

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038077.D
 Acq On : 19 Nov 2021 7:15
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Nov 22 05:25:33 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	5.65	49	738025	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2205347	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2519482	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1480281	8.15	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1208051	9.910 ppbv	99
3) Chlorodifluoromethane	2.99	51	1494356	9.642 ppbv	100
4) Chloromethane	3.14	50	500695	9.490 ppbv	100
5) Vinyl Chloride	3.26	62	515995	9.969 ppbv	94
6) Bromomethane	3.47	94	282003	10.171 ppbv	98
7) Chloroethane	3.56	64	168586	9.177 ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1178272	9.716 ppbv	100
9) Propene	3.01	41	539146	9.445 ppbv	99
10) Heptane	8.11	43	1349094	9.563 ppbv	99
11) Trichlorofluoromethane	3.94	101	1121408	9.672 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	803787	9.801 ppbv	99
13) Ethanol	3.60	45	47503	8.612 ppbv	98
14) Bromoethene	3.74	108	362209	9.863 ppbv	97
15) Acetone	3.84	43	595991	9.314 ppbv	98
16) 1,3-Butadiene	3.32	39	493207	9.880 ppbv	99
17) tert-Butyl alcohol	4.28	59	713518	9.193 ppbv	100
18) 1,1-Dichloroethene	4.28	96	363483	9.661 ppbv	98
19) Isopropyl Alcohol	3.96	45	432076	9.345 ppbv	# 95
20) Methylene Chloride	4.34	84	299062	8.344 ppbv	95
21) Allyl Chloride	4.40	41	564783	9.535 ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	379458	9.957 ppbv	97
23) Vinyl Acetate	5.06	43	915002	9.878 ppbv	98
24) 1,1-Dichloroethane	5.00	63	786161	10.192 ppbv	98
25) Ethyl Acetate	5.66	43	2050072	9.640 ppbv	99
26) Hexane	5.68	57	953527	9.302 ppbv	99
27) Carbon Disulfide	4.55	76	916169	9.978 ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	866083	9.947 ppbv	100
29) Chloroform	5.74	83	1453103	9.619 ppbv	98
30) Cyclohexane	7.12	84	870847	9.358 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	962348	9.869 ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1465925	9.561 ppbv	99
34) 2-Butanone	5.24	43	853455	9.597 ppbv	98
35) Carbon Tetrachloride	7.01	117	1509513	9.742 ppbv	99
36) Benzene	6.88	78	2111151	9.597 ppbv	100
37) 1,2-Dichloroethane	6.29	62	1075134	10.119 ppbv	99
38) Trichloroethene	7.82	130	767529	9.249 ppbv	98
39) 1,2-Dichloropropane	7.60	63	821343	9.733 ppbv	97
40) 1,4-Dioxane	7.82	88	196048	8.917 ppbv	# 1
41) Tetrahydrofuran	6.04	42	537747	9.741 ppbv	98
42) Bromodichloromethane	7.78	83	1609060	9.962 ppbv	100
43) Methyl Methacrylate	8.00	69	785633	10.439 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3425244	9.306	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	704933	11.677	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	889024	10.888	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	853335	9.655	ppbv	99
48) Dibromochloromethane	10.28	129	1371005	10.186	ppbv	100
49) Bromoform	13.02	173	1013269	10.523	ppbv	97
50) 4-Methyl-2-Pentanone	8.73	43	1362560	10.089	ppbv	100
51) 2-Hexanone	10.12	43	655344	10.314	ppbv	99
52) Tetrachloroethene	11.20	164	705467	8.667	ppbv	96
53) Toluene	9.79	91	2425216	9.582	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1240381	9.936	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	875046	7.651	ppbv	99
57) Chlorobenzene	12.13	112	1707282	7.560	ppbv	99
58) Ethyl Benzene	12.69	91	3185478	7.650	ppbv	100
59) m/p-Xylene	12.98	91	2861520	8.163	ppbv #	46
60) o-Xylene	13.67	91	2400968	7.383	ppbv	99
61) Styrene	13.51	104	1397305	8.015	ppbv	99
62) Isopropylbenzene	14.65	105	3373477	7.308	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	1723245	7.134	ppbv	99
64) n-propylbenzene	15.54	120	894403	7.606	ppbv	98
65) tert-Butylbenzene	16.73	119	2912974	7.163	ppbv	99
66) Benzyl Chloride	16.97	91	160566	7.790	ppbv	97
67) sec-Butylbenzene	17.27	105	4166564	7.353	ppbv	100
69) p-Isopropyltoluene	17.64	119	3409809	7.692	ppbv	99
70) n-Butylbenzene	18.53	91	3374340	7.962	ppbv	100
71) 2-Chlorotoluene	15.44	91	2560822	7.588	ppbv	99
72) 4-Ethyltoluene	15.82	105	2918397	7.740	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	2610747	7.581	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	2700577	7.610	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	1547470	7.940	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	1493897	7.617	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	1469929	7.789	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	792088	6.722	ppbv	98
79) Naphthalene	22.17	128	1539743	8.239	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	383389	9.573	ppbv	96
81) 1,2,4-Trichlorobenzene	21.91	180	839412	7.817	ppbv	100

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

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ClientSampleId :
VSTDCCC010EC

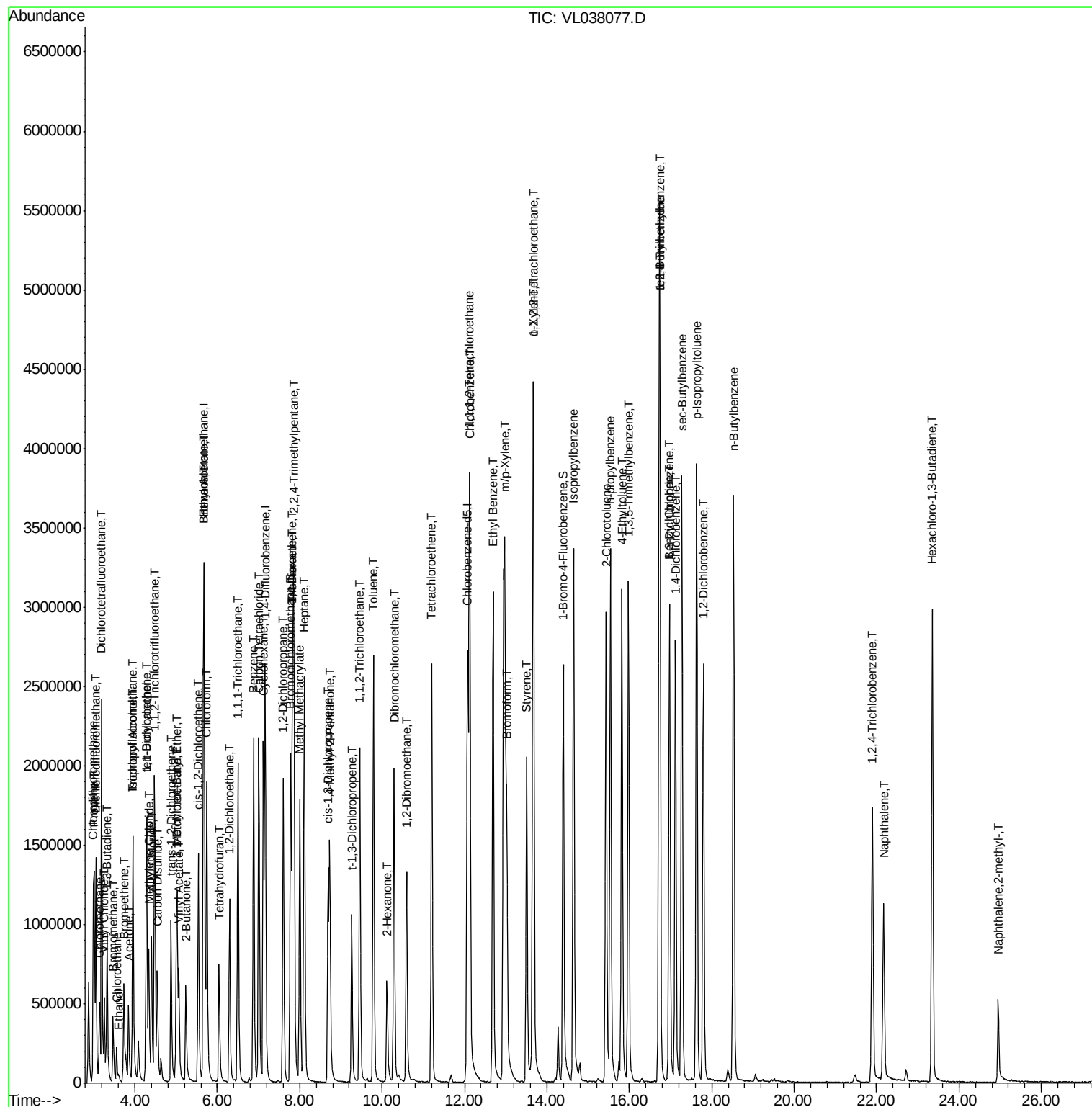
Quant Time: Nov 22 05:25:33 2021

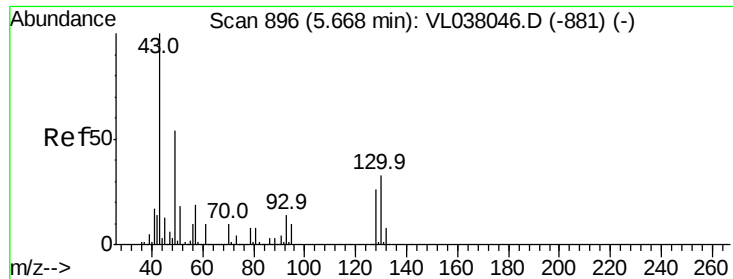
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M

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QLast Update : Thu Nov 18 13:16:09 2021

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 19 Nov 2021 7:15

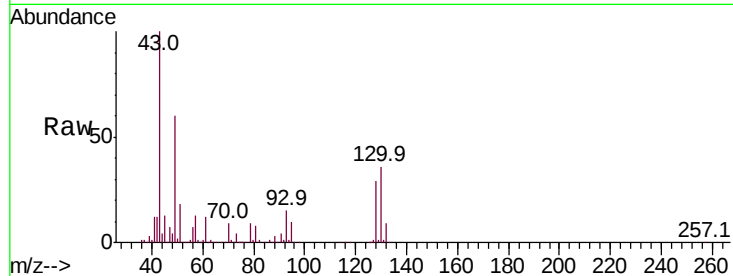
Tot Ion: 49 Resp: 738025

Ion Ratio Lower Upper

49 100

128 51.3 26.5 79.5

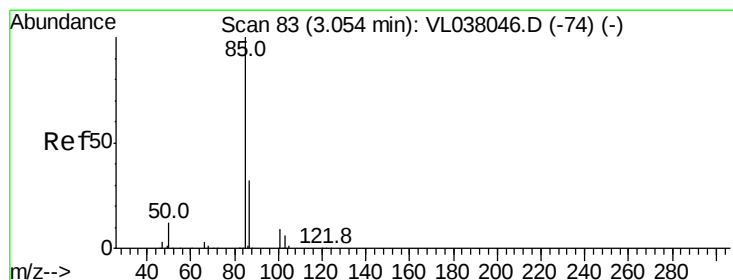
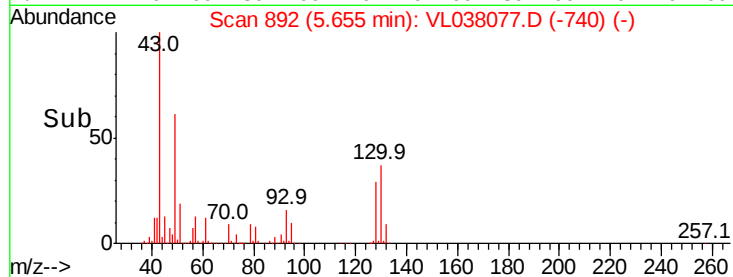
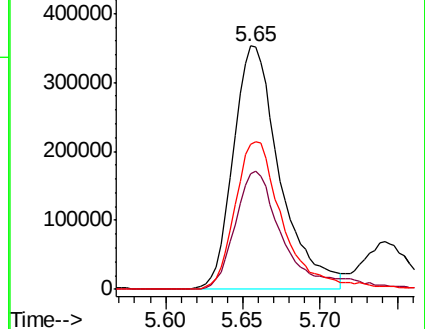
130 63.9 32.5 97.4



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: 9.910 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL038077.D

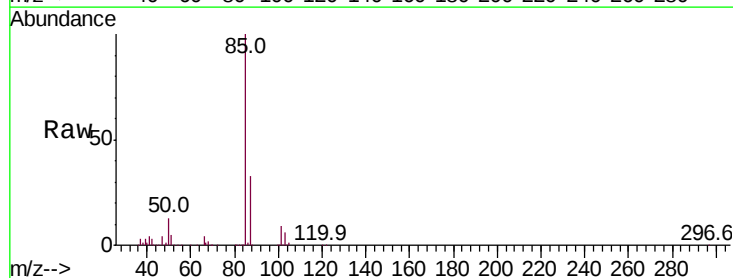
Acq: 19 Nov 2021 7:15

Tgt Ion: 85 Resp: 1208051

Ion Ratio Lower Upper

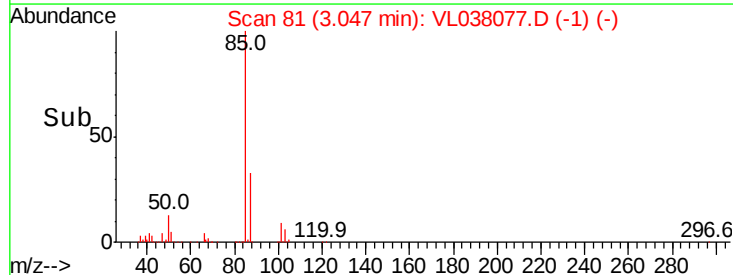
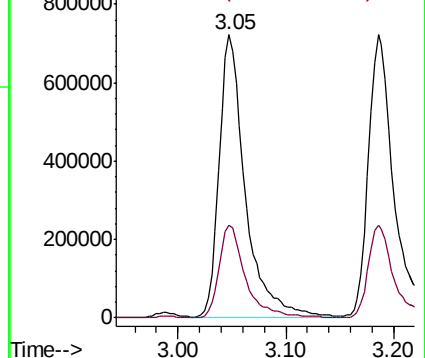
85 100

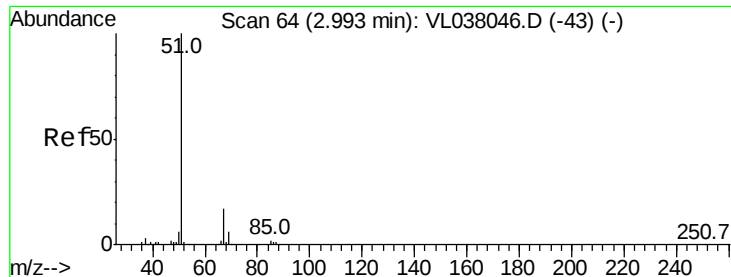
87 32.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.642 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

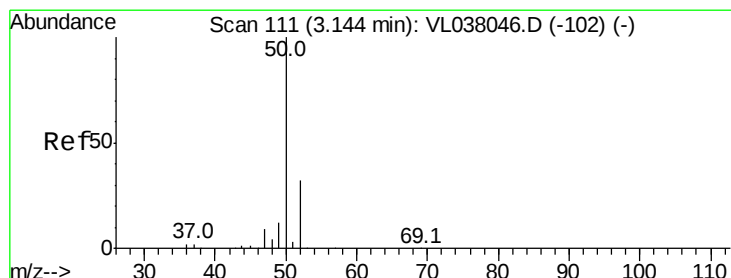
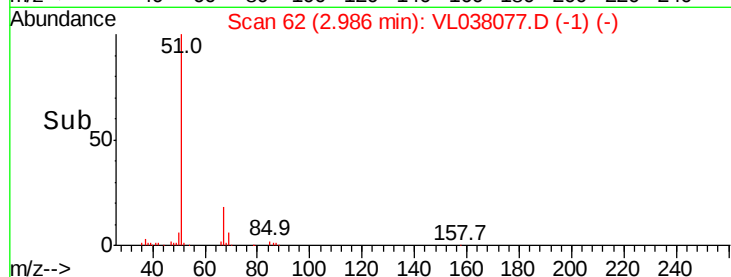
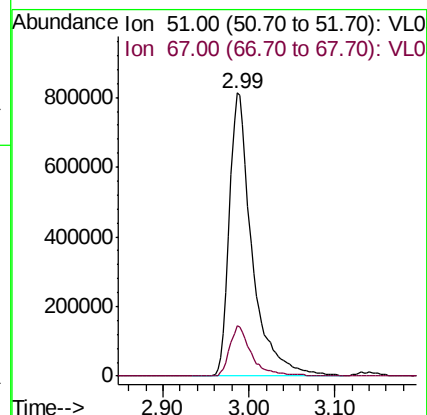
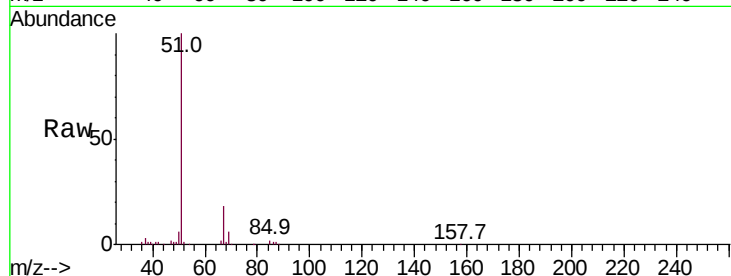
Acq: 19 Nov 2021 7:15 VSTDCCC010EC

Tot Ion: 51 Resp: 1494356

Ion Ratio Lower Upper

51 100

67 17.4 13.8 20.8



#4

Chloromethane

Concen: 9.490 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL038077.D

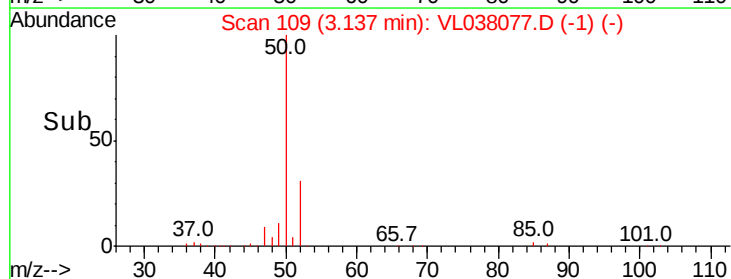
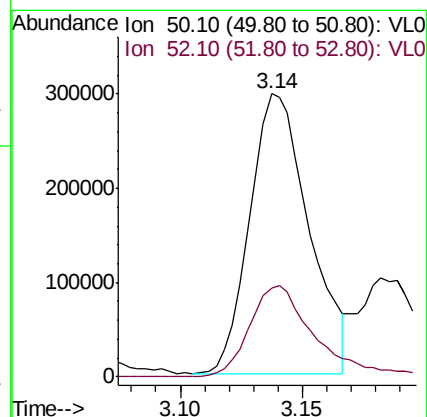
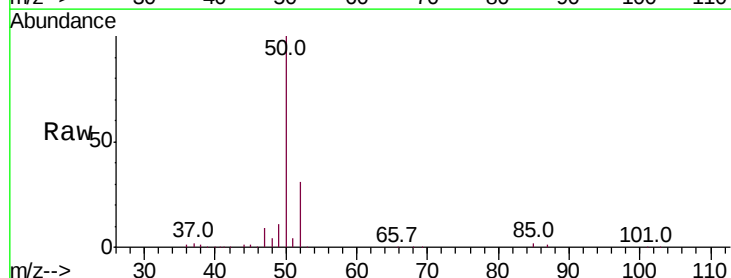
Acq: 19 Nov 2021 7:15

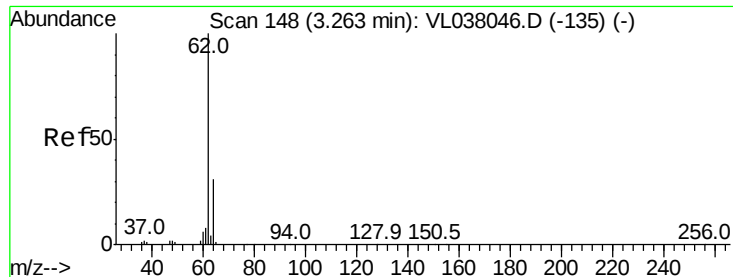
Tgt Ion: 50 Resp: 500695

Ion Ratio Lower Upper

50 100

52 31.6 25.4 38.0





#5

Vinyl Chloride

Concen: 9.969 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

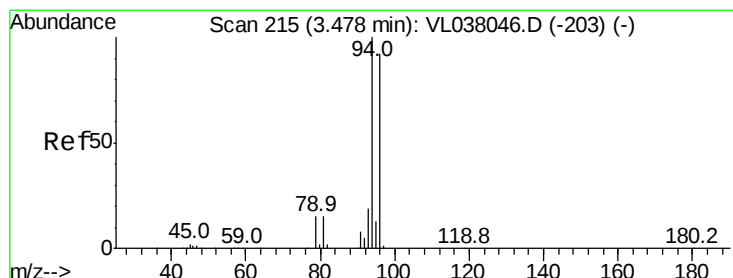
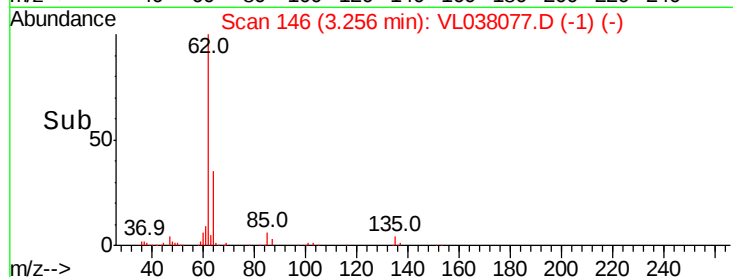
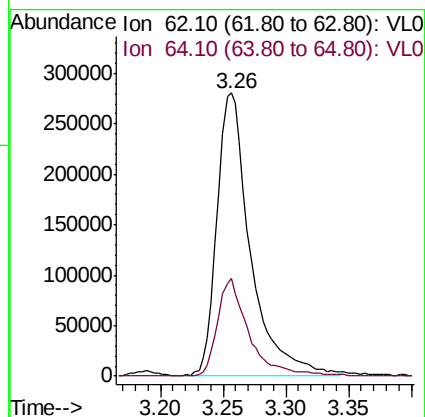
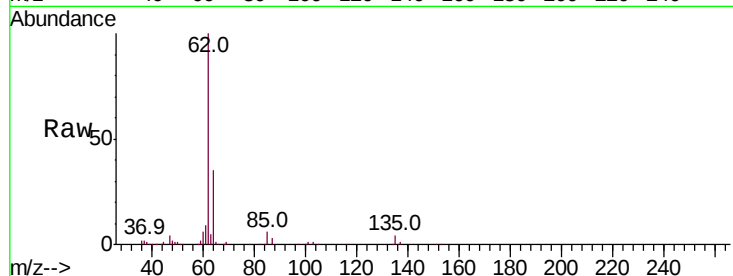
Acq: 19 Nov 2021 7:15

Tot Ion: 62 Resp: 515995

Ion Ratio Lower Upper

62 100

64 34.5 25.1 37.7



#6

Bromomethane

Concen: 10.171 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL038077.D

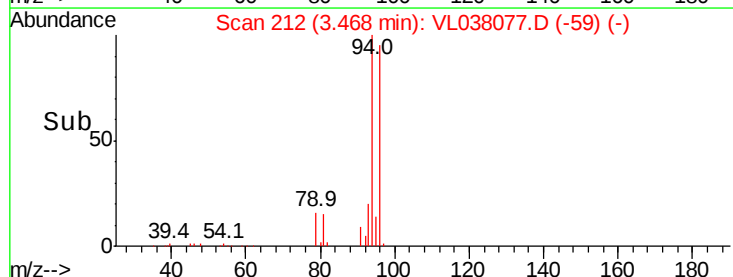
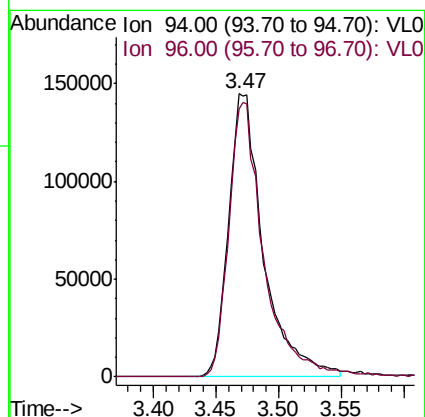
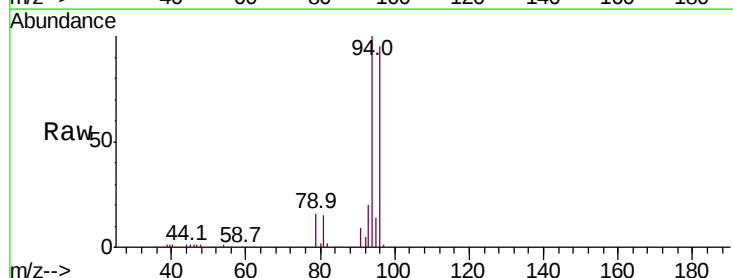
Acq: 19 Nov 2021 7:15

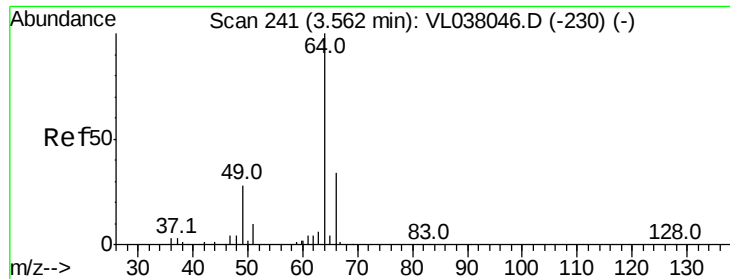
Tgt Ion: 94 Resp: 282003

Ion Ratio Lower Upper

94 100

96 94.6 73.9 110.9





#7

Chloroethane

Concen: 9.177 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

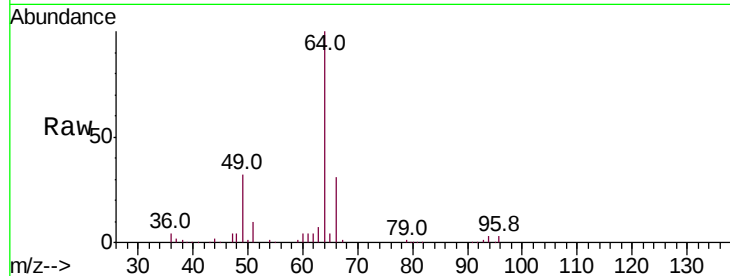
Acq: 19 Nov 2021 7:15 VSTDCCC010EC

Tot Ion: 64 Resp: 168586

Ion Ratio Lower Upper

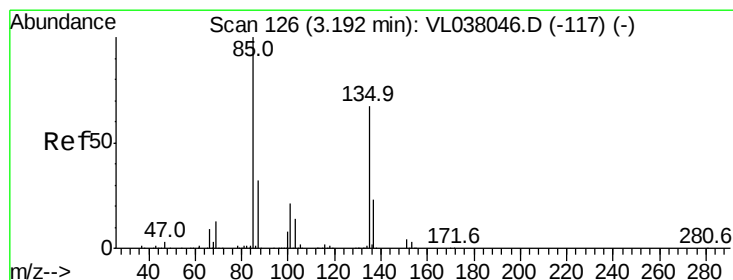
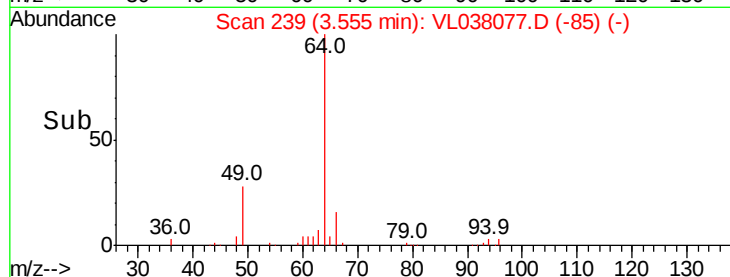
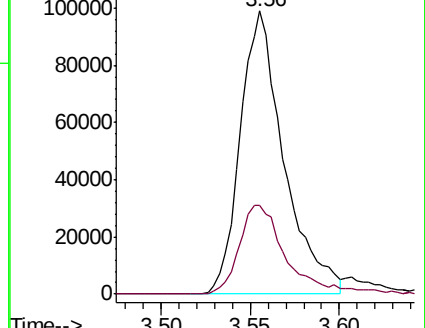
64 100

