

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038028.D
 Acq On : 16 Nov 2021 4:56
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 16 05:37:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 16 03:19:45 2021
 QLast Update : Tue Nov 16 03:19:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	789013	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3022312	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2693173	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2006656	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	3896	0.033	ppbv	91
3) Chlorodifluoromethane	2.99	51	9234	0.059	ppbv #	90
4) Chloromethane	3.14	50	1130	0.019	ppbv #	42
5) Vinyl Chloride	3.26	62	789	0.014	ppbv #	40
6) Bromomethane	3.48	94	855	0.028	ppbv #	12
7) Chloroethane	3.56	64	871	0.043	ppbv #	70
8) Dichlorotetrafluoroethane	3.19	85	5134	0.038	ppbv #	14
9) Propene	3.02	41	6433	0.113	ppbv #	67
10) Heptane	8.12	43	3189	0.024	ppbv #	27
11) Trichlorofluoromethane	3.95	101	4785	0.041	ppbv #	79
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1917	0.021	ppbv #	1
13) Ethanol	3.62	45	260	0.047	ppbv #	36
14) Bromoethene	3.74	108	597	0.015	ppbv #	1
15) Acetone	3.85	43	189	0.003	ppbv #	47
16) 1,3-Butadiene	3.33	39	1265	0.023	ppbv #	1
17) tert-Butyl alcohol	4.31	59	49	0.001	ppbv #	1
18) 1,1-Dichloroethene	4.29	96	1282	0.030	ppbv #	14
19) Isopropyl Alcohol	3.97	45	247	0.005	ppbv #	1
20) Methylene Chloride	4.34	84	6314	0.166	ppbv #	77
21) Allyl Chloride	4.42	41	2711	0.041	ppbv #	1
22) trans-1,2-Dichloroethene	4.88	96	1414	0.033	ppbv #	59
23) Vinyl Acetate	5.07	43	663	0.006	ppbv #	1
24) 1,1-Dichloroethane	5.01	63	3600	0.041	ppbv #	88
25) Ethyl Acetate	5.65	43	670	0.003	ppbv #	1
26) Hexane	5.69	57	2589	0.028	ppbv #	1
27) Carbon Disulfide	4.55	76	2510	0.025	ppbv #	38
28) Methyl tert-Butyl Ether	5.08	73	4920	0.056	ppbv #	11
29) Chloroform	5.74	83	3484	0.024	ppbv	95
30) Cyclohexane	7.12	84	3187	0.037	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	556	0.007	ppbv #	42
32) 1,1,1-Trichloroethane	6.51	97	2918	0.020	ppbv #	3
34) 2-Butanone	5.24	43	292	0.003	ppbv #	53
35) Carbon Tetrachloride	7.01	117	6521	0.035	ppbv	89
36) Benzene	6.88	78	8271	0.033	ppbv	94
37) 1,2-Dichloroethane	6.30	62	896	0.008	ppbv #	79
38) Trichloroethene	7.83	130	2954	0.029	ppbv #	45
39) 1,2-Dichloropropane	7.17	63	717301	7.545	ppbv #	27
40) 1,4-Dioxane	7.85	88	138	0.006	ppbv #	100
41) Tetrahydrofuran	6.05	42	265	0.005	ppbv #	46
42) Bromodichloromethane	7.78	83	2720	0.015	ppbv	97
43) Methyl Methacrylate	8.01	69	790	0.010	ppbv #	1

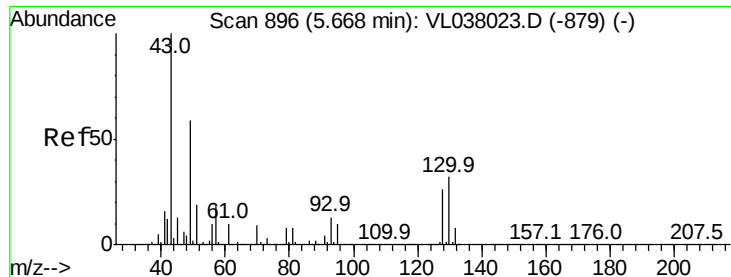
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038028.D
 Acq On : 16 Nov 2021 4:56
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Quant Time: Nov 16 05:37:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 16 03:19:45 2021
 QLast Update : Tue Nov 16 03:19:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	9017	0.021	ppbv #	20
45) t-1,3-Dichloropropene	9.26	75	581	0.009	ppbv	91
46) cis-1,3-Dichloropropene	8.70	75	2300	0.027	ppbv #	70
47) 1,1,2-Trichloroethane	9.46	97	539	0.005	ppbv #	45
48) Dibromochloromethane	10.30	129	3257	0.022	ppbv #	10
49) Bromoform	13.02	173	906	0.008	ppbv #	25
50) 4-Methyl-2-Pentanone	8.73	43	246	0.002	ppbv #	38
51) 2-Hexanone	10.13	43	73	0.001	ppbv #	27
52) Tetrachloroethene	11.21	164	1503	0.016	ppbv #	52
53) Toluene	9.80	91	13772	0.051	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1064	0.008	ppbv #	49
56) 1,1,1,2-Tetrachloroethane	12.12	131	650	0.006	ppbv #	1
57) Chlorobenzene	12.14	112	3415	0.016	ppbv	89
58) Ethyl Benzene	12.70	91	16570	0.050	ppbv	99
59) m/p-Xylene	12.99	91	8784	0.030	ppbv #	29
60) o-Xylene	13.68	91	6762	0.025	ppbv #	1
61) Styrene	13.53	104	3010	0.023	ppbv #	1
62) Isopropylbenzene	14.66	105	8497	0.022	ppbv #	30
63) 1,1,2,2-Tetrachloroethane	13.65	83	1450	0.006	ppbv #	24
64) n-propylbenzene	15.88	120	165	0.002	ppbv	66
65) tert-Butylbenzene	16.73	119	3605	0.011	ppbv #	1
66) Benzyl Chloride	16.98	91	514	0.028	ppbv #	1
67) sec-Butylbenzene	17.28	105	6040	0.013	ppbv #	1
69) p-Isopropyltoluene	17.64	119	13294	0.035	ppbv #	53
70) n-Butylbenzene	18.54	91	11890	0.034	ppbv #	74
71) 2-Chlorotoluene	15.44	91	9432	0.035	ppbv	66
72) 4-Ethyltoluene	15.83	105	9006	0.028	ppbv #	60
73) 1,3,5-Trimethylbenzene	15.99	105	3740	0.013	ppbv #	54
74) 1,2,4-Trimethylbenzene	16.75	105	3501	0.011	ppbv #	65
75) 1,3-Dichlorobenzene	16.99	146	1952	0.010	ppbv #	23
76) 1,4-Dichlorobenzene	17.13	146	3159	0.017	ppbv #	1
77) 1,2-Dichlorobenzene	17.80	146	994	0.006	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.36	225	1928	0.013	ppbv #	1
79) Naphthalene	22.17	128	191	0.001	ppbv #	32
80) Naphthalene, 2-methyl-	25.00	142	34	0.001	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.91	180	361	0.003	ppbv #	7

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 4:56

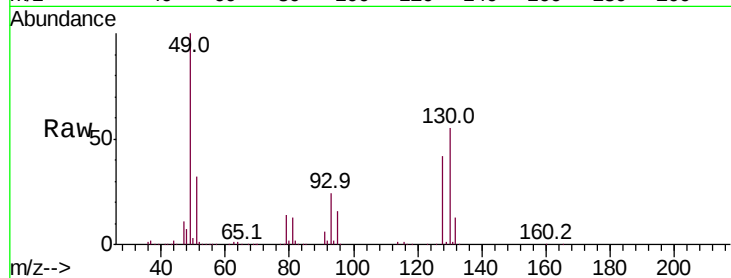
Tot Ion: 49 Resp: 789013

Ion Ratio Lower Upper

49 100

128 47.6 23.4 70.2

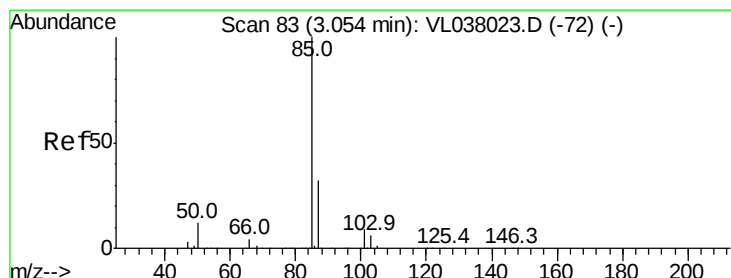
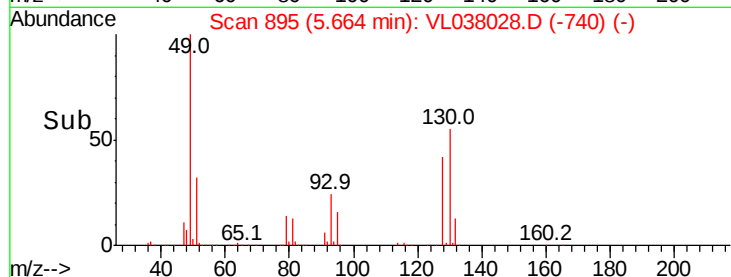
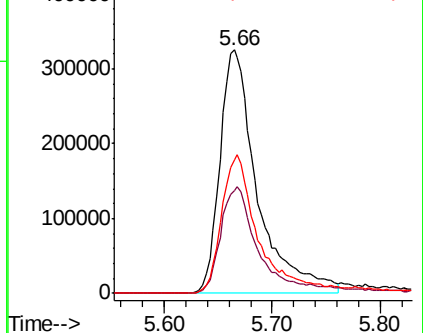
130 60.6 29.1 87.3



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: 0.033 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038028.D

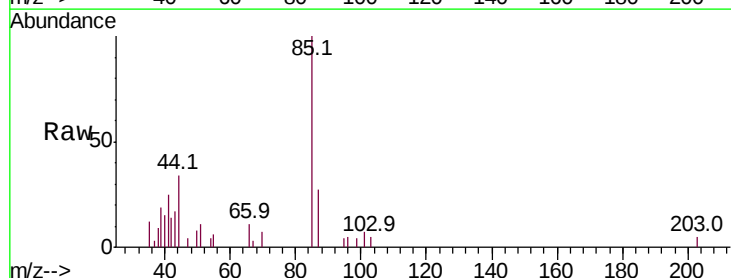
Acq: 16 Nov 2021 4:56

Tgt Ion: 85 Resp: 3896

Ion Ratio Lower Upper

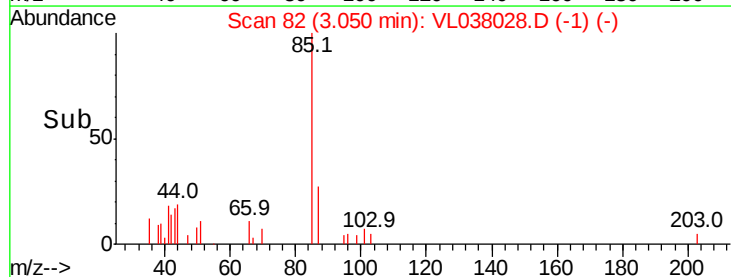
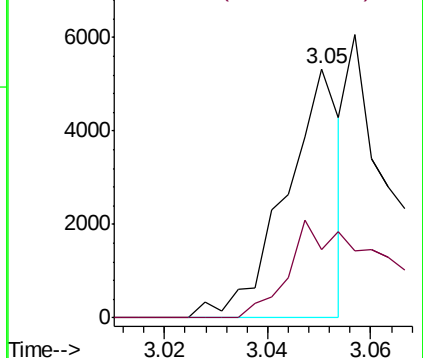
85 100

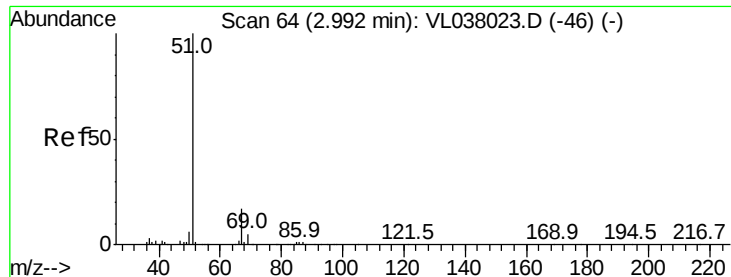
87 27.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

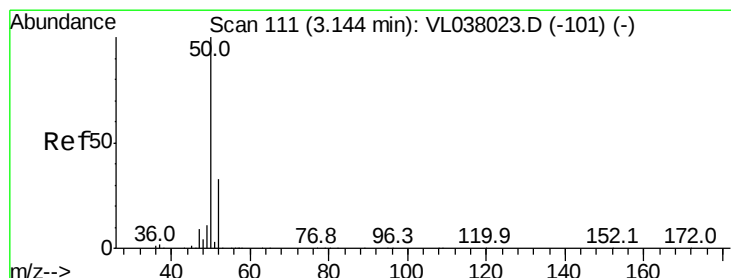
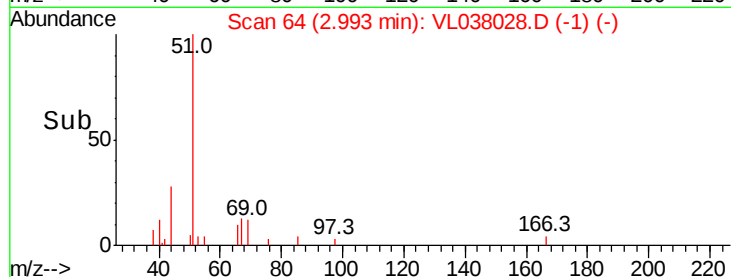
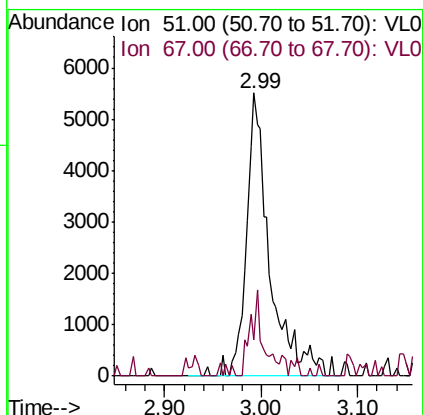
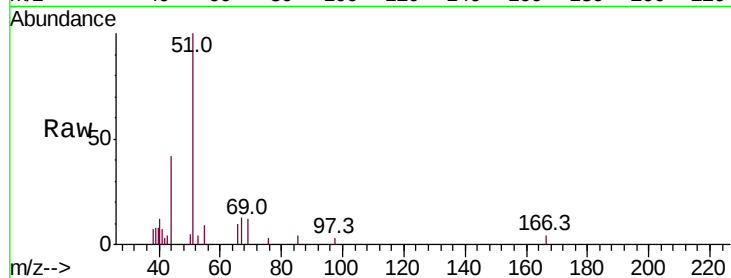
Ion 87.00 (86.70 to 87.70): VL0





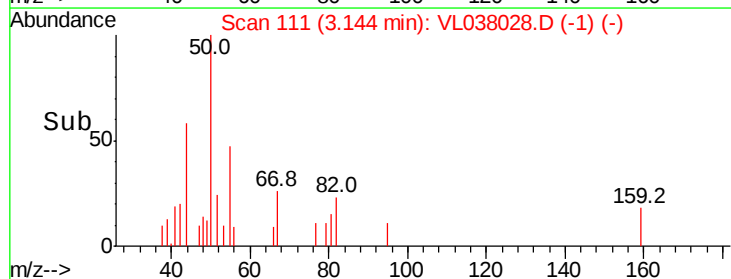
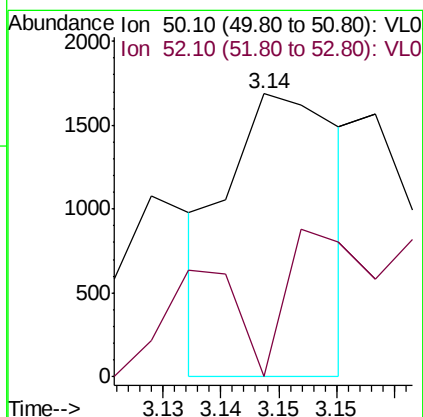
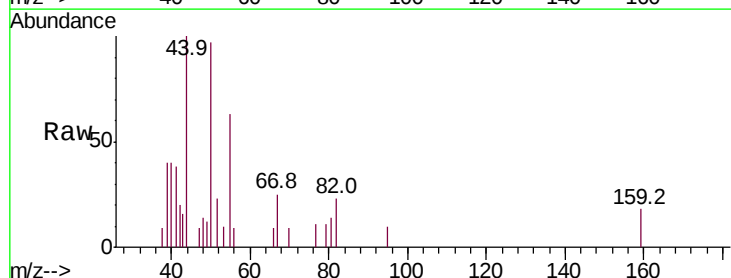
#3
 Chlorodifluoromethane
 Concen: 0.059 ppbv
 RT: 2.99 min
 Delta R.T. MSVOA.L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 4:58

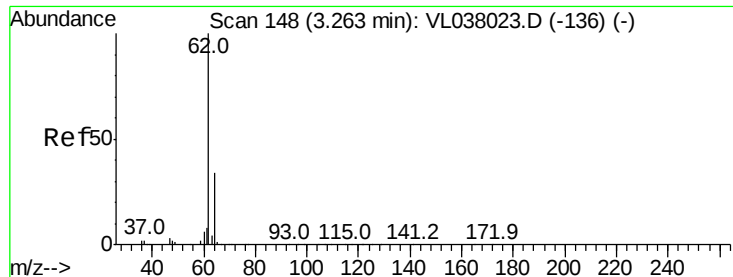
Tot Ion: 51 Resp: 9234
 Ion Ratio Lower Upper
 51 100
 67 21.3 13.5 20.3#



#4
 Chloromethane
 Concen: 0.019 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VL038028.D
 Acq: 16 Nov 2021 4:56

Tgt Ion: 50 Resp: 1130
 Ion Ratio Lower Upper
 50 100
 52 0.0 26.4 39.6#





#5

Vinyl Chloride

Concen: 0.014 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

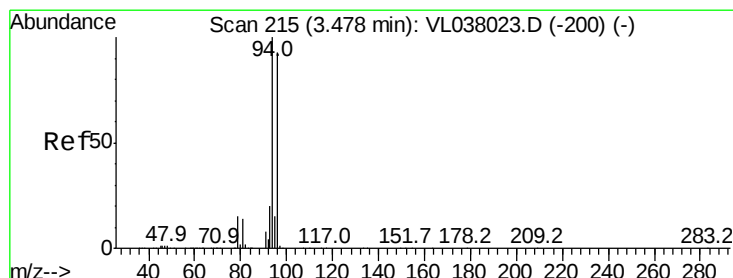
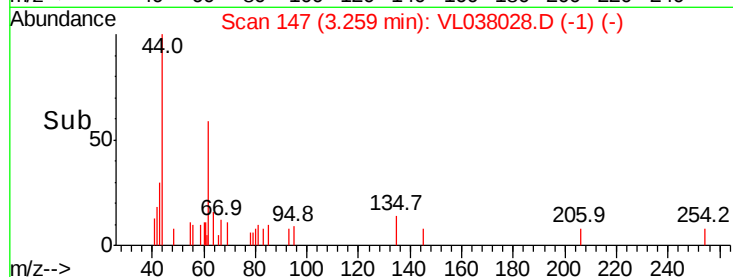
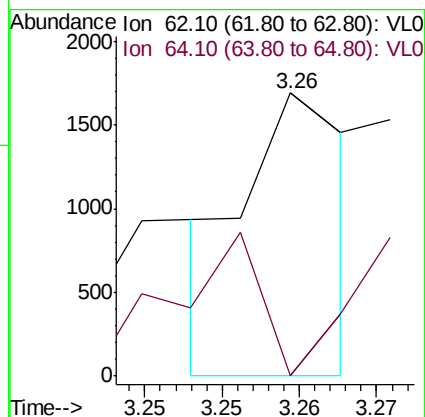
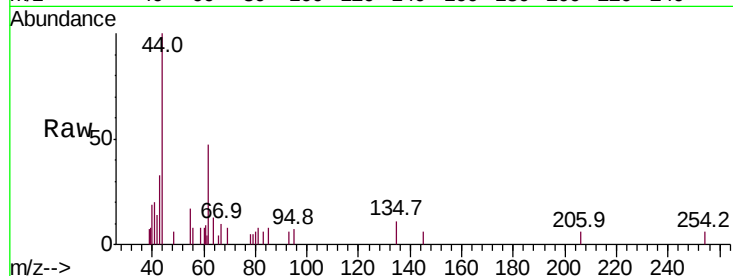
Acq: 16 Nov 2021 4:56

Tot Ion: 62 Resp: 789

Ion Ratio Lower Upper

62 100

64 0.0 27.4 41.0#



#6

Bromomethane

Concen: 0.028 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL038028.D

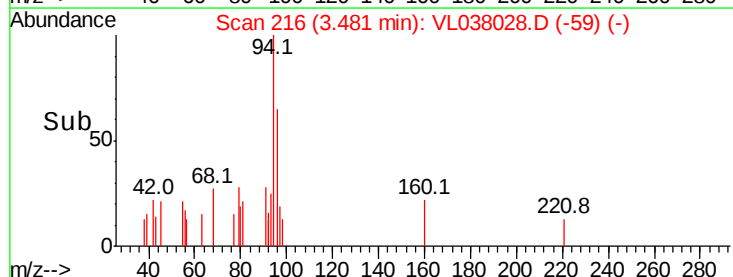
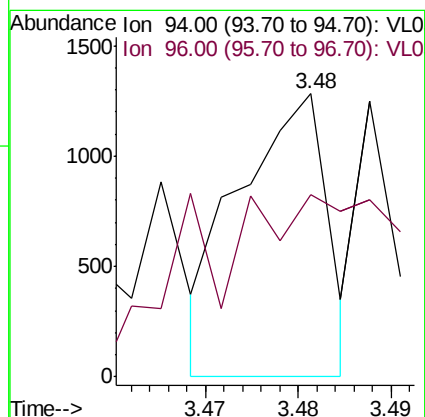
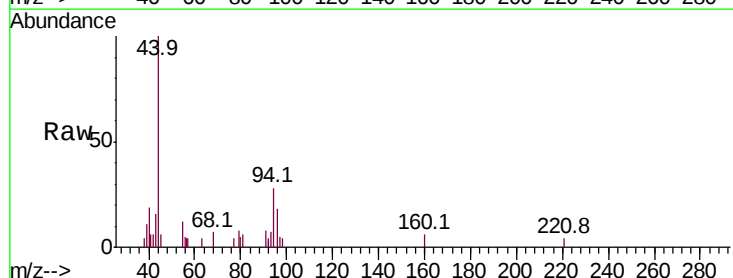
Acq: 16 Nov 2021 4:56

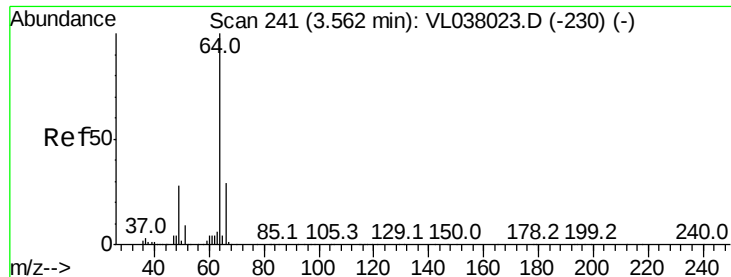
Tgt Ion: 94 Resp: 855

Ion Ratio Lower Upper

94 100

96 8.5 74.8 112.2#





#7

Chloroethane

Concen: 0.043 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

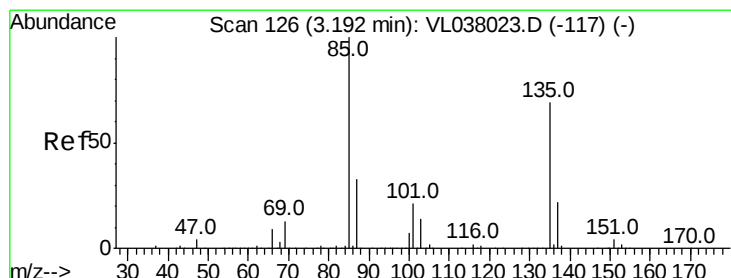
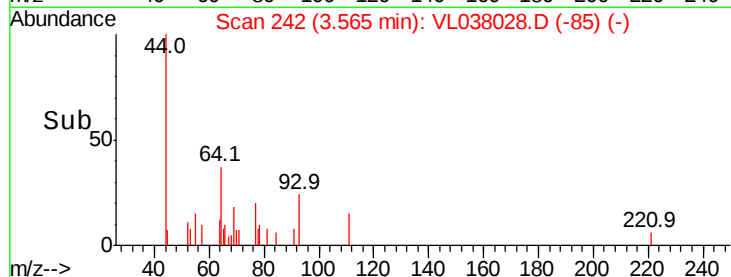
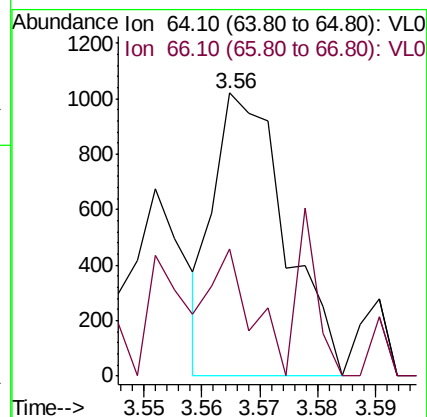
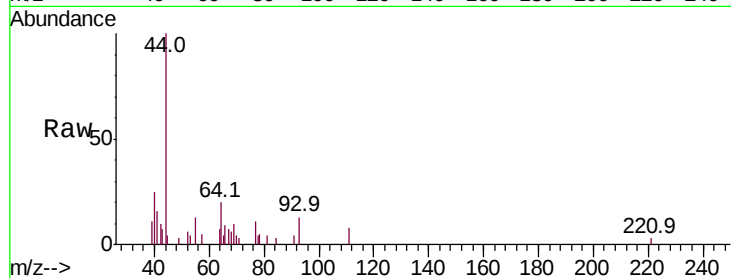
Acq: 16 Nov 2021 4:56

Tot Ion: 64 Resp: 871

Ion Ratio Lower Upper

64 100

66 45.0 23.1 34.7#



#8

Dichlorotetrafluoroethane

Concen: 0.038 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038028.D

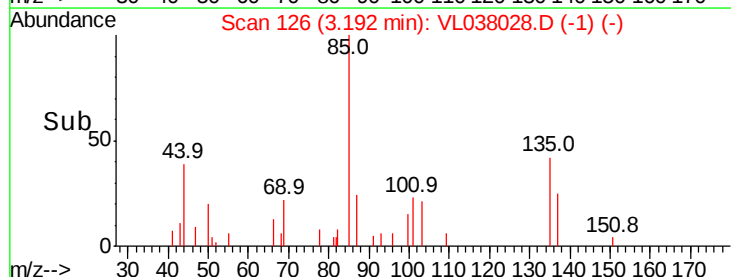
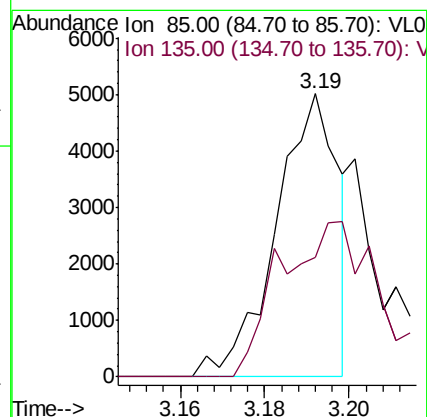
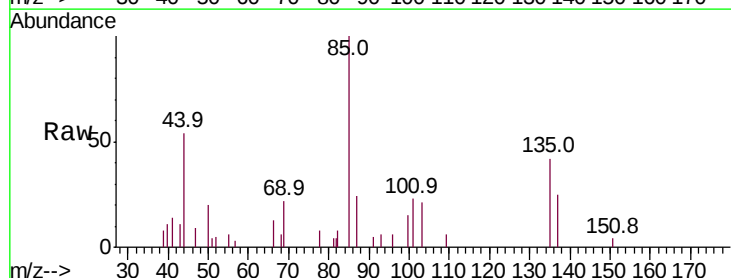
Acq: 16 Nov 2021 4:56

