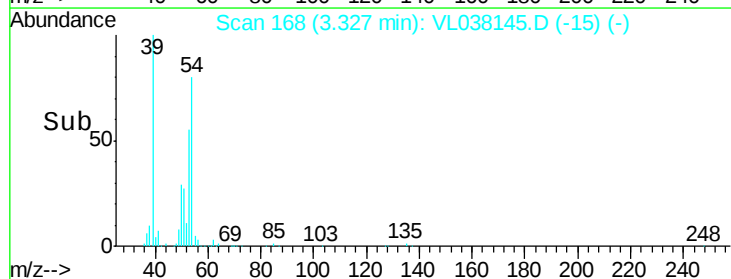
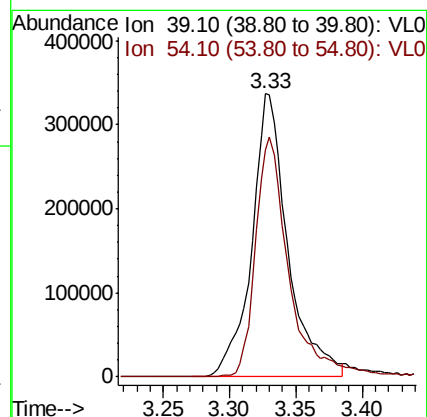
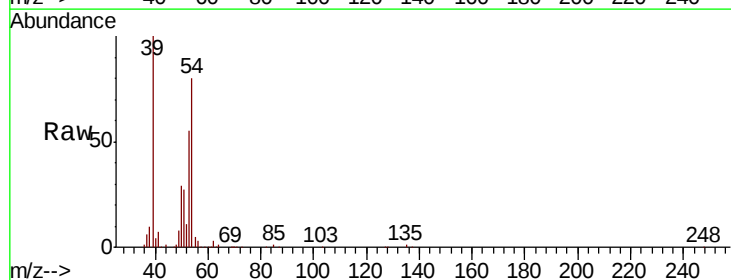
#15
Acetone
Concen: 10.747 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

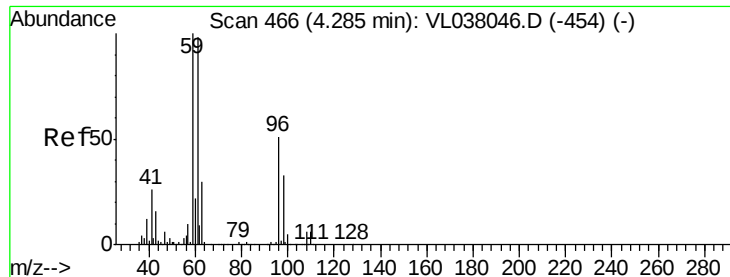
Tot Ion: 43 Resp: 812832
Ion Ratio Lower Upper
43 100
58 26.2 22.4 33.6



#16
1,3-Butadiene
Concen: 10.828 ppbv
RT: 3.33 min Scan# 168
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 39 Resp: 638877
Ion Ratio Lower Upper
39 100
54 79.3 64.4 96.6





#17

tert-Butyl alcohol

Concen: 10.256 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

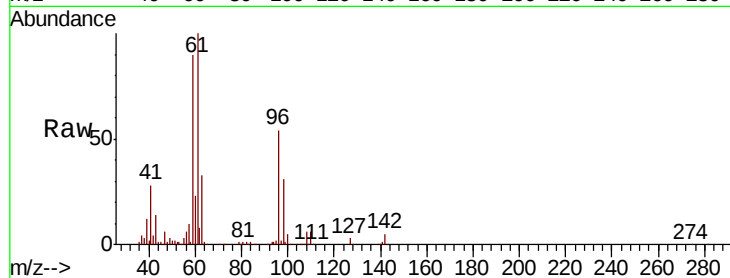
Acq: 7 Dec 2021 11:34

Tot Ion: 59 Resp: 940930

Ion Ratio Lower Upper

59 100

57 10.7 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

400000

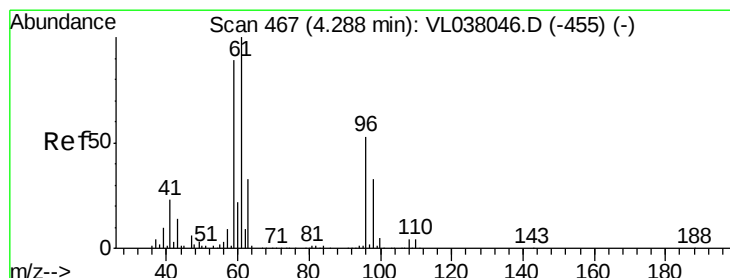
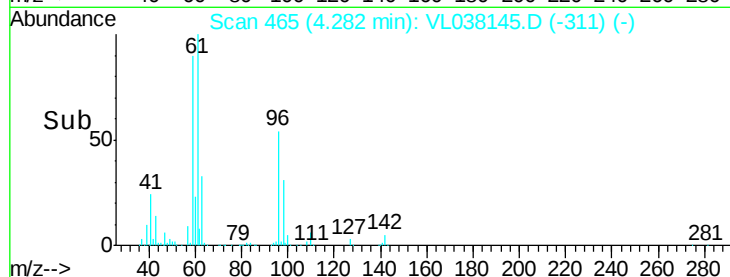
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 11.655 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

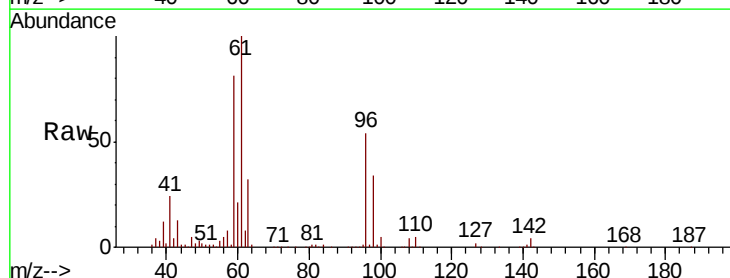
Tgt Ion: 96 Resp: 518278

Ion Ratio Lower Upper

96 100

61 184.0 149.8 224.8

98 62.0 50.2 75.2



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

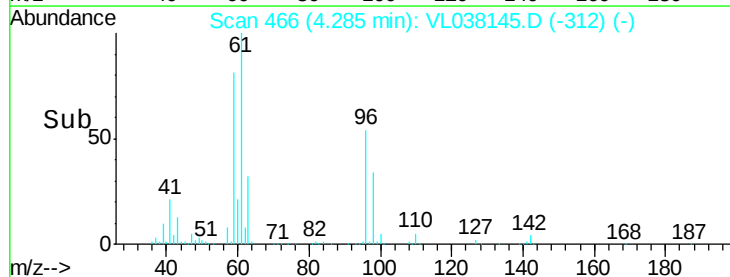
600000

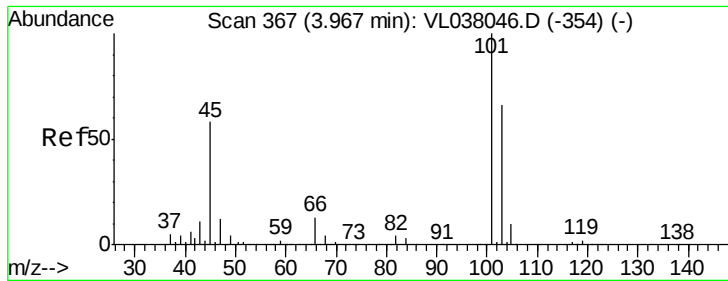
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.756 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

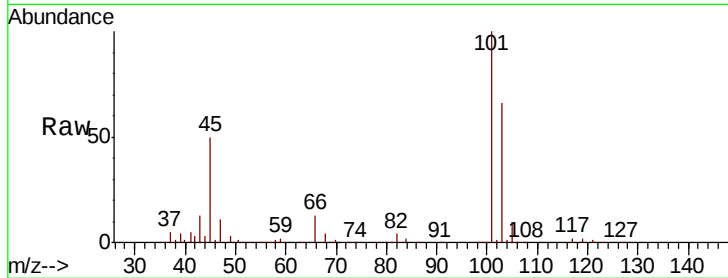
Acq: 7 Dec 2021 11:34

Tot Ion: 45 Resp: 533123

Ion Ratio Lower Upper

45 100

58 2.1 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

250000

200000

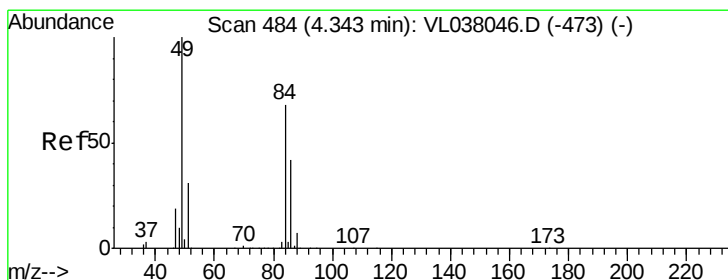
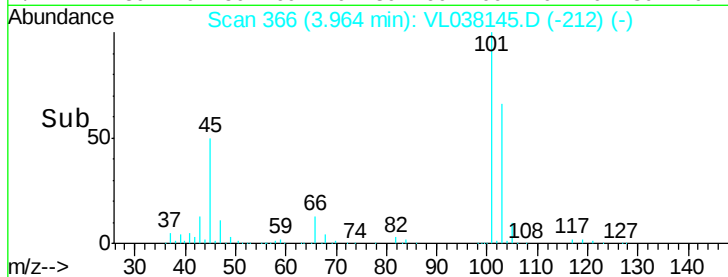
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 11.100 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

Tgt Ion: 84 Resp: 470235

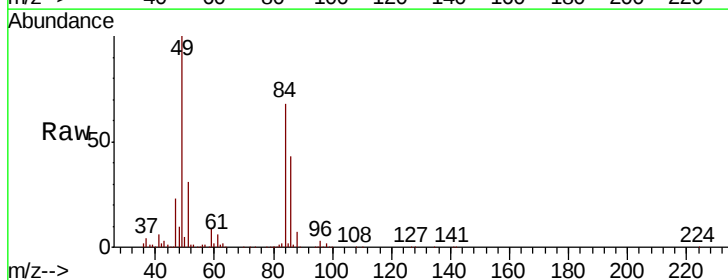
Ion Ratio Lower Upper

84 100

49 145.8 118.2 177.2

51 45.4 36.8 55.2

86 63.5 49.0 73.6



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

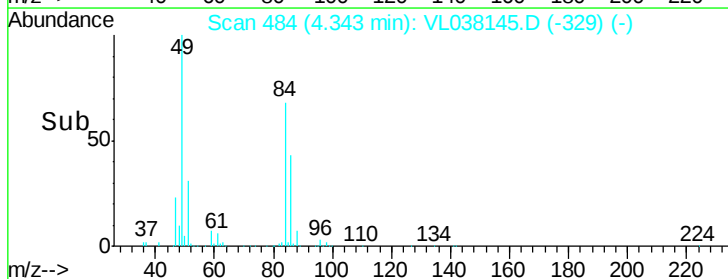
300000

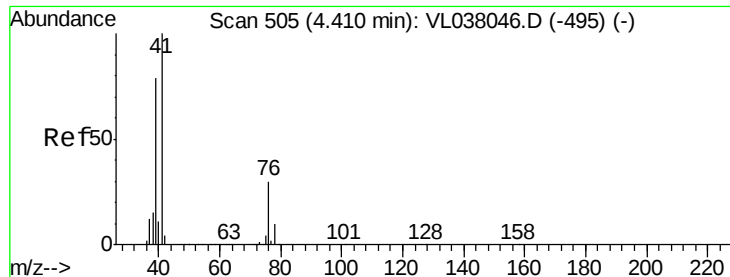
200000

100000

0

Time-->





#21

Allvl Chloride

Concen: 11.272 ppbv

RT: 4.41 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34 VL1207ABS01

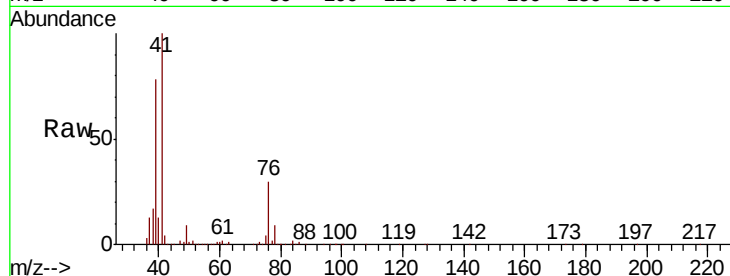
Tot Ion: 41 Resp: 789094

Ion Ratio Lower Upper

41 100

76 30.8 24.6 36.8

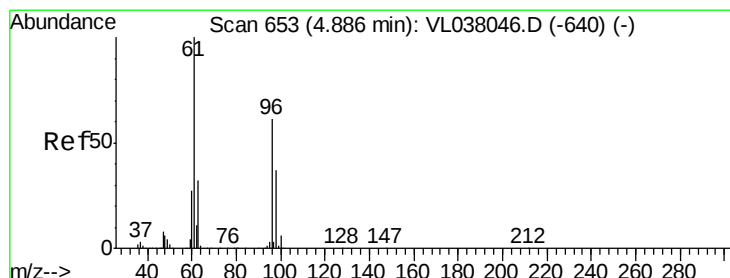
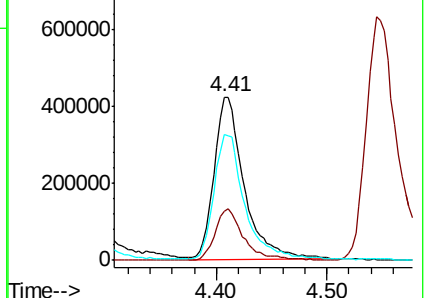
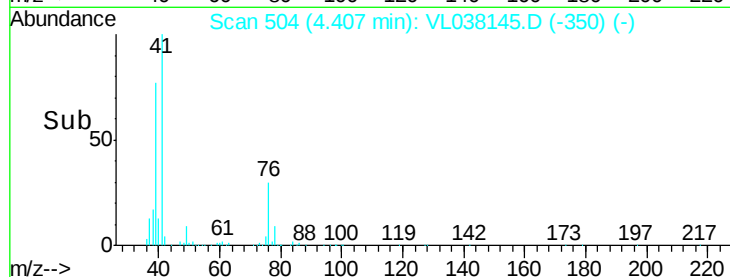
39 79.5 63.4 95.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 12.277 ppbv

RT: 4.88 min Scan# 652

Delta R.T. -0.00 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

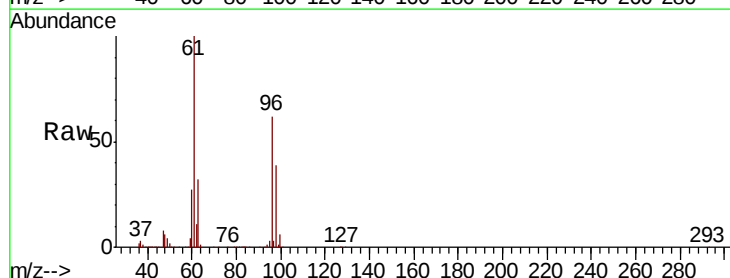
Tgt Ion: 96 Resp: 552975

Ion Ratio Lower Upper

96 100

61 160.3 131.6 197.4

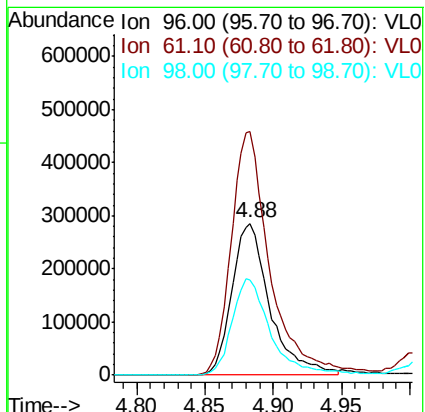
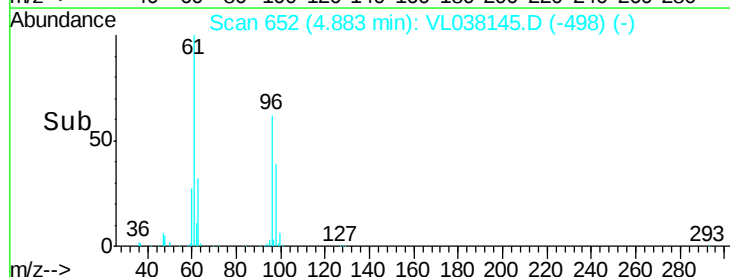
98 62.7 48.4 72.6

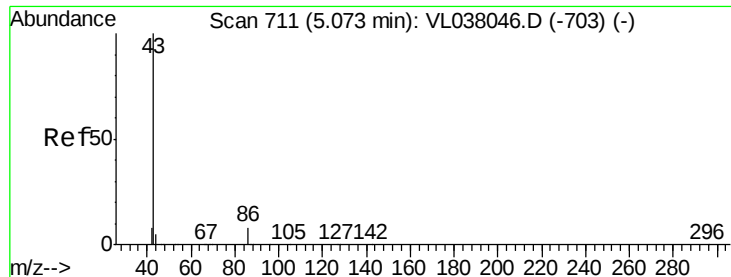


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 11.862 ppbv

RT: 5.07 Instrument:

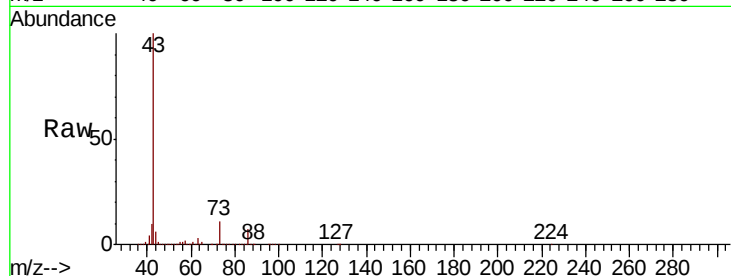
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

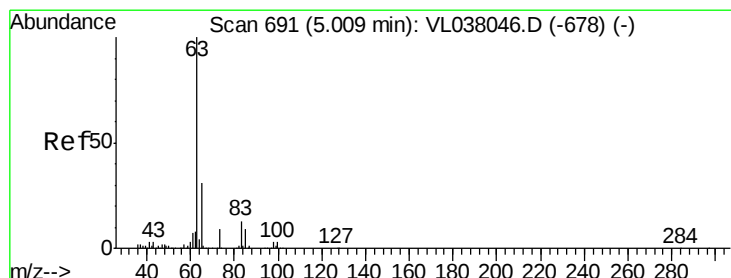
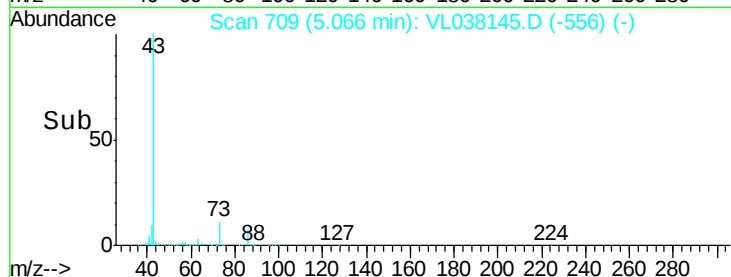
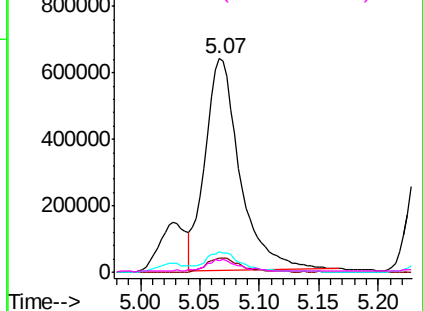
Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion: 43 Resp: 1298699

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.3	7.9
42	9.6	7.0	10.6
44	5.2	4.0	6.0



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



#24

1,1-Dichloroethane

Concen: 11.817 ppbv

RT: 5.01 min Scan# 690

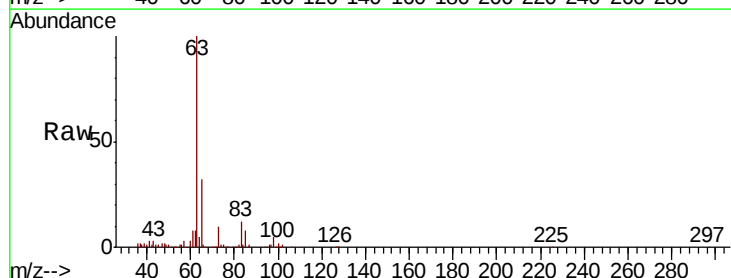
Delta R.T. -0.00 min

Lab File: VL038145.D

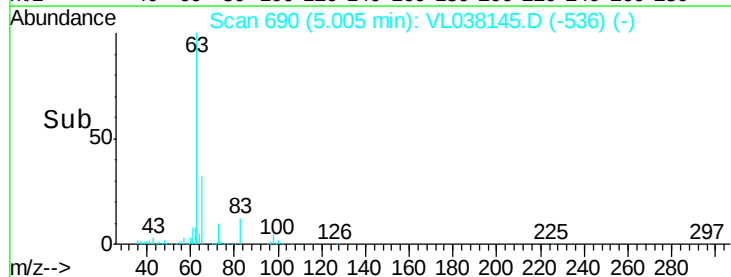
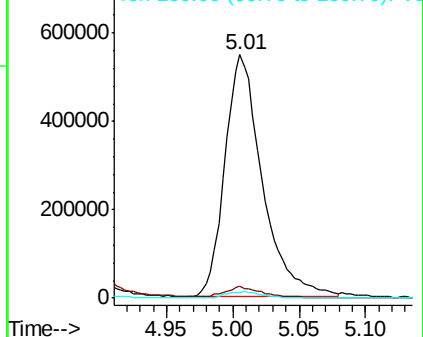
Acq: 7 Dec 2021 11:34