66 31.4 27.2 40.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.716 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.01 min

Lab File: VL038077.D

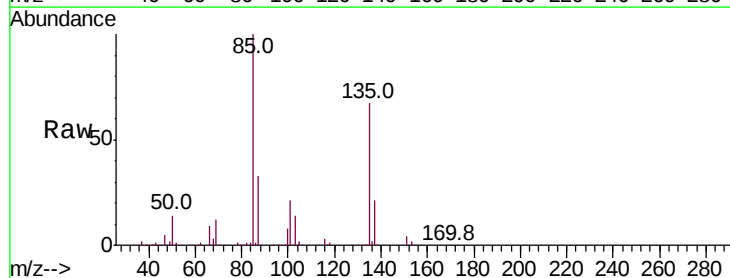
Acq: 19 Nov 2021 7:15

Tgt Ion: 85 Resp: 1178272

Ion Ratio Lower Upper

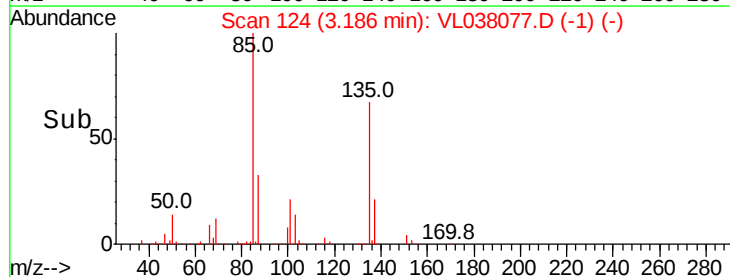
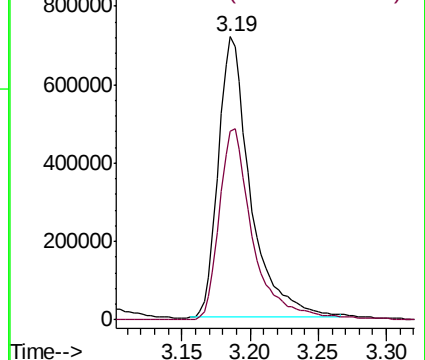
85 100

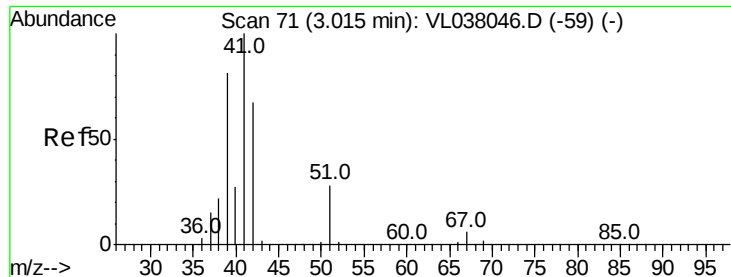
135 72.1 57.9 86.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.445 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

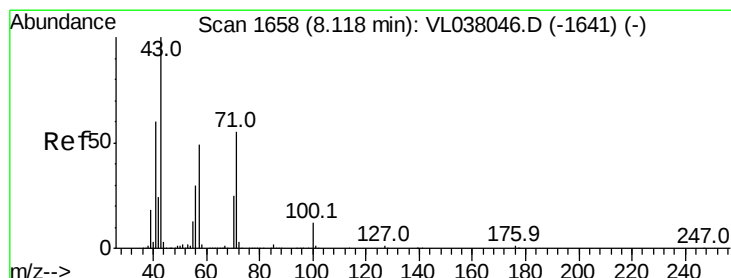
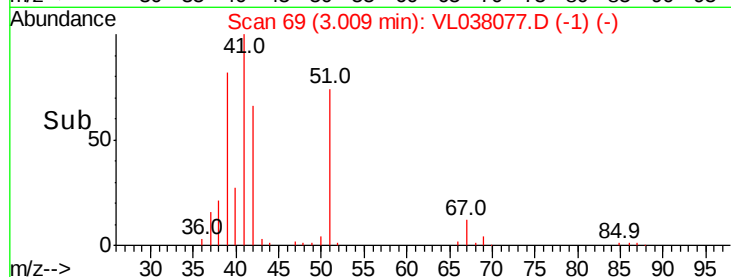
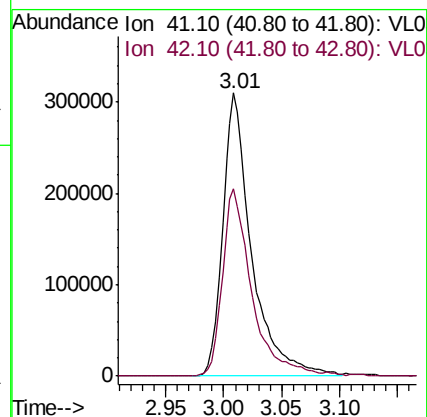
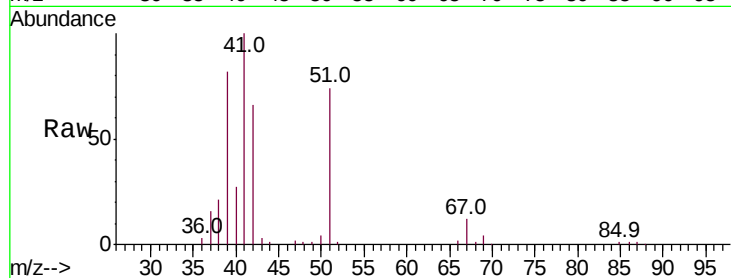
Acq: 19 Nov 2021 7:15

Tot Ion: 41 Resp: 539146

Ion Ratio Lower Upper

41 100

42 68.2 53.8 80.8



#10

Heptane

Concen: 9.563 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.01 min

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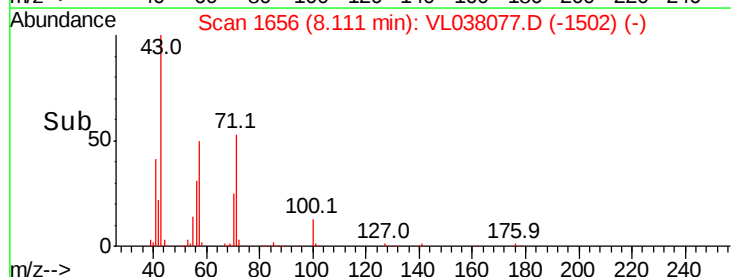
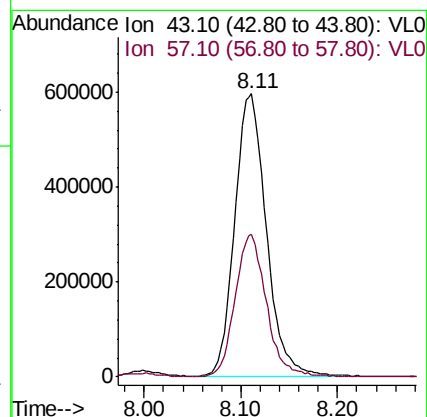
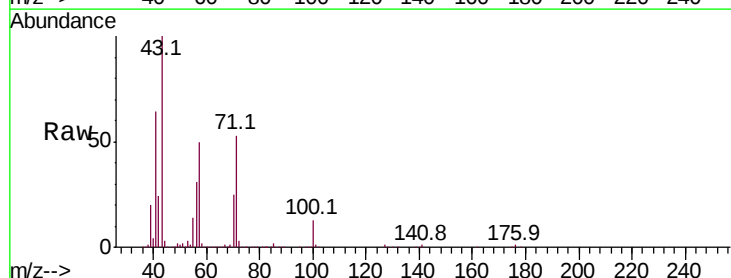
Acq: 19 Nov 2021 7:15

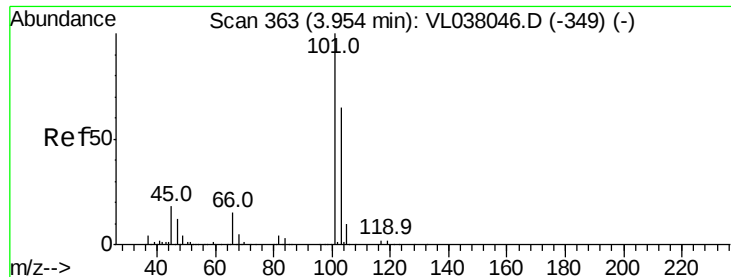
Tgt Ion: 43 Resp: 1349094

Ion Ratio Lower Upper

43 100

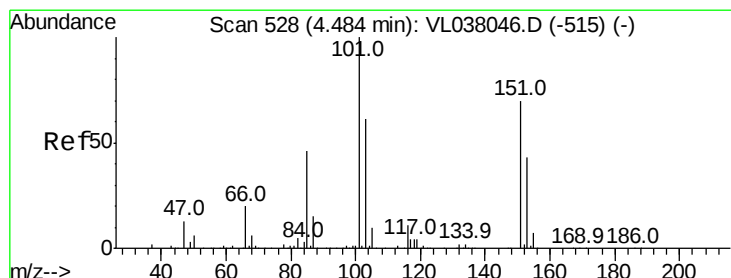
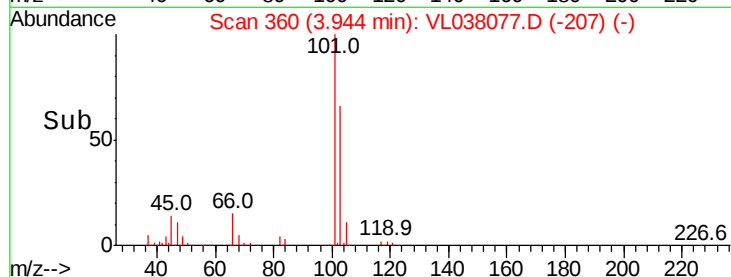
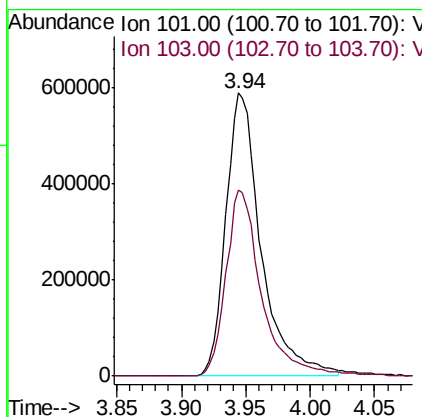
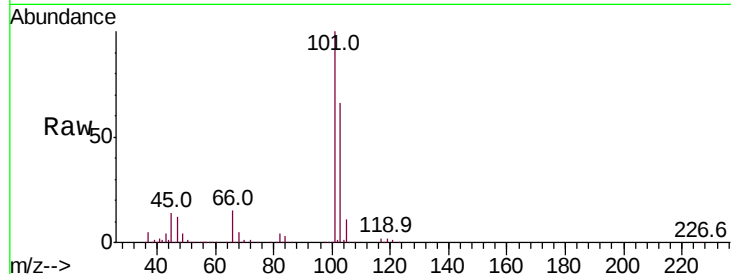
57 50.1 40.4 60.6





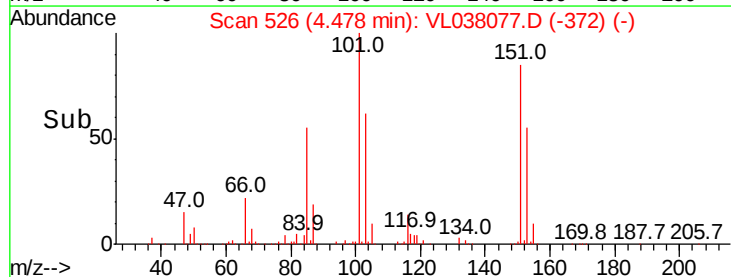
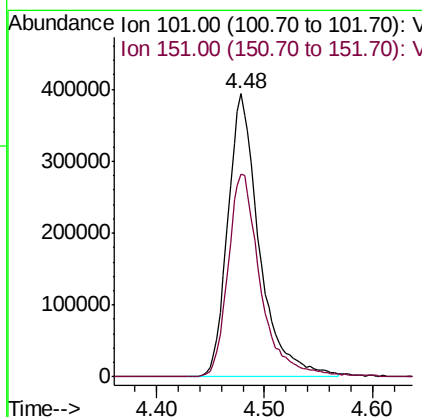
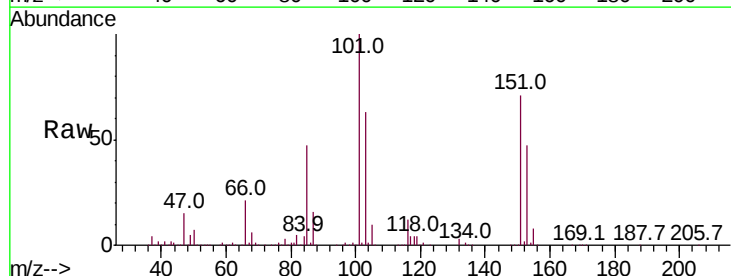
#11
 Trichlorofluoromethane
 Concen: 9.672 ppbv
 RT: 3.94
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 7:15

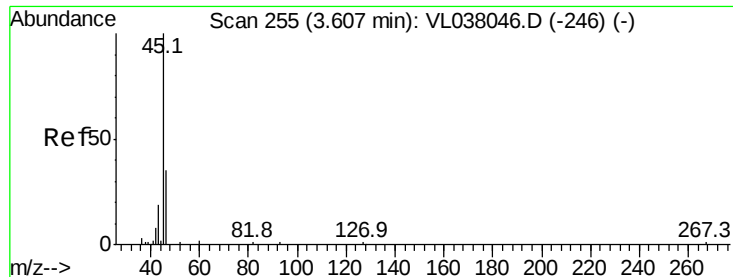
Tot Ion:101 Resp: 1121408
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.801 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL038077.D
 Acq: 19 Nov 2021 7:15

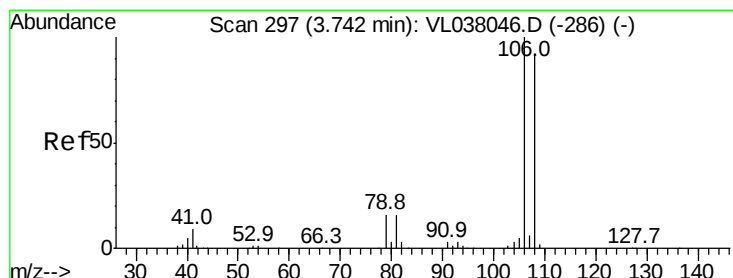
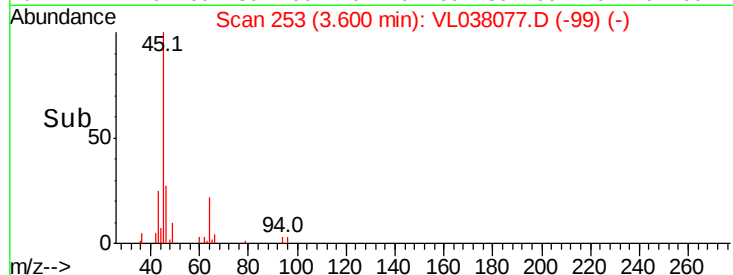
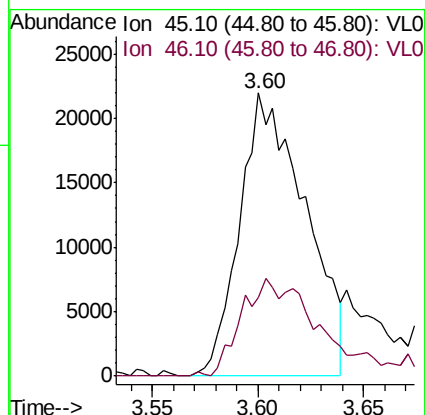
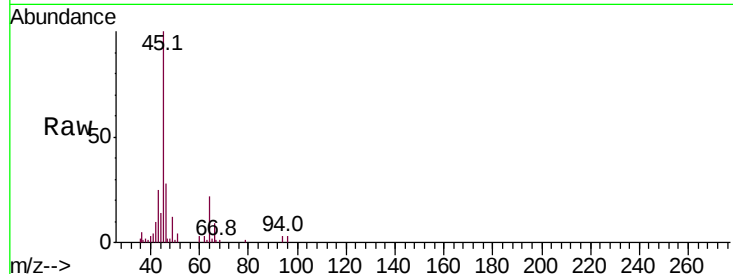
Tgt Ion:101 Resp: 803787
 Ion Ratio Lower Upper
 101 100
 151 74.3 59.0 88.4





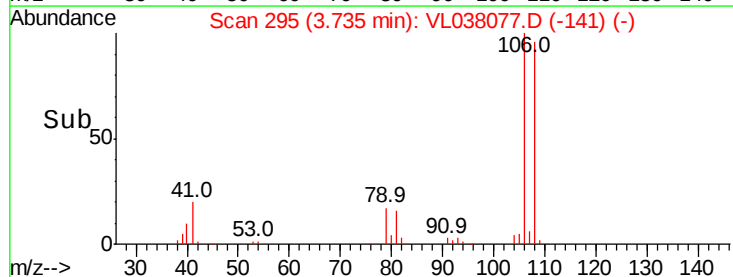
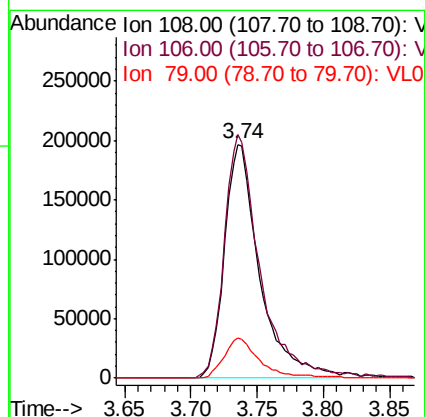
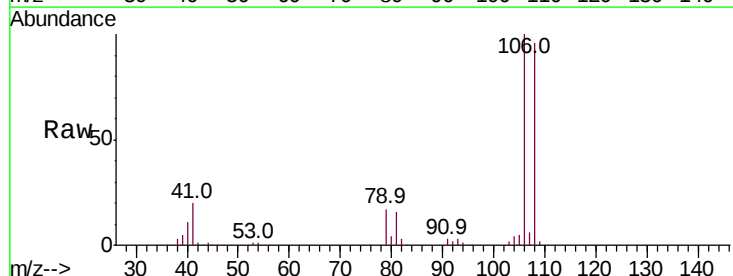
#13
Ethanol
Concen: 8.612 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 7:15

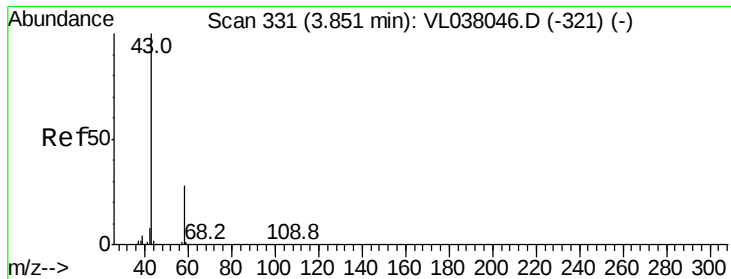
Tot Ion: 45 Resp: 47503
Ion Ratio Lower Upper
45 100
46 45.4 17.6 70.2



#14
Bromoethene
Concen: 9.863 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL038077.D
Acq: 19 Nov 2021 7:15

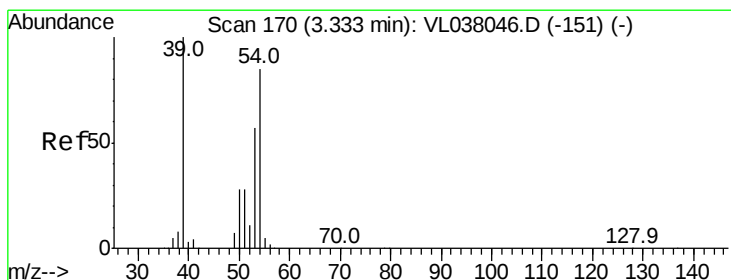
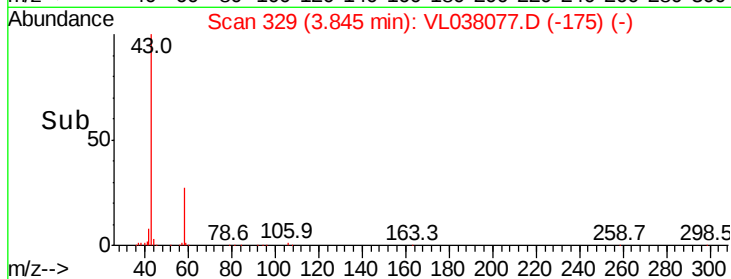
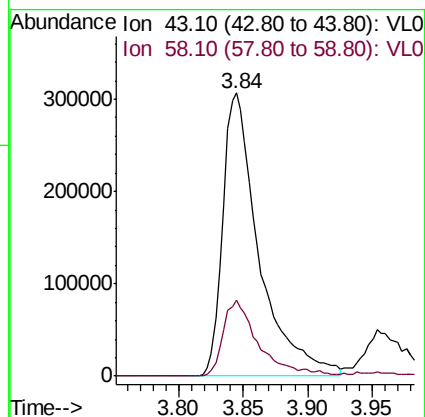
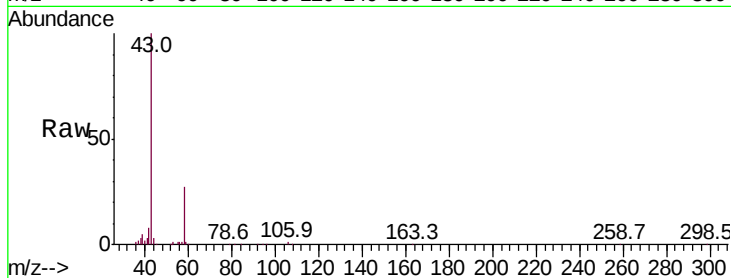
Tgt Ion: 108 Resp: 362209
Ion Ratio Lower Upper
108 100
106 107.8 89.4 134.0
79 17.7 14.1 21.1





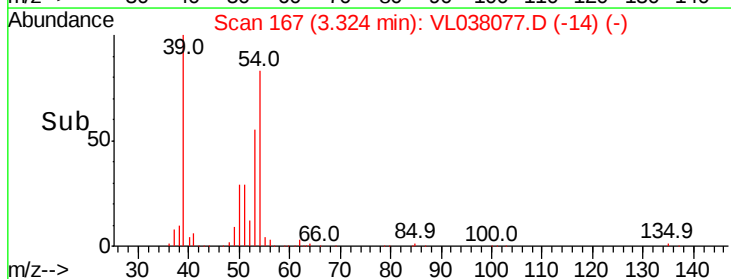
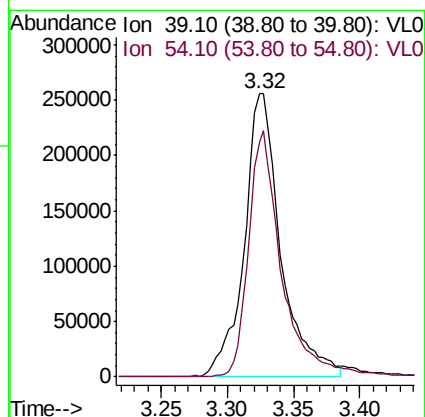
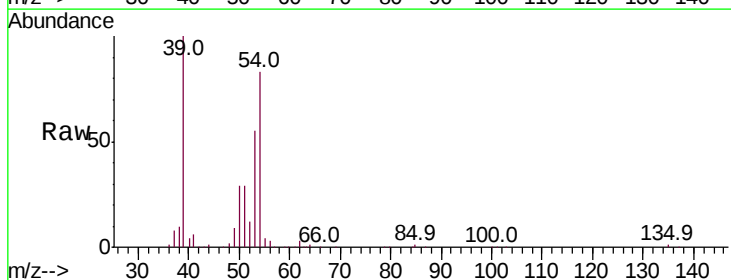
#15
Acetone
Concen: 9.314 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 7:15

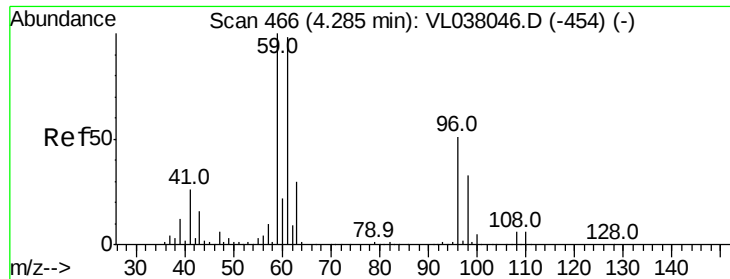
Tot Ion: 43 Resp: 595991
Ion Ratio Lower Upper
43 100
58 26.7 22.4 33.6



#16
1,3-Butadiene
Concen: 9.880 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.01 min
Lab File: VL038077.D
Acq: 19 Nov 2021 7:15

Tgt Ion: 39 Resp: 493207
Ion Ratio Lower Upper
39 100
54 79.3 64.4 96.6





#17

tert-Butyl alcohol

Concen: 9.193 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

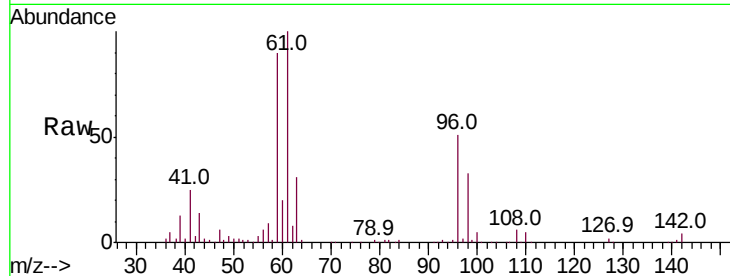
Acq: 19 Nov 2021 7:15 VSTDCCC010EC

Tot Ion: 59 Resp: 713518

Ion Ratio Lower Upper

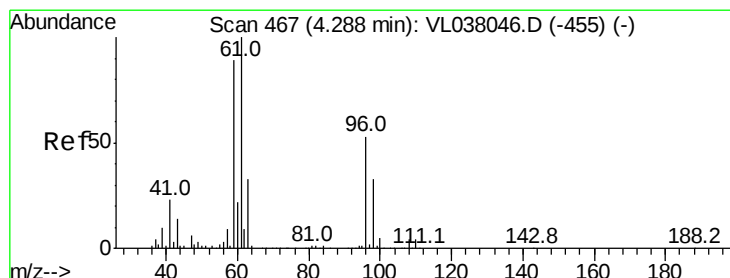
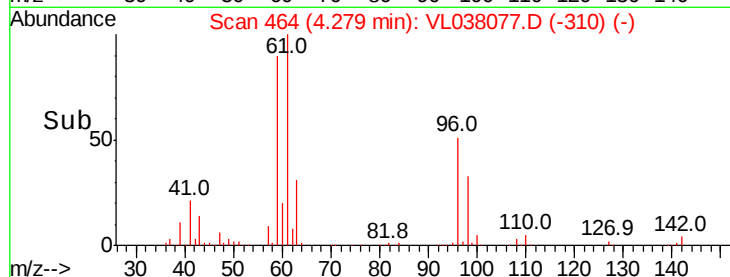
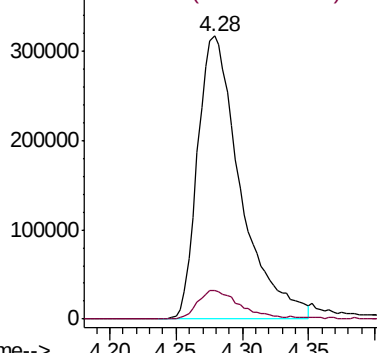
59 100

57 11.0 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.661 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