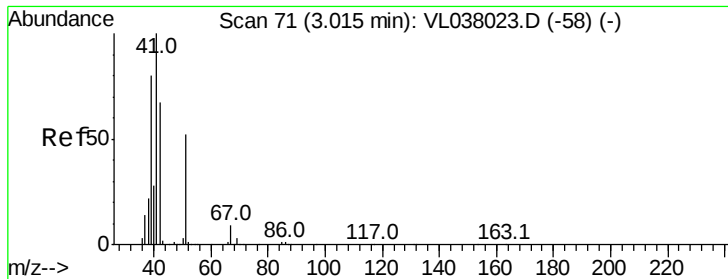
Tgt Ion: 85 Resp: 5134

Ion Ratio Lower Upper

85 100

135 0.0 57.0 85.6#





#9

Propene

Concen: 0.113 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

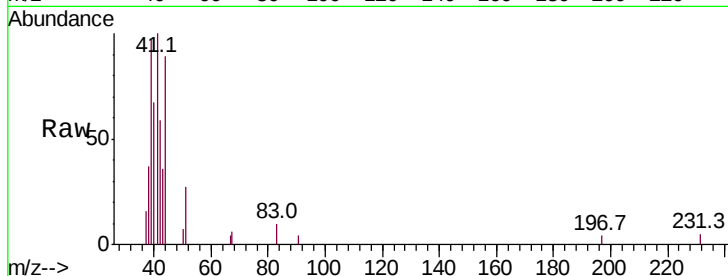
Acq: 16 Nov 2021 4:58

Tot Ion: 41 Resp: 6433

Ion Ratio Lower Upper

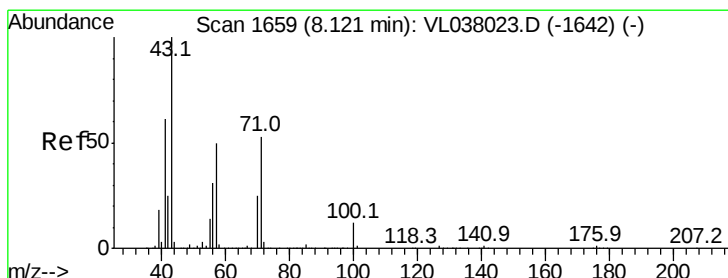
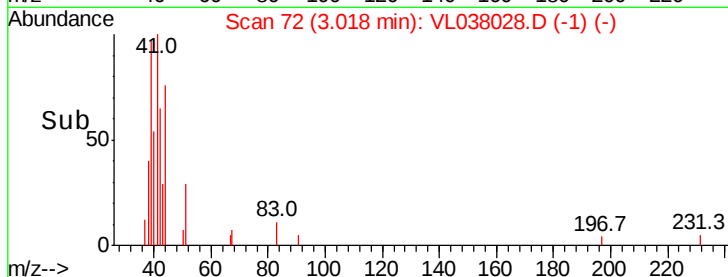
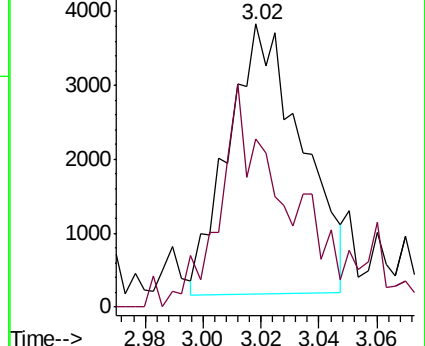
41 100

42 95.9 55.4 83.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.024 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VL038028.D

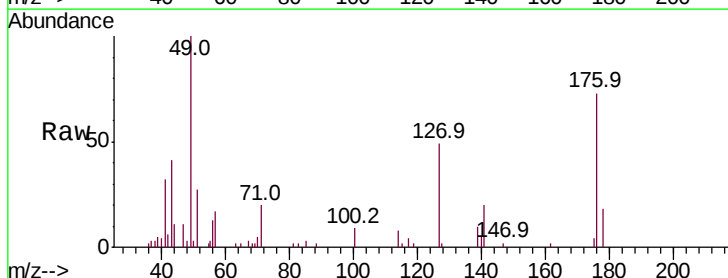
Acq: 16 Nov 2021 4:56

Tgt Ion: 43 Resp: 3189

Ion Ratio Lower Upper

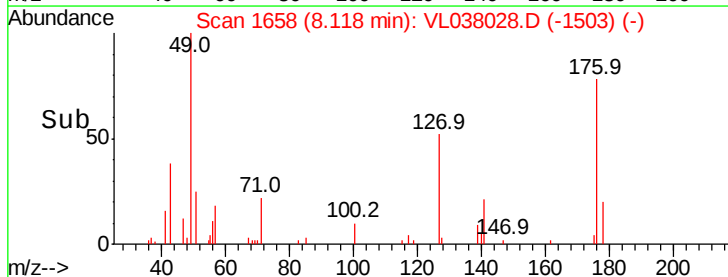
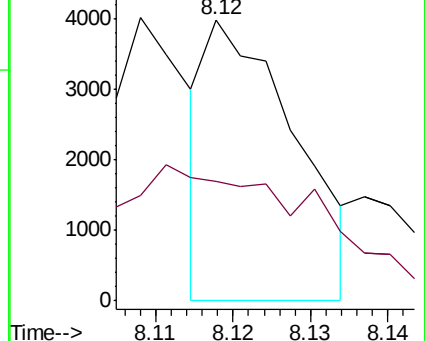
43 100

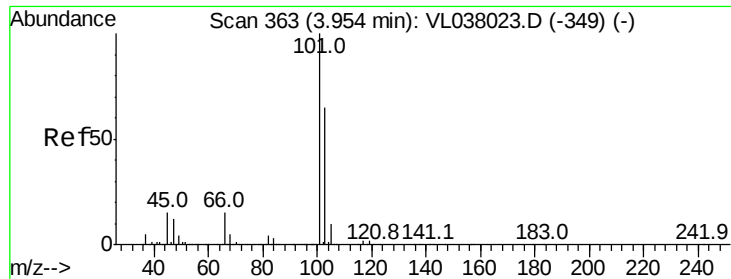
57 0.0 39.9 59.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

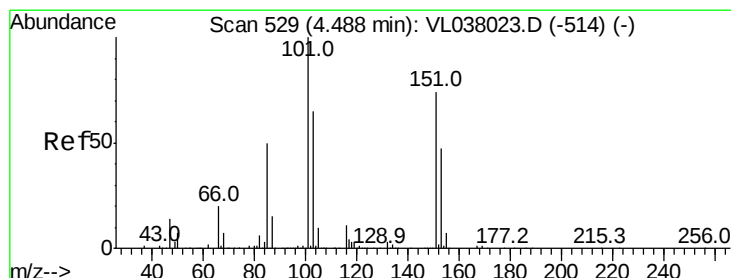
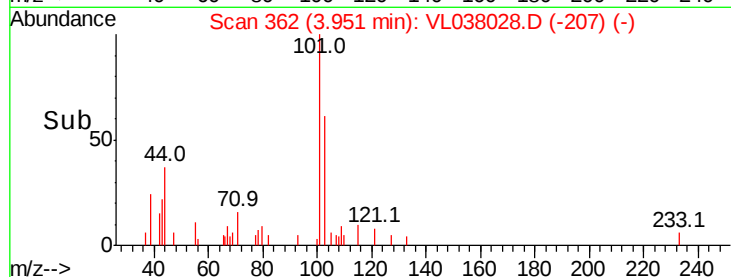
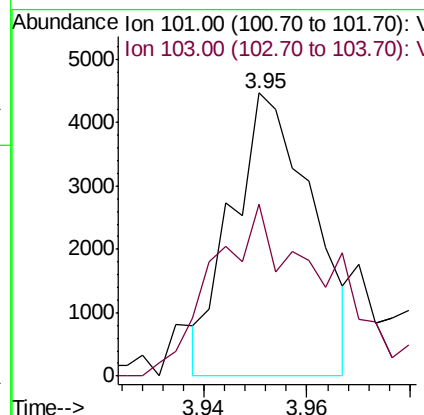
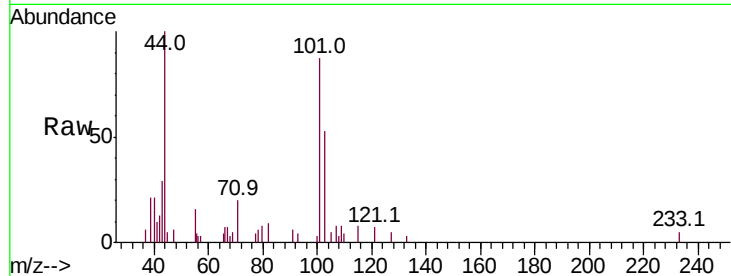
Ion 57.10 (56.80 to 57.80): VL0





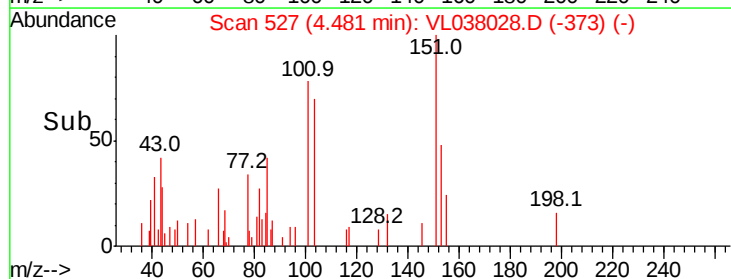
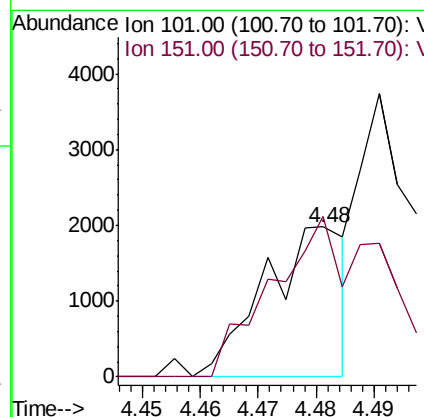
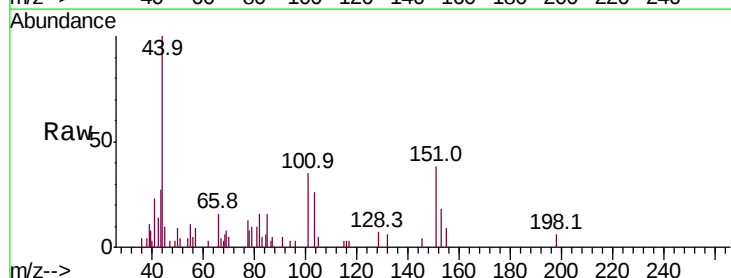
#11
 Trichlorofluoromethane
 Concen: 0.041 ppbv
 RT: 3.95 Instrument :
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 4:50

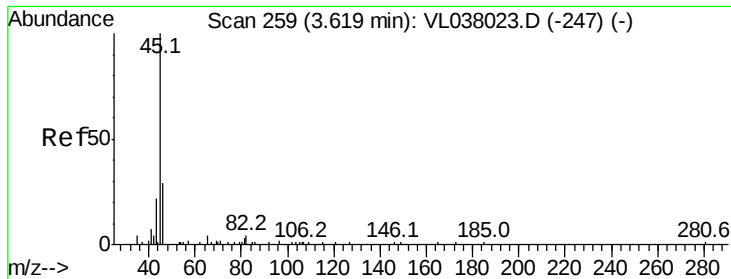
Tot Ion:101 Resp: 4785
 Ion Ratio Lower Upper
 101 100
 103 49.2 52.3 78.5#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.021 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL038028.D
 Acq: 16 Nov 2021 4:56

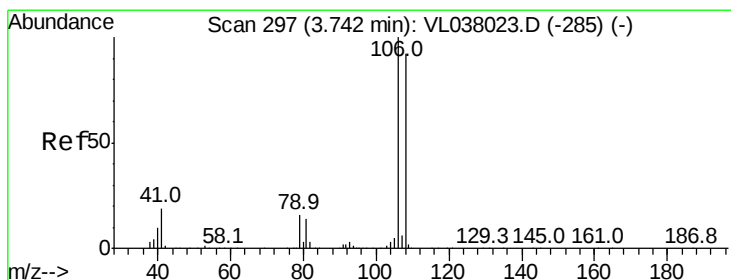
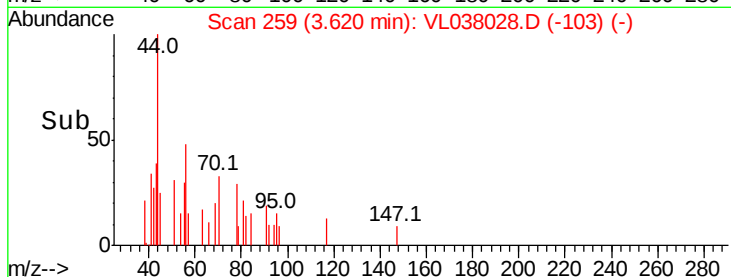
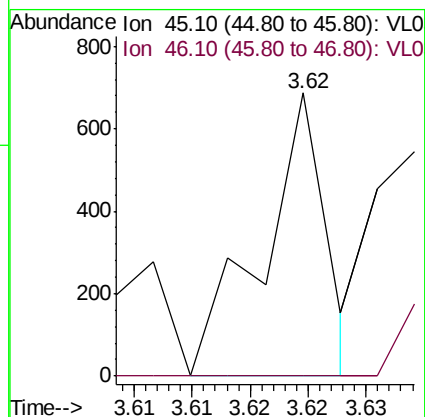
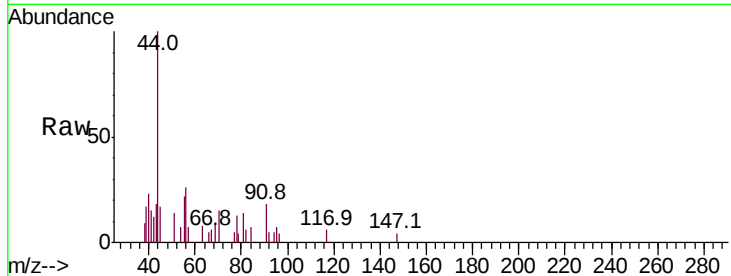
Tgt Ion:101 Resp: 1917
 Ion Ratio Lower Upper
 101 100
 151 191.2 57.9 86.9#





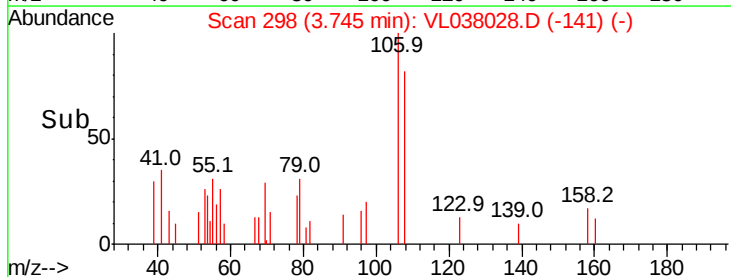
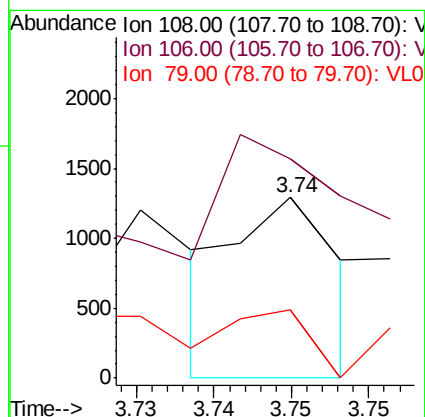
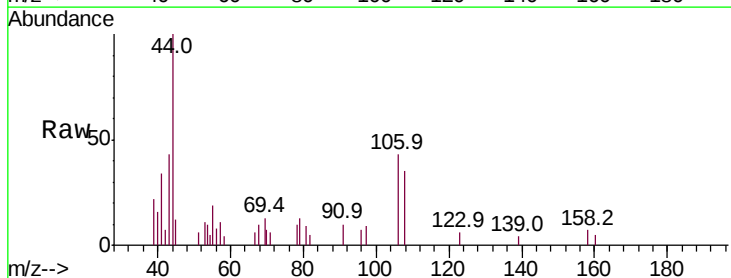
#13
 Ethanol
 Concen: 0.047 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 4:56

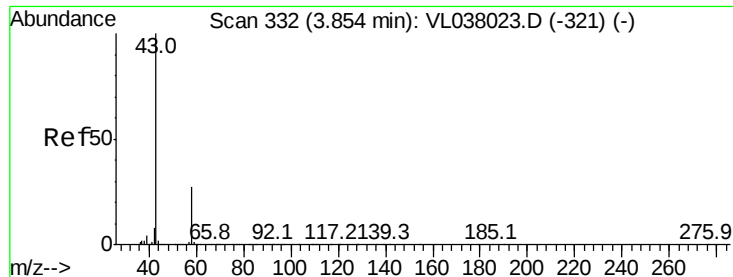
Tot Ion: 45 Resp: 260
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.5 61.9#



#14
 Bromoethene
 Concen: 0.015 ppbv
 RT: 3.74 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VL038028.D
 Acq: 16 Nov 2021 4:56

Tgt Ion: 108 Resp: 597
 Ion Ratio Lower Upper
 108 100
 106 446.6 90.4 135.6#
 79 0.0 14.1 21.1#





#15

Acetone

Concen: 0.003 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

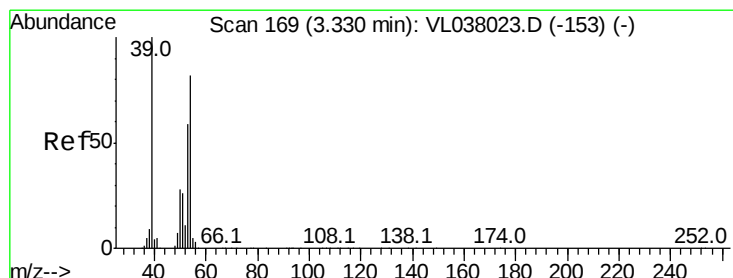
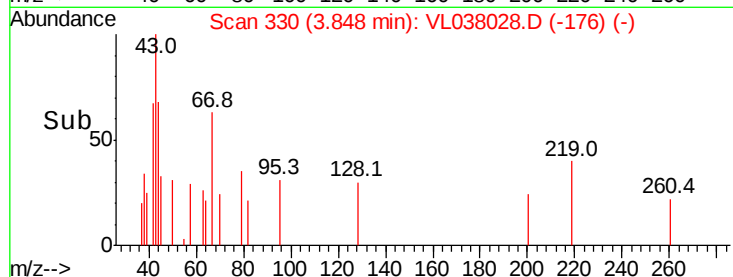
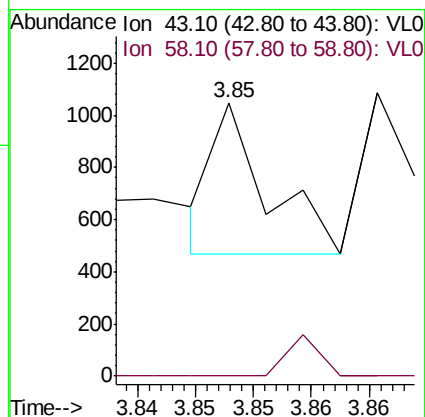
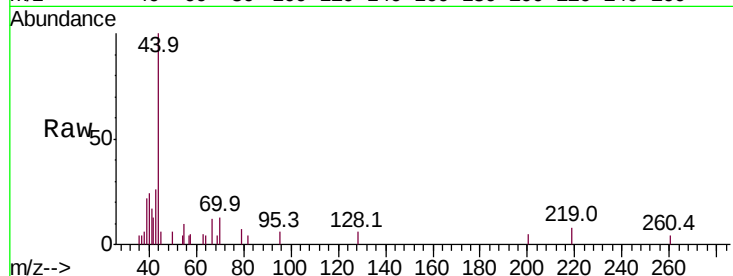
Acq: 16 Nov 2021 4:56

Tot Ion: 43 Resp: 189

Ion Ratio Lower Upper

43 100

58 0.0 22.6 33.8#



#16

1,3-Butadiene

Concen: 0.023 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL038028.D

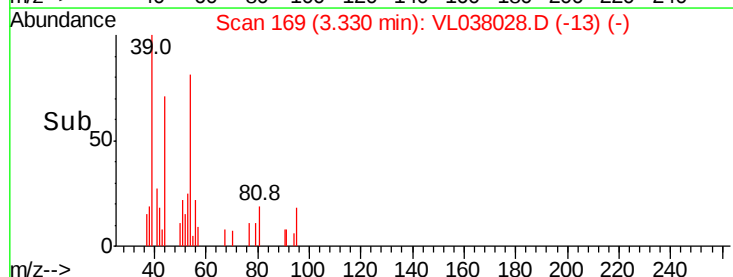
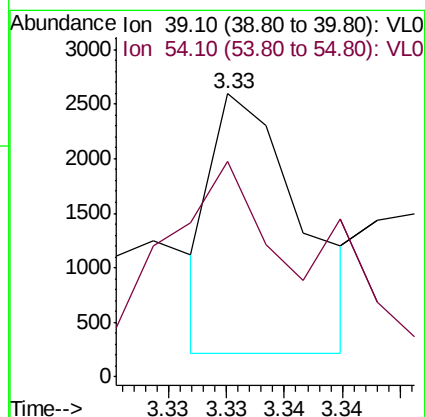
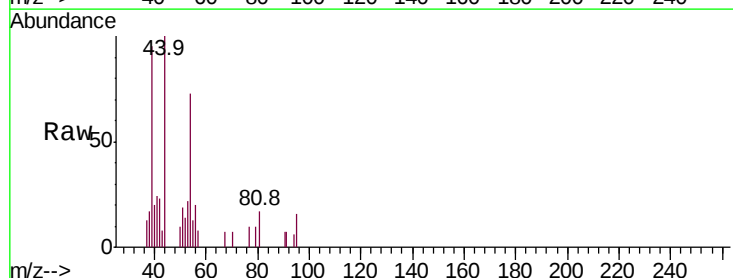
Acq: 16 Nov 2021 4:56

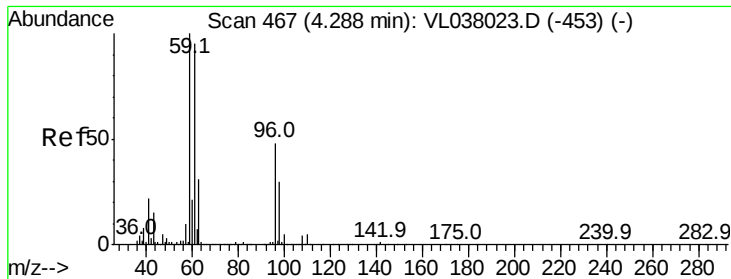
Tgt Ion: 39 Resp: 1265

Ion Ratio Lower Upper

39 100

54 216.0 63.8 95.8#





#17

tert-Butyl alcohol

Concen: 0.001 ppbv

RT: 4.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

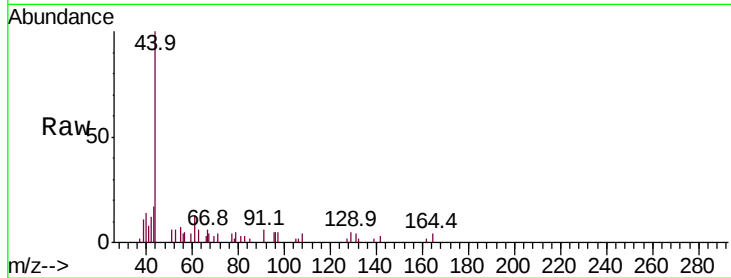
Acq: 16 Nov 2021 4:56

Tot Ion: 59 Resp: 49

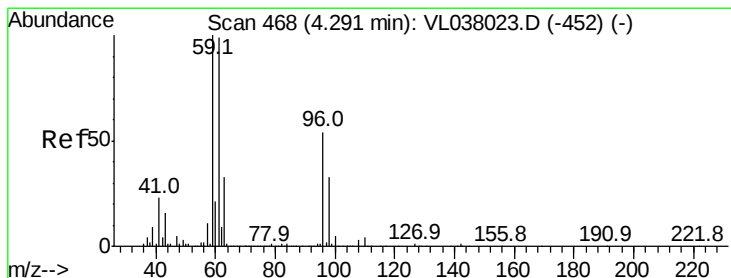
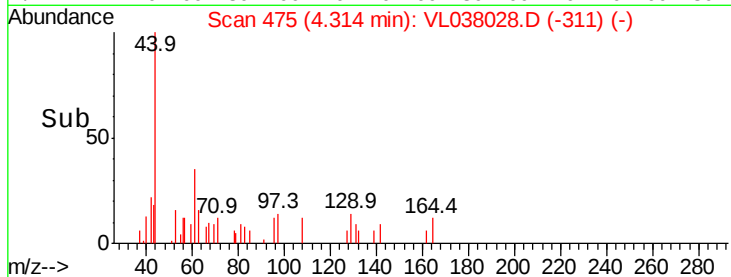
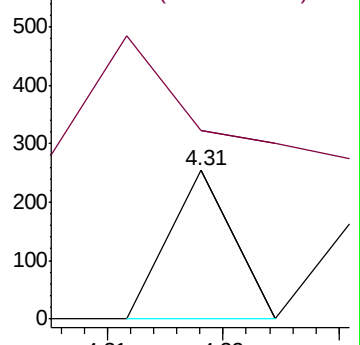
Ion Ratio Lower Upper

59 100

57 1024.5 8.7 13.1#



Abundance Ion 59.10 (58.80 to 59.80): VL0



#18

1,1-Dichloroethene

Concen: 0.030 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

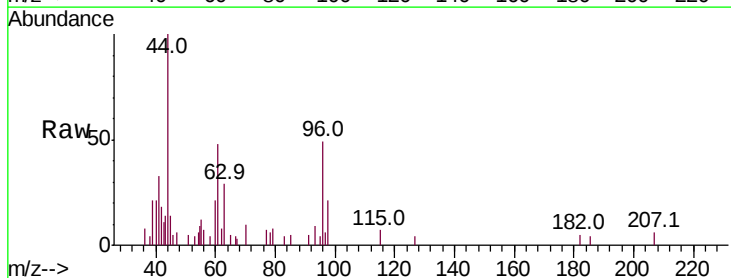
Tgt Ion: 96 Resp: 1282

Ion Ratio Lower Upper

96 100

61 34.4 145.2 217.8#

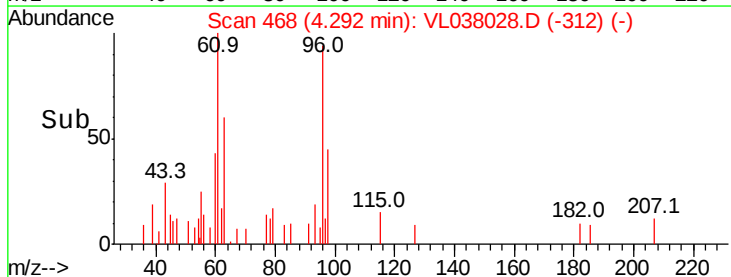
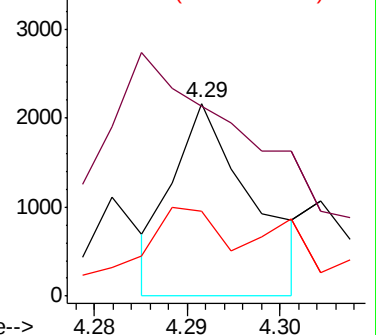
98 33.7 48.8 73.2#

