

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038961.D
 Acq On : 5 May 2022 5:16
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: May 05 07:23:38 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 04:53:24 2022
 QLast Update : Thu May 05 04:53:24 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1345675	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3188339	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2693755	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2138428	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	25906	0.119	ppbv 89
3) Chlorodifluoromethane	2.99	51	20210	0.085	ppbv 99
4) Chloromethane	3.14	50	5322	0.060	ppbv 96
5) Vinyl Chloride	3.26	62	7907	0.088	ppbv 96
6) Bromomethane	3.47	94	1821	0.038	ppbv # 47
7) Chloroethane	3.55	64	2107	0.069	ppbv # 82
8) Dichlorotetrafluoroethane	3.19	85	22987	0.111	ppbv 98
10) Heptane	8.11	43	9499	0.048	ppbv # 22
11) Trichlorofluoromethane	3.95	101	16436	0.076	ppbv # 82
12) 1,1,2-Trichlorotrifluoroet	4.48	101	12765	0.091	ppbv # 79
13) Ethanol	3.62	45	558	0.066	ppbv # 16
14) Bromoethene	3.74	108	4060	0.070	ppbv # 47
16) 1,3-Butadiene	3.33	39	5996	0.068	ppbv # 61
18) 1,1-Dichloroethene	4.29	96	2683	0.043	ppbv # 33
20) Methylene Chloride	4.35	84	6461	0.108	ppbv # 87
21) Allyl Chloride	4.41	41	5327	0.052	ppbv # 1
24) 1,1-Dichloroethane	5.01	63	8102	0.052	ppbv # 81
25) Ethyl Acetate	5.69	43	20349	0.065	ppbv # 77
26) Hexane	5.68	57	9044	0.063	ppbv # 9
31) cis-1,2-Dichloroethene	5.54	61	7570	0.054	ppbv 91
32) 1,1,1-Trichloroethane	6.51	97	13291	0.057	ppbv # 47
36) Benzene	6.88	78	12466	0.043	ppbv 95
37) 1,2-Dichloroethane	6.30	62	15534	0.089	ppbv 98
38) Trichloroethene	7.82	130	5743	0.049	ppbv # 57
39) 1,2-Dichloropropane	7.17	63	891114	7.562	ppbv # 27
42) Bromodichloromethane	7.78	83	11601	0.049	ppbv # 96
44) 2,2,4-Trimethylpentane	7.86	57	24450	0.048	ppbv # 29
47) 1,1,2-Trichloroethane	9.47	97	6163	0.051	ppbv # 82
48) Dibromochloromethane	10.29	129	6822	0.037	ppbv # 5
52) Tetrachloroethene	11.21	164	5772	0.054	ppbv # 63
57) Chlorobenzene	12.13	112	14501	0.064	ppbv # 45
59) m/p-Xylene	12.99	91	16305	0.048	ppbv # 33
60) o-Xylene	13.68	91	22351	0.068	ppbv 75
61) Styrene	13.52	104	6507	0.040	ppbv # 4
63) 1,1,2,2-Tetrachloroethane	13.67	83	7927	0.032	ppbv # 1
65) tert-Butylbenzene	16.73	119	12958	0.033	ppbv # 15
67) sec-Butylbenzene	17.28	105	45605	0.083	ppbv # 89
69) p-Isopropyltoluene	17.63	119	15067	0.035	ppbv # 47
70) n-Butylbenzene	18.52	91	14040	0.031	ppbv # 33
71) 2-Chlorotoluene	15.44	91	21995	0.066	ppbv # 45
72) 4-Ethyltoluene	15.82	105	15654	0.044	ppbv # 49

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: May 05 07:23:38 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 04:53:24 2022
QLast Update : Thu May 05 04:53:24 2022
Response via : Initial Calibration

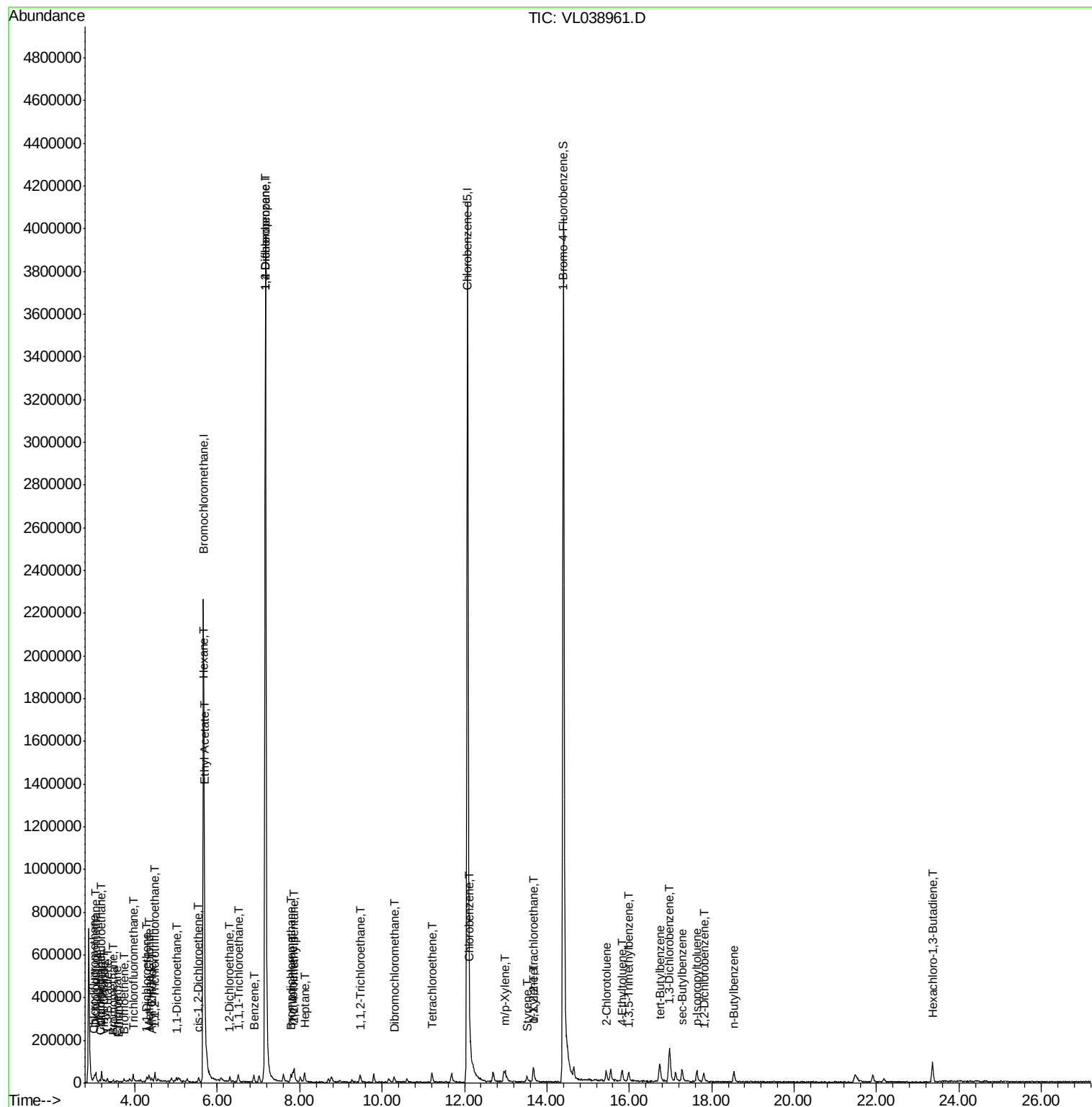
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.99	105	27790	0.083	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	10604	0.052	ppbv #	19
77) 1,2-Dichlorobenzene	17.81	146	12999	0.068	ppbv #	50
78) Hexachloro-1,3-Butadiene	23.35	225	8077	0.047	ppbv #	18

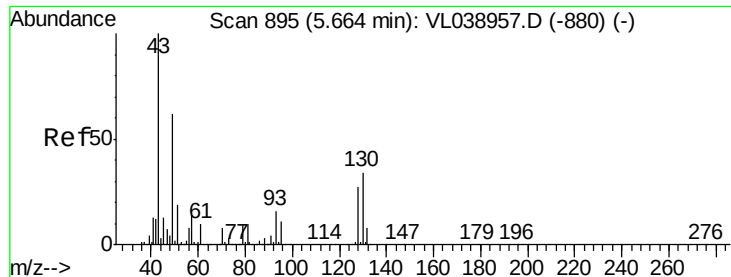
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
ClientSampleId :
VSTDIC0.1

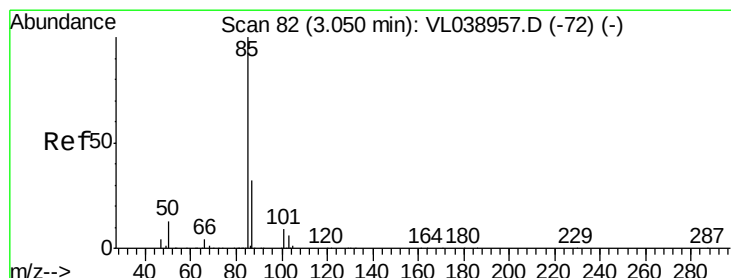
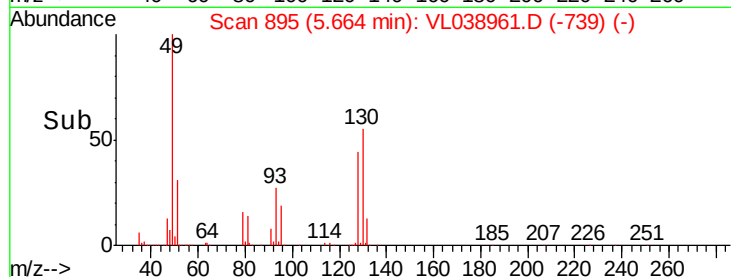
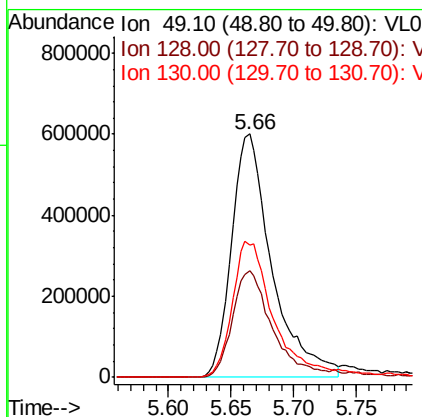
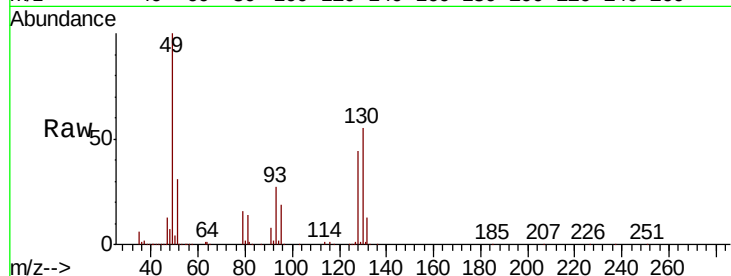
Quant Time: May 05 07:23:38 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
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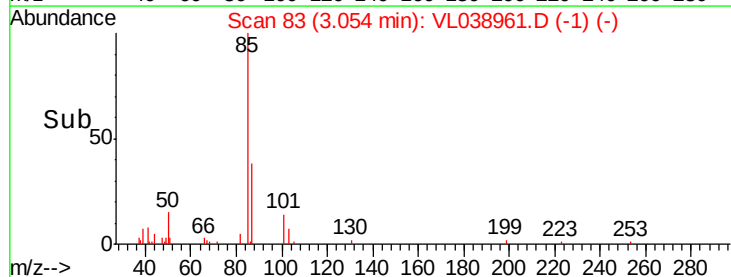
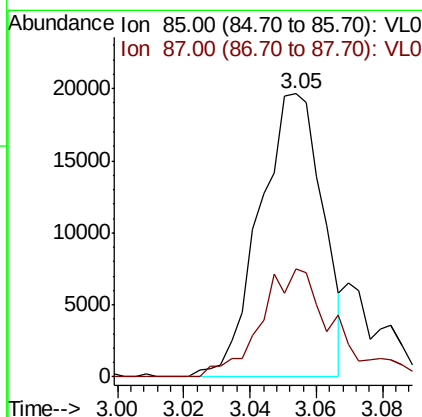
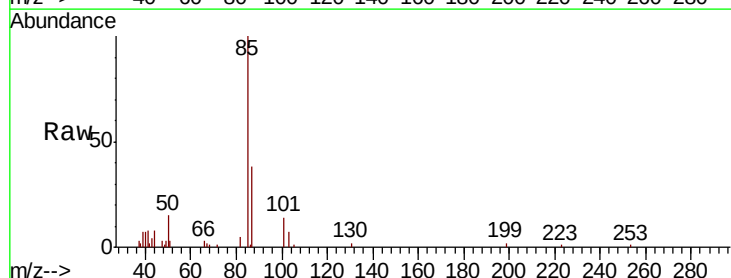
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC0.1
 Acq: 5 May 2022 5:10

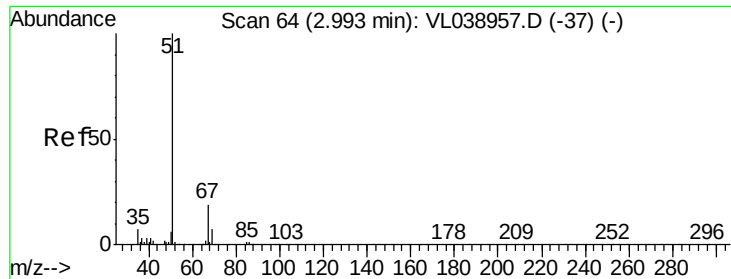
Tot Ion: 49 Resp: 1345675
 Ion Ratio Lower Upper
 49 100
 128 46.5 23.3 69.8
 130 60.0 29.8 89.3



#2
 Dichlorodifluoromethane
 Concen: 0.119 ppbv
 RT: 3.05 min Scan# 83
 Delta R.T.: 0.00 min
 Lab File: VL038961.D
 Acq: 5 May 2022 5:16

Tgt Ion: 85 Resp: 25906
 Ion Ratio Lower Upper
 85 100
 87 38.2 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.085 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VSTDIC0.1

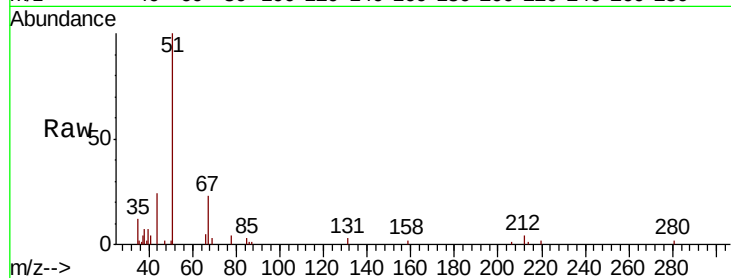
Acq: 5 May 2022 5:10

Tot Ion: 51 Resp: 20210

Ion Ratio Lower Upper

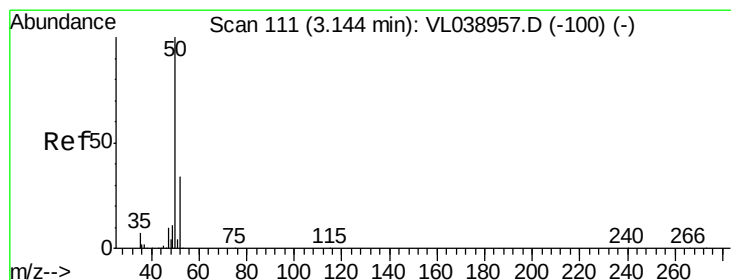
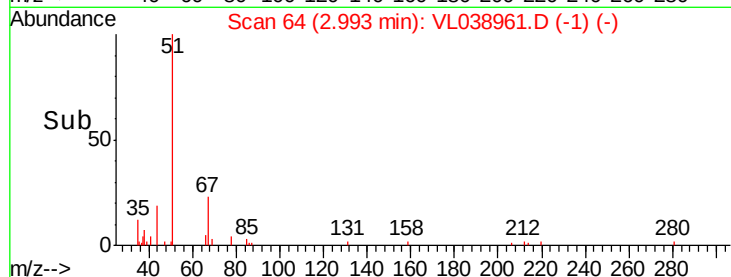
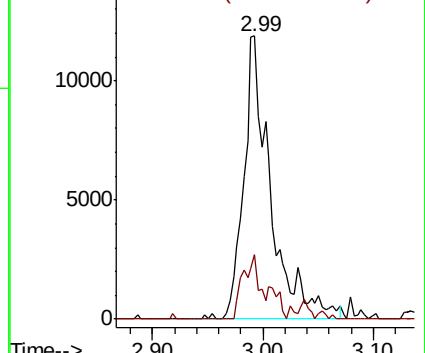
51 100

67 19.6 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.060 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038961.D