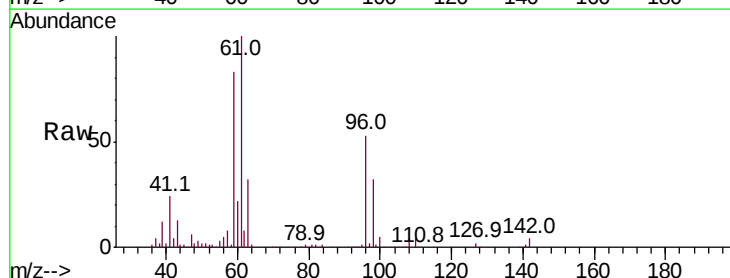
Tgt Ion: 96 Resp: 363483

Ion Ratio Lower Upper

96 100

61 190.0 149.8 224.8

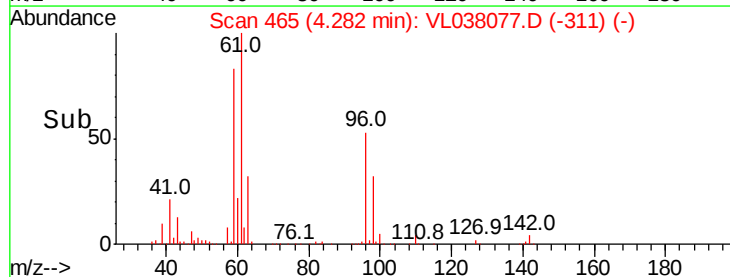
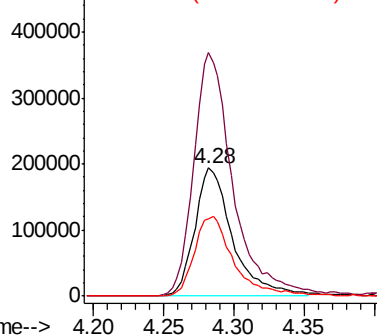
98 60.0 50.2 75.2

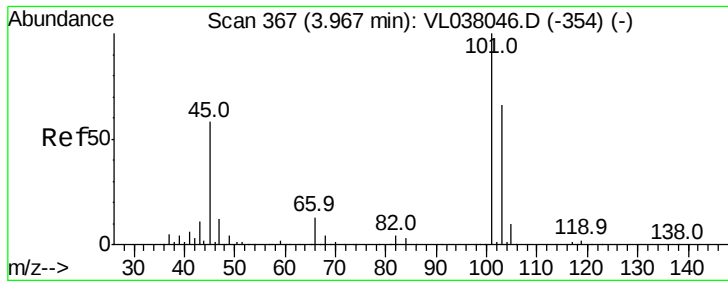


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 9.345 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

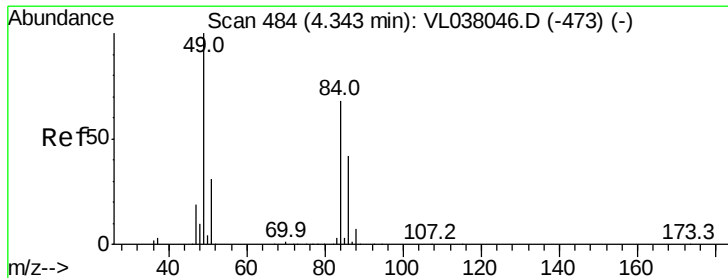
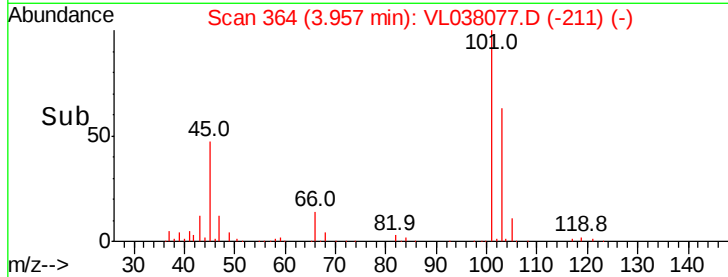
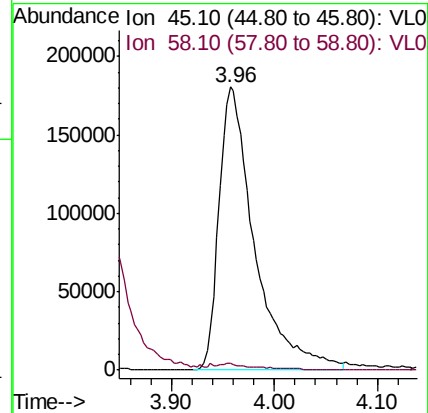
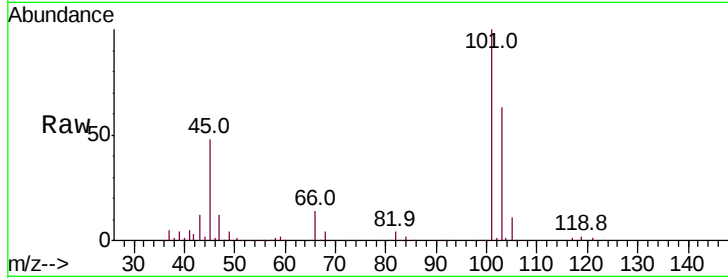
Acq: 19 Nov 2021 7:15 VSTDCCC010EC

Tot Ion: 45 Resp: 432076

Ion Ratio Lower Upper

45 100

58 3.4 1.4 2.0#



#20

Methylene Chloride

Concen: 8.344 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

Tgt Ion: 84 Resp: 299062

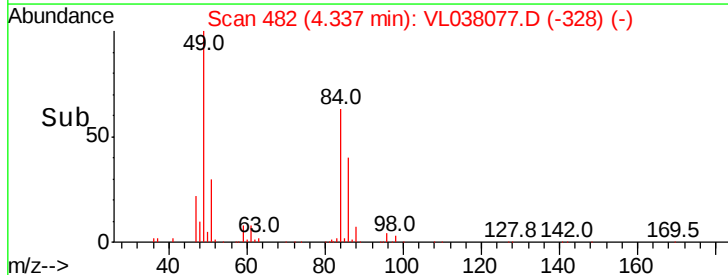
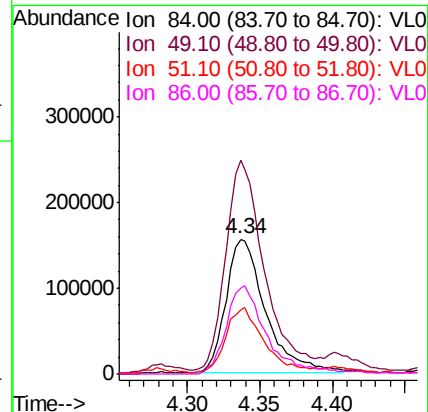
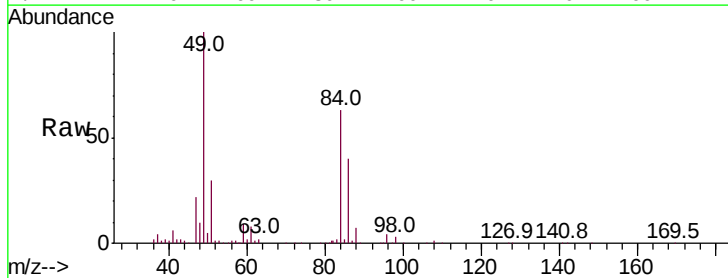
Ion Ratio Lower Upper

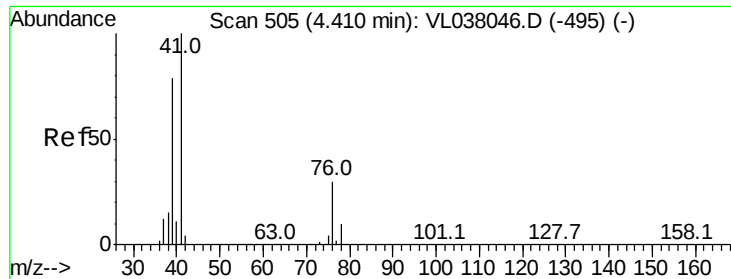
84 100

49 156.3 118.2 177.2

51 46.7 36.8 55.2

86 63.9 49.0 73.6





#21

Allvl Chloride

Concen: 9.535 ppbv

RT: 4.40

Instrument: MSVOA_1

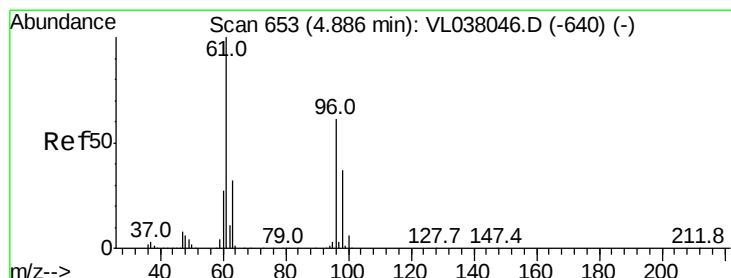
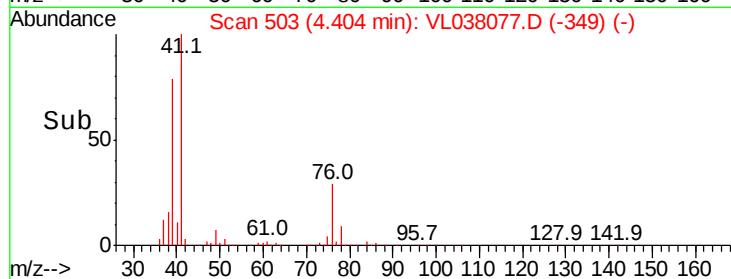
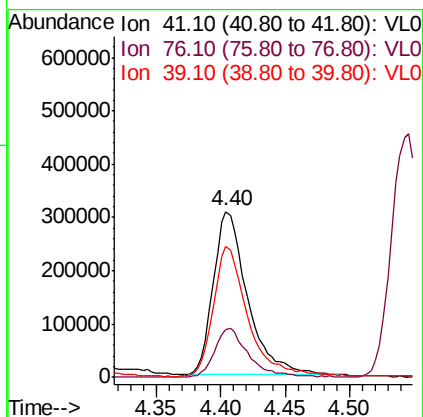
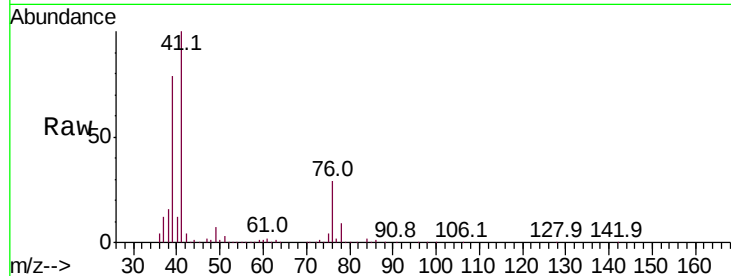
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 19 Nov 2021 7:15

Tot Ion: 41 Resp: 564783

Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.6	36.8
39	80.9	63.4	95.0



#22

trans-1,2-Dichloroethene

Concen: 9.957 ppbv

RT: 4.88 min Scan# 650

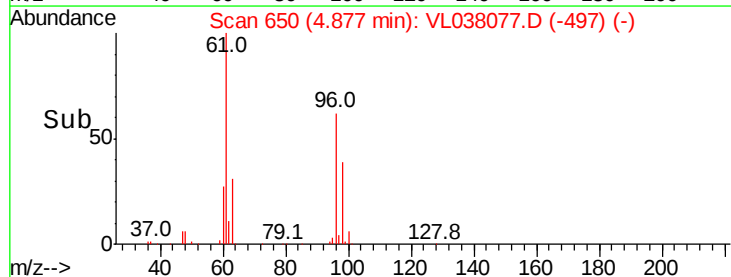
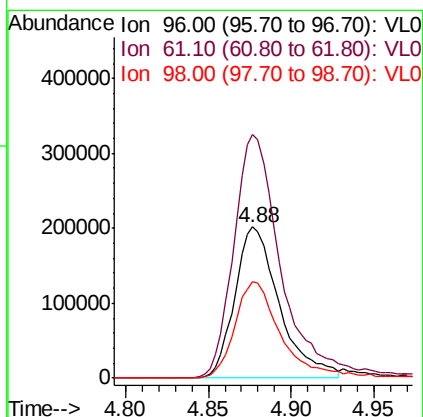
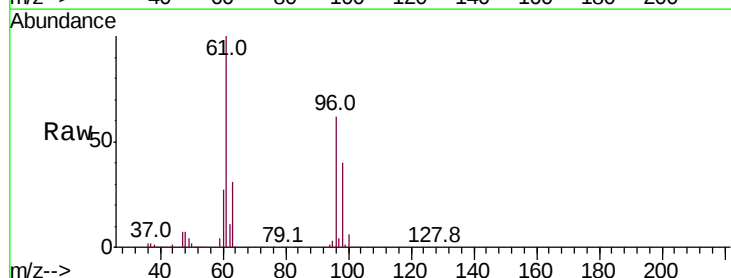
Delta R.T. -0.01 min

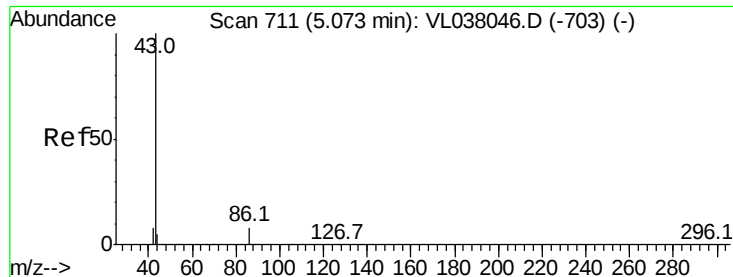
Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

Tgt Ion: 96 Resp: 379458

Ion	Ratio	Lower	Upper
96	100		
61	161.2	131.6	197.4
98	63.8	48.4	72.6





#23

Vinyl Acetate

Concen: 9.878 ppbv

RT: 5.06 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 19 Nov 2021 7:15

Tot Ion: 43 Resp: 915002

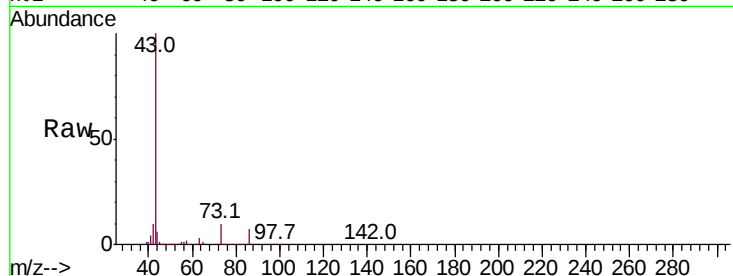
Ion Ratio Lower Upper

43 100

86 6.7 5.3 7.9

42 10.3 7.0 10.6

44 5.0 4.0 6.0

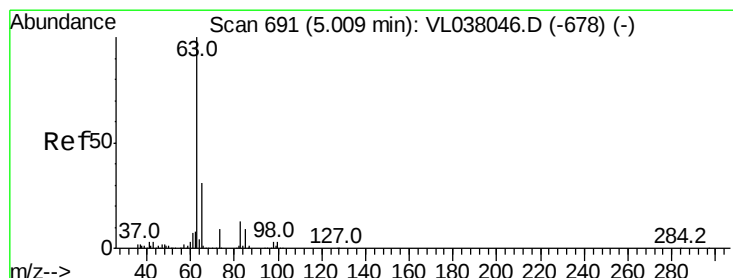
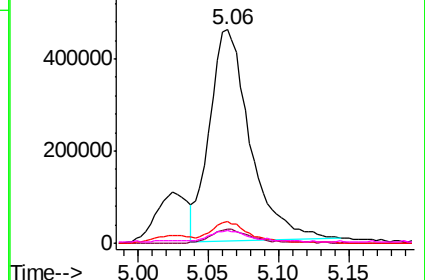
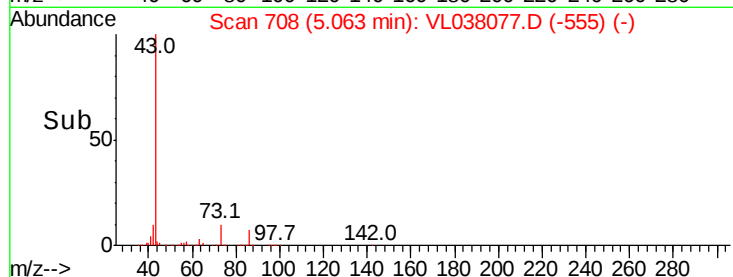


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.192 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

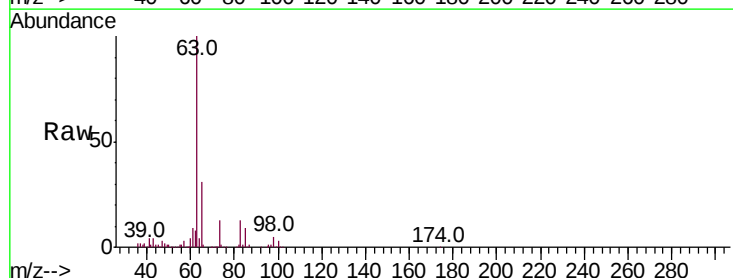
Tgt Ion: 63 Resp: 786161

Ion Ratio Lower Upper

63 100

98 4.4 1.8 5.4

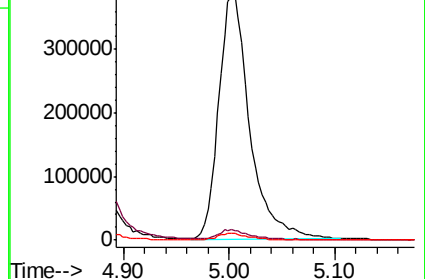
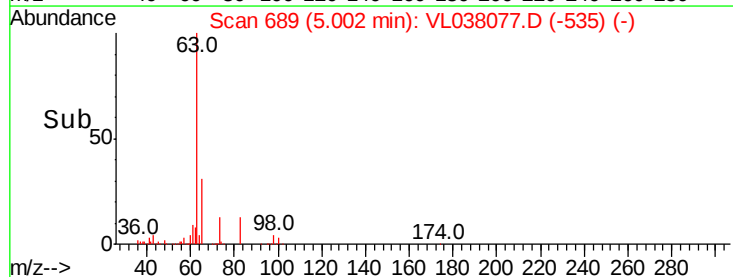
100 3.0 1.4 4.0

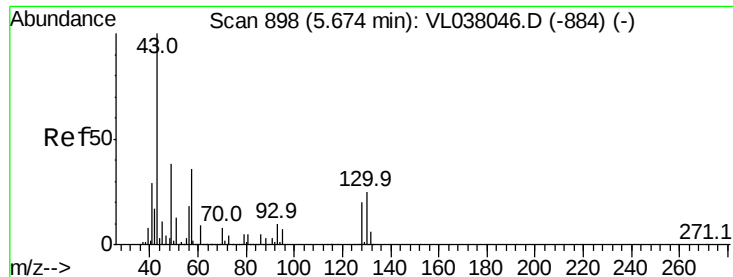


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

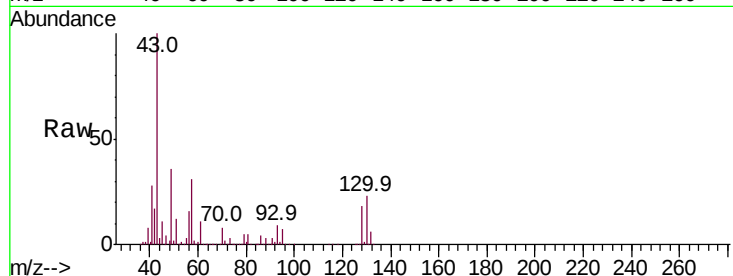




#25
Ethyl Acetate
Concen: 9.640 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 7:15
VSTDCCC010EC

Tot Ion: 43 Resp: 2050072

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.6	7.8	11.6
70	6.7	5.8	8.8



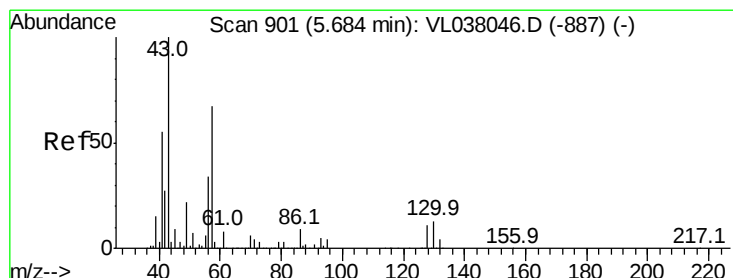
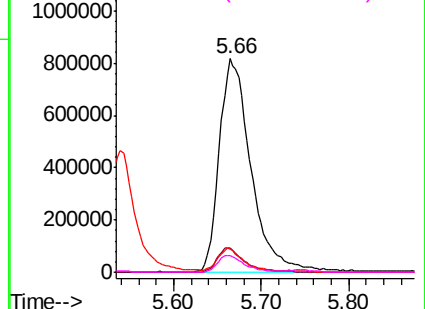
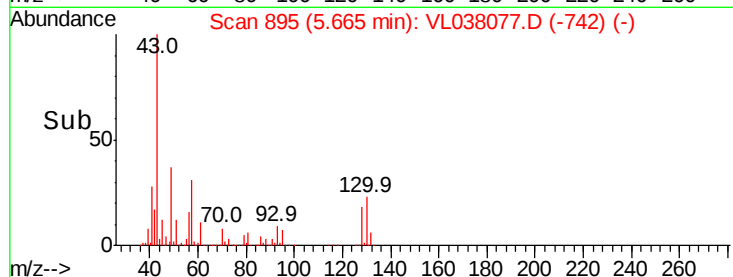
Abundance

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

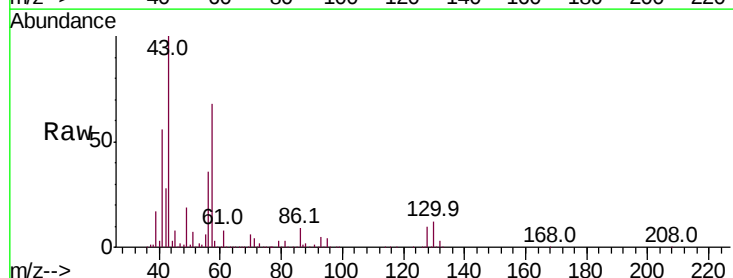
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.302 ppbv
RT: 5.68 min Scan# 899
Delta R.T.: -0.01 min
Lab File: VL038077.D
Acq: 19 Nov 2021 7:15

Tgt Ion: 57 Resp: 953527

Ion	Ratio	Lower	Upper
57	100		
41	88.4	71.4	107.2
43	216.8	174.6	261.8
56	52.6	43.2	64.8



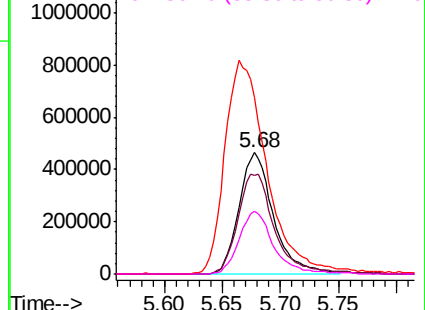
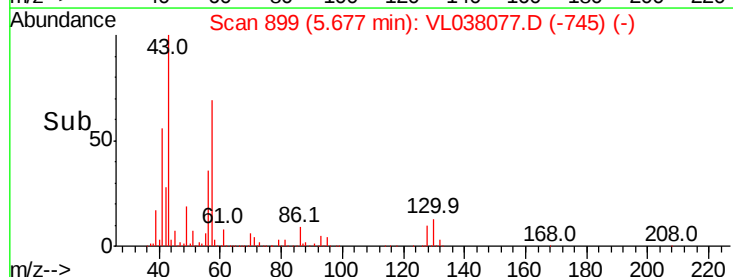
Abundance

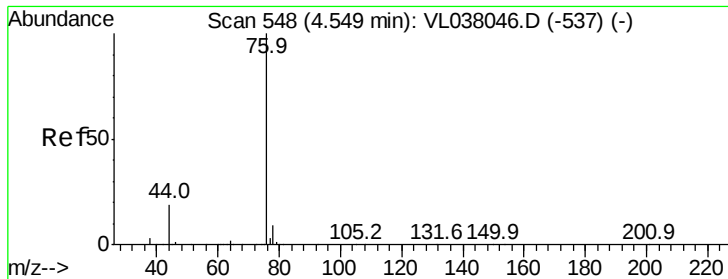
Ion 57.10 (56.80 to 57.80): VL0

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: 9.978 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 7:15 VSTDCCC010EC

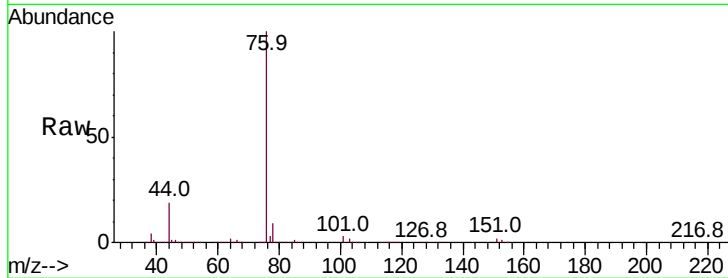
Tot Ion: 76 Resp: 916169

Ion Ratio Lower Upper

76 100

44 19.9 14.9 22.3

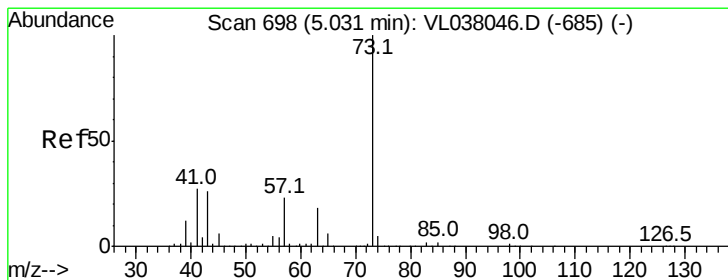
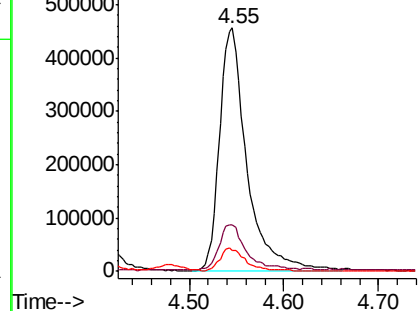
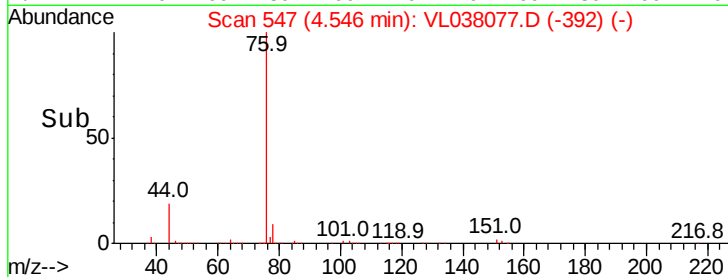
78 9.7 7.6 11.4



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: 9.947 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL038077.D

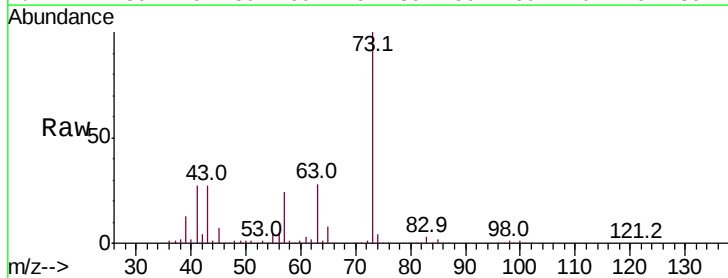
Acq: 19 Nov 2021 7:15

Tgt Ion: 73 Resp: 866083

Ion Ratio Lower Upper

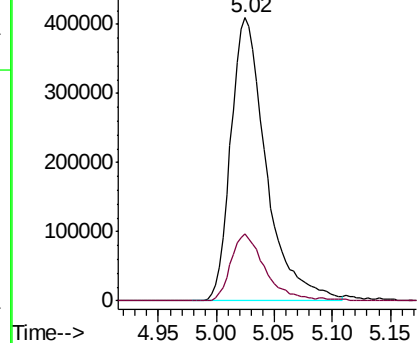
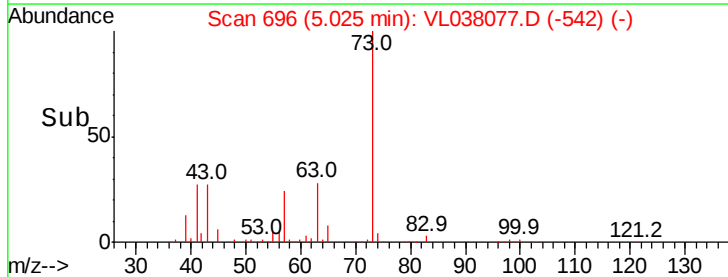
73 100