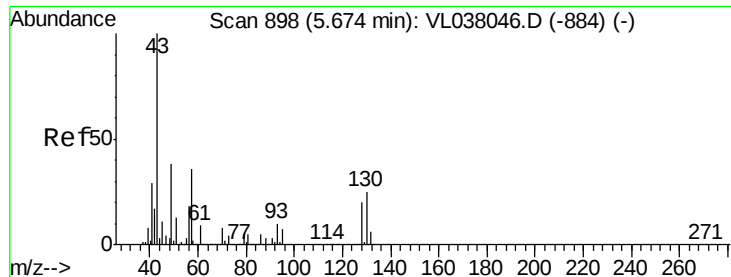
Tgt Ion: 63 Resp: 1077328

Ion	Ratio	Lower	Upper
63	100		
98	4.5	1.8	5.4
100	2.4	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

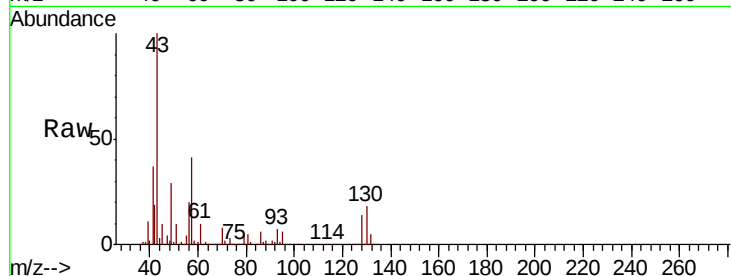




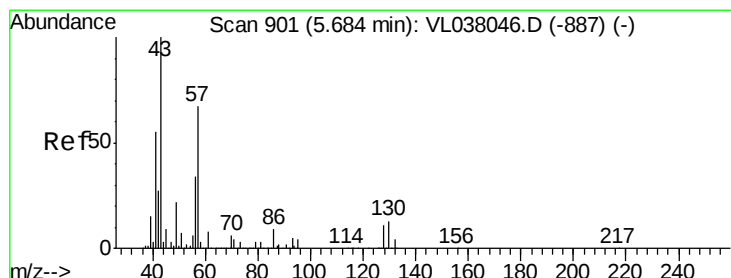
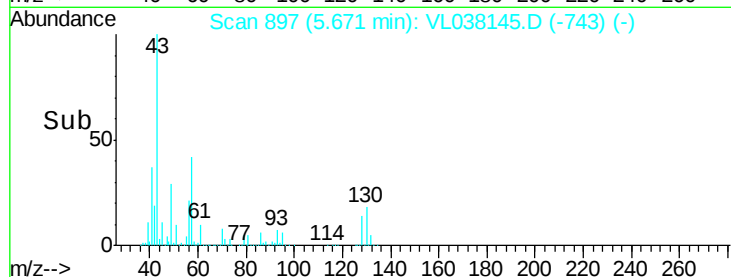
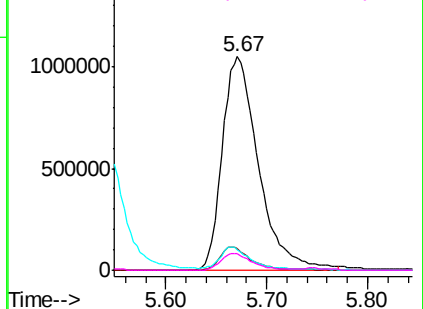
#25
Ethyl Acetate
Concen: 10.427 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL1207ABS01
Acq: 7 Dec 2021 11:34

Tot Ion: 43 Resp: 2621021

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.8	7.8	11.6
70	6.7	5.8	8.8



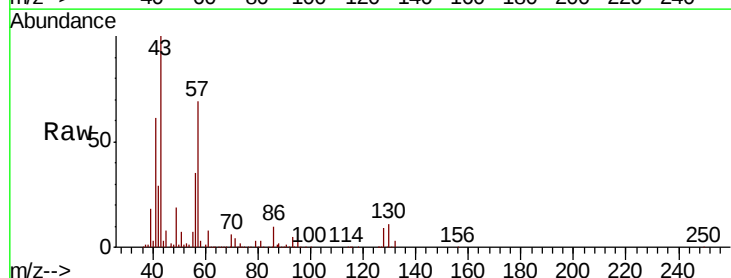
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



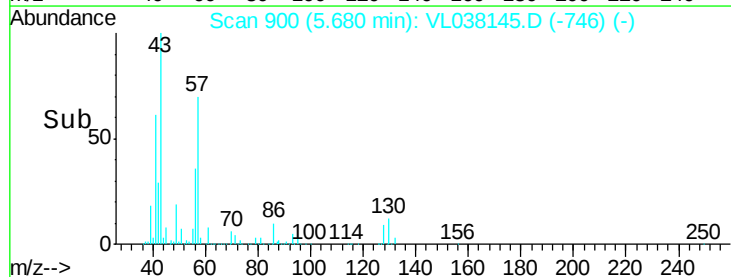
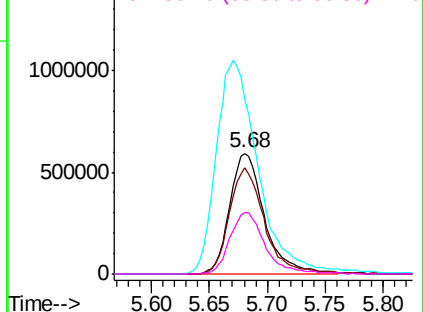
#26
Hexane
Concen: 10.192 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

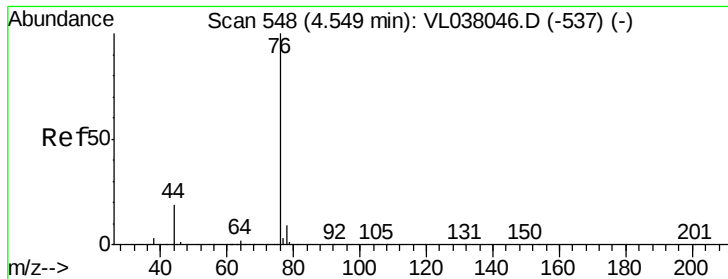
Tgt Ion: 57 Resp: 1234808

Ion	Ratio	Lower	Upper
57	100		
41	90.0	71.4	107.2
43	214.7	174.6	261.8
56	52.2	43.2	64.8



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





#27

Carbon Disulfide

Concen: 11.430 ppbv

RT: 4.55 Instrument: MSVOA_1

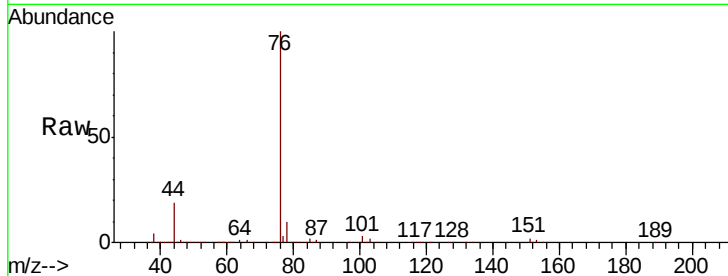
Delta R.T.

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion: 76 Resp: 1240431

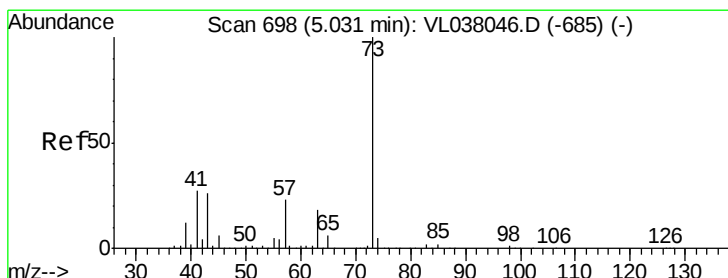
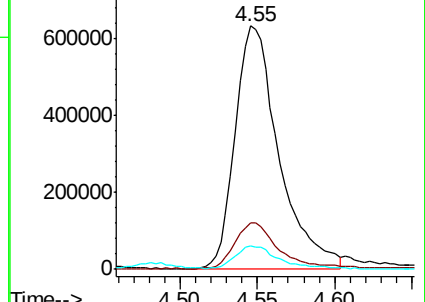
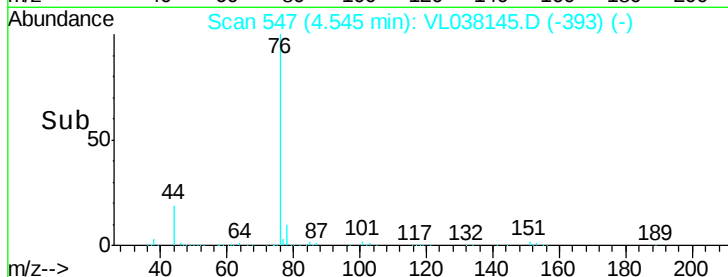
Ion	Ratio	Lower	Upper
76	100		
44	19.4	14.9	22.3
78	10.1	7.6	11.4



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: 11.351 ppbv

RT: 5.03 min Scan# 697

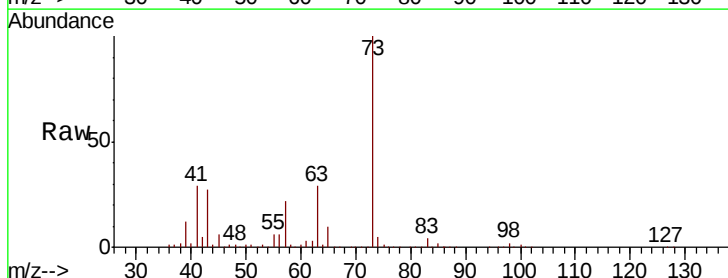
Delta R.T. -0.00 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

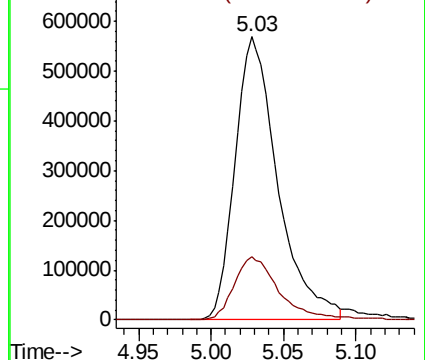
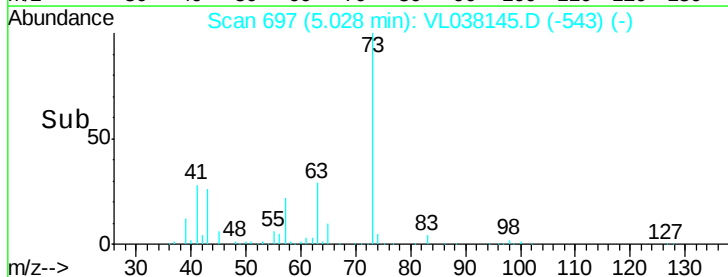
Tgt Ion: 73 Resp: 1168212

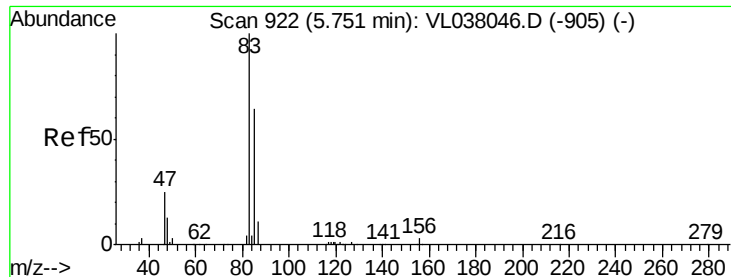
Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.0	28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.959 ppbv

RT: 5.75 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1207ABS01

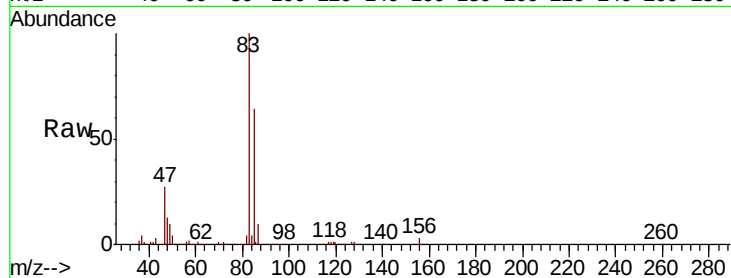
Acq: 7 Dec 2021 11:34

Tot Ion: 83 Resp: 1956835

Ion Ratio Lower Upper

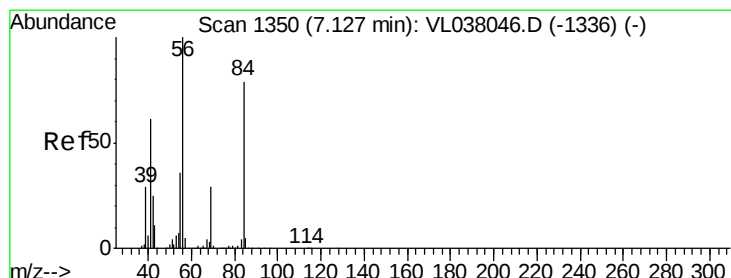
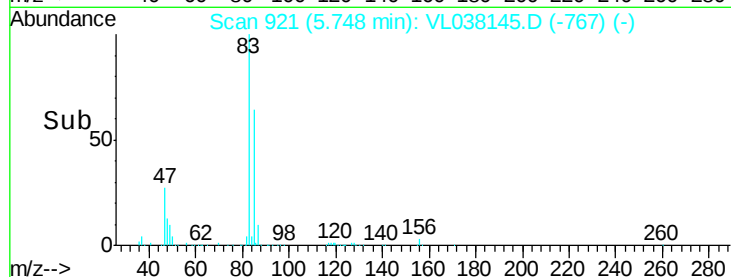
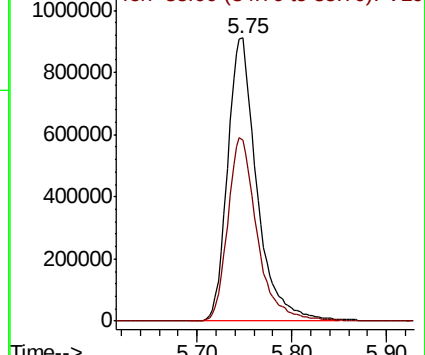
83 100

85 63.9 51.0 76.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.667 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

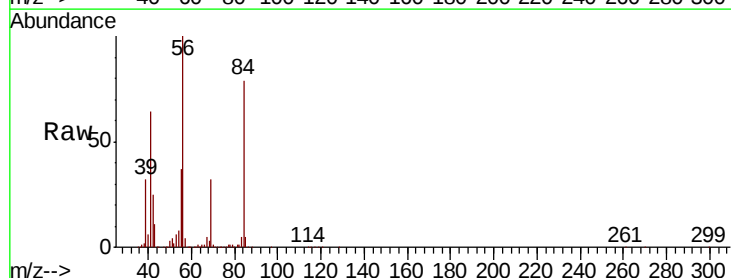
Tgt Ion: 84 Resp: 1063276

Ion Ratio Lower Upper

84 100

56 139.6 108.1 162.1

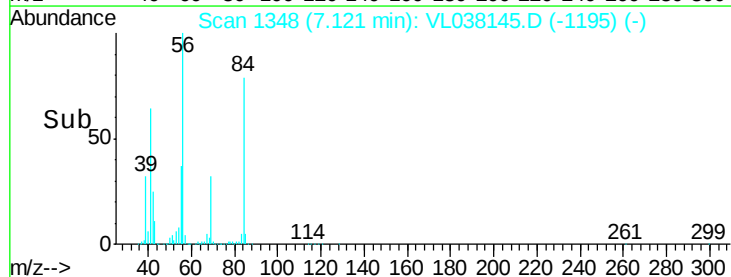
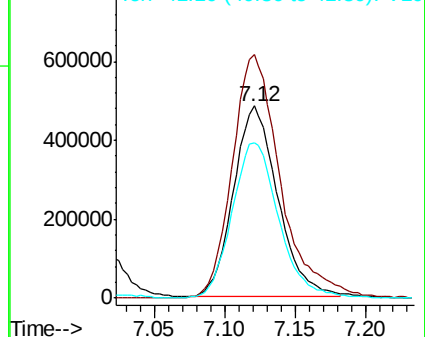
41 86.9 64.4 96.6

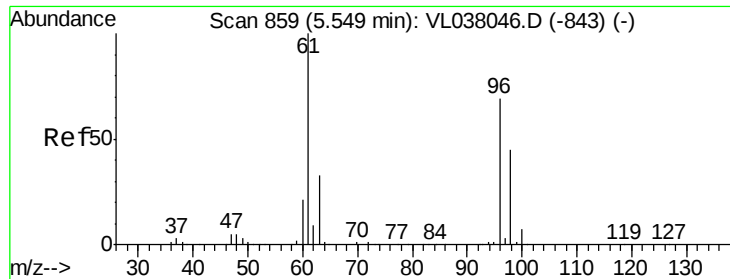


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 10.559 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34 VL1207ABS01

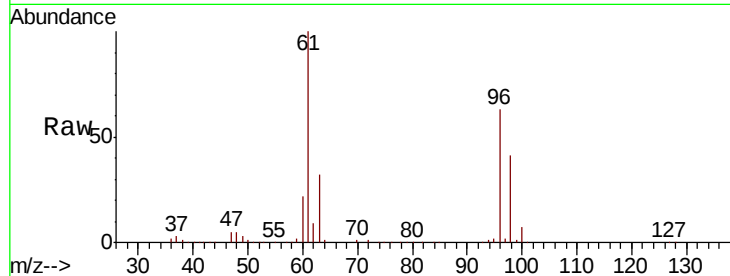
Tot Ion: 61 Resp: 1216964

Ion Ratio Lower Upper

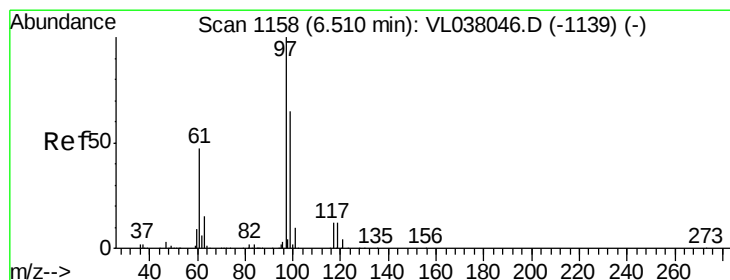
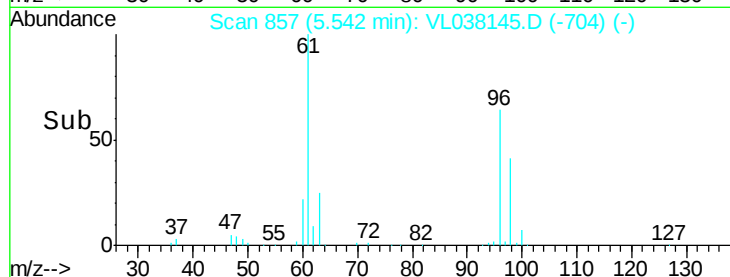
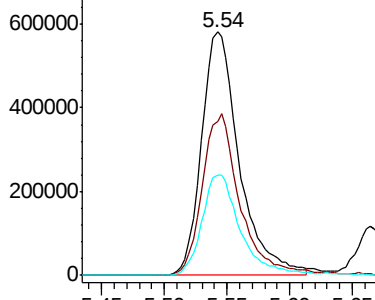
61 100

96 63.4 55.4 83.2

98 41.2 35.7 53.5



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: 10.856 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

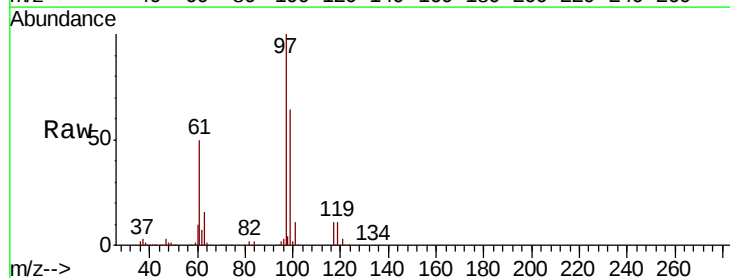
Tgt Ion: 97 Resp: 1967349

Ion Ratio Lower Upper

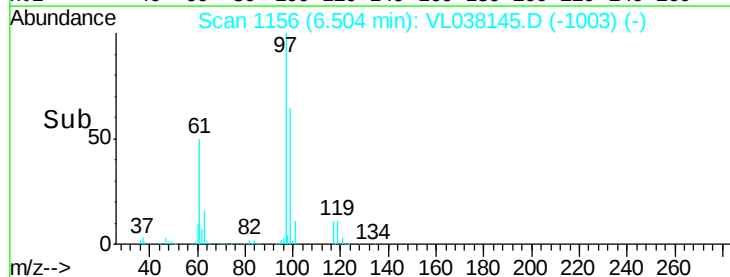
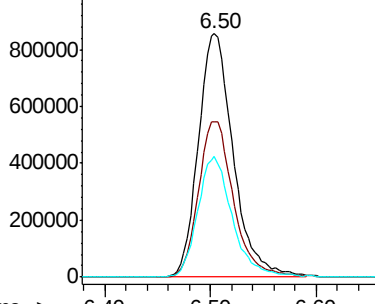
97 100