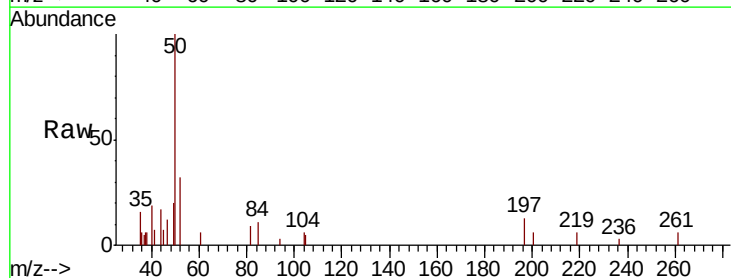
Acq: 5 May 2022 5:16

Tgt Ion: 50 Resp: 5322

Ion Ratio Lower Upper

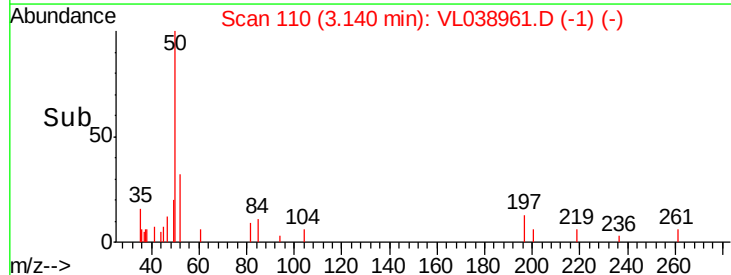
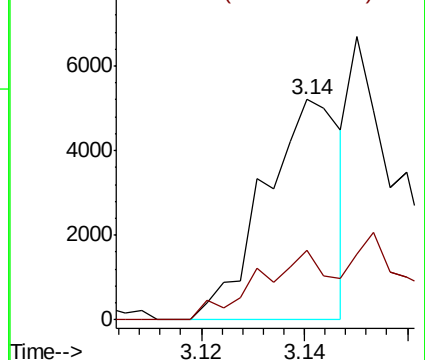
50 100

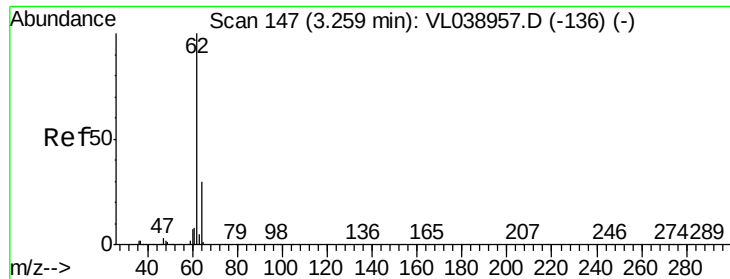
52 31.8 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.088 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

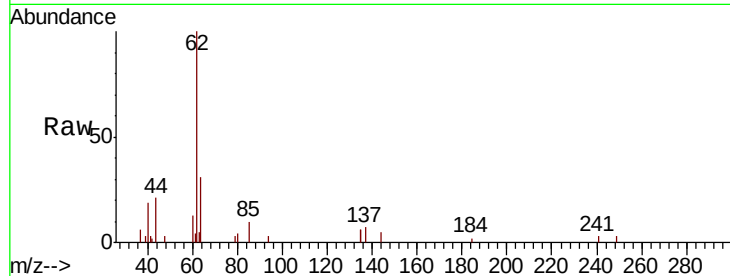
Acq: 5 May 2022 5:16 VSTDIC01

Tot Ion: 62 Resp: 7907

Ion Ratio Lower Upper

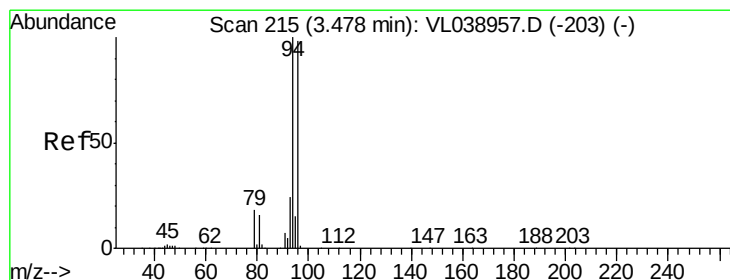
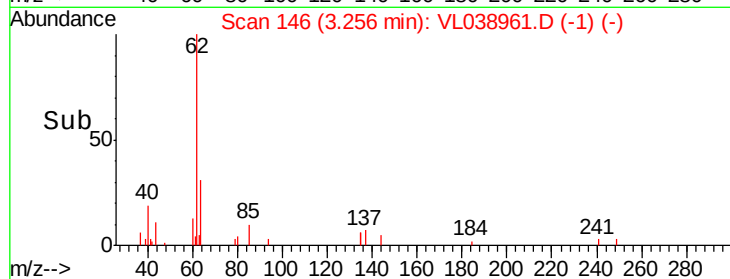
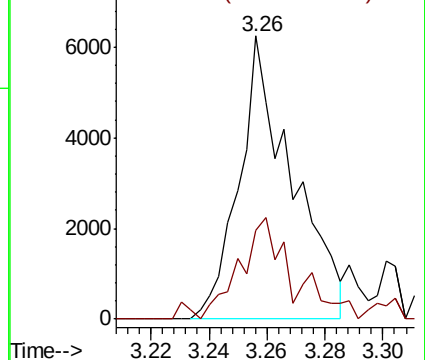
62 100

64 28.0 24.2 36.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.038 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL038961.D

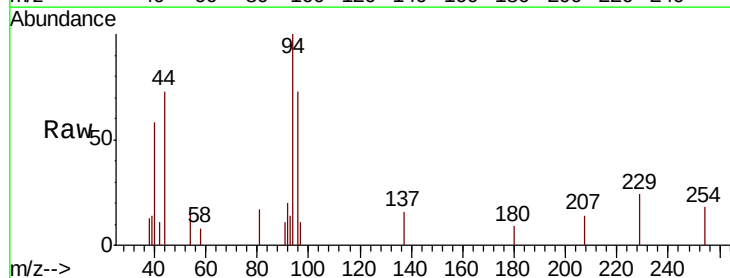
Acq: 5 May 2022 5:16

Tgt Ion: 94 Resp: 1821

Ion Ratio Lower Upper

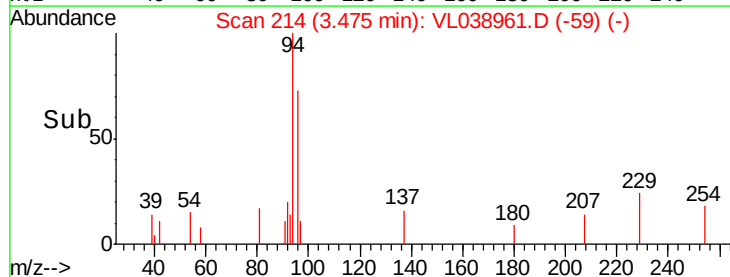
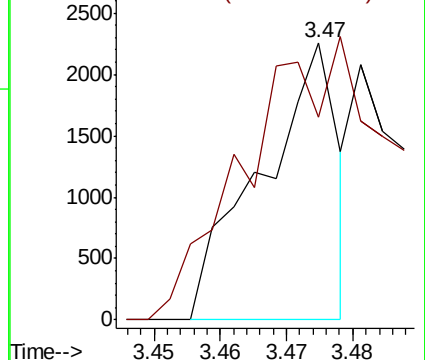
94 100

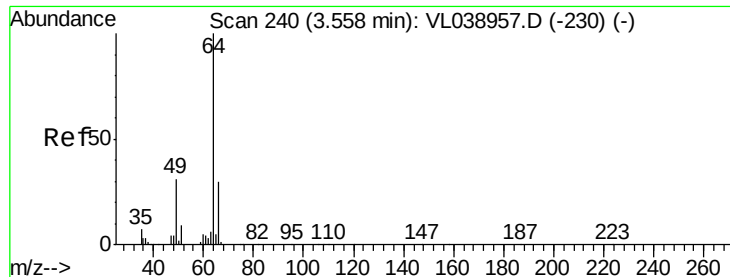
96 45.6 78.1 117.1#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.069 ppbv

RT: 3.55 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDIC01

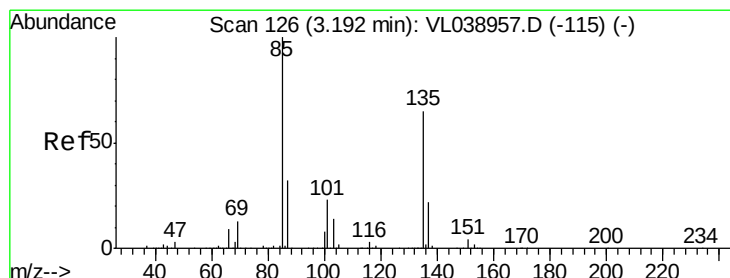
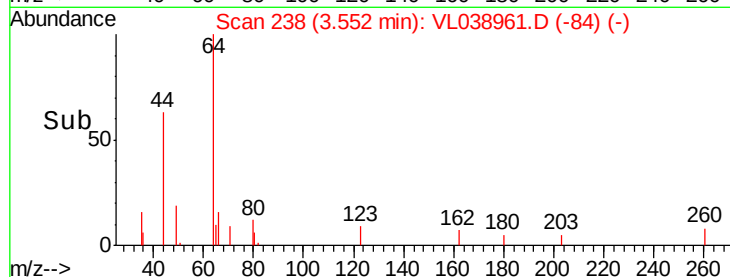
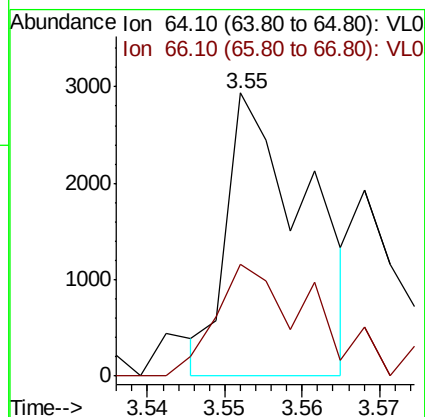
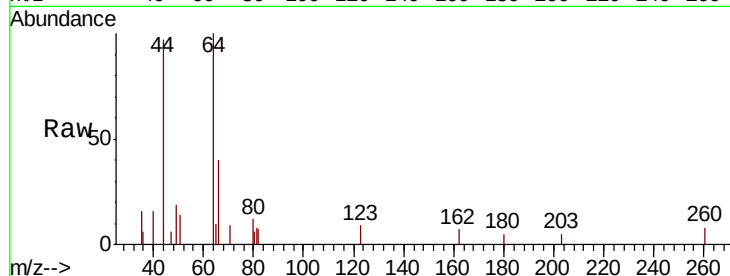
Acq: 5 May 2022 5:16

Tot Ion: 64 Resp: 2107

Ion Ratio Lower Upper

64 100

66 39.7 23.8 35.8#



#8

Dichlorotetrafluoroethane

Concen: 0.111 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038961.D

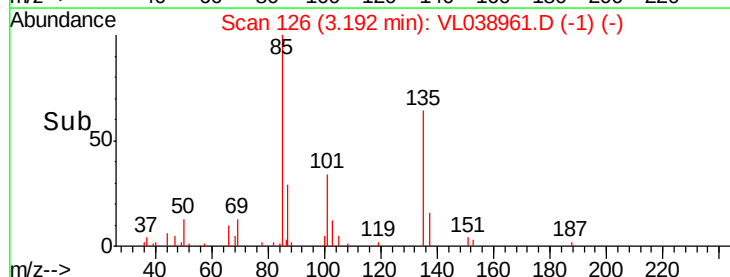
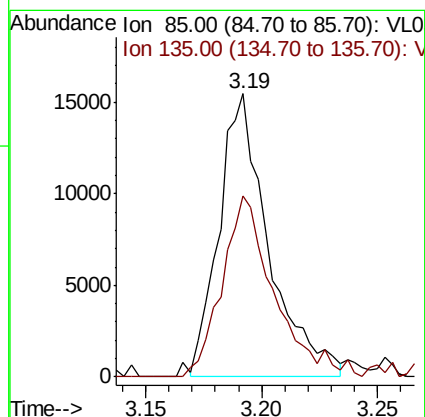
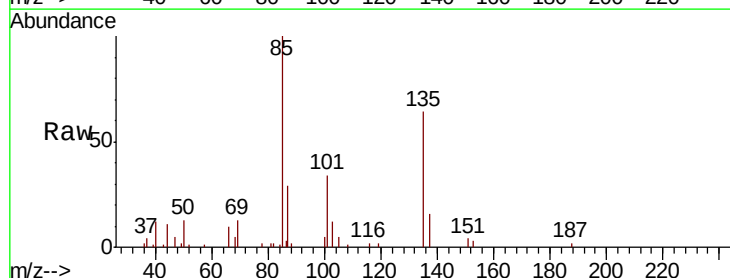
Acq: 5 May 2022 5:16

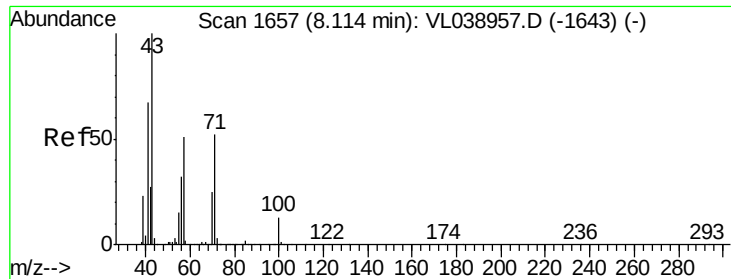
Tgt Ion: 85 Resp: 22987

Ion Ratio Lower Upper

85 100

135 68.7 53.6 80.4





#10

Heptane

Concen: 0.048 ppbv

RT: 8.11 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

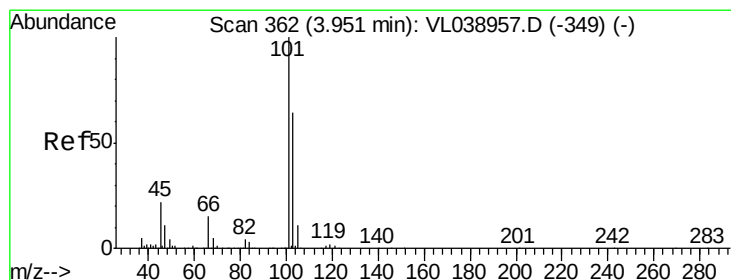
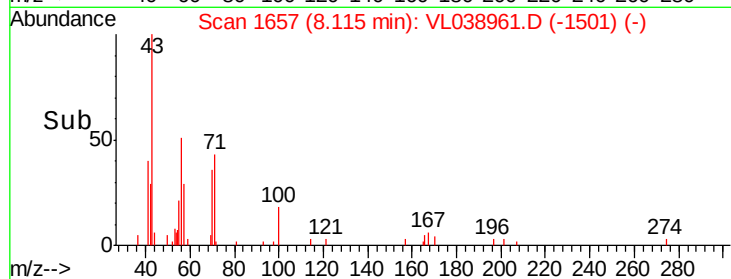
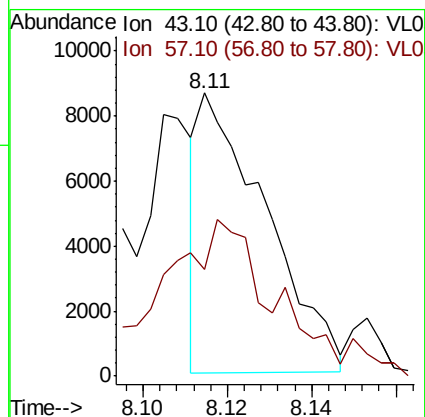
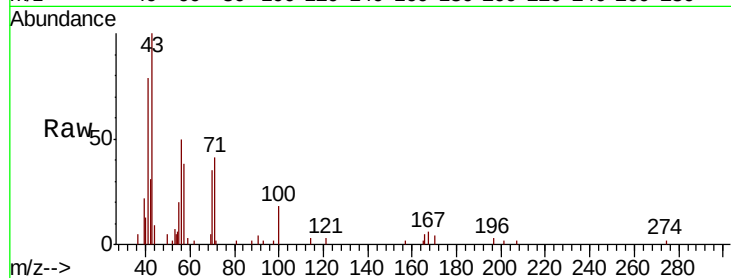
Acq: 5 May 2022 5:16 VSTDIC0.1

Tot Ion: 43 Resp: 9499

Ion Ratio Lower Upper

43 100

57 104.6 40.5 60.7#



#11

Trichlorofluoromethane

Concen: 0.076 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VL038961.D

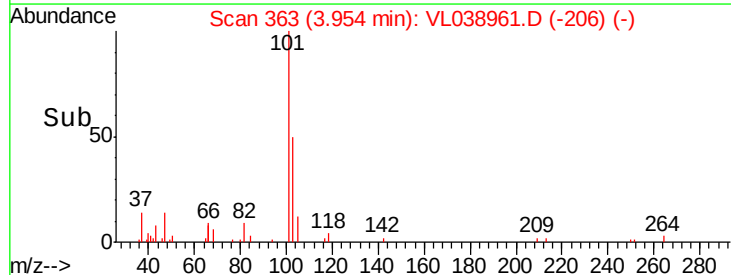
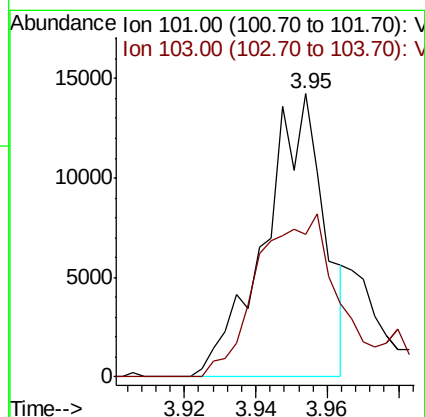
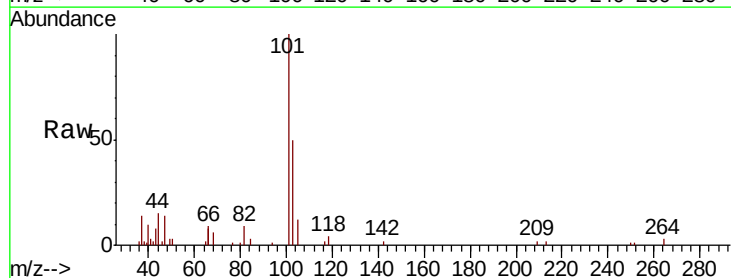
Acq: 5 May 2022 5:16