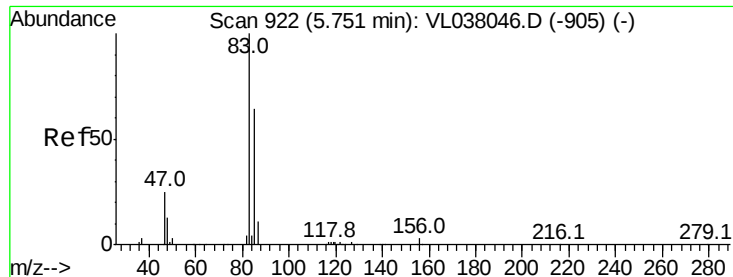
57 23.5 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

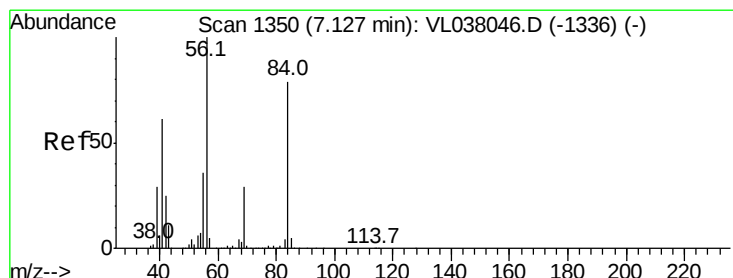
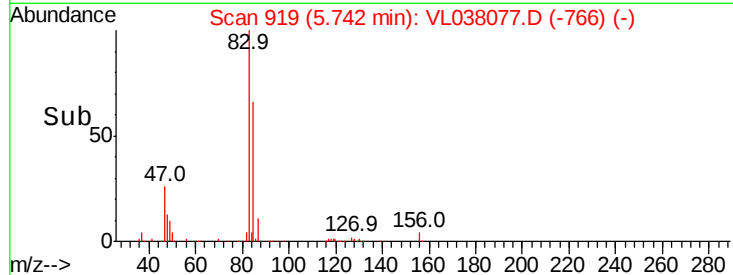
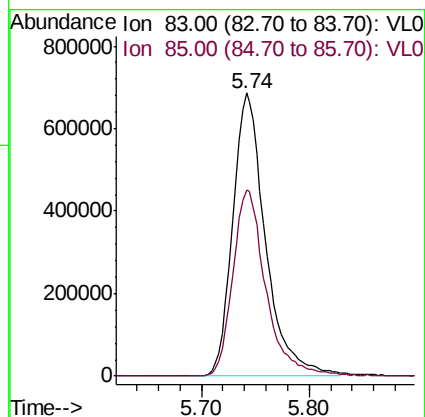
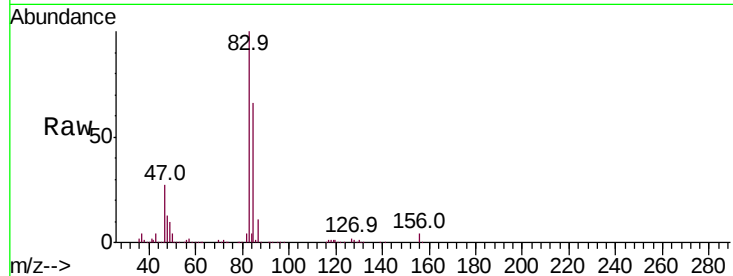
Ion 57.10 (56.80 to 57.80): VL0





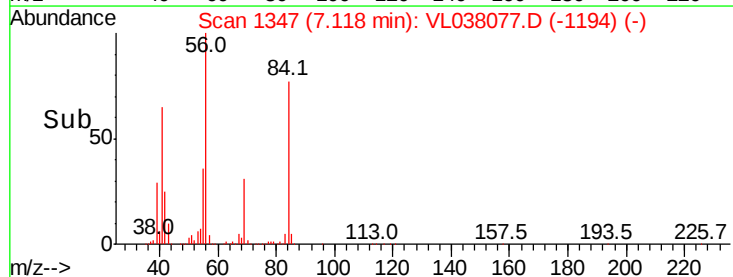
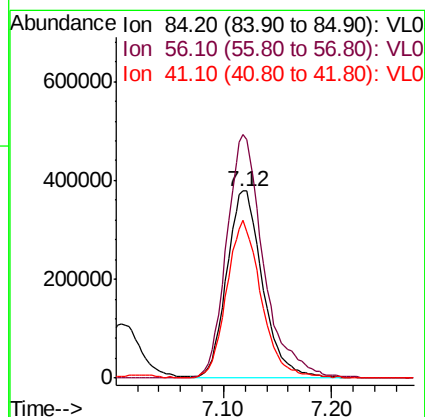
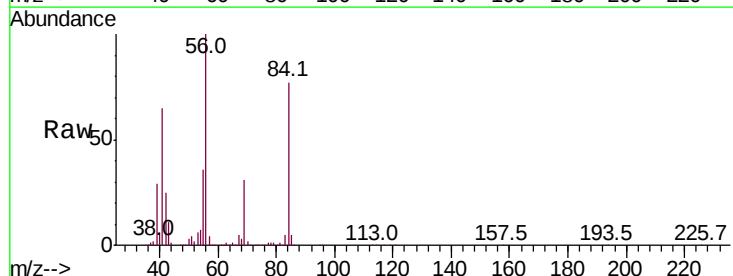
#29
Chloroform
Concen: 9.619 ppbv
RT: 5.74
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 7:15

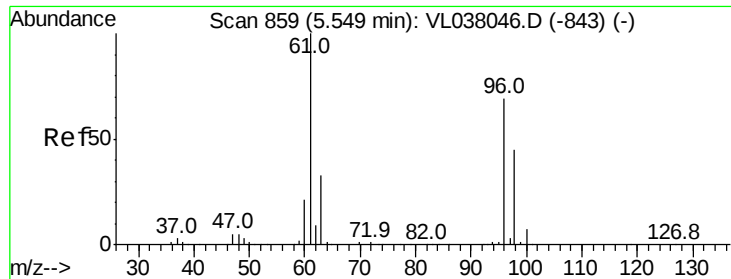
Tot Ion: 83 Resp: 1453103
Ion Ratio Lower Upper
83 100
85 65.7 51.0 76.6



#30
Cyclohexane
Concen: 9.358 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VL038077.D
Acq: 19 Nov 2021 7:15

Tgt Ion: 84 Resp: 870847
Ion Ratio Lower Upper
84 100
56 136.1 108.1 162.1
41 82.6 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 9.869 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 7:15 VSTDCCC010EC

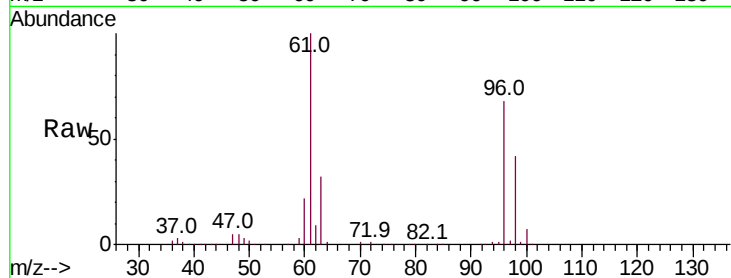
Tot Ion: 61 Resp: 962348

Ion Ratio Lower Upper

61 100

96 68.3 55.4 83.2

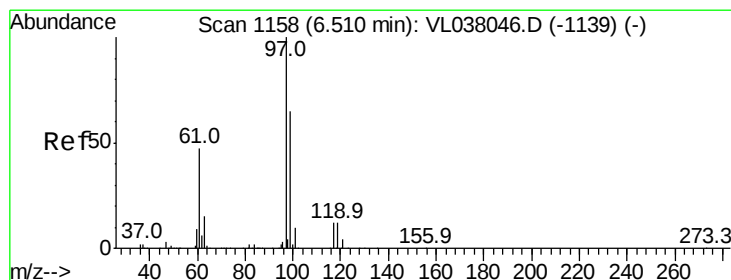
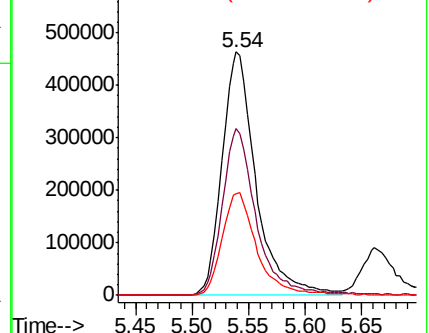
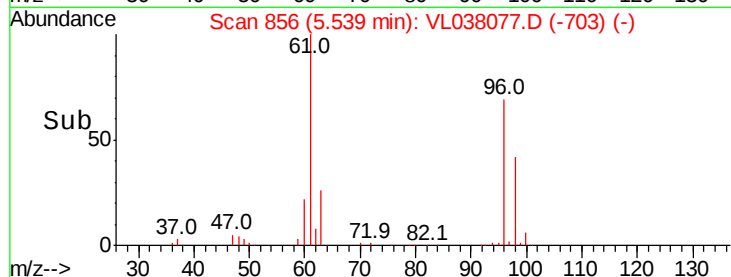
98 41.7 35.7 53.5



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: 9.561 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

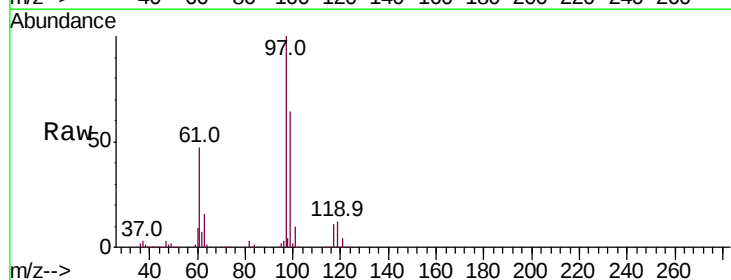
Tgt Ion: 97 Resp: 1465925

Ion Ratio Lower Upper

97 100

99 64.8 52.2 78.4

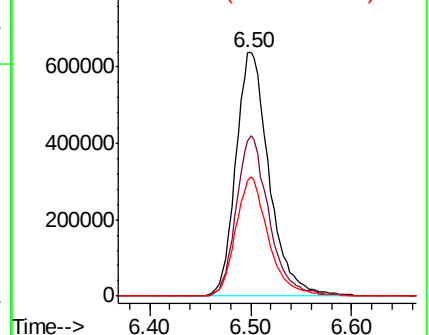
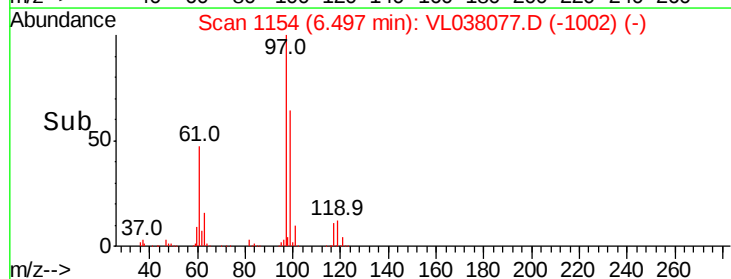
61 48.0 37.7 56.5



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: 7.16 Instrument: MSVOA_1

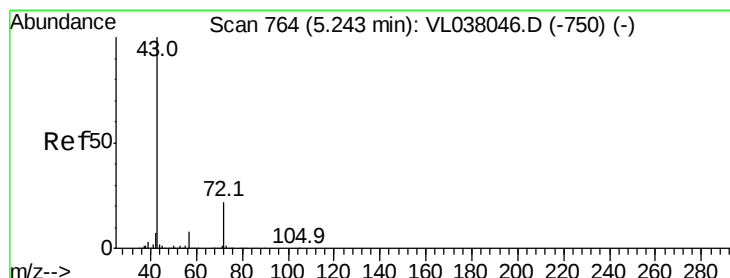
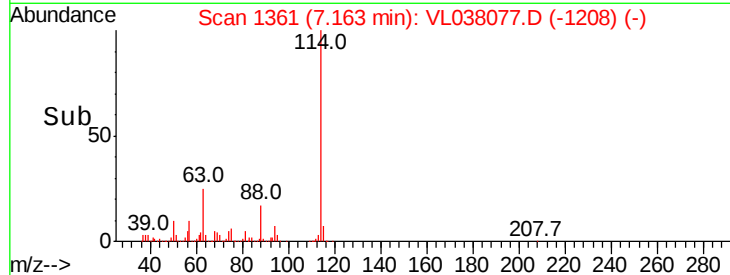
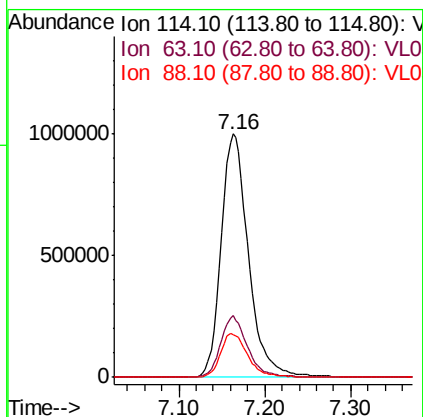
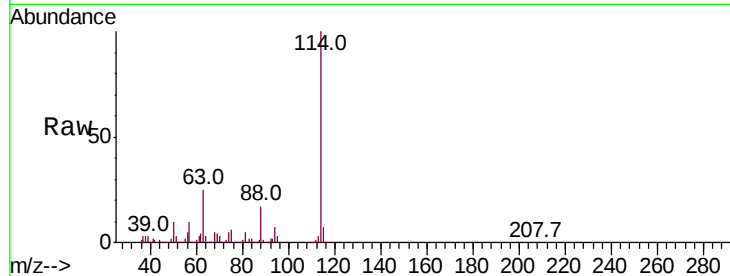
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 19 Nov 2021 7:15

Tot Ion:114 Resp: 2205347

Ion	Ratio	Lower	Upper
114	100		
63	25.3	19.7	29.5
88	18.1	14.4	21.6



#34

2-Butanone

Concen: 9.597 ppbv

RT: 5.24 min Scan# 762

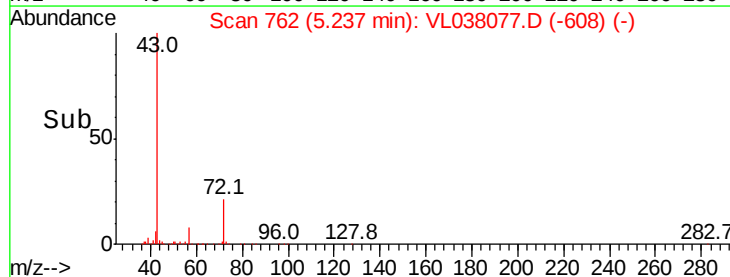
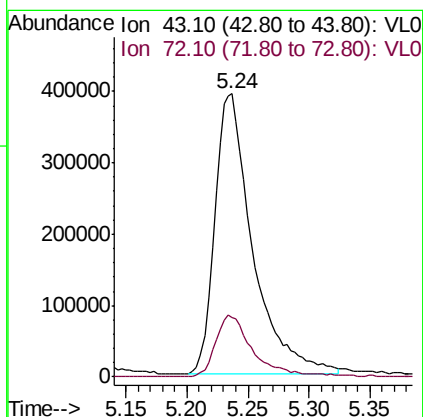
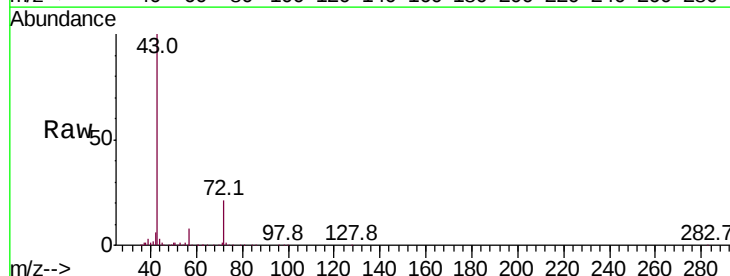
Delta R.T. -0.01 min

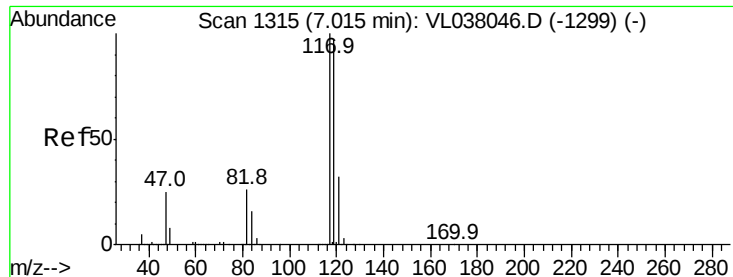
Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

Tgt Ion: 43 Resp: 853455

Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.8	28.2





#35

Carbon Tetrachloride

Concen: 9.742 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 7:15 VSTDCCC010EC

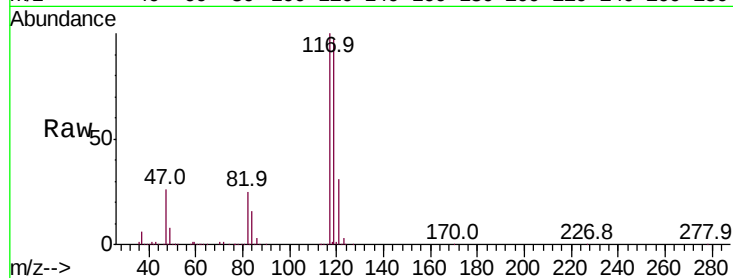
Tot Ion:117 Resp: 1509513

Ion Ratio Lower Upper

117 100

119 96.9 77.7 116.5

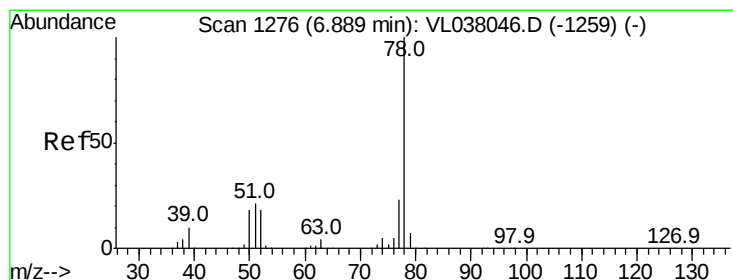
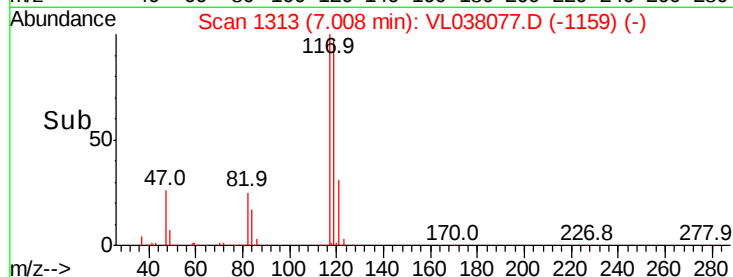
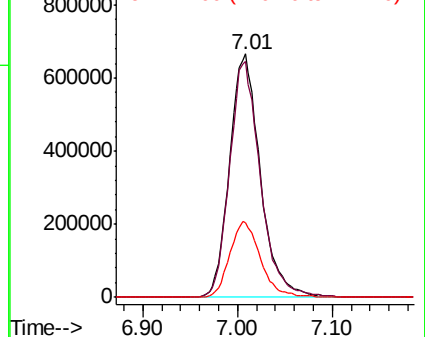
121 30.9 25.6 38.4



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: 9.597 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

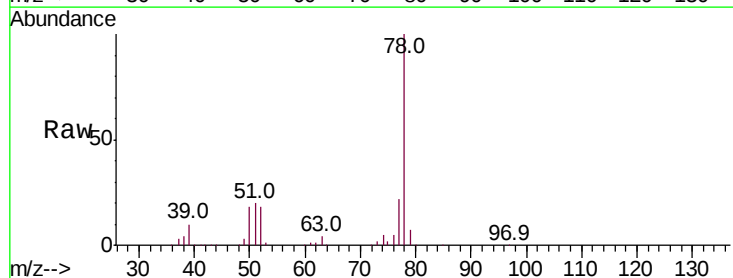
Tgt Ion: 78 Resp: 2111151

Ion Ratio Lower Upper

78 100

77 22.4 18.2 27.4

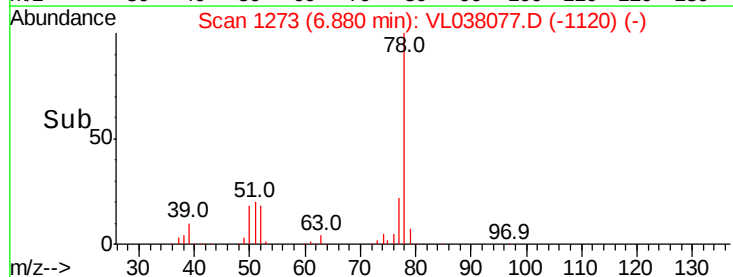
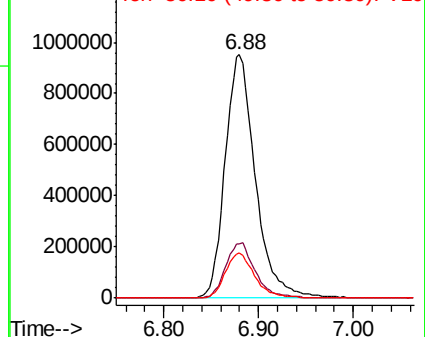
50 18.4 14.7 22.1

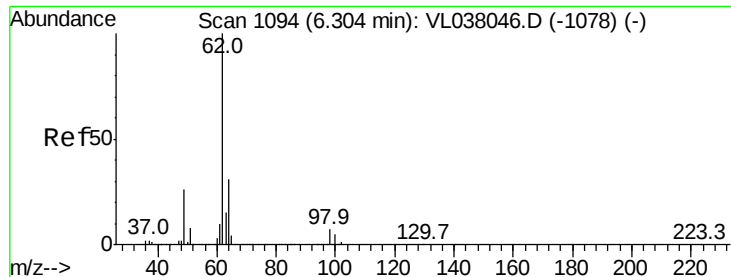


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

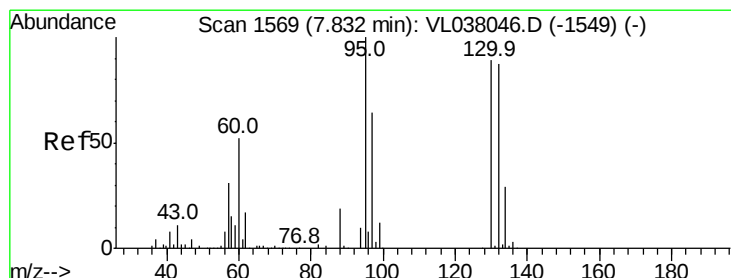
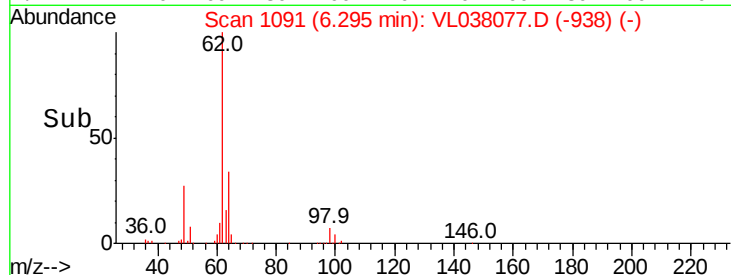
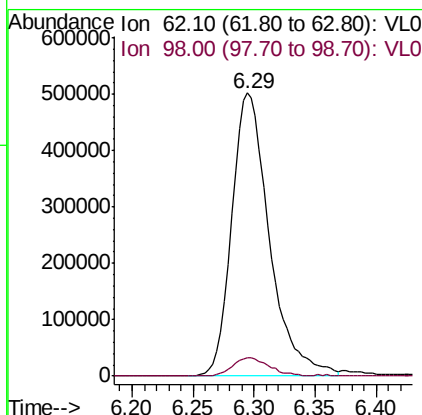
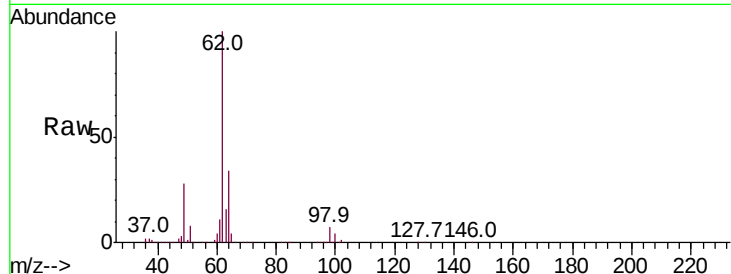
Ion 50.10 (49.80 to 50.80): VL0





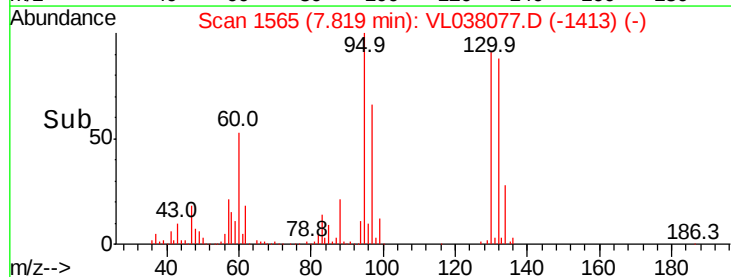
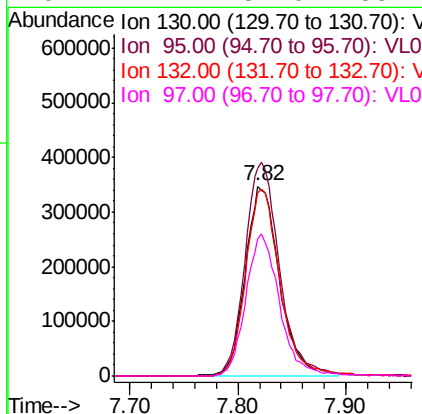
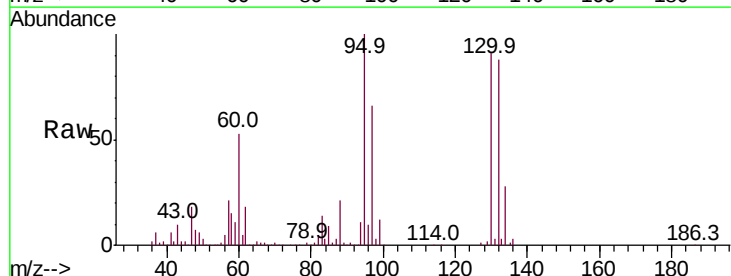
#37
 1,2-Dichloroethane
 Concen: 10.119 ppbv
 RT: 6.29
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 19 Nov 2021 7:15

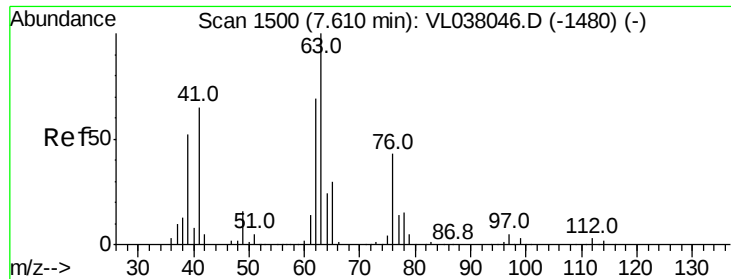
Tot Ion: 62 Resp: 1075134
 Ion Ratio Lower Upper
 62 100
 98 6.9 5.8 8.6



#38
 Trichloroethene
 Concen: 9.249 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T.: -0.01 min
 Lab File: VL038077.D
 Acq: 19 Nov 2021 7:15

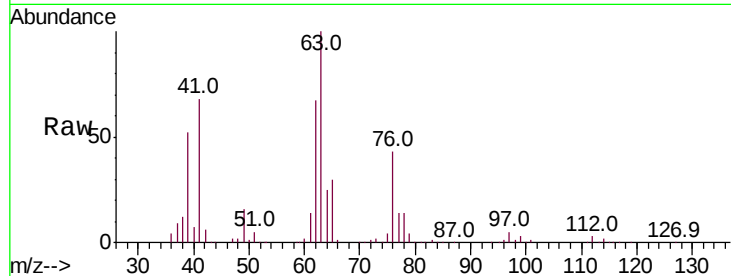
Tgt Ion: 130 Resp: 767529
 Ion Ratio Lower Upper
 130 100
 95 109.4 89.4 134.2
 132 96.0 78.2 117.2
 97 72.2 57.0 85.4