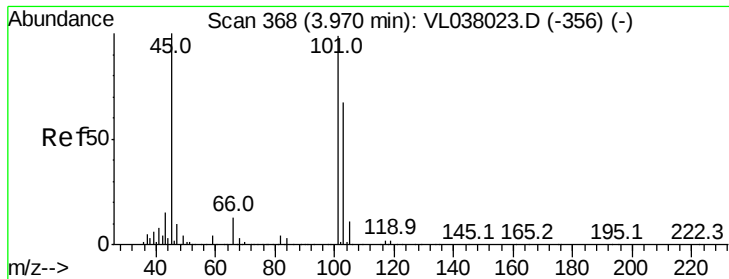


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

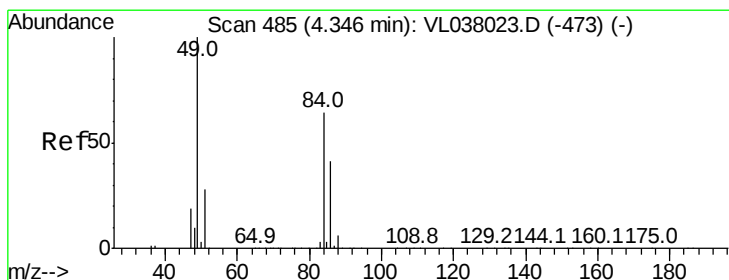
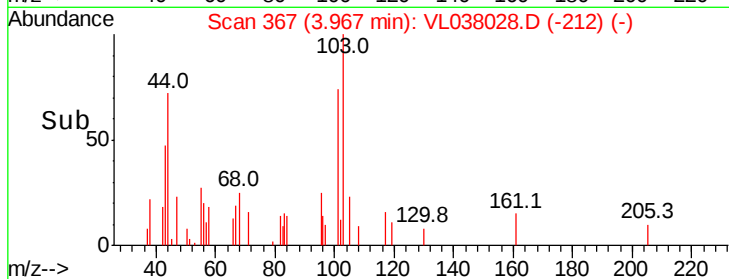
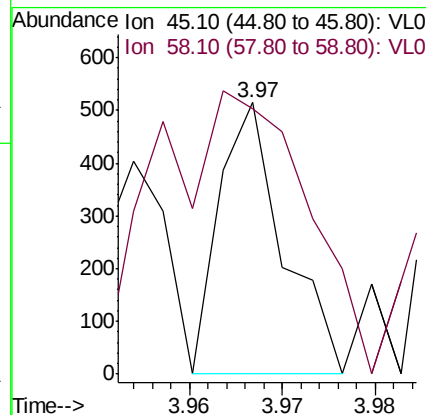
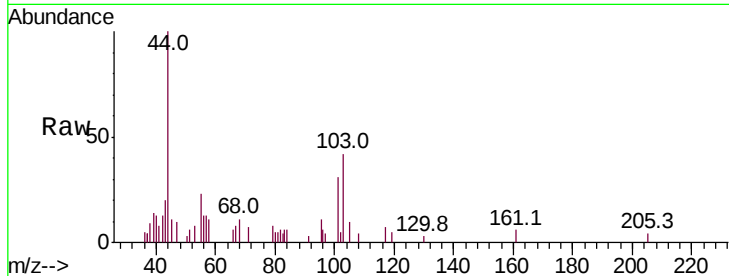
Ion 98.00 (97.70 to 98.70): VL0





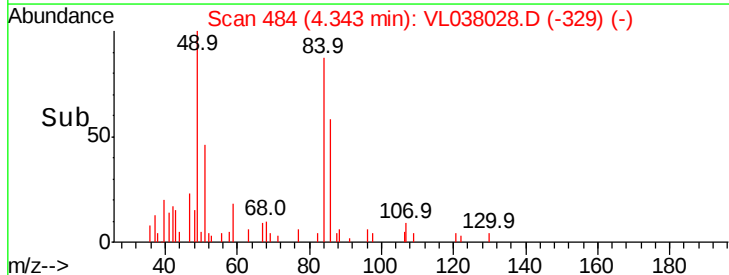
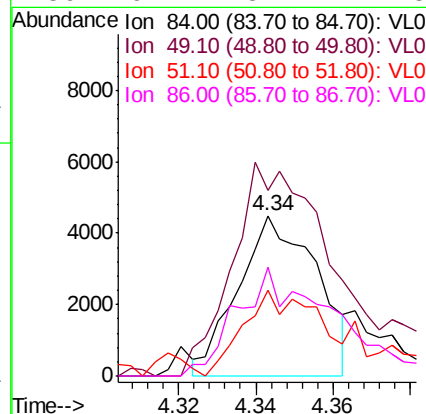
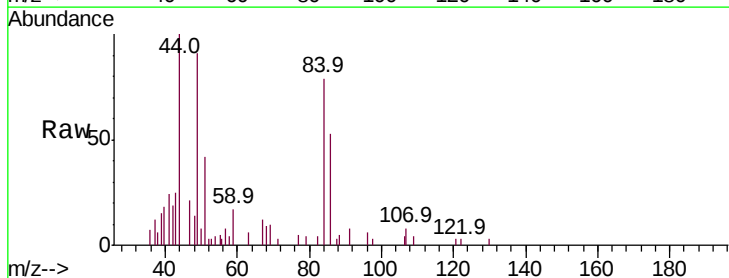
#19
Isopropyl Alcohol
Concen: 0.005 ppbv
RT: 3.97
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 4:56

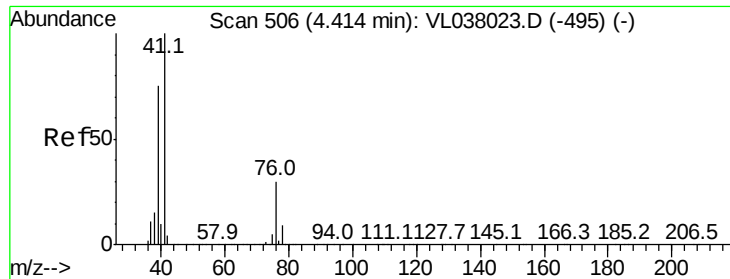
Tot Ion: 45 Resp: 247
Ion Ratio Lower Upper
45 100
58 283.4 29.4 44.0#



#20
Methylene Chloride
Concen: 0.166 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL038028.D
Acq: 16 Nov 2021 4:56

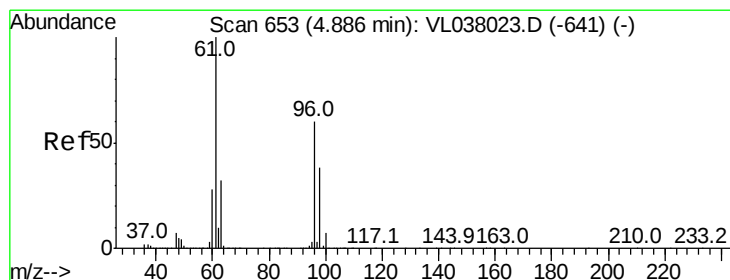
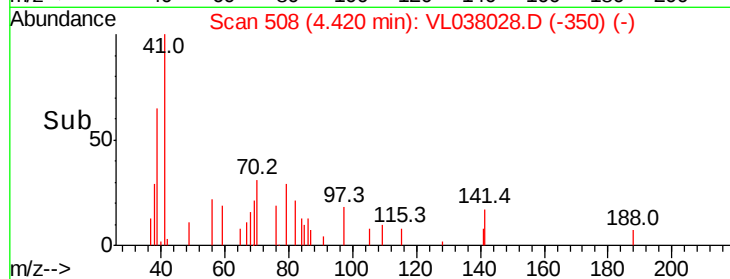
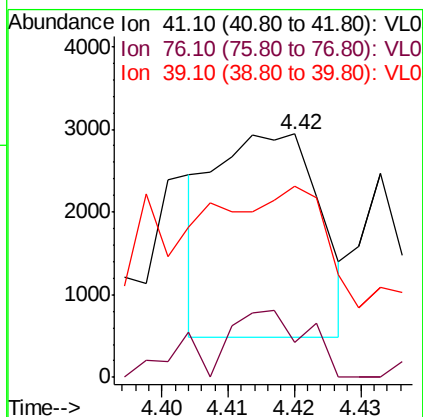
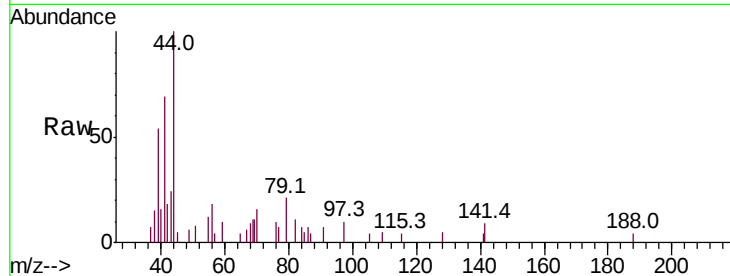
Tgt Ion: 84 Resp: 6314
Ion Ratio Lower Upper
84 100
49 109.5 125.1 187.7#
51 47.6 35.3 52.9
86 67.7 51.7 77.5





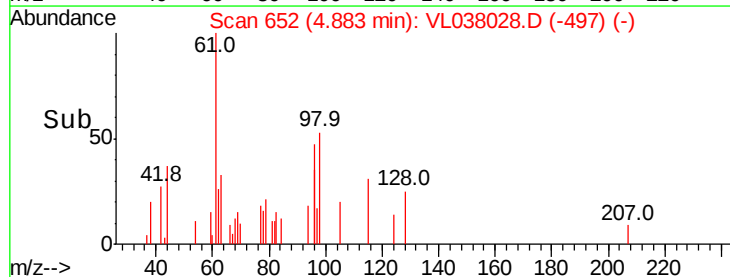
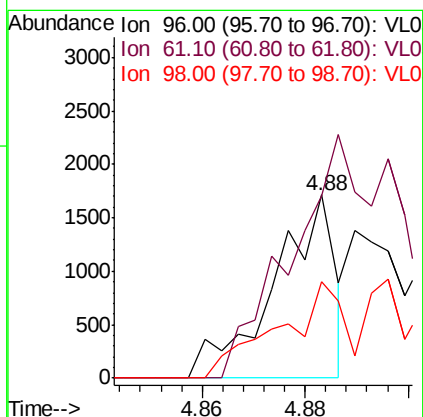
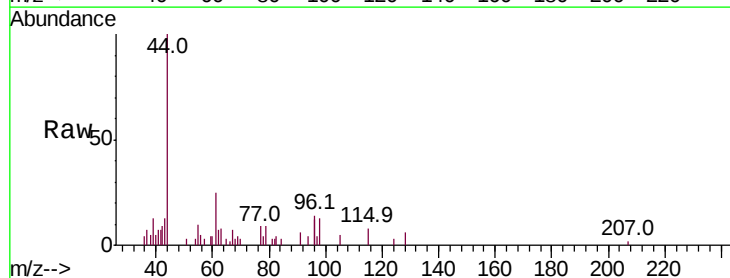
#21
Allvl Chloride
Concen: 0.041 ppbv
RT: 4.42
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 4:58

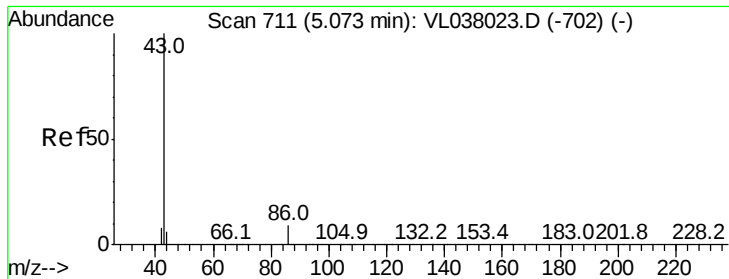
Tot Ion: 41 Resp: 2711
Ion Ratio Lower Upper
41 100
76 49.2 24.6 37.0#
39 205.9 60.6 90.8#



#22
trans-1,2-Dichloroethene
Concen: 0.033 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL038028.D
Acq: 16 Nov 2021 4:56

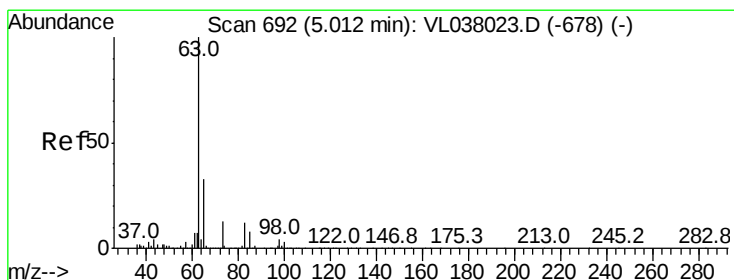
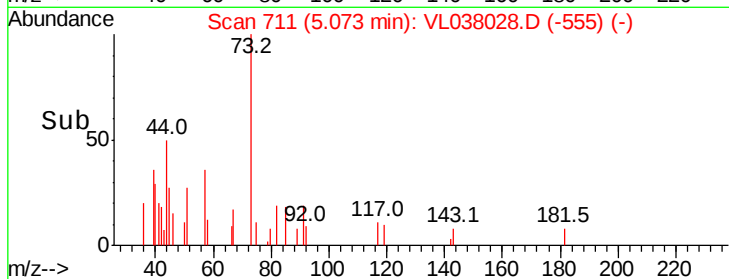
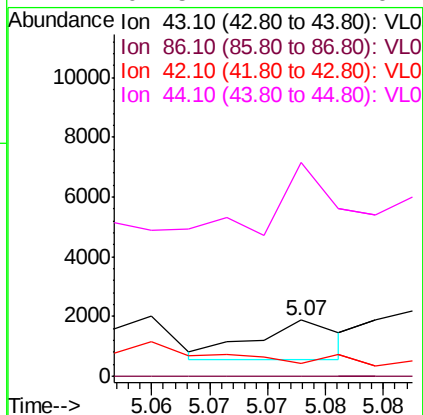
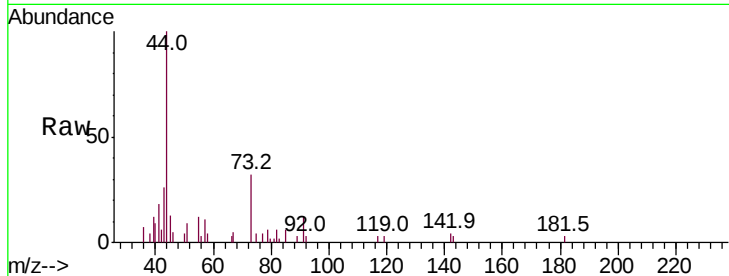
Tgt Ion: 96 Resp: 1414
Ion Ratio Lower Upper
96 100
61 99.3 134.2 201.4#
98 52.6 51.3 76.9





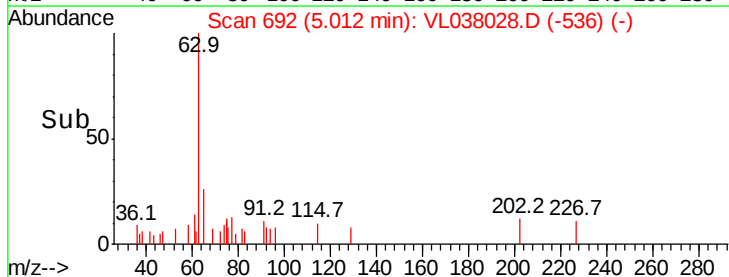
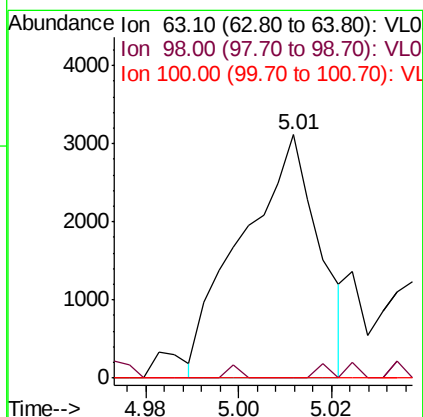
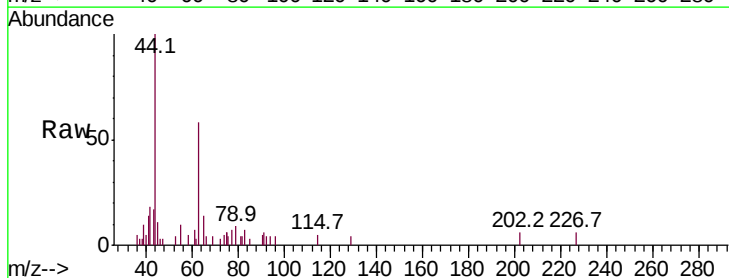
#23
 Vinyl Acetate
 Concen: 0.006 ppbv
 RT: 5.07 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 4:56

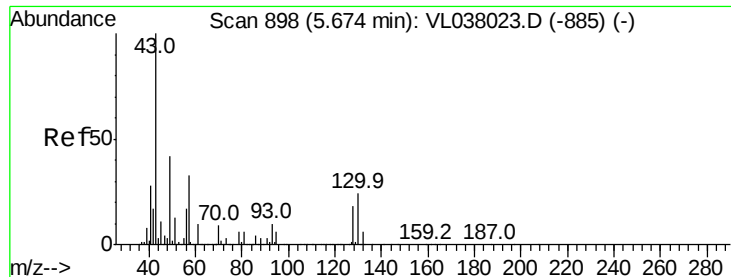
Tot Ion:	43	Resp:	663
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#
42	0.0	7.4	11.2#
44	207.5	4.1	6.1#



#24
 1,1-Dichloroethane
 Concen: 0.041 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL038028.D
 Acq: 16 Nov 2021 4:56

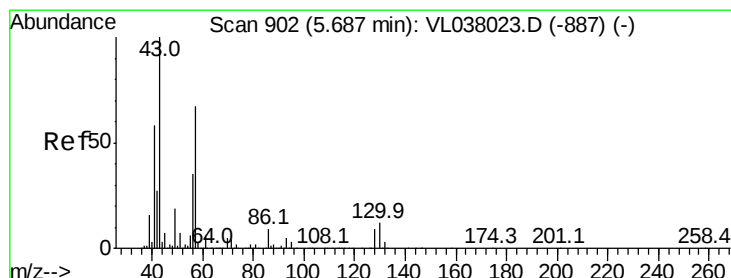
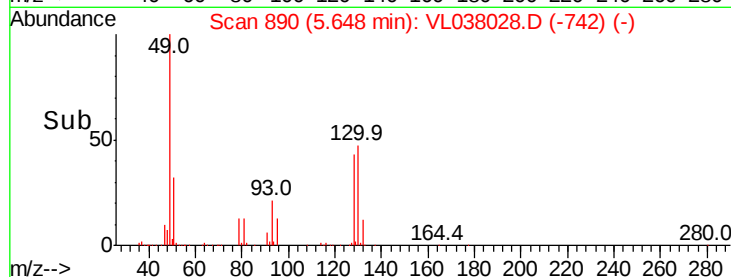
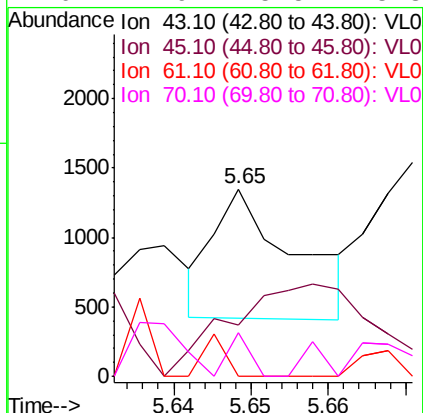
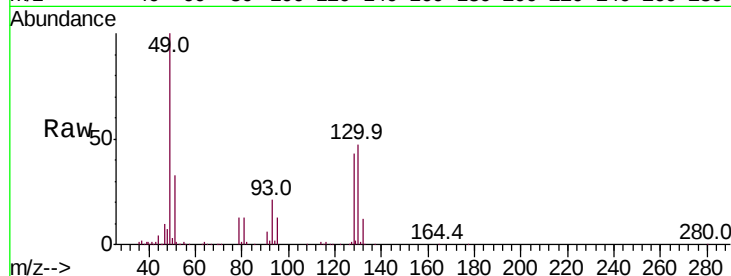
Tgt Ion:	63	Resp:	3600
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.9#
100	0.0	1.5	4.4#





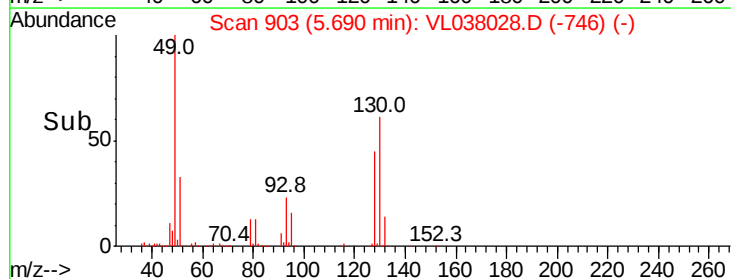
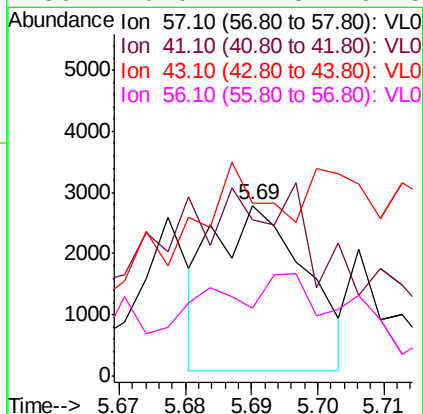
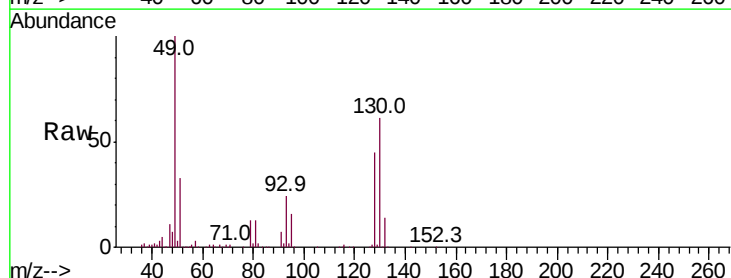
#25
Ethyl Acetate
Concen: 0.003 ppbv
RT: 5.65 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 4:56

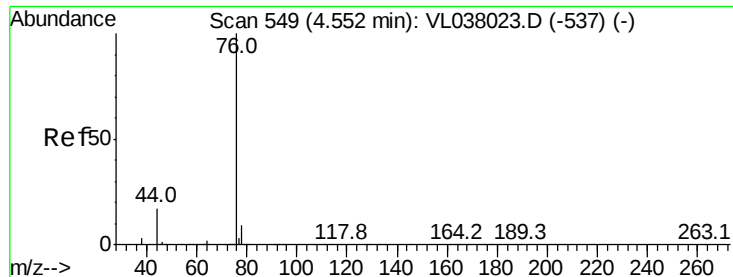
Tot Ion:	43	Resp:	670
Ion	Ratio	Lower	Upper
43	100		
45	217.8	7.8	11.8#
61	0.0	7.7	11.5#
70	24.9	5.5	8.3#



#26
Hexane
Concen: 0.028 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.00 min
Lab File: VL038028.D
Acq: 16 Nov 2021 4:56

Tgt Ion:	57	Resp:	2589
Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.8	106.2#
43	742.0	169.4	254.0#
56	0.0	41.8	62.8#





#27

Carbon Disulfide

Concen: 0.025 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Nov 2021 4:56

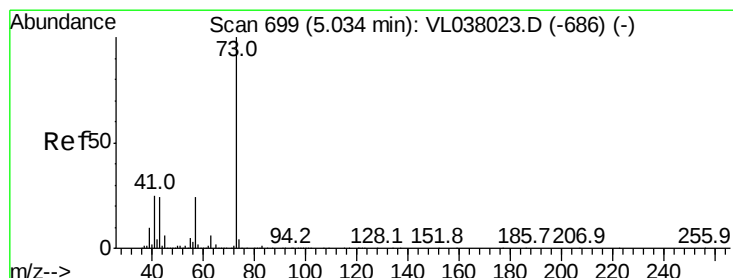
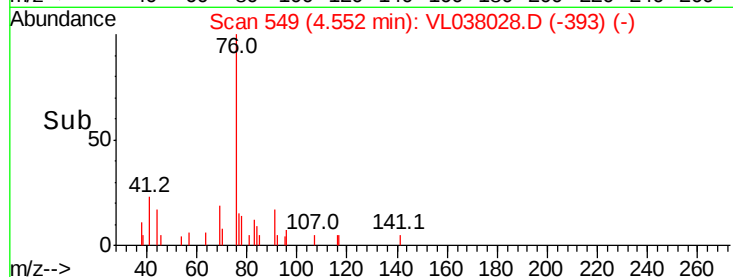
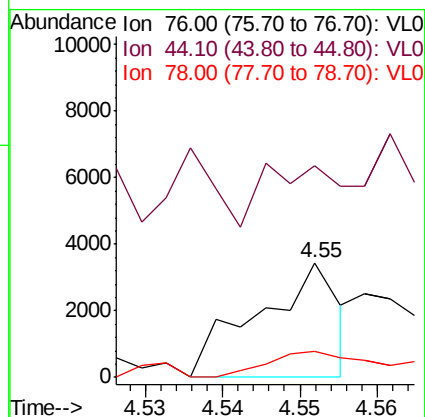
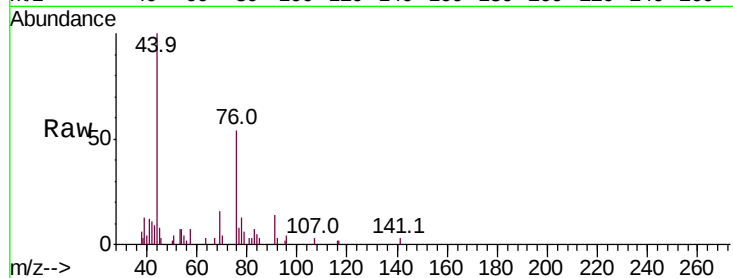
Tot Ion: 76 Resp: 2510

Ion Ratio Lower Upper

76 100

44 0.0 15.0 22.6#

78 47.2 7.8 11.6#



#28

Methyl tert-Butyl Ether

Concen: 0.056 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.04 min

Lab File: VL038028.D

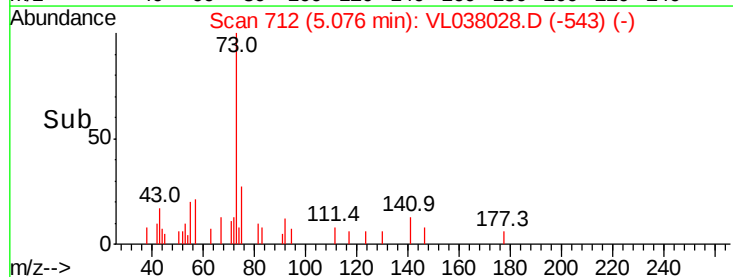
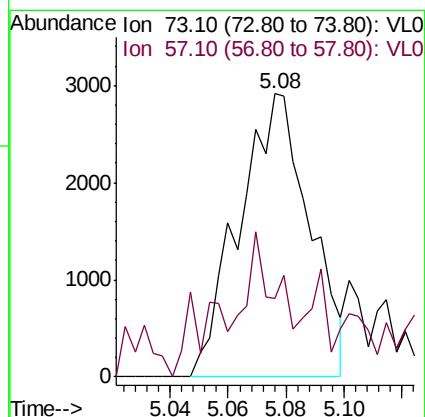
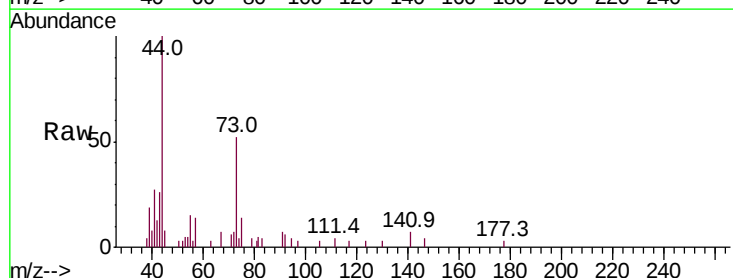
Acq: 16 Nov 2021 4:56

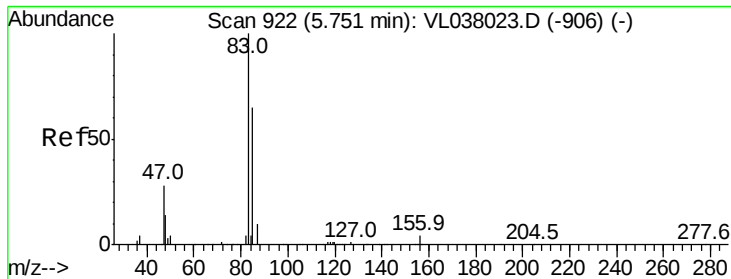
Tgt Ion: 73 Resp: 4920

Ion Ratio Lower Upper

73 100

57 67.7 19.1 28.7#





#29

Chloroform

Concen: 0.024 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

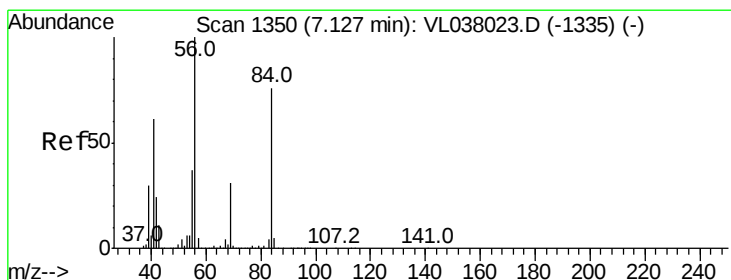
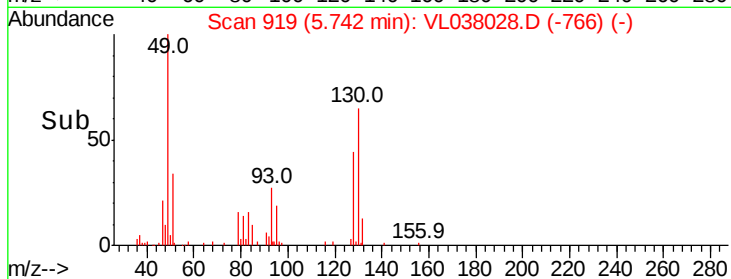
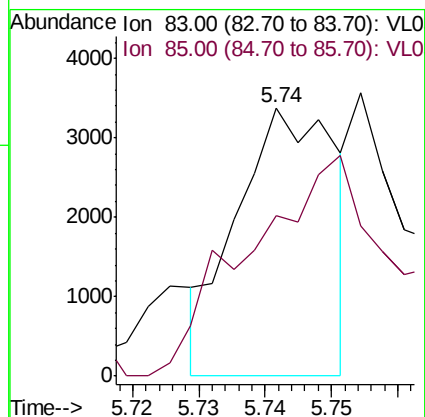
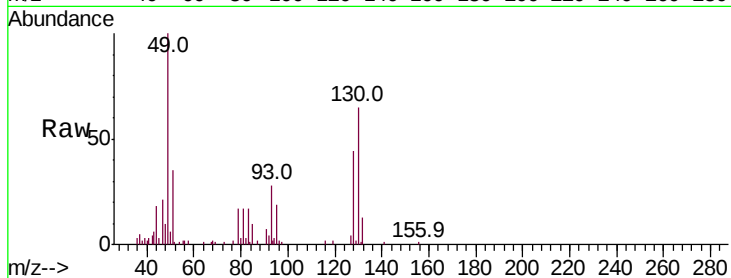
Acq: 16 Nov 2021 4:56