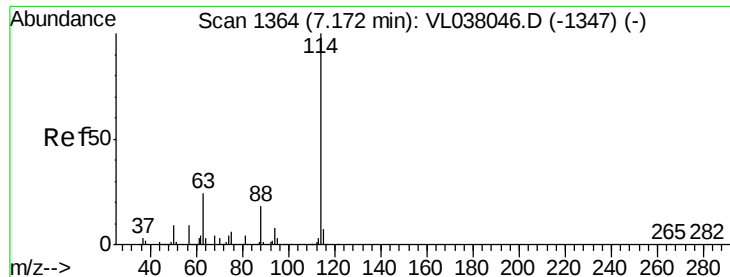
99 64.5 52.2 78.4

61 49.1 37.7 56.5



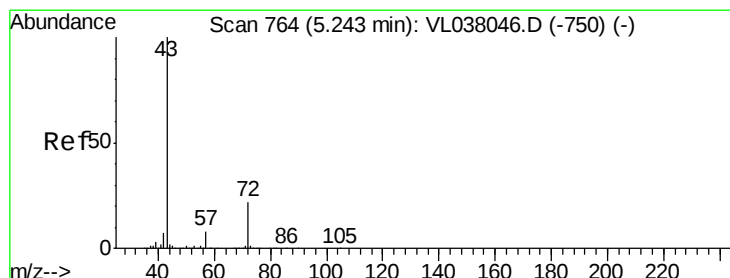
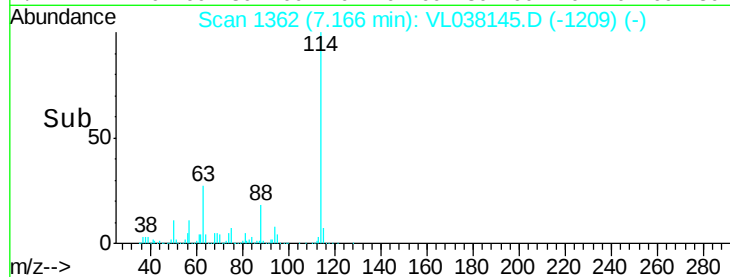
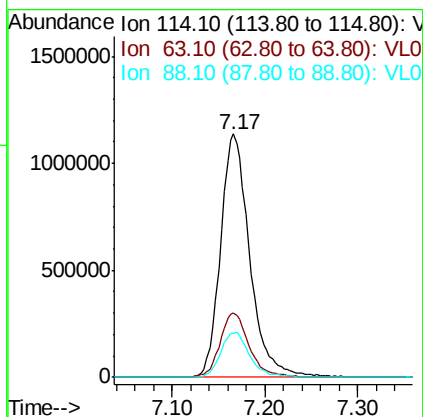
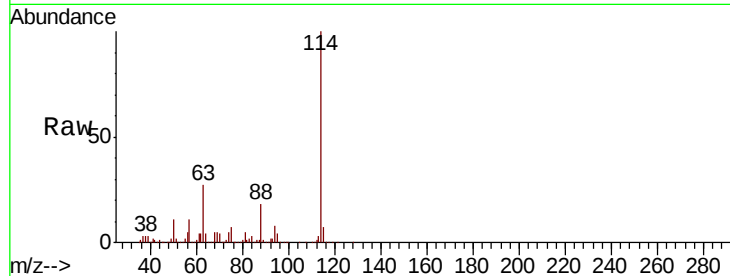
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





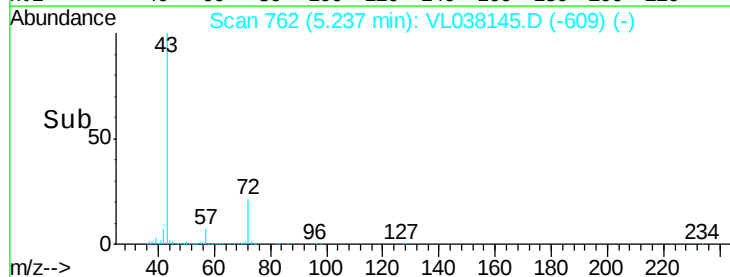
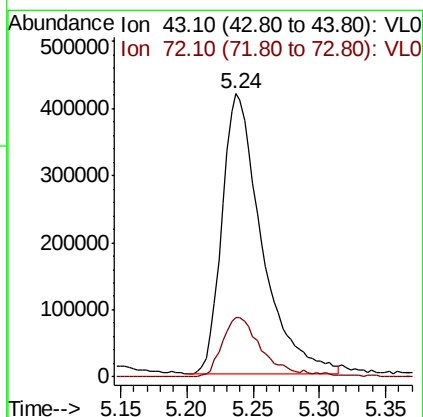
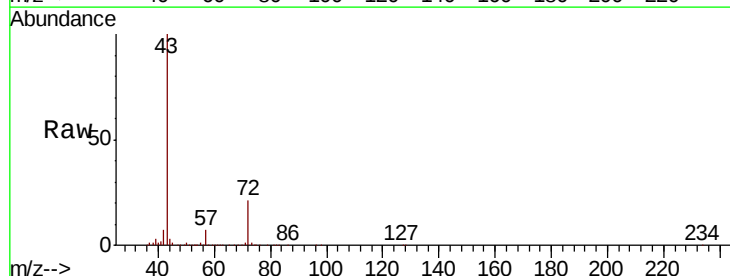
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL1207ABS01
 Acq: 7 Dec 2021 11:34

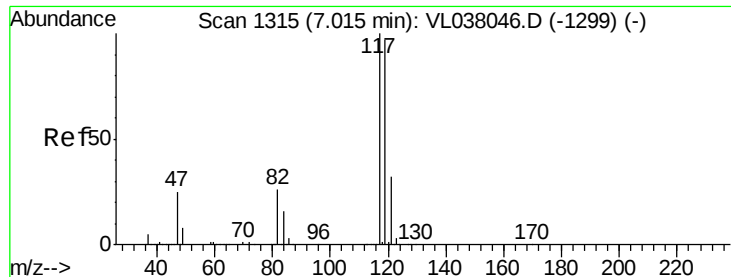
Tot Ion:114 Resp: 2482864
 Ion Ratio Lower Upper
 114 100
 63 27.1 19.7 29.5
 88 18.7 14.4 21.6



#34
 2-Butanone
 Concen: 8.699 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

Tgt Ion: 43 Resp: 870898
 Ion Ratio Lower Upper
 43 100
 72 21.9 18.8 28.2

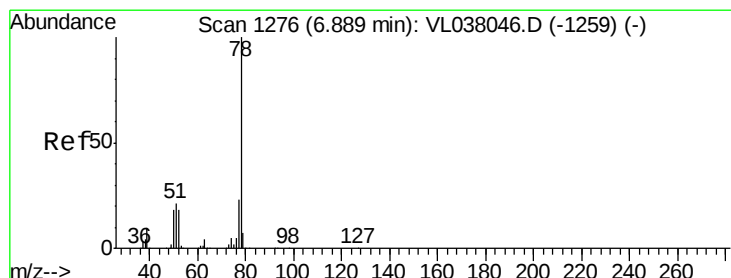
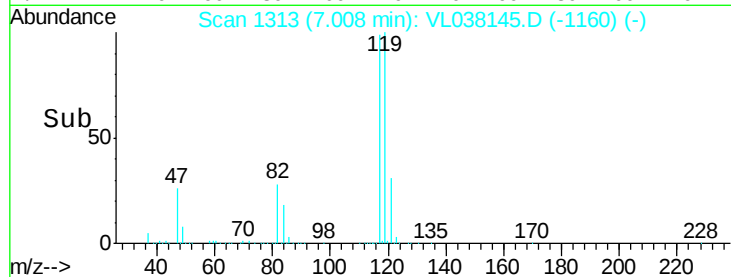
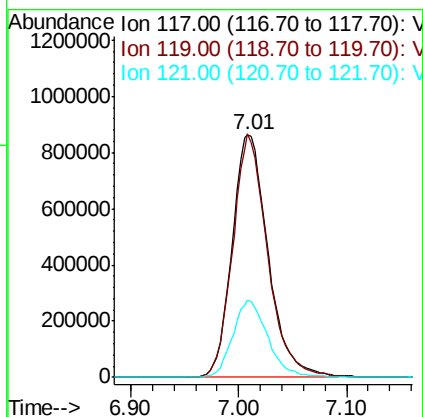
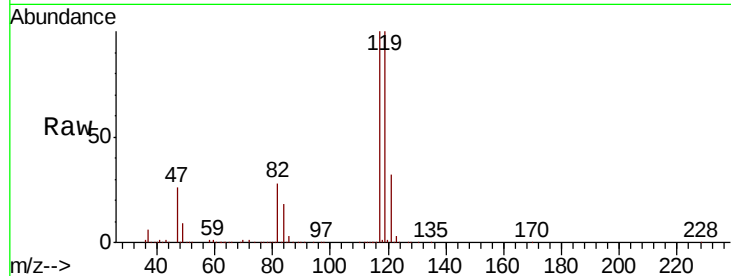




#35
Carbon Tetrachloride
Concen: 11.505 ppbv
RT: 7.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

Tot Ion: 117 Resp: 2006988

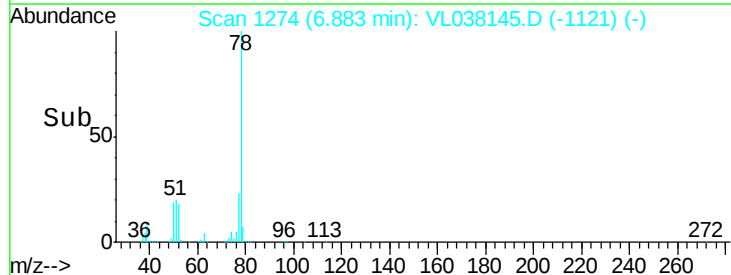
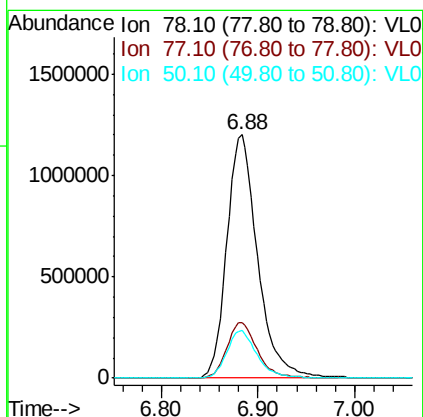
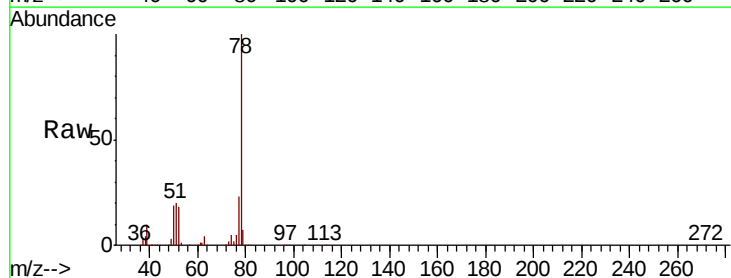
Ion	Ratio	Lower	Upper
117	100		
119	100.4	77.7	116.5
121	31.7	25.6	38.4

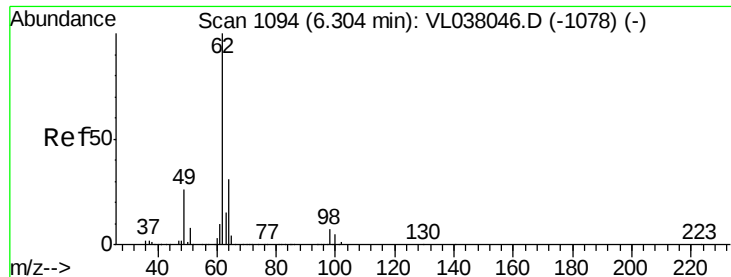


#36
Benzene
Concen: 10.719 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 78 Resp: 2654890

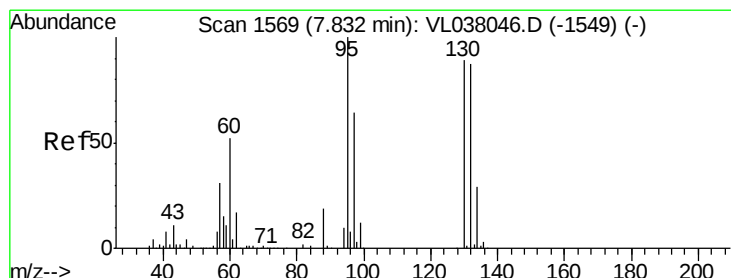
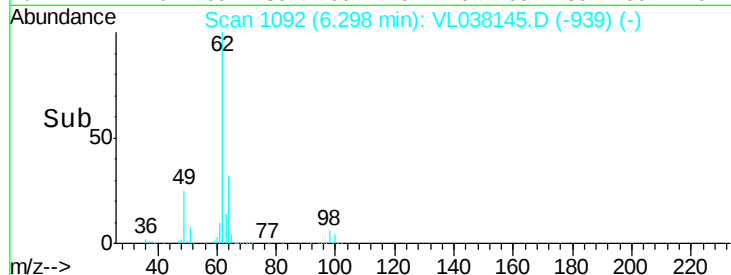
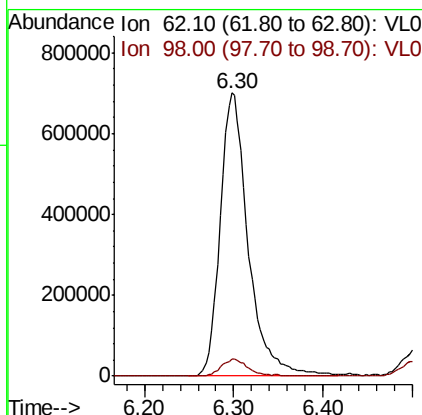
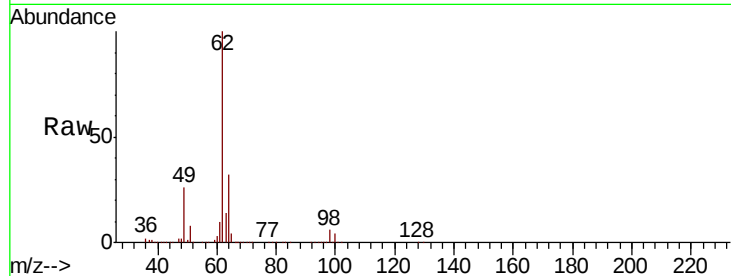
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.2	27.4
50	19.4	14.7	22.1





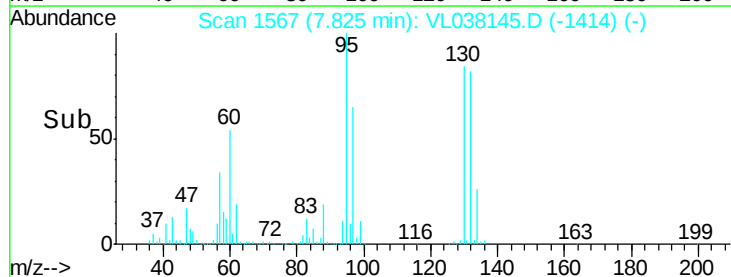
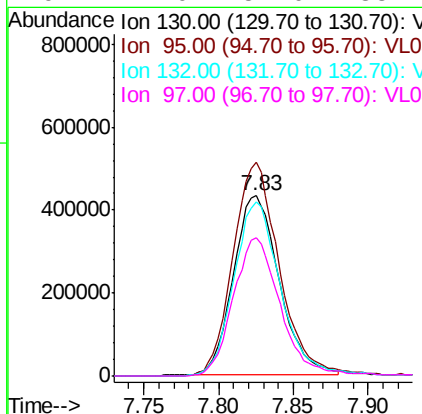
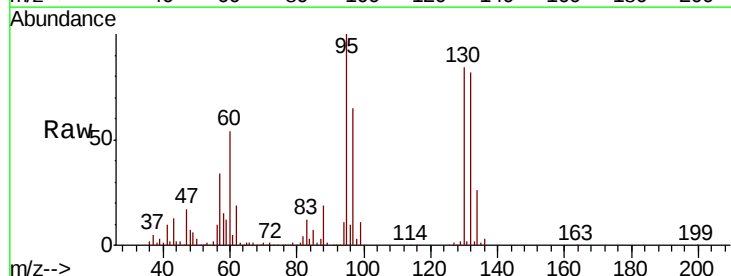
#37
 1,2-Dichloroethane
 Concen: 12.762 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL1207ABS01
 Acq: 7 Dec 2021 11:34

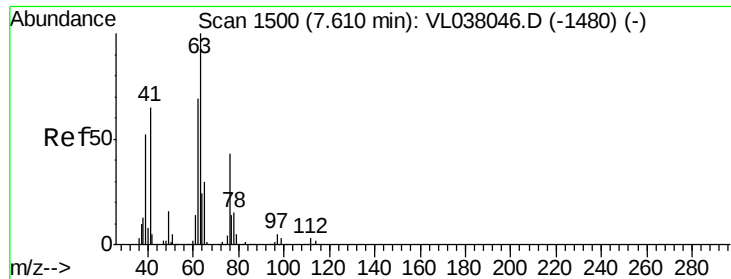
Tot Ion: 62 Resp: 1526596
 Ion Ratio Lower Upper
 62 100
 98 5.9 5.8 8.6



#38
 Trichloroethene
 Concen: 9.908 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

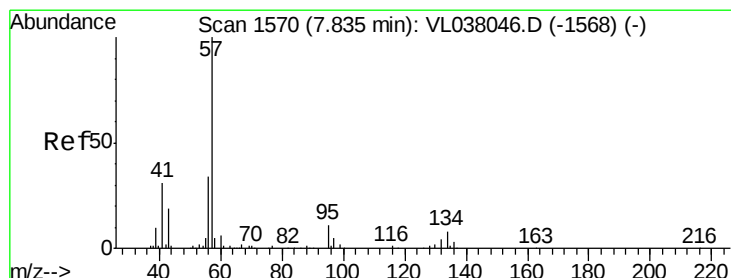
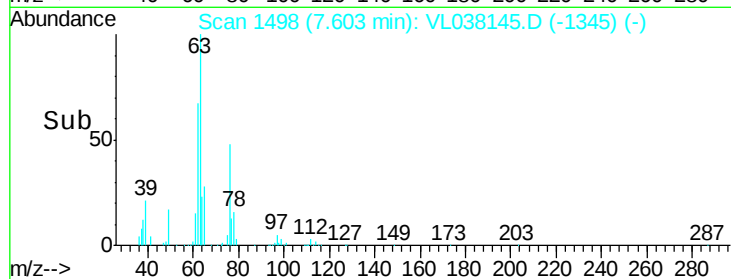
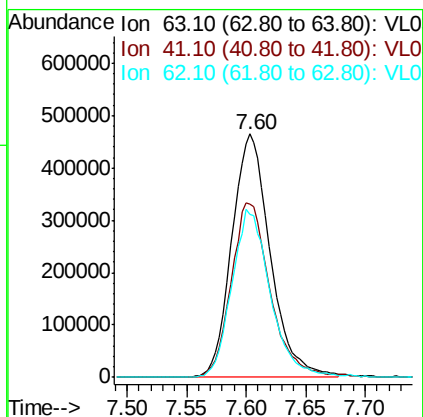
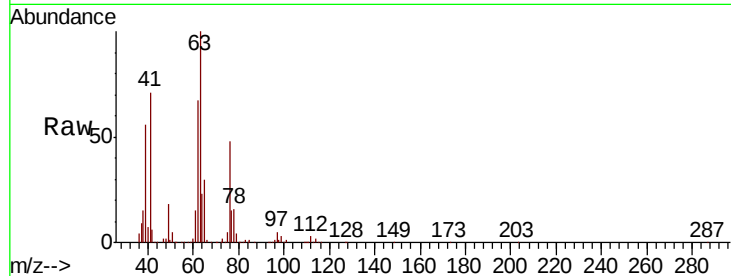
Tgt Ion:130 Resp: 925636
 Ion Ratio Lower Upper
 130 100
 95 119.1 89.4 134.2
 132 97.2 78.2 117.2
 97 77.0 57.0 85.4





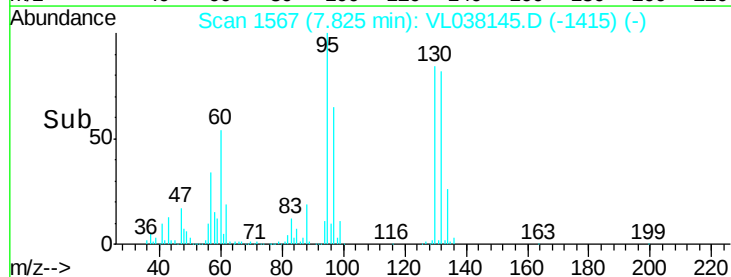
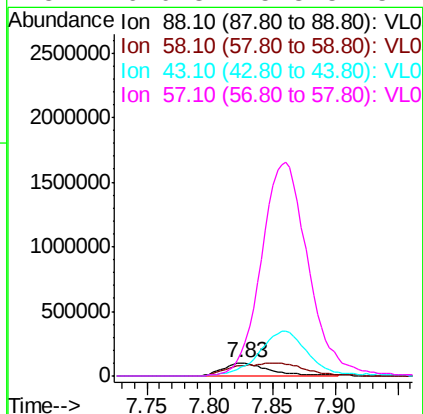
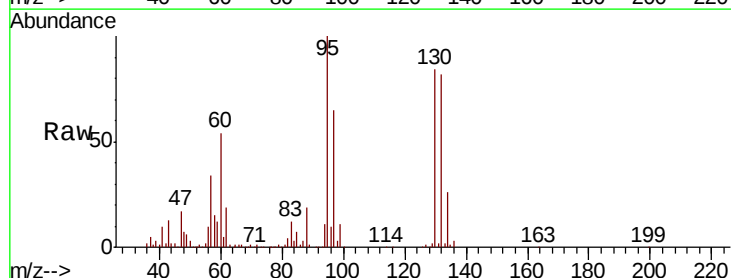
#39
 1,2-Dichloropropane
 Concen: 10.933 ppbv
 RT: 7.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Dec 2021 11:34

