

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051722\
 Data File : VL039074.D
 Acq On : 17 May 2022 18:19
 Operator : SY/AP
 Sample : N2854-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1161-8.01-IA-2

Quant Time: May 18 01:49:50 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 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	841613	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	1895008	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1643668	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1428581	10.97	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	30736	0.233 ppbv	89
3) Chlorodifluoromethane	3.00	51	658414	6.305 ppbv #	88
4) Chloromethane	3.15	50	32308	0.618 ppbv	91
5) Vinyl Chloride	3.28	62	101	0.002 ppbv #	44
6) Bromomethane	3.49	94	1204	0.053 ppbv #	35
7) Chloroethane	3.56	64	98	0.006 ppbv #	45
8) Dichlorotetrafluoroethane	3.20	85	922	0.008 ppbv #	8
9) Propene	3.22	41	1391981	30.521 ppbv	91
10) Heptane	8.14	43	53118	0.475 ppbv #	10
11) Trichlorofluoromethane	3.97	101	30368	0.268 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2309	0.030 ppbv #	15
13) Ethanol	3.61	45	1716364	531.795 ppbv	87
15) Acetone	3.86	43	1823932	22.975 ppbv #	90
16) 1,3-Butadiene	3.32	39	30927	0.678 ppbv #	12
17) tert-Butyl alcohol	4.29	59	1191	0.020 ppbv #	70
18) 1,1-Dichloroethene	4.37	96	85	0.003 ppbv #	1
19) Isopropyl Alcohol	3.97	45	1242073	32.906 ppbv #	94
20) Methylene Chloride	4.36	84	134387	4.491 ppbv	98
21) Allvl Chloride	4.61	41	10850	0.201 ppbv	91
22) trans-1,2-Dichloroethene	4.89	96	192	0.005 ppbv #	27
23) Vinyl Acetate	5.08	43	66266	1.055 ppbv #	39
24) 1,1-Dichloroethane	5.02	63	169	0.002 ppbv #	89
25) Ethyl Acetate	5.70	43	341638	1.798 ppbv #	85
26) Hexane	5.70	57	397757	4.711 ppbv #	42
27) Carbon Disulfide	4.56	76	1330	0.017 ppbv #	60
28) Methyl tert-Butyl Ether	5.04	73	369	0.006 ppbv #	52
29) Chloroform	5.77	83	30150	0.221 ppbv	99
30) Cyclohexane	7.15	84	28294	0.400 ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	94	0.001 ppbv #	27
32) 1,1,1-Trichloroethane	6.53	97	93	0.001 ppbv #	1
34) 2-Butanone	5.26	43	375643	3.886 ppbv	97
35) Carbon Tetrachloride	7.02	117	3217	0.026 ppbv	89
36) Benzene	6.90	78	181419	1.119 ppbv	93
37) 1,2-Dichloroethane	6.32	62	23550	0.235 ppbv #	90
38) Trichloroethene	7.84	130	626	0.009 ppbv #	18
39) 1,2-Dichloropropane	7.19	63	538318	8.531 ppbv #	26
40) 1,4-Dioxane	7.84	88	78	0.003 ppbv #	1
41) Tetrahydrofuran	6.07	42	167043	2.571 ppbv	94
42) Bromodichloromethane	7.81	83	4123	0.030 ppbv #	48
43) Methyl Methacrylate	8.02	69	1194	0.018 ppbv #	1
44) 2,2,4-Trimethylpentane	7.88	57	411844	1.447 ppbv	90

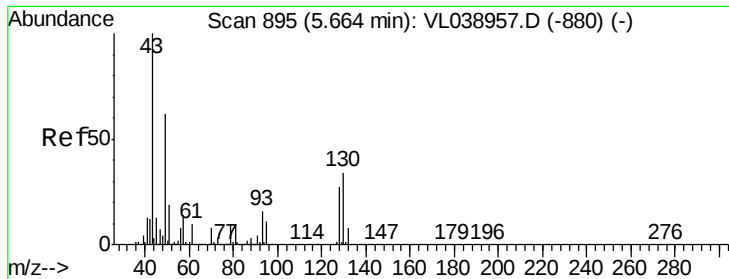
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051722\
 Data File : VL039074.D
 Acq On : 17 May 2022 18:19
 Operator : SY/AP
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 Misc : 400mL/MSVOA L
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Instrument :
 MSVOA_L
 ClientSampleId :
 1161-8.01-IA-2

Quant Time: May 18 01:49:50 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 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.77	75	101	0.002	ppbv #	1
46) cis-1,3-Dichloropropene	8.72	75	113	0.001	ppbv #	32
47) 1,1,2-Trichloroethane	9.48	97	247	0.004	ppbv #	38
48) Dibromochloromethane	10.32	129	176	0.002	ppbv #	10
49) Bromoform	13.07	173	77	0.001	ppbv #	53
50) 4-Methyl-2-Pentanone	8.76	43	103243	0.609	ppbv	99
51) 2-Hexanone	10.14	43	3200	0.026	ppbv #	28
52) Tetrachloroethene	11.23	164	3451	0.060	ppbv #	22
53) Toluene	9.82	91	1556024	8.561	ppbv	100
54) 1,2-Dibromoethane	10.61	107	104	0.001	ppbv #	3
56) 1,1,1,2-Tetrachloroethane	12.30	131	286	0.004	ppbv #	1
57) Chlorobenzene	12.16	112	441	0.004	ppbv #	22
58) Ethyl Benzene	12.72	91	170052	0.719	ppbv	93
59) m/p-Xylene	12.98	91	1029707	5.099	ppbv	99
60) o-Xylene	13.70	91	372180	1.958	ppbv	93
61) Styrene	13.54	104	4897	0.048	ppbv #	1
62) Isopropylbenzene	14.67	105	7933	0.029	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.70	83	107	0.001	ppbv #	1
64) n-propylbenzene	15.58	120	7381	0.110	ppbv #	1
65) tert-Butylbenzene	16.76	119	11003	0.045	ppbv #	15
66) Benzyl Chloride	17.00	91	284	0.009	ppbv #	70
67) sec-Butylbenzene	17.30	105	1201	0.003	ppbv #	1
69) p-Isopropyltoluene	17.66	119	4888	0.017	ppbv #	1
70) n-Butylbenzene	18.56	91	2232	0.007	ppbv #	1
71) 2-Chlorotoluene	15.30	91	3552	0.017	ppbv	84
72) 4-Ethyltoluene	15.85	105	53947	0.249	ppbv #	51
73) 1,3,5-Trimethylbenzene	16.01	105	65238	0.335	ppbv	90
74) 1,2,4-Trimethylbenzene	16.77	105	286126	1.340	ppbv #	65
75) 1,3-Dichlorobenzene	17.01	146	593	0.005	ppbv #	1
76) 1,4-Dichlorobenzene	17.15	146	1722	0.015	ppbv #	23
77) 1,2-Dichlorobenzene	17.83	146	198	0.002	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.40	225	260	0.002	ppbv #	18
79) Naphthalene	22.20	128	8636	0.050	ppbv #	90
80) Naphthalene,2-methyl-	24.98	142	1802	0.034	ppbv #	87
81) 1,2,4-Trichlorobenzene	21.93	180	403	0.004	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 1161-8.01-A-2

Acq: 17 May 2022 18:19

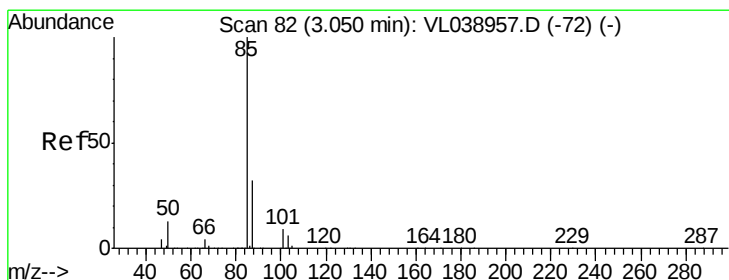
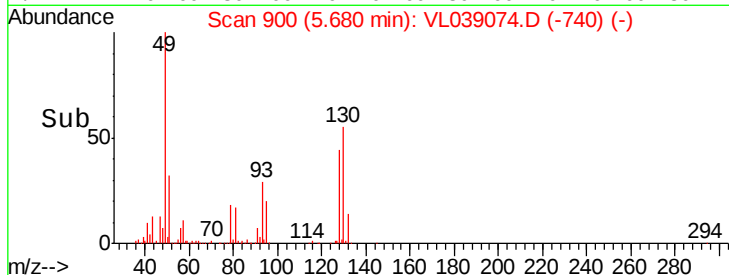
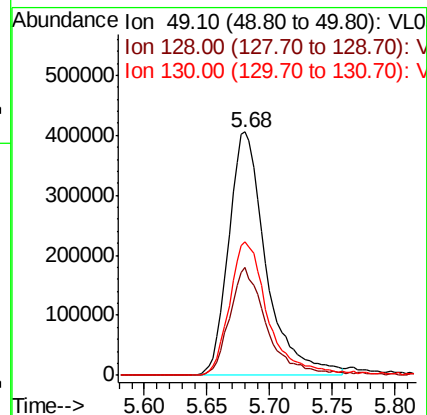
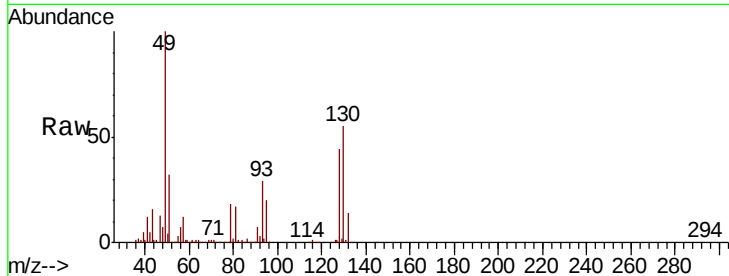
Tot Ion: 49 Resp: 841613