Tot Ion: 83 Resp: 3484

Ion Ratio Lower Upper

83 100

85 60.9 52.1 78.1



#30

Cyclohexane

Concen: 0.037 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.00 min

Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

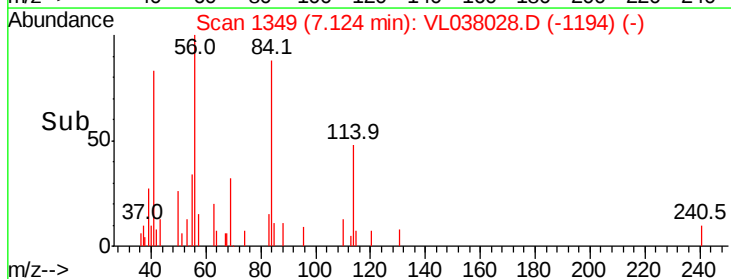
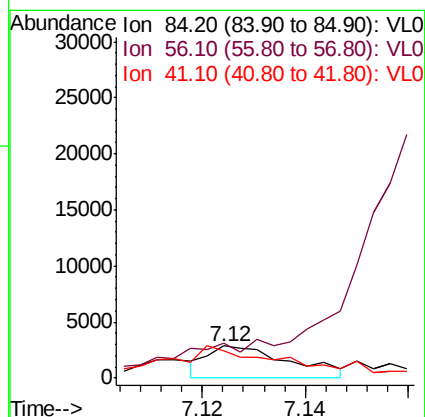
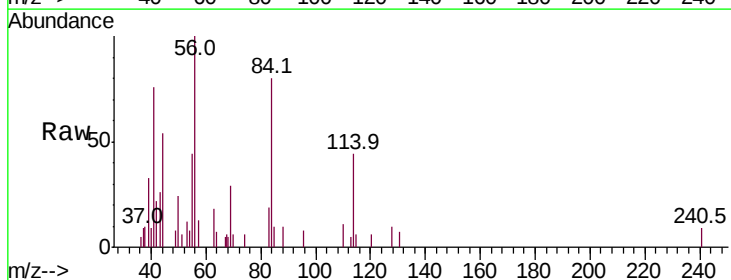
Tgt Ion: 84 Resp: 3187

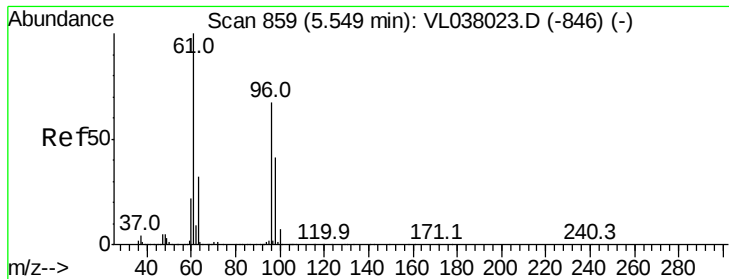
Ion Ratio Lower Upper

84 100

56 0.0 109.4 164.2#

41 154.7 65.8 98.6#





#31

cis-1,2-Dichloroethene

Concen: 0.007 ppbv

RT: 5.55 Instrument:

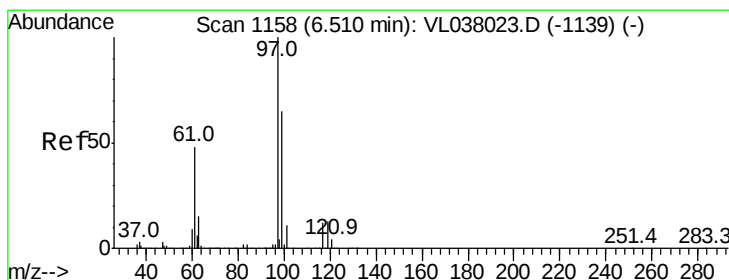
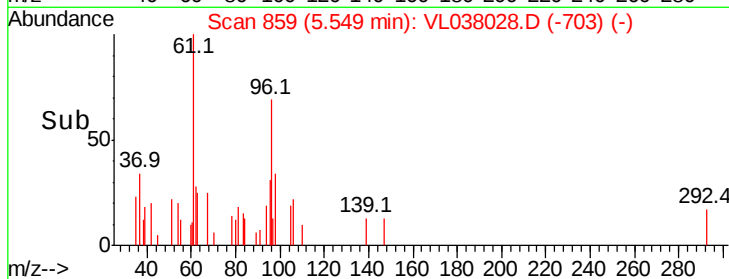
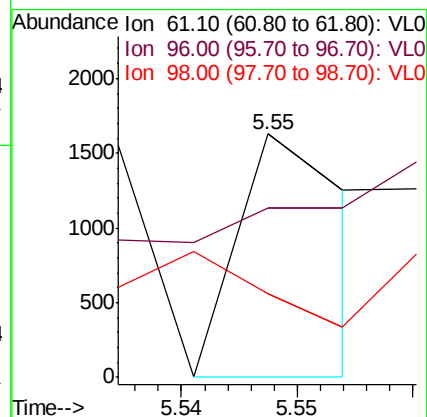
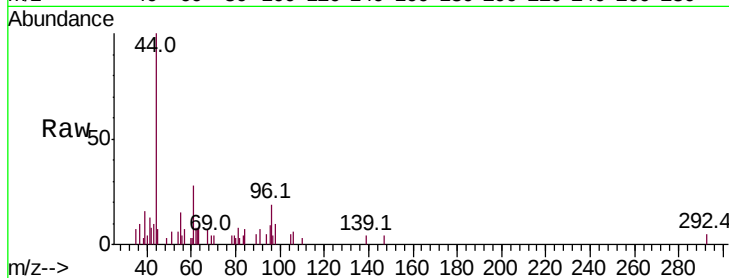
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Nov 2021 4:56

Tot Ion: 61 Resp: 556

Ion	Ratio	Lower	Upper
61	100		
96	14.4	53.9	80.9#
98	13.3	32.8	49.2#



#32

1,1,1-Trichloroethane

Concen: 0.020 ppbv

RT: 6.51 min Scan# 1158

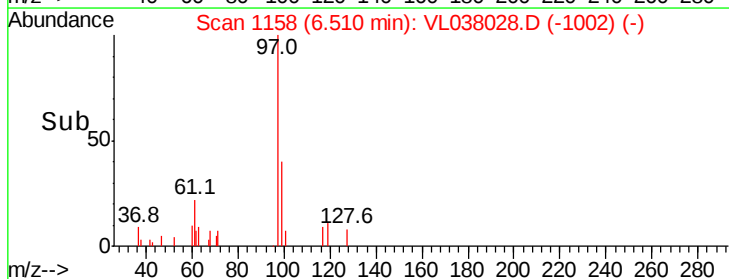
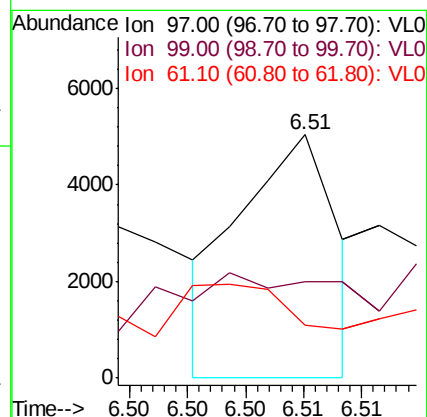
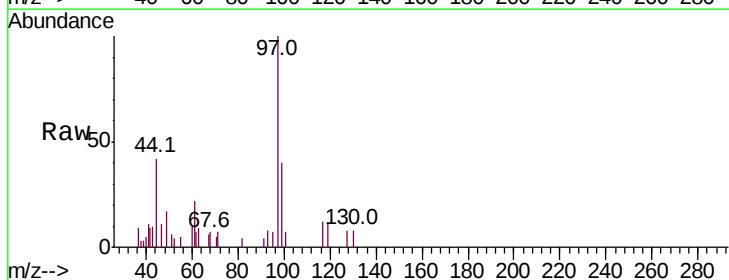
Delta R.T. 0.00 min

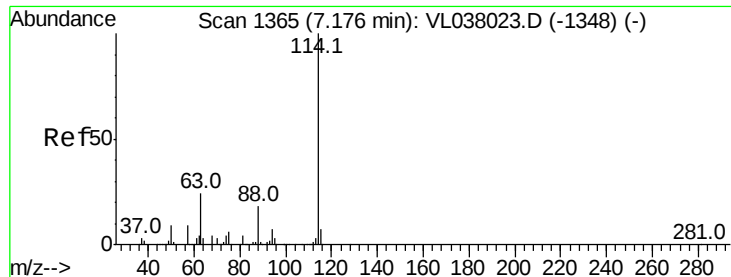
Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

Tgt Ion: 97 Resp: 2918

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.9	77.9#
61	126.7	37.9	56.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17

Instrument: MSVOA_1

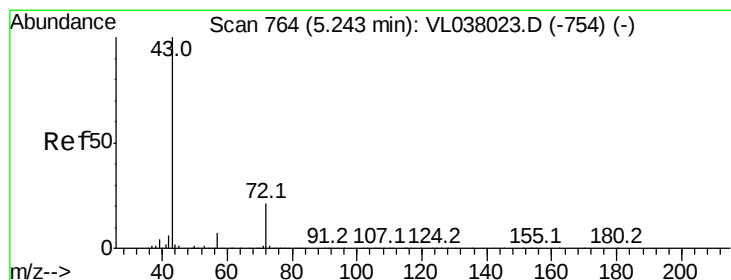
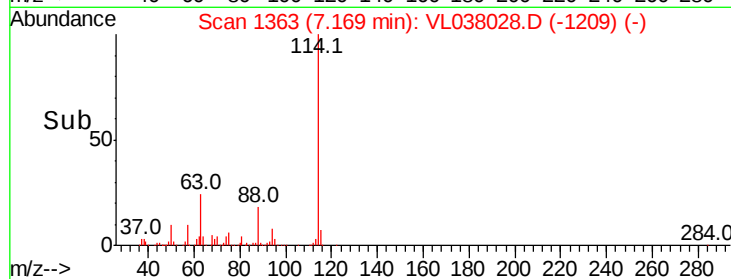
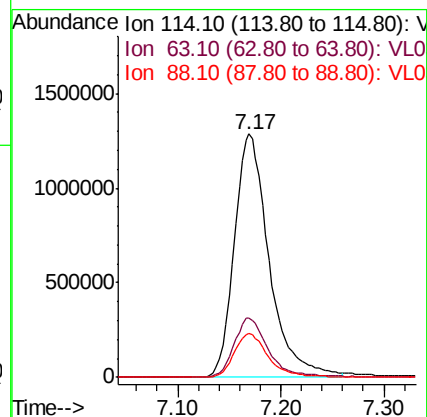
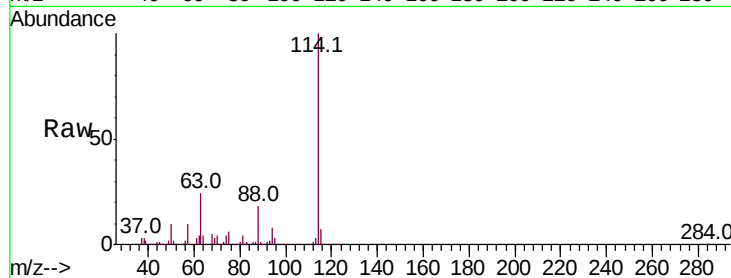
Delta R.T.

Lab File: ClientSampleId:

Acq: 16 Nov 2021 4:56

Tot Ion: 114 Resp: 3022312

Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.8	29.6
88	18.2	14.6	21.8



#34

2-Butanone

Concen: 0.003 ppbv

RT: 5.24 min Scan# 762

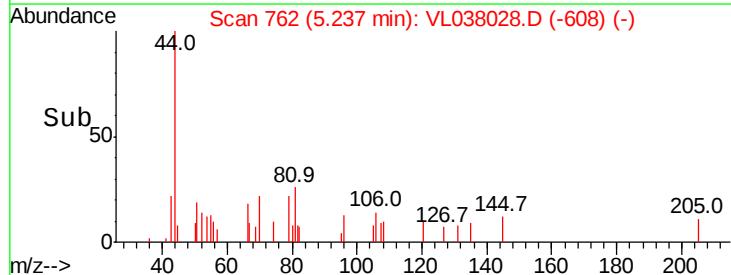
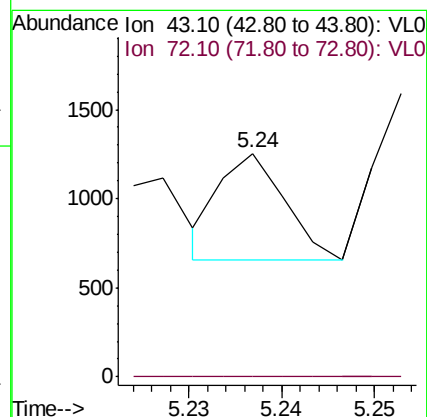
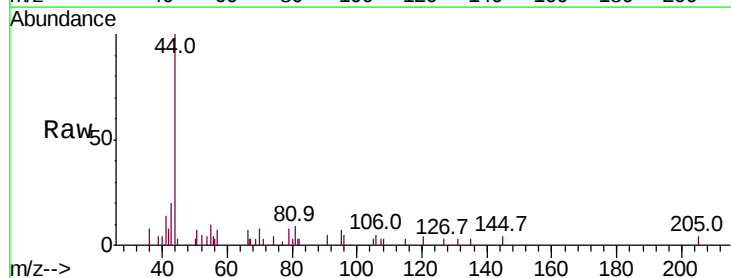
Delta R.T. -0.01 min

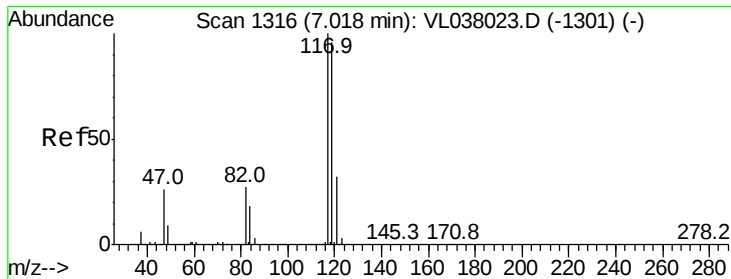
Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

Tgt Ion: 43 Resp: 292

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.4#





#35

Carbon Tetrachloride

Concen: 0.035 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 4:56

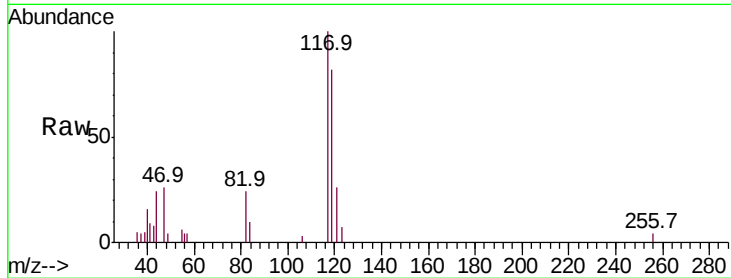
Tot Ion:117 Resp: 6521

Ion Ratio Lower Upper

117 100

119 83.2 76.5 114.7

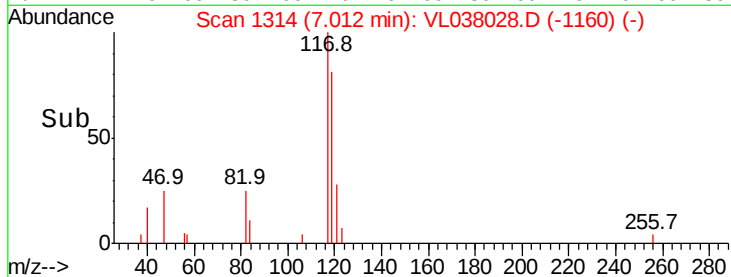
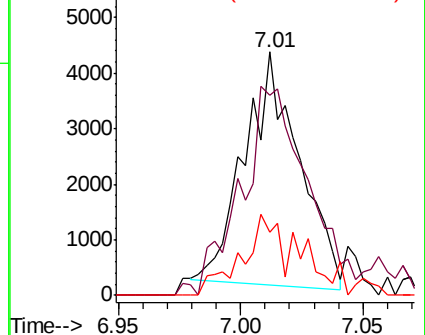
121 28.0 25.3 37.9



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: 0.033 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

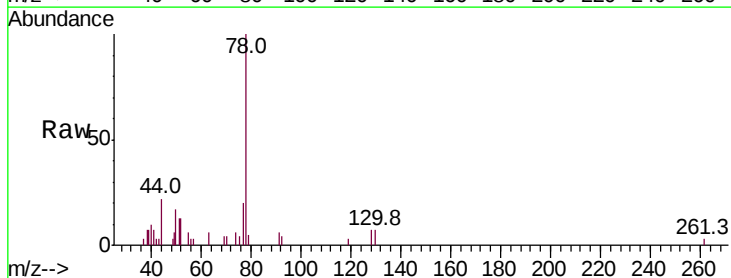
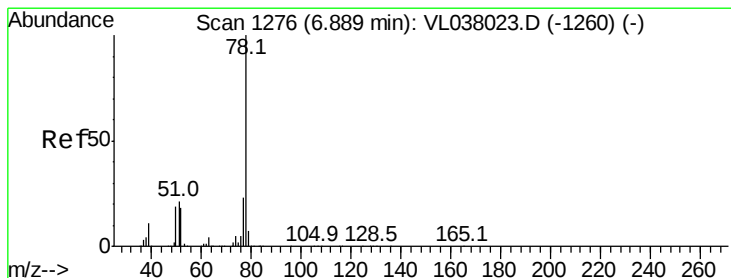
Tgt Ion: 78 Resp: 8271

Ion Ratio Lower Upper

78 100

77 19.6 18.8 28.2

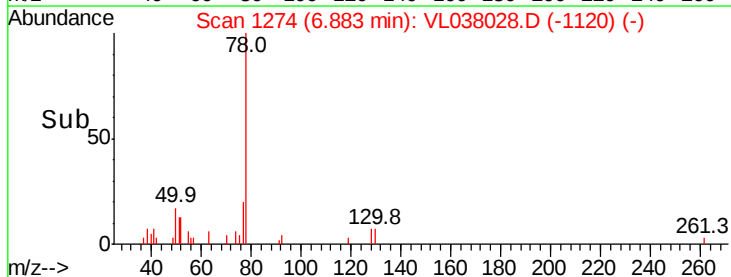
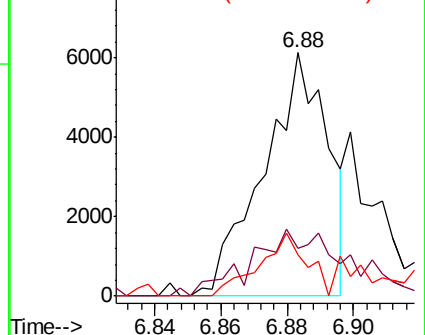
50 17.0 14.9 22.3

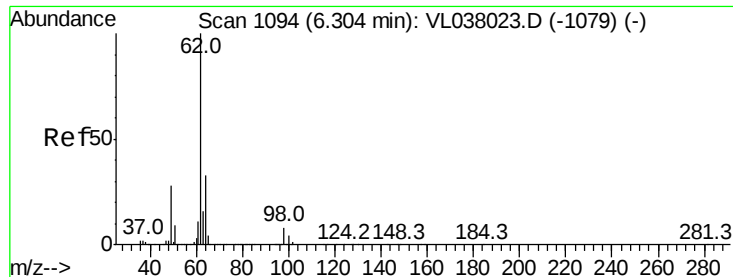


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.008 ppbv

RT: 6.30 Instrument:

Delta R.T. MSVOA_L

Lab File:

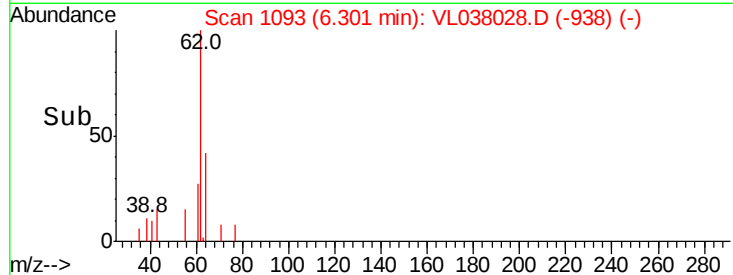
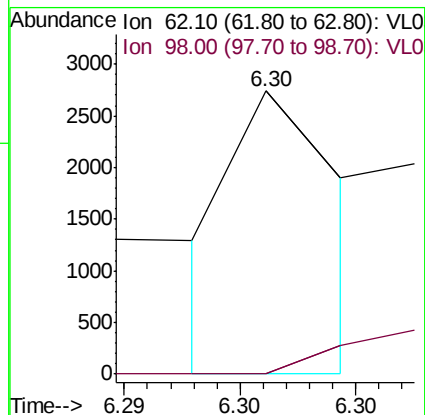
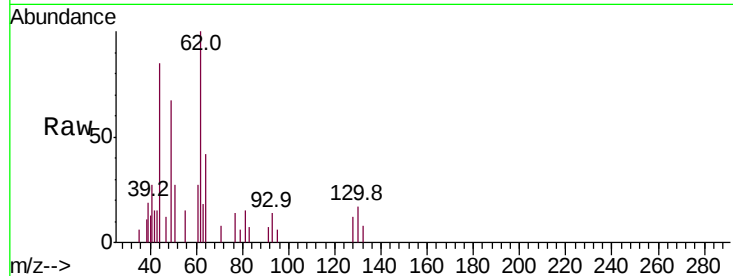
Acq: 16 Nov 2021 4:56

Tot Ion: 62 Resp: 896

Ion Ratio Lower Upper

62 100

98 0.0 5.9 8.9#



#38

Trichloroethene

Concen: 0.029 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

Tgt Ion: 130 Resp: 2954

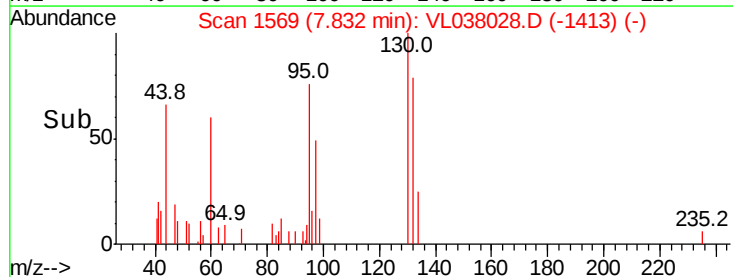
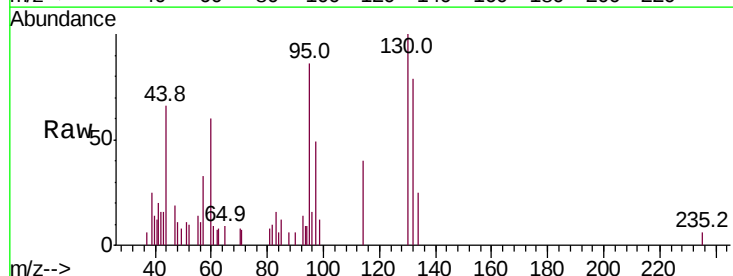
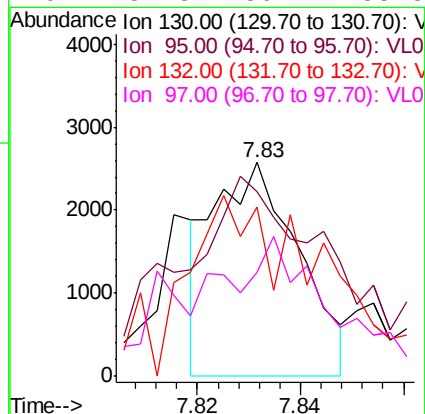
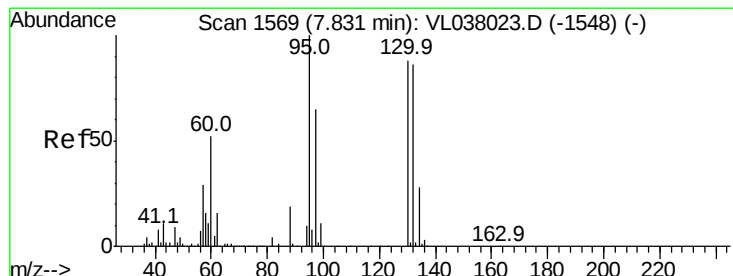
Ion Ratio Lower Upper

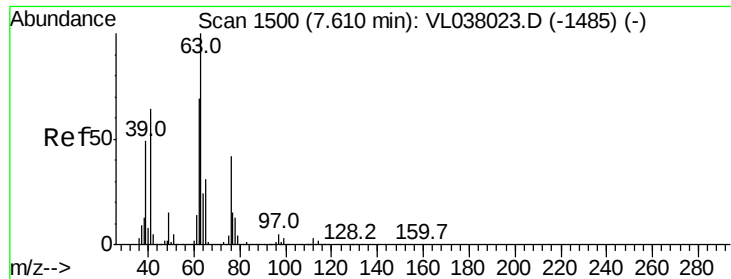
130 100

95 48.3 90.5 135.7#

132 42.7 77.4 116.0#

97 34.3 59.2 88.8#





#39

1,2-Dichloropropane

Concen: 7.545 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 4:56

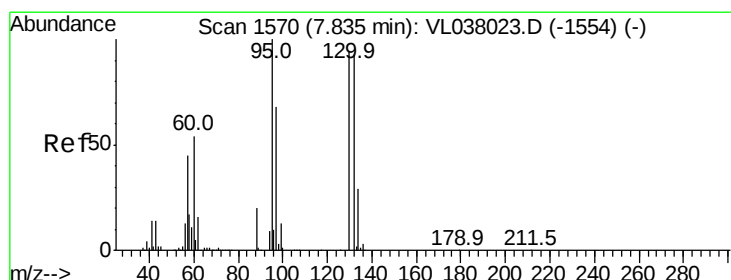
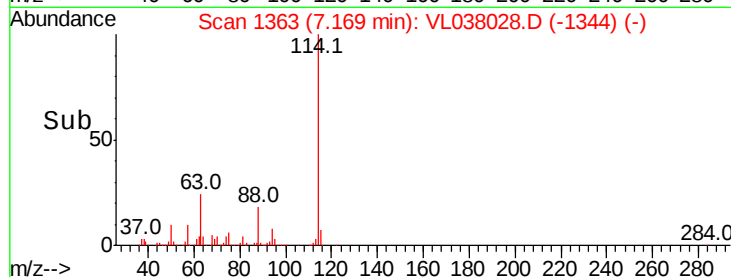
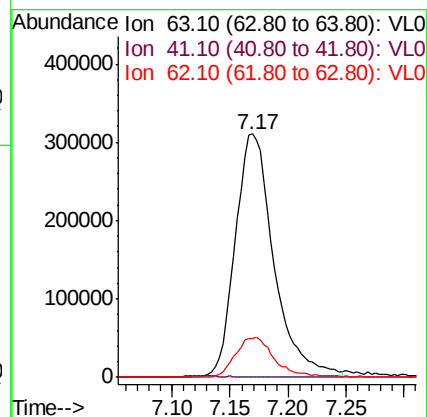
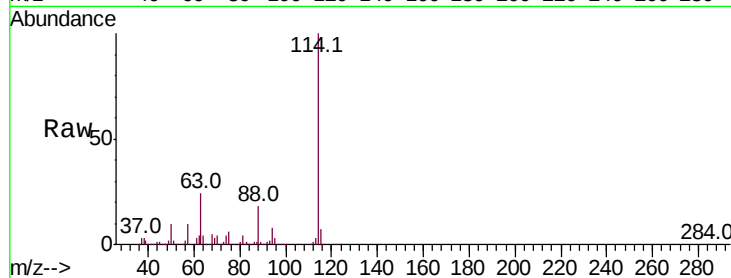
Tot Ion: 63 Resp: 717301