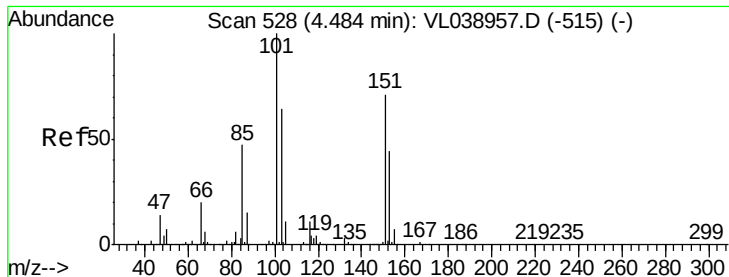
Tgt Ion:101 Resp: 16436

Ion Ratio Lower Upper

101 100

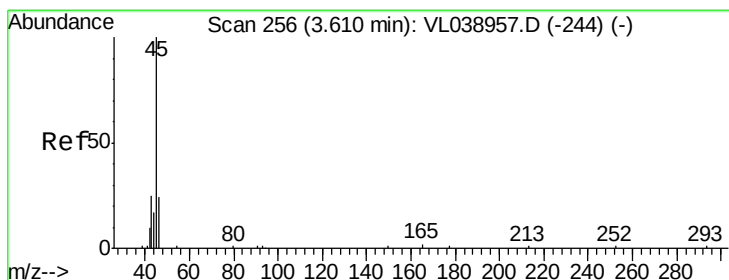
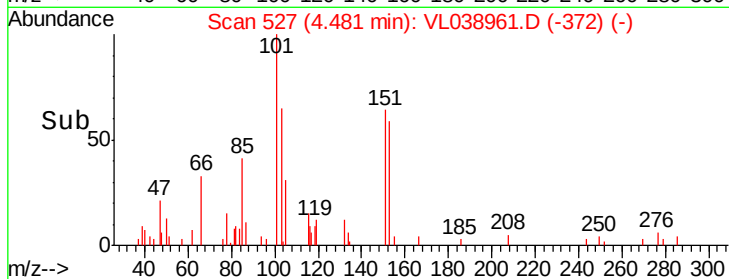
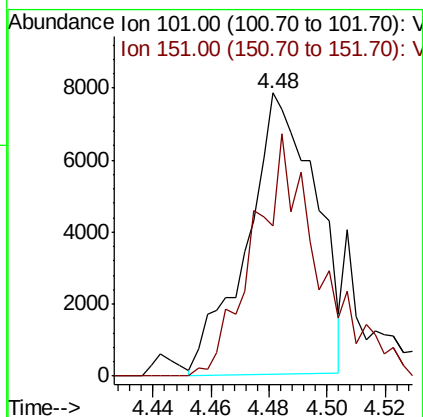
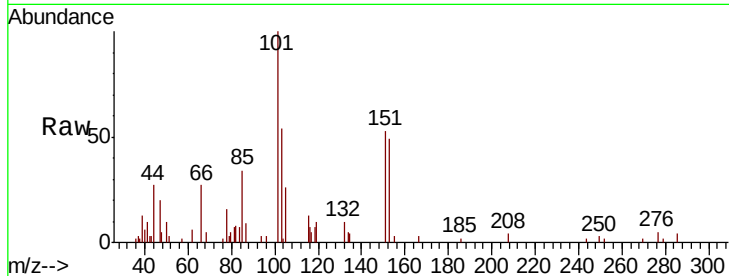
103 50.4 51.5 77.3#





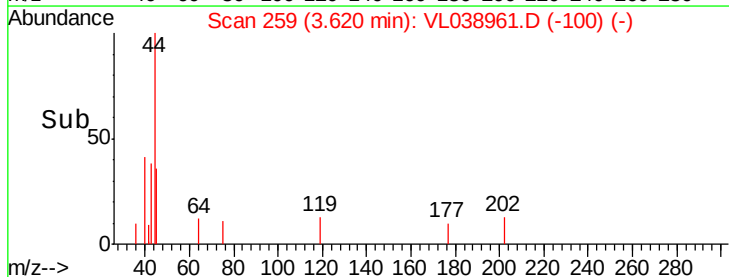
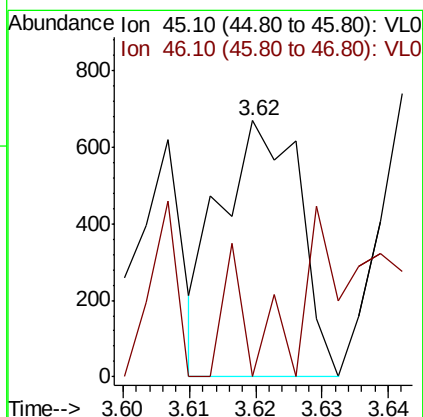
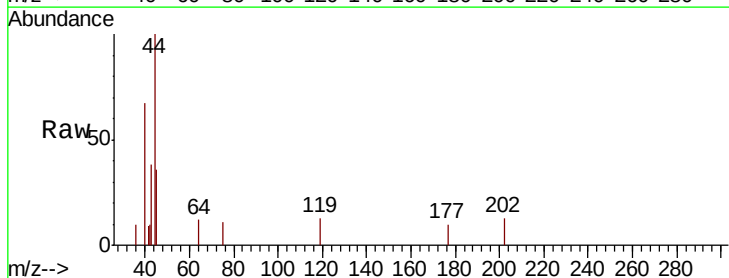
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.091 ppbv
 RT: 4.48
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 5 May 2022 5:16

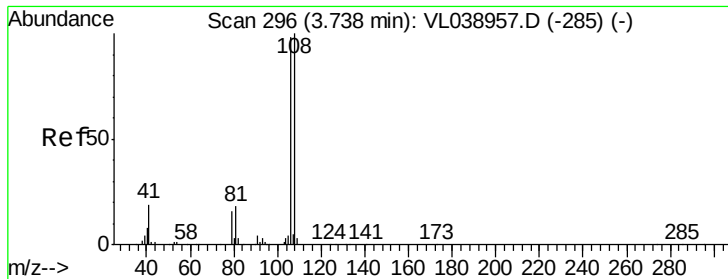
Tot Ion:101 Resp: 12765
 Ion Ratio Lower Upper
 101 100
 151 86.3 55.4 83.0#



#13
 Ethanol
 Concen: 0.066 ppbv
 RT: 3.62 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VL038961.D
 Acq: 5 May 2022 5:16

Tgt Ion: 45 Resp: 558
 Ion Ratio Lower Upper
 45 100
 46 100.4 18.0 72.2#





#14

Bromoethene

Concen: 0.070 ppbv

RT: 3.74 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 5 May 2022 5:16

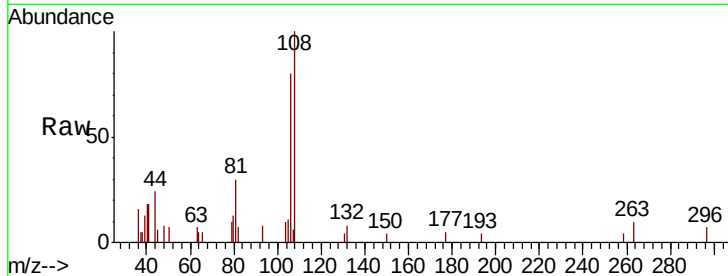
Tot Ion:108 Resp: 4060

Ion Ratio Lower Upper

108 100

106 174.7 90.3 135.5#

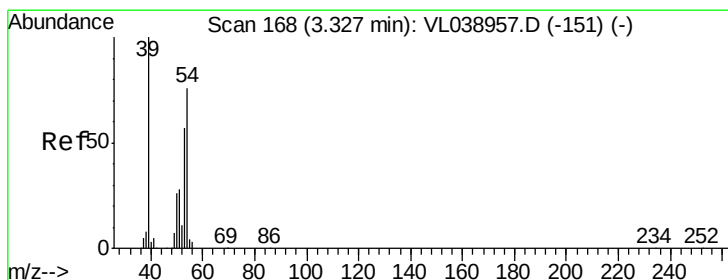
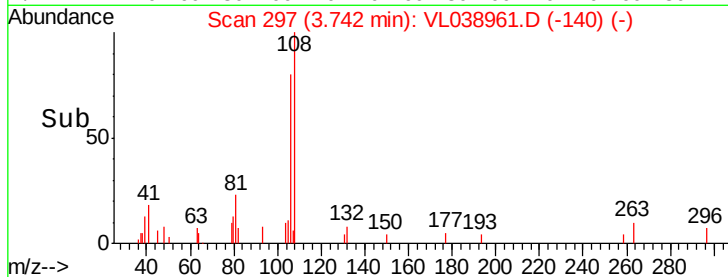
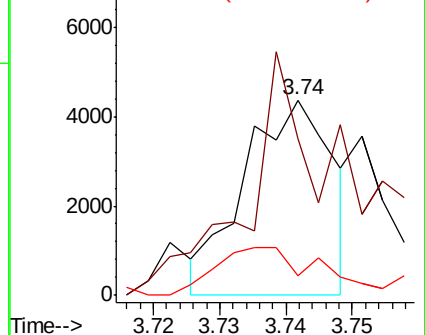
79 30.6 14.9 22.3#



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0



#16

1,3-Butadiene

Concen: 0.068 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL038961.D

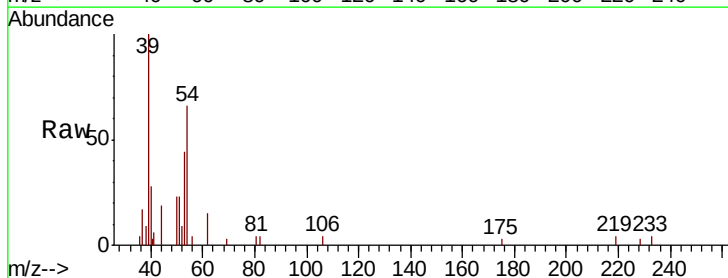
Acq: 5 May 2022 5:16

Tgt Ion: 39 Resp: 5996

Ion Ratio Lower Upper

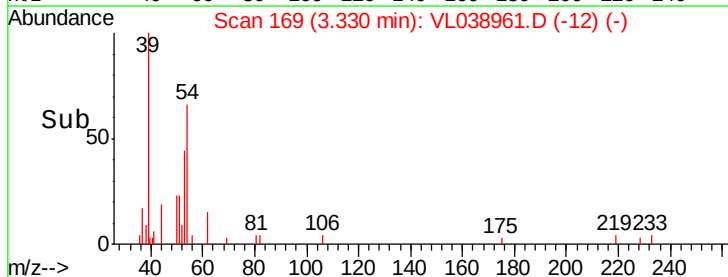
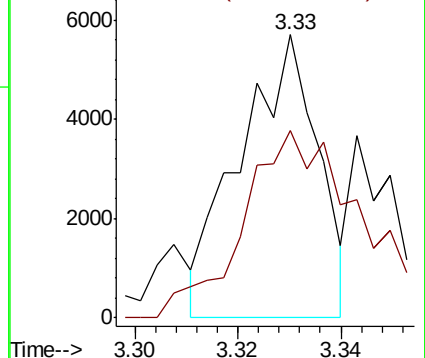
39 100

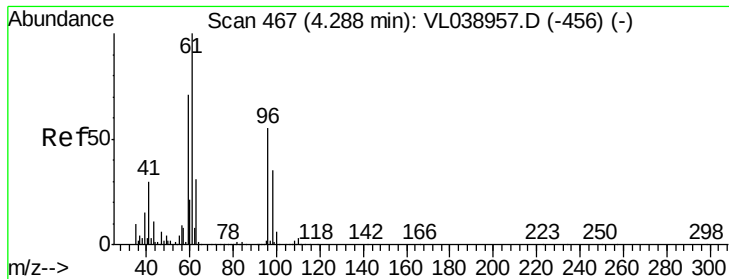
54 115.9 65.2 97.8#



Abundance Ion 39.10 (38.80 to 39.80): VL0

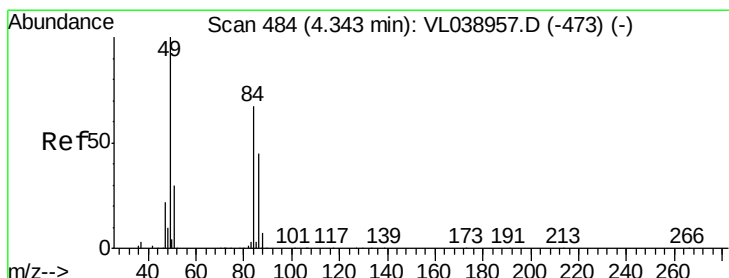
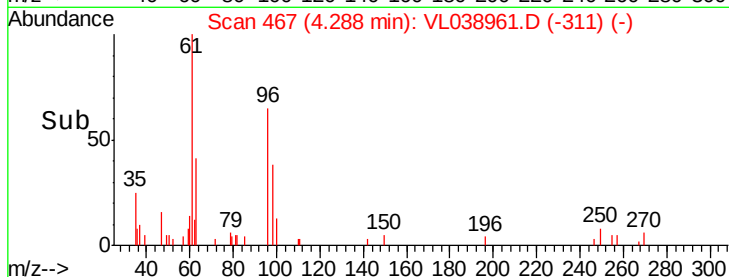
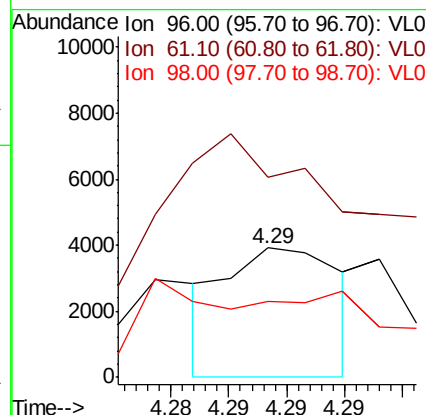
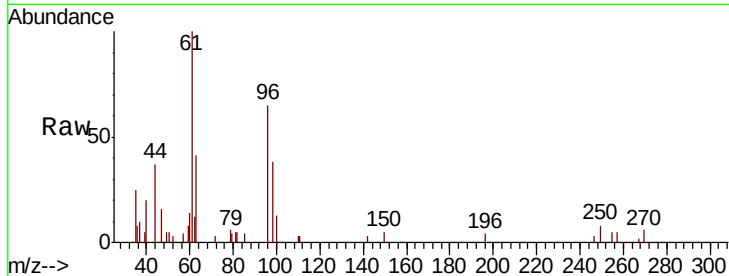
Ion 54.10 (53.80 to 54.80): VL0





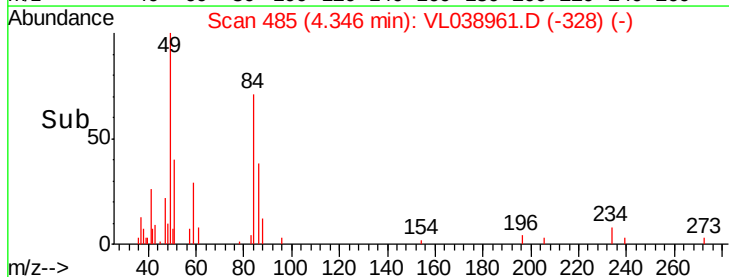
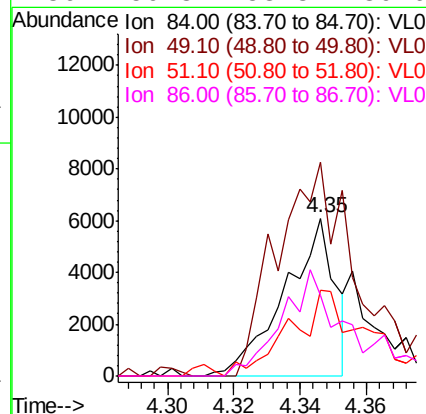
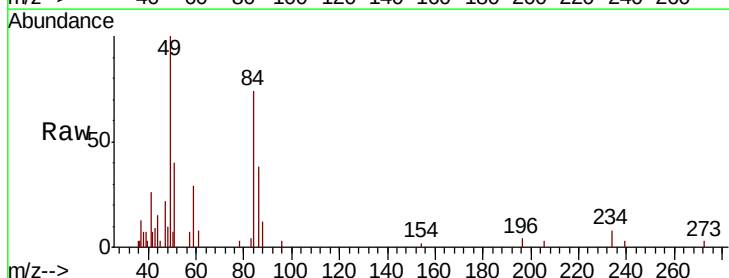
#18
 1,1-Dichloroethene
 Concen: 0.043 ppbv
 RT: 4.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VSTDIC0.1
 Acq: 5 May 2022 5:10

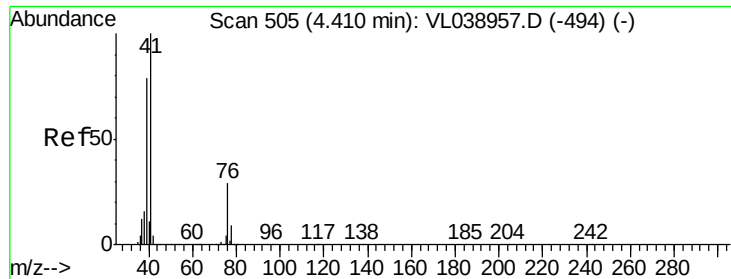
Tot Ion: 96 Resp: 2683
 Ion Ratio Lower Upper
 96 100
 61 94.3 146.3 219.5#
 98 0.6 50.6 75.8#



#20
 Methylene Chloride
 Concen: 0.108 ppbv
 RT: 4.35 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VL038961.D
 Acq: 5 May 2022 5:16

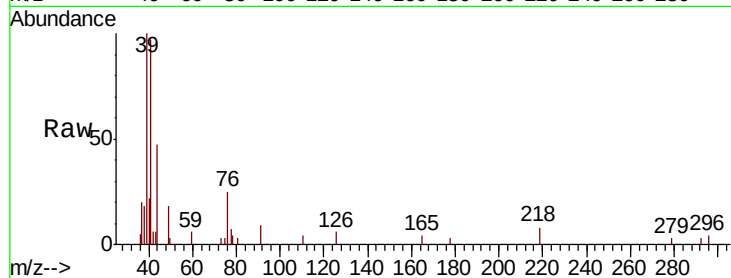
Tgt Ion: 84 Resp: 6461
 Ion Ratio Lower Upper
 84 100
 49 135.3 119.9 179.9
 51 49.5 35.7 53.5
 86 50.8 53.8 80.6#