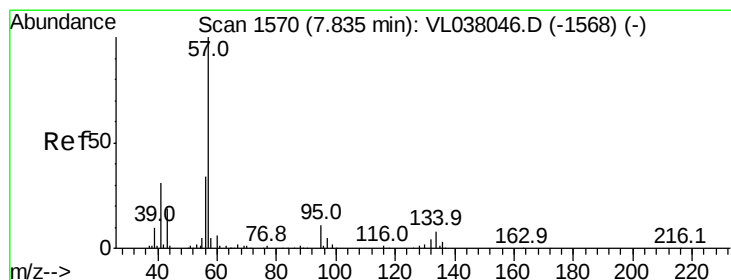
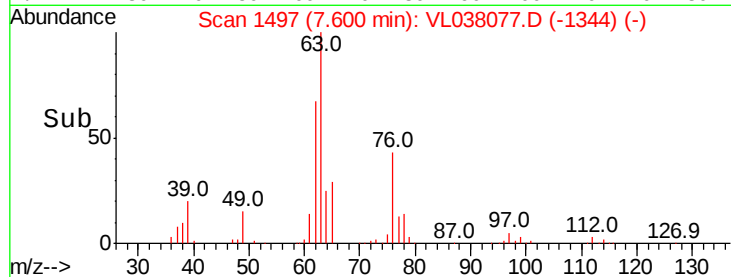
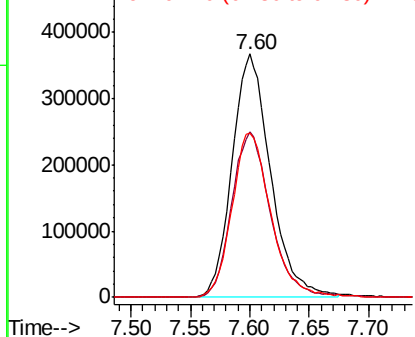


#39
 1,2-Dichloropropane
 Concen: 9.733 ppbv
 RT: 7.60
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 19 Nov 2021 7:15

Tot Ion: 63 Resp: 821343
 Ion Ratio Lower Upper
 63 100
 41 68.1 52.3 78.5
 62 67.2 55.1 82.7

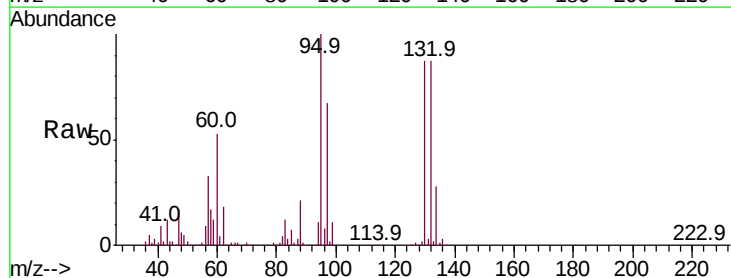


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

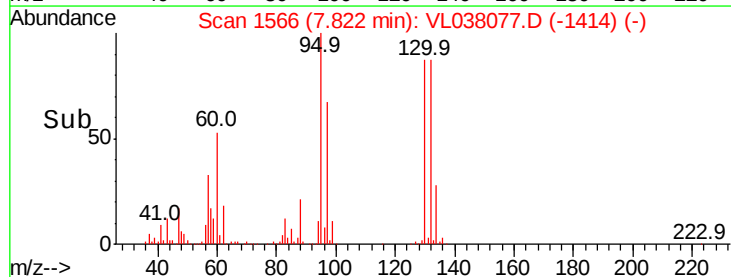
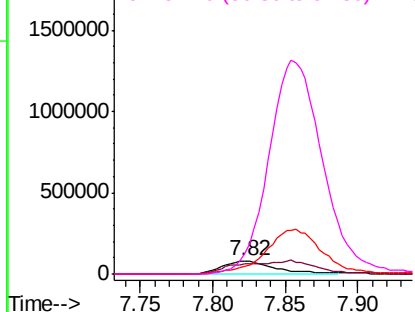


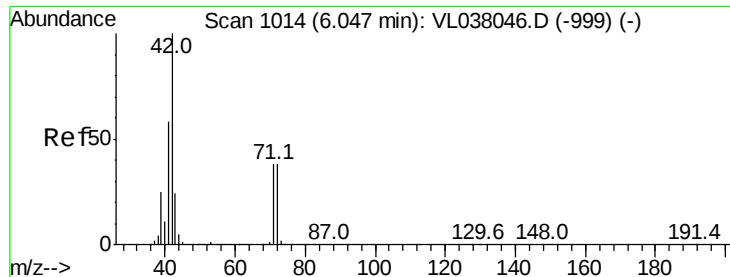
#40
 1,4-Dioxane
 Concen: 8.917 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL038077.D
 Acq: 19 Nov 2021 7:15

Tgt Ion: 88 Resp: 196048
 Ion Ratio Lower Upper
 88 100
 58 158.1 229.2 343.8#
 43 386.3 553.3 829.9#
 57 1748.2 2513.8 3770.8#



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: 9.741 ppbv

RT: 6.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 7:15

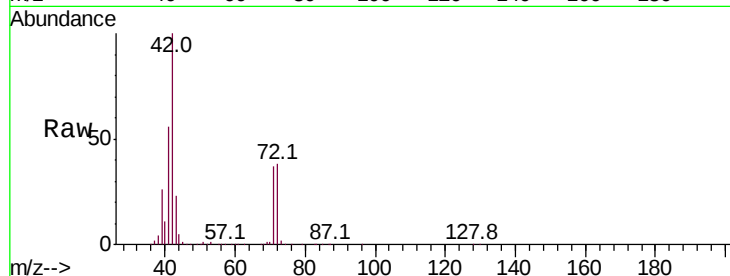
Tot Ion: 42 Resp: 537747

Ion Ratio Lower Upper

42 100

72 38.7 31.7 47.5

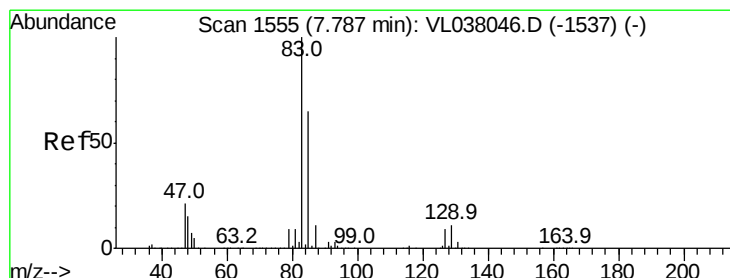
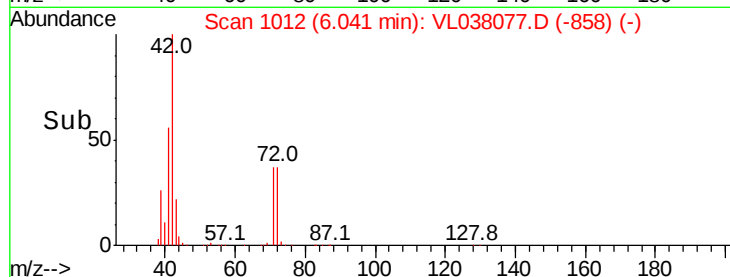
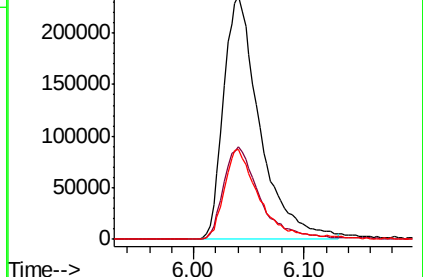
71 36.6 30.6 46.0



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: 9.962 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

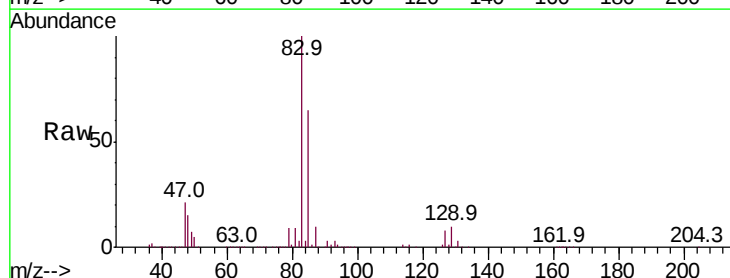
Tgt Ion: 83 Resp: 1609060

Ion Ratio Lower Upper

83 100

85 64.7 51.9 77.9

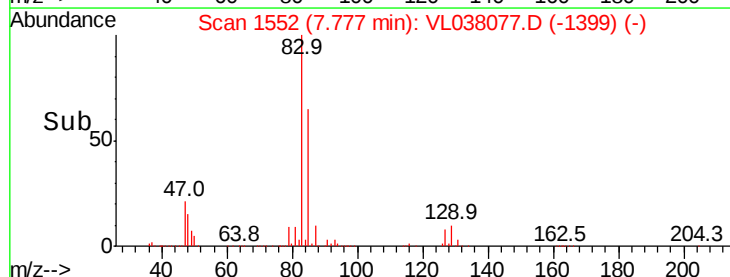
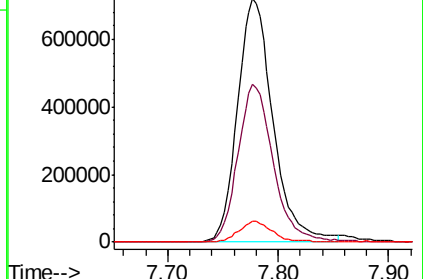
127 8.3 6.8 10.2

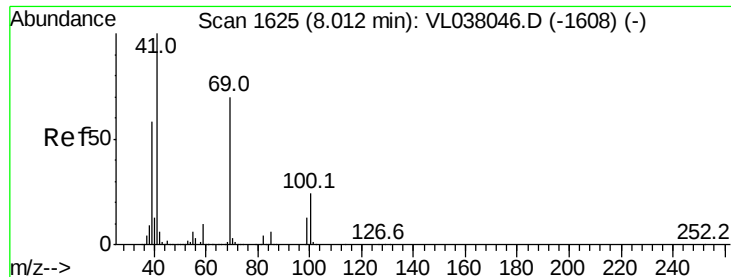


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

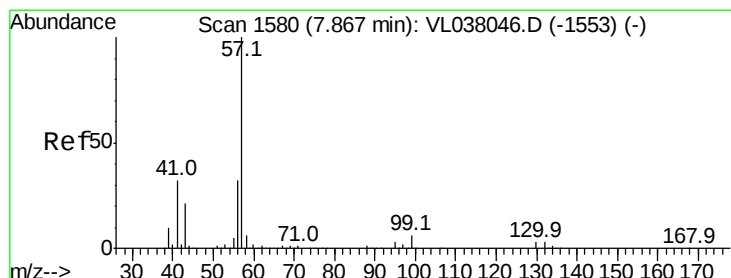
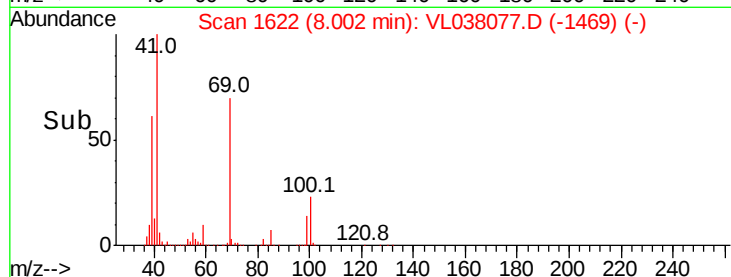
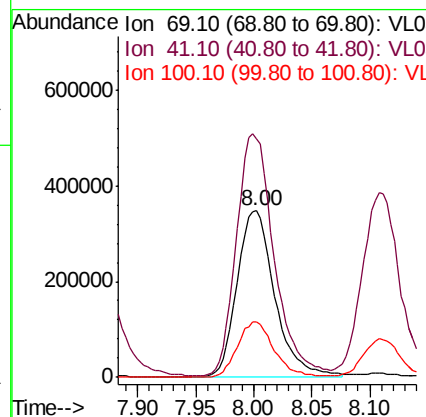
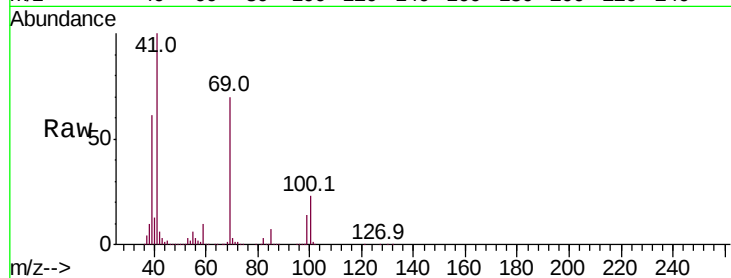
Ion 126.90 (126.60 to 127.60): V





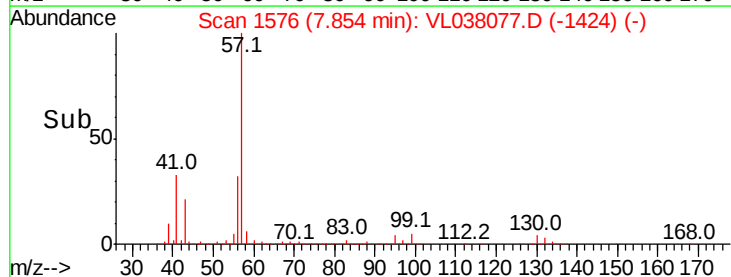
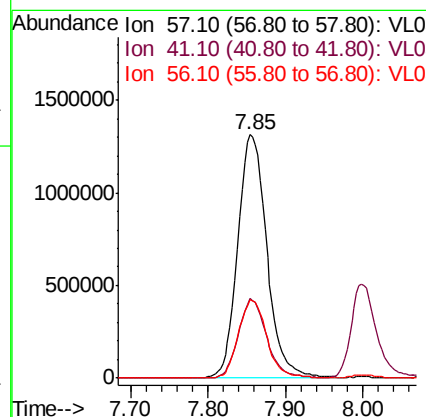
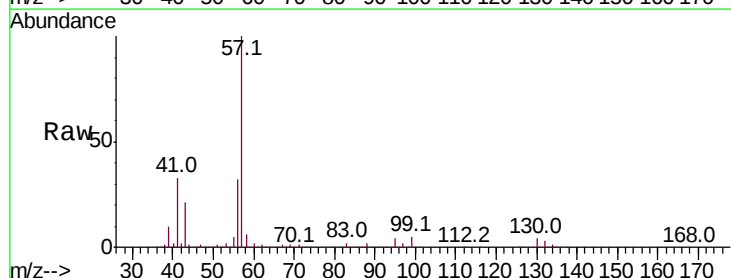
#43
Methyl Methacrylate
Concen: 10.439 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 7:15

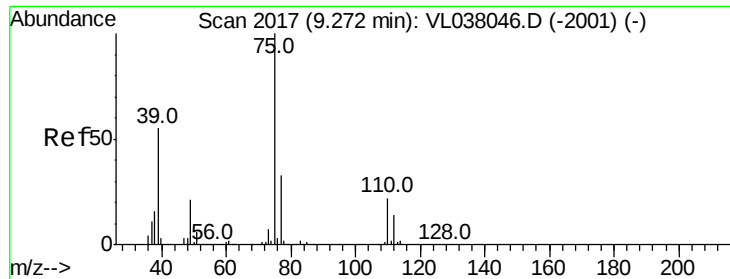
Tot Ion: 69 Resp: 785633
Ion Ratio Lower Upper
69 100
41 146.0 116.7 175.1
100 32.5 27.3 40.9



#44
2,2,4-Trimethylpentane
Concen: 9.306 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VL038077.D
Acq: 19 Nov 2021 7:15

Tgt Ion: 57 Resp: 3425244
Ion Ratio Lower Upper
57 100
41 31.5 25.8 38.6
56 31.3 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 11.677 ppbv

RT: 9.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

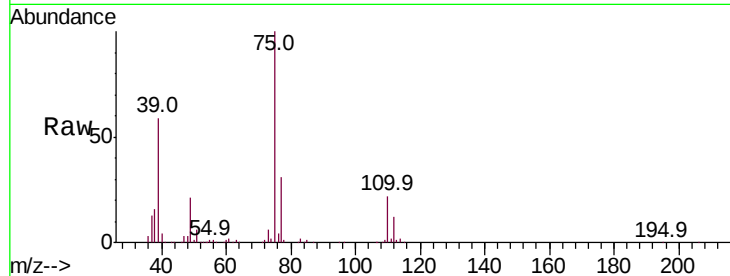
Acq: 19 Nov 2021 7:15 VSTDCCC010EC

Tot Ion: 75 Resp: 704933

Ion Ratio Lower Upper

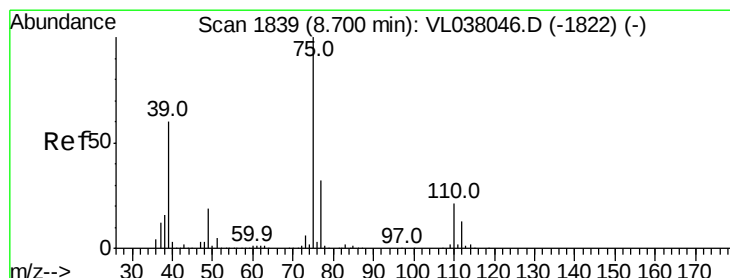
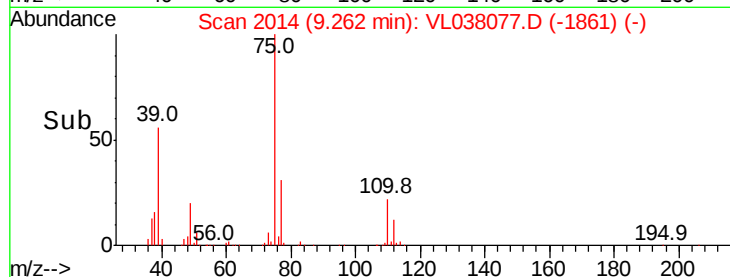
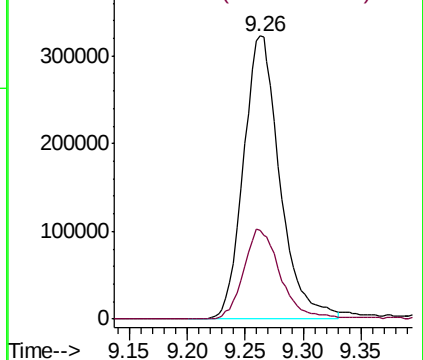
75 100

77 31.2 26.2 39.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.888 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

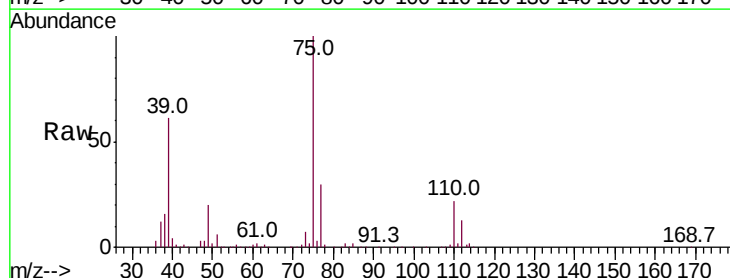
Tgt Ion: 75 Resp: 889024

Ion Ratio Lower Upper

75 100

39 61.3 47.8 71.8

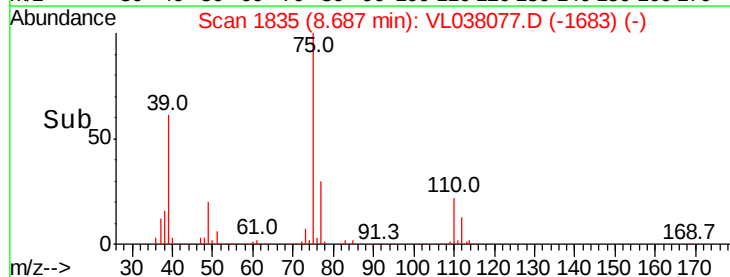
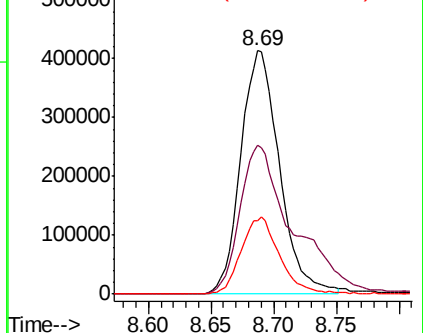
77 30.0 25.5 38.3

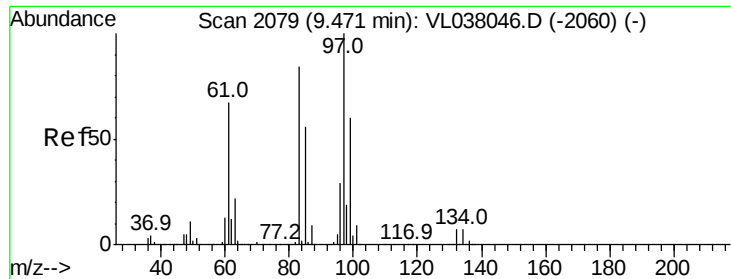


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

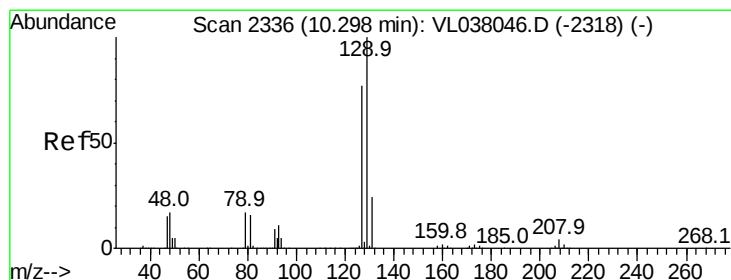
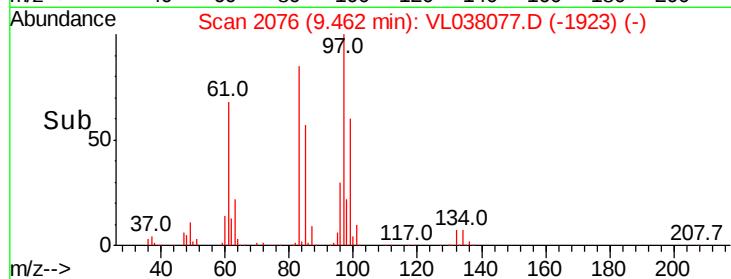
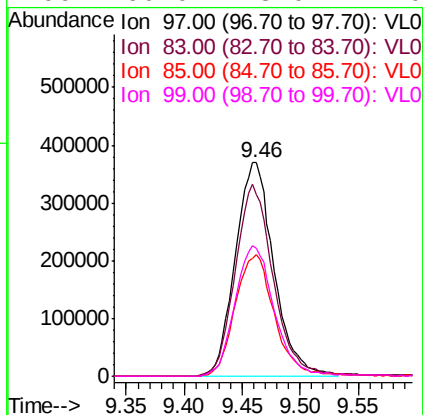
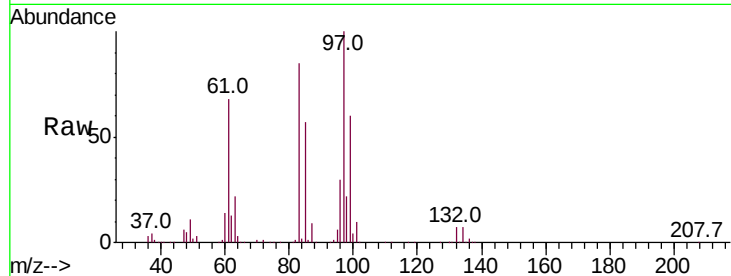
Ion 77.00 (76.70 to 77.70): VL0





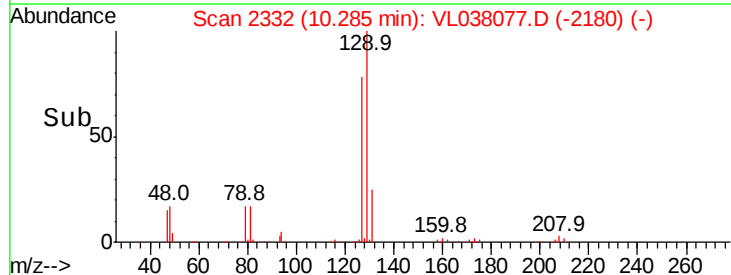
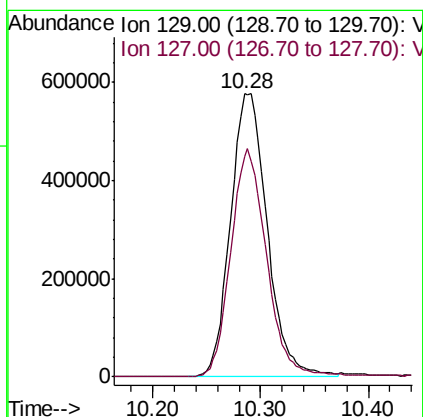
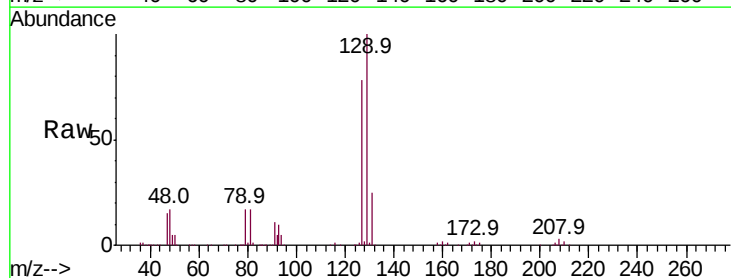
#47
 1,1,2-Trichloroethane
 Concen: 9.655 ppbv
 RT: 9.46
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 7:15

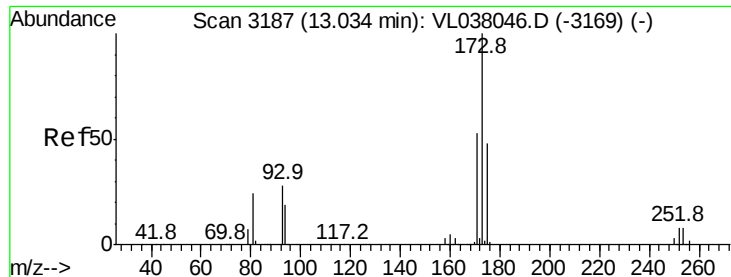
Tot Ion: 97 Resp: 853335
 Ion Ratio Lower Upper
 97 100
 83 85.2 66.8 100.2
 85 57.2 44.9 67.3
 99 60.0 48.0 72.0



#48
 Dibromochloromethane
 Concen: 10.186 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.01 min
 Lab File: VL038077.D
 Acq: 19 Nov 2021 7:15

Tgt Ion: 129 Resp: 1371005
 Ion Ratio Lower Upper
 129 100
 127 79.0 39.4 118.1





#49

Bromoform

Concen: 10.523 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 7:15

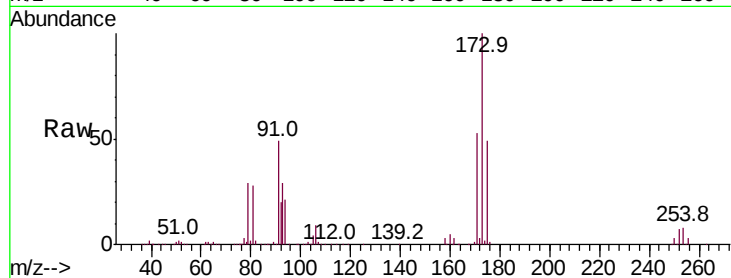
Tot Ion:173 Resp: 1013269

Ion Ratio Lower Upper

173 100

175 50.5 42.5 63.7

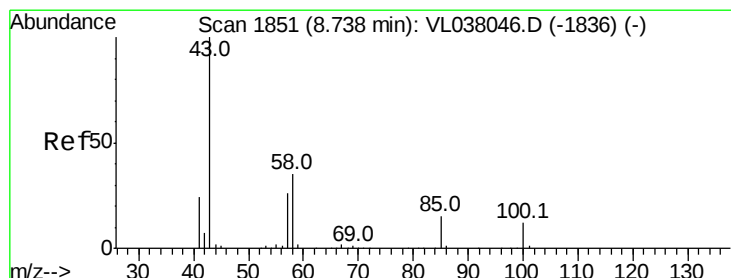
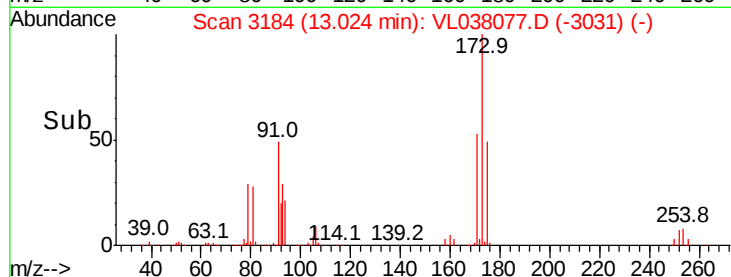
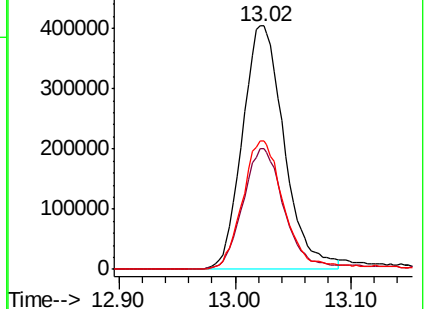
171 53.9 44.0 66.0