Ion Ratio Lower Upper

63 100

41 0.0 51.1 76.7#

62 16.2 55.2 82.8#



#40

1,4-Dioxane

Concen: 0.006 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

Tgt Ion: 88 Resp: 138

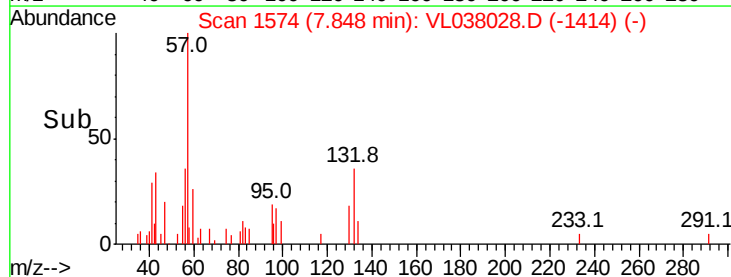
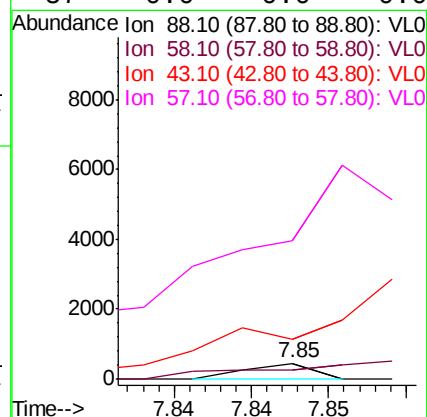
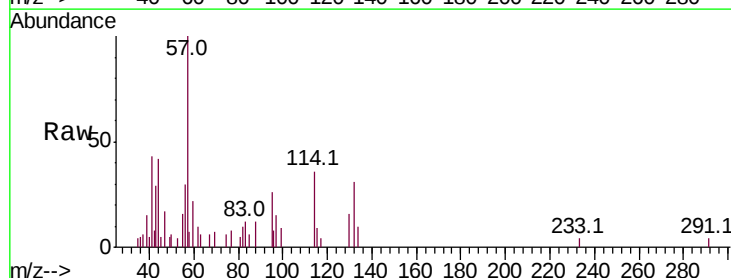
Ion Ratio Lower Upper

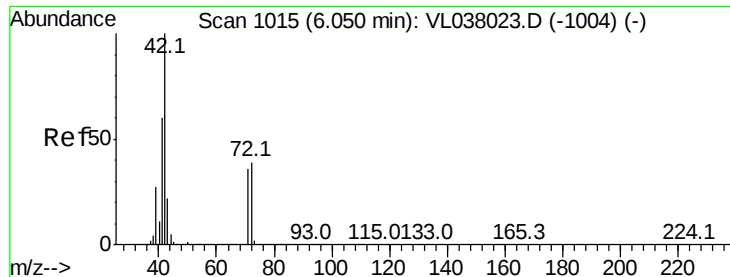
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

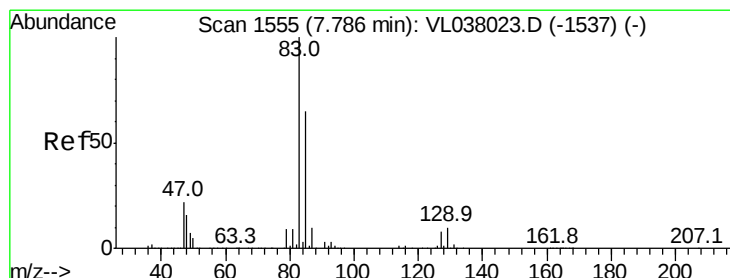
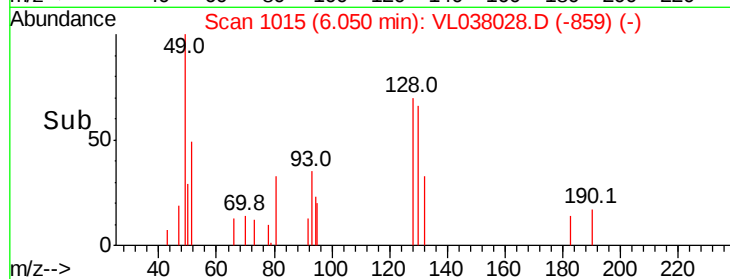
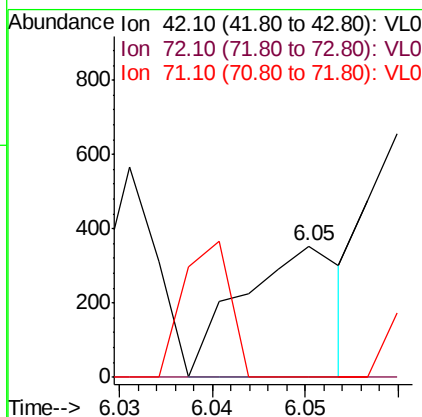
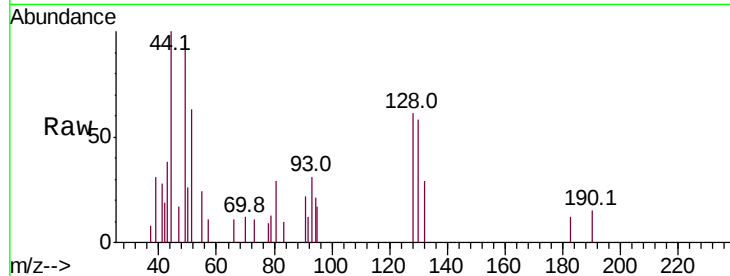
57 0.0 0.0 0.0





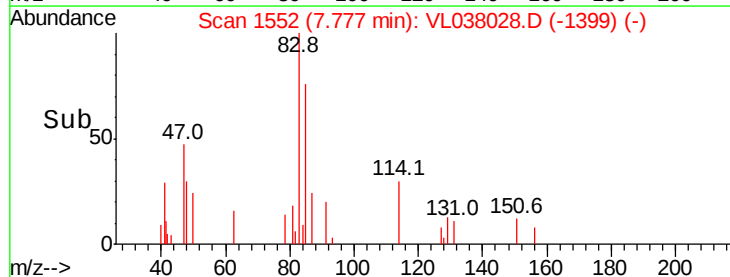
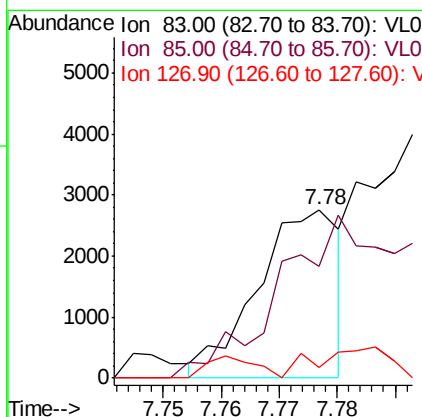
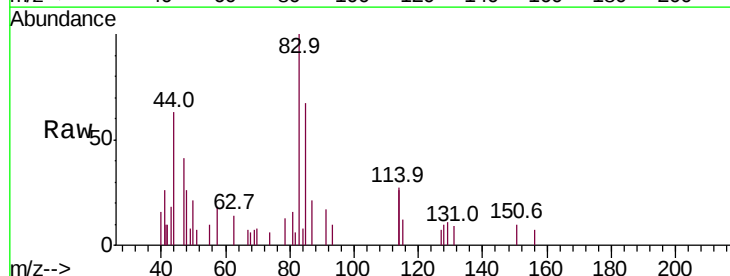
#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 6.05 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 4:56

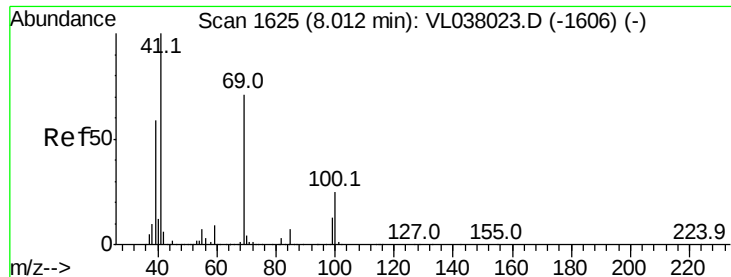
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.3	46.9#
71	63.0	29.7	44.5#



#42
Bromodichloromethane
Concen: 0.015 ppbv
RT: 7.78 min Scan# 1552
Delta R.T.: -0.01 min
Lab File: VL038028.D
Acq: 16 Nov 2021 4:56

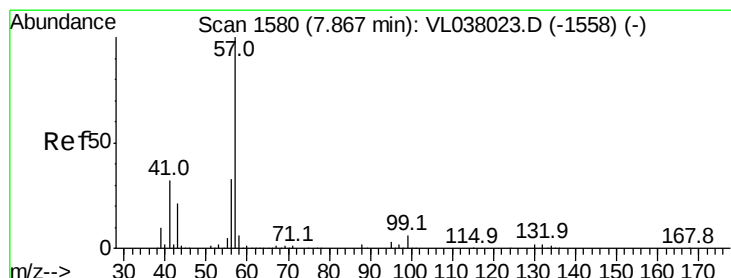
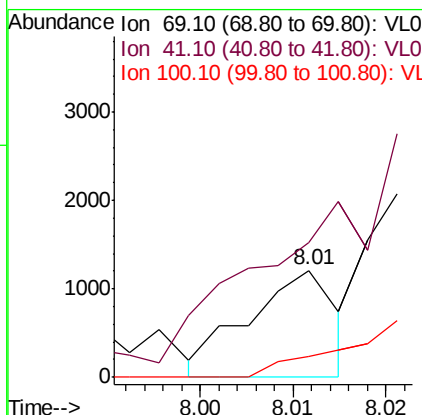
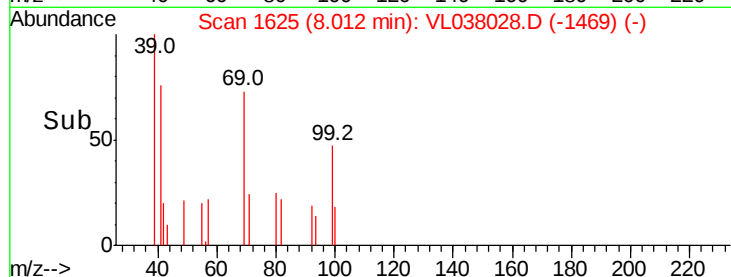
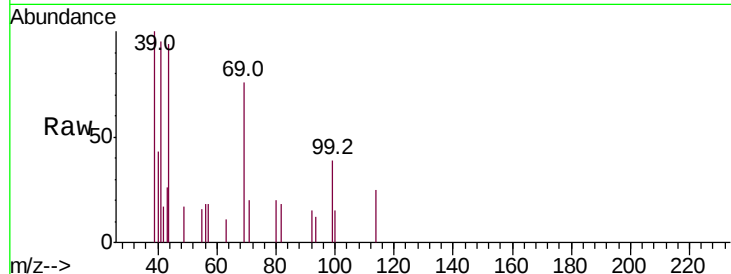
Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.6	77.4
127	7.2	6.6	10.0





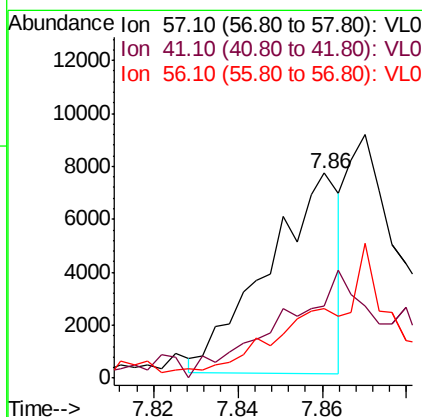
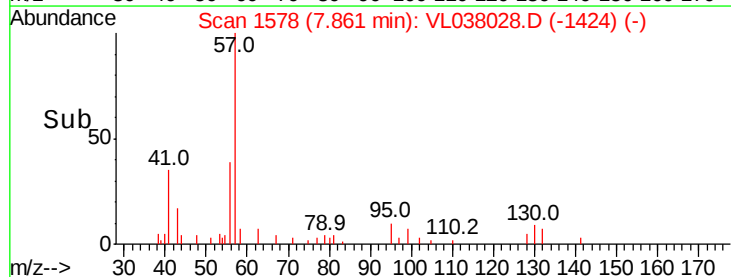
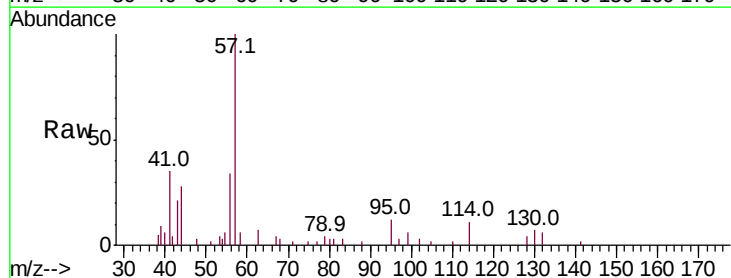
#43
Methyl Methacrylate
Concen: 0.010 ppbv
RT: 8.01 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 4:56

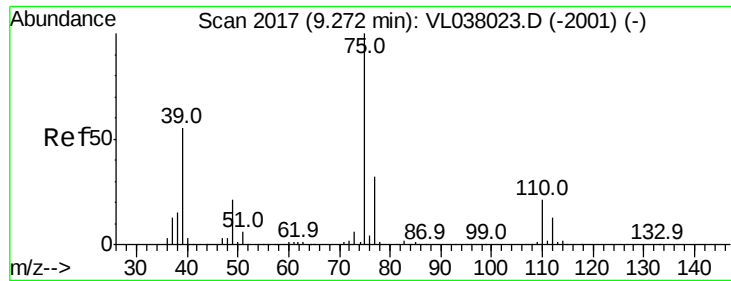
Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	116.1	174.1#
100	0.0	27.1	40.7#



#44
2,2,4-Trimethylpentane
Concen: 0.021 ppbv
RT: 7.86 min Scan# 1578
Delta R.T.: -0.01 min
Lab File: VL038028.D
Acq: 16 Nov 2021 4:56

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.6	26.3	39.5#
56	0.0	25.6	38.4#





#45

t-1,3-Dichloropropene

Concen: 0.009 ppbv

RT: 9.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

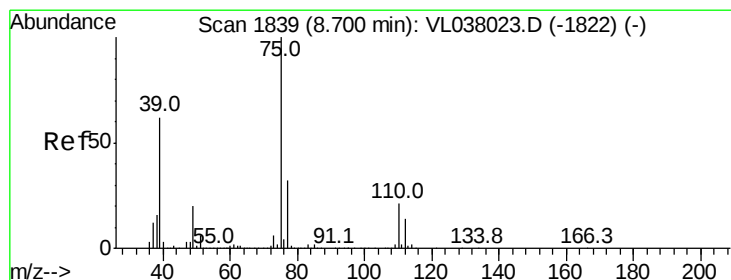
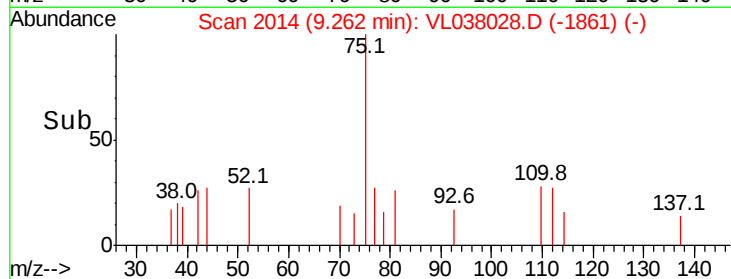
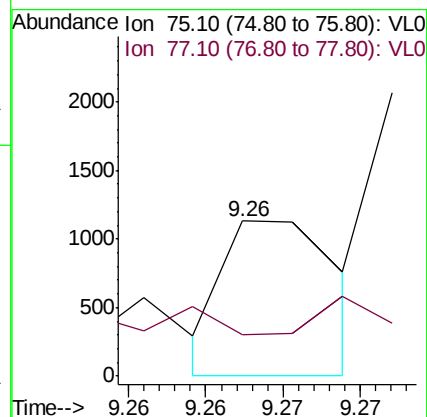
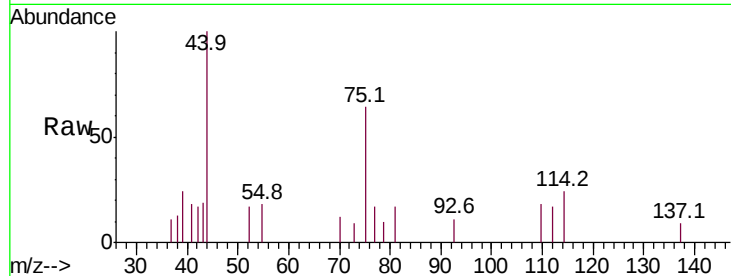
Acq: 16 Nov 2021 4:58

Tot Ion: 75 Resp: 581

Ion Ratio Lower Upper

75 100

77 27.0 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 0.027 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

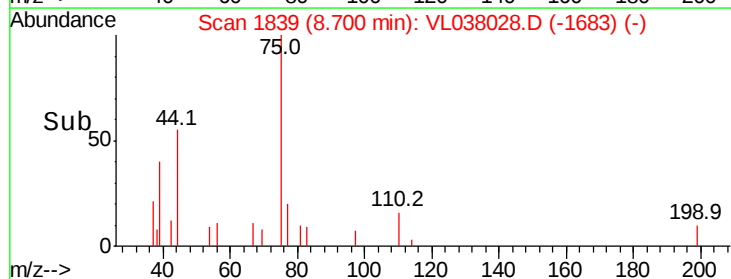
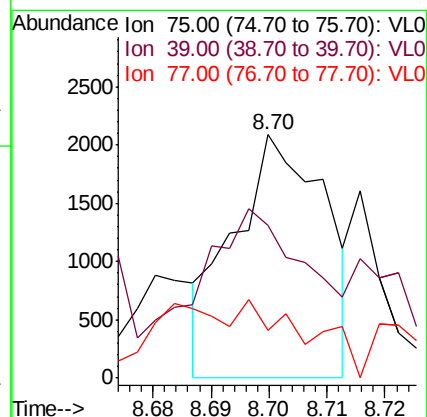
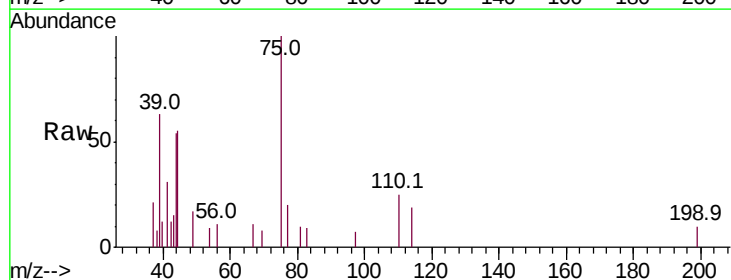
Tgt Ion: 75 Resp: 2300

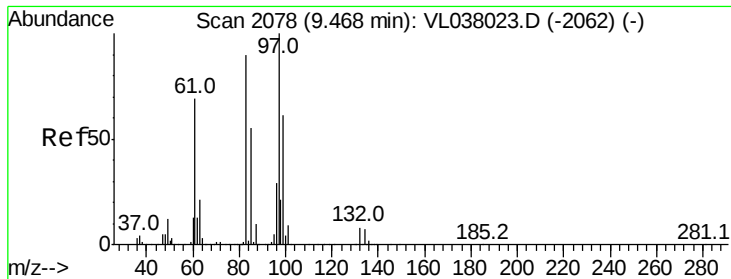
Ion Ratio Lower Upper

75 100

39 73.7 49.2 73.8

77 0.0 25.3 37.9#





#47

1,1,2-Trichloroethane

Concen: 0.005 ppbv

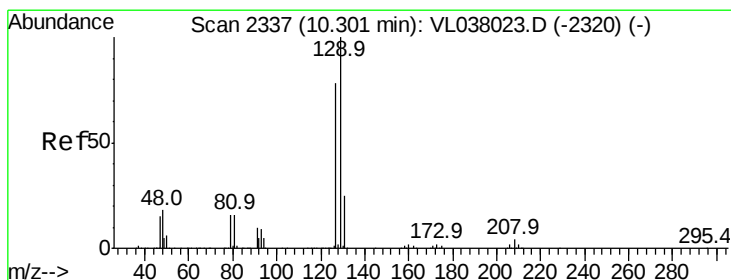
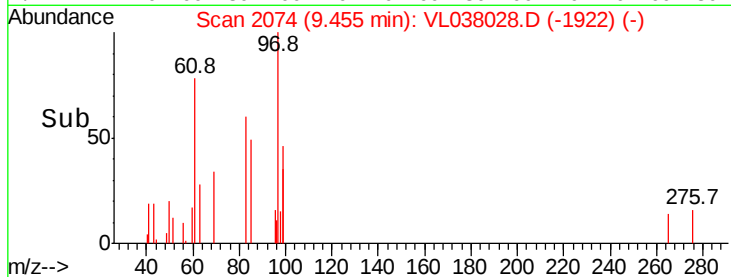
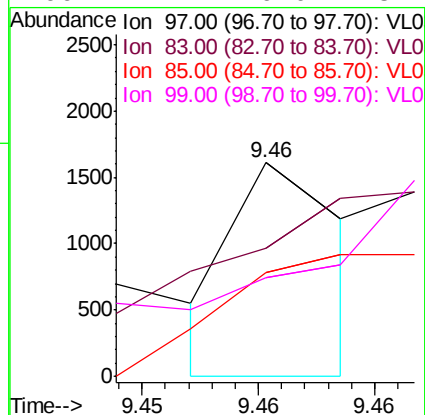
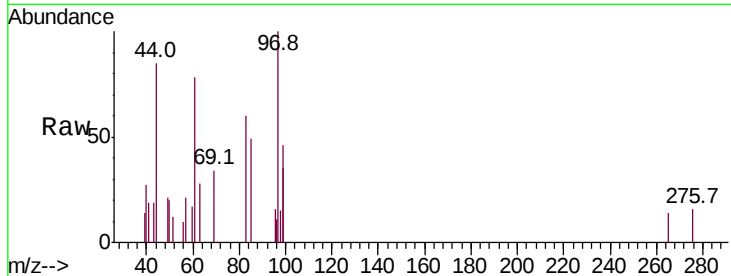
RT: 9.46 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 4:58

Tot Ion:	97	Resp:	539
Ion	Ratio	Lower	Upper
97	100		
83	16.5	72.2	108.4#
85	40.5	43.8	65.8#
99	22.4	49.0	73.4#



#48

Dibromochloromethane

Concen: 0.022 ppbv

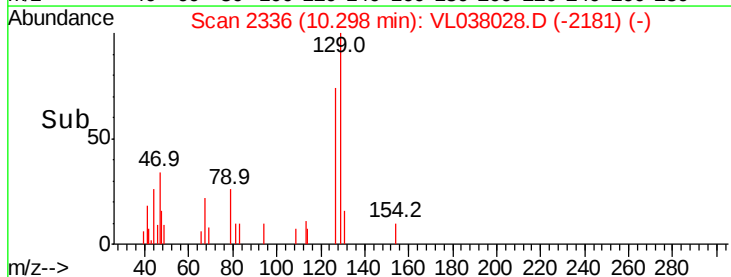
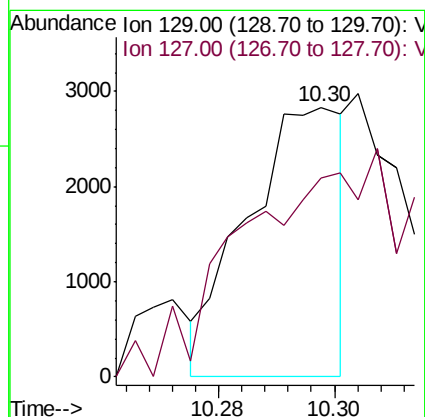
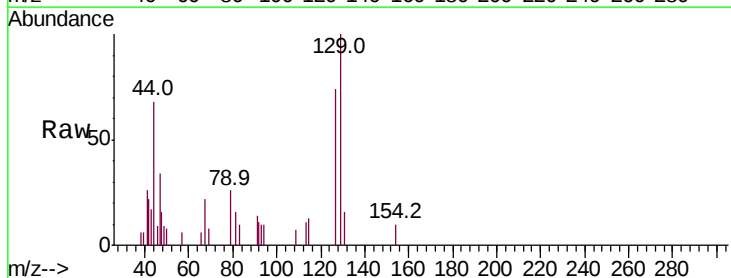
RT: 10.30 min Scan# 2336

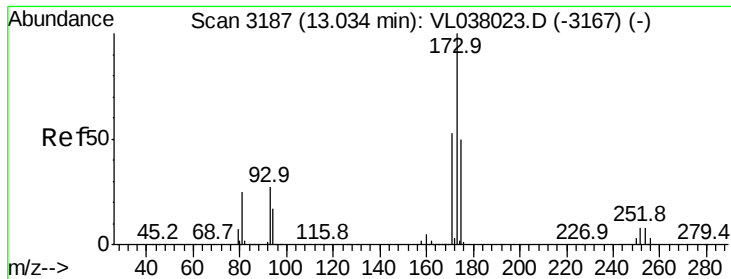
Delta R.T. -0.00 min

Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

Tgt Ion:	129	Resp:	3257
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.8	119.3#





#49

Bromoform

Concen: 0.008 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 4:56

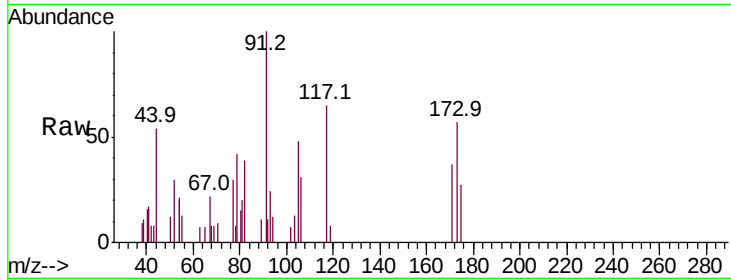
Tot Ion: 173 Resp: 906

Ion Ratio Lower Upper

173 100

175 0.0 41.5 62.3#

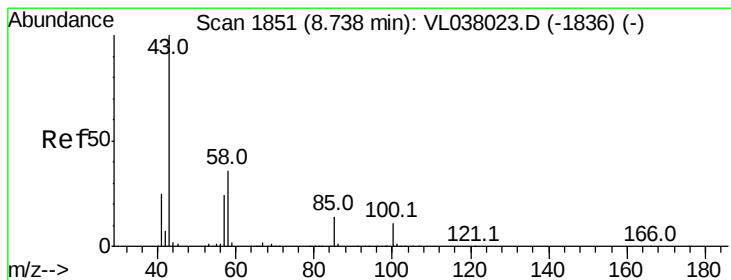
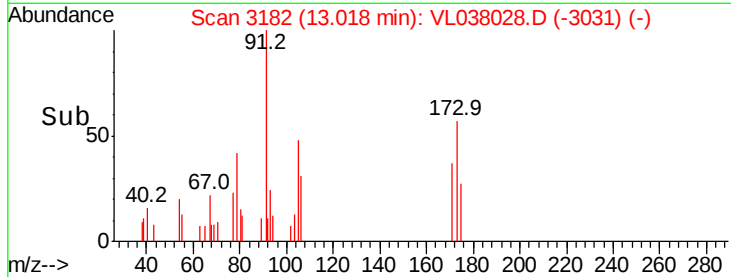
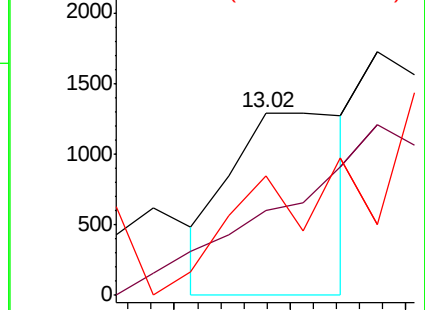
171 0.0 43.7 65.5#