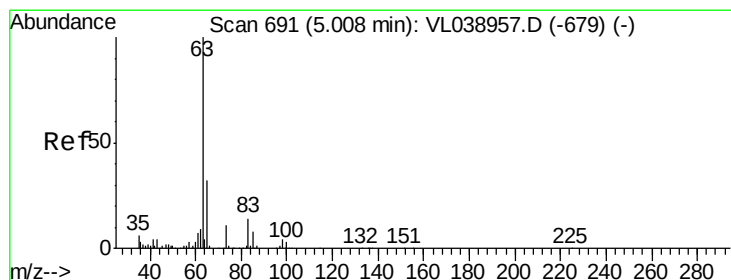
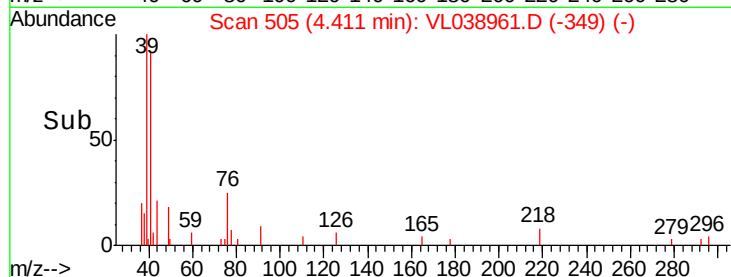
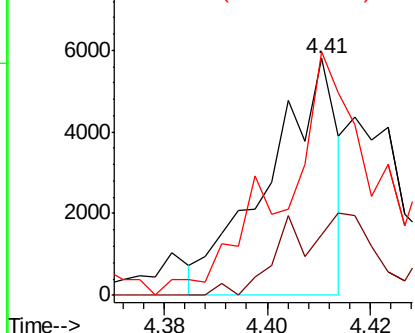


#21
 Allvl Chloride
 Concen: 0.052 ppbv
 RT: 4.41
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.1
 Acq: 5 May 2022 5:16

Tot Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.4#
39	186.5	63.8	95.8#

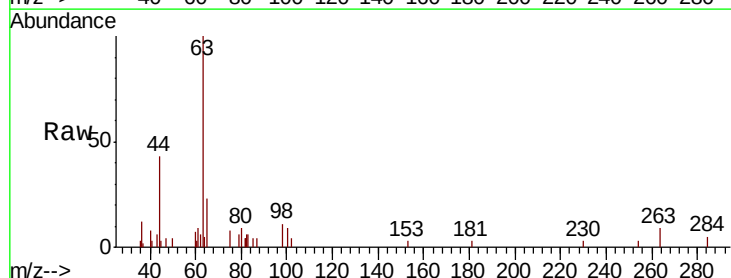


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

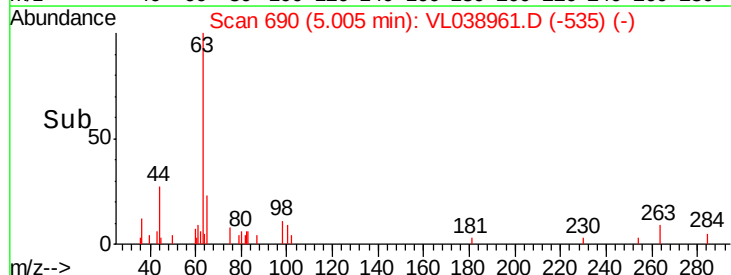
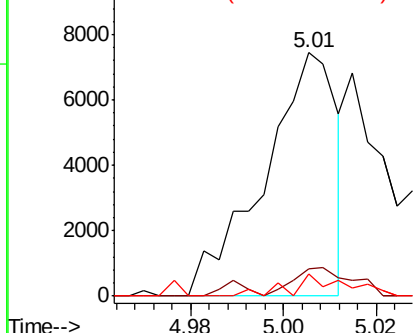


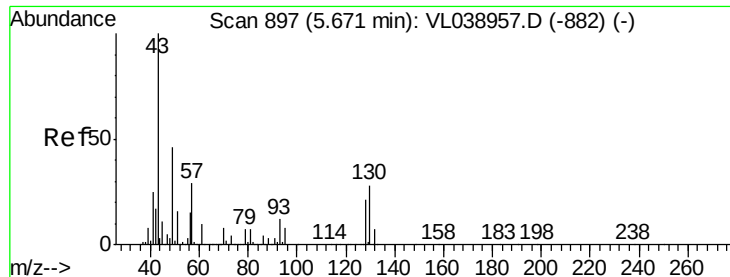
#24
 1,1-Dichloroethane
 Concen: 0.052 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL038961.D
 Acq: 5 May 2022 5:16

Tgt Ion	Ratio	Lower	Upper
63	100		
98	10.5	2.1	6.2#
100	8.9	1.4	4.2#



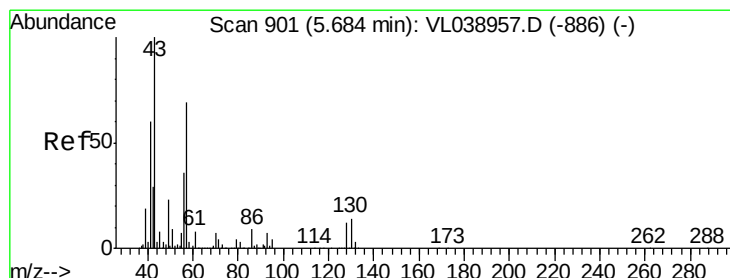
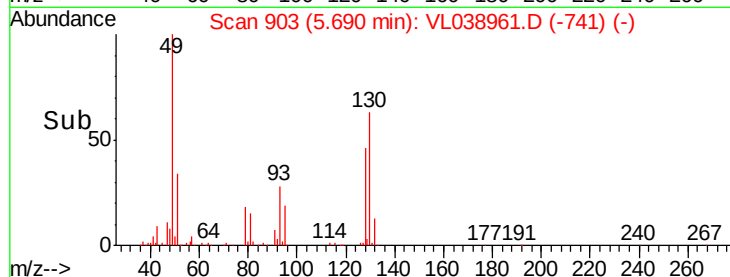
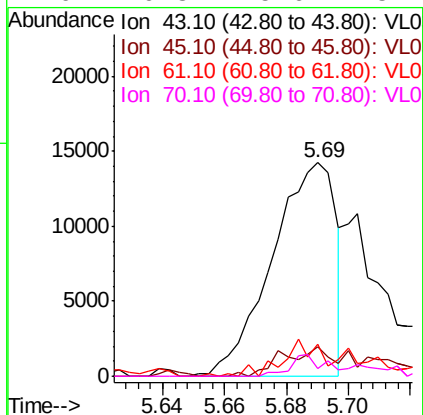
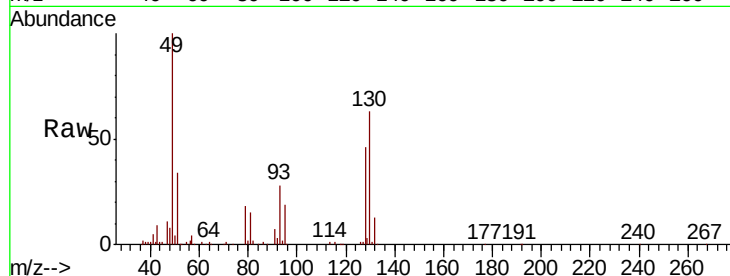
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





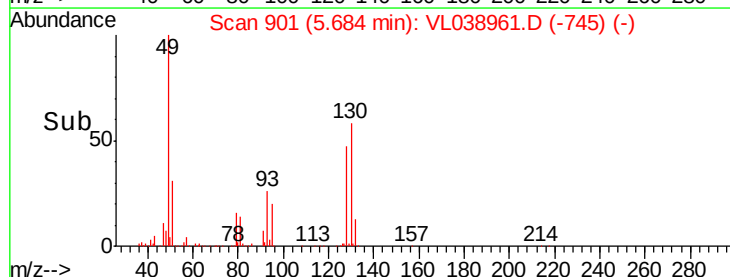
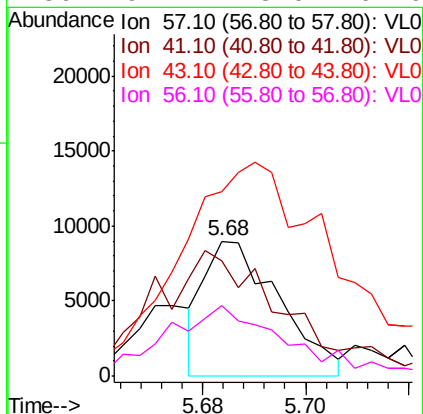
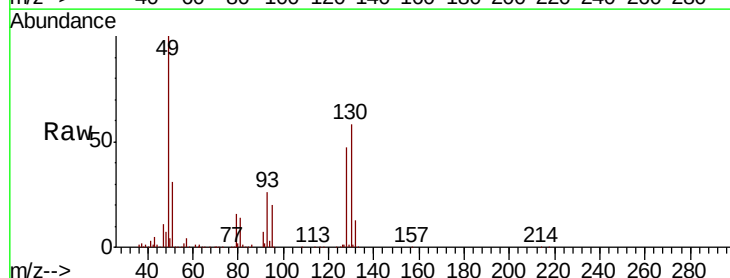
#25
Ethyl Acetate
Concen: 0.065 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 5:16

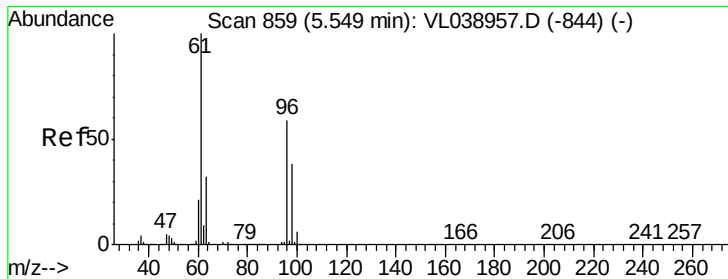
Tot Ion:	43	Resp:	20349
Ion	Ratio	Lower	Upper
43	100		
45	19.9	8.1	12.1#
61	19.9	7.8	11.6#
70	10.8	5.6	8.4#



#26
Hexane
Concen: 0.063 ppbv
RT: 5.68 min Scan# 901
Delta R.T.: 0.00 min
Lab File: VL038961.D
Acq: 5 May 2022 5:16

Tgt Ion:	57	Resp:	9044
Ion	Ratio	Lower	Upper
57	100		
41	179.6	75.2	112.8#
43	407.4	190.8	286.2#
56	94.1	43.0	64.6#





#31

cis-1,2-Dichloroethene

Concen: 0.054 ppbv

RT: 5.54 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VSTDIC0.1

Acq: 5 May 2022 5:16

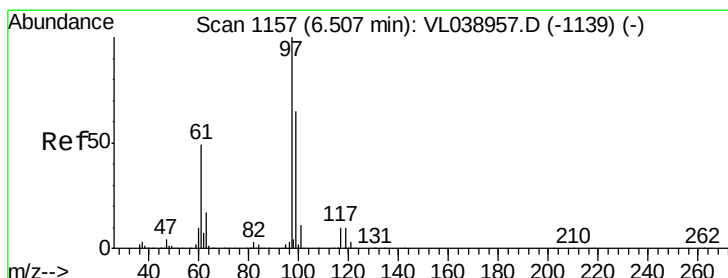
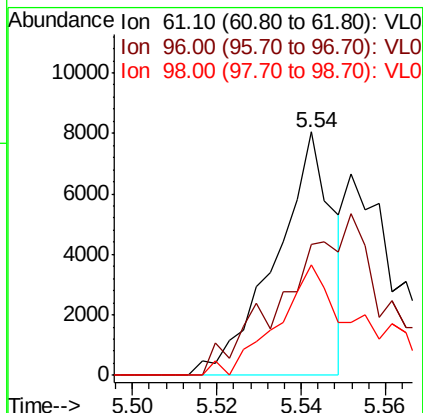
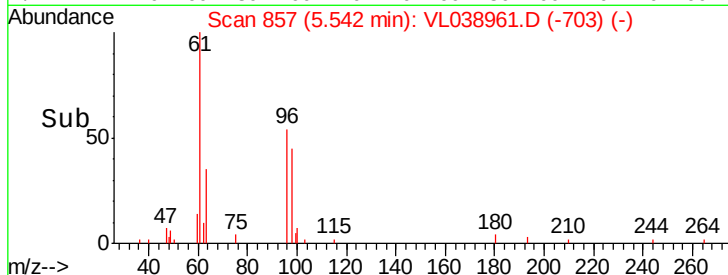
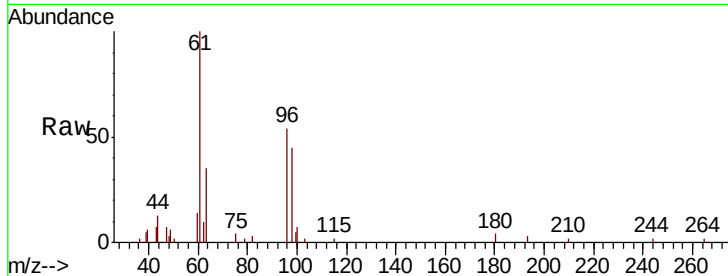
Tot Ion: 61 Resp: 7570

Ion Ratio Lower Upper

61 100

96 53.7 47.4 71.0

98 45.2 30.6 45.8



#32

1,1,1-Trichloroethane

Concen: 0.057 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VL038961.D

Acq: 5 May 2022 5:16

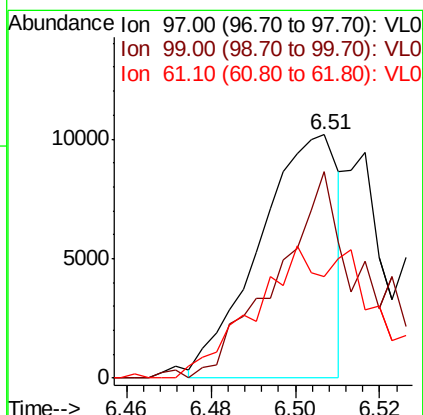
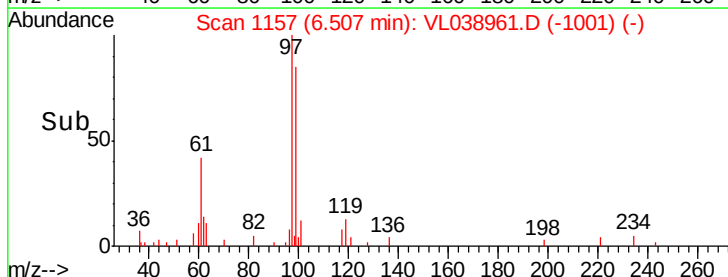
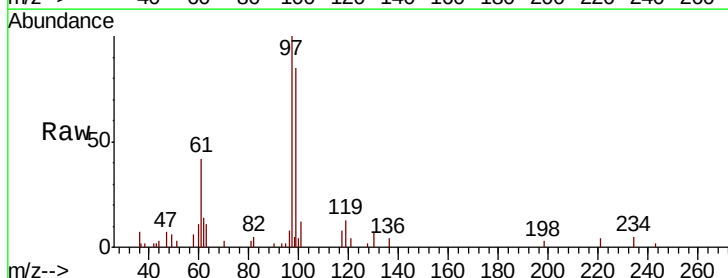
Tgt Ion: 97 Resp: 13291

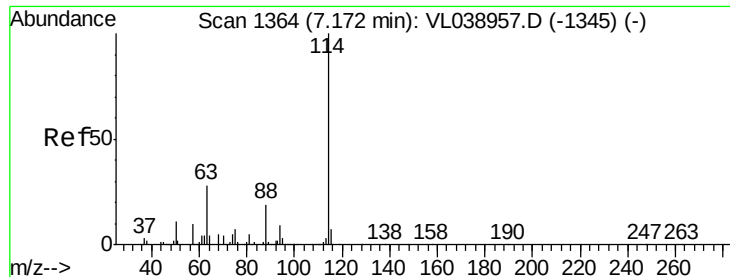
Ion Ratio Lower Upper

97 100

99 106.6 51.9 77.9#

61 88.5 40.9 61.3#

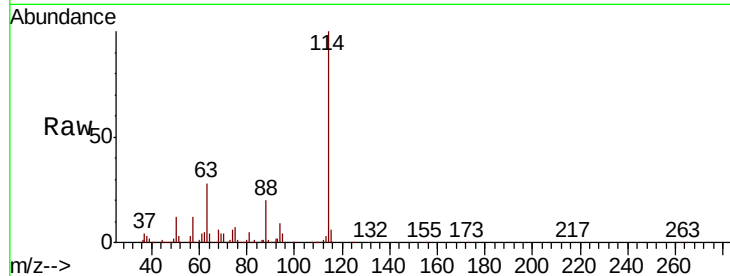




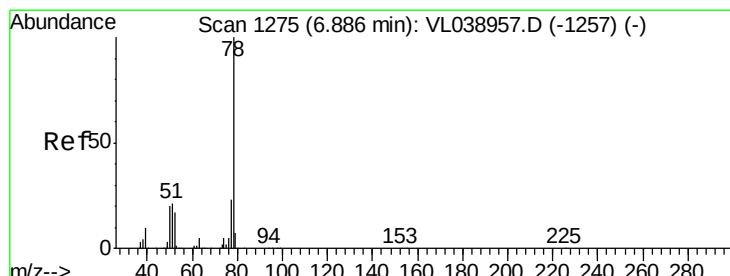
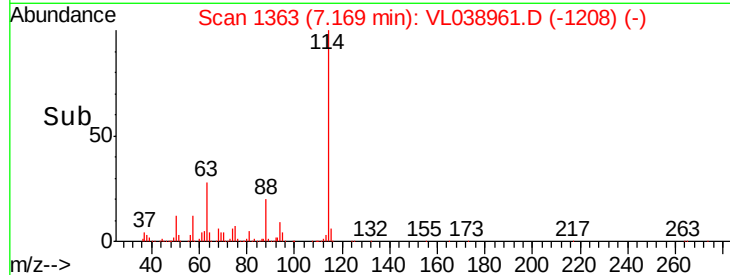
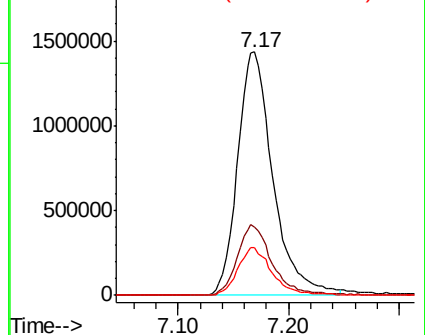
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.1
 Acq: 5 May 2022 5:16