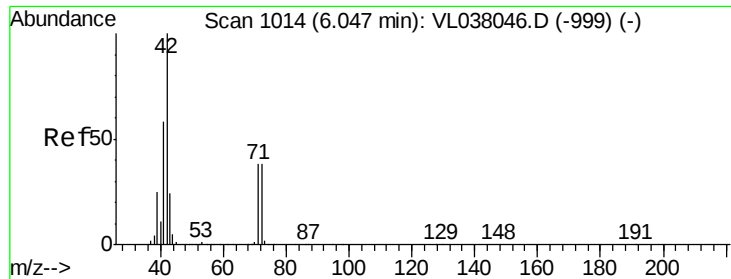
Tot Ion: 63 Resp: 1038736
 Ion Ratio Lower Upper
 63 100
 41 71.2 52.3 78.5
 62 67.1 55.1 82.7



#40
 1,4-Dioxane
 Concen: 10.471 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

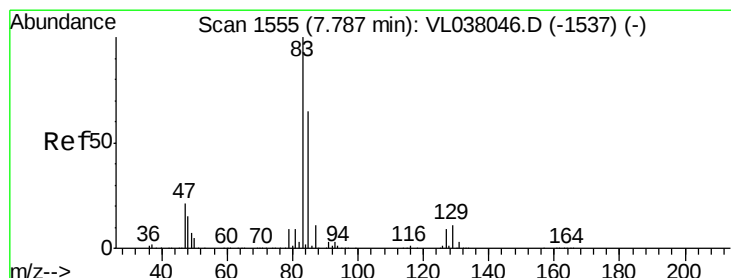
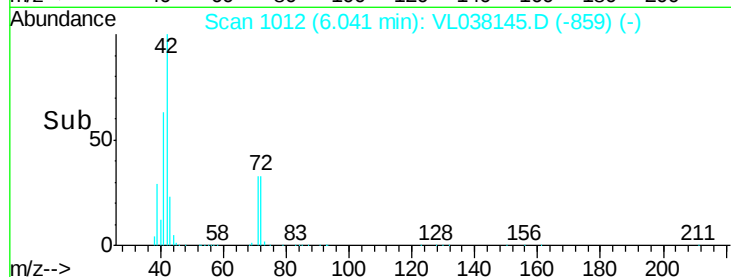
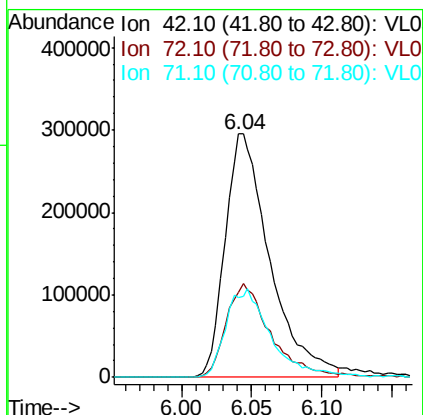
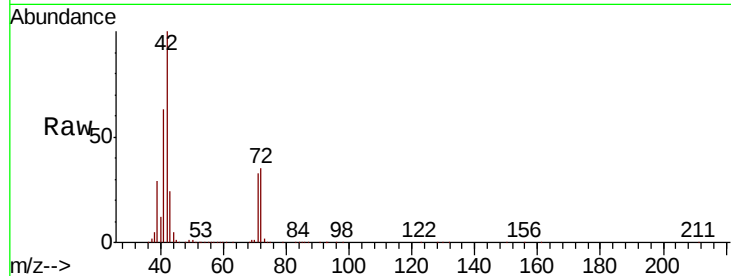
Tgt Ion: 88 Resp: 259188
 Ion Ratio Lower Upper
 88 100
 58 155.5 229.2 343.8#
 43 375.9 553.3 829.9#
 57 1670.8 2513.8 3770.8#





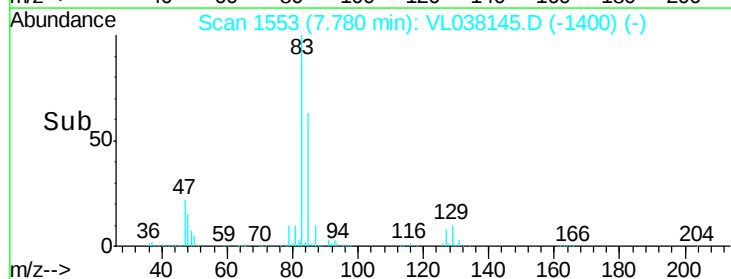
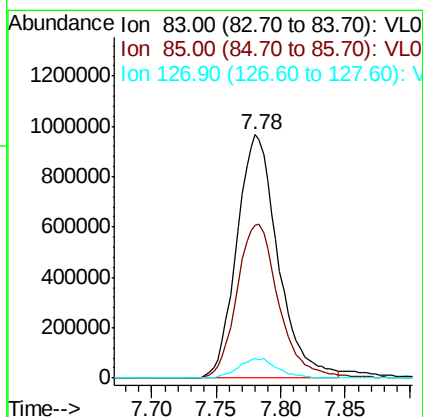
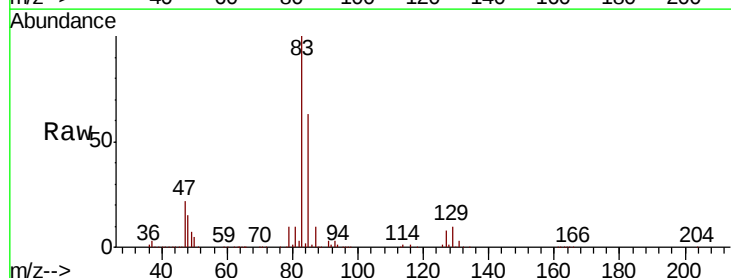
#41
Tetrahydrofuran
Concen: 10.481 ppbv
RT: 6.04
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

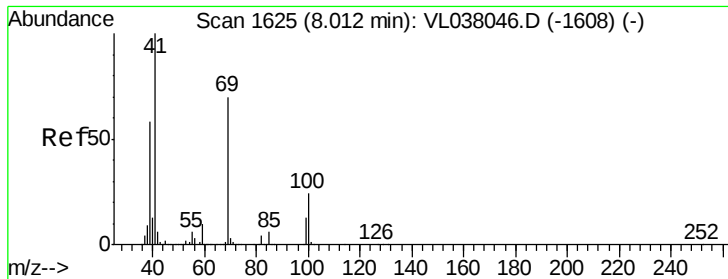
Tot Ion: 42 Resp: 651354
Ion Ratio Lower Upper
42 100
72 39.3 31.7 47.5
71 37.5 30.6 46.0



#42
Bromodichloromethane
Concen: 11.810 ppbv
RT: 7.78 min Scan# 1553
Delta R.T.: -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

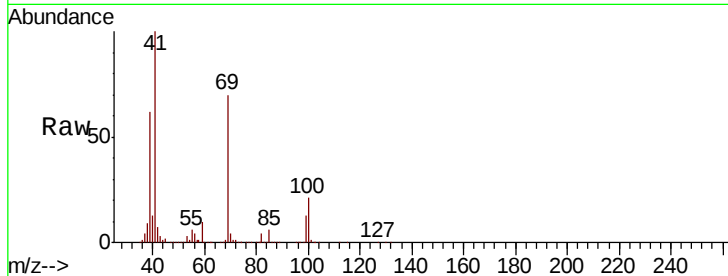
Tgt Ion: 83 Resp: 2147599
Ion Ratio Lower Upper
83 100
85 62.8 51.9 77.9
127 7.8 6.8 10.2





#43
Methyl Methacrylate
Concen: 11.676 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Dec 2021 11:34

Tot Ion	69	Resp	989306
Ion Ratio	Lower	Upper	
69	100		
41	148.6	116.7	175.1
100	30.8	27.3	40.9

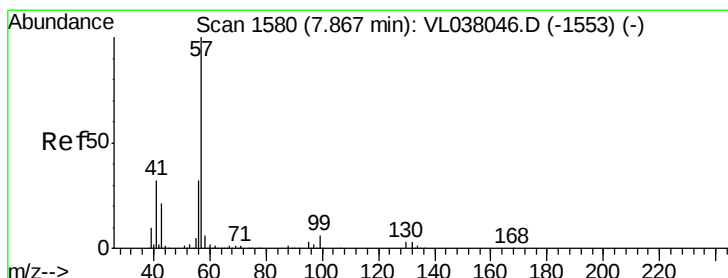
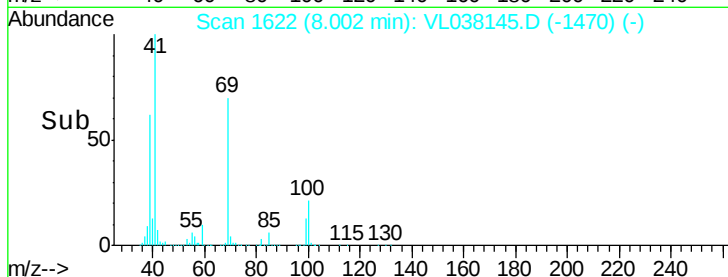
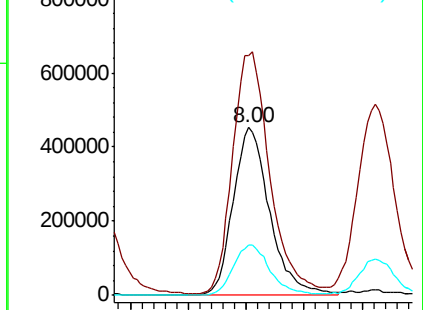


Abundance

Ion 69.10 (68.80 to 69.80): VL0

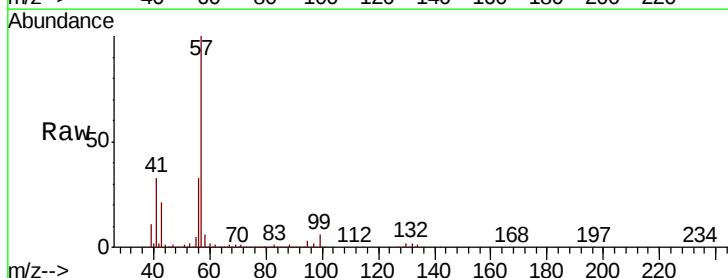
Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44
2,2,4-Trimethylpentane
Concen: 10.427 ppbv
RT: 7.86 min Scan# 1578
Delta R.T.: -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion	57	Resp	4320653
Ion Ratio	Lower	Upper	
57	100		
41	33.1	25.8	38.6
56	31.8	25.6	38.4

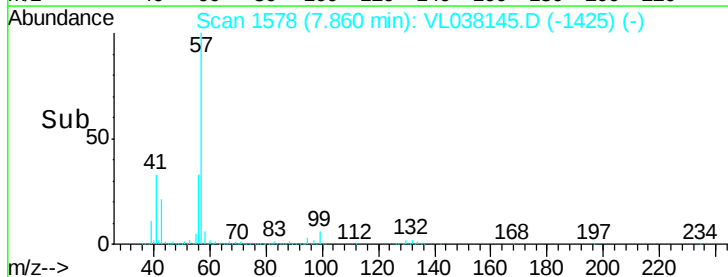
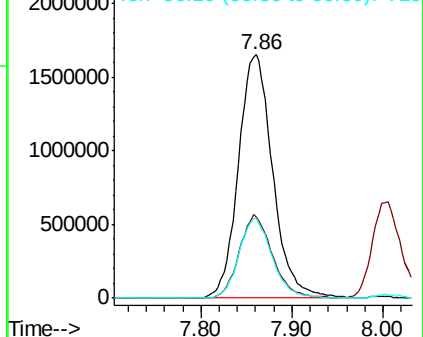


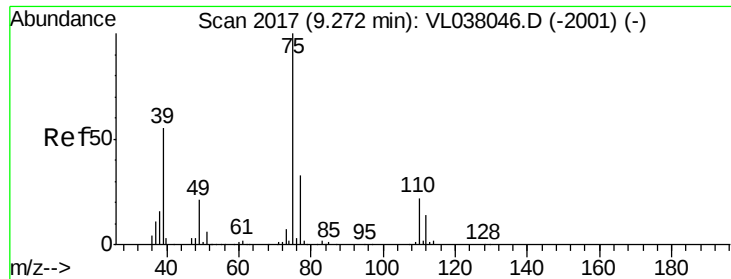
Abundance

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: 12.933 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

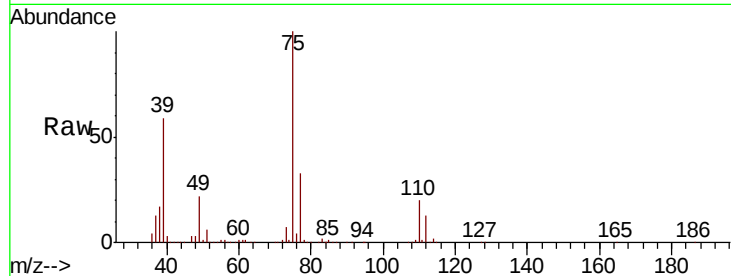
Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion: 75 Resp: 879005

Ion Ratio Lower Upper

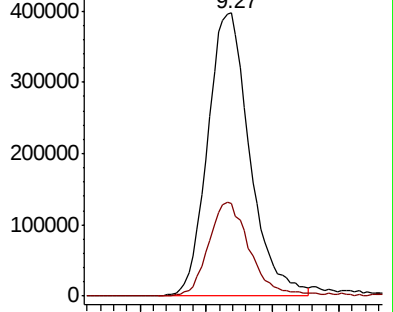
75 100

77 33.0 26.2 39.4

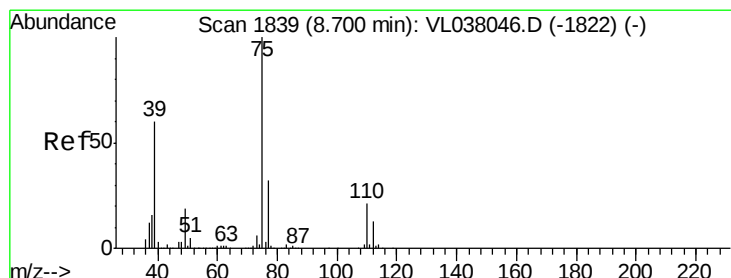
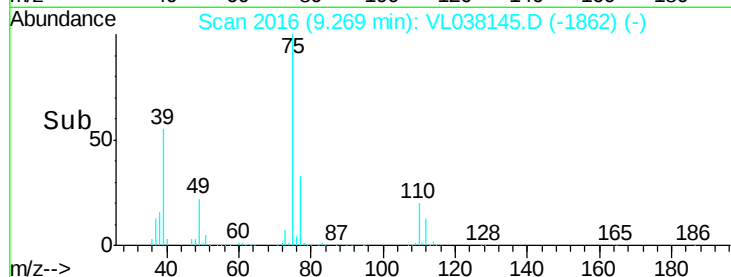


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.229 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

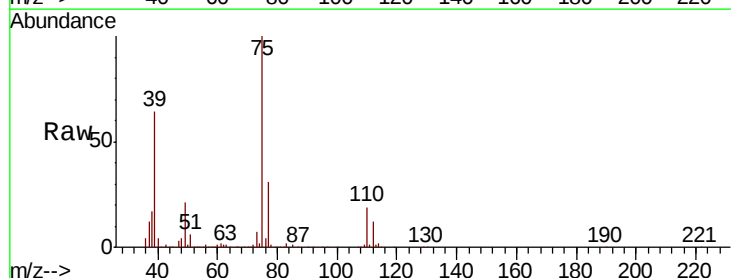
Tgt Ion: 75 Resp: 1124206

Ion Ratio Lower Upper

75 100

39 63.7 47.8 71.8

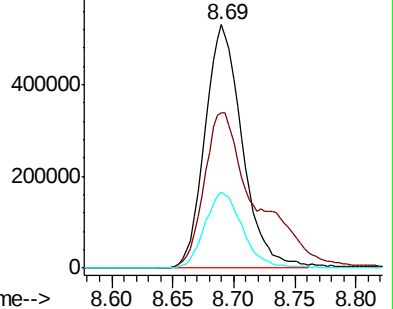
77 31.3 25.5 38.3



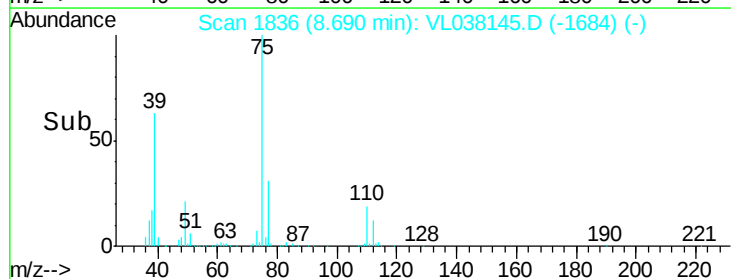
Abundance Ion 75.00 (74.70 to 75.70): VL0

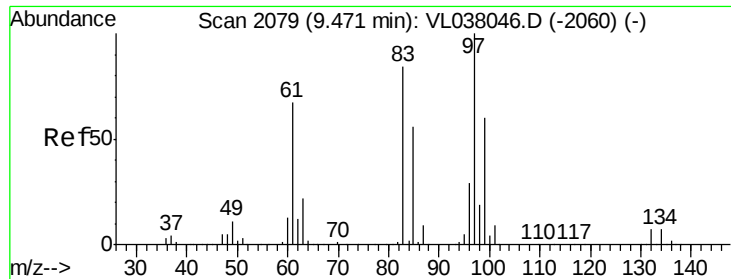
Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



Time-->

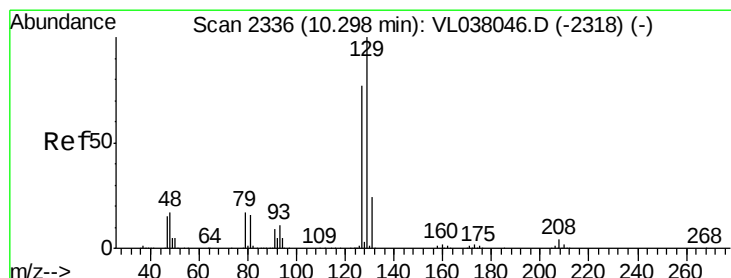
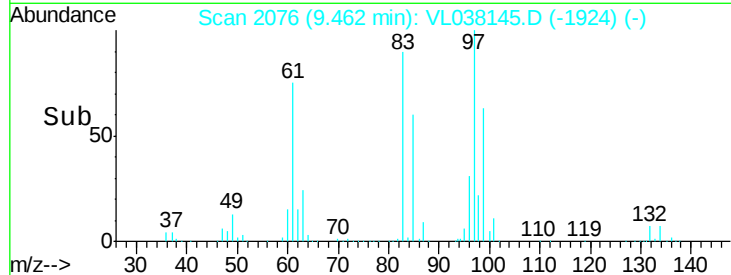
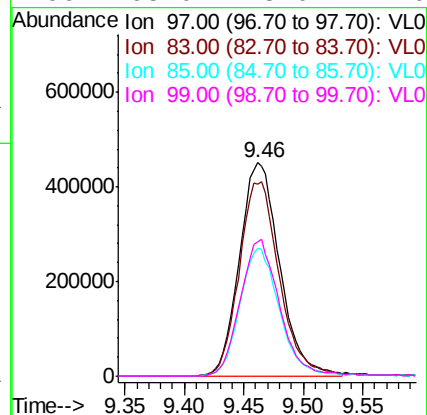
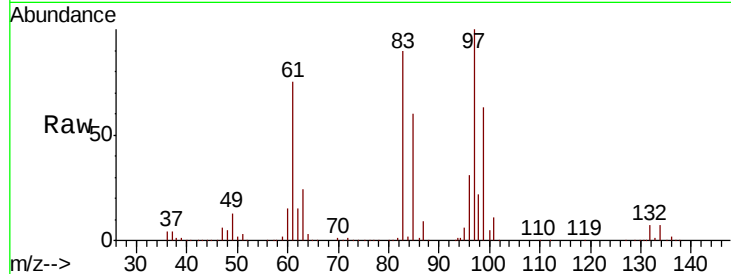




#47
 1,1,2-Trichloroethane
 Concen: 10.621 ppbv
 RT: 9.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL1207ABS01
 Acq: 7 Dec 2021 11:34

Tot Ion: 97 Resp: 1056824

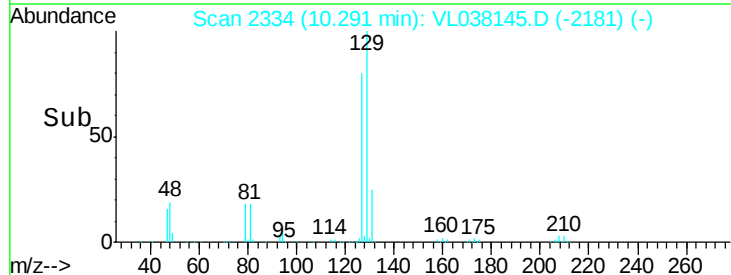
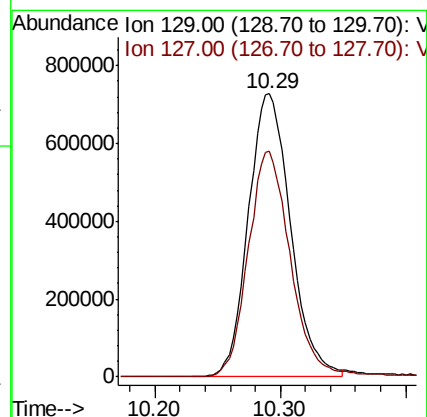
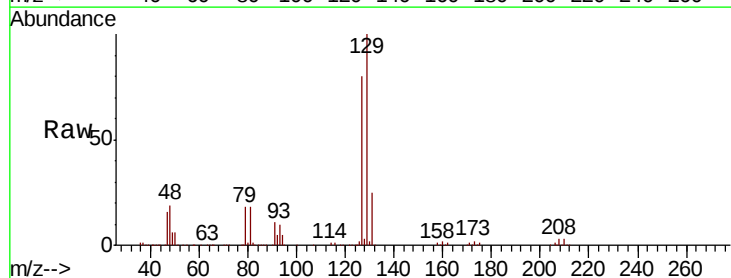
Ion	Ratio	Lower	Upper
97	100		
83	90.1	66.8	100.2
85	59.9	44.9	67.3
99	63.0	48.0	72.0