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: 0.002 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.01 min

Lab File: VL038028.D

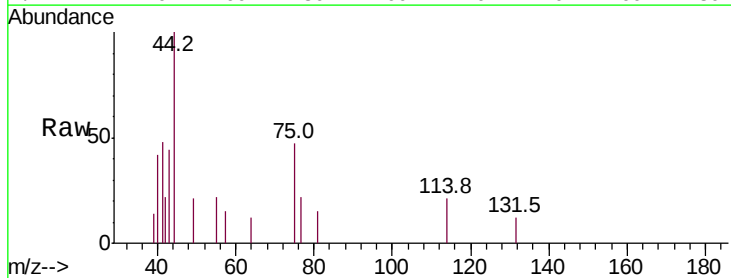
Acq: 16 Nov 2021 4:56

Tgt Ion: 43 Resp: 246

Ion Ratio Lower Upper

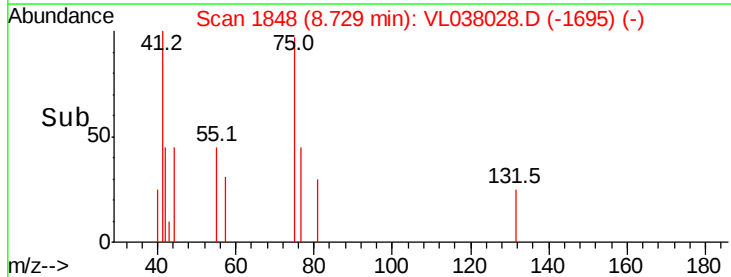
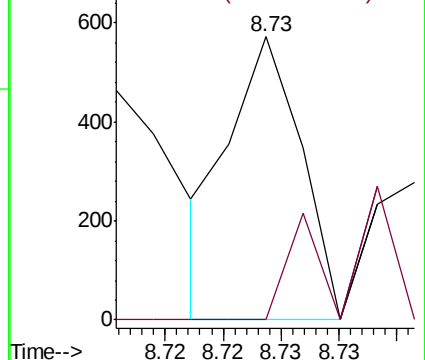
43 100

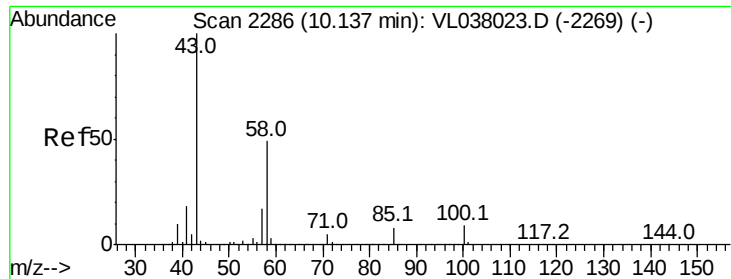
58 0.0 29.8 44.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.001 ppbv

RT: 10.13

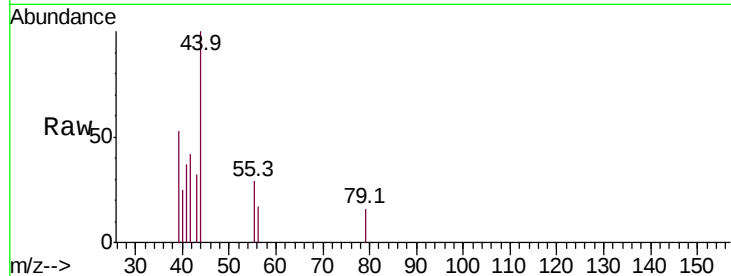
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 4:56

Tot Ion: 43 Resp: 73

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.2	60.2#
98	0.0	0.1	0.1#

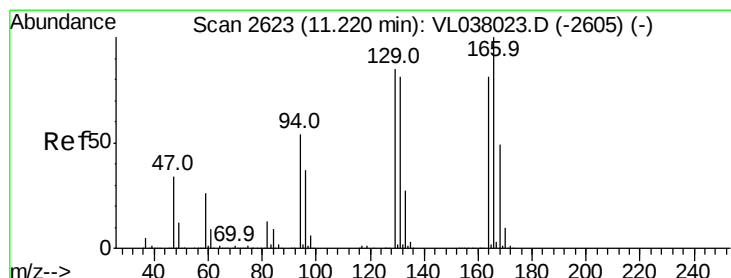
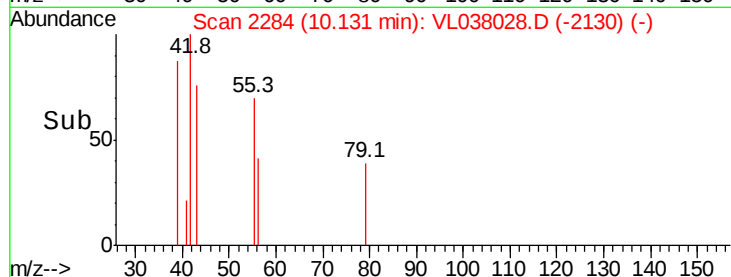
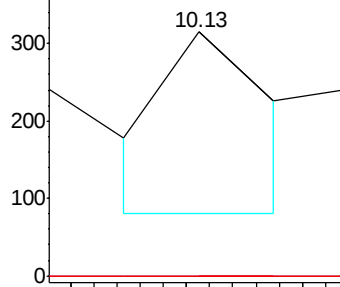


Abundance

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: 0.016 ppbv

RT: 11.21 min Scan# 2620

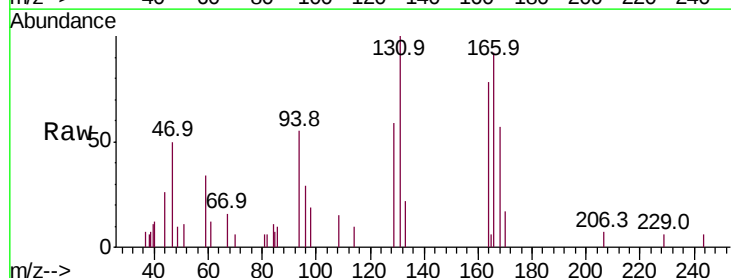
Delta R.T. -0.01 min

Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

Tgt Ion: 164 Resp: 1503

Ion	Ratio	Lower	Upper
164	100		
166	91.8	98.6	148.0#
129	0.0	84.1	126.1#
131	82.8	79.8	119.8



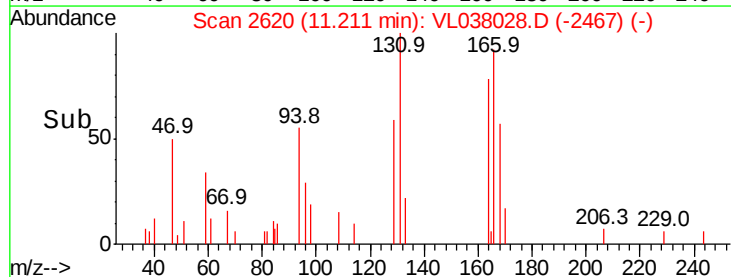
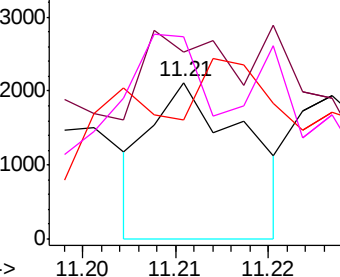
Abundance

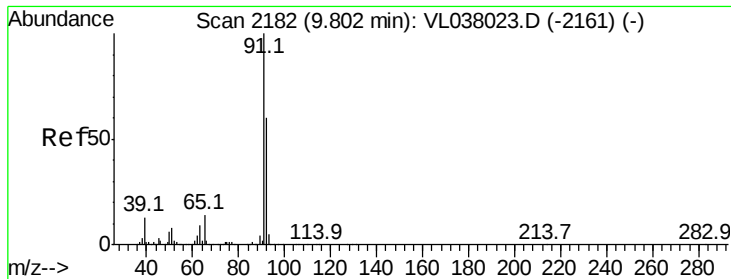
Ion 163.90 (163.60 to 164.60): V

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: 0.051 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

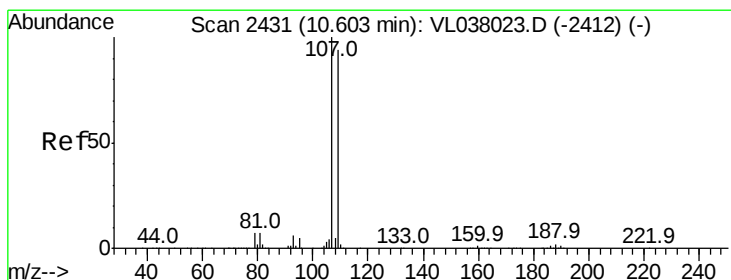
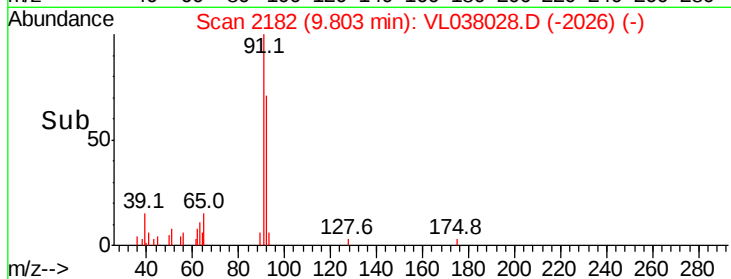
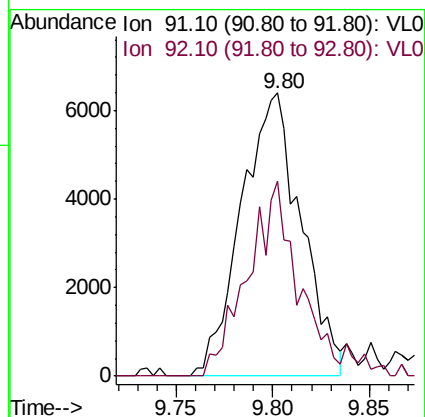
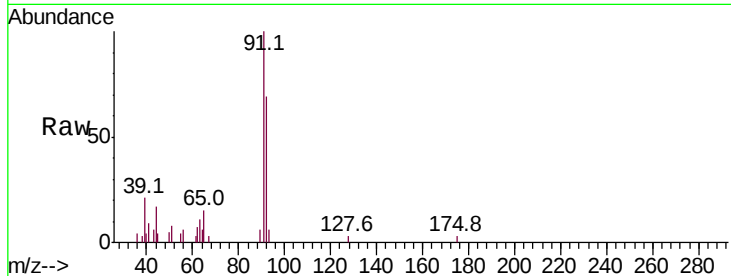
Acq: 16 Nov 2021 4:56

Tot Ion: 91 Resp: 13772

Ion Ratio Lower Upper

91 100

92 61.6 49.4 74.2



#54

1,2-Dibromoethane

Concen: 0.008 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.02 min

Lab File: VL038028.D

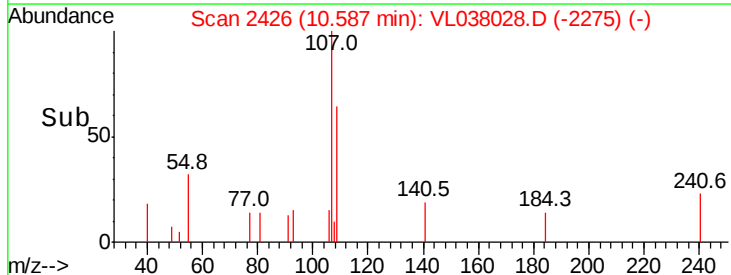
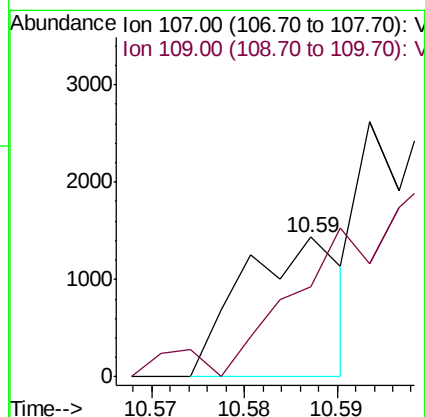
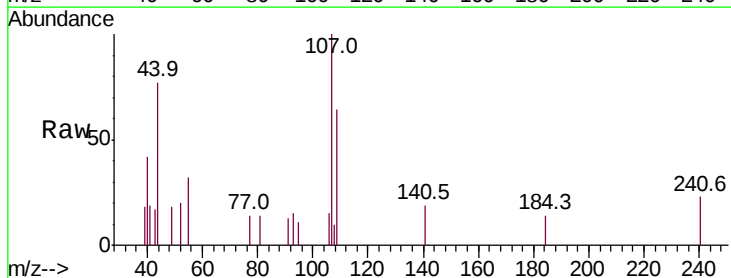
Acq: 16 Nov 2021 4:56

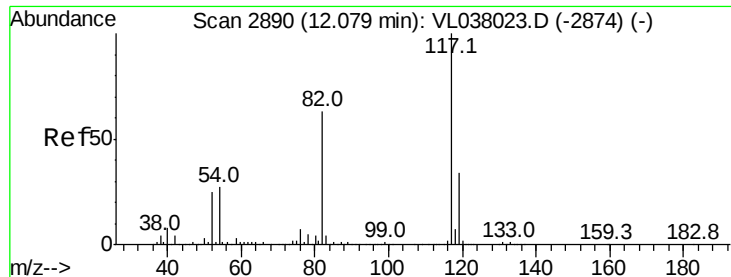
Tgt Ion: 107 Resp: 1064

Ion Ratio Lower Upper

107 100

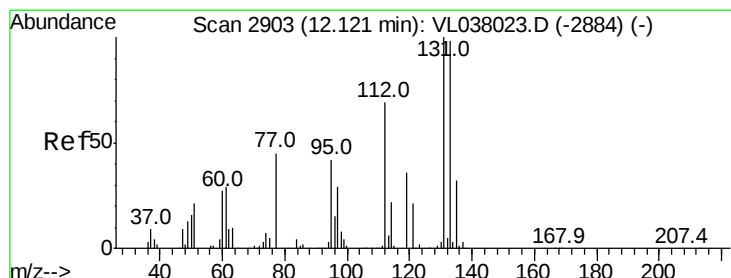
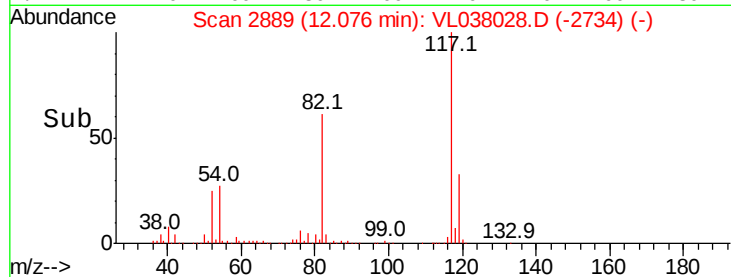
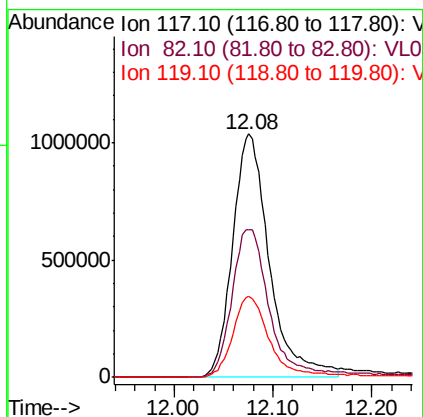
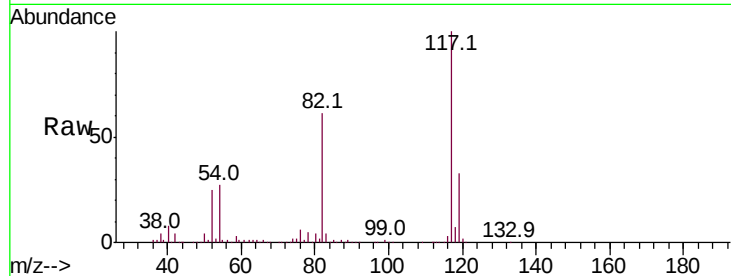
109 44.5 75.0 112.6#





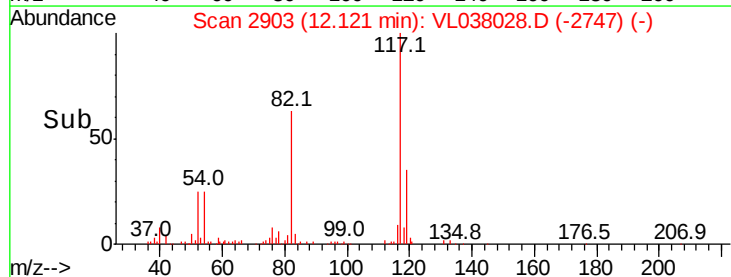
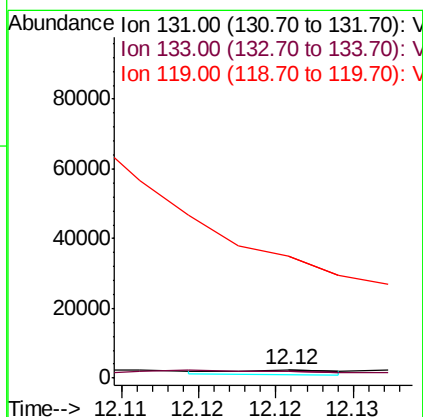
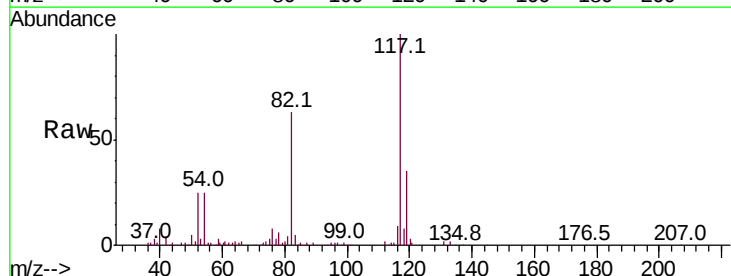
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 4:56

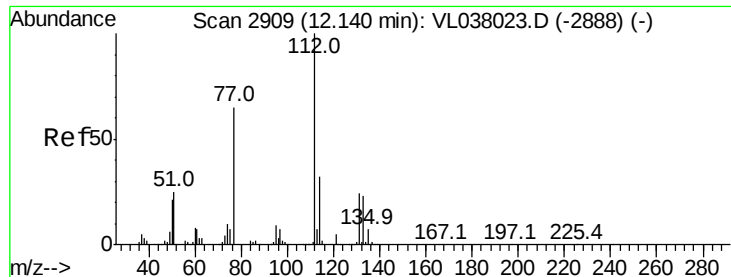
Tot Ion:117 Resp: 2693173
 Ion Ratio Lower Upper
 117 100
 82 66.2 50.0 75.0
 119 35.3 44.9 67.3#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.006 ppbv
 RT: 12.12 min Scan# 2903
 Delta R.T.: 0.00 min
 Lab File: VL038028.D
 Acq: 16 Nov 2021 4:56

Tgt Ion:131 Resp: 650
 Ion Ratio Lower Upper
 131 100
 133 790.0 77.8 116.8#
 119 0.0 121.1 181.7#





#57

Chlorobenzene

Concen: 0.016 ppbv

RT: 12.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 4:58

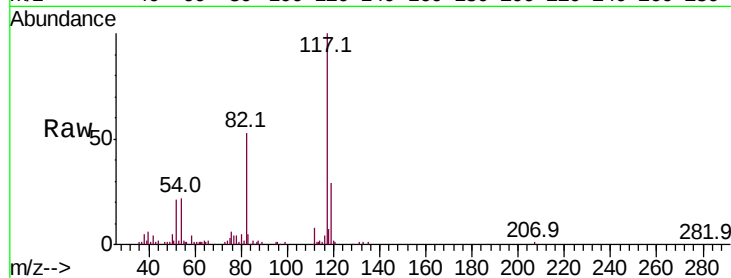
Tot Ion: 112 Resp: 3415

Ion Ratio Lower Upper

112 100

77 53.7 52.1 78.1

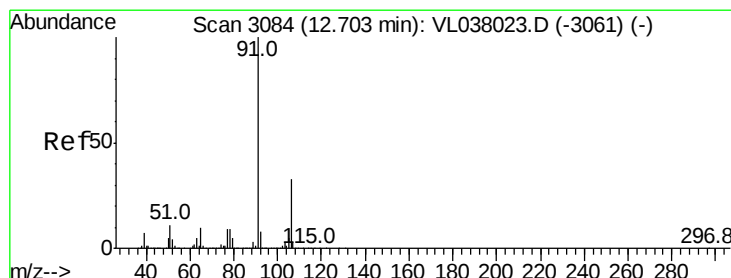
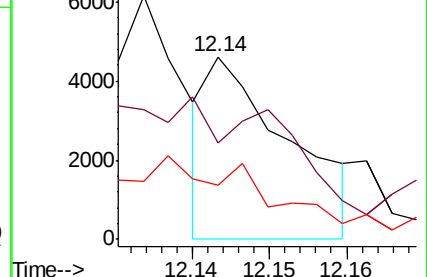
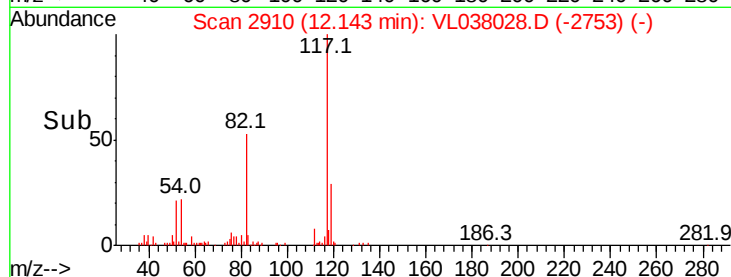
114 35.3 29.1 35.5



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: 0.050 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL038028.D

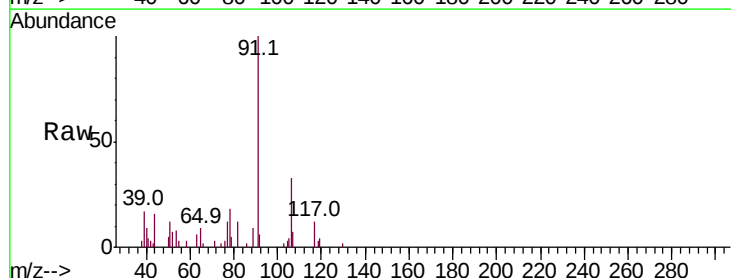
Acq: 16 Nov 2021 4:56

Tgt Ion: 91 Resp: 16570

Ion Ratio Lower Upper

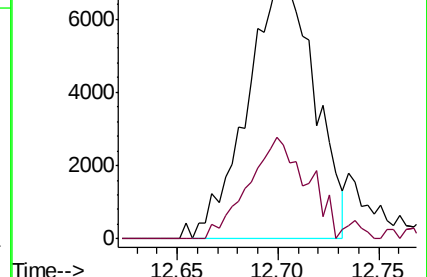
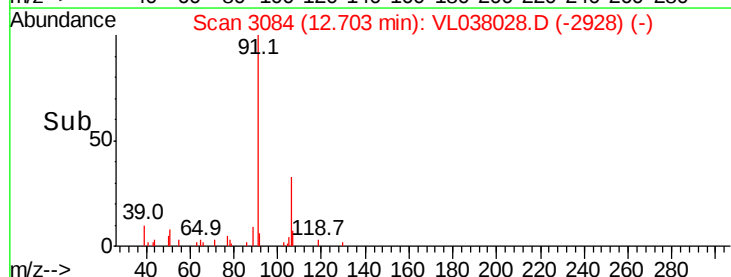
91 100

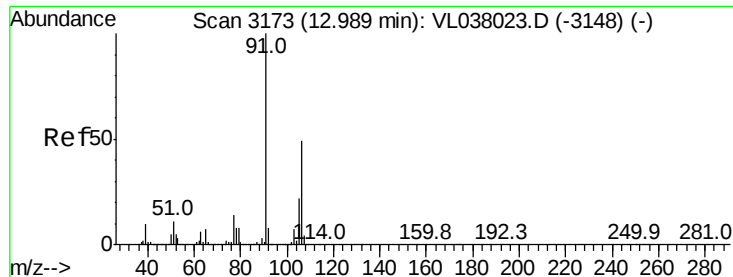
106 33.2 26.2 39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

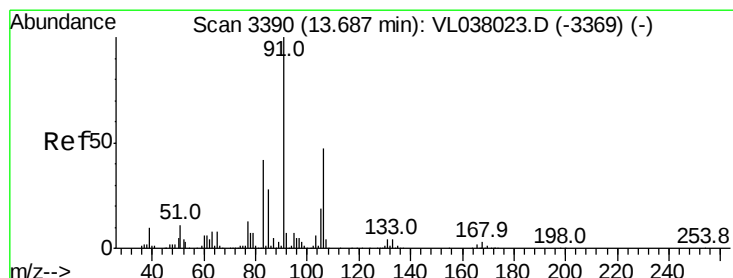
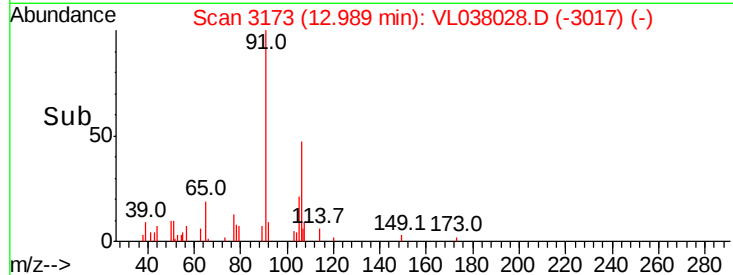
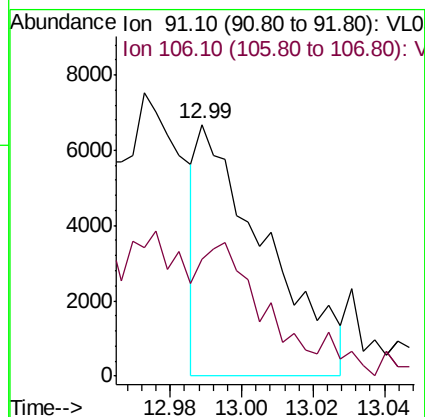
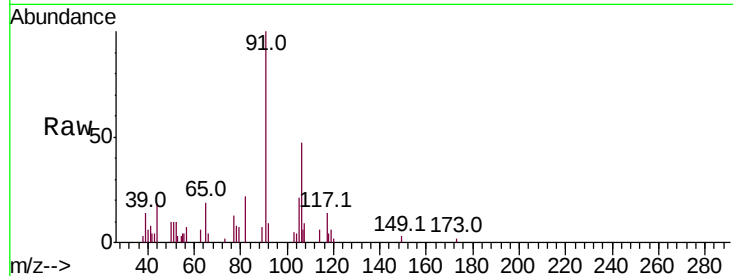
Ion 106.10 (105.80 to 106.80): V





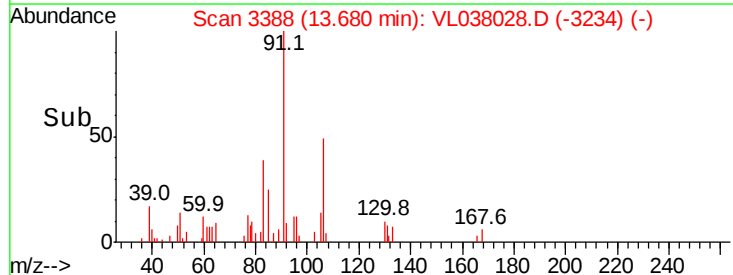
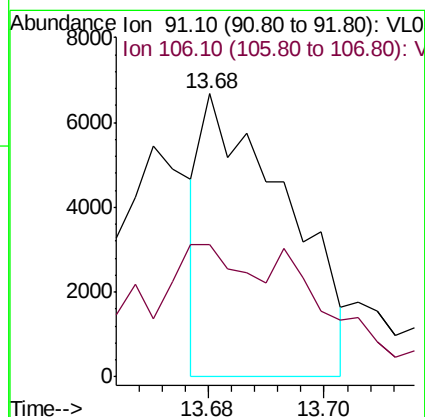
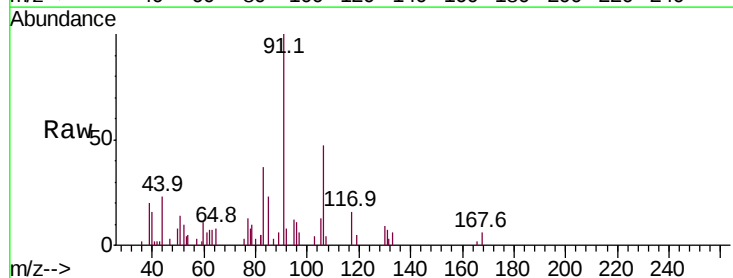
#59
m/p-Xylene
Concen: 0.030 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 4:56