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: 10.089 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VL038077.D

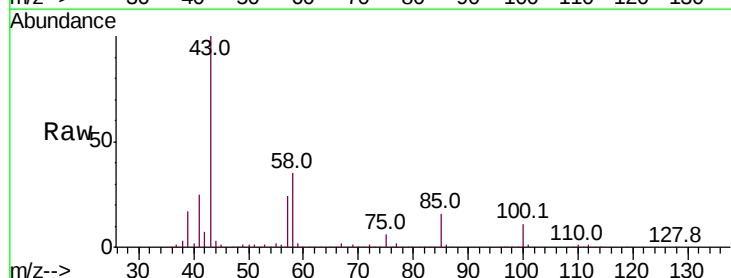
Acq: 19 Nov 2021 7:15

Tgt Ion: 43 Resp: 1362560

Ion Ratio Lower Upper

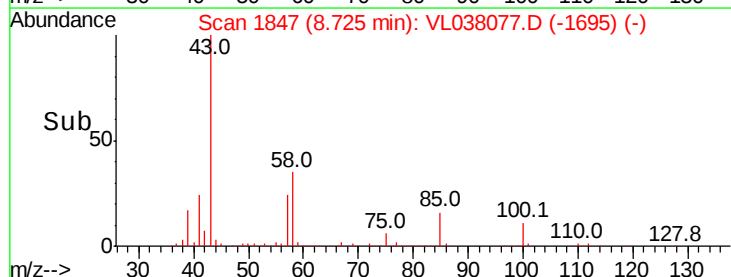
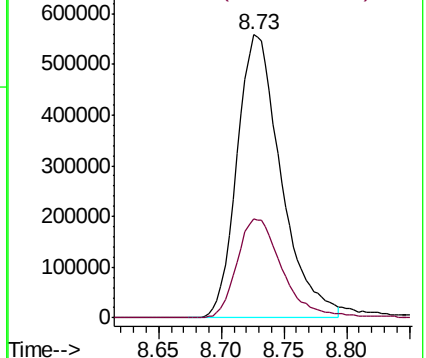
43 100

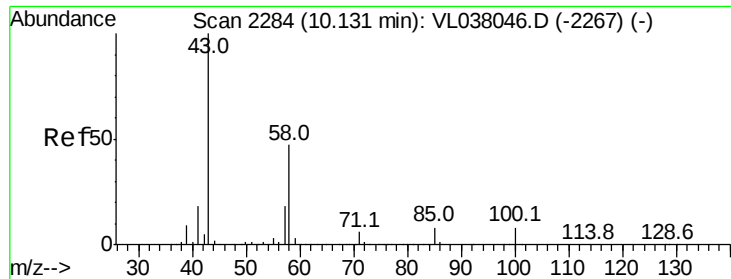
58 36.7 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.314 ppbv

RT: 10.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 7:15

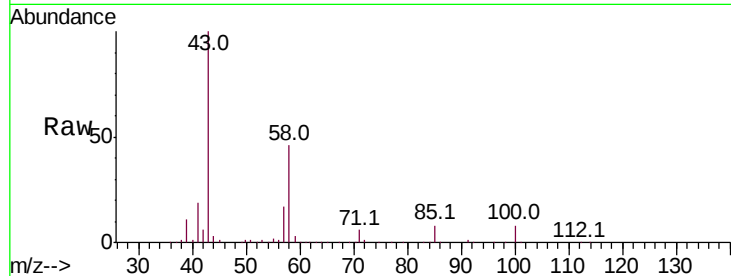
Tot Ion: 43 Resp: 655344

Ion Ratio Lower Upper

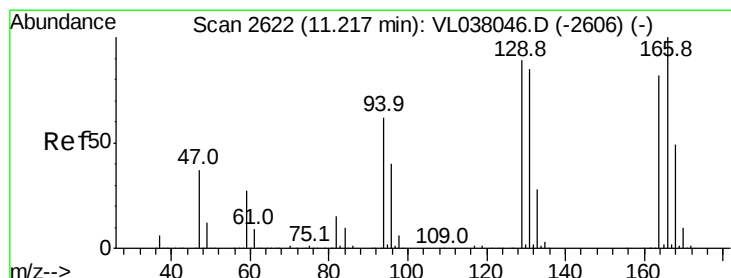
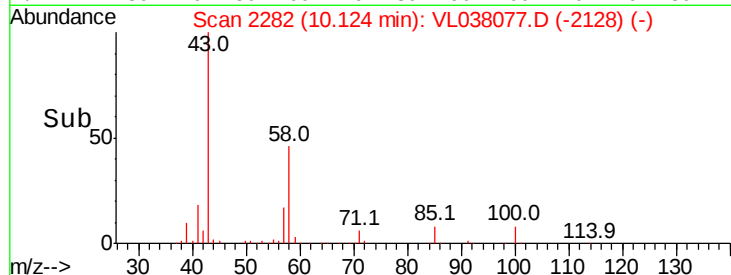
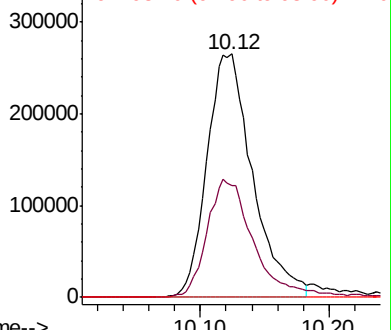
43 100

58 50.6 41.1 61.7

98 0.1 0.1 0.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.667 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

Tgt Ion: 164 Resp: 705467

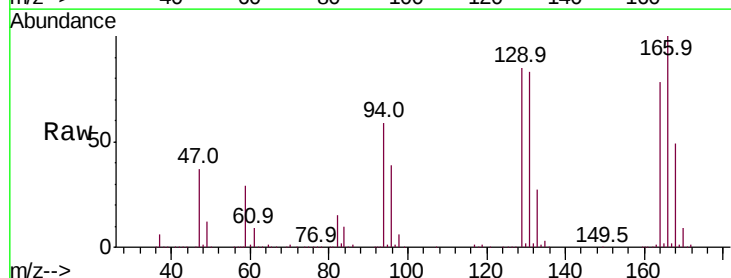
Ion Ratio Lower Upper

164 100

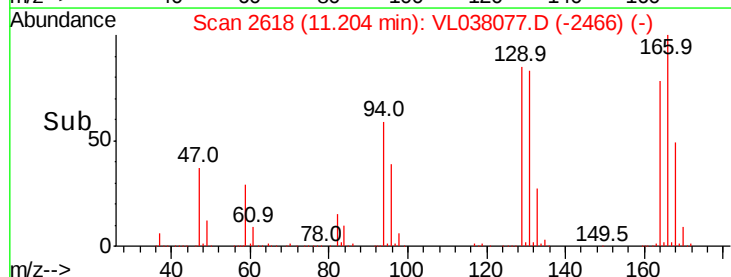
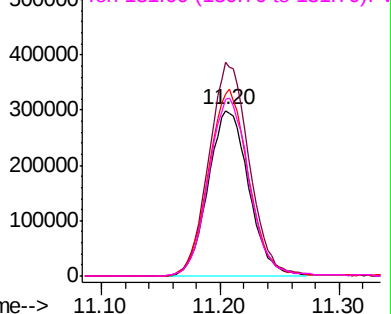
166 128.8 97.2 145.8

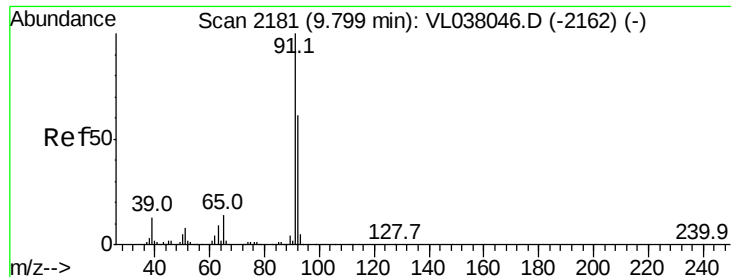
129 110.0 86.9 130.3

131 106.9 82.8 124.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.582 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

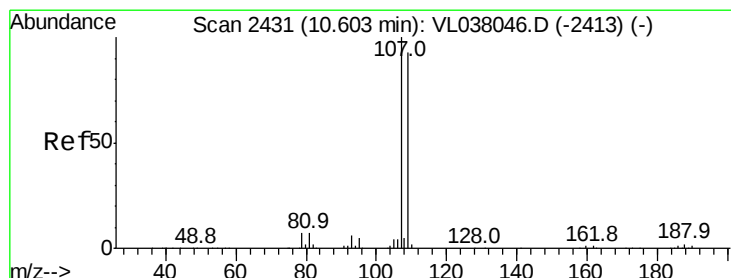
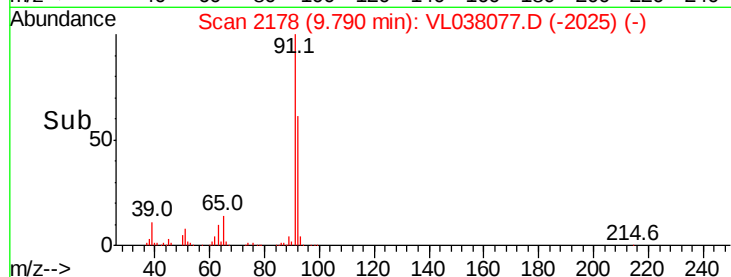
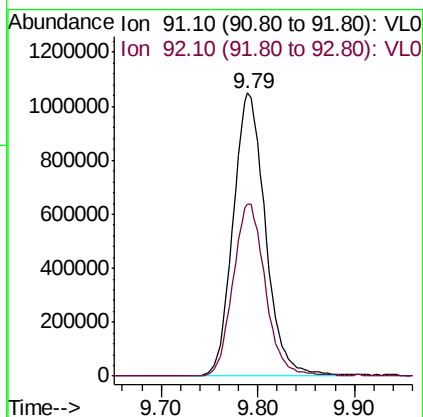
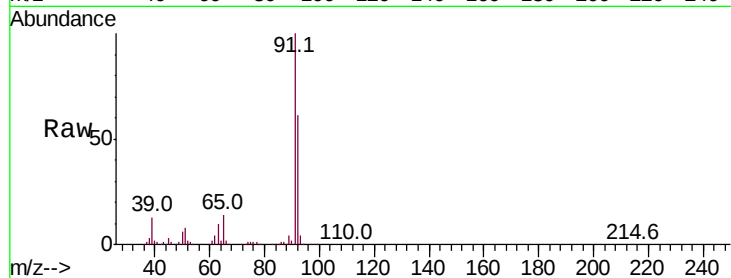
Acq: 19 Nov 2021 7:15 VSTDCCC010EC

Tot Ion: 91 Resp: 2425216

Ion Ratio Lower Upper

91 100

92 61.2 49.7 74.5



#54

1,2-Dibromoethane

Concen: 9.936 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.01 min

Lab File: VL038077.D

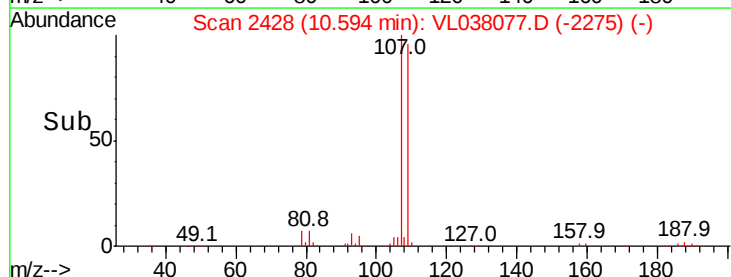
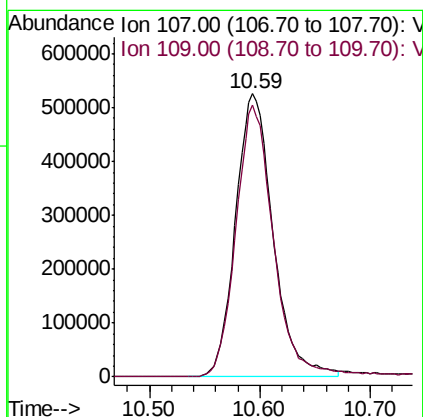
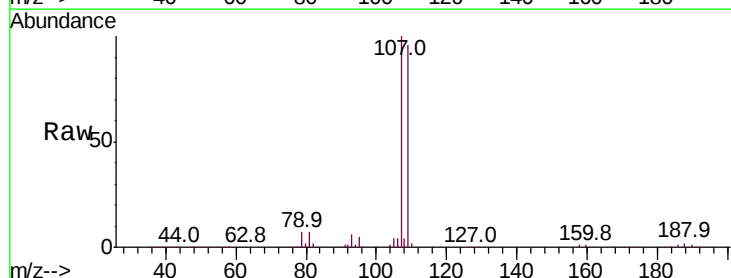
Acq: 19 Nov 2021 7:15

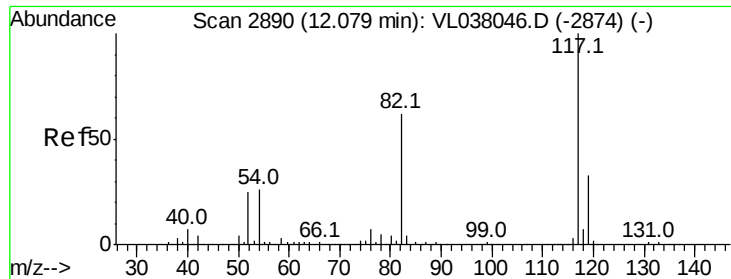
Tgt Ion: 107 Resp: 1240381

Ion Ratio Lower Upper

107 100

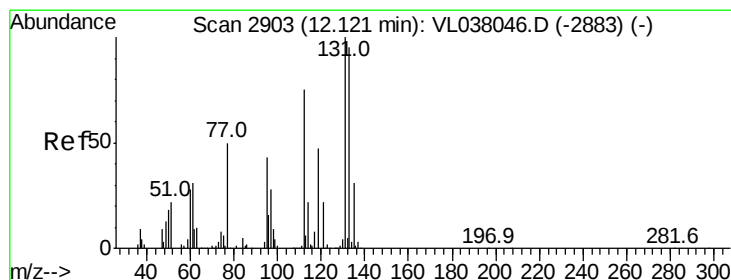
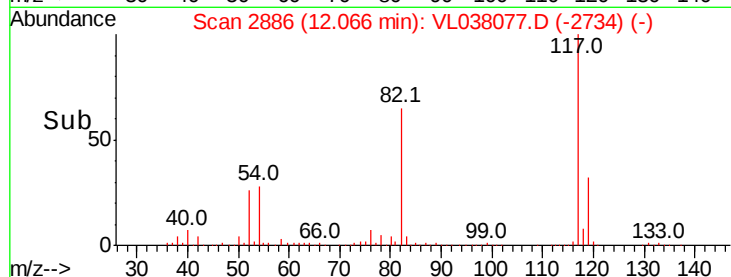
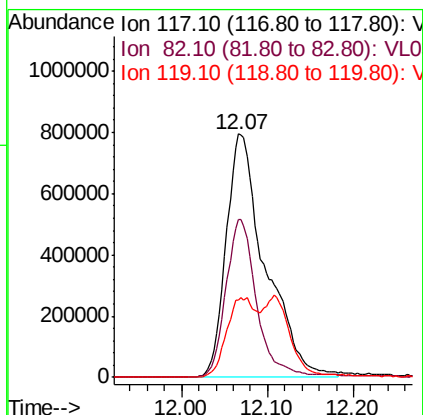
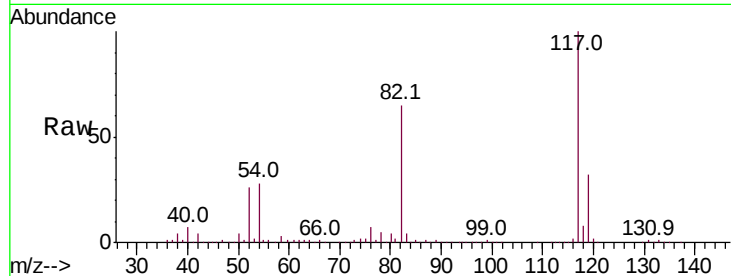
109 96.0 74.6 111.8





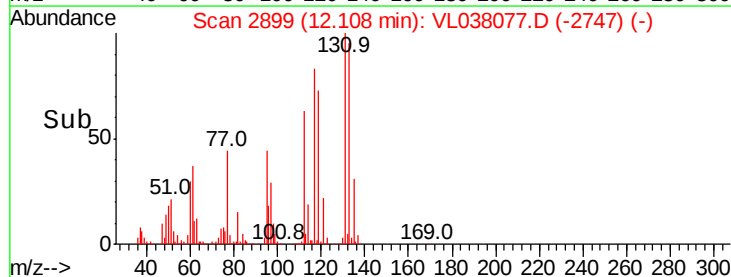
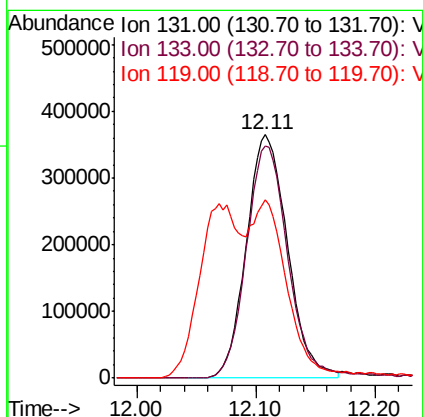
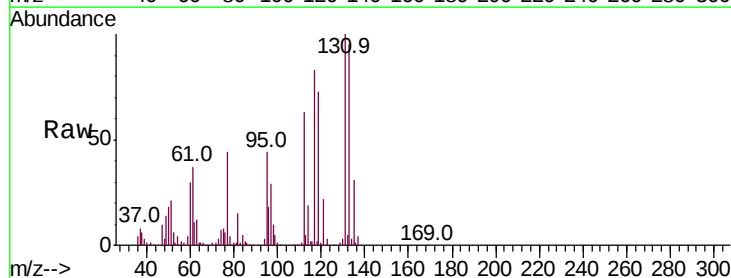
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 7:15

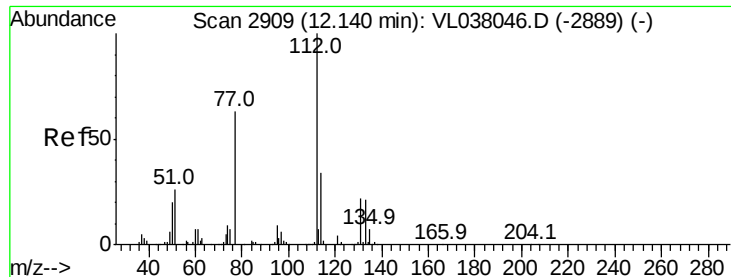
Tot Ion:117 Resp: 2519482
 Ion Ratio Lower Upper
 117 100
 82 51.8 52.8 79.2#
 119 22.3 26.8 40.2#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.651 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T. -0.01 min
 Lab File: VL038077.D
 Acq: 19 Nov 2021 7:15

Tgt Ion:131 Resp: 875046
 Ion Ratio Lower Upper
 131 100
 133 98.1 78.8 118.2
 119 68.6 56.3 84.5





#57

Chlorobenzene

Concen: 7.560 ppbv

RT: 12.13

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 19 Nov 2021 7:15

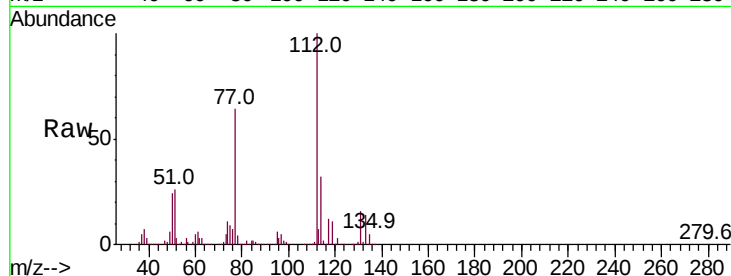
Tot Ion:112 Resp: 1707282

Ion Ratio Lower Upper

112 100

77 63.1 50.3 75.5

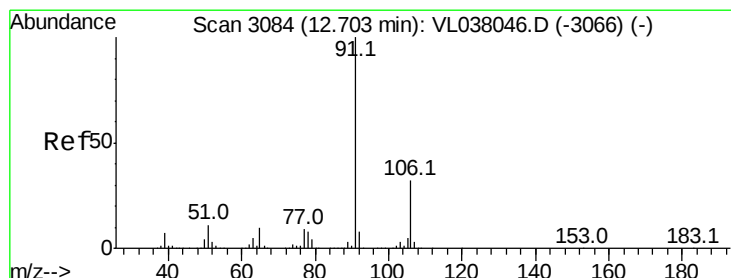
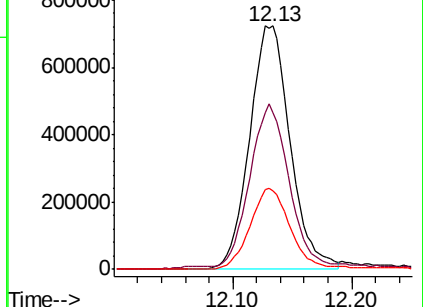
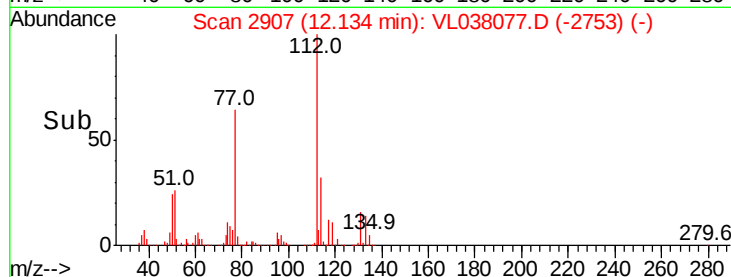
114 32.0 30.7 37.5



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: 7.650 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. -0.01 min

Lab File: VL038077.D

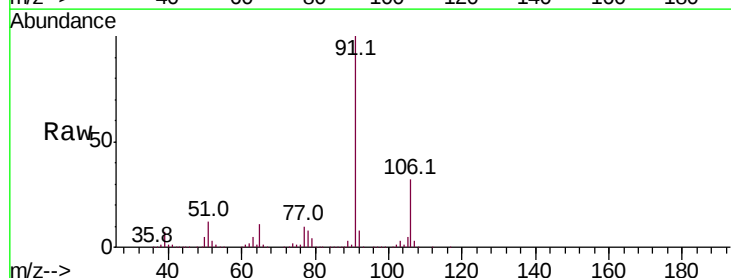
Acq: 19 Nov 2021 7:15

Tgt Ion: 91 Resp: 3185478

Ion Ratio Lower Upper

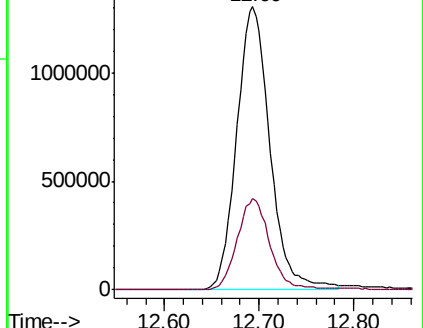
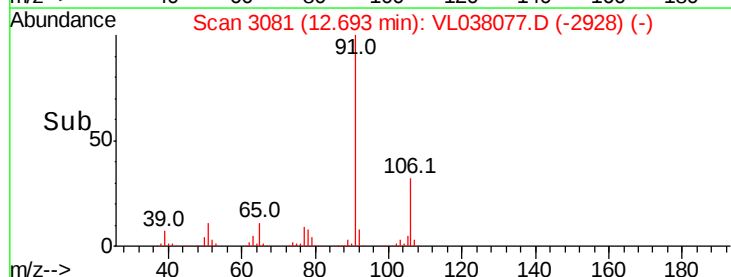
91 100

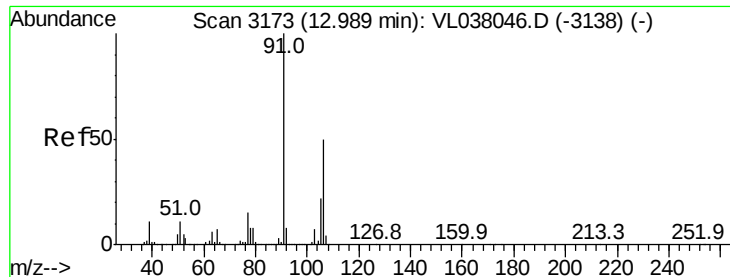
106 32.3 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

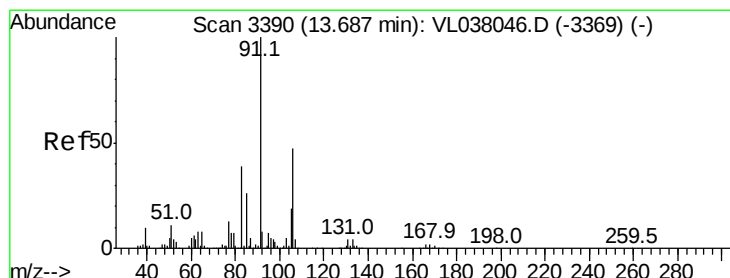
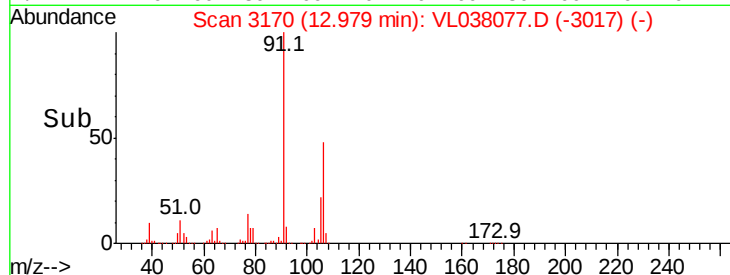
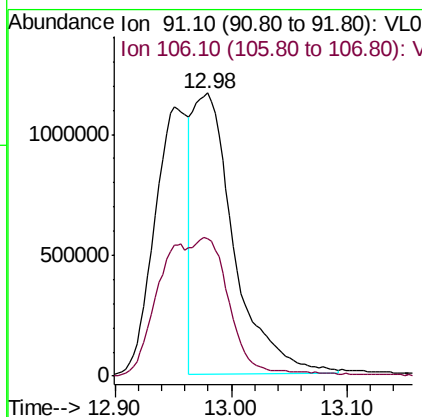
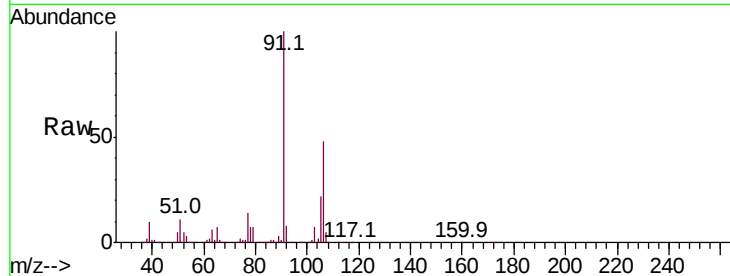
Ion 106.10 (105.80 to 106.80): V