Tot Ion:114 Resp: 3188339

Ion	Ratio	Lower	Upper
114	100		
63	28.7	22.6	33.8
88	19.6	15.4	23.0



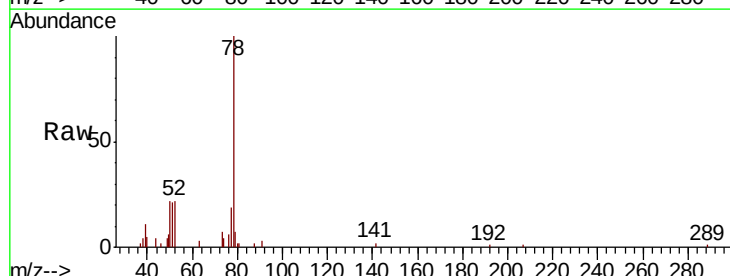
Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



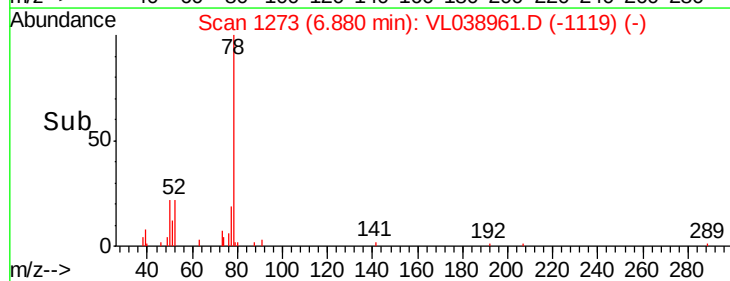
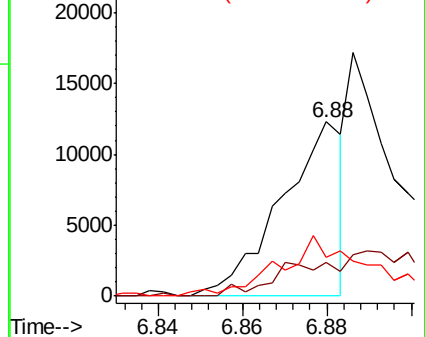
#36
 Benzene
 Concen: 0.043 ppbv
 RT: 6.88 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL038961.D
 Acq: 5 May 2022 5:16

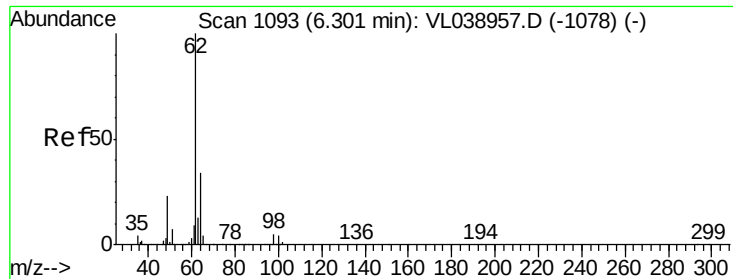
Tgt Ion: 78 Resp: 12466

Ion	Ratio	Lower	Upper
78	100		
77	19.5	18.6	28.0
50	20.2	15.6	23.4



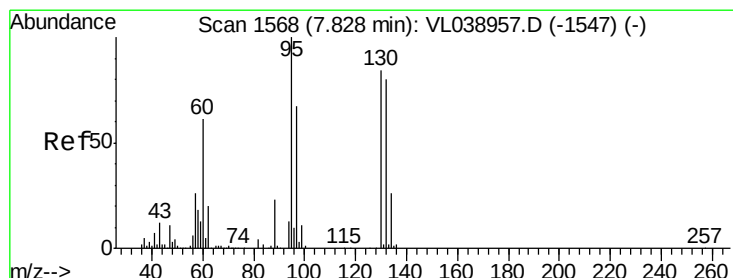
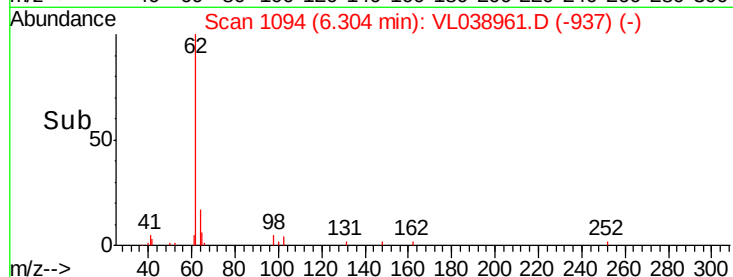
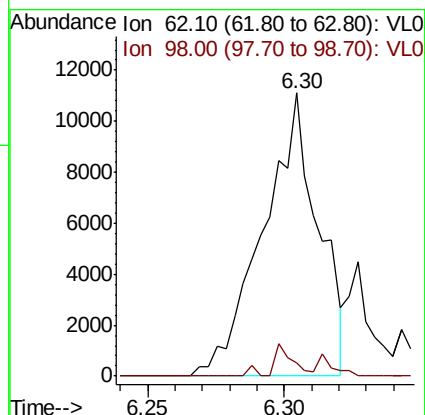
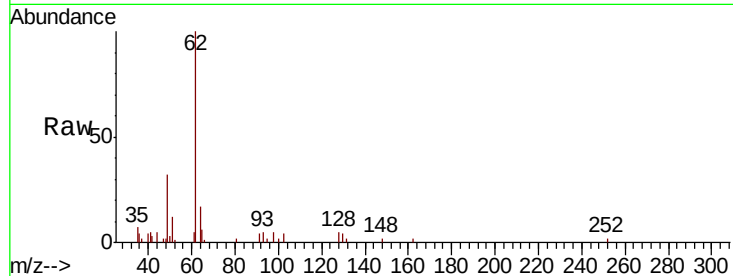
Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0





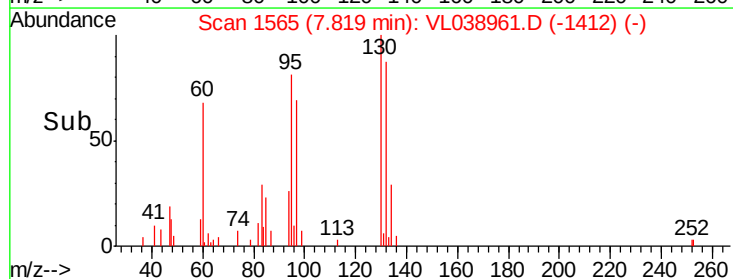
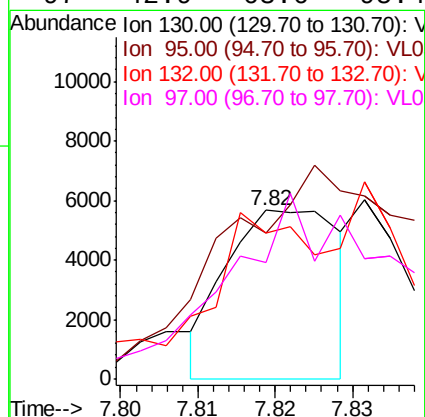
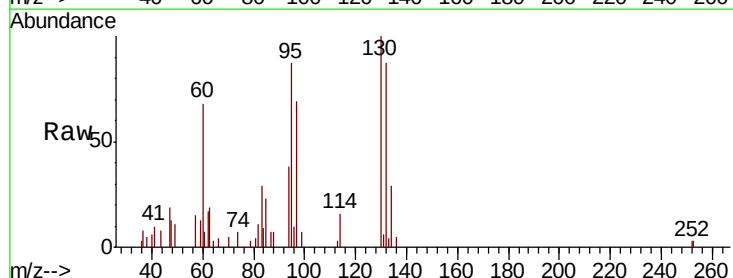
#37
 1,2-Dichloroethane
 Concen: 0.089 ppbv
 RT: 6.30
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId:
 VSTDIC0.1
 Acq: 5 May 2022 5:16

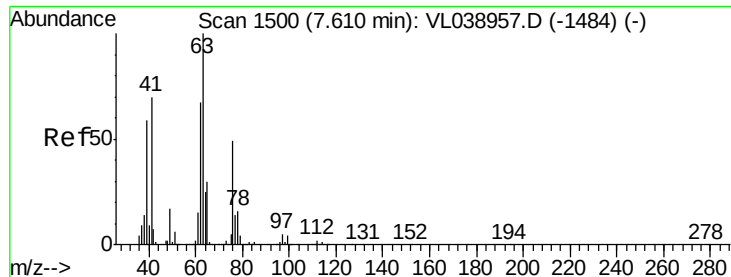
Tot Ion: 62 Resp: 15534
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.5 6.7



#38
 Trichloroethene
 Concen: 0.049 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VL038961.D
 Acq: 5 May 2022 5:16

Tgt Ion:130 Resp: 5743
 Ion Ratio Lower Upper
 130 100
 95 55.6 94.8 142.2#
 132 68.5 75.8 113.8#
 97 42.9 63.6 95.4#





#39

1,2-Dichloropropane

Concen: 7.562 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 5:16 VSTDIC0.1

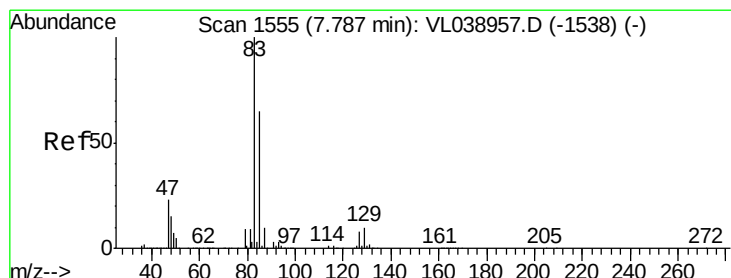
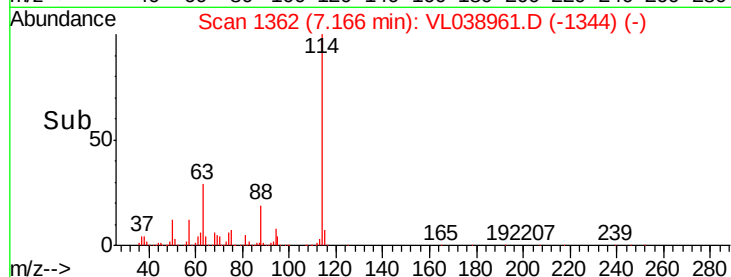
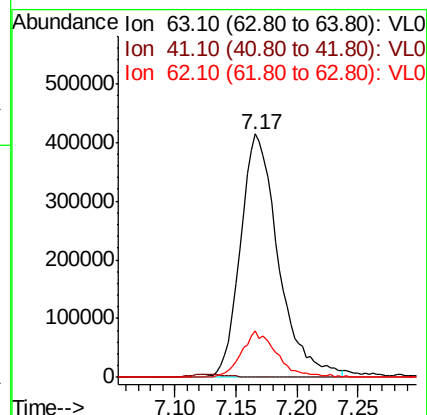
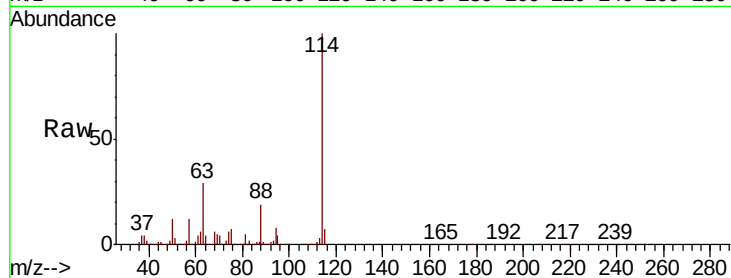
Tot Ion: 63 Resp: 891114

Ion Ratio Lower Upper

63 100

41 0.0 55.9 83.9#

62 19.1 53.8 80.6#



#42

Bromodichloromethane

Concen: 0.049 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VL038961.D

Acq: 5 May 2022 5:16

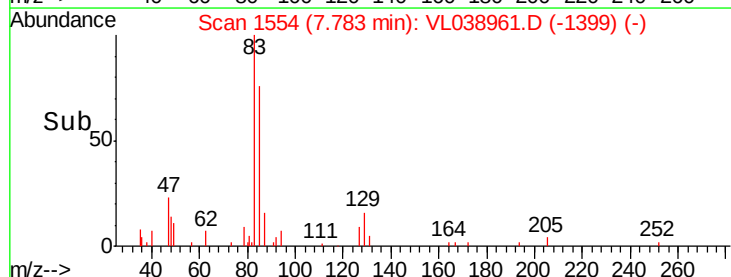
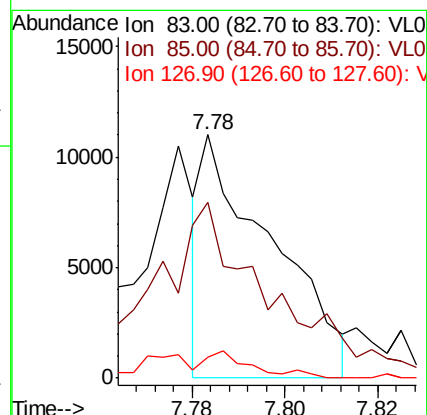
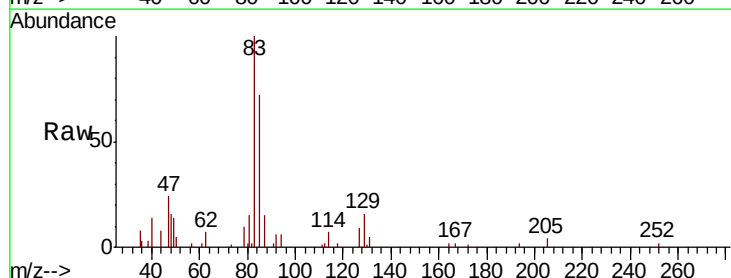
Tgt Ion: 83 Resp: 11601

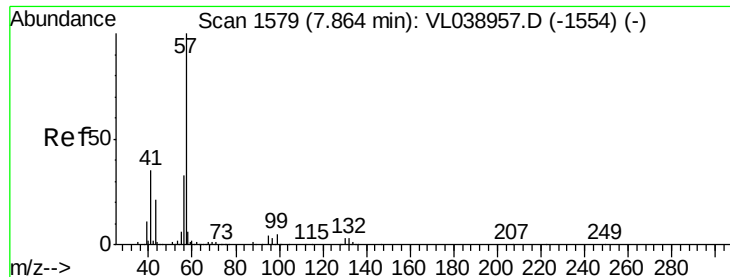
Ion Ratio Lower Upper

83 100

85 68.0 52.0 78.0

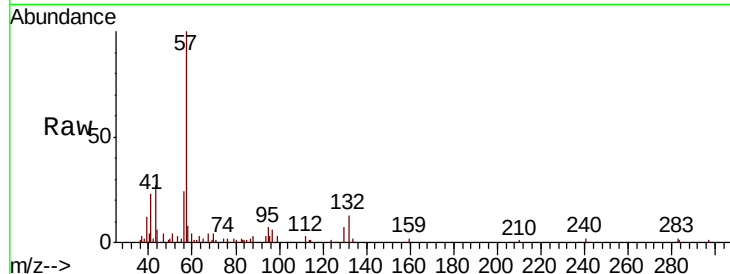
127 10.4 6.0 9.0#



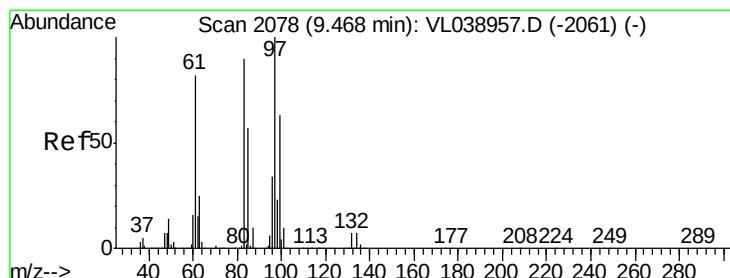
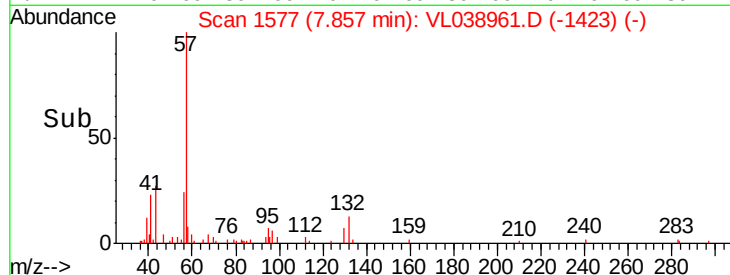
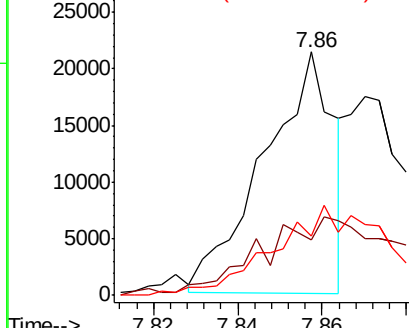