Ion Ratio Lower Upper

49 100

128 44.5 23.3 69.8

130 57.0 29.8 89.3



#2

Dichlorodifluoromethane

Concen: 0.233 ppbv

RT: 3.07 min Scan# 87

Delta R.T. 0.02 min

Lab File: VL039074.D

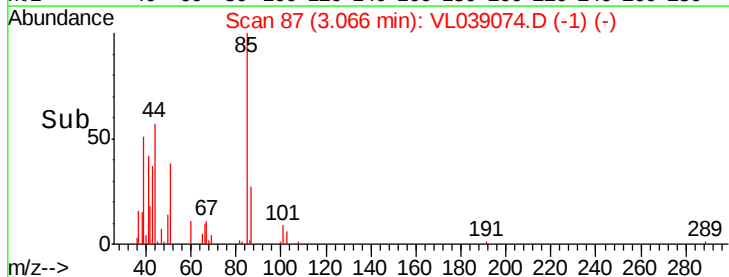
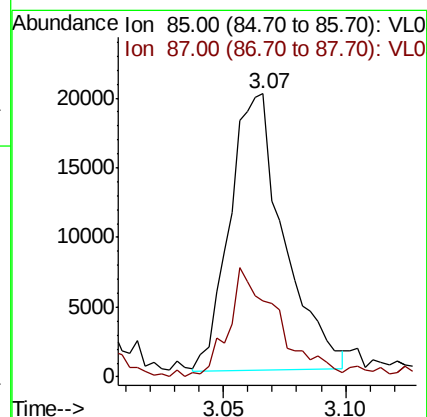
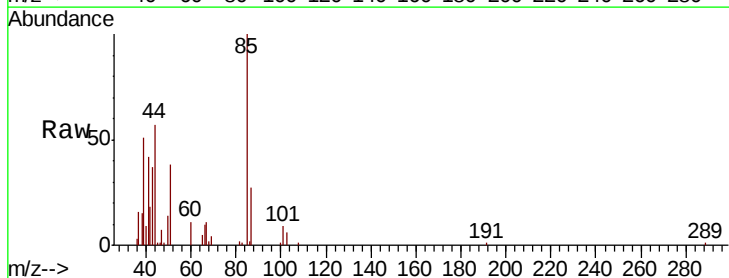
Acq: 17 May 2022 18:19

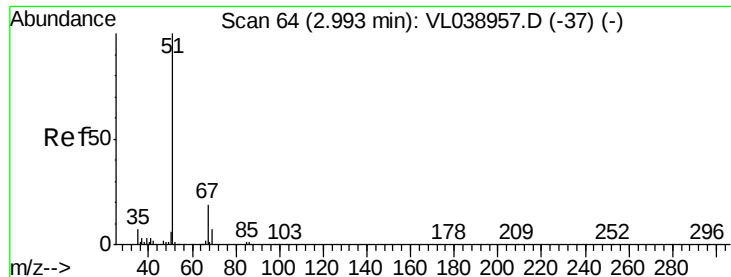
Tgt Ion: 85 Resp: 30736

Ion Ratio Lower Upper

85 100

87 26.1 25.7 38.5





#3

Chlorodifluoromethane

Concen: 6.305 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

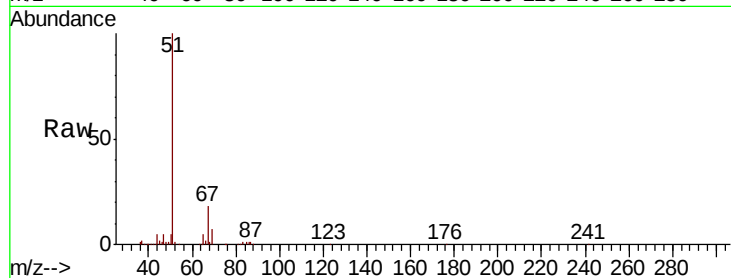
Acq: 17 May 2022 18:19

Tot Ion: 51 Resp: 658414

Ion Ratio Lower Upper

51 100

67 14.4 15.8 23.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.00

250000

200000

150000

100000

50000

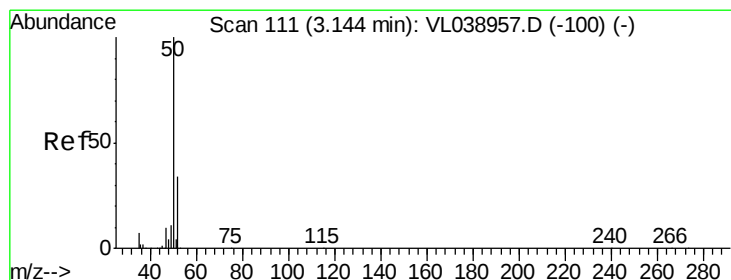
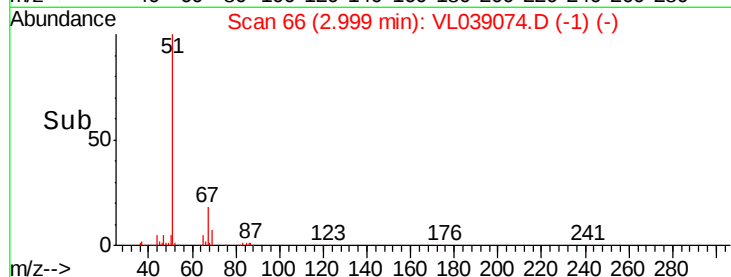
0

Time-->

2.80

3.00

3.20



#4

Chloromethane

Concen: 0.618 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL039074.D

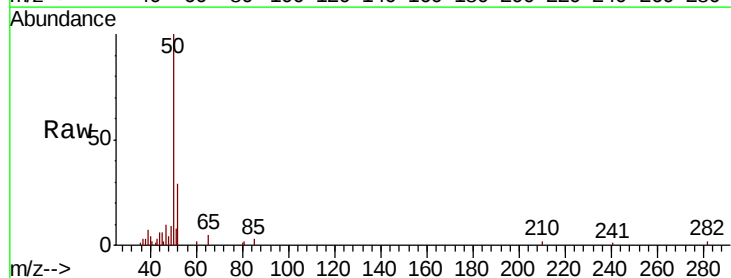
Acq: 17 May 2022 18:19

Tgt Ion: 50 Resp: 32308

Ion Ratio Lower Upper

50 100

52 28.9 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

25000

20000

15000

10000

5000

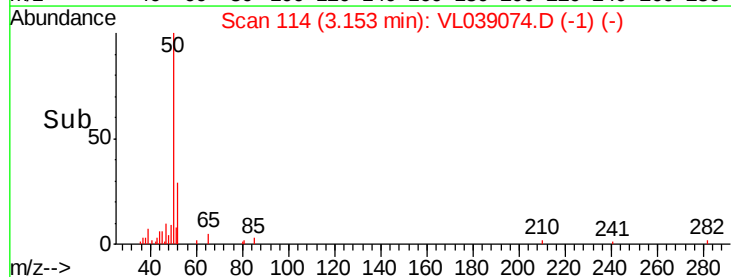
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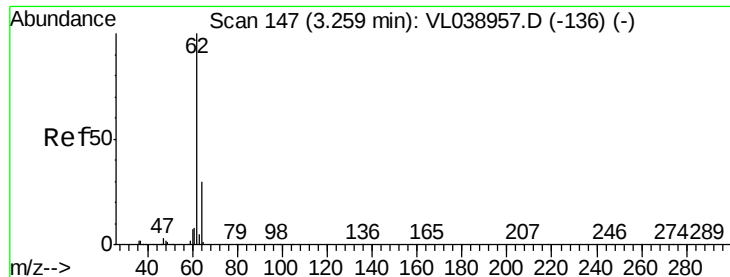
Time-->

3.10

3.15

3.20





#5

Vinyl Chloride

Concen: 0.002 ppbv

RT: 3.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampled:

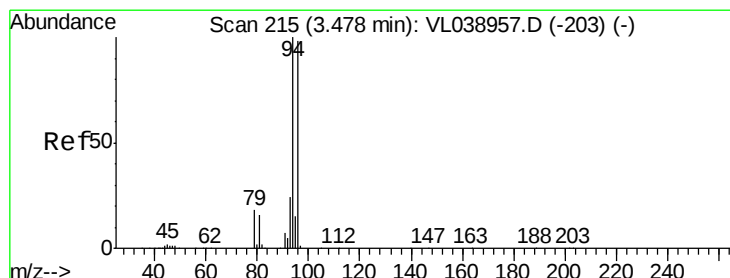
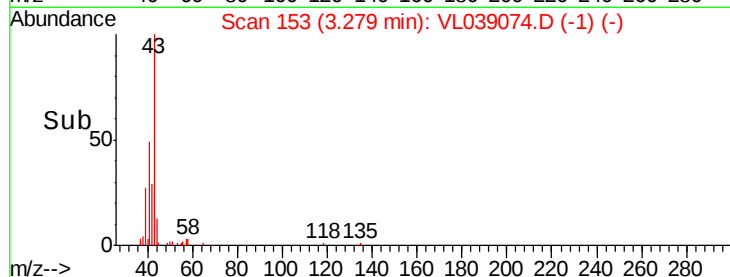
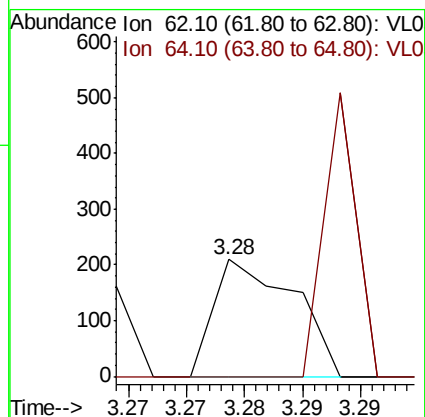
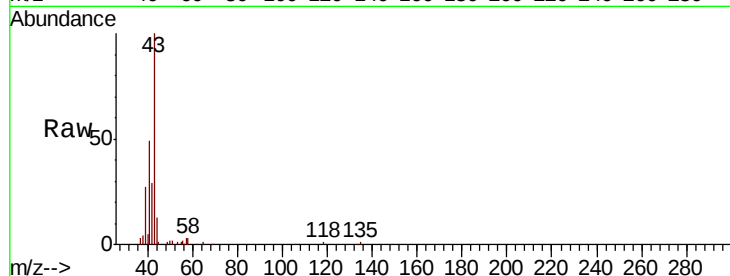
Acq: 17 May 2022 18:19