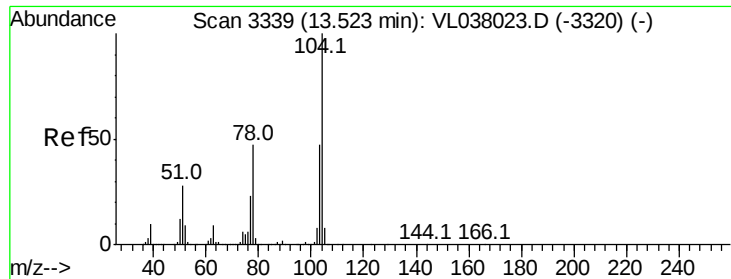
Tot Ion: 91 Resp: 8784
Ion Ratio Lower Upper
91 100
106 0.0 38.5 57.7#



#60
o-Xylene
Concen: 0.025 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.01 min
Lab File: VL038028.D
Acq: 16 Nov 2021 4:56

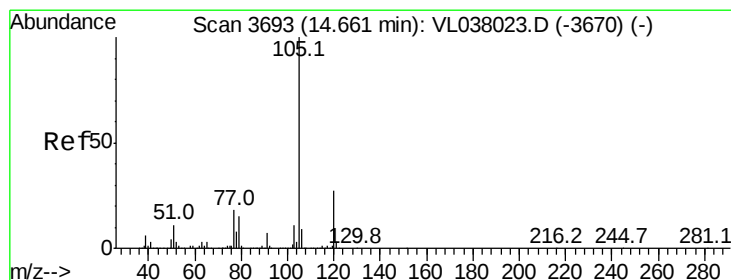
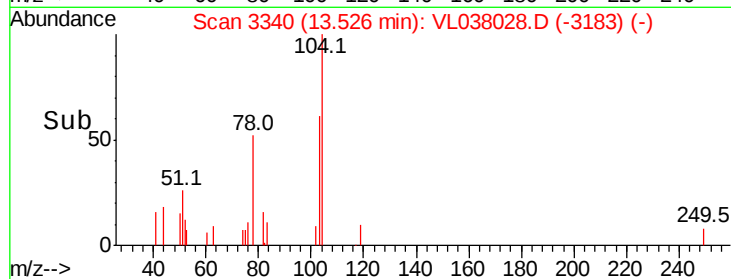
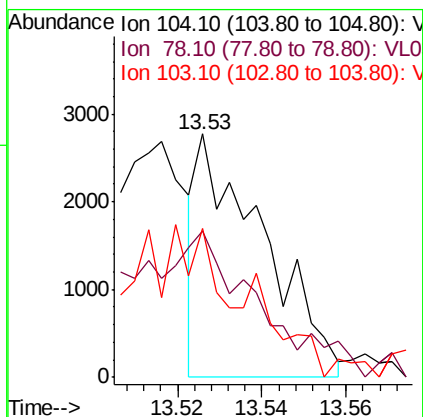
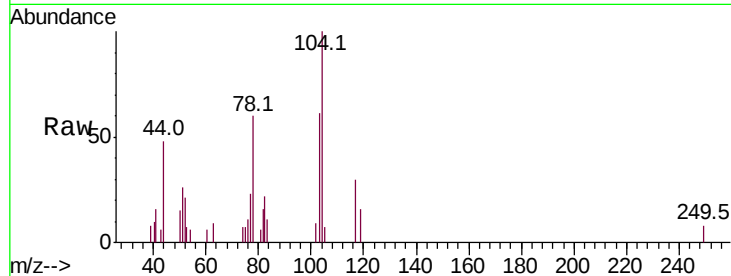
Tgt Ion: 91 Resp: 6762
Ion Ratio Lower Upper
91 100
106 118.3 24.2 72.6#





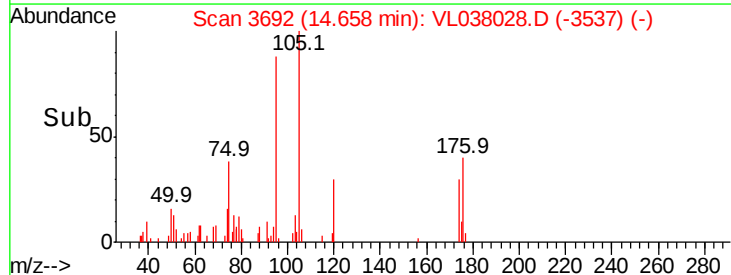
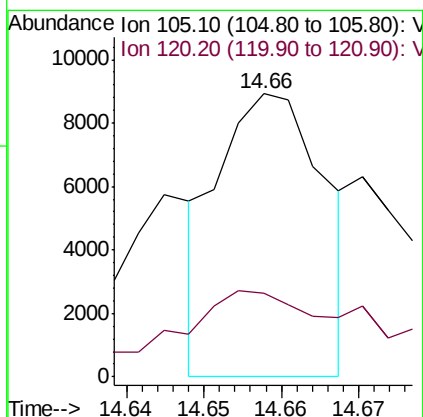
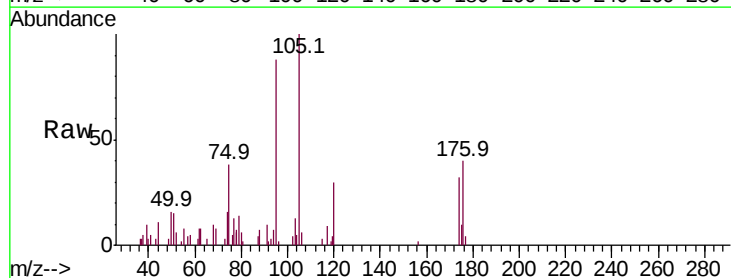
#61
Stvrene
Concen: 0.023 ppbv
RT: 13.53 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 4:56

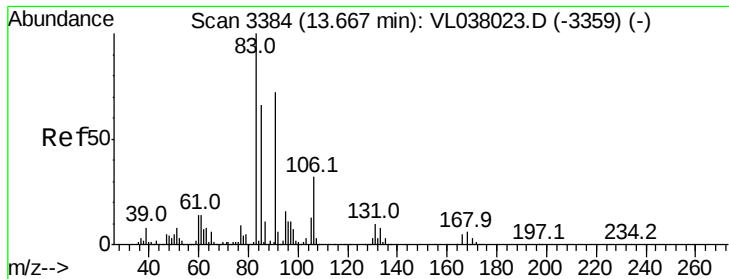
Tot Ion:104 Resp: 3010
Ion Ratio Lower Upper
104 100
78 140.6 38.7 58.1#
103 0.0 36.8 55.2#



#62
Isopropylbenzene
Concen: 0.022 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.00 min
Lab File: VL038028.D
Acq: 16 Nov 2021 4:56

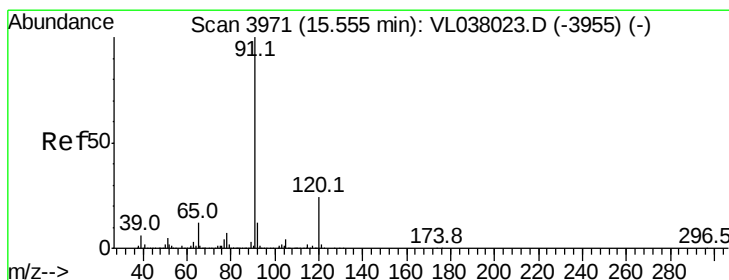
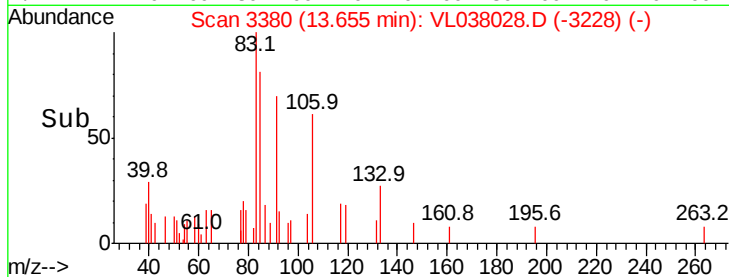
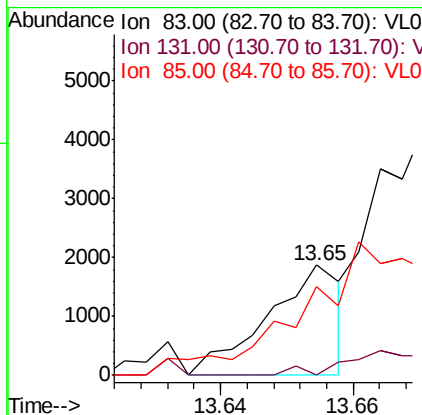
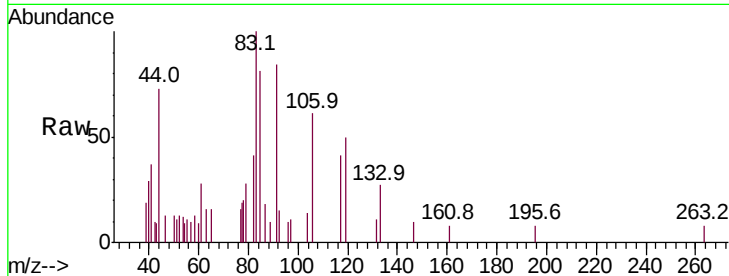
Tgt Ion:105 Resp: 8497
Ion Ratio Lower Upper
105 100
120 63.4 21.7 32.5#





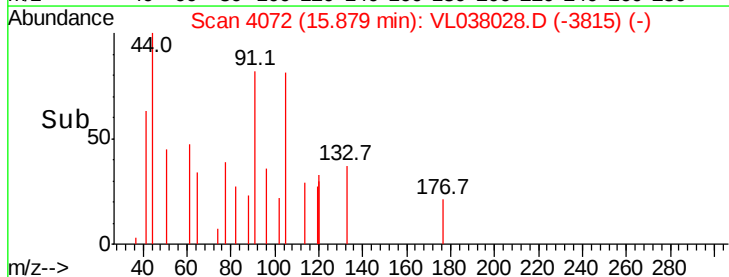
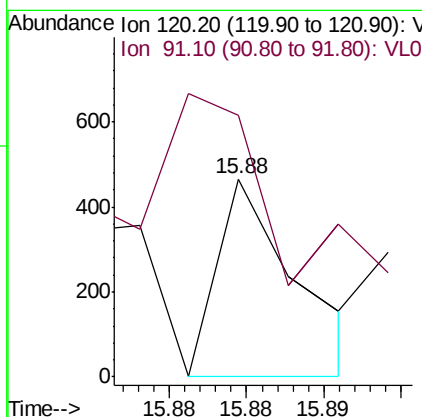
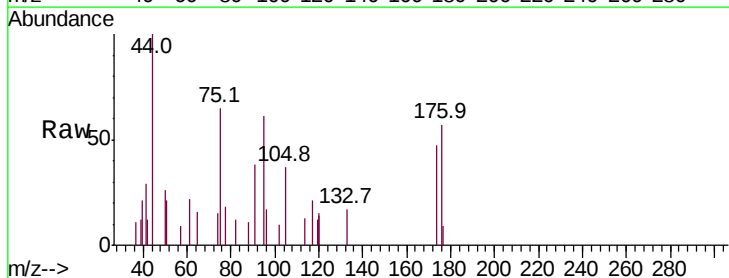
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.006 ppbv
 RT: 13.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 4:50

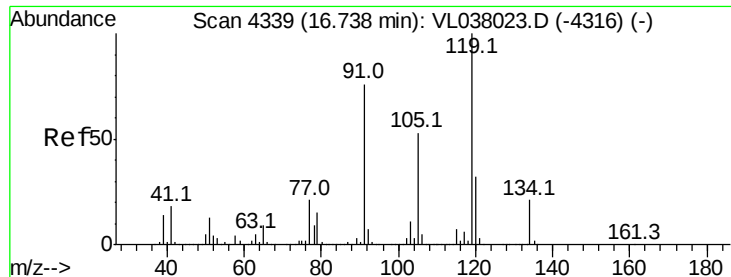
Tot Ion: 83 Resp: 1450
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 14.9#
 85 0.0 33.4 100.2#



#64
 n-propylbenzene
 Concen: 0.002 ppbv
 RT: 15.88 min Scan# 4072
 Delta R.T. 0.32 min
 Lab File: VL038028.D
 Acq: 16 Nov 2021 4:56

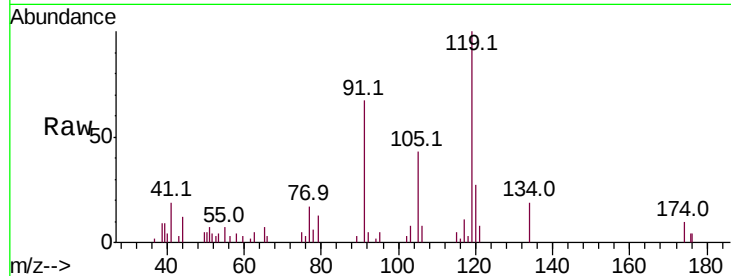
Tgt Ion:120 Resp: 165
 Ion Ratio Lower Upper
 120 100
 91 548.5 367.4 551.0



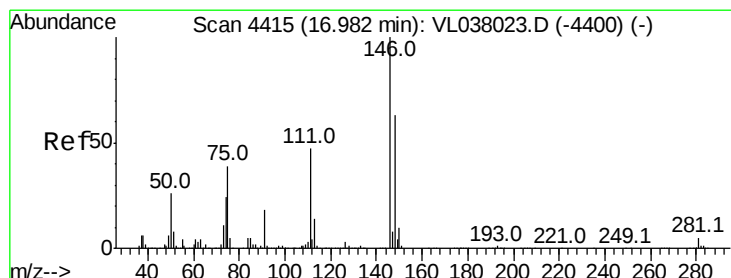
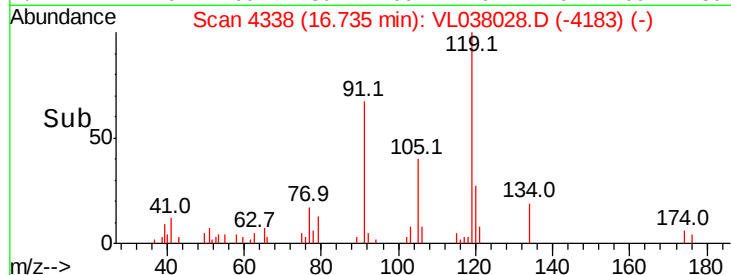
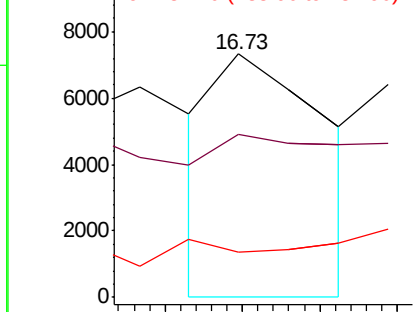


#65
 tert-Butylbenzene
 Concen: 0.011 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA.L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 4:56

Tot Ion: 119 Resp: 3605
 Ion Ratio Lower Upper
 119 100
 91 447.2 62.6 93.8#
 134 0.0 16.1 24.1#

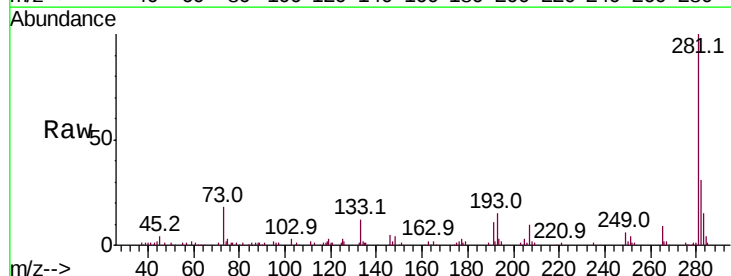


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

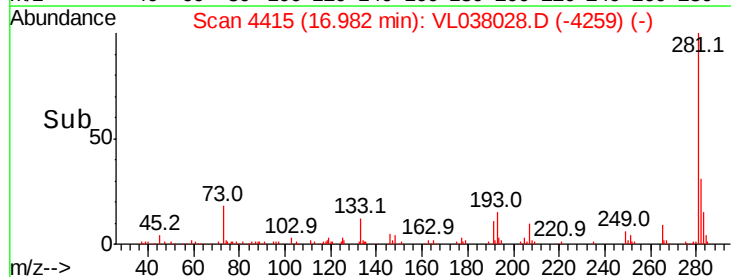
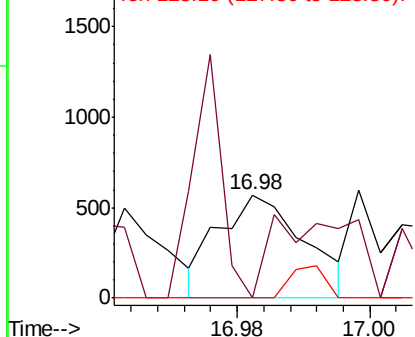


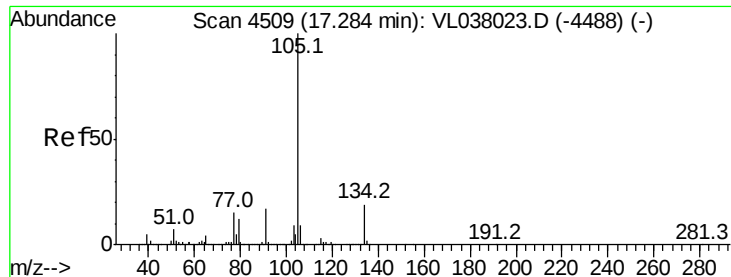
#66
 Benzyl Chloride
 Concen: 0.028 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.00 min
 Lab File: VL038028.D
 Acq: 16 Nov 2021 4:56

Tgt Ion: 91 Resp: 514
 Ion Ratio Lower Upper
 91 100
 126 174.9 16.4 24.6#
 128 0.0 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: 0.013 ppbv

RT: 17.28 min

Delta R.T. MSVOA_1

Lab File:

ClientSampleId:

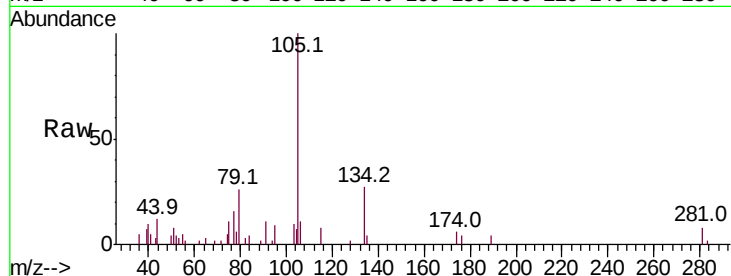
Acq: 16 Nov 2021 4:56

Tot Ion: 105 Resp: 6040

Ion Ratio Lower Upper

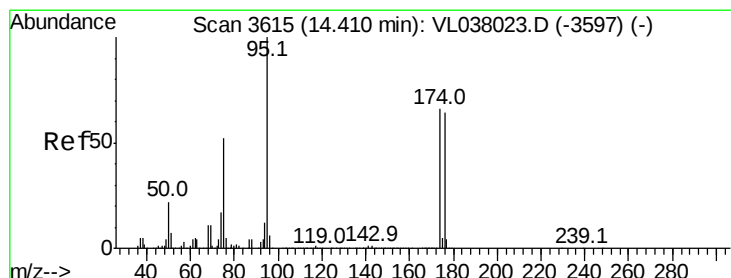
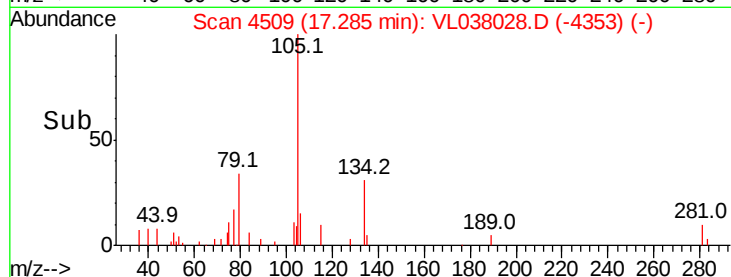
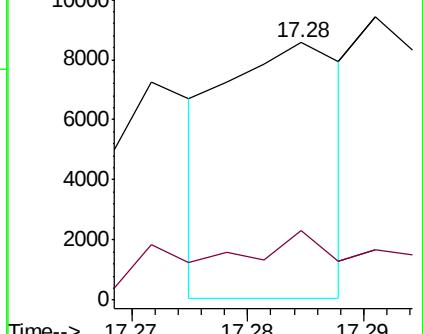
105 100

134 79.8 15.3 22.9#



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: 10.371 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

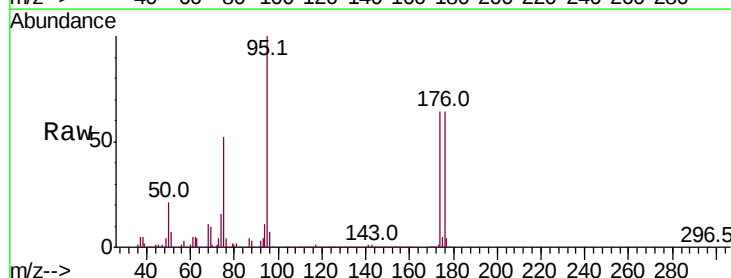
Tgt Ion: 95 Resp: 2006656

Ion Ratio Lower Upper

95 100

174 67.7 54.9 82.3

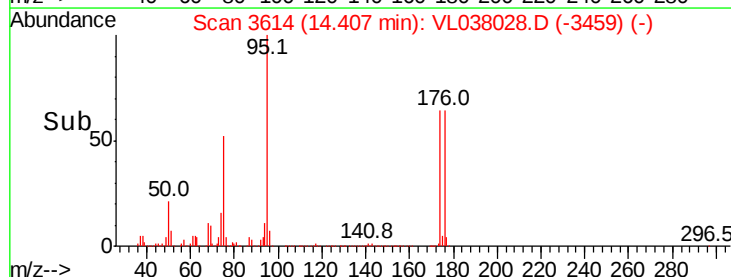
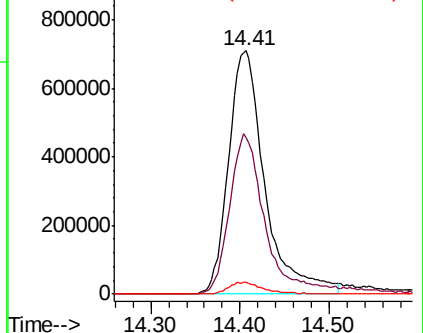
175 4.8 4.0 6.0

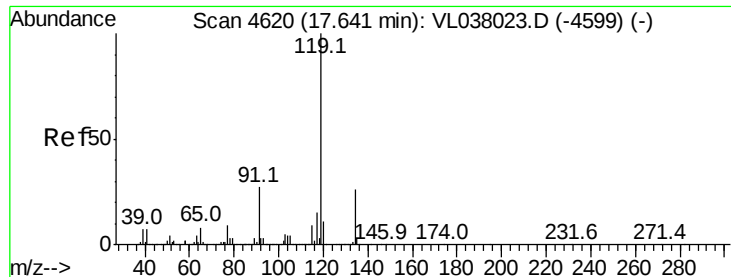


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

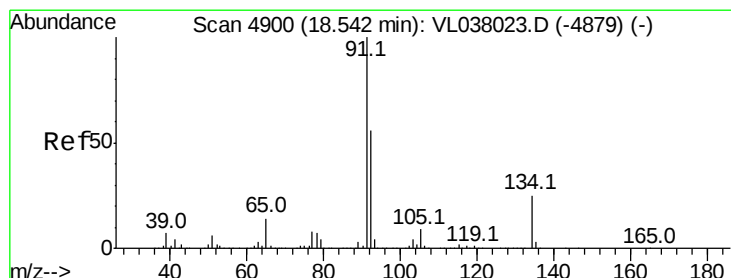
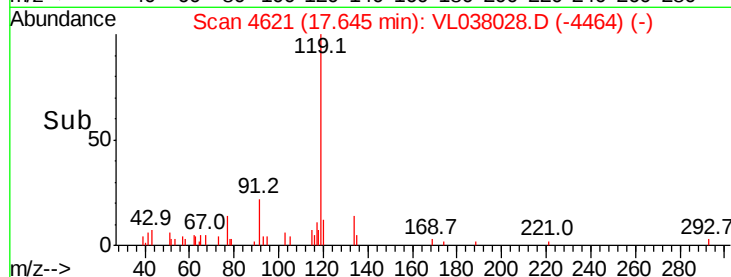
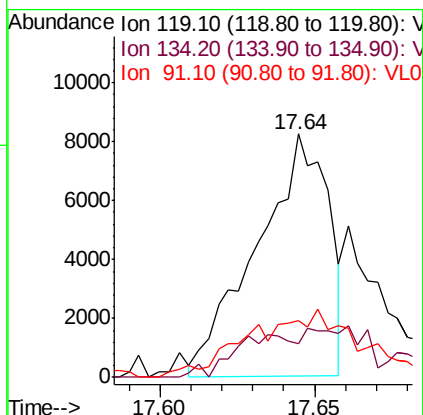
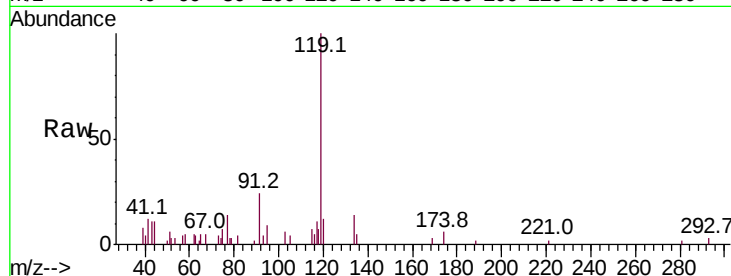
Ion 175.00 (174.70 to 175.70): V





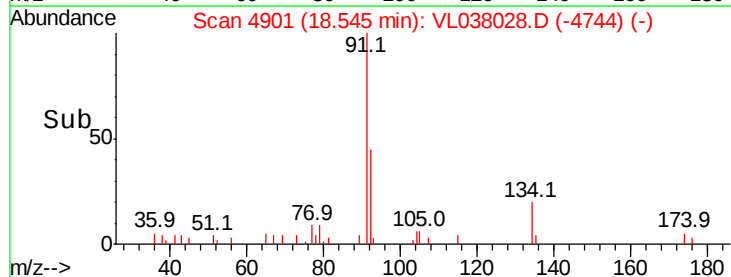
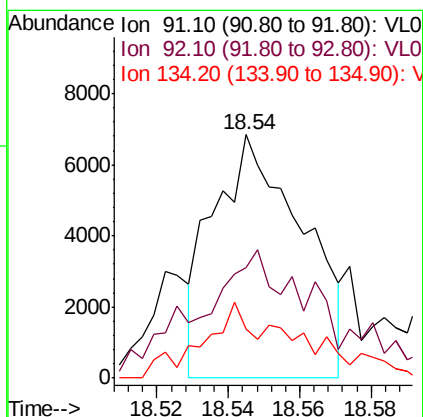
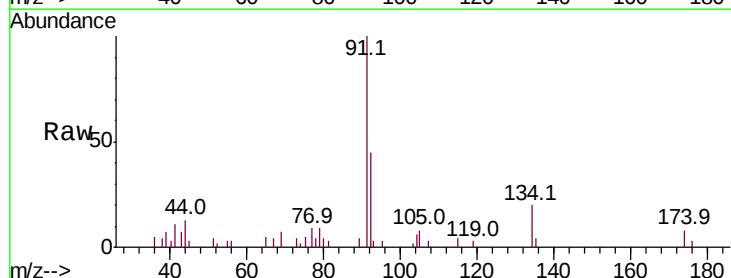
#69
 p-Isopropyltoluene
 Concen: 0.035 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 4:56