#44
 2,2,4-Trimethylpentane
 Concen: 0.048 ppbv
 RT: 7.86
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 5:16

Tot Ion: 57 Resp: 24450
 Ion Ratio Lower Upper
 57 100
 41 73.5 26.3 39.5#
 56 69.7 24.6 37.0#

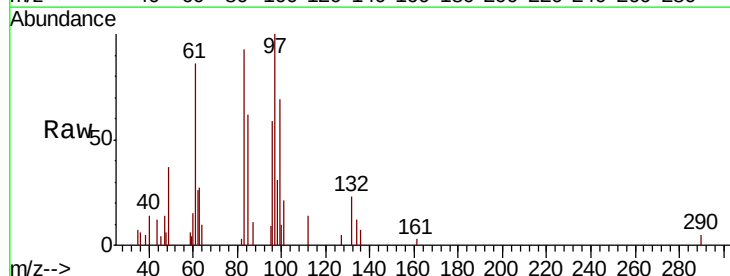


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

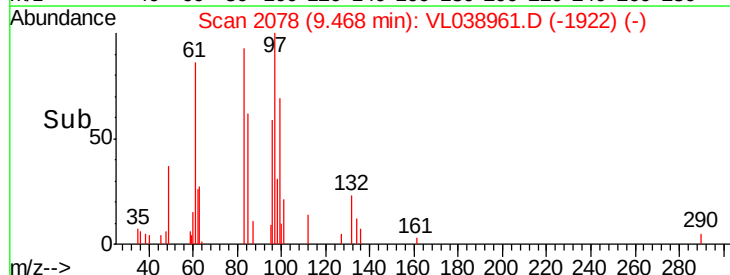
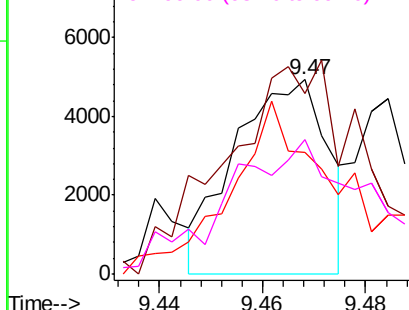


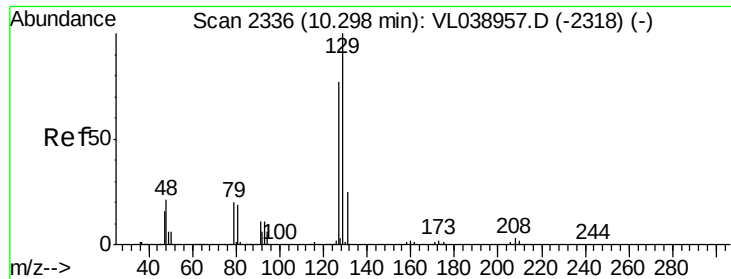
#47
 1,1,2-Trichloroethane
 Concen: 0.051 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL038961.D
 Acq: 5 May 2022 5:16

Tgt Ion: 97 Resp: 6163
 Ion Ratio Lower Upper
 97 100
 83 55.8 72.0 108.0#
 85 60.2 45.7 68.5
 99 60.3 50.2 75.4



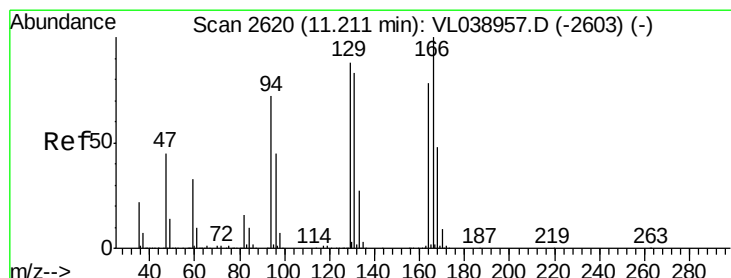
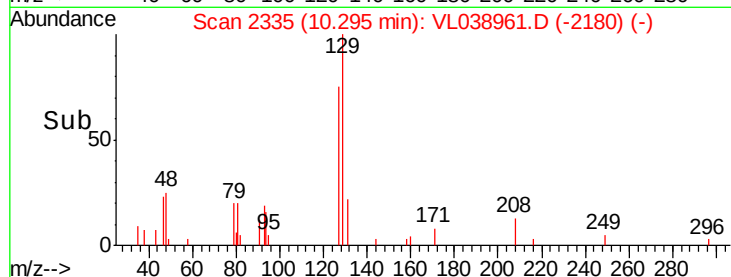
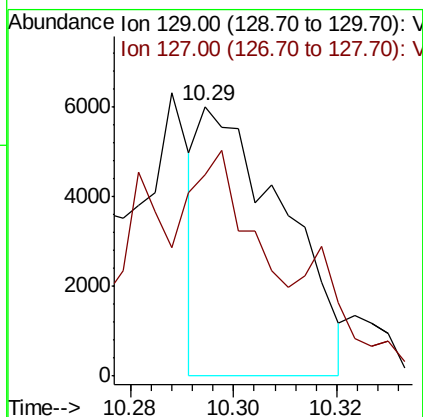
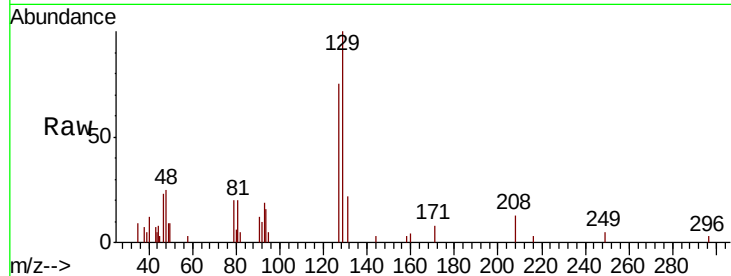
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0





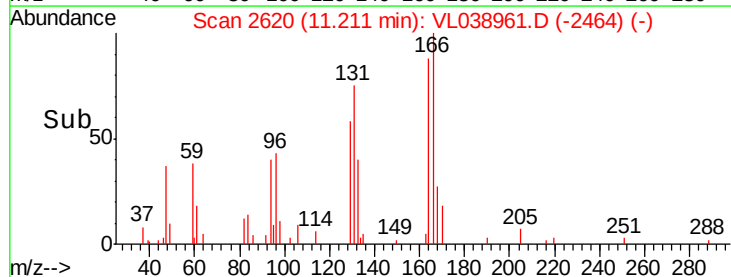
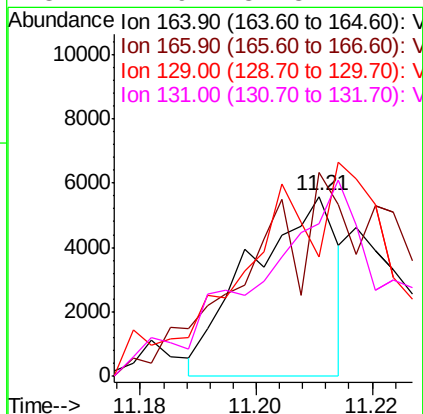
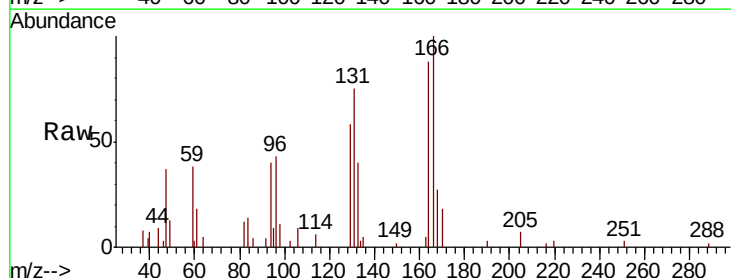
#48
 Dibromochloromethane
 Concen: 0.037 ppbv
 RT: 10.29 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC01
 Acq: 5 May 2022 5:16

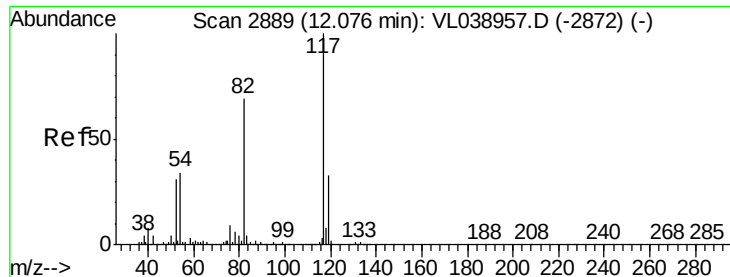
Tot Ion:129 Resp: 6822
 Ion Ratio Lower Upper
 129 100
 127 161.6 39.3 117.9#



#52
 Tetrachloroethene
 Concen: 0.054 ppbv
 RT: 11.21 min Scan# 2620
 Delta R.T. 0.00 min
 Lab File: VL038961.D
 Acq: 5 May 2022 5:16

Tgt Ion:164 Resp: 5772
 Ion Ratio Lower Upper
 164 100
 166 96.8 102.5 153.7#
 129 50.1 90.1 135.1#
 131 77.9 84.8 127.2#

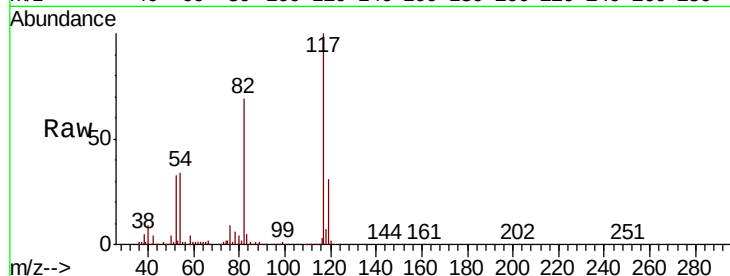




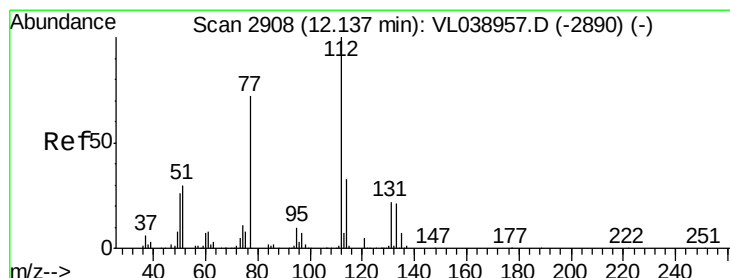
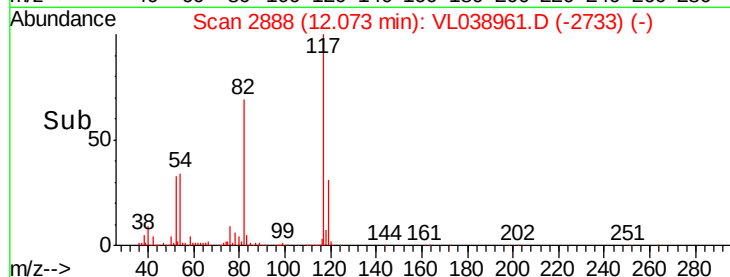
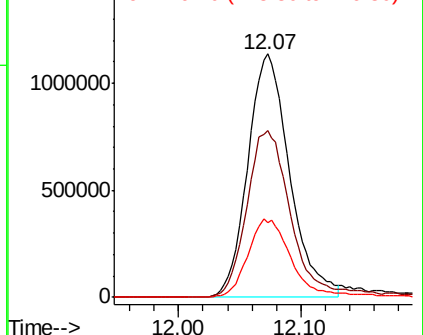
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 5:16

Tot Ion:117 Resp: 2693755

Ion	Ratio	Lower	Upper
117	100		
82	76.0	57.0	85.6
119	34.3	27.2	40.8



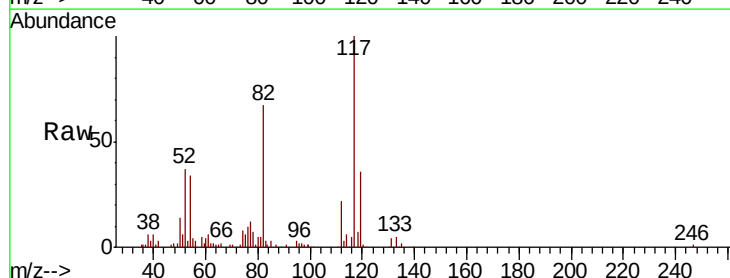
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



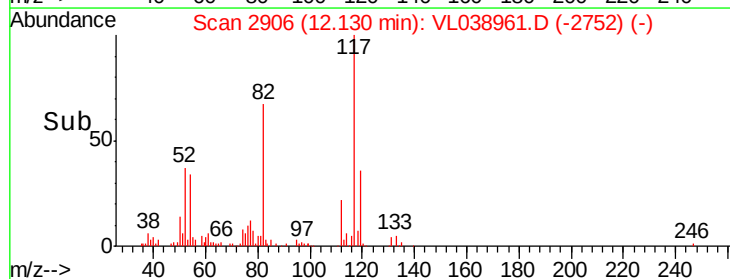
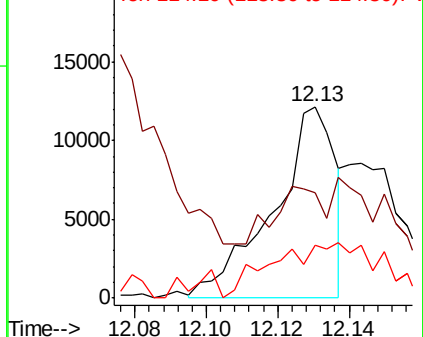
#57
Chlorobenzene
Concen: 0.064 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL038961.D
Acq: 5 May 2022 5:16

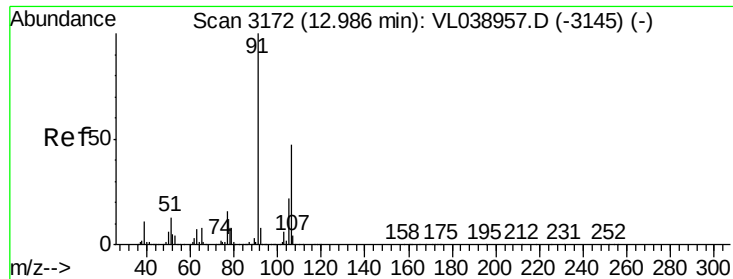
Tgt Ion:112 Resp: 14501

Ion	Ratio	Lower	Upper
112	100		
77	11.1	57.7	86.5#
114	24.4	30.1	36.7#



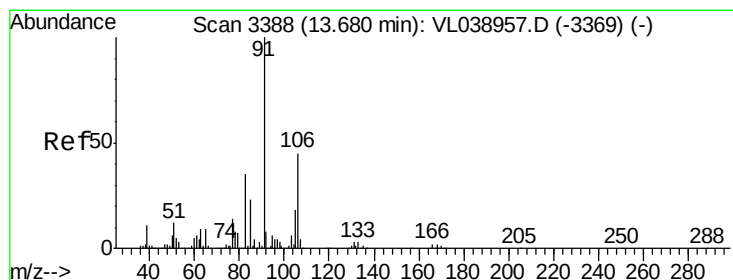
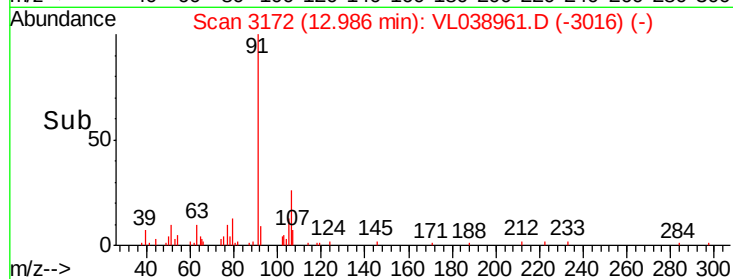
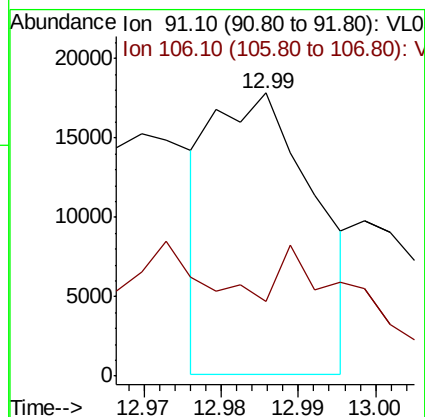
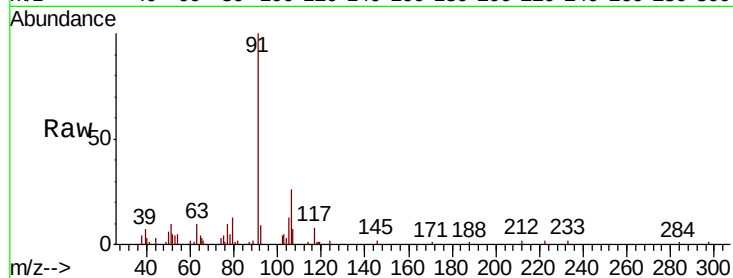
Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V