Tot Ion: 62 Resp: 101

Ion Ratio Lower Upper

62 100

64 0.0 24.2 36.4#



#6

Bromomethane

Concen: 0.053 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL039074.D

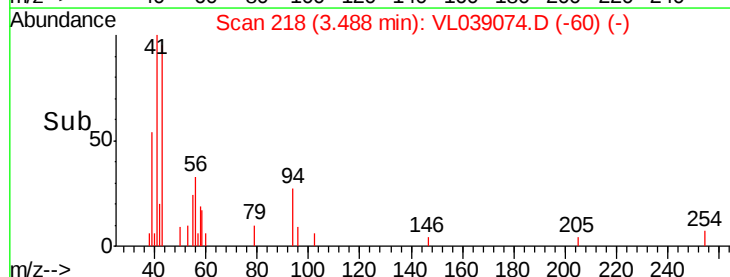
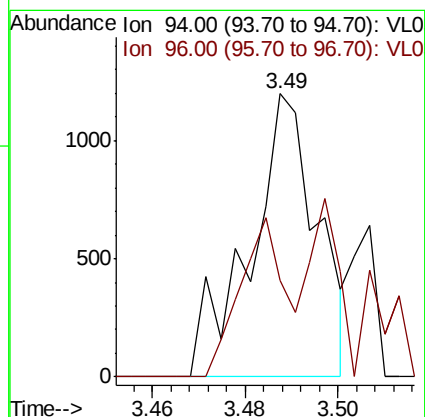
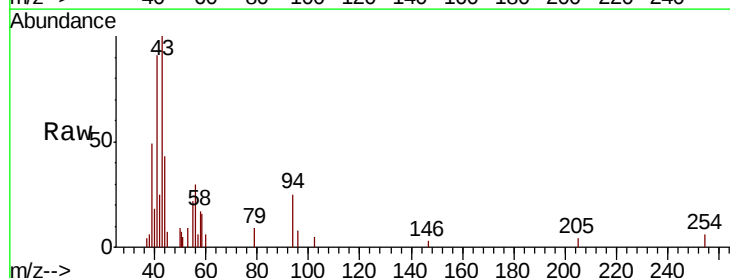
Acq: 17 May 2022 18:19

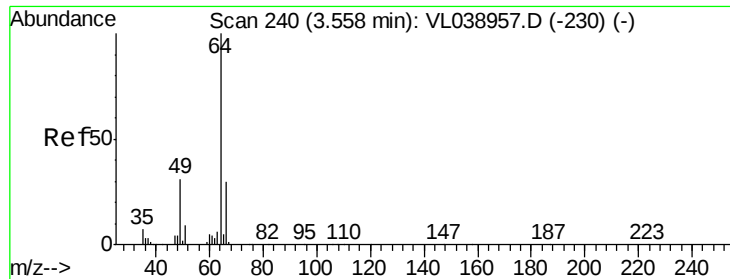
Tgt Ion: 94 Resp: 1204

Ion Ratio Lower Upper

94 100

96 34.0 78.1 117.1#





#7

Chloroethane

Concen: 0.006 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

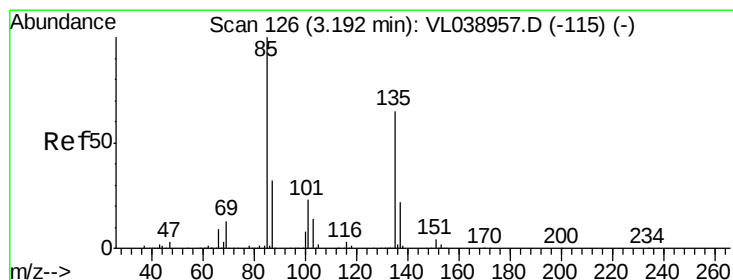
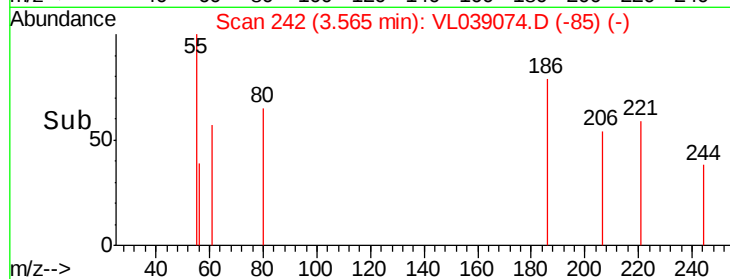
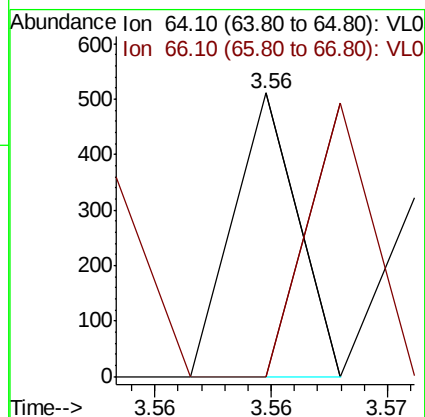
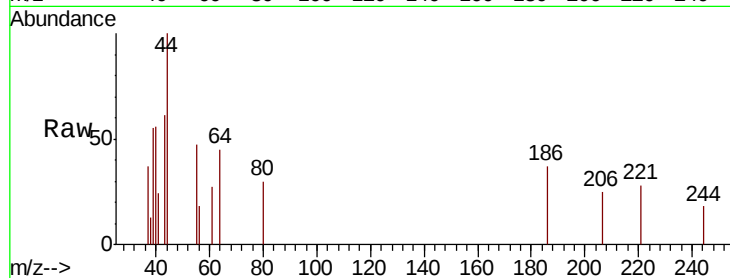
Acq: 17 May 2022 18:19

Tot Ion: 64 Resp: 98

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.8#



#8

Dichlorotetrafluoroethane

Concen: 0.008 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL039074.D

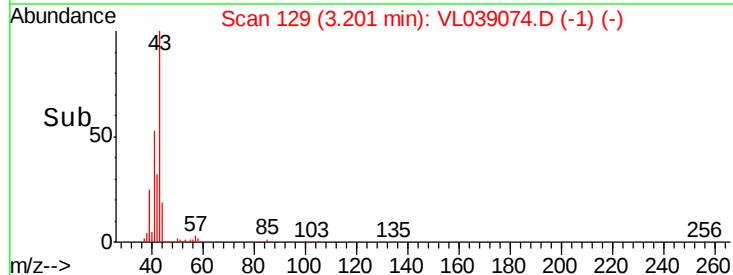
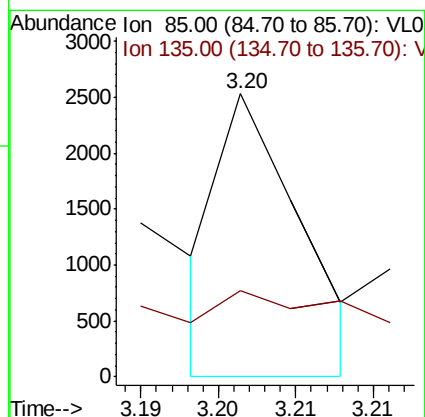
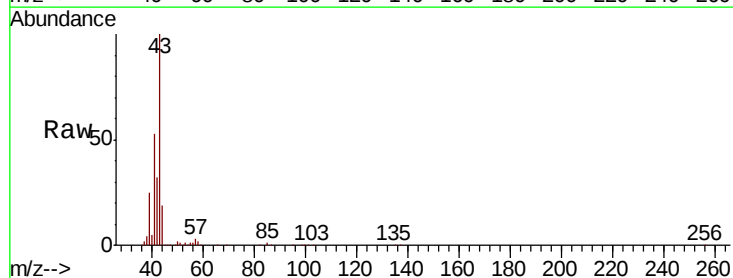
Acq: 17 May 2022 18:19

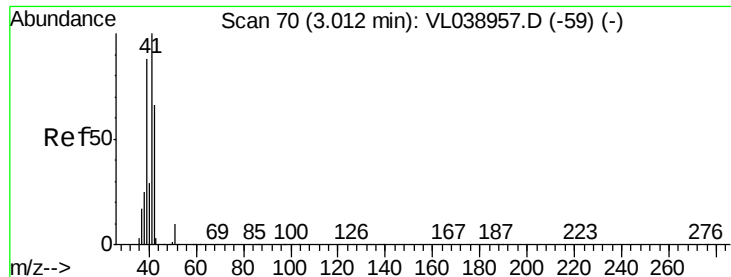
Tgt Ion: 85 Resp: 922

Ion Ratio Lower Upper

85 100

135 141.1 53.6 80.4#





#9

Propene

Concen: 30.521 ppbv

RT: 3.22 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

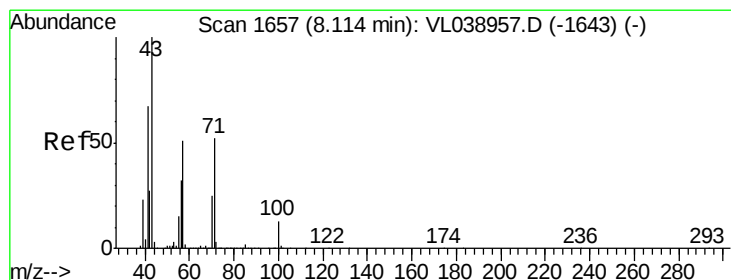
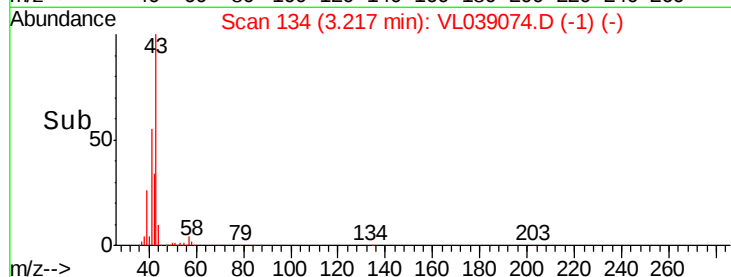
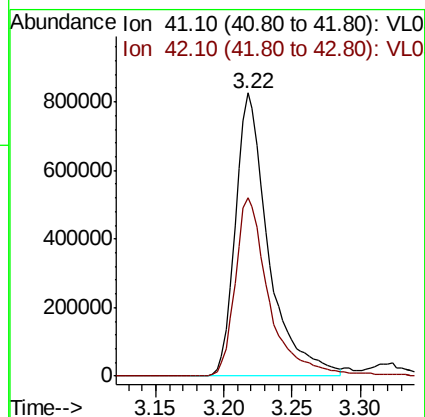
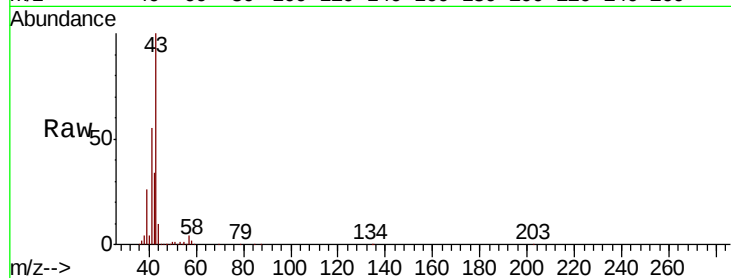
Acq: 17 May 2022 18:19