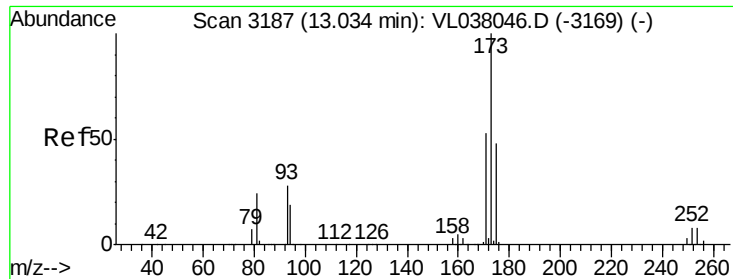


#48
 Dibromochloromethane
 Concen: 11.260 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

Tgt Ion: 129 Resp: 1706277

Ion	Ratio	Lower	Upper
129	100		
127	81.1	39.4	118.1





#49

Bromoform

Concen: 11.609 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 11:34

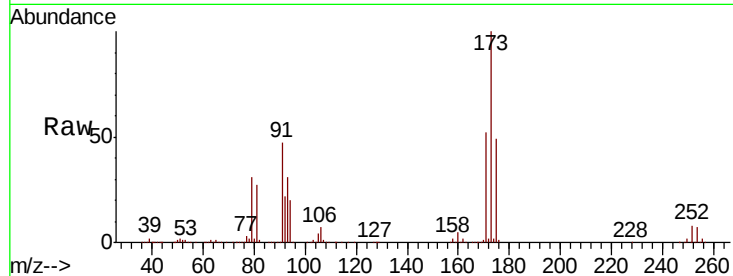
Tot Ion:173 Resp: 1258454

Ion Ratio Lower Upper

173 100

175 50.7 42.5 63.7

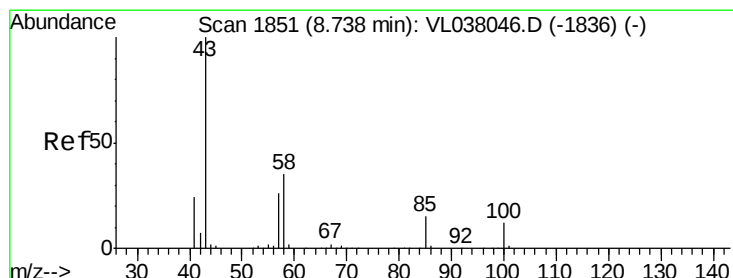
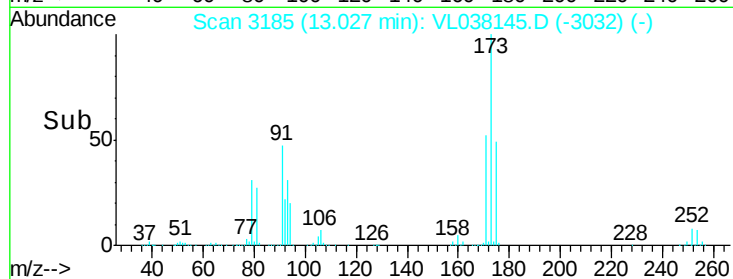
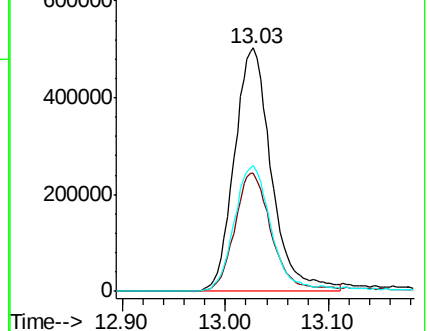
171 53.8 44.0 66.0



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: 11.654 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.01 min

Lab File: VL038145.D

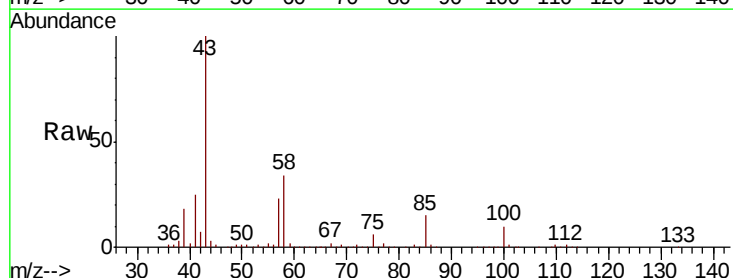
Acq: 7 Dec 2021 11:34

Tgt Ion: 43 Resp: 1771970

Ion Ratio Lower Upper

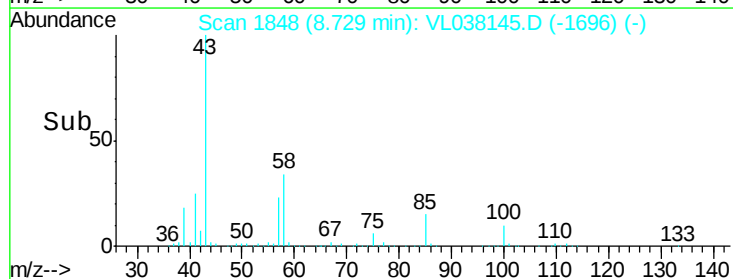
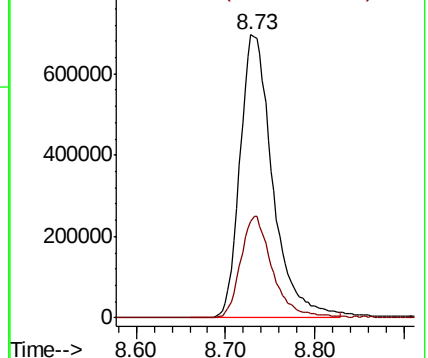
43 100

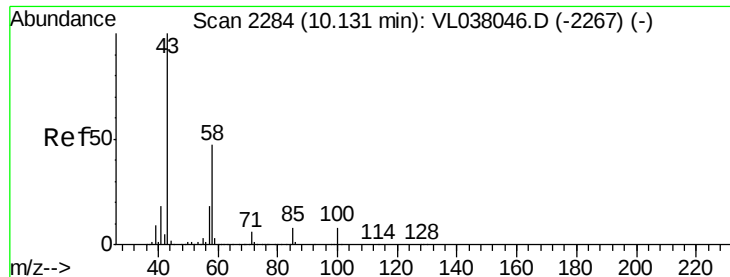
58 35.5 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

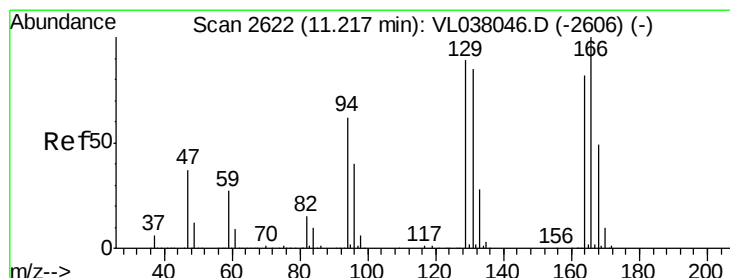
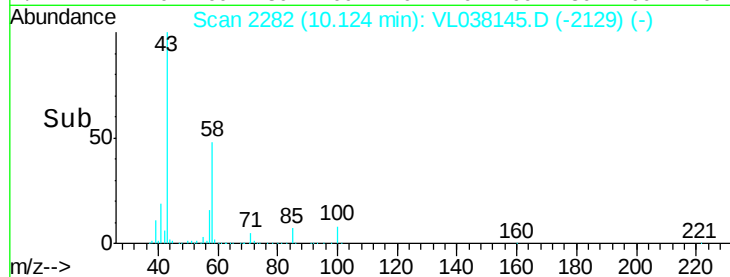
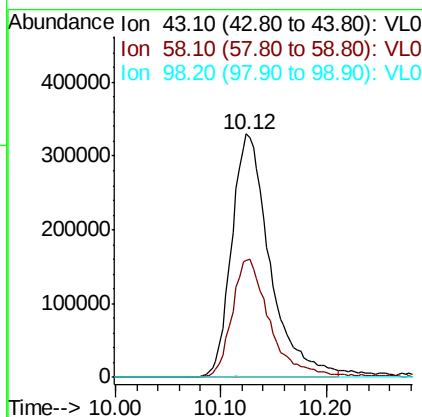
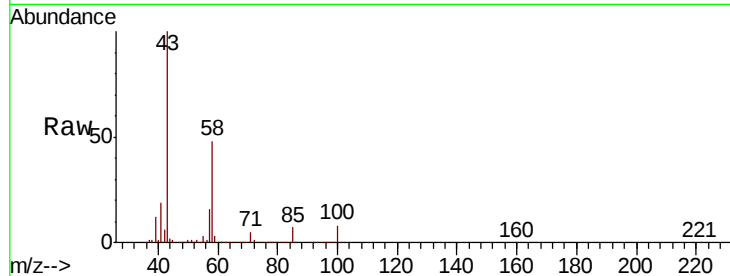
Ion 58.10 (57.80 to 58.80): VL0





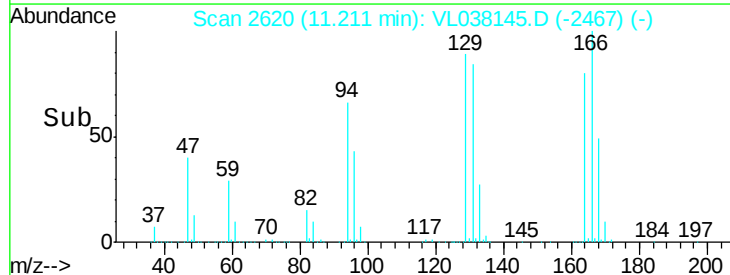
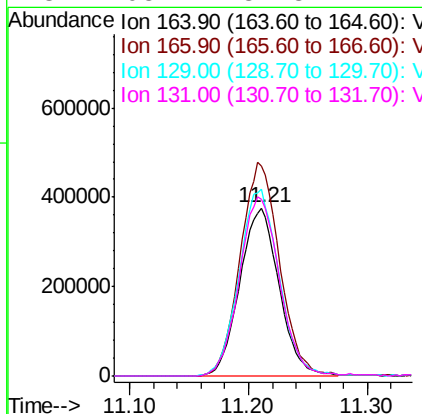
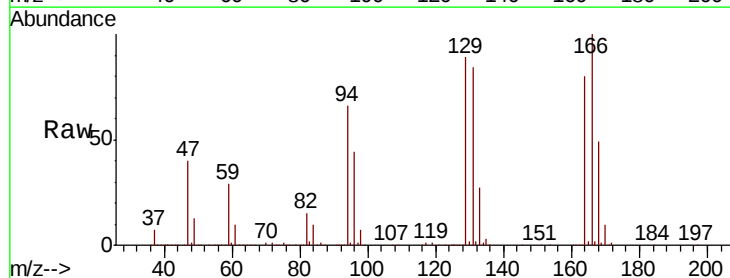
#51
2-Hexanone
Concen: 11.547 ppbv
RT: 10.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 7 Dec 2021 11:34

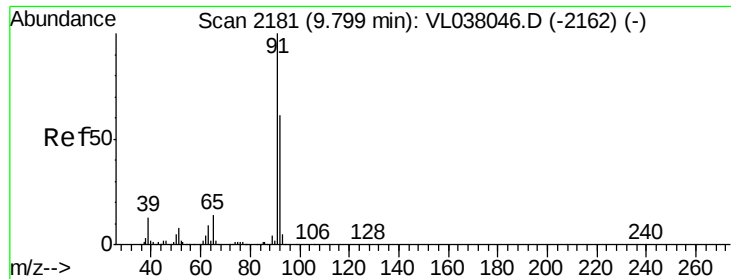
Tot Ion	Ratio	Lower	Upper
43	100		
58	48.7	41.1	61.7
98	0.3	0.1	0.1#



#52
Tetrachloroethene
Concen: 9.377 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	97.2	145.8
129	111.6	86.9	130.3
131	105.1	82.8	124.2





#53

Toluene

Concen: 10.421 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

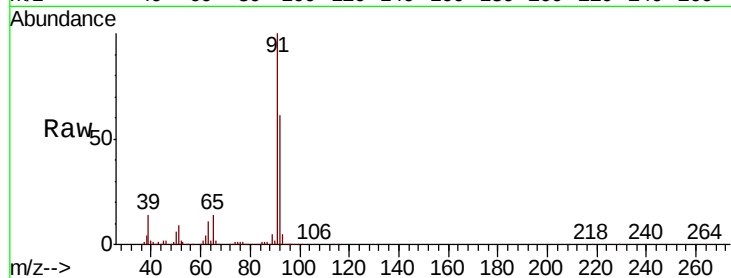
Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion: 91 Resp: 2969556

Ion Ratio Lower Upper

91 100

92 60.9 49.7 74.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

1500000 Ion 92.10 (91.80 to 92.80): VL0

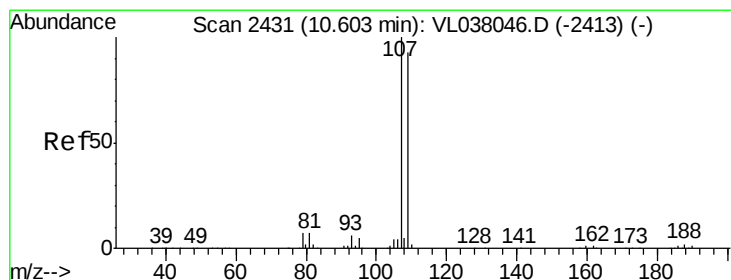
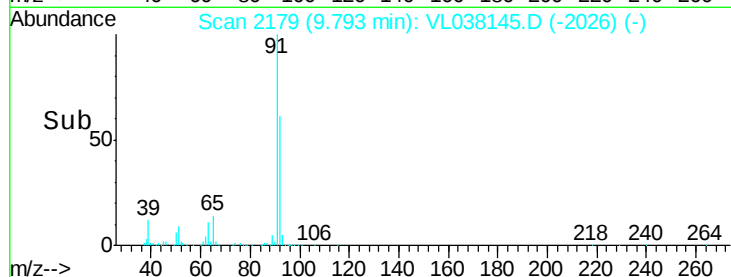
9.79

1000000

500000

0

Time--> 9.70 9.80 9.90



#54

1,2-Dibromoethane

Concen: 10.905 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.01 min

Lab File: VL038145.D

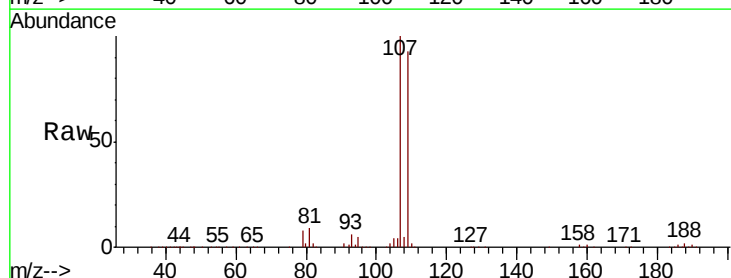
Acq: 7 Dec 2021 11:34

Tgt Ion: 107 Resp: 1532738

Ion Ratio Lower Upper

107 100

109 92.8 74.6 111.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.60

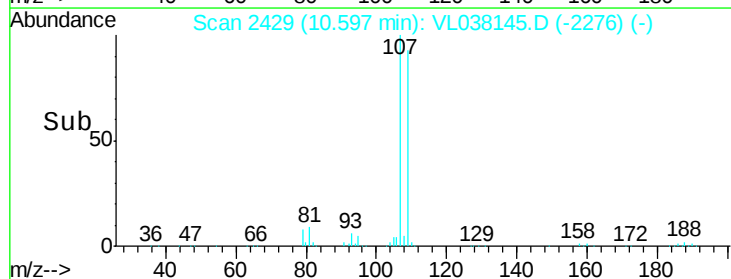
600000

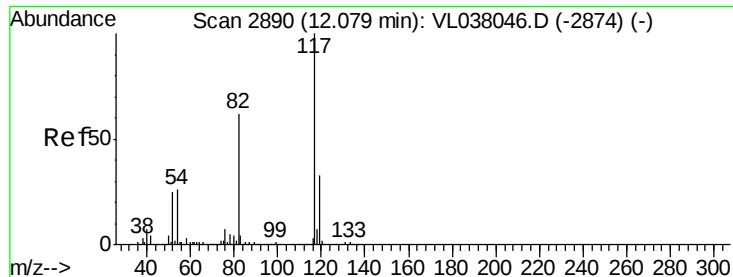
400000

200000

0

Time--> 10.50 10.60 10.70

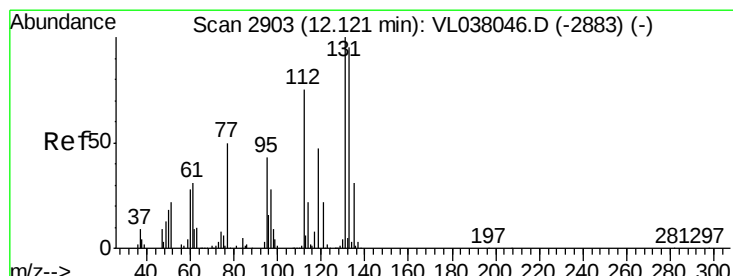
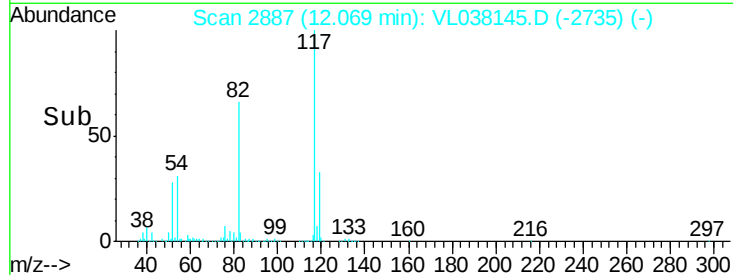
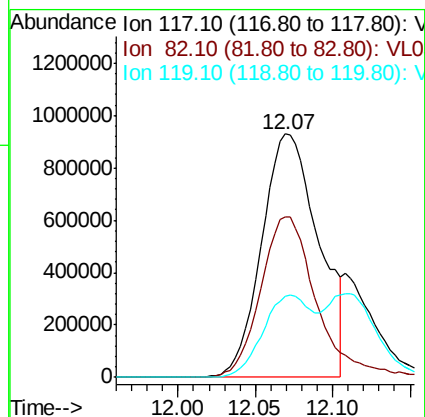
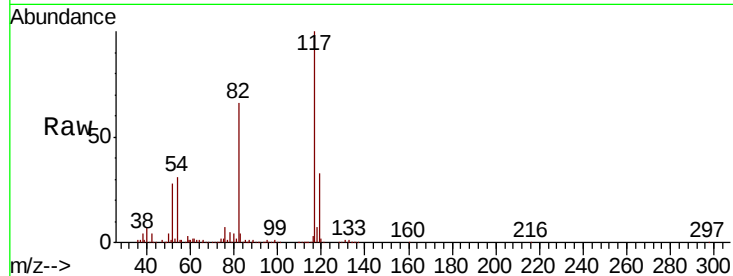




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

Tot Ion:117 Resp: 2384893

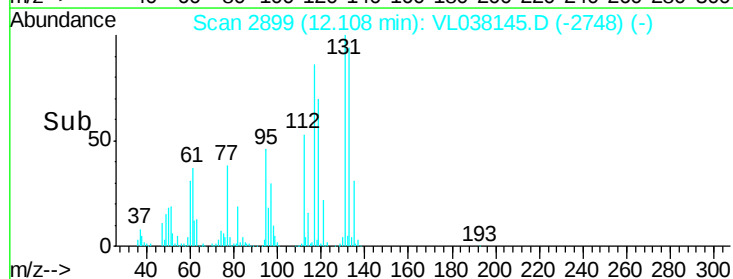
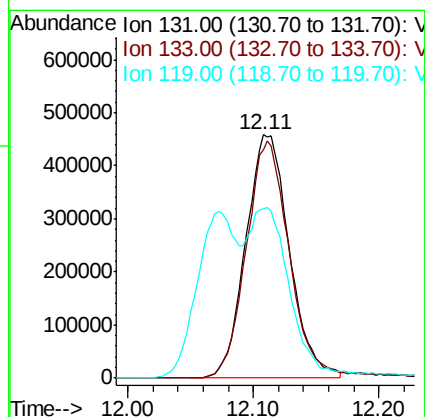
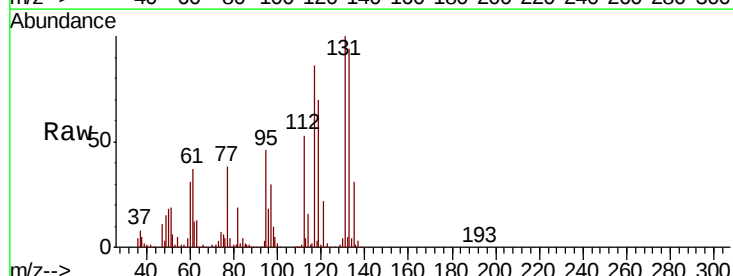
Ion	Ratio	Lower	Upper
117	100		
82	66.8	52.8	79.2
119	28.4	26.8	40.2