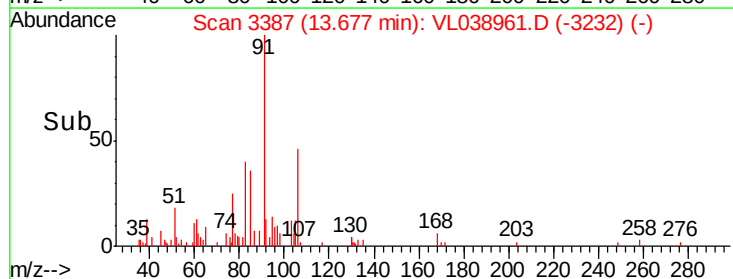
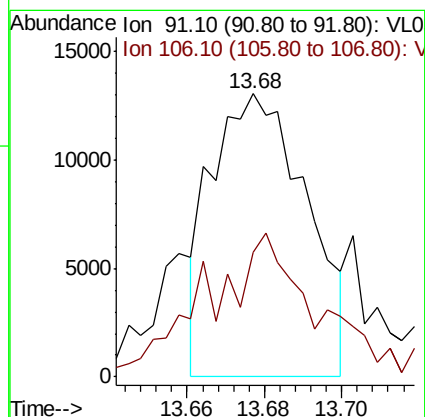
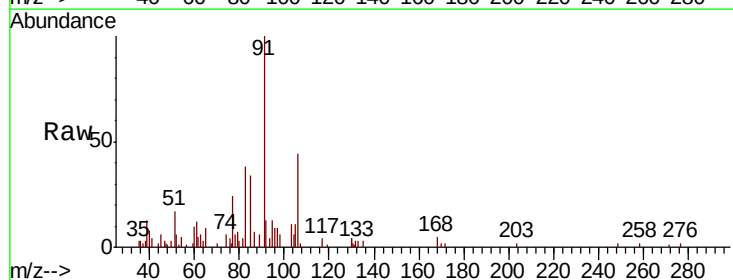
#59
m/p-Xylene
Concen: 0.048 ppbv
RT: 12.99 min
Delta R.T. MSVOA_1
Lab File: ClientSampled :
Acq: 5 May 2022 5:10

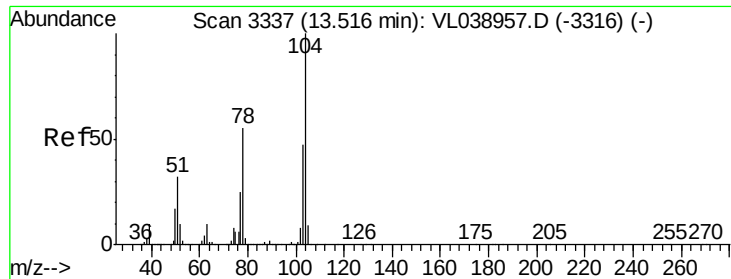
Tot Ion: 91 Resp: 16305
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0#



#60
o-Xylene
Concen: 0.068 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL038961.D
Acq: 5 May 2022 5:16

Tgt Ion: 91 Resp: 22351
Ion Ratio Lower Upper
91 100
106 60.7 22.2 66.6





#61

Stvrene

Concen: 0.040 ppbv

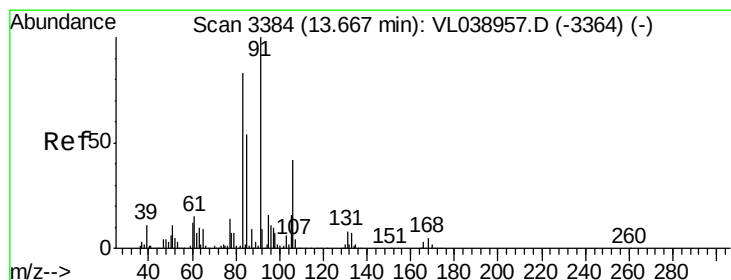
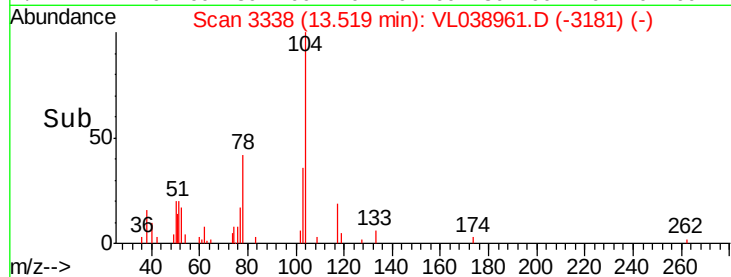
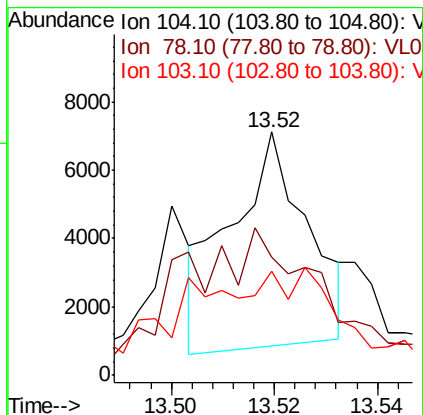
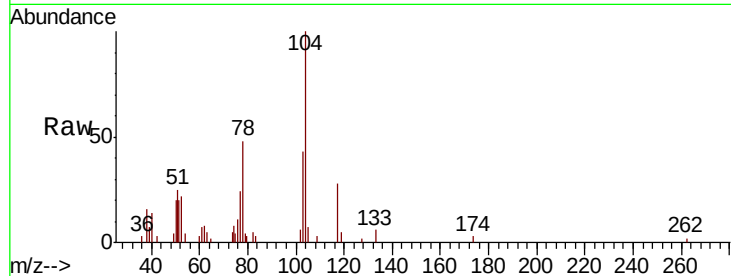
RT: 13.52

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 5 May 2022 5:10

Tot Ion:	104	Resp:	6507
Ion	Ratio	Lower	Upper
104	100		
78	144.1	46.4	69.6#
103	0.0	39.3	58.9#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.032 ppbv

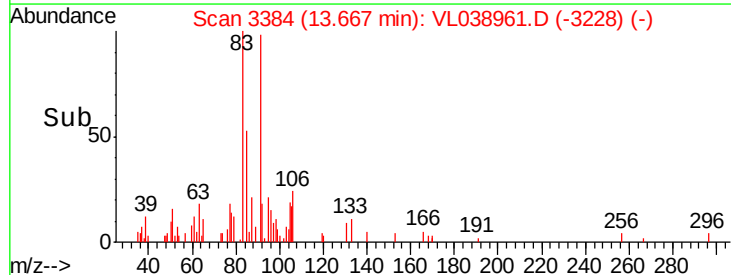
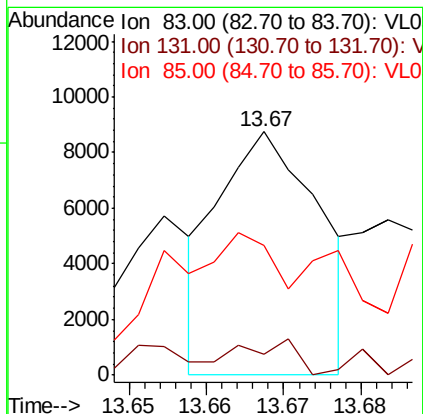
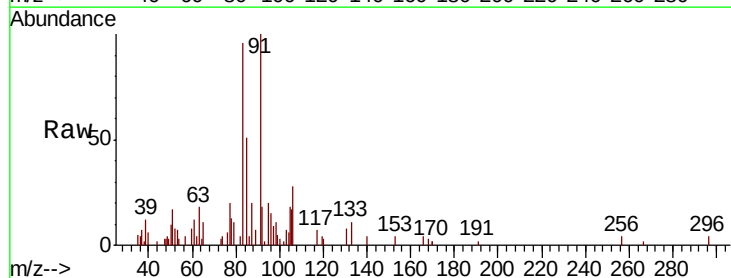
RT: 13.67 min Scan# 3384

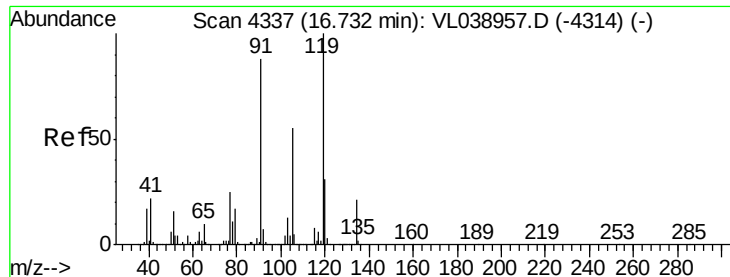
Delta R.T. 0.00 min

Lab File: VL038961.D

Acq: 5 May 2022 5:16

Tgt Ion:	83	Resp:	7927
Ion	Ratio	Lower	Upper
83	100		
131	20.6	4.5	13.7#
85	162.2	32.8	98.3#





#65

tert-Butylbenzene

Concen: 0.033 ppbv

RT: 16.73 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 5:16

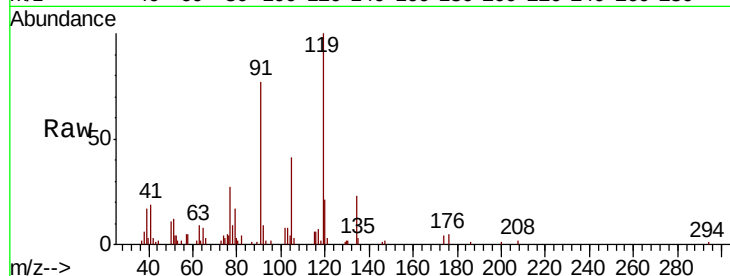
Tot Ion:119 Resp: 12958

Ion Ratio Lower Upper

119 100

91 0.0 69.4 104.2#

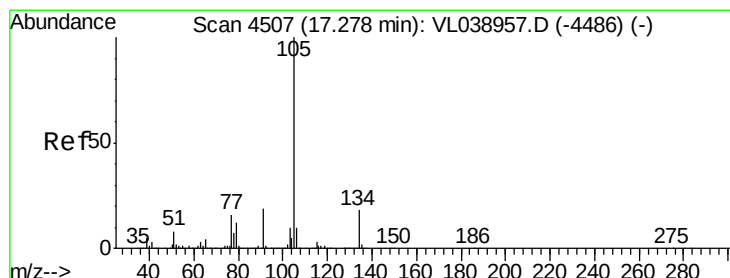
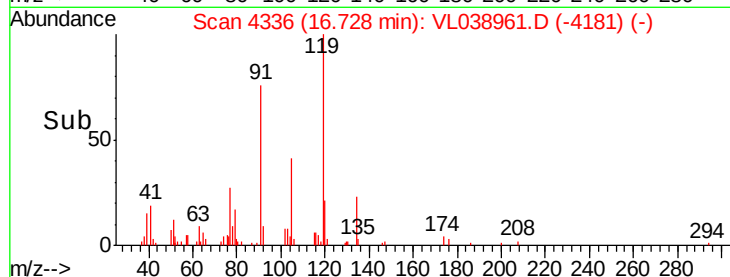
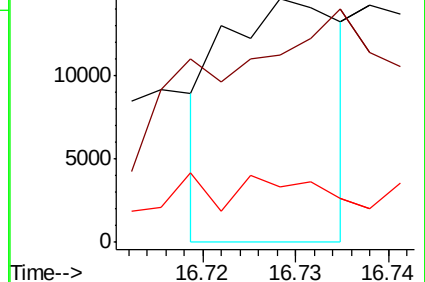
134 0.0 15.8 23.8#



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



#67

sec-Butylbenzene

Concen: 0.083 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.01 min

Lab File: VL038961.D

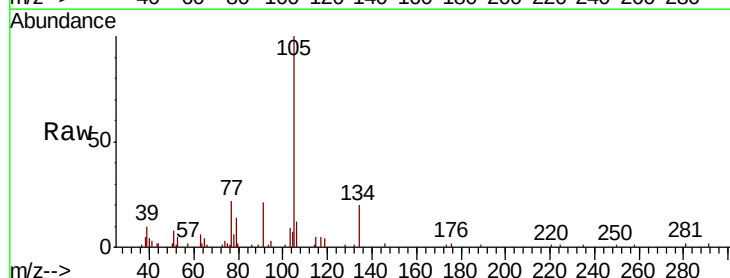
Acq: 5 May 2022 5:16

Tgt Ion:105 Resp: 45605

Ion Ratio Lower Upper

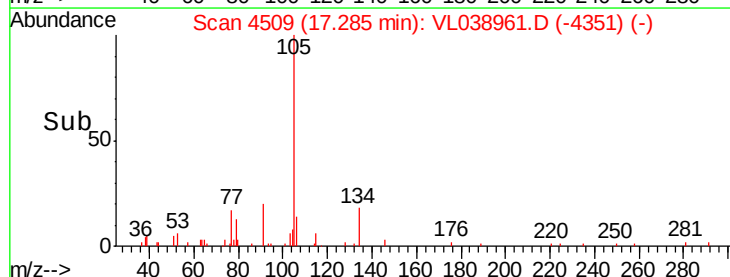
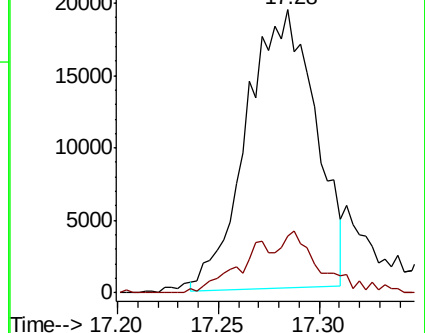
105 100

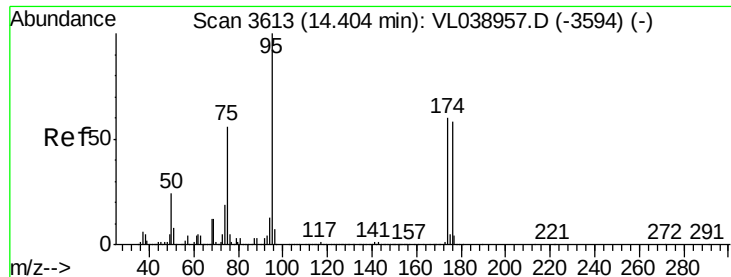
134 22.7 14.2 21.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

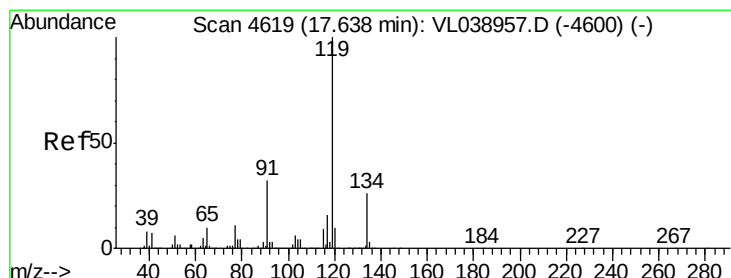
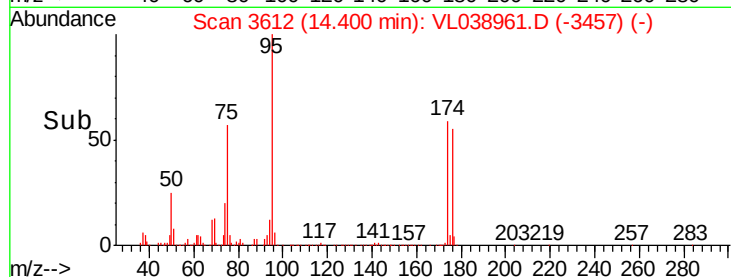
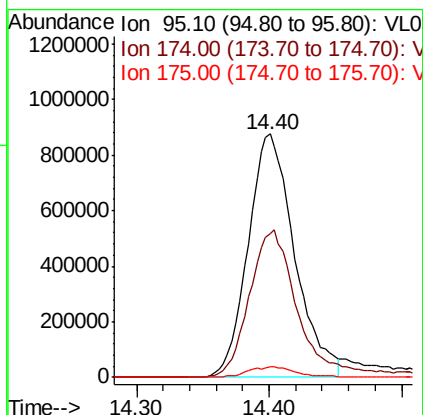
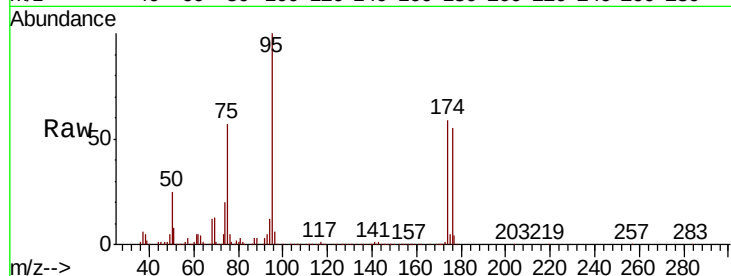




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.036 ppbv
 RT: 14.40 min
 Delta R.T.: 0.01 min
 Lab File: VSTDIC001
 Acq: 5 May 2022 5:16

Tot Ion: 95 Resp: 2138428

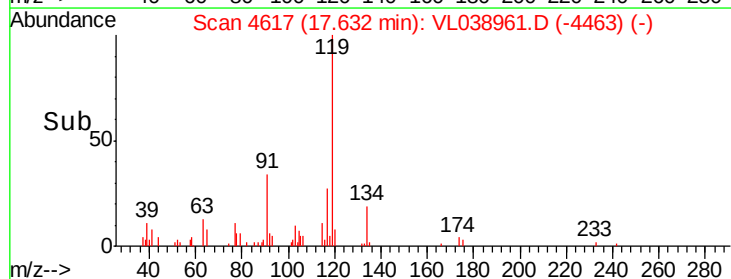
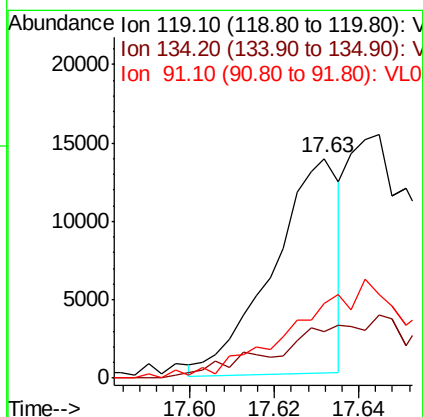
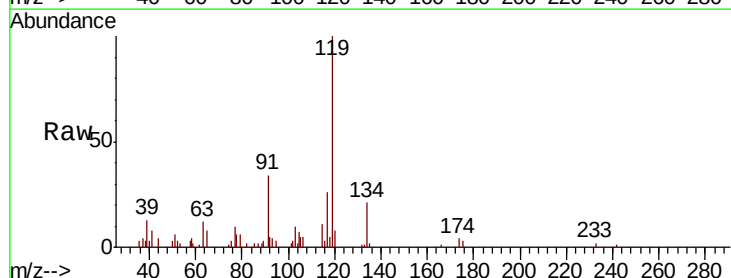
Ion	Ratio	Lower	Upper
95	100		
174	66.5	50.8	76.2
175	4.8	3.8	5.6