Tot Ion: 41 Resp: 1391981

Ion Ratio Lower Upper

41 100

42 65.2 58.3 87.5



#10

Heptane

Concen: 0.475 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.02 min

Lab File: VL039074.D

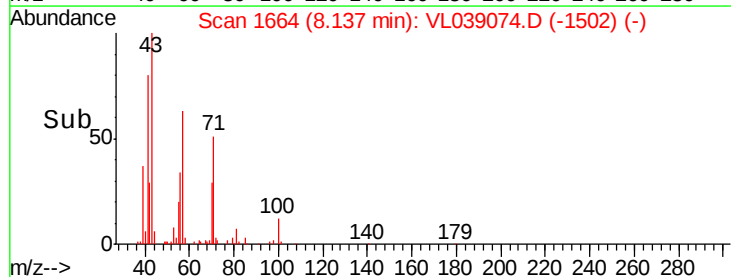
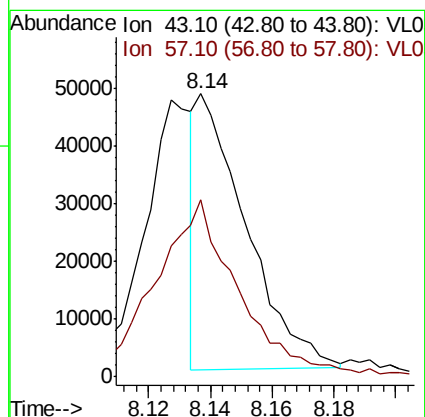
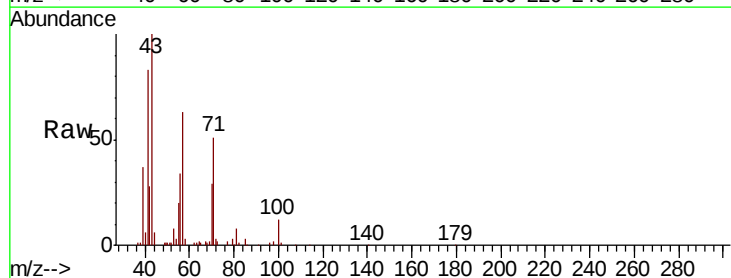
Acq: 17 May 2022 18:19

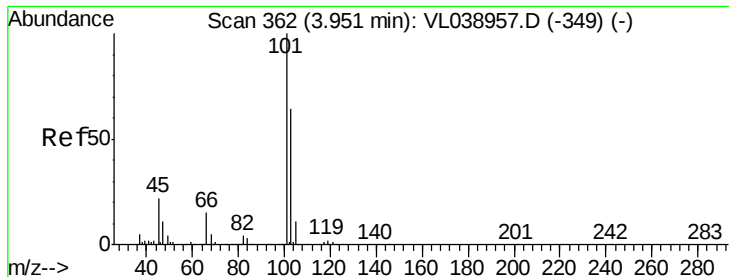
Tgt Ion: 43 Resp: 53118

Ion Ratio Lower Upper

43 100

57 112.7 40.5 60.7#





#11

Trichlorofluoromethane

Concen: 0.268 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

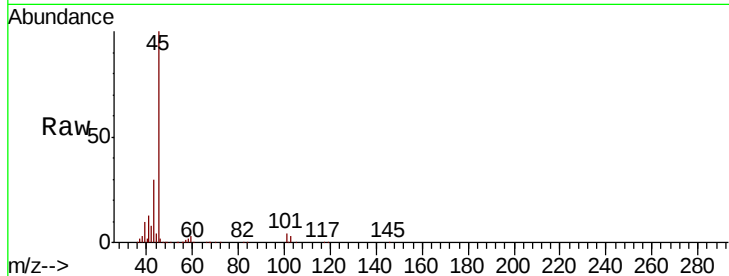
Acq: 17 May 2022 18:19

Tot Ion:101 Resp: 30368

Ion Ratio Lower Upper

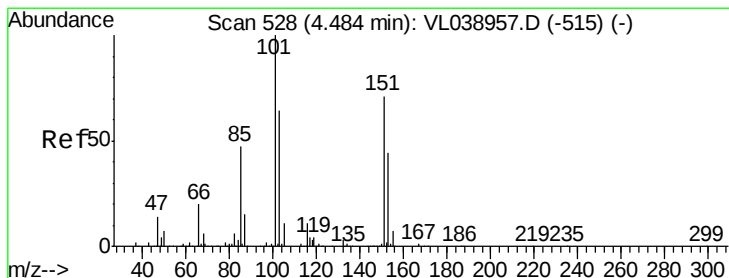
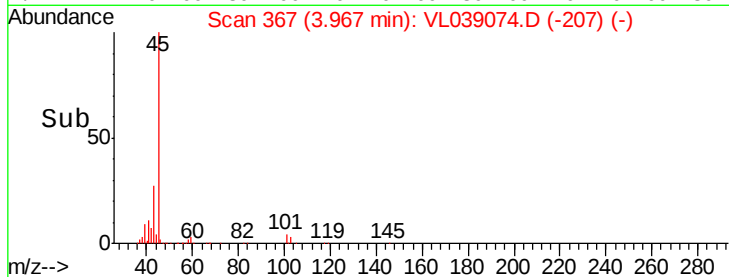
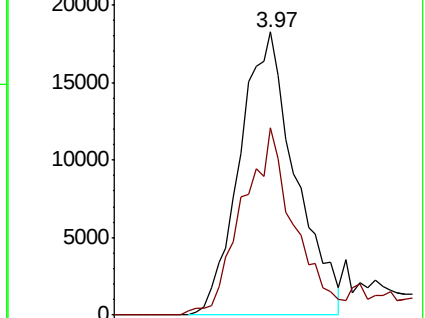
101 100

103 64.6 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.030 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL039074.D

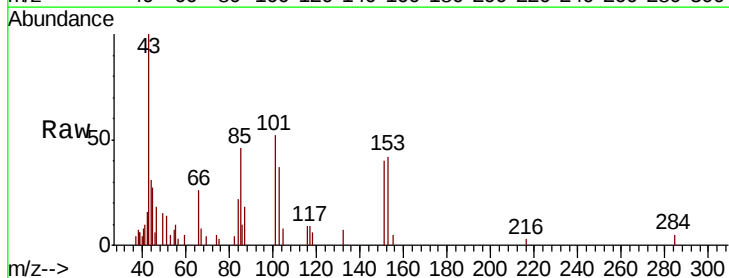
Acq: 17 May 2022 18:19

Tgt Ion:101 Resp: 2309

Ion Ratio Lower Upper

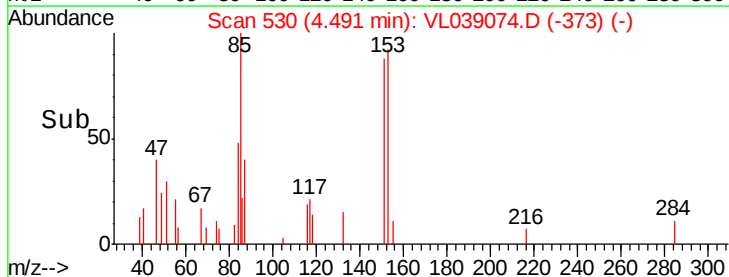
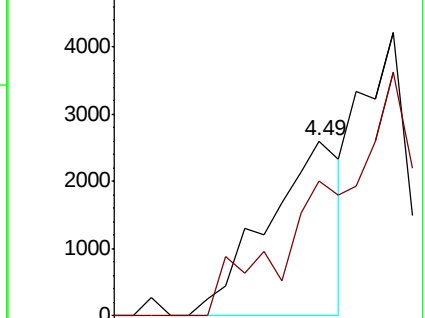
101 100

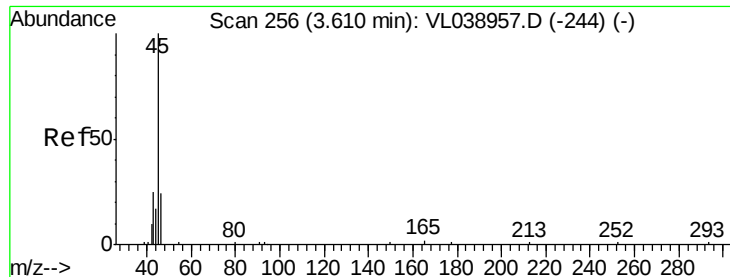
151 0.0 55.4 83.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 531.795 ppbv

RT: 3.61

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

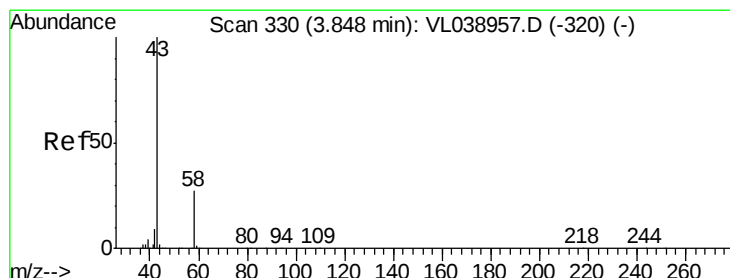
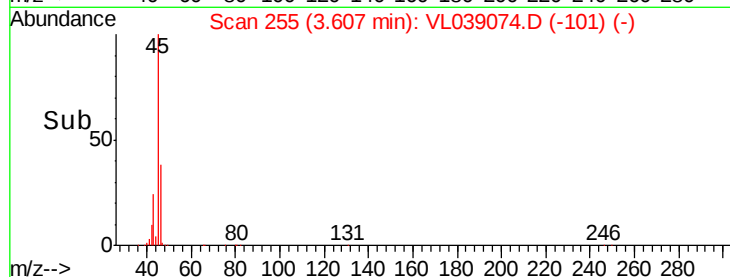
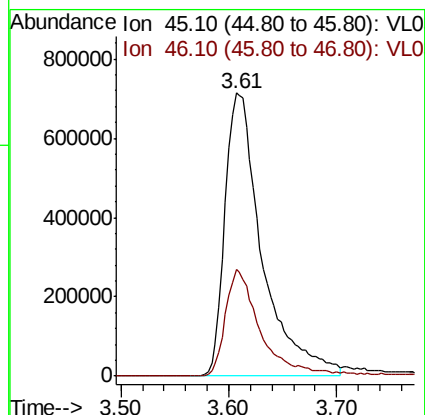
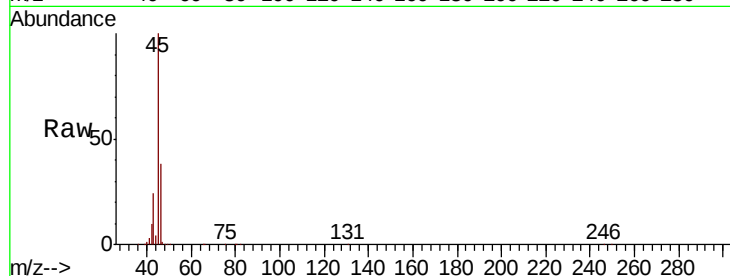
Acq: 17 May 2022 18:19