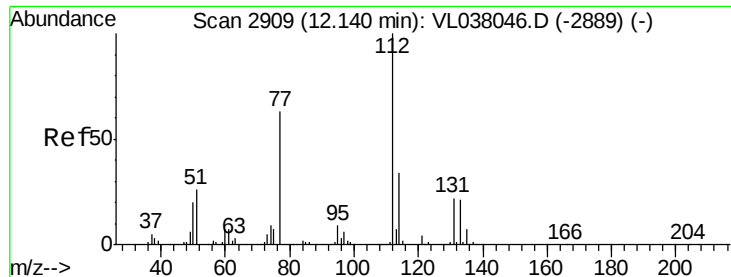


#56
1,1,1,2-Tetrachloroethane
Concen: 10.240 ppbv
RT: 12.11 min Scan# 2899
Delta R.T.: -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion:131 Resp: 1108649

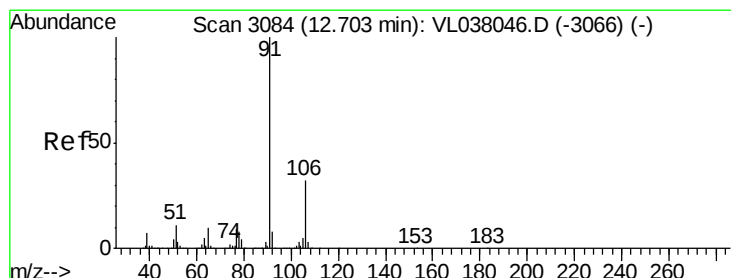
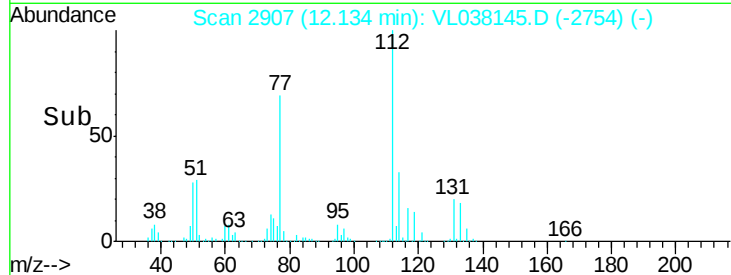
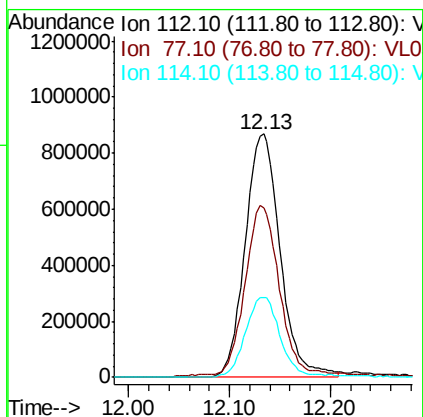
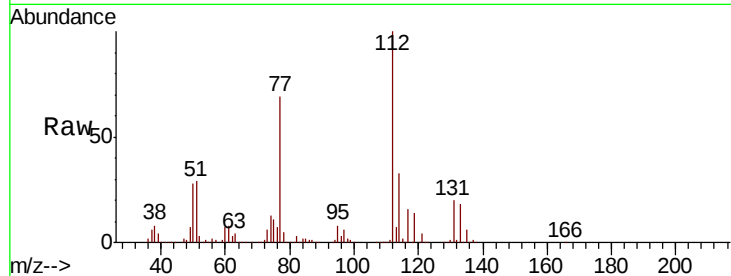
Ion	Ratio	Lower	Upper
131	100		
133	98.7	78.8	118.2
119	76.1	56.3	84.5





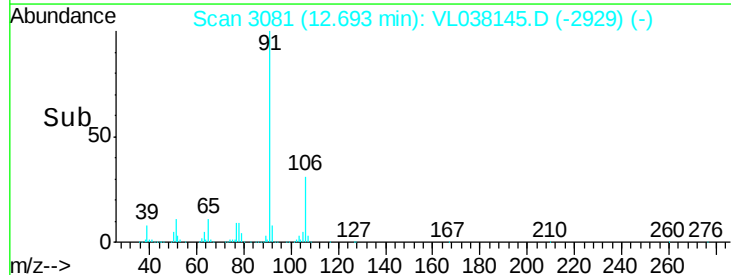
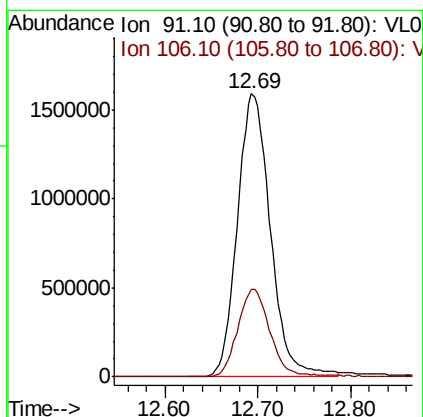
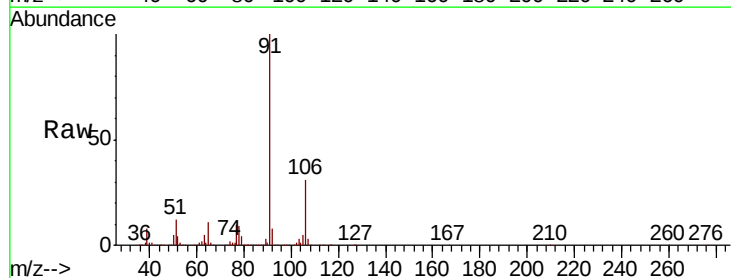
#57
Chlorobenzene
Concen: 9.763 ppbv
RT: 12.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

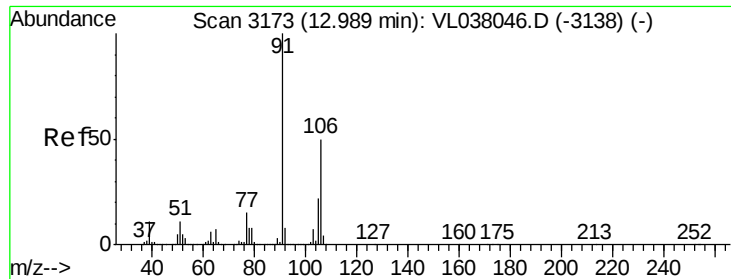
Tot Ion: 112 Resp: 2086881
Ion Ratio Lower Upper
112 100
77 68.5 50.3 75.5
114 32.9 30.7 37.5



#58
Ethyl Benzene
Concen: 9.995 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 91 Resp: 3939826
Ion Ratio Lower Upper
91 100
106 30.9 25.8 38.6





#59

m/p-Xylene

Concen: 10.046 ppbv

RT: 12.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

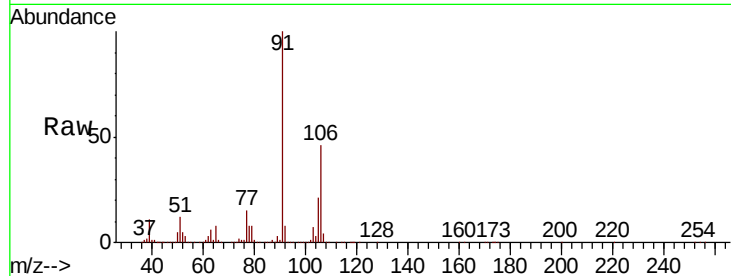
Acq: 7 Dec 2021 11:34

Tot Ion: 91 Resp: 3333580

Ion Ratio Lower Upper

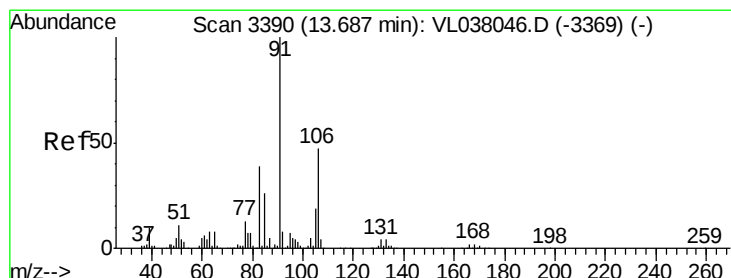
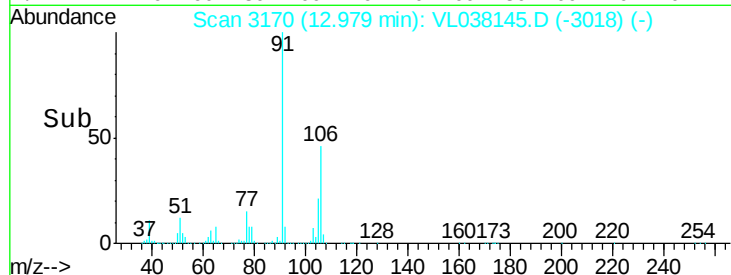
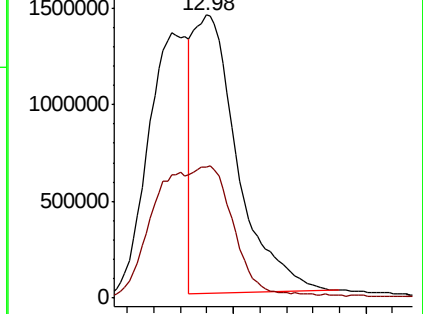
91 100

106 86.8 38.1 57.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 9.534 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VL038145.D

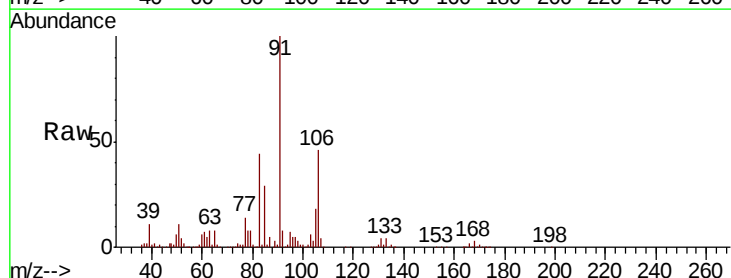
Acq: 7 Dec 2021 11:34

Tgt Ion: 91 Resp: 2934655

Ion Ratio Lower Upper

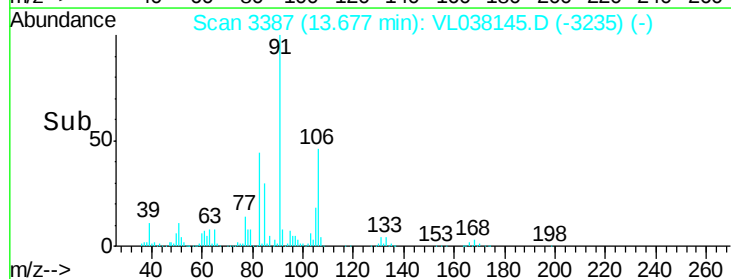
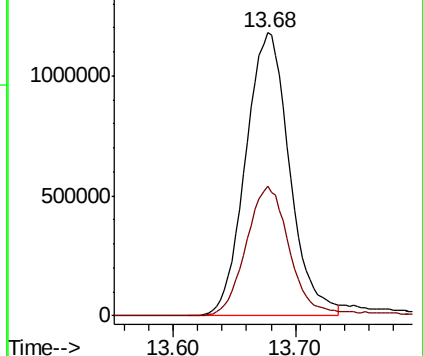
91 100

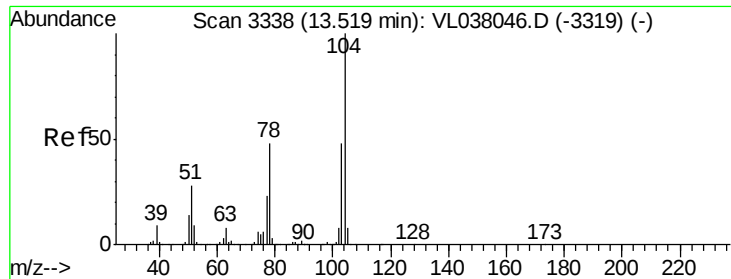
106 47.2 24.2 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

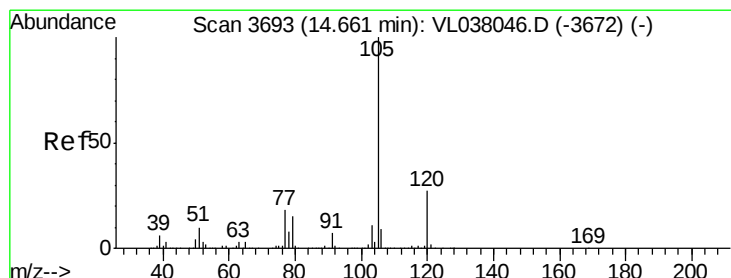
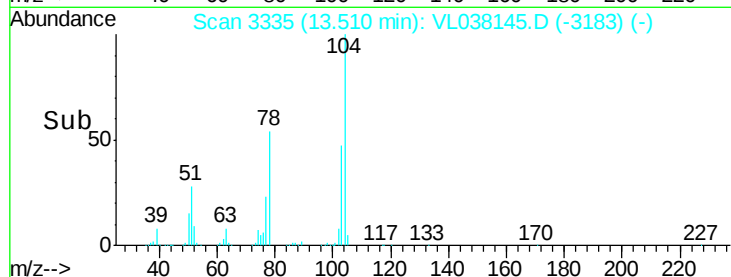
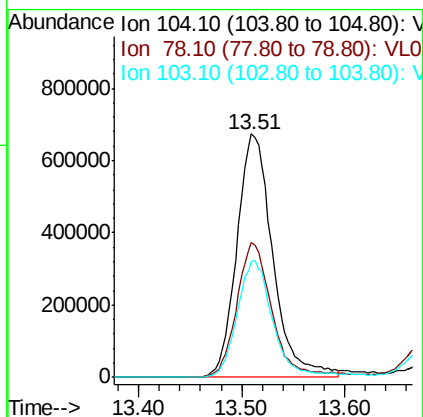
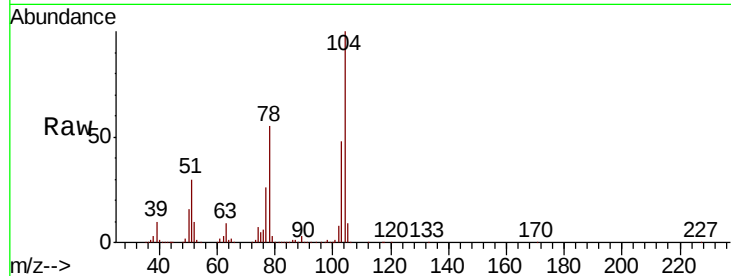
Ion 106.10 (105.80 to 106.80): V





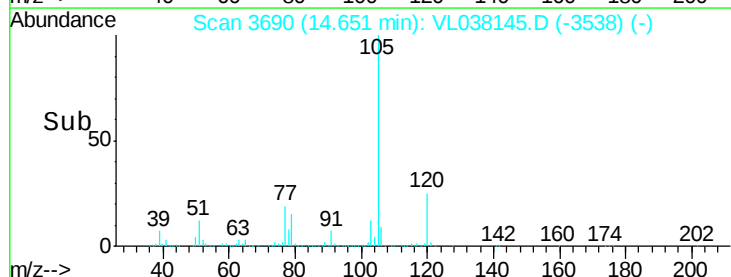
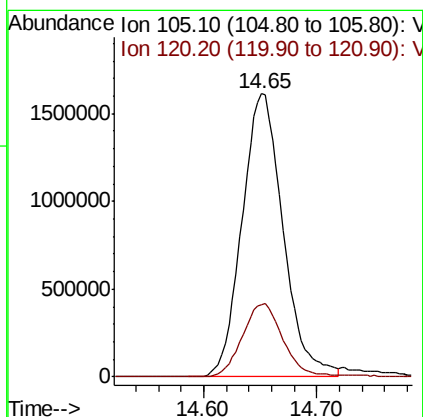
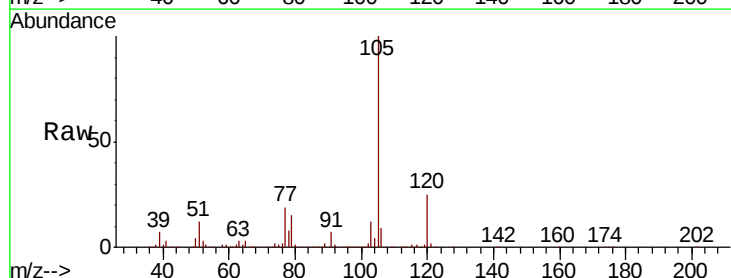
#61
Stvrene
Concen: 9.922 ppbv
RT: 13.51
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

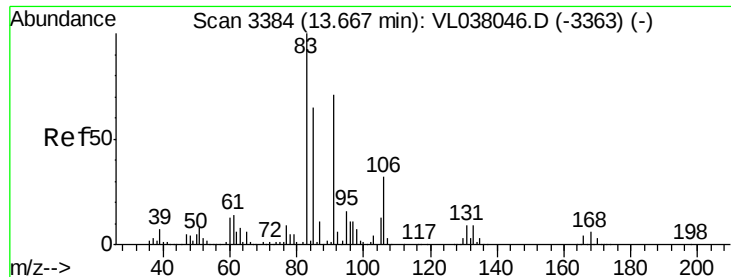
Tot Ion:104 Resp: 1637379
Ion Ratio Lower Upper
104 100
78 54.7 39.8 59.6
103 48.0 38.2 57.2



#62
Isopropylbenzene
Concen: 9.315 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

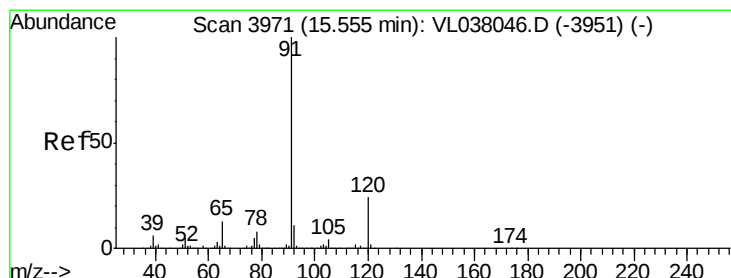
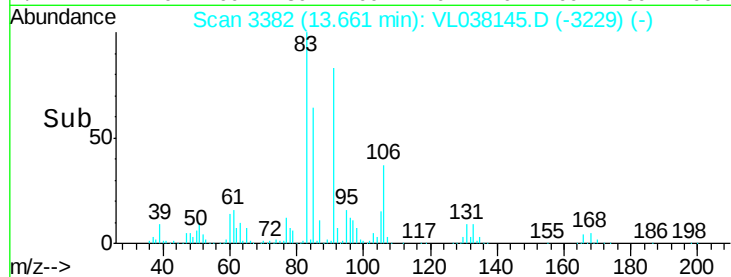
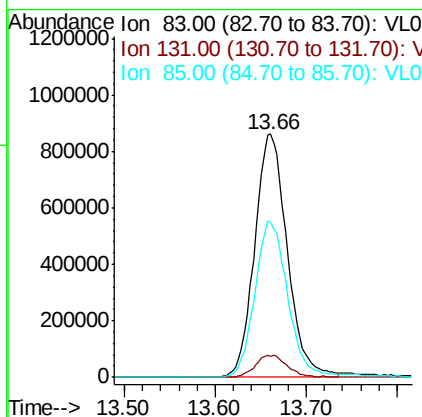
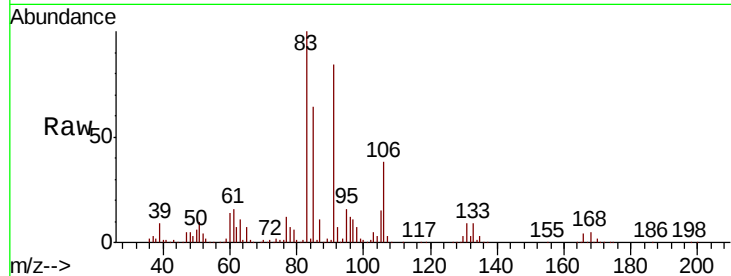
Tgt Ion:105 Resp: 4070021
Ion Ratio Lower Upper
105 100
120 26.5 21.8 32.6





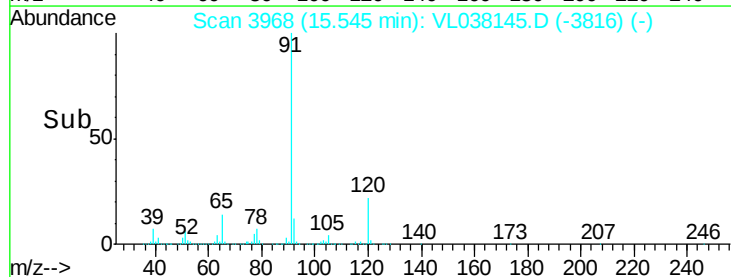
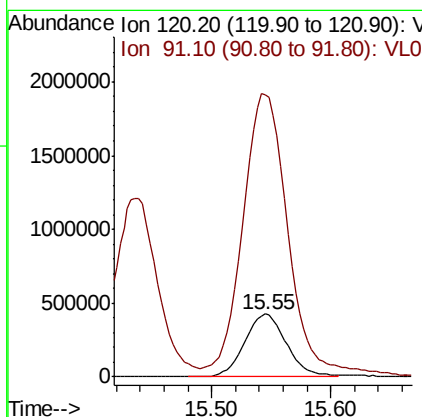
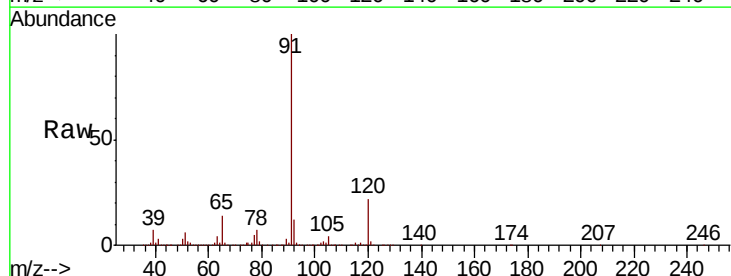
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.357 ppbv
 RT: 13.66
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL1207ABS01
 Acq: 7 Dec 2021 11:34