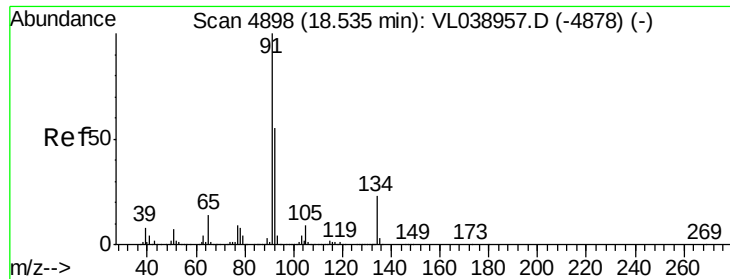


#69
 p-Isopropyltoluene
 Concen: 0.035 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T.: -0.01 min
 Lab File: VL038961.D
 Acq: 5 May 2022 5:16

Tgt Ion: 119 Resp: 15067

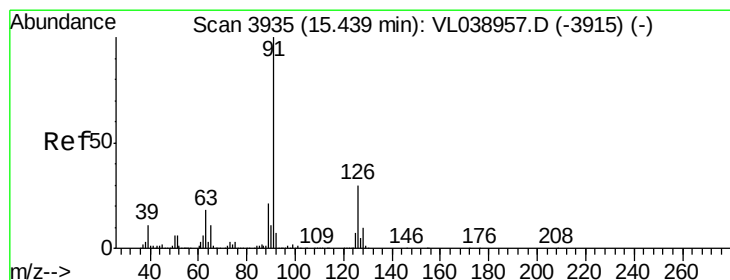
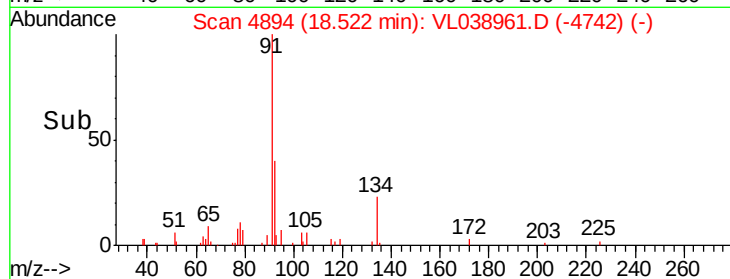
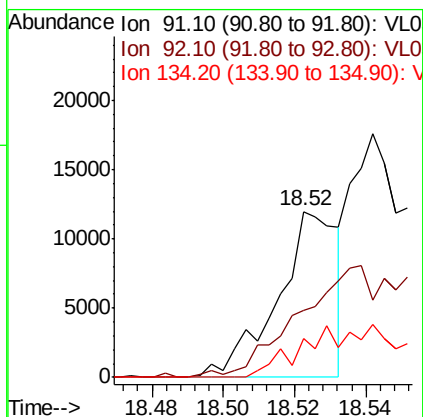
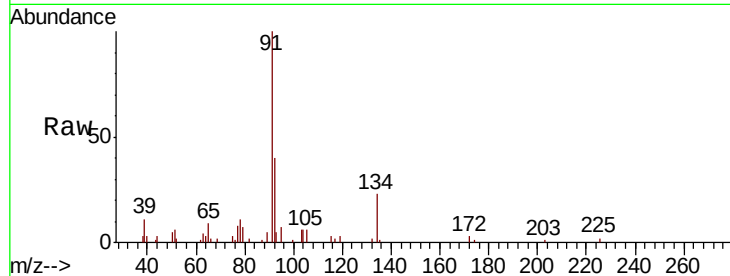
Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.0	30.0#
91	0.0	24.8	37.2#





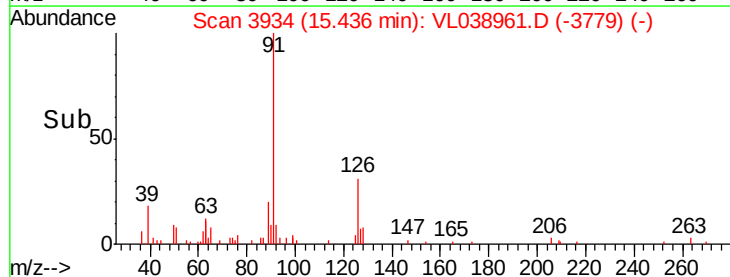
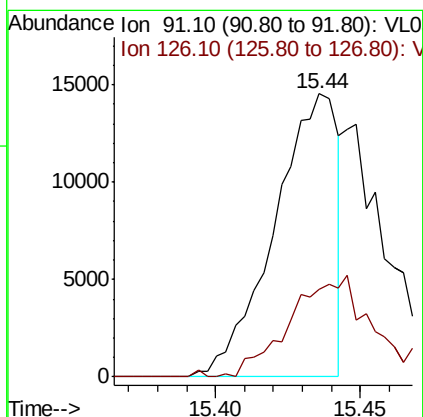
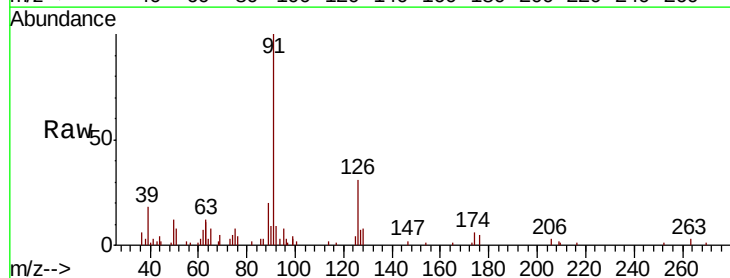
#70
n-Butylbenzene
Concen: 0.031 ppbv
RT: 18.52 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC0.1
Acq: 5 May 2022 5:16

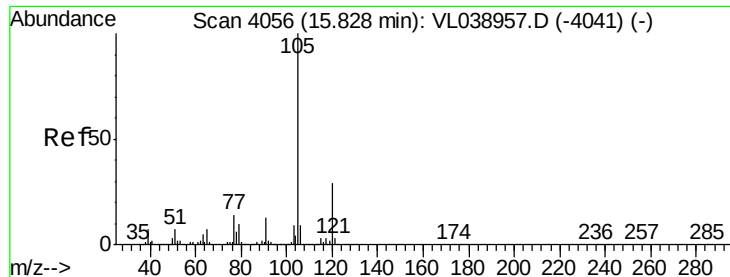
Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.1	64.7#
134	0.0	17.0	25.4#



#71
2-Chlorotoluene
Concen: 0.066 ppbv
RT: 15.44 min Scan# 3934
Delta R.T.: -0.00 min
Lab File: VL038961.D
Acq: 5 May 2022 5:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.9	47.5#





#72

4-Ethyltoluene

Concen: 0.044 ppbv

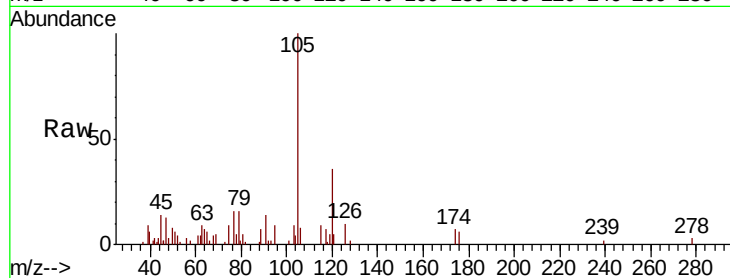
RT: 15.82 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 5:16

Tot Ion:	105	Resp:	15654
Ion	Ratio	Lower	Upper
105	100		
120	65.0	23.4	35.0#
91	0.0	10.6	16.0#
77	0.0	12.5	18.7#



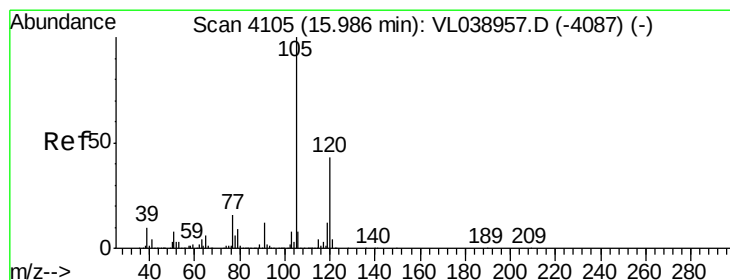
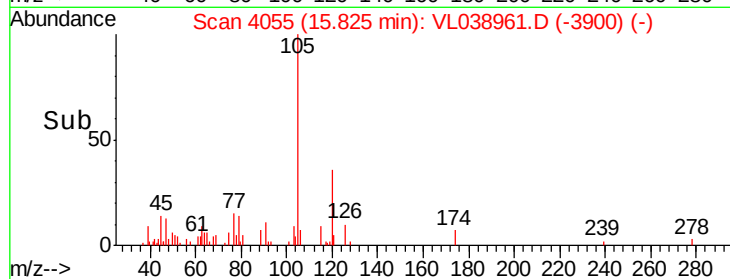
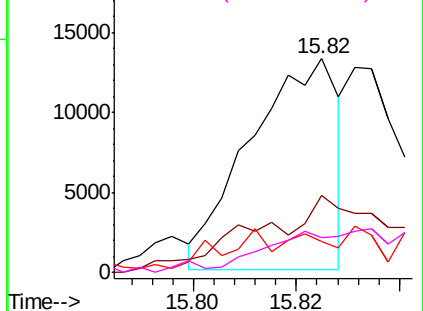
Abundance

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: 0.083 ppbv

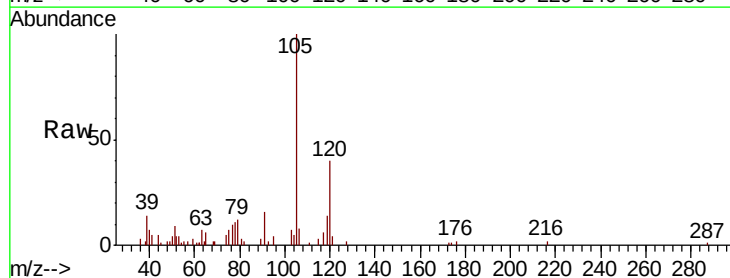
RT: 15.99 min Scan# 4105

Delta R.T. 0.00 min

Lab File: VL038961.D

Acq: 5 May 2022 5:16

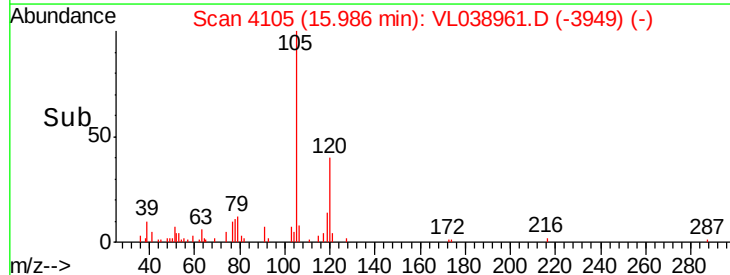
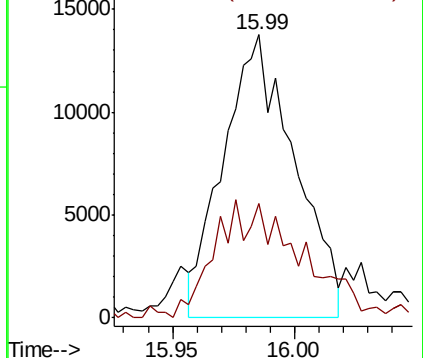
Tgt Ion:	105	Resp:	27790
Ion	Ratio	Lower	Upper
105	100		
120	39.8	34.4	51.6

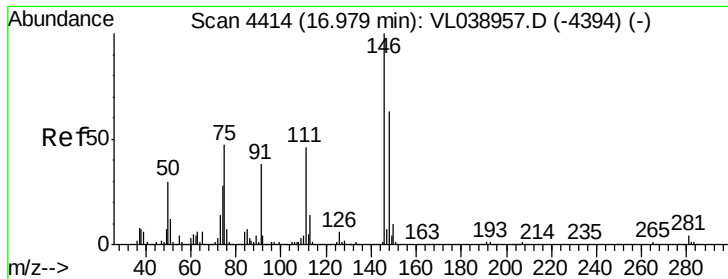


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#75

1,3-Dichlorobenzene

Concen: 0.052 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 5:16

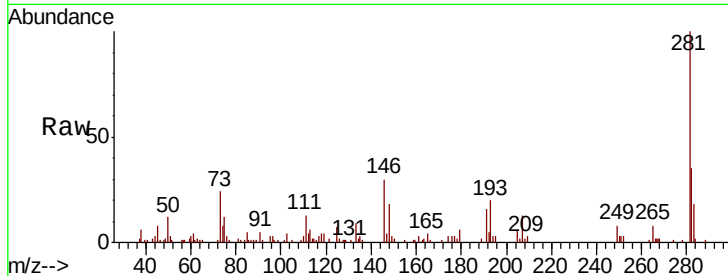
Tot Ion:146 Resp: 10604

Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.2#

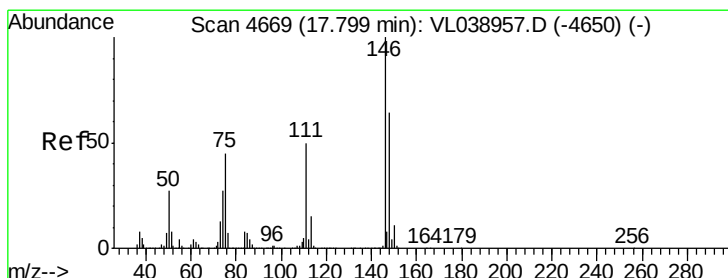
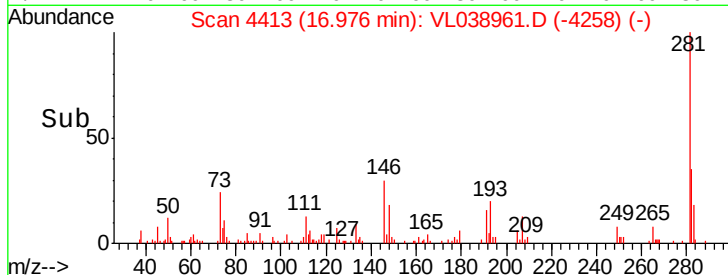
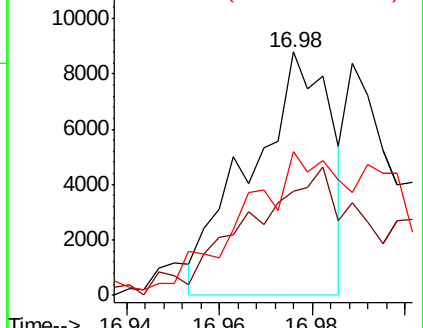
148 134.1 32.4 97.2#



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: 0.068 ppbv

RT: 17.81 min Scan# 4671

Delta R.T. 0.01 min

Lab File: VL038961.D

Acq: 5 May 2022 5:16

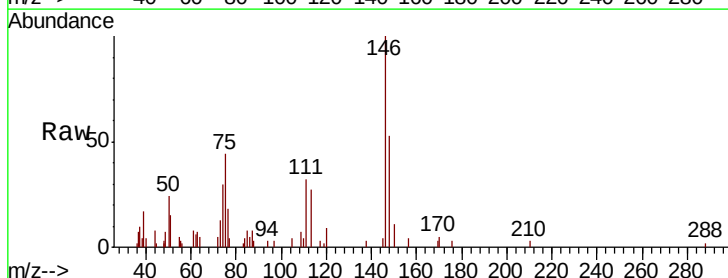
Tgt Ion:146 Resp: 12999

Ion Ratio Lower Upper

146 100

111 78.2 25.3 75.9#

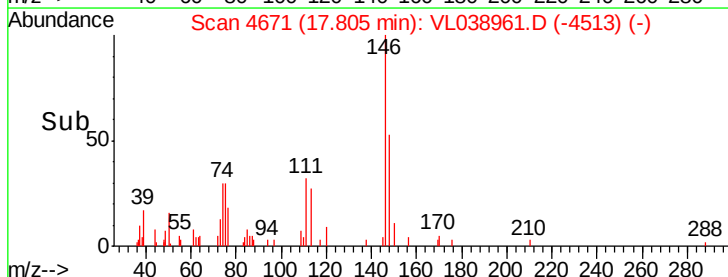
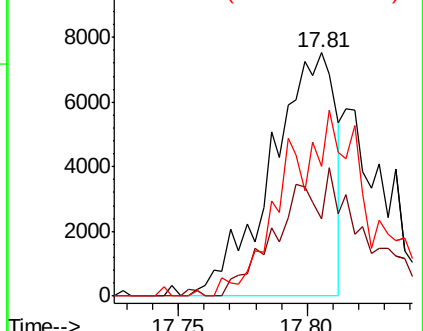
148 110.9 32.3 96.9#

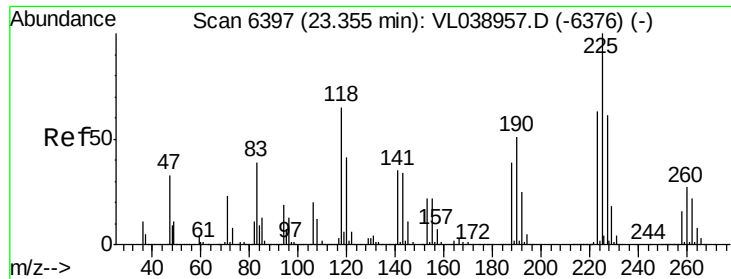


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.047 ppbv

RT: 23.35 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 3.10

Tot Ion: 225 Resp: 8077

Ion Ratio Lower Upper

225 100

223 0.0 51.4 77.0#

227 0.0 51.4 77.0#