Tot Ion: 45 Resp: 1716364

Ion Ratio Lower Upper

45 100

46 36.8 18.0 72.2



#15

Acetone

Concen: 22.975 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL039074.D

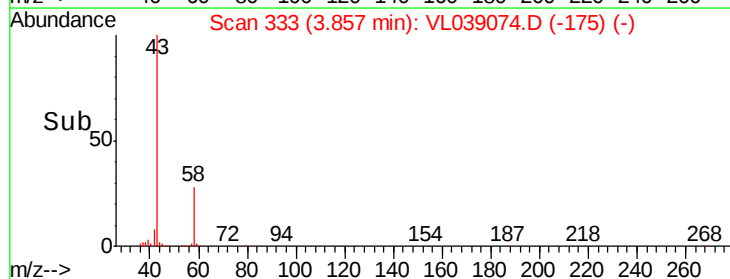
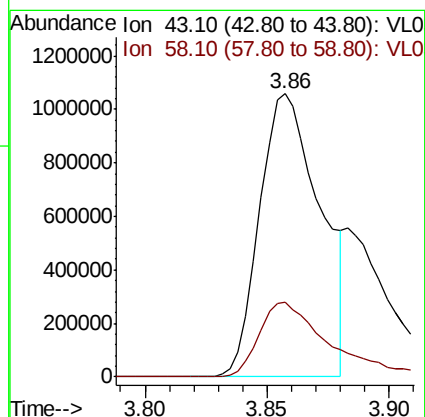
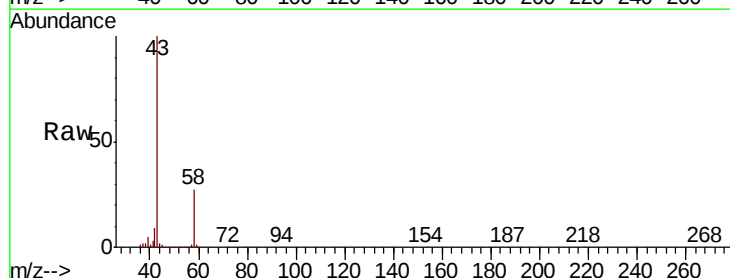
Acq: 17 May 2022 18:19

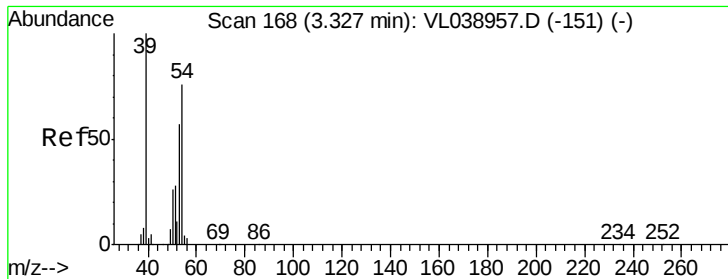
Tgt Ion: 43 Resp: 1823932

Ion Ratio Lower Upper

43 100

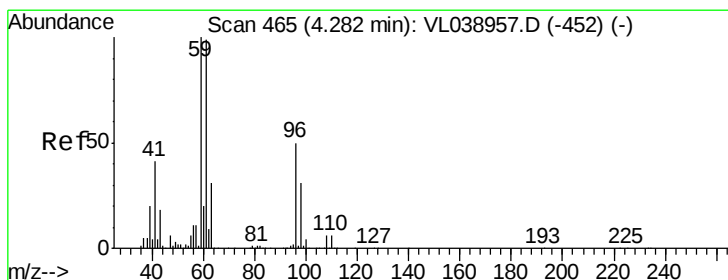
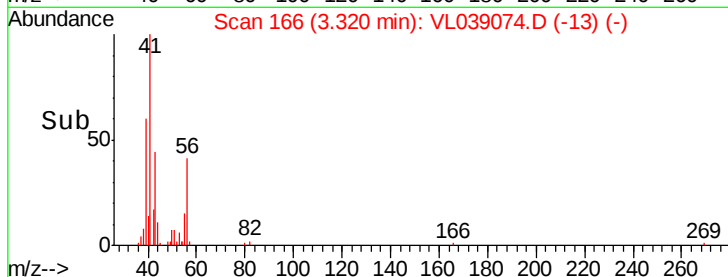
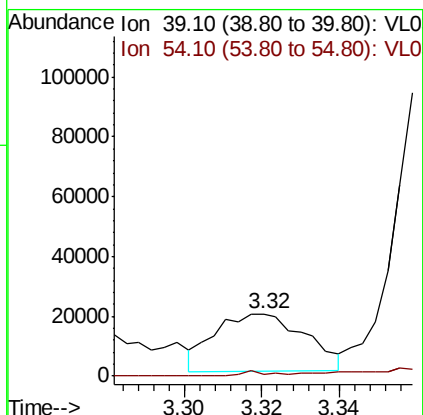
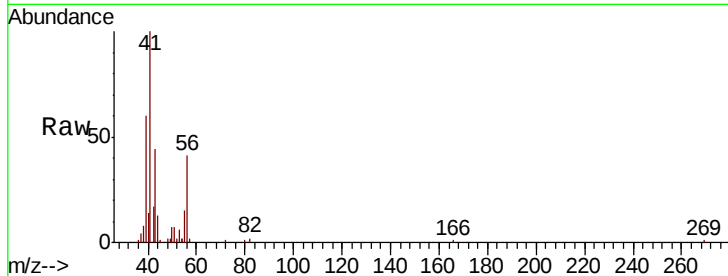
58 31.9 21.3 31.9#





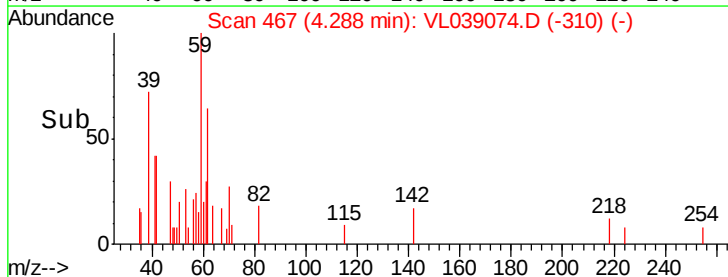
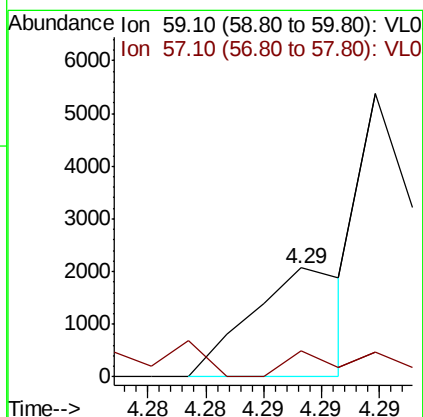
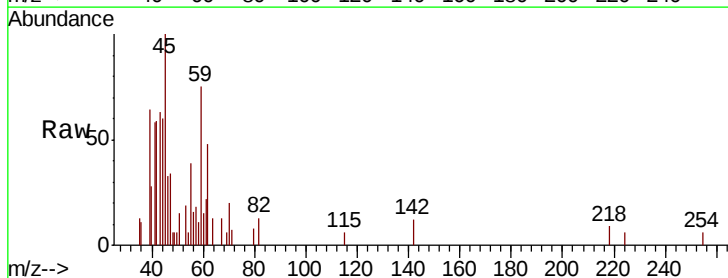
#16
 1,3-Butadiene
 Concen: 0.678 ppbv
 RT: 3.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : 1161-8.01-1A-2
 Acq: 17 May 2022 18:19

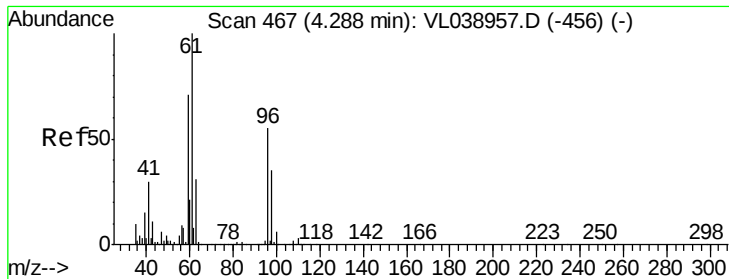
Tot Ion: 39 Resp: 30927
 Ion Ratio Lower Upper
 39 100
 54 3.0 65.2 97.8#



#17
 tert-Butyl alcohol
 Concen: 0.020 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. 0.01 min
 Lab File: VL039074.D
 Acq: 17 May 2022 18:19

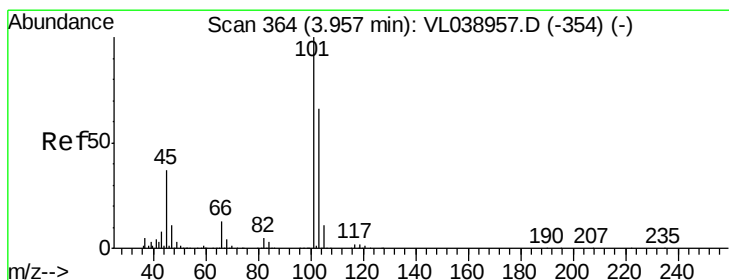
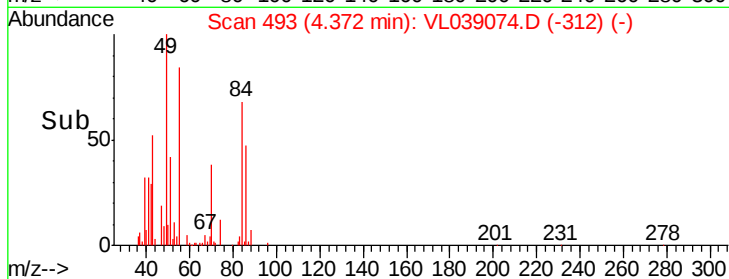
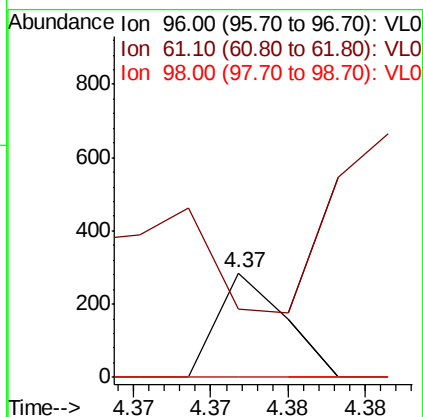
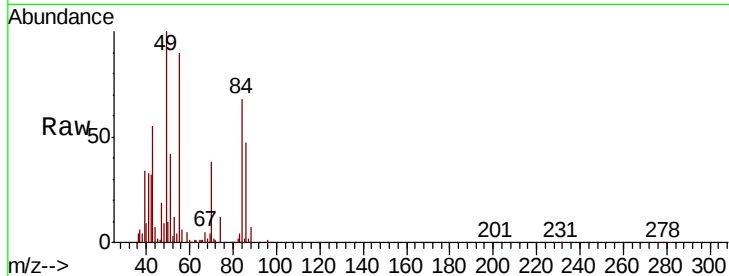
Tgt Ion: 59 Resp: 1191
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.2 13.8#