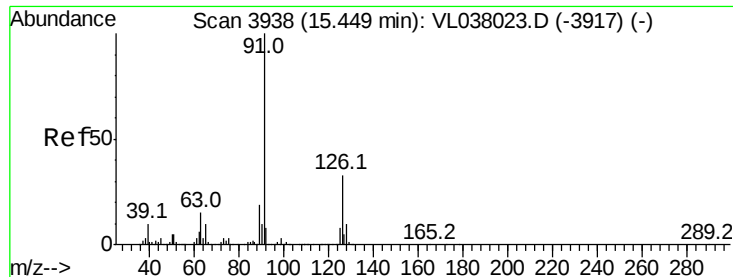
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	21.2	31.8#
91	49.8	22.2	33.2#



#70
 n-Butylbenzene
 Concen: 0.034 ppbv
 RT: 18.54 min Scan# 4901
 Delta R.T.: 0.00 min
 Lab File: VL038028.D
 Acq: 16 Nov 2021 4:56

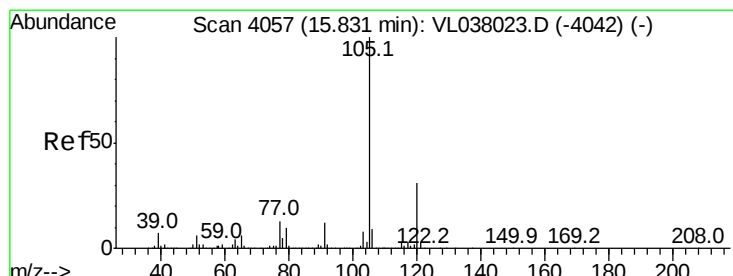
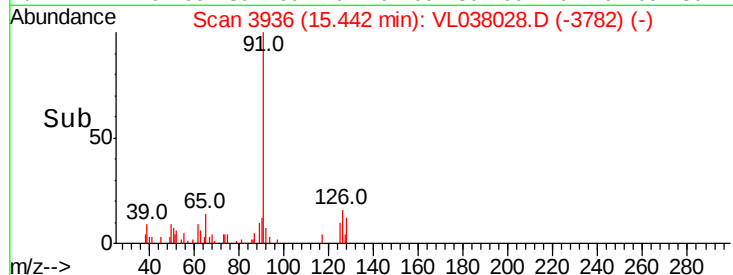
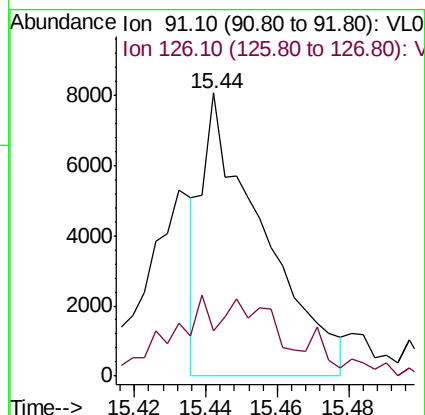
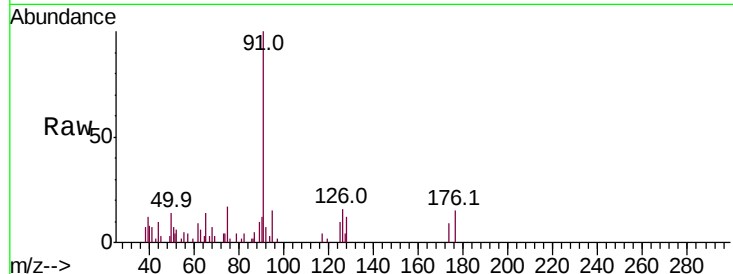
Tgt Ion	Ratio	Lower	Upper
91	100		
92	76.5	44.2	66.2#
134	34.3	19.7	29.5#





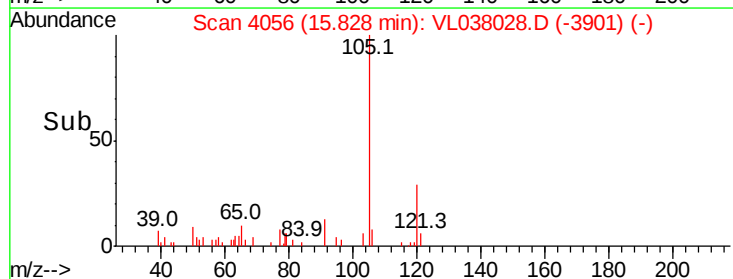
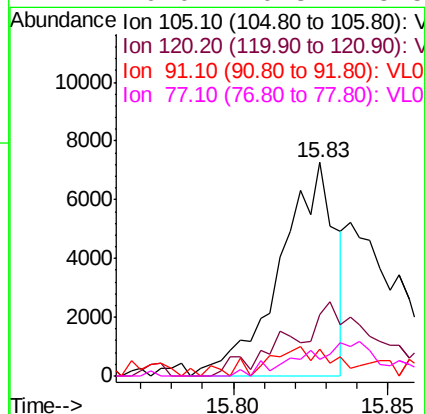
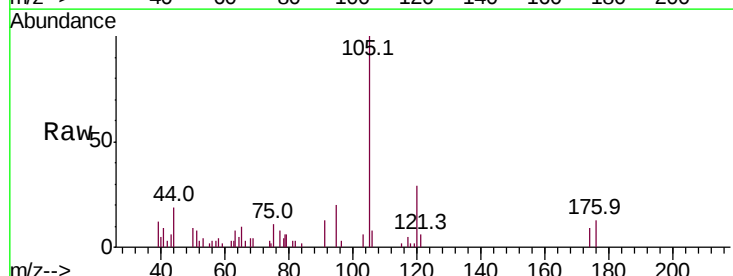
#71
 2-Chlorotoluene
 Concen: 0.035 ppbv
 RT: 15.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 4:58

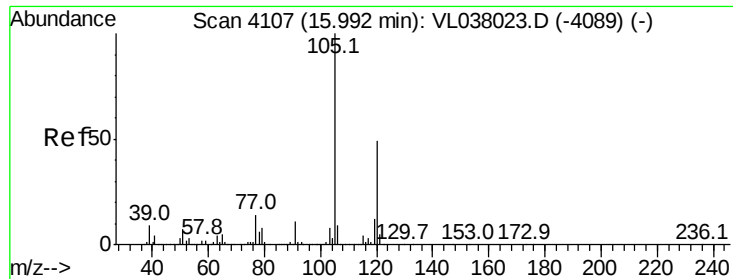
Tot Ion: 91 Resp: 9432
 Ion Ratio Lower Upper
 91 100
 126 53.4 13.5 54.1



#72
 4-Ethyltoluene
 Concen: 0.028 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. -0.00 min
 Lab File: VL038028.D
 Acq: 16 Nov 2021 4:56

Tgt Ion: 105 Resp: 9006
 Ion Ratio Lower Upper
 105 100
 120 58.8 24.6 36.8#
 91 17.7 9.3 13.9#
 77 0.0 10.3 15.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.013 ppbv

RT: 15.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

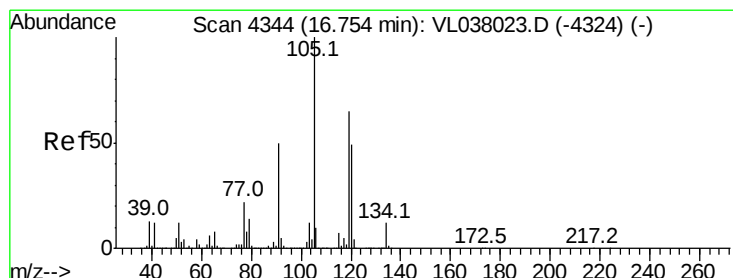
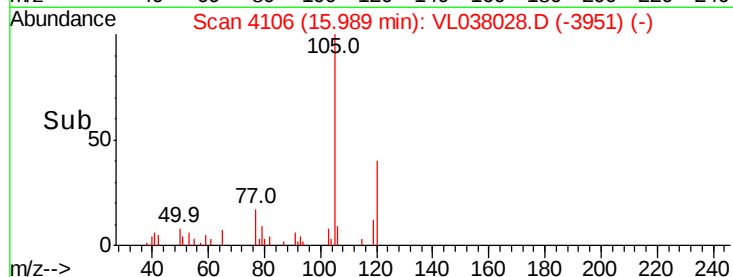
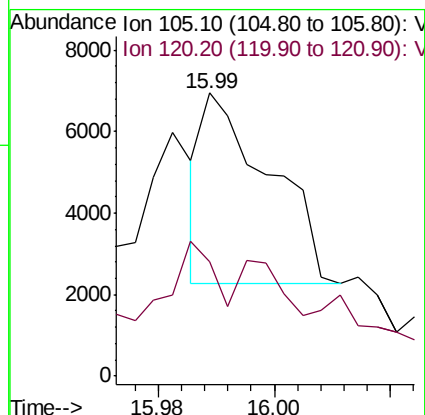
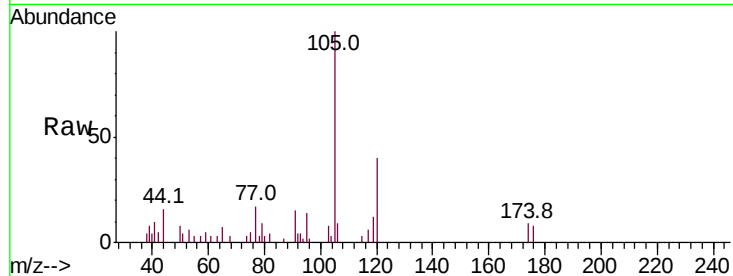
Acq: 16 Nov 2021 4:58

Tot Ion:105 Resp: 3740

Ion Ratio Lower Upper

105 100

120 17.5 38.8 58.2#



#74

1,2,4-Trimethylbenzene

Concen: 0.011 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

Tgt Ion:105 Resp: 3501

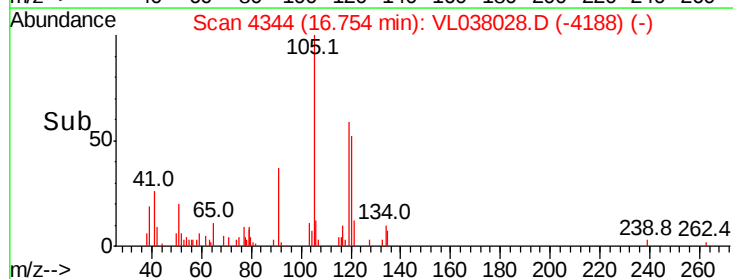
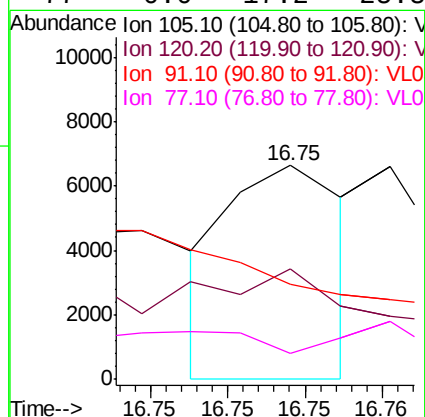
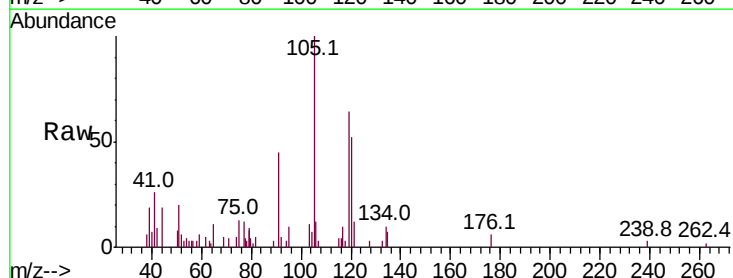
Ion Ratio Lower Upper

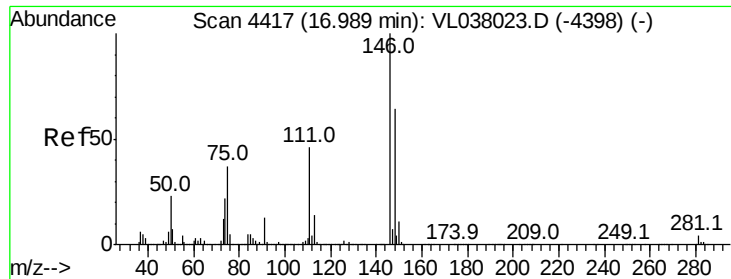
105 100

120 43.3 39.5 59.3

91 11.9 40.9 61.3#

77 0.0 17.2 25.8#





#75

1,3-Dichlorobenzene

Concen: 0.010 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 4:58

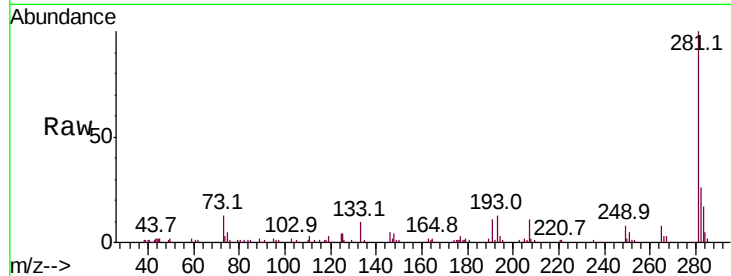
Tot Ion:146 Resp: 1952

Ion Ratio Lower Upper

146 100

111 0.0 23.1 69.3#

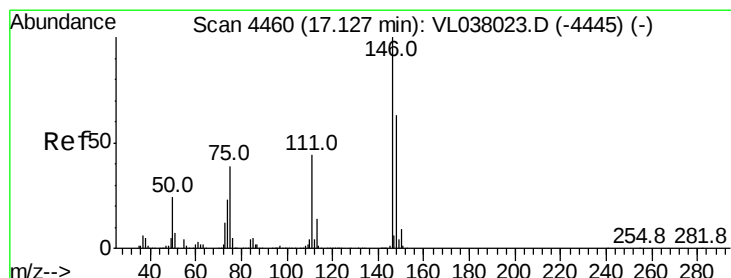
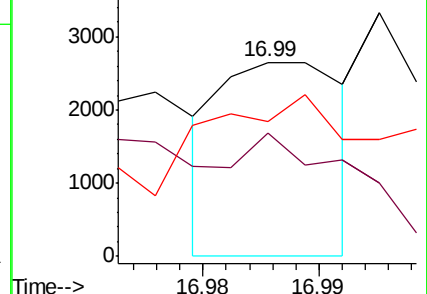
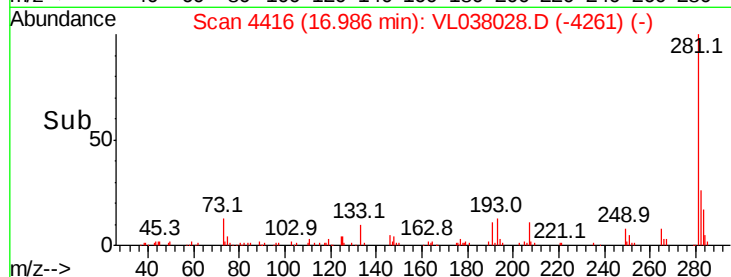
148 0.0 31.9 95.9#



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



#76

1,4-Dichlorobenzene

Concen: 0.017 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.01 min

Lab File: VL038028.D

Acq: 16 Nov 2021 4:56

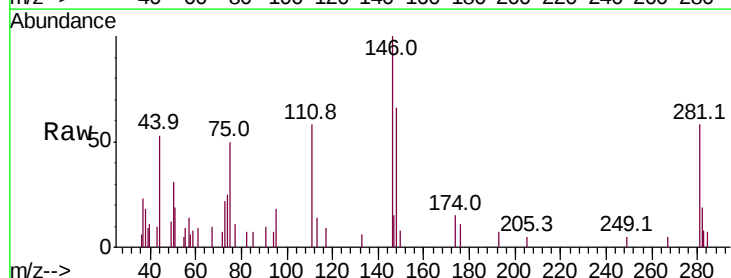
Tgt Ion:146 Resp: 3159

Ion Ratio Lower Upper

146 100

111 155.2 22.5 67.5#

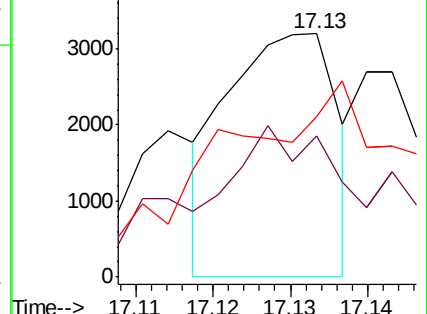
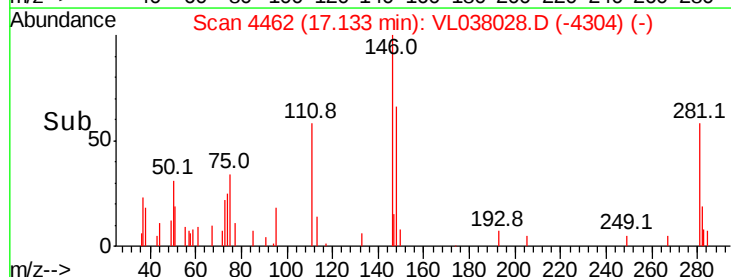
148 0.0 32.6 98.0#

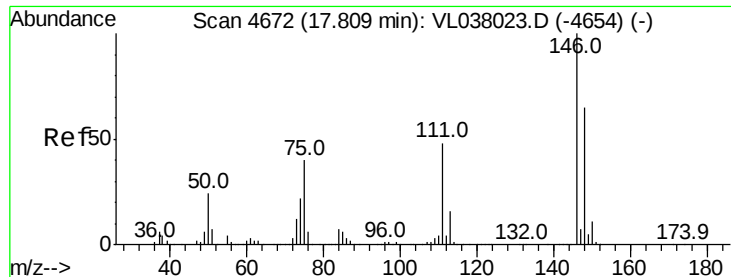


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

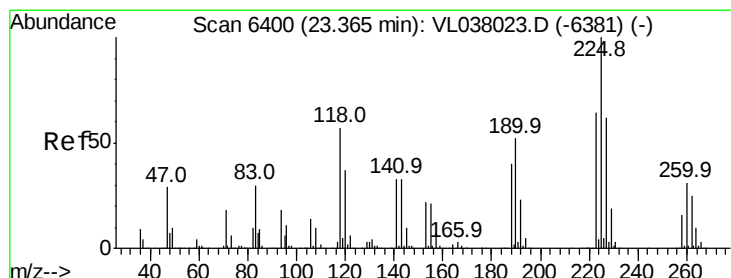
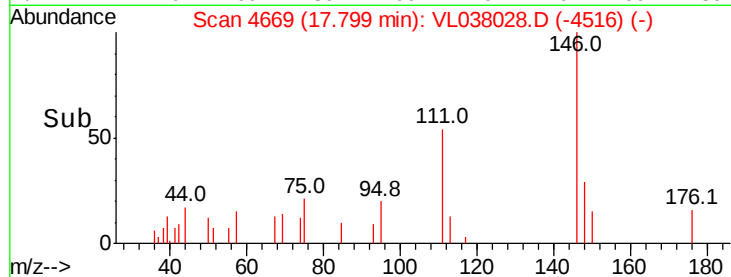
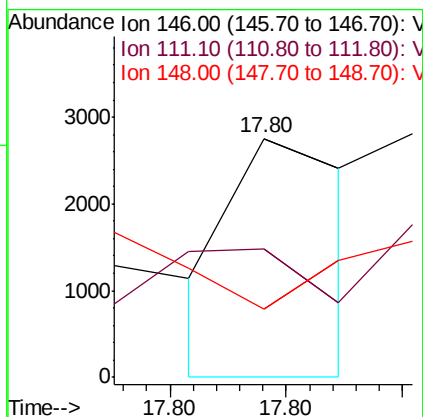
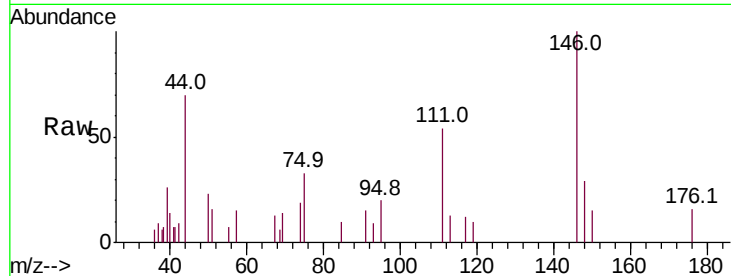
Ion 148.00 (147.70 to 148.70): V





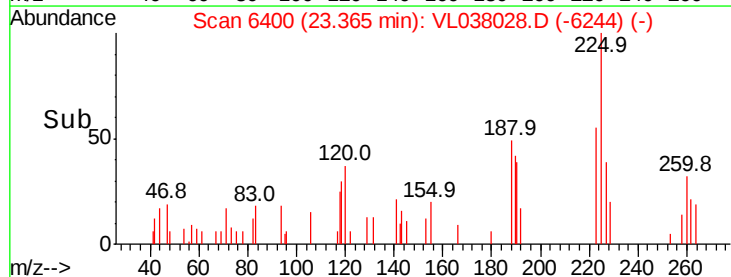
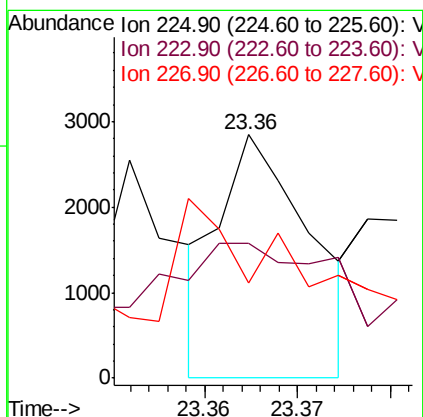
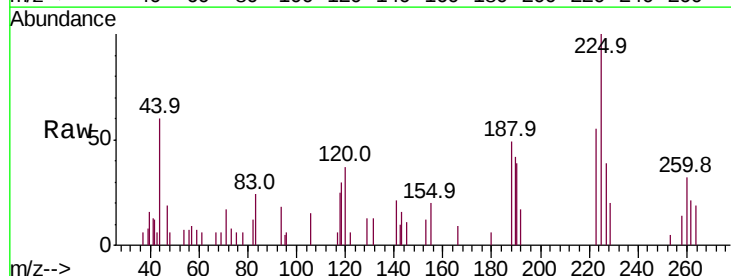
#77
 1,2-Dichlorobenzene
 Concen: 0.006 ppbv
 RT: 17.80 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 4:56

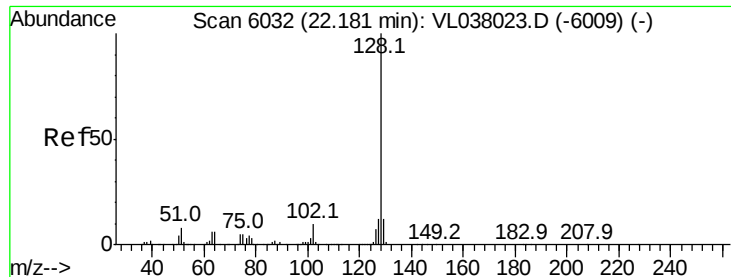
Tot Ion:	146	Resp:	994
Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.2	72.6#
148	0.0	32.5	97.5#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.013 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T.: 0.00 min
 Lab File: VL038028.D
 Acq: 16 Nov 2021 4:56

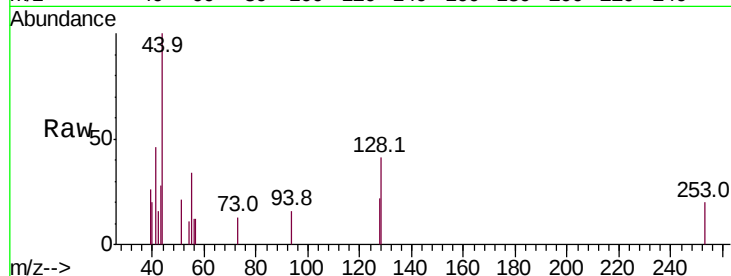
Tgt Ion:	225	Resp:	1928
Ion	Ratio	Lower	Upper
225	100		
223	188.7	51.0	76.4#
227	193.7	51.4	77.2#



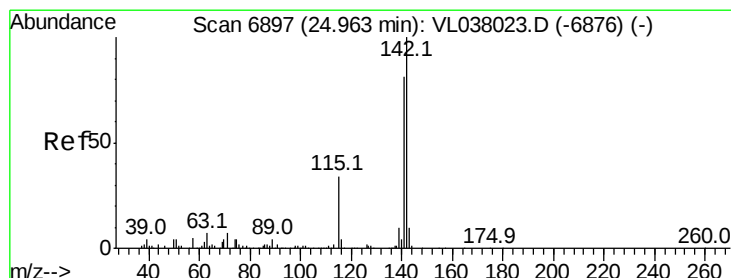
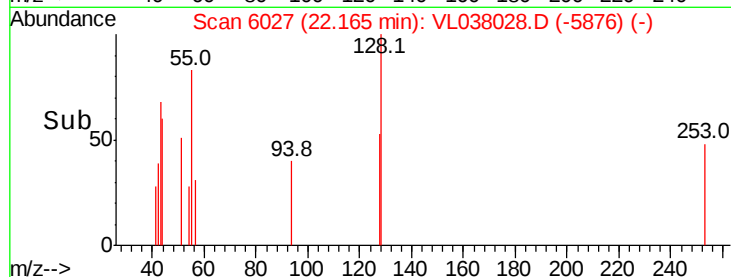
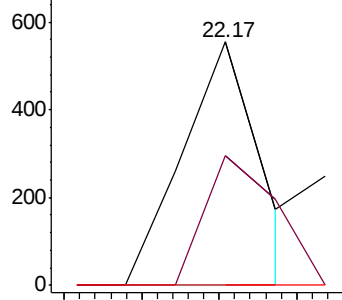


#79
Naphthalene
Concen: 0.001 ppbv
RT: 22.17 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 4:56

Tot Ion	Ratio	Lower	Upper
128	100		
127	53.2	9.8	14.6#
129	0.0	9.4	14.0#

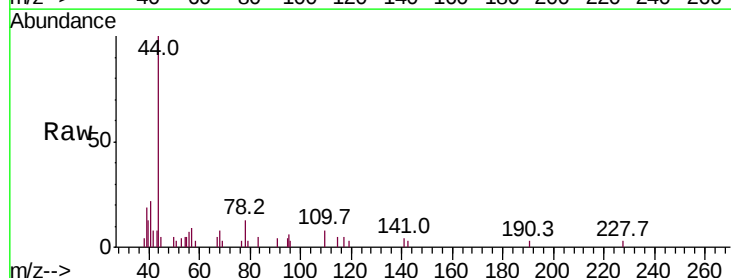


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

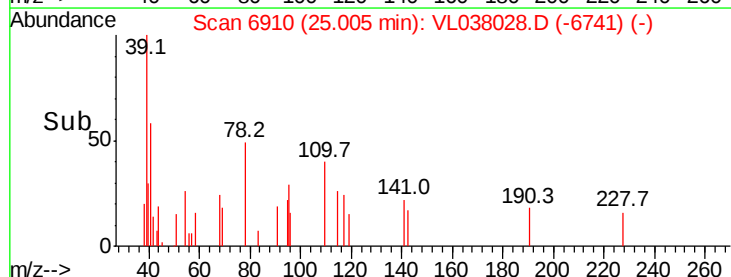
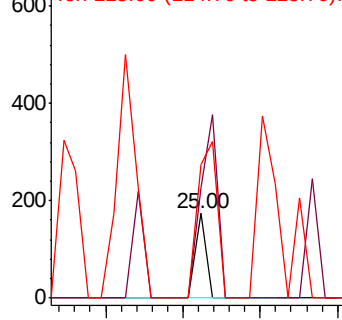


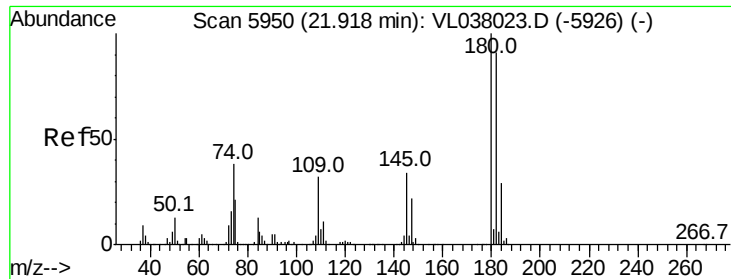
#80
Naphthalene, 2-methyl-
Concen: 0.001 ppbv
RT: 25.00 min Scan# 6910
Delta R.T.: 0.04 min
Lab File: VL038028.D
Acq: 16 Nov 2021 4:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	467.6	73.4	110.0#
115	1647.1	28.1	42.1#



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: 0.003 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 4:38

Tot Ion:	180	Resp:	361
Ion Ratio	Lower	Upper	
180	100		
182	0.0	78.8	118.2#
184	69.5	24.3	36.5#