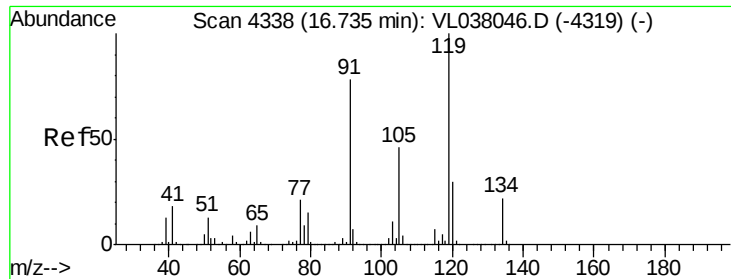
Tot Ion: 83 Resp: 2139394
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.9 14.7
 85 66.3 33.4 100.1



#64
 n-propylbenzene
 Concen: 9.342 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

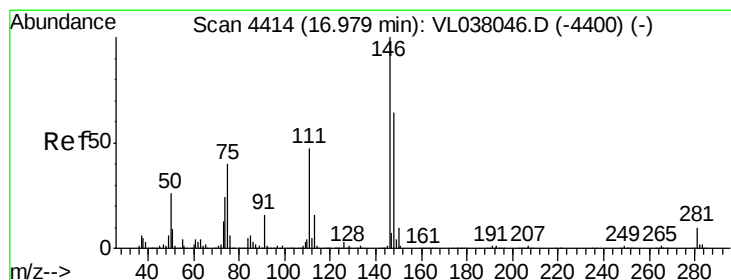
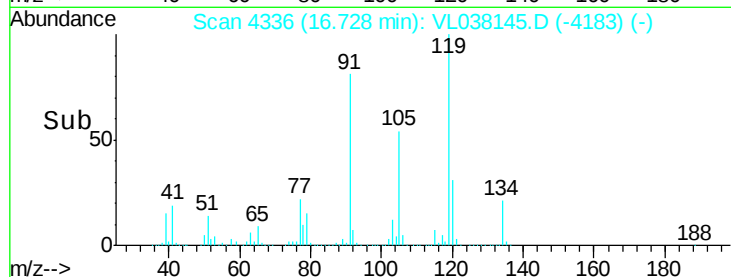
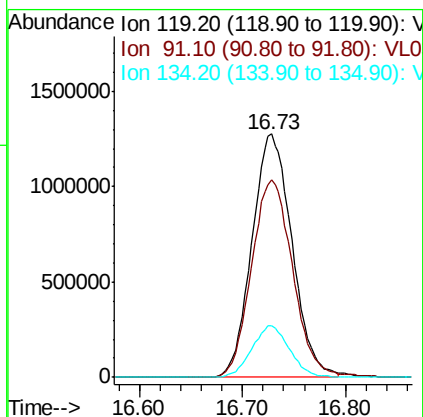
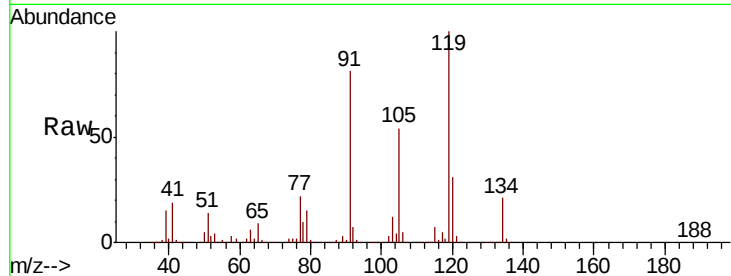
Tgt Ion:120 Resp: 1039903
 Ion Ratio Lower Upper
 120 100
 91 492.8 371.7 557.5





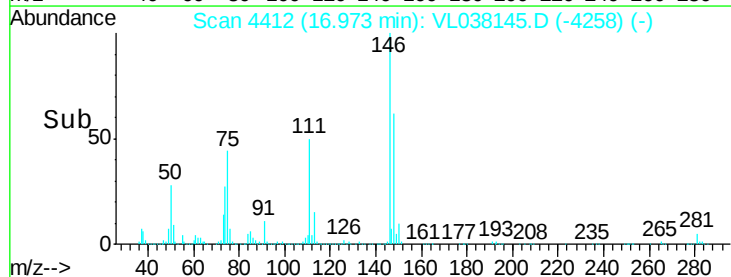
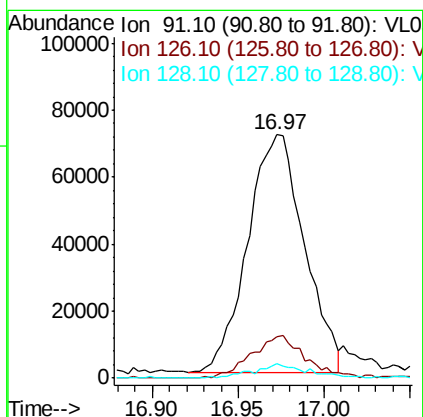
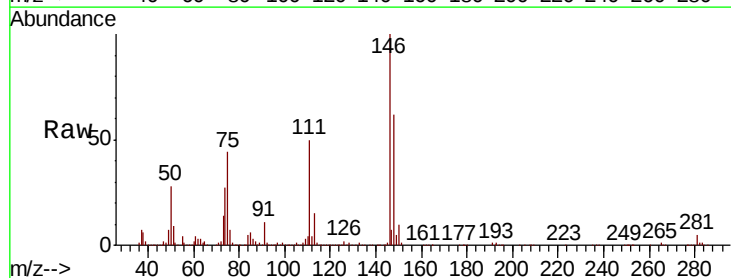
#65
tert-Butylbenzene
Concen: 8.911 ppbv
RT: 16.73 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

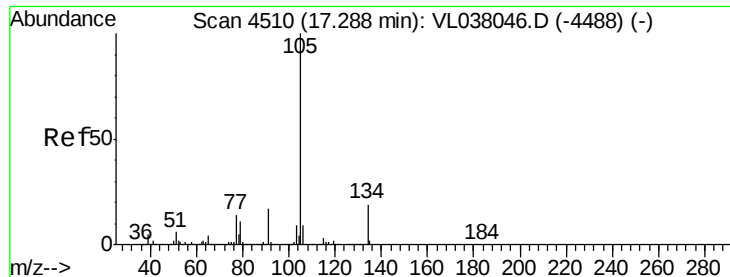
Tot Ion: 119 Resp: 3430446
Ion Ratio Lower Upper
119 100
91 83.9 63.2 94.8
134 20.1 16.1 24.1



#66
Benzyl Chloride
Concen: 8.359 ppbv
RT: 16.97 min Scan# 4412
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 91 Resp: 163074
Ion Ratio Lower Upper
91 100
126 17.6 15.5 23.3
128 5.7 5.6 8.4





#67

sec-Butylbenzene

Concen: 9.128 ppbv

RT: 17.28 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

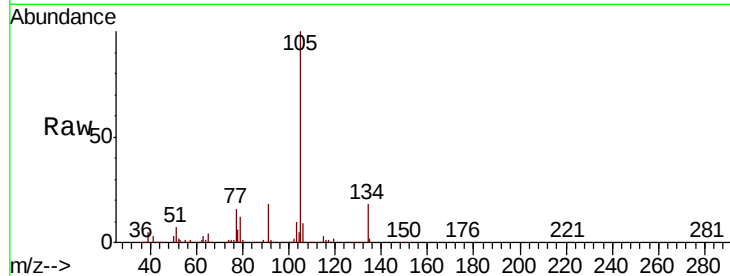
Acq: 7 Dec 2021 11:34

Tot Ion: 105 Resp: 4896364

Ion Ratio Lower Upper

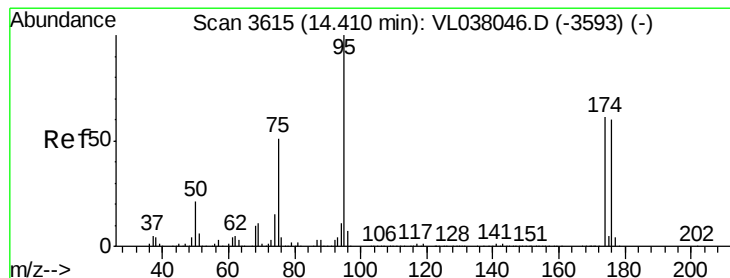
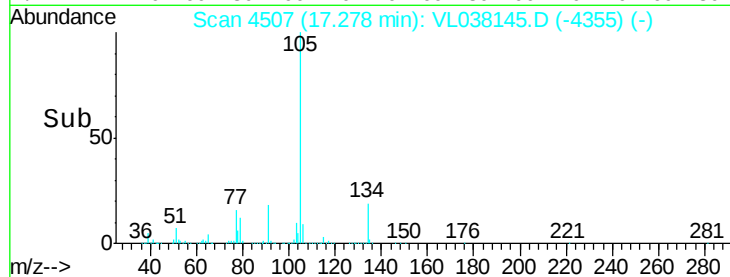
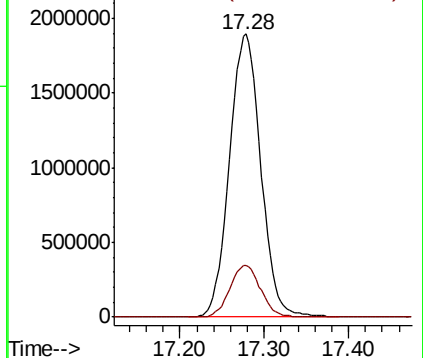
105 100

134 18.0 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.506 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

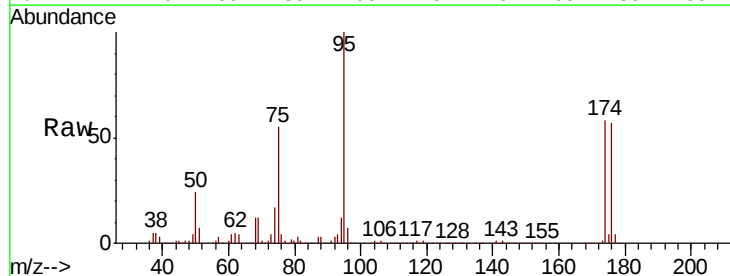
Tgt Ion: 95 Resp: 1807294

Ion Ratio Lower Upper

95 100

174 62.5 53.1 79.7

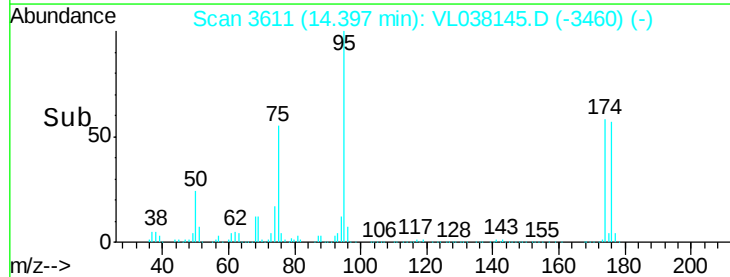
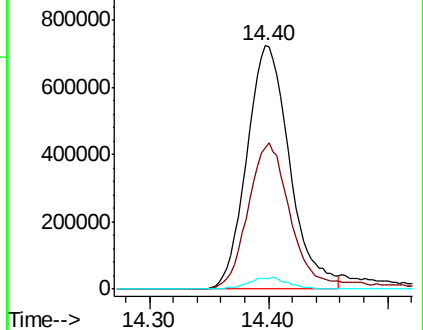
175 4.6 4.0 6.0

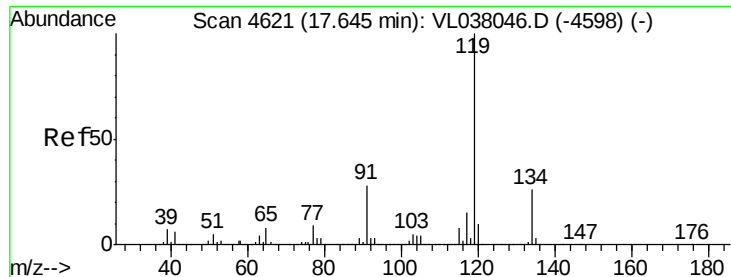


Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

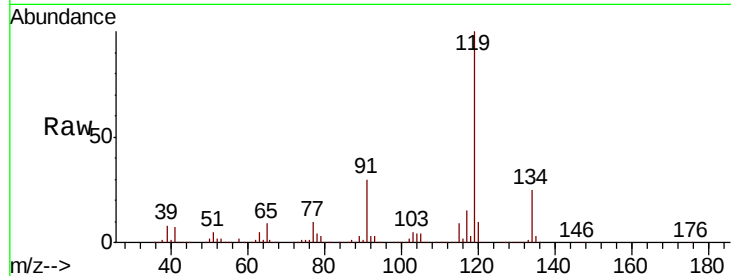
Ion 175.00 (174.70 to 175.70): V



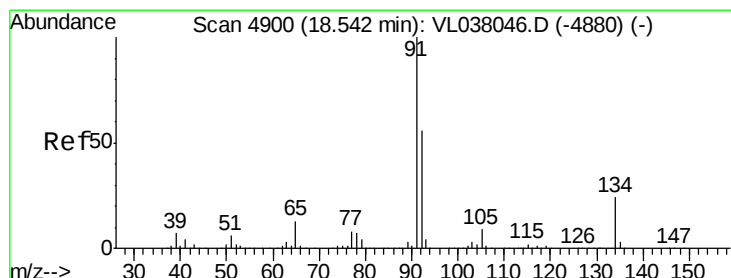
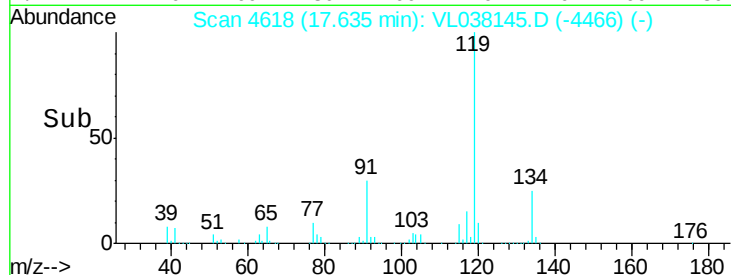
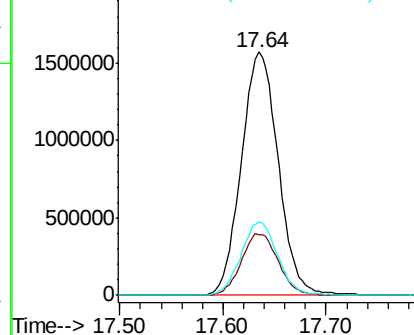


#69
 p-Isopropyltoluene
 Concen: 9.310 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1207ABS01
 Acq: 7 Dec 2021 11:34

Tot Ion: 119 Resp: 3906559
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.6 30.8
 91 30.0 22.2 33.4

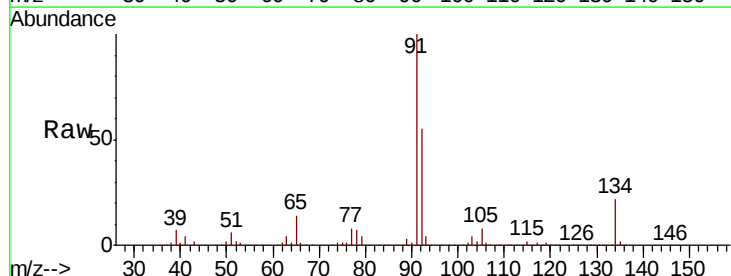


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

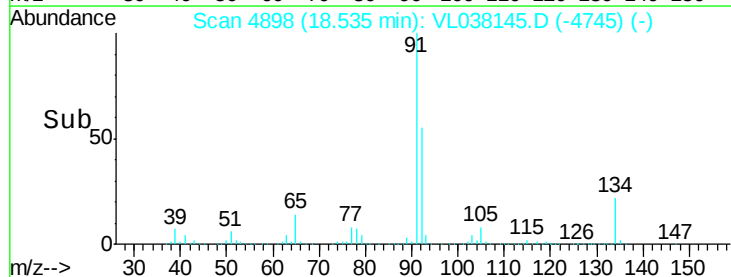
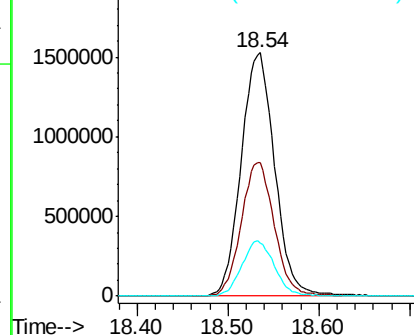


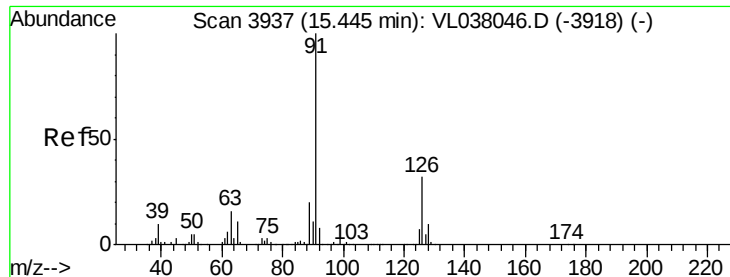
#70
 n-Butylbenzene
 Concen: 9.729 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T.: -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

Tgt Ion: 91 Resp: 3903168
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.1 66.1
 134 22.2 18.9 28.3



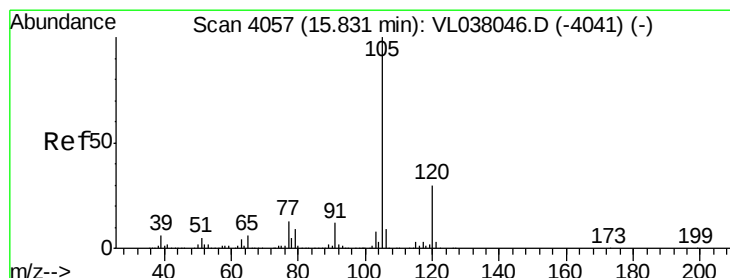
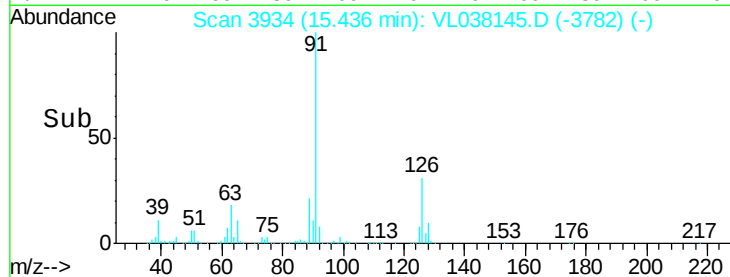
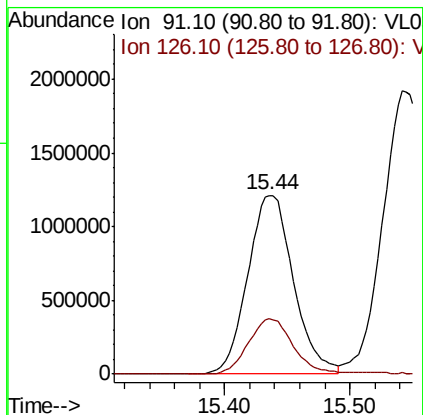
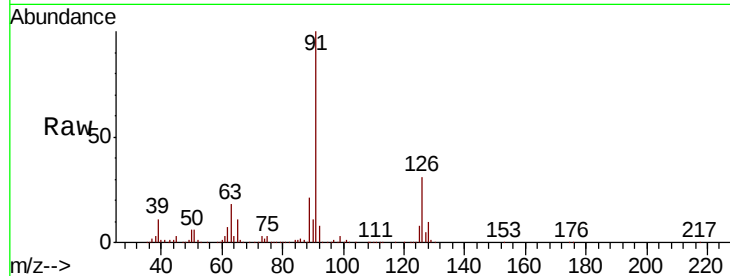
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





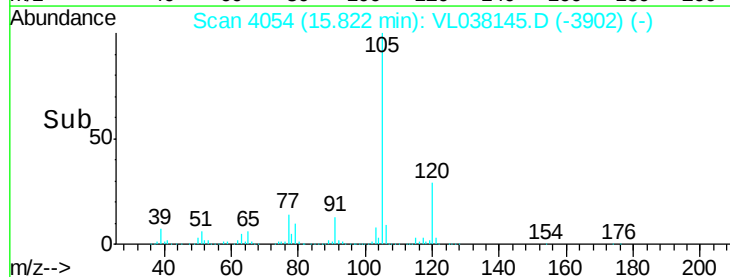
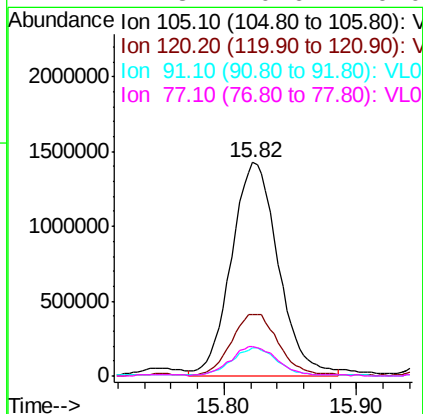
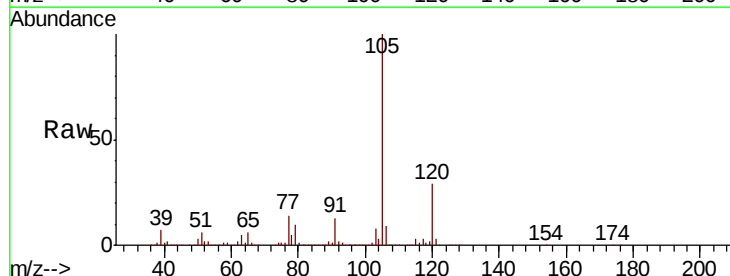
#71
 2-Chlorotoluene
 Concen: 9.634 ppbv
 RT: 15.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 VL1207ABS01
 Acq: 7 Dec 2021 11:34