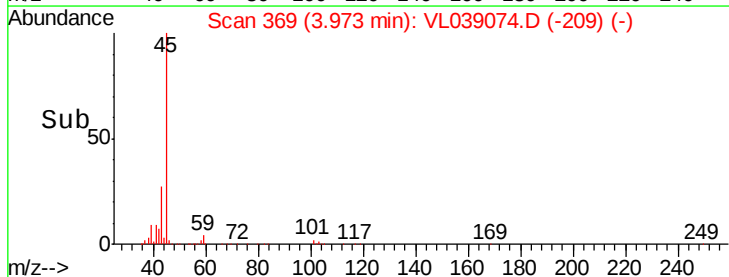
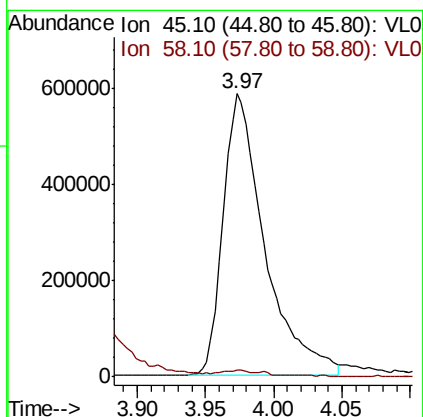
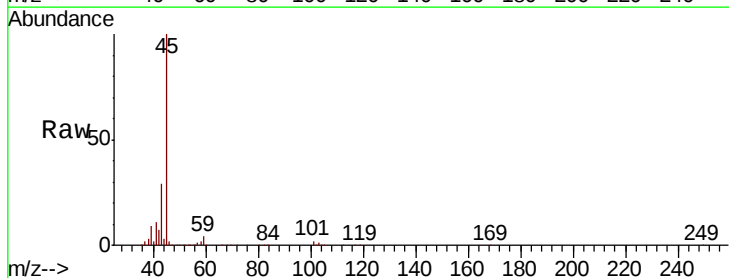
#18
 1,1-Dichloroethene
 Concen: 0.003 ppbv
 RT: 4.37
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 1161-8.01-A-2
 Acq: 17 May 2022 18:19

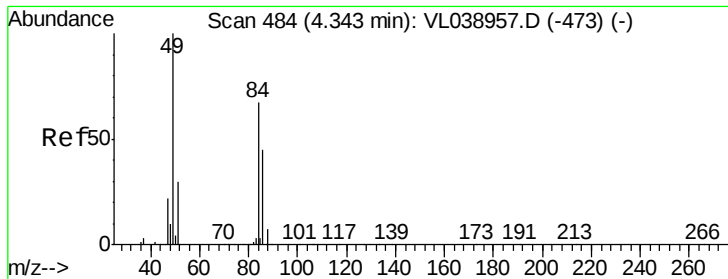
Tot Ion: 96 Resp: 85
 Ion Ratio Lower Upper
 96 100
 61 0.0 146.3 219.5#
 98 0.0 50.6 75.8#



#19
 Isopropyl Alcohol
 Concen: 32.906 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.02 min
 Lab File: VL039074.D
 Acq: 17 May 2022 18:19

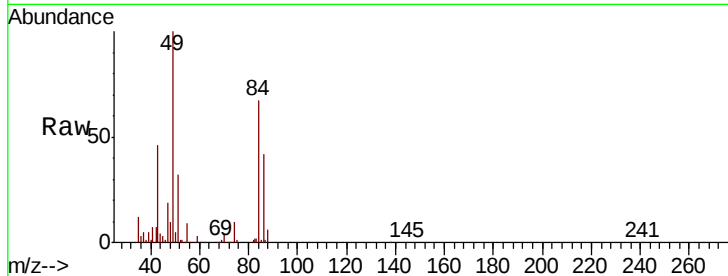
Tgt Ion: 45 Resp: 1242073
 Ion Ratio Lower Upper
 45 100
 58 3.8 1.4 2.2#





#20
Methylene Chloride
Concen: 4.491 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 17 May 2022 18:19

Tot Ion:	84	Resp:	134387
Ion	Ratio	Lower	Upper
84	100		
49	149.1	119.9	179.9
51	47.2	35.7	53.5
86	63.2	53.8	80.6



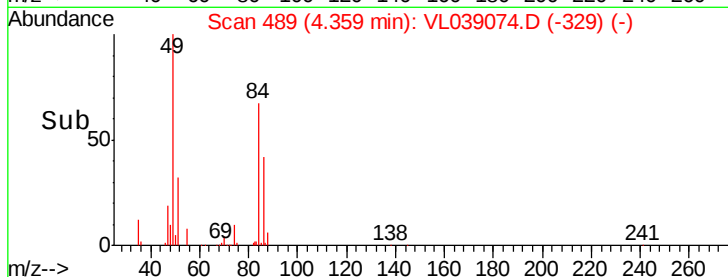
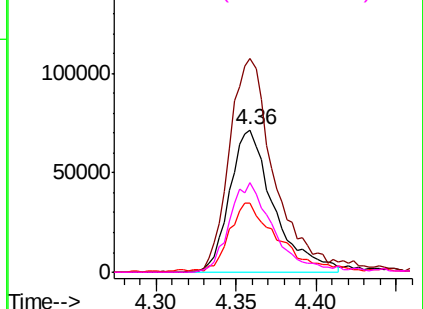
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

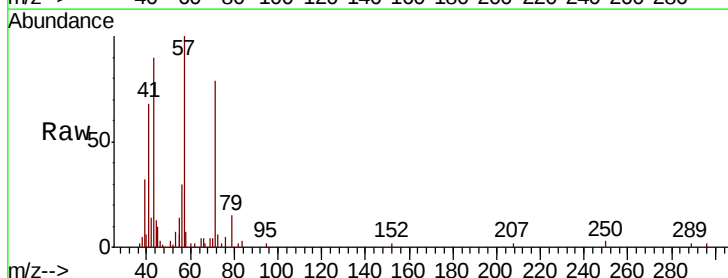
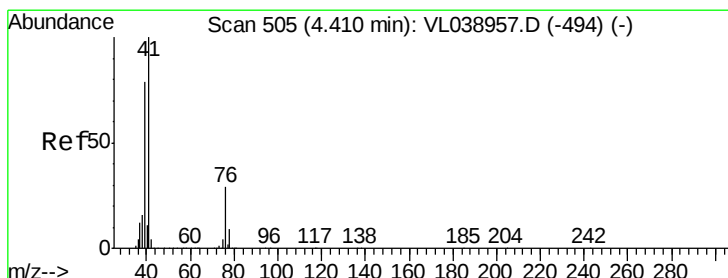
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.201 ppbv
RT: 4.61 min Scan# 566
Delta R.T.: 0.20 min
Lab File: VL039074.D
Acq: 17 May 2022 18:19

Tgt Ion:	41	Resp:	10850
Ion	Ratio	Lower	Upper
41	100		
76	31.7	24.2	36.4
39	89.4	63.8	95.8

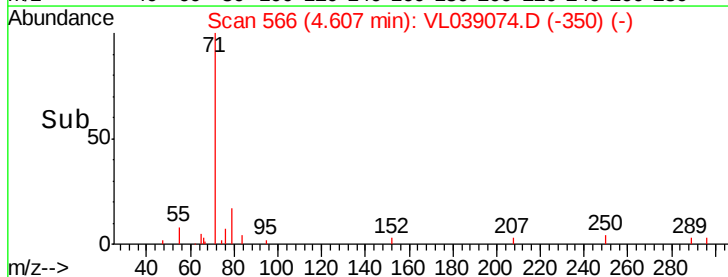
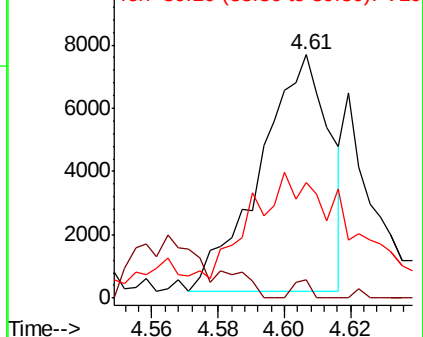


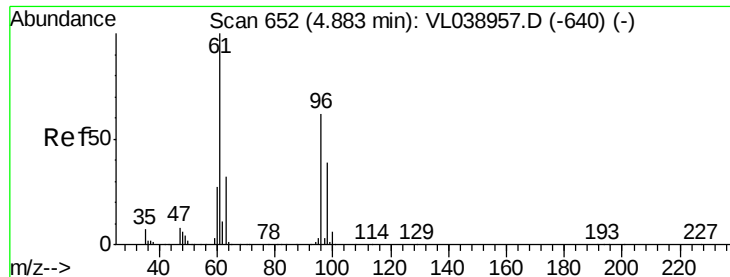
Abundance

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





#22

trans-1,2-Dichloroethene

Concen: 0.005 ppbv

RT: 4.89 Instrument: MSVOA_1

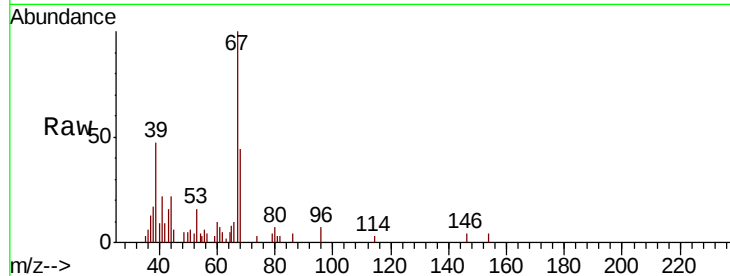
Delta R.T. ClientSampleId:

Lab File: 1161-8.01-A-2

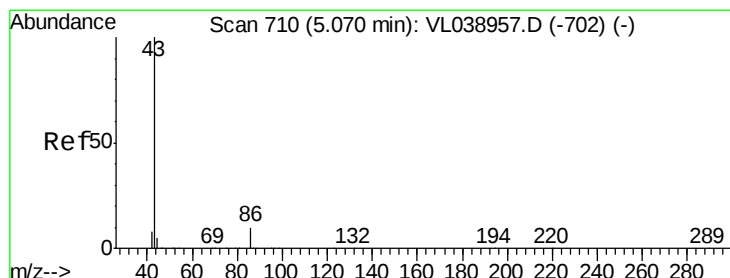
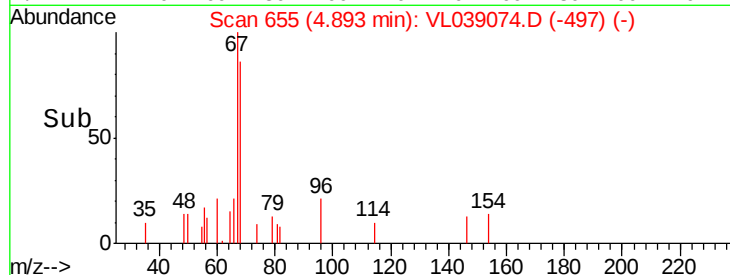
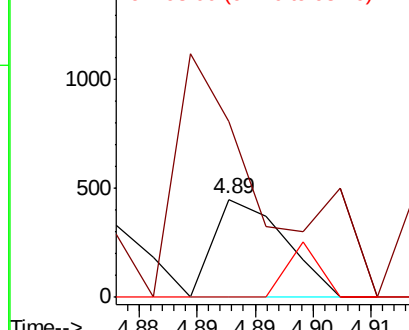
Acq: 17 May 2022 18:19

Tot Ion: 96 Resp: 192

Ion	Ratio	Lower	Upper
96	100		
61	68.4	128.2	192.2#
98	0.0	50.1	75.1#



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 1.055 ppbv

RT: 5.08 min Scan# 713

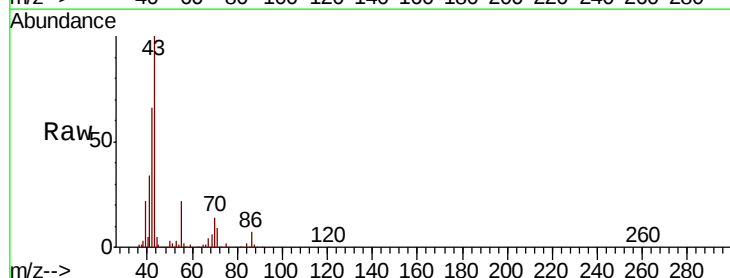
Delta R.T. 0.01 min

Lab File: VL039074.D

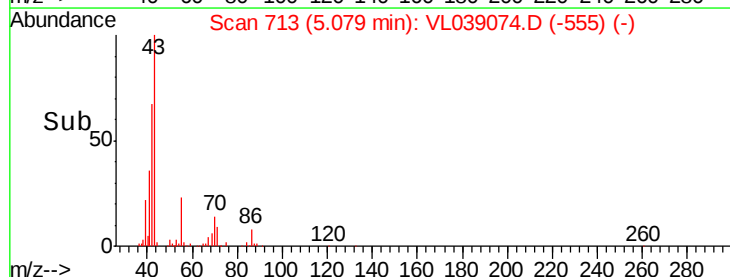
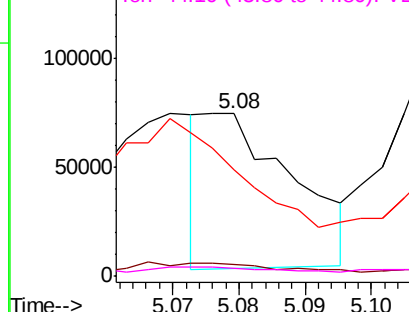
Acq: 17 May 2022 18:19

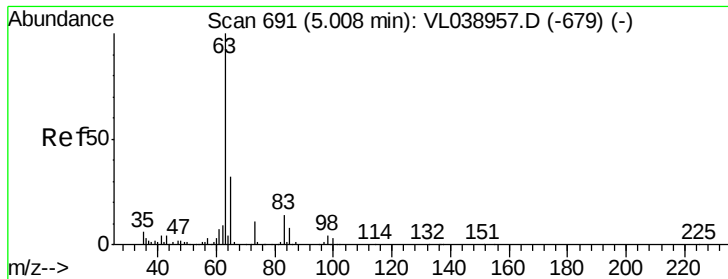
Tgt Ion: 43 Resp: 66266

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.6	9.8
42	59.8	8.1	12.1#
44	3.6	3.5	5.3



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





#24

1,1-Dichloroethane

Concen: 0.002 ppbv

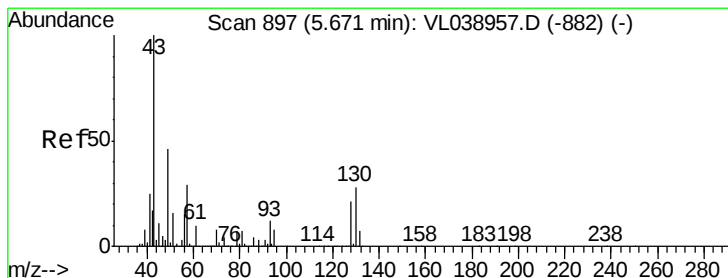
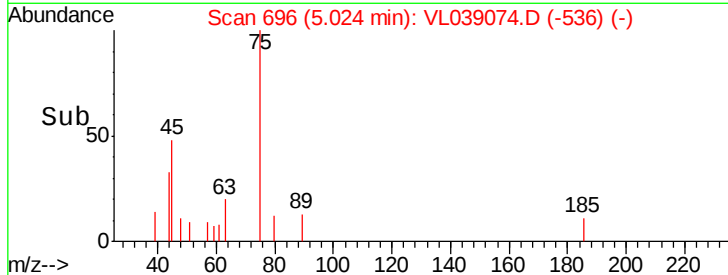
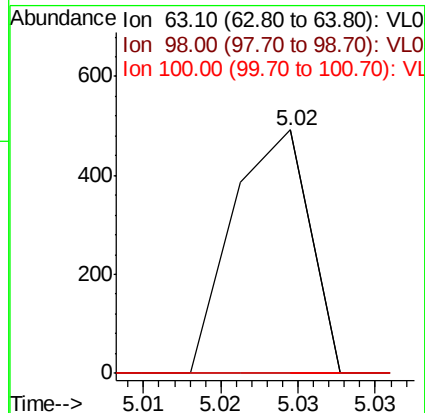
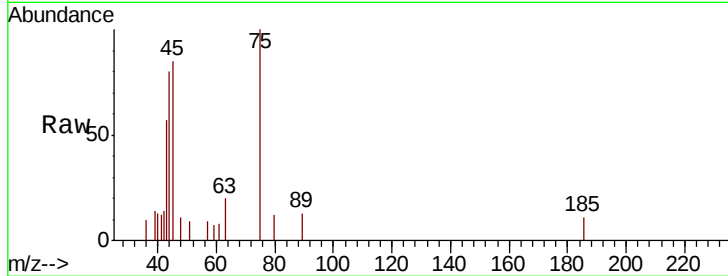
RT: 5.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 18:19

Tot Ion:	63	Resp:	169
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.2#
100	0.0	1.4	4.2#



#25

Ethyl Acetate

Concen: 1.798 ppbv

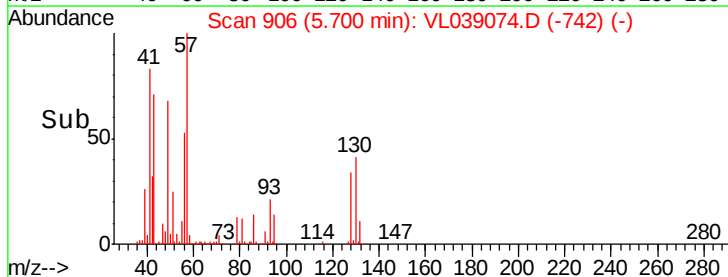
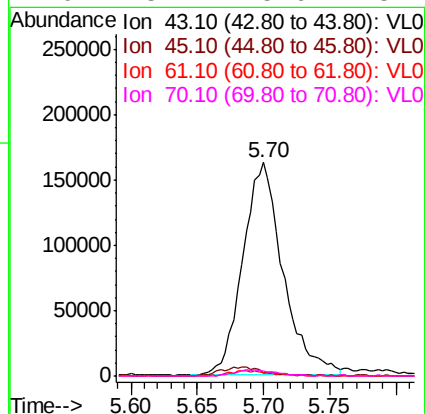
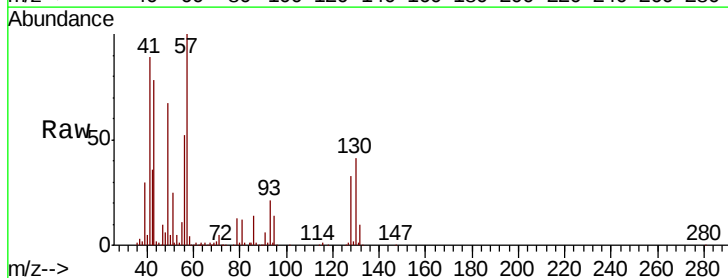
RT: 5.70 min Scan# 906

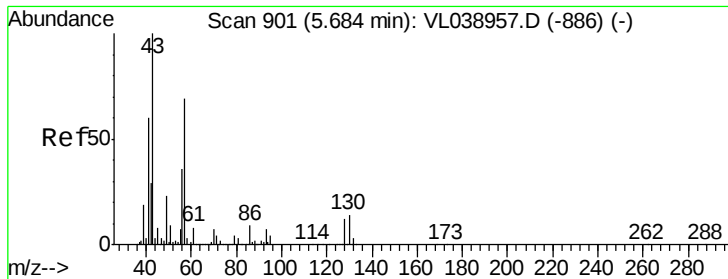
Delta R.T. 0.03 min

Lab File: VL039074.D

Acq: 17 May 2022 18:19

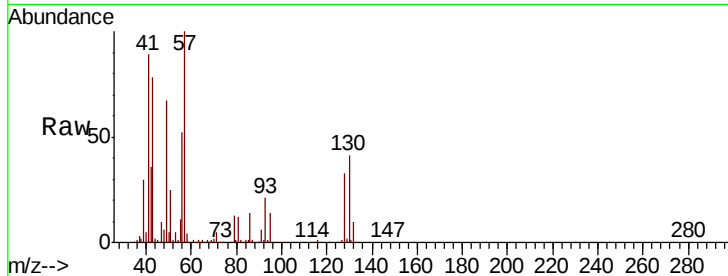
Tgt Ion:	43	Resp:	341638
Ion	Ratio	Lower	Upper
43	100		
45	4.9	8.1	12.1#
61	2.7	7.8	11.6#
70	3.1	5.6	8.4#