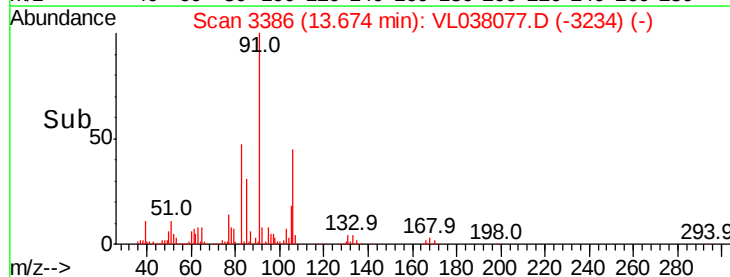
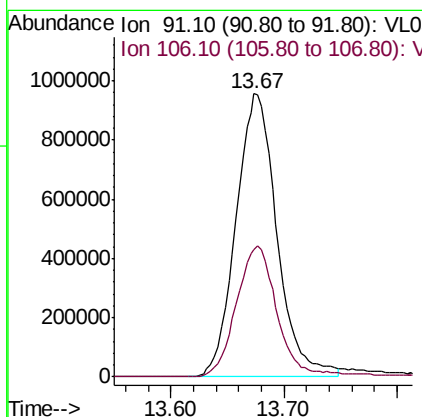
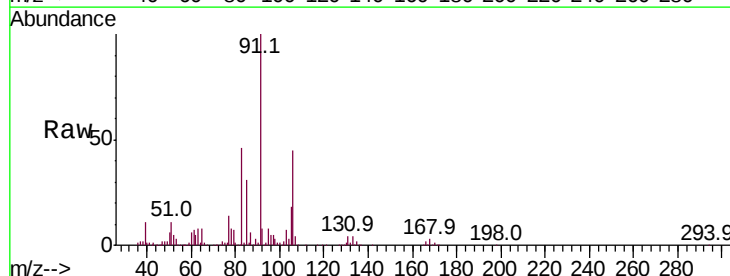
#59
m/p-Xylene
Concen: 8.163 ppbv
RT: 12.98 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 7:15

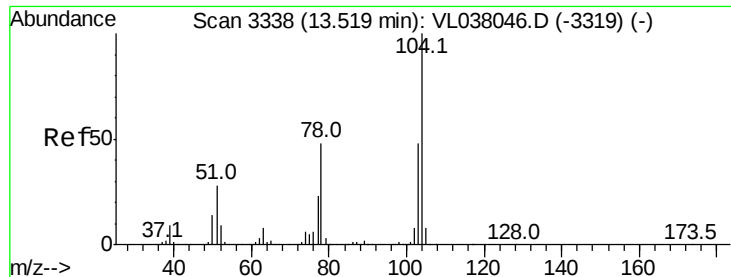
Tot Ion: 91 Resp: 2861520
Ion Ratio Lower Upper
91 100
106 84.1 38.1 57.1#



#60
o-Xylene
Concen: 7.383 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL038077.D
Acq: 19 Nov 2021 7:15

Tgt Ion: 91 Resp: 2400968
Ion Ratio Lower Upper
91 100
106 47.7 24.2 72.6

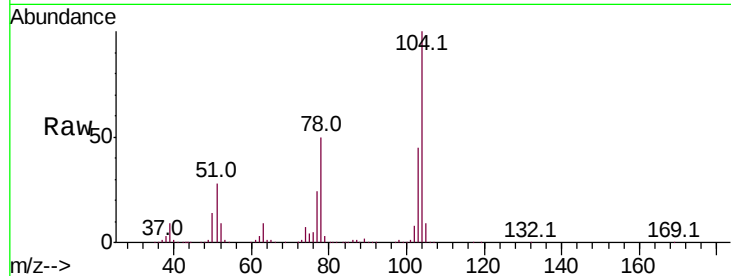




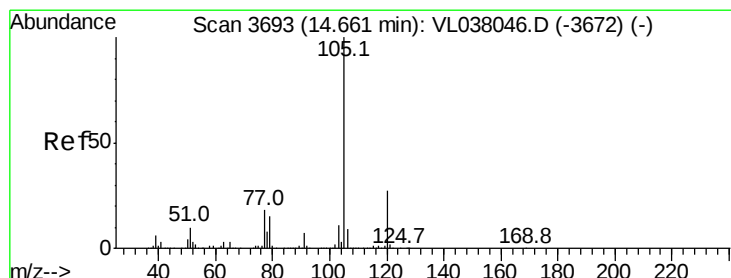
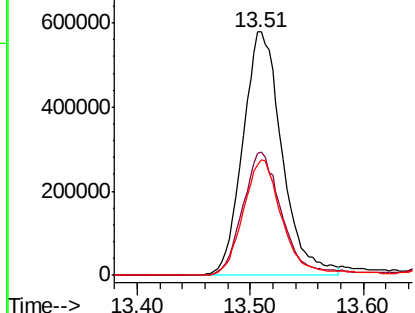
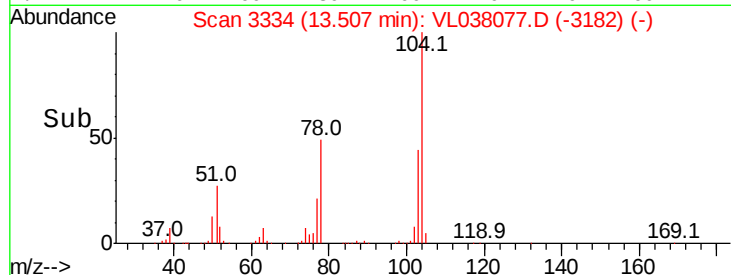
#61
Stvrene
Concen: 8.015 ppbv
RT: 13.51 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 19 Nov 2021 7:15

Tot Ion:104 Resp: 1397305

Ion	Ratio	Lower	Upper
104	100		
78	51.0	39.8	59.6
103	47.9	38.2	57.2



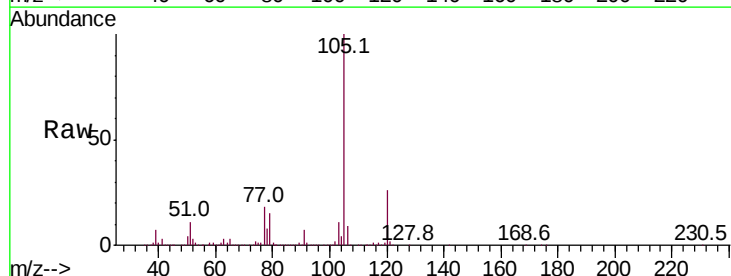
Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



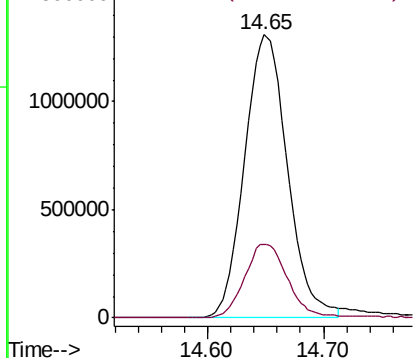
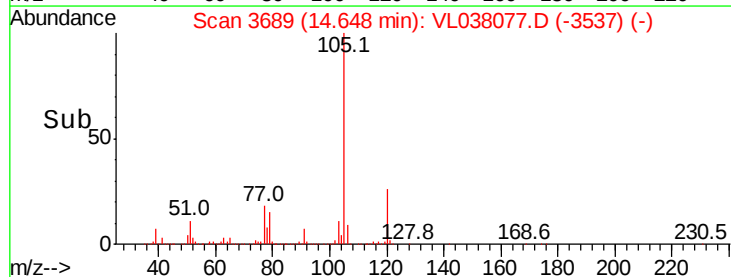
#62
Isopropylbenzene
Concen: 7.308 ppbv
RT: 14.65 min Scan# 3689
Delta R.T.: -0.01 min
Lab File: VL038077.D
Acq: 19 Nov 2021 7:15

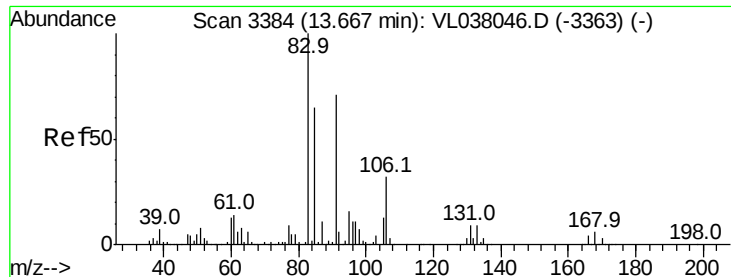
Tgt Ion:105 Resp: 3373477

Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.8	32.6



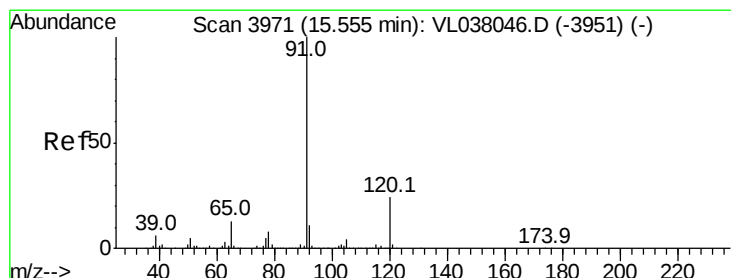
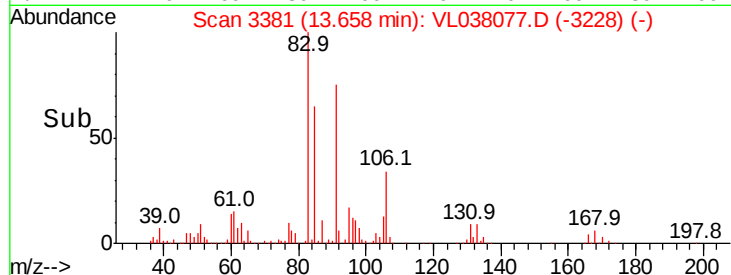
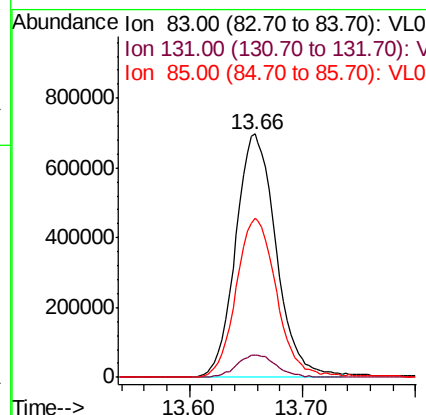
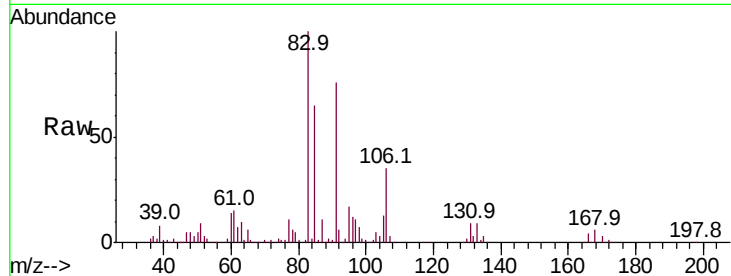
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





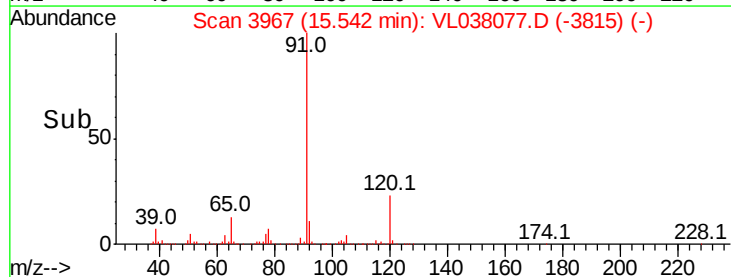
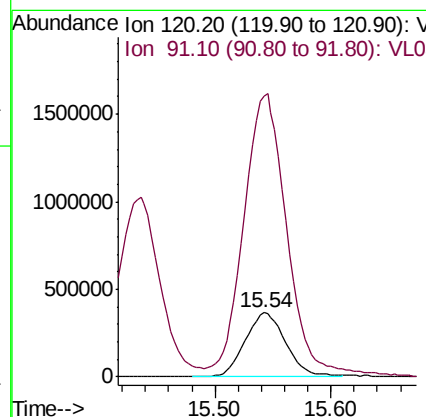
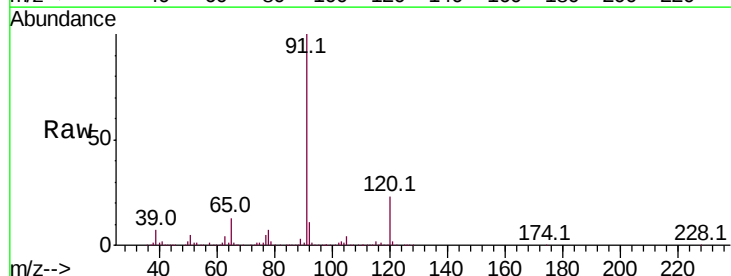
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.134 ppbv
 RT: 13.66 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 7:15

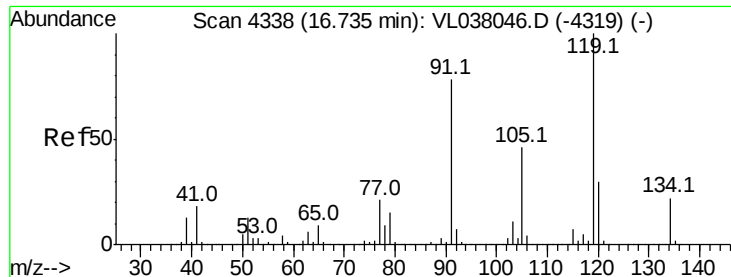
Tot Ion: 83 Resp: 1723245
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.9 14.7
 85 67.1 33.4 100.1



#64
 n-propylbenzene
 Concen: 7.606 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. -0.01 min
 Lab File: VL038077.D
 Acq: 19 Nov 2021 7:15

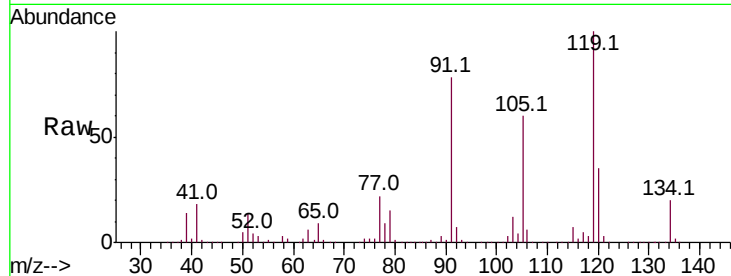
Tgt Ion: 120 Resp: 894403
 Ion Ratio Lower Upper
 120 100
 91 470.0 371.7 557.5



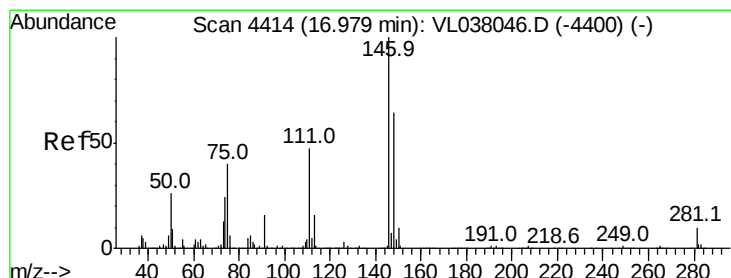
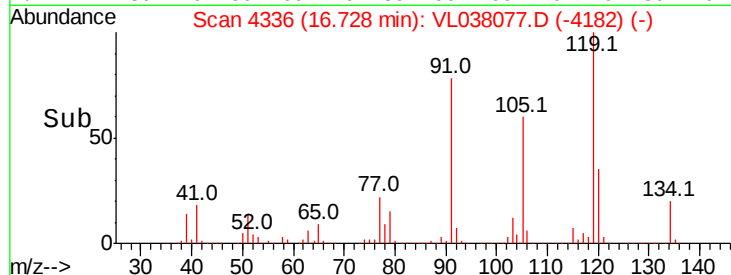
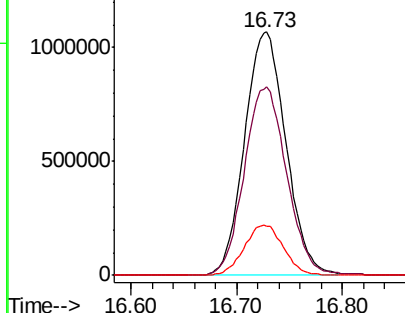


#65
tert-Butylbenzene
Concen: 7.163 ppbv
RT: 16.73 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 19 Nov 2021 7:15

Tot Ion: 119 Resp: 2912974
Ion Ratio Lower Upper
119 100
91 79.6 63.2 94.8
134 19.8 16.1 24.1

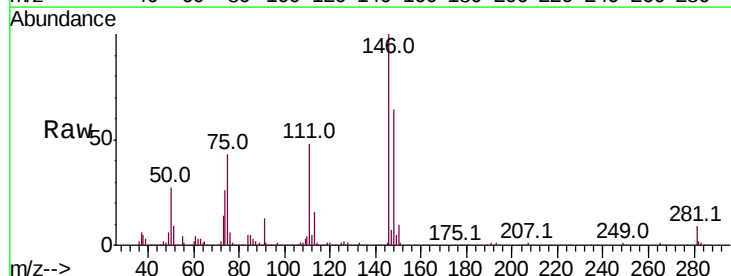


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

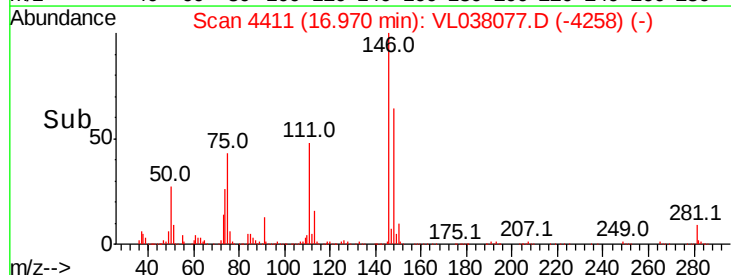
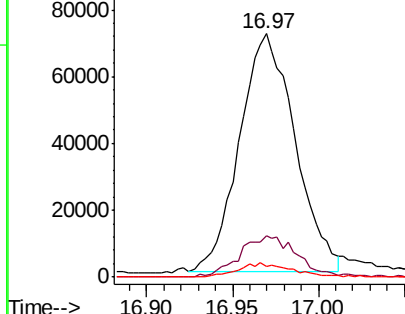


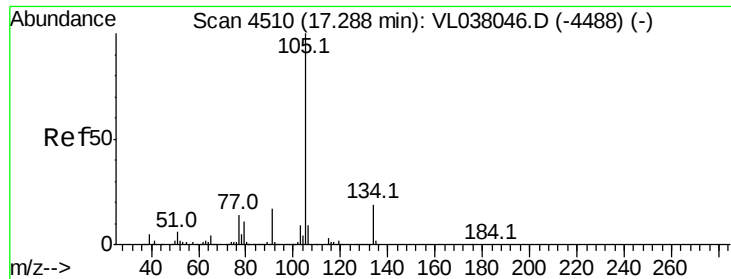
#66
Benzyl Chloride
Concen: 7.790 ppbv
RT: 16.97 min Scan# 4411
Delta R.T.: -0.01 min
Lab File: VL038077.D
Acq: 19 Nov 2021 7:15

Tgt Ion: 91 Resp: 160566
Ion Ratio Lower Upper
91 100
126 18.2 15.5 23.3
128 5.9 5.6 8.4



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





#67

sec-Butylbenzene

Concen: 7.353 ppbv

RT: 17.27

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

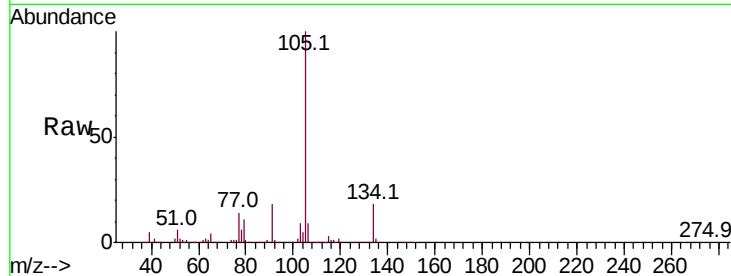
Acq: 19 Nov 2021 7:15

Tot Ion:105 Resp: 4166564

Ion Ratio Lower Upper

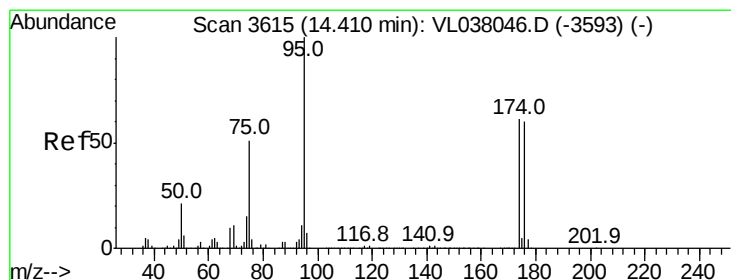
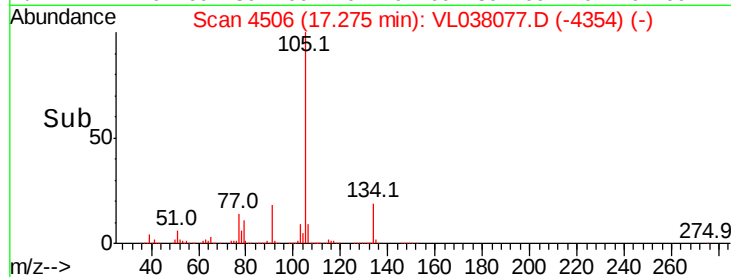
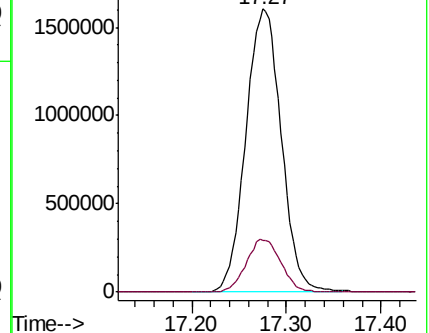
105 100

134 18.4 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: 8.145 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.02 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

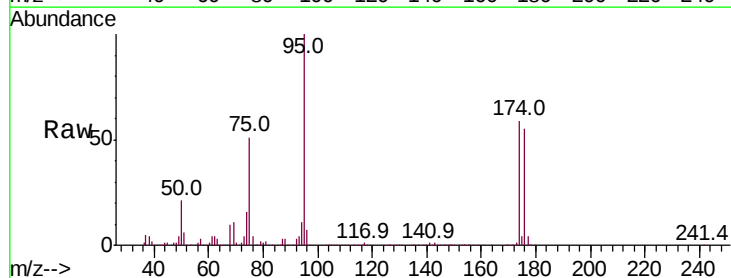
Tgt Ion: 95 Resp: 1480281

Ion Ratio Lower Upper

95 100

174 63.7 53.1 79.7

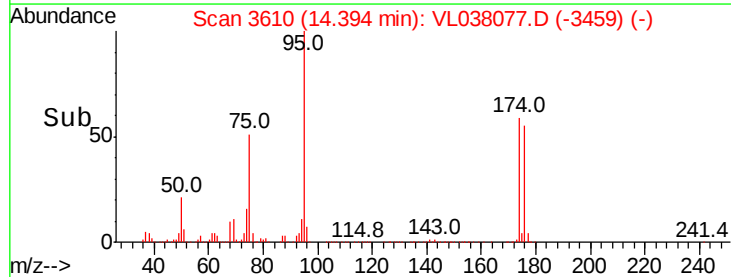
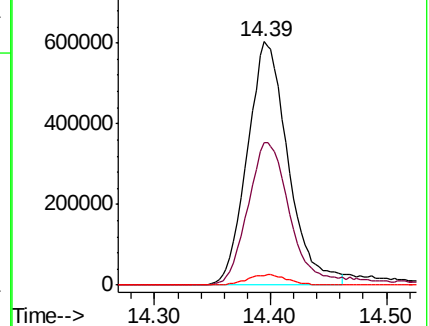
175 4.7 4.0 6.0

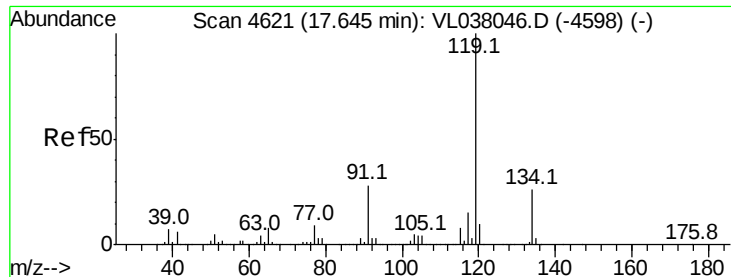


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.692 ppbv

RT: 17.64 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 7:15

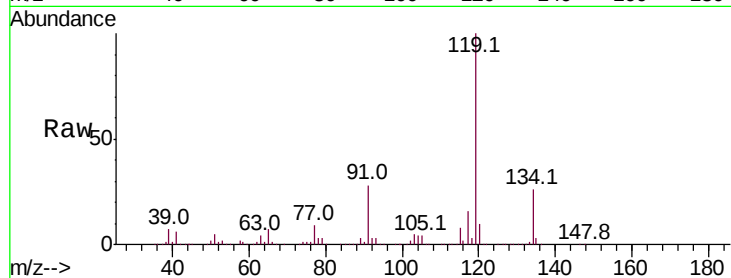
Tot Ion: 119 Resp: 3409809

Ion Ratio Lower Upper

119 100

134 25.5 20.6 30.8

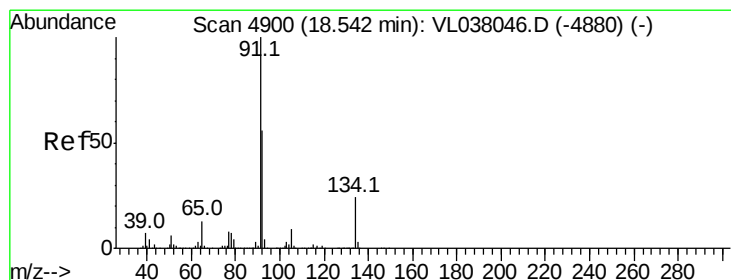
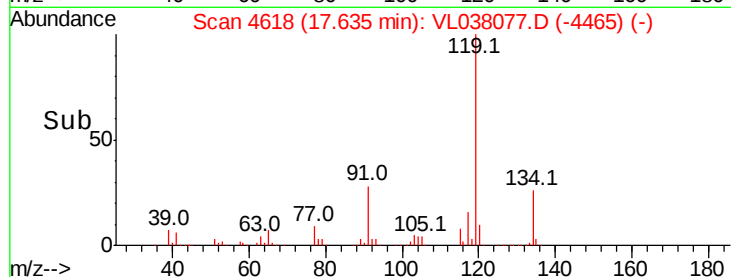
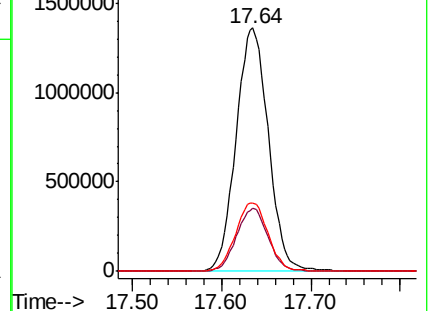
91 28.4 22.2 33.4



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: 7.962 ppbv

RT: 18.53 min Scan# 4896

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

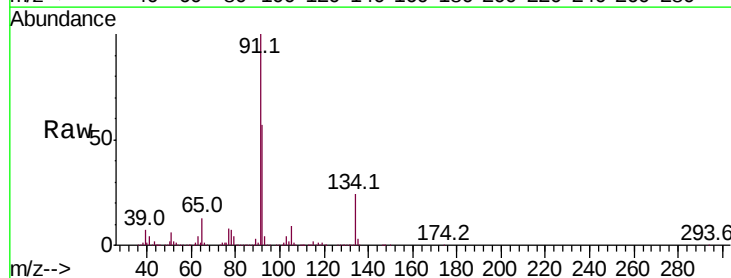
Tgt Ion: 91 Resp: 3374340

Ion Ratio Lower Upper

91 100

92 55.1 44.1 66.1

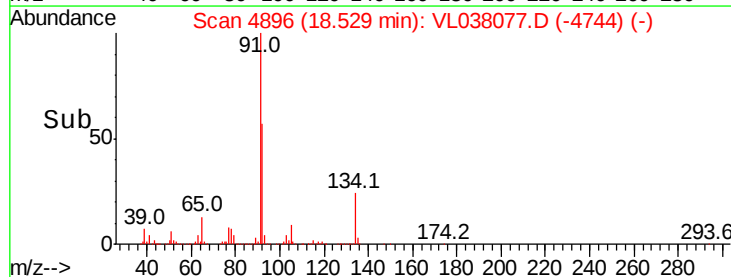
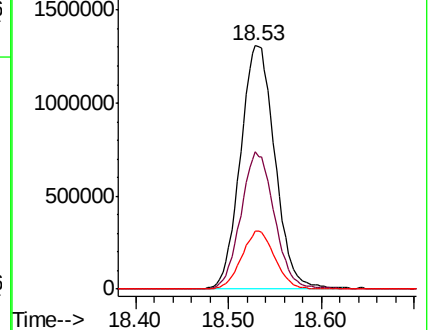
134 23.2 18.9 28.3