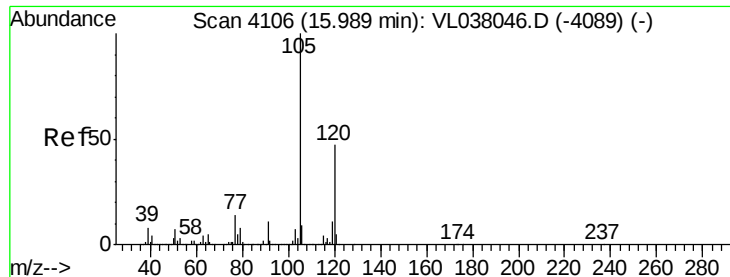
Tot Ion: 91 Resp: 3077604
 Ion Ratio Lower Upper
 91 100
 126 31.5 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 9.818 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

Tgt Ion:105 Resp: 3504076
 Ion Ratio Lower Upper
 105 100
 120 29.8 25.1 37.7
 91 12.4 9.7 14.5
 77 14.3 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 9.623 ppbv

RT: 15.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

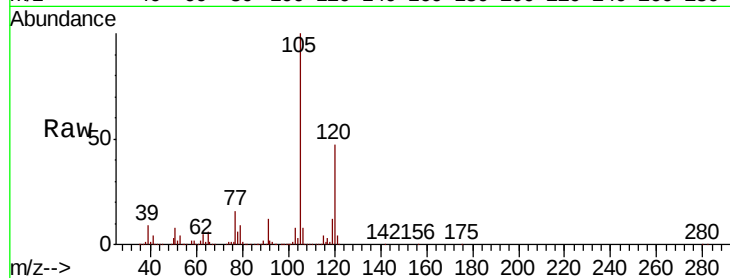
Acq: 7 Dec 2021 11:34

Tot Ion:105 Resp: 3136614

Ion Ratio Lower Upper

105 100

120 47.5 37.8 56.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

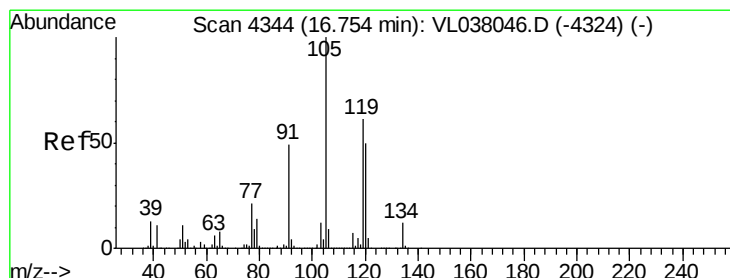
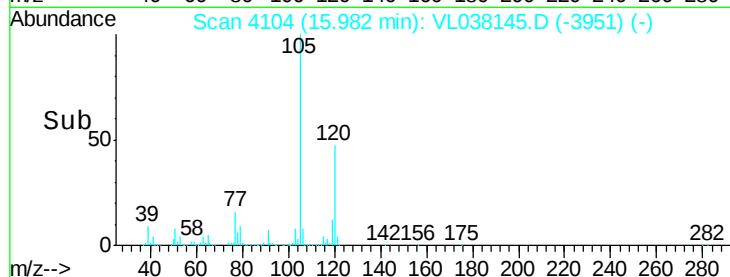
15.98

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.381 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

Tgt Ion:105 Resp: 3151177

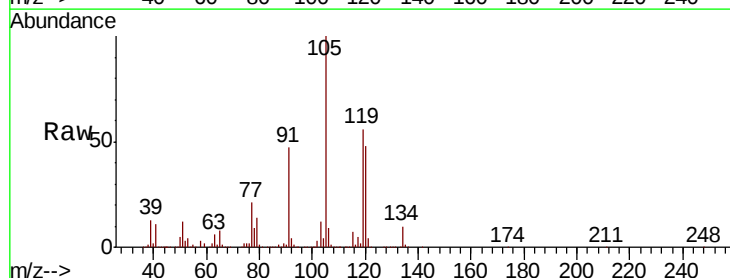
Ion Ratio Lower Upper

105 100

120 48.1 40.1 60.1

91 46.1 39.8 59.8

77 20.8 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

2000000

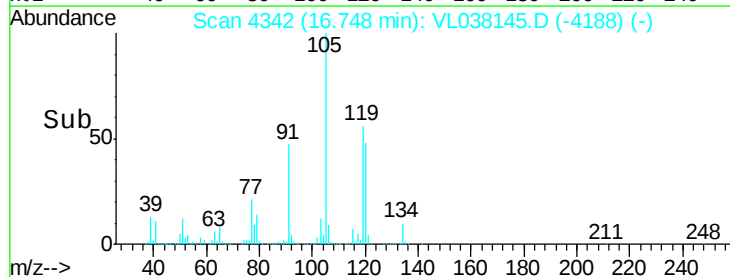
1500000

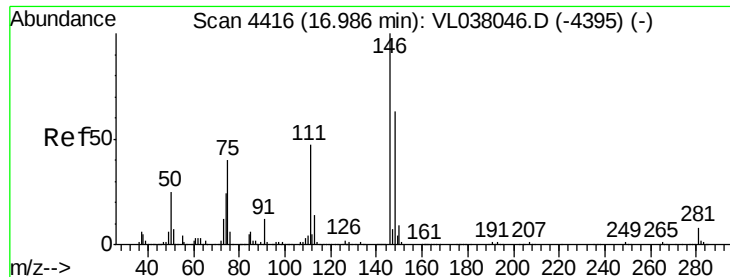
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.328 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34

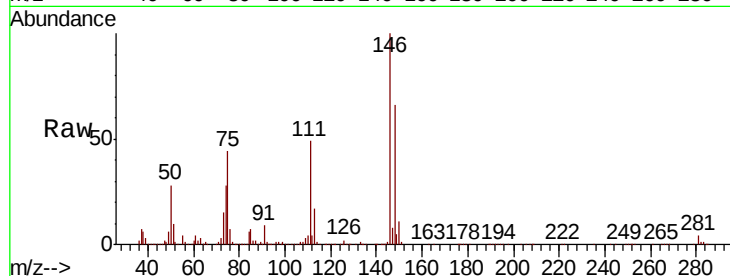
Tot Ion:146 Resp: 1721014

Ion Ratio Lower Upper

146 100

111 49.6 23.5 70.6

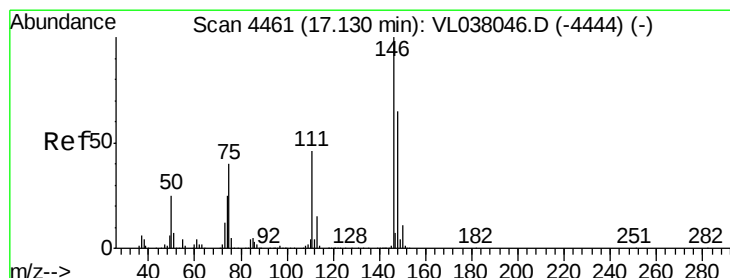
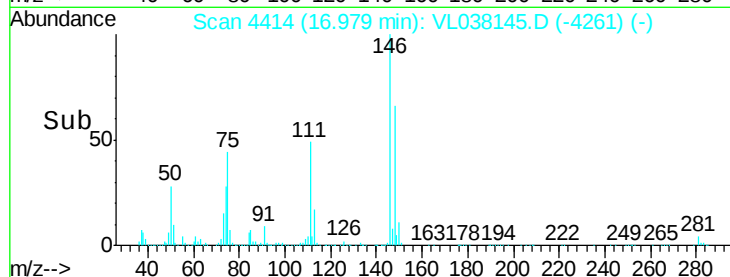
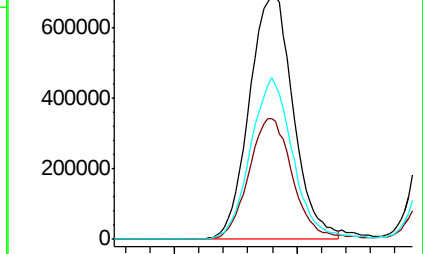
148 64.0 32.1 96.3



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: 8.937 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

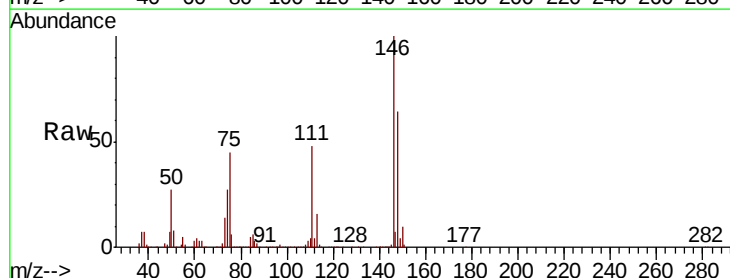
Tgt Ion:146 Resp: 1659305

Ion Ratio Lower Upper

146 100

111 50.0 23.8 71.5

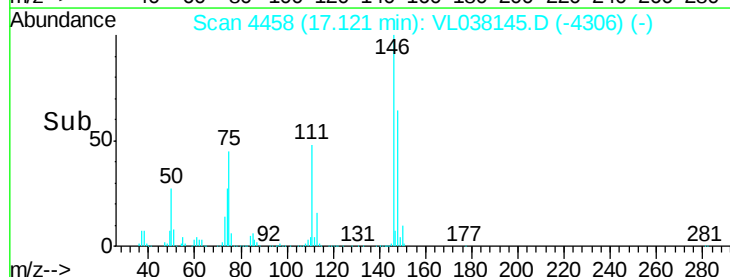
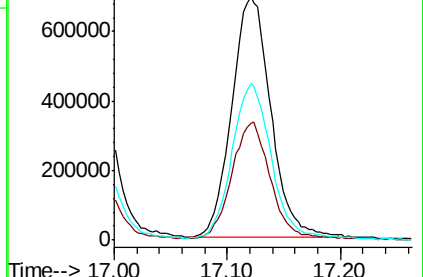
148 67.0 33.2 99.6

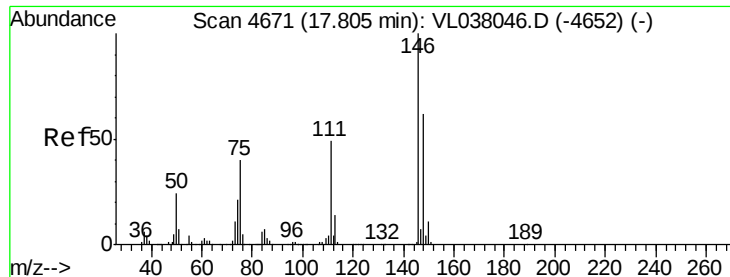


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.173 ppbv

RT: 17.80 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34

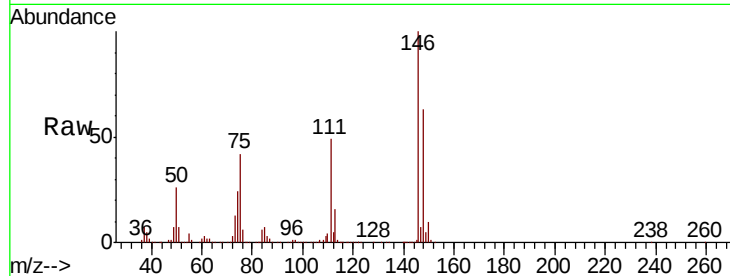
Tot Ion:146 Resp: 1638612

Ion Ratio Lower Upper

146 100

111 50.4 24.8 74.4

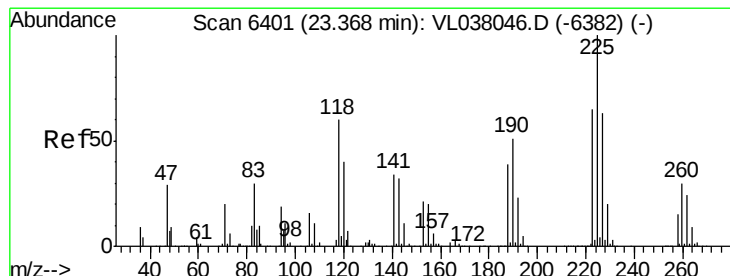
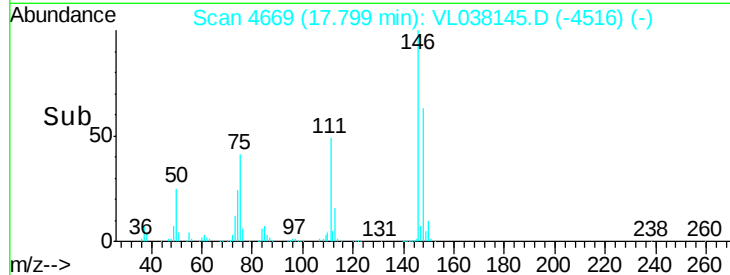
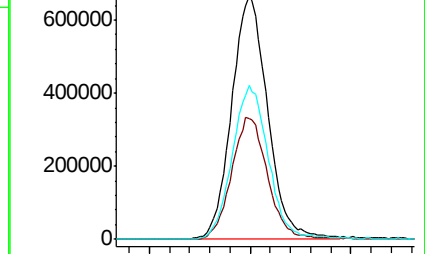
148 63.7 32.3 96.9



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: 8.168 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

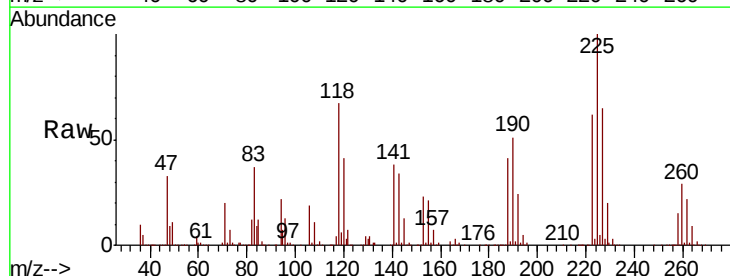
Tgt Ion:225 Resp: 910999

Ion Ratio Lower Upper

225 100

223 64.0 52.3 78.5

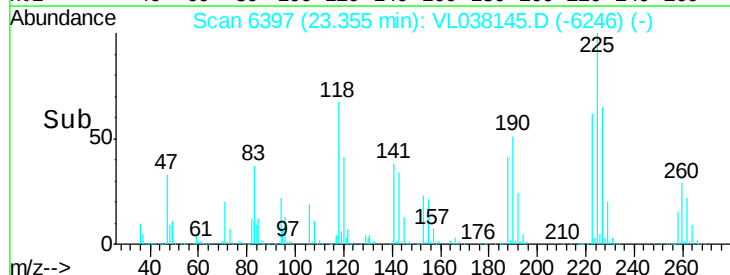
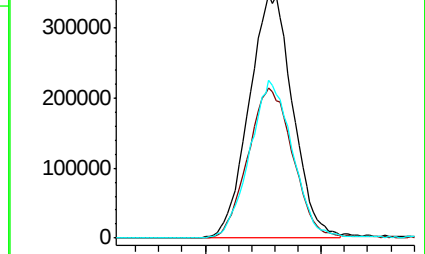
227 64.2 52.4 78.6

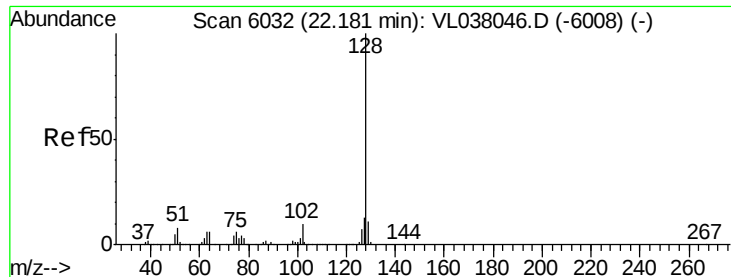


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

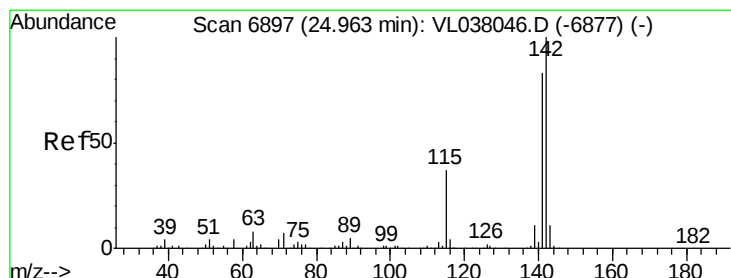
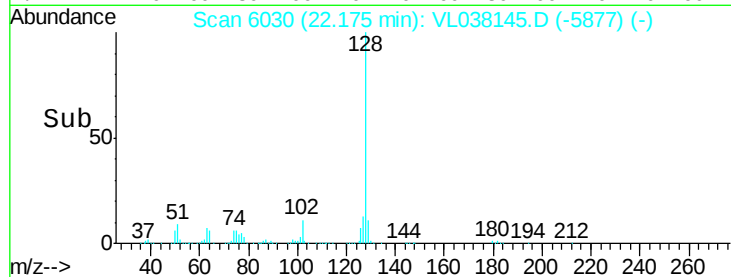
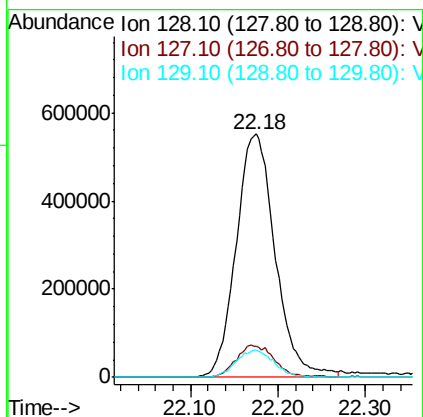
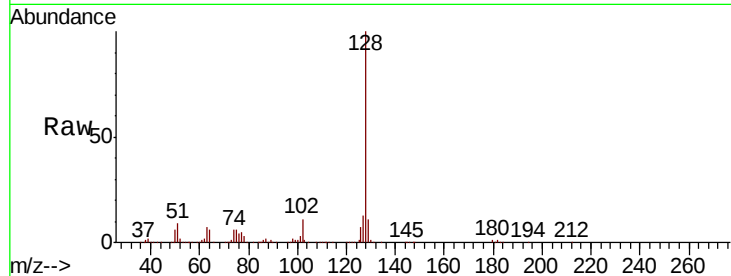




#79
Naphthalene
Concen: 9.655 ppbv
RT: 22.18 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

Tot Ion:128 Resp: 1707918

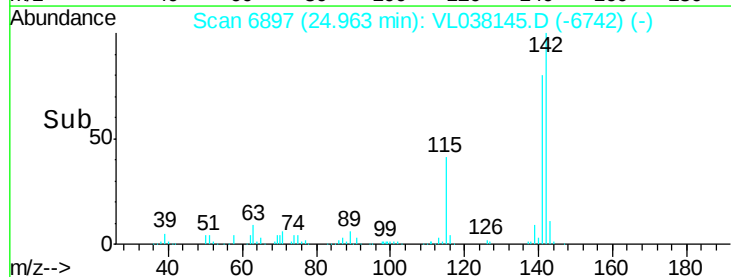
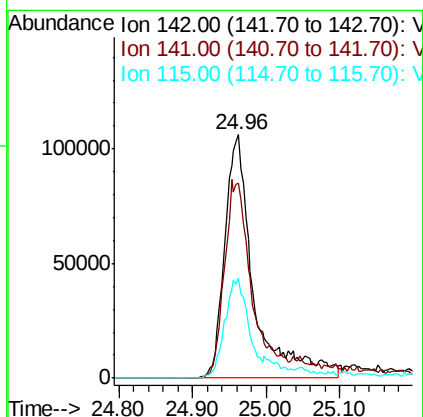
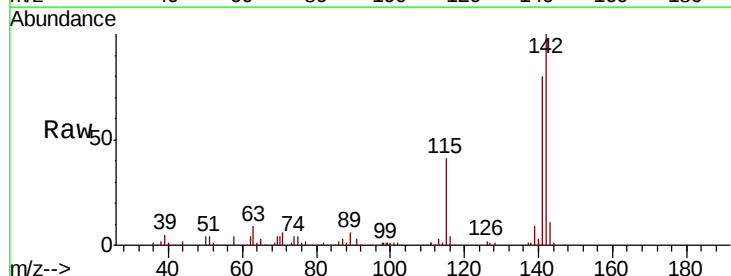
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.4	8.9	13.3

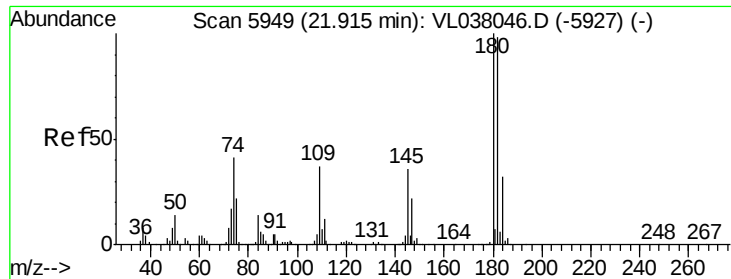


#80
Naphthalene, 2-methyl-
Concen: 7.690 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion:142 Resp: 291510

Ion	Ratio	Lower	Upper
142	100		
141	87.3	67.3	100.9
115	41.2	28.9	43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.147 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL1207ABS01
 Acq: 7 Dec 2021 11:34

Tot Ion:	180	Resp:	929806
Ion Ratio	Lower	Upper	
180	100		
182	99.4	77.4	116.2
184	30.8	25.0	37.4