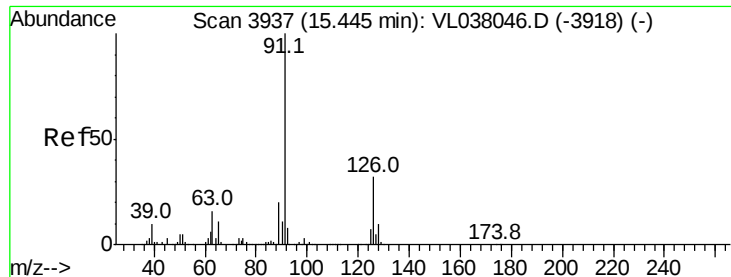


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.588 ppbv

RT: 15.44

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

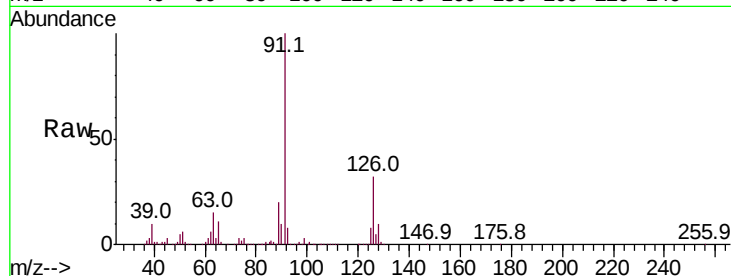
Acq: 19 Nov 2021 7:15

Tot Ion: 91 Resp: 2560822

Ion Ratio Lower Upper

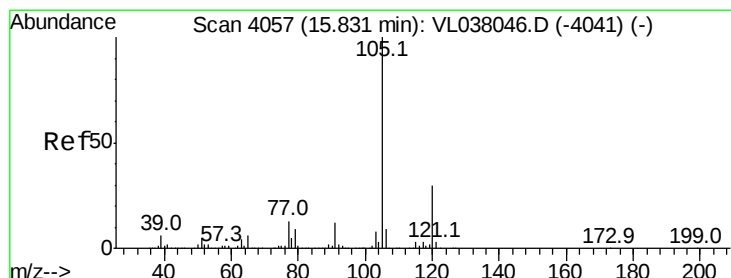
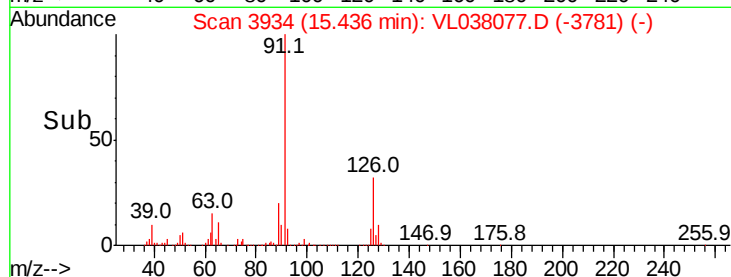
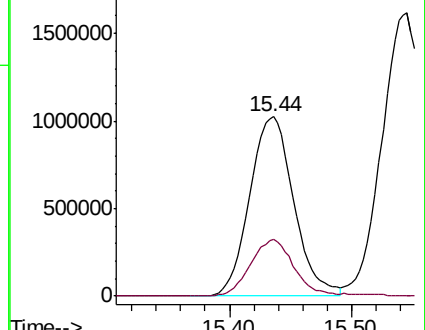
91 100

126 32.3 13.1 52.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.740 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

Tgt Ion:105 Resp: 2918397

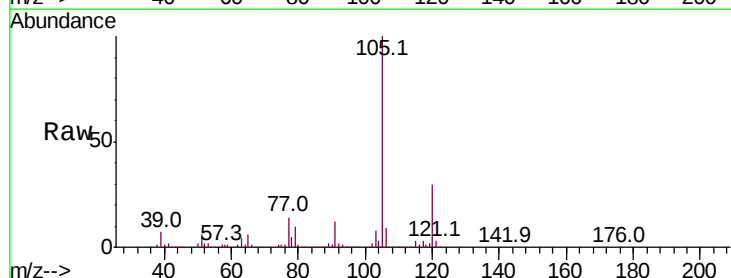
Ion Ratio Lower Upper

105 100

120 31.3 25.1 37.7

91 12.4 9.7 14.5

77 13.7 10.6 16.0

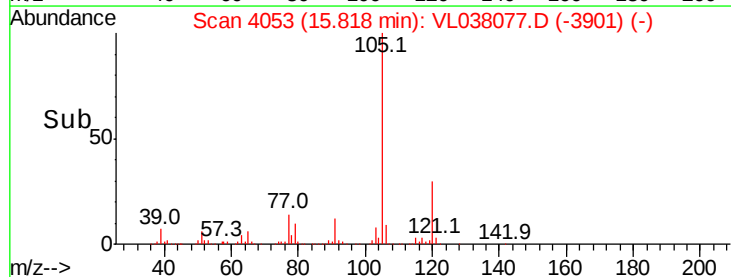
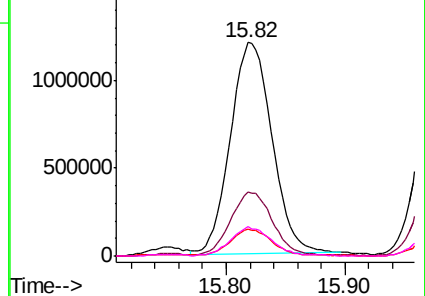


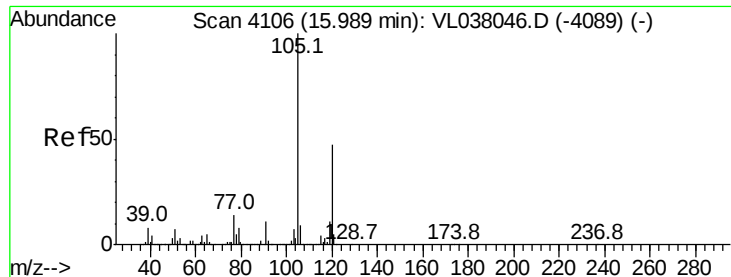
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 7.581 ppbv

RT: 15.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

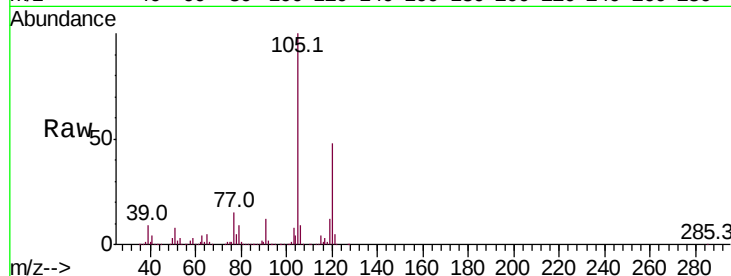
Acq: 19 Nov 2021 7:15

Tot Ion:105 Resp: 2610747

Ion Ratio Lower Upper

105 100

120 47.8 37.8 56.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1200000

1000000

800000

600000

400000

200000

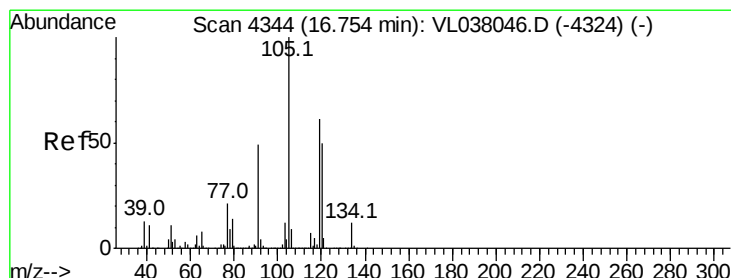
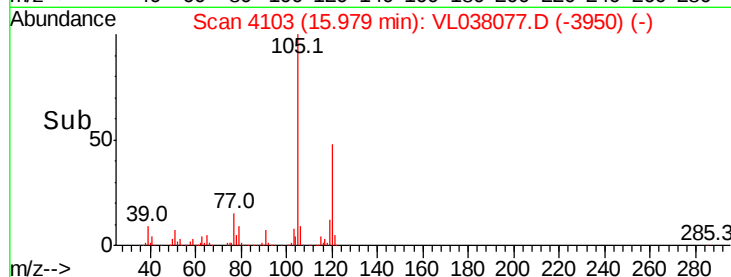
0

15.90

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.610 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

Tgt Ion:105 Resp: 2700577

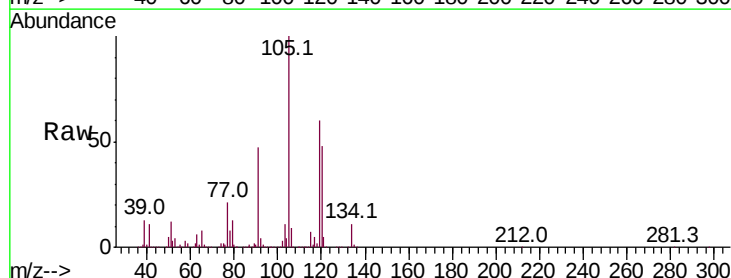
Ion Ratio Lower Upper

105 100

120 48.3 40.1 60.1

91 47.2 39.8 59.8

77 20.9 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

1500000

1000000

500000

0

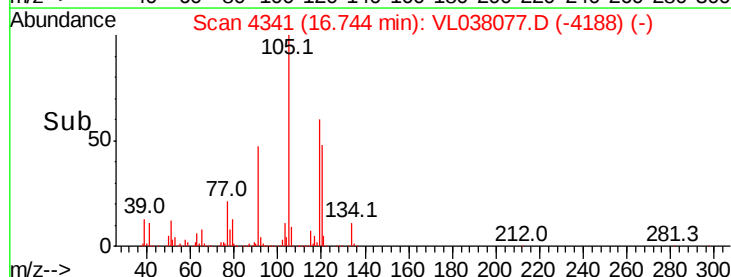
16.60

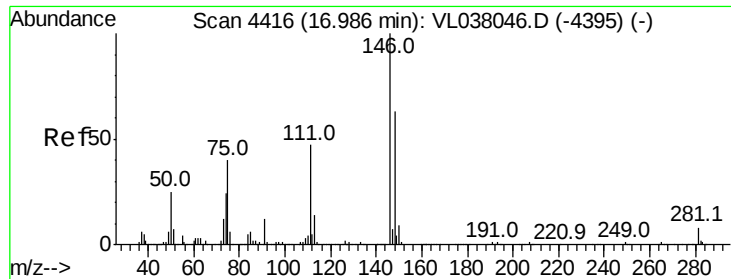
16.70

16.80

16.90

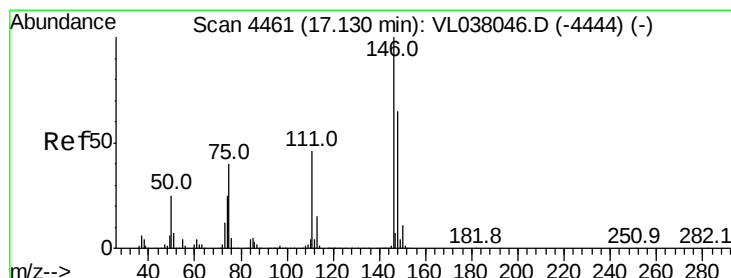
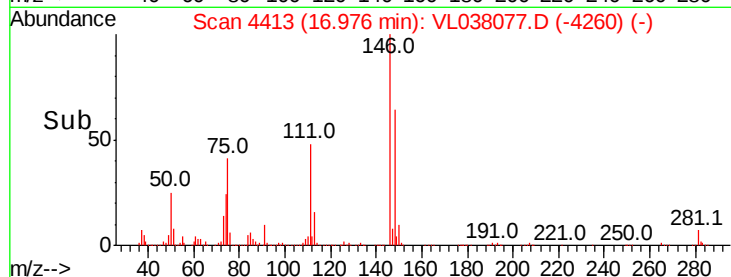
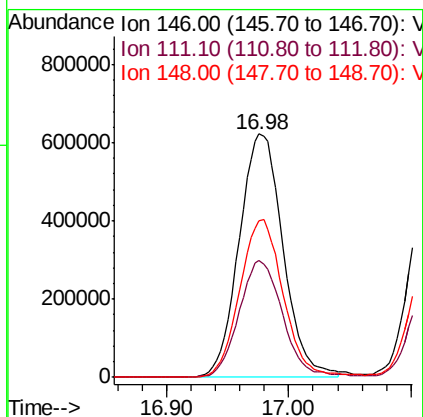
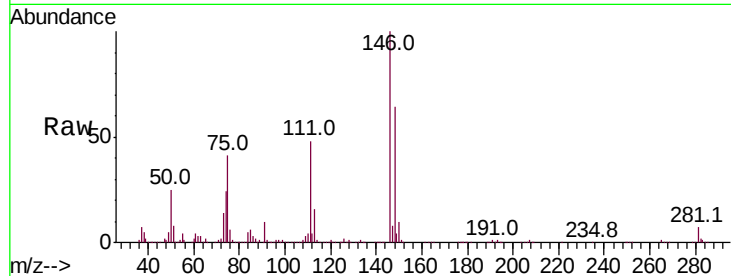
Time-->





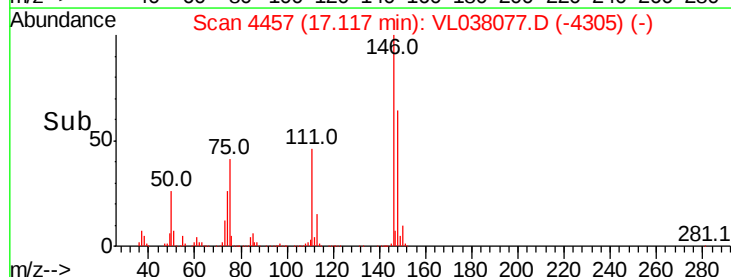
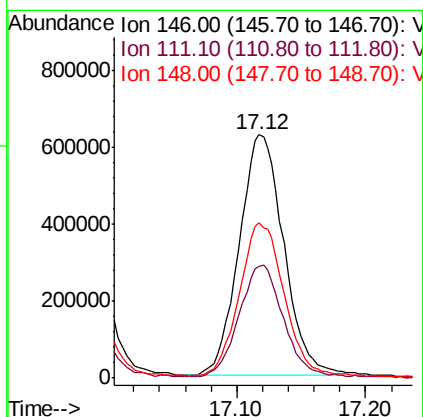
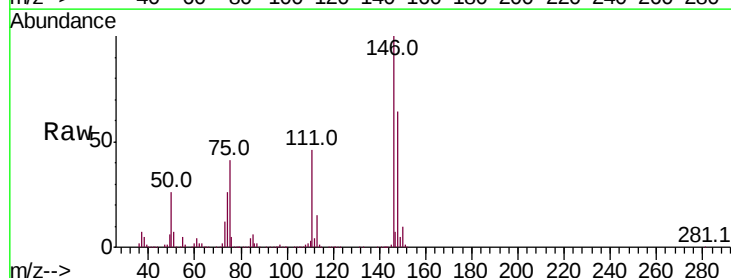
#75
 1,3-Dichlorobenzene
 Concen: 7.940 ppbv
 RT: 16.98 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 19 Nov 2021 7:15

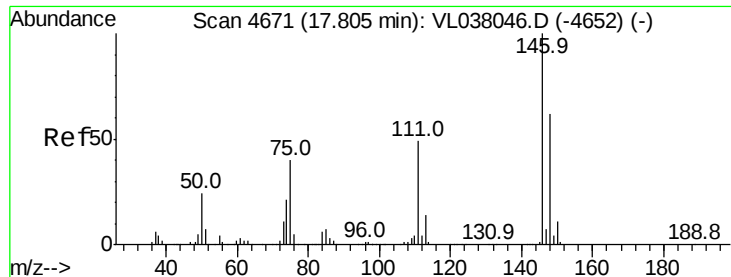
Tot Ion:146 Resp: 1547470
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.5 70.6
 148 64.1 32.1 96.3



#76
 1,4-Dichlorobenzene
 Concen: 7.617 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. -0.01 min
 Lab File: VL038077.D
 Acq: 19 Nov 2021 7:15

Tgt Ion:146 Resp: 1493897
 Ion Ratio Lower Upper
 146 100
 111 48.5 23.8 71.5
 148 67.5 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 7.789 ppbv

RT: 17.80 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 7:15

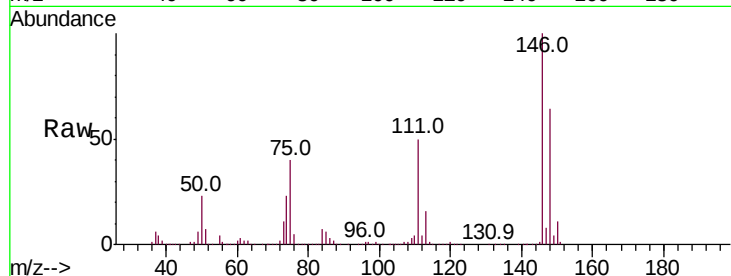
Tot Ion:146 Resp: 1469929

Ion Ratio Lower Upper

146 100

111 49.9 24.8 74.4

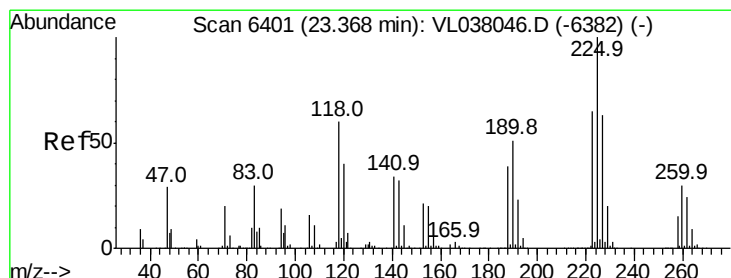
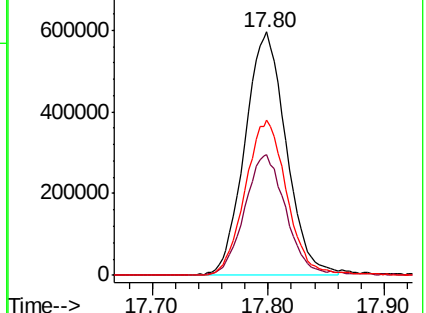
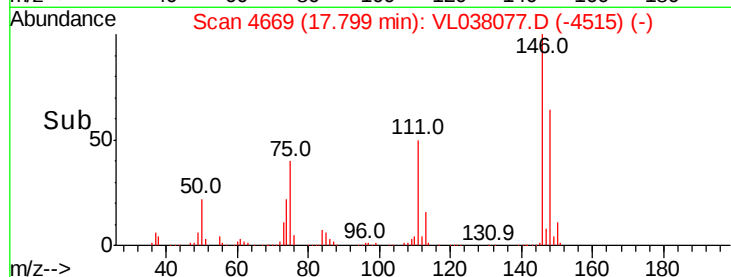
148 65.0 32.3 96.9



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: 6.722 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

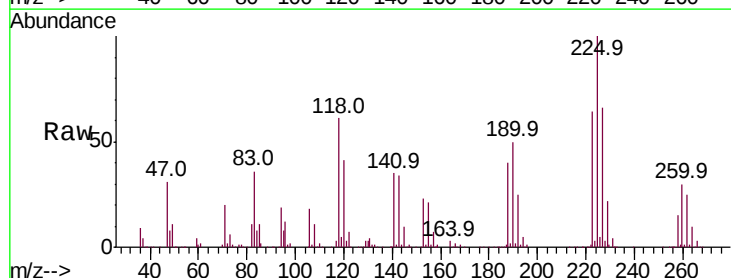
Tgt Ion:225 Resp: 792088

Ion Ratio Lower Upper

225 100

223 63.4 52.3 78.5

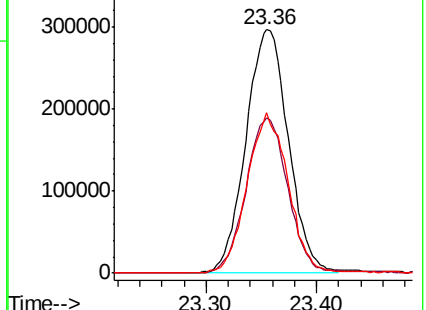
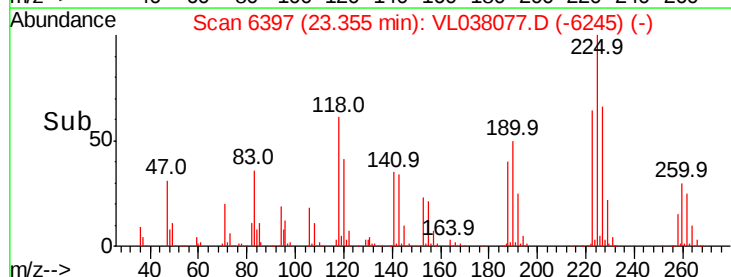
227 64.3 52.4 78.6

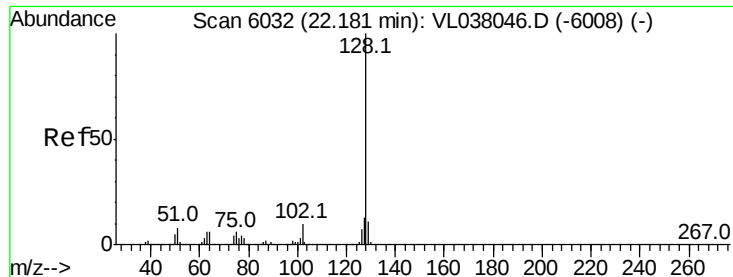


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.239 ppbv

RT: 22.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 7:15

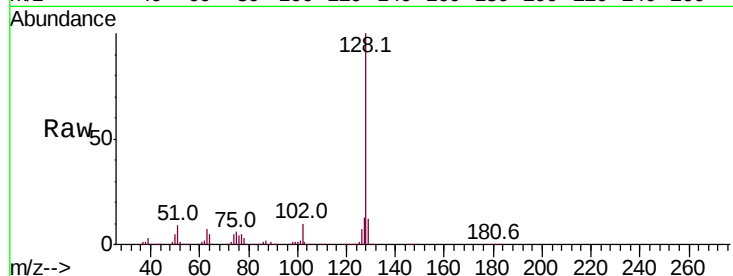
Tot Ion:128 Resp: 1539743

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

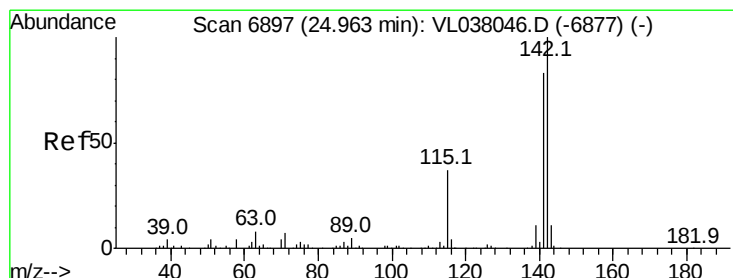
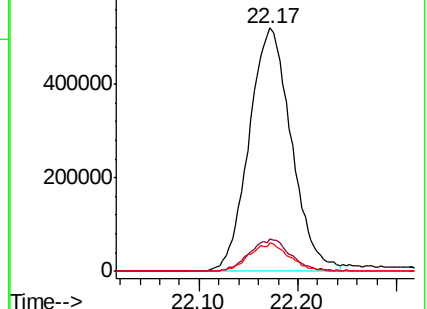
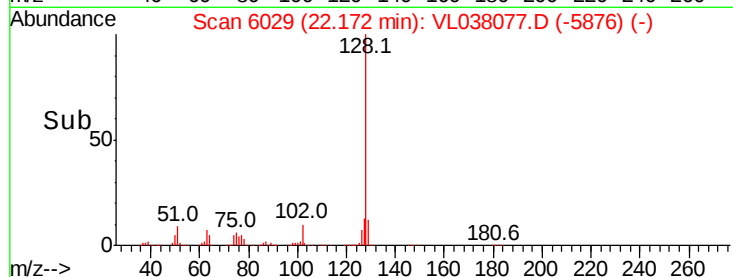
129 11.6 8.9 13.3



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: 9.573 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL038077.D

Acq: 19 Nov 2021 7:15

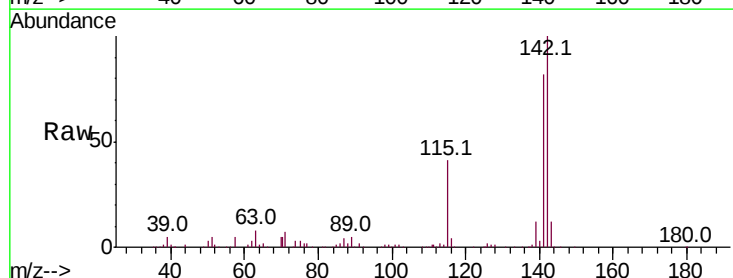
Tgt Ion:142 Resp: 383389

Ion Ratio Lower Upper

142 100

141 81.5 67.3 100.9

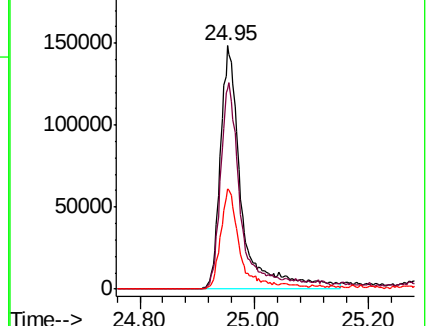
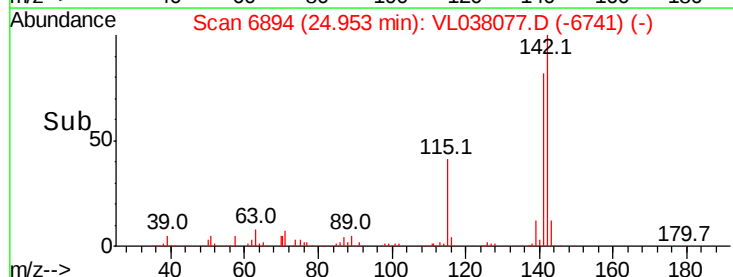
115 40.1 28.9 43.3

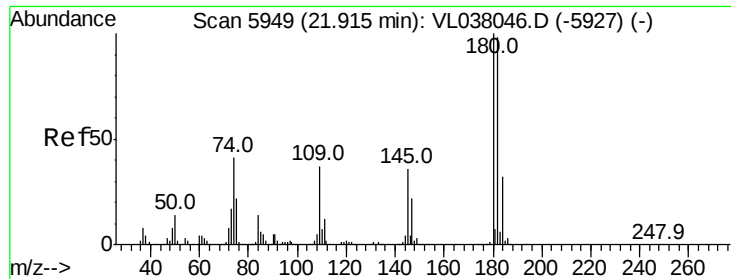


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

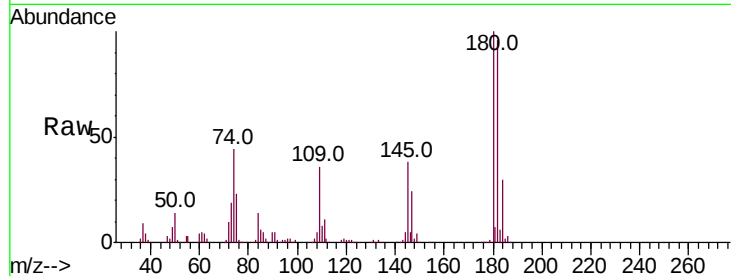
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.817 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 19 Nov 2021 7:15

Tot Ion:	180	Resp:	839412
Ion Ratio	Lower	Upper	
180	100		
182	96.5	77.4	116.2
184	30.9	25.0	37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