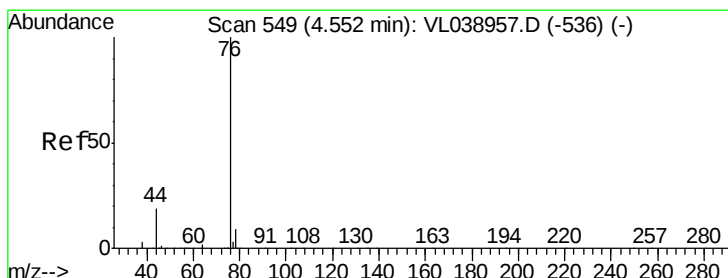
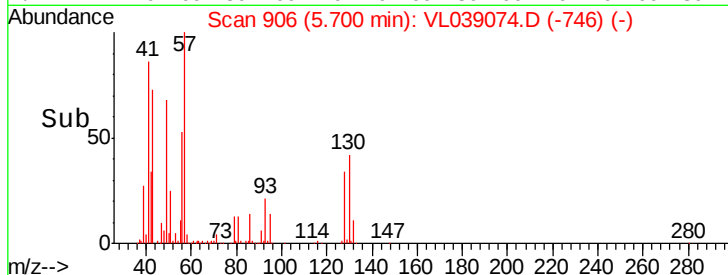
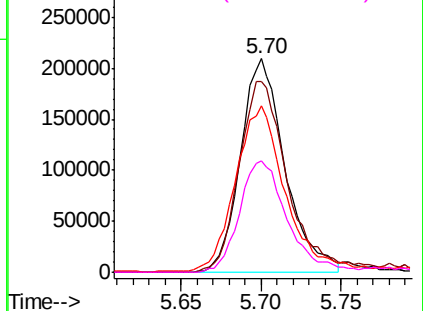


#26
Hexane
Concen: 4.711 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 May 2022 18:19

Tot Ion:	57	Resp:	397757
Ion	Ratio	Lower	Upper
57	100		
41	100.9	75.2	112.8
43	87.5	190.8	286.2#
56	59.0	43.0	64.6

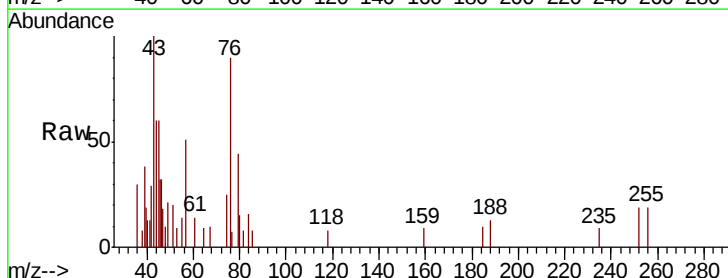


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

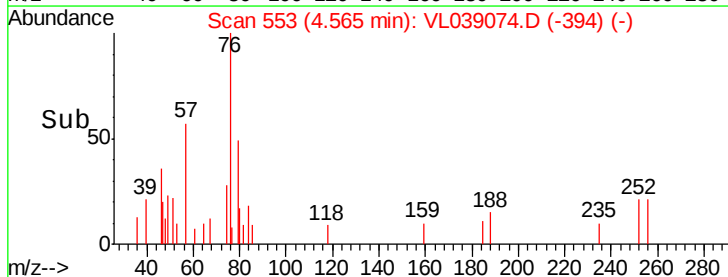
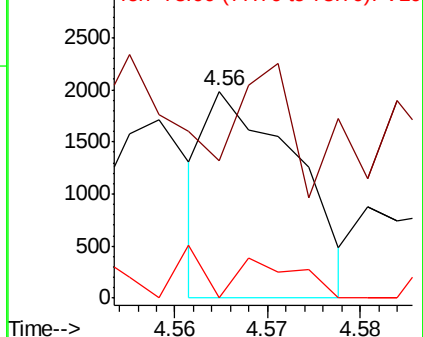


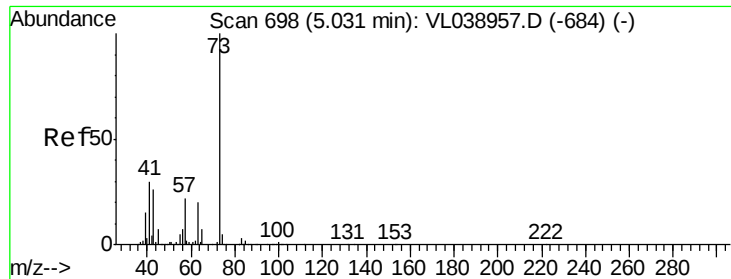
#27
Carbon Disulfide
Concen: 0.017 ppbv
RT: 4.56 min Scan# 553
Delta R.T. 0.01 min
Lab File: VL039074.D
Acq: 17 May 2022 18:19

Tgt Ion:	76	Resp:	1330
Ion	Ratio	Lower	Upper
76	100		
44	0.0	15.3	22.9#
78	23.7	8.2	12.2#



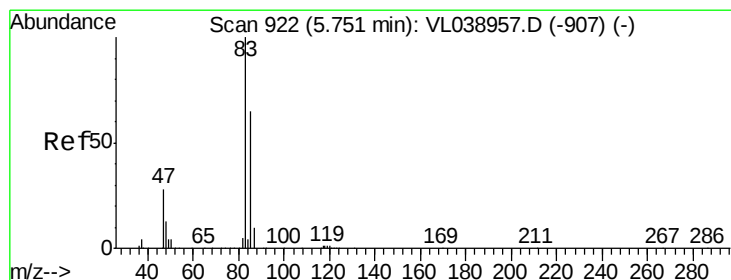
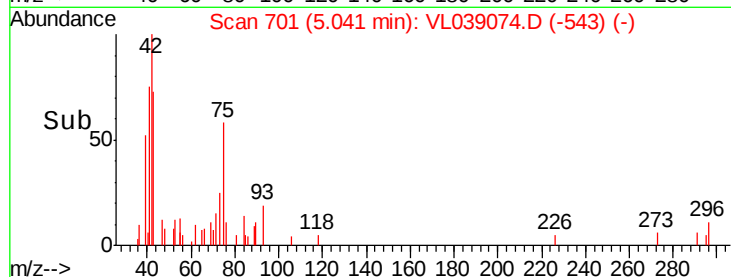
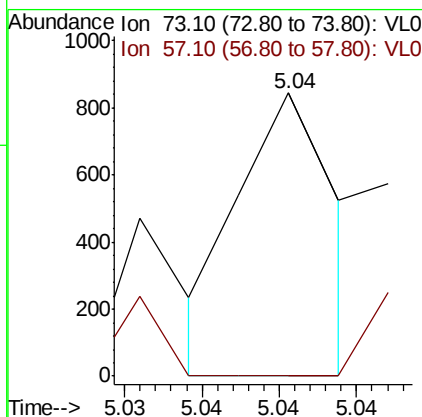
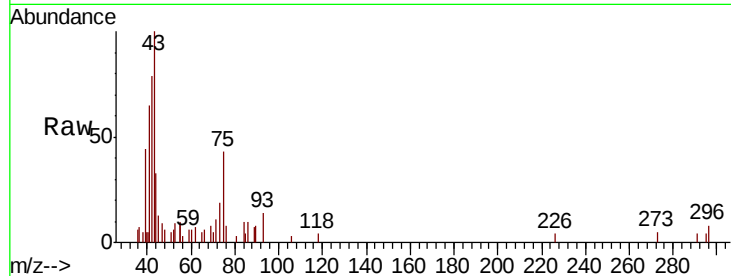
Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





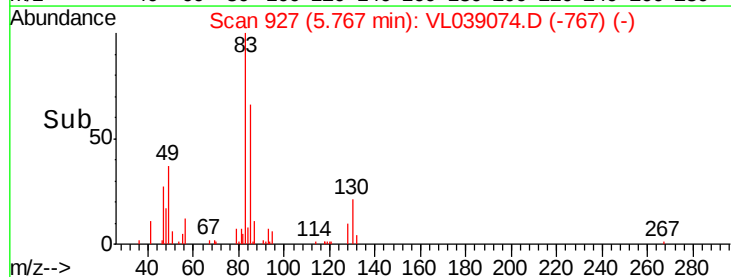
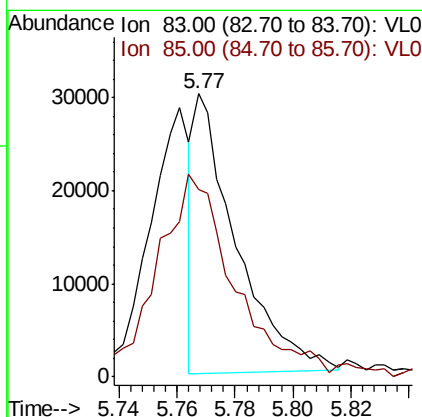
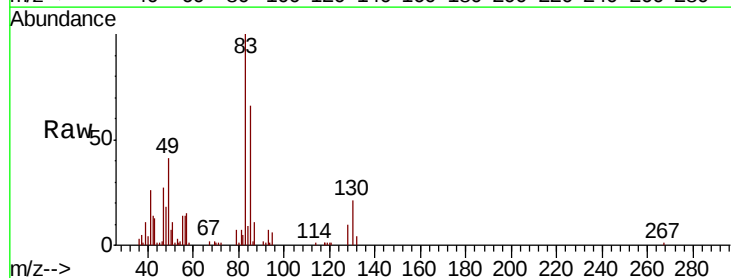
#28
Methvl tert-Butvl Ether
Concen: 0.006 ppbv
RT: 5.04 Instrument: MSVOA_1
Delta R.T. ClientSampleId:
Lab File: 1161-8.01-1A-2
Acq: 17 May 2022 18:19

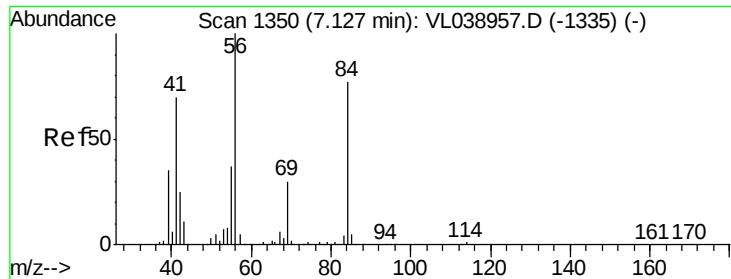
Tot Ion: 73 Resp: 369
Ion Ratio Lower Upper
73 100
57 0.0 18.8 28.2#



#29
Chloroform
Concen: 0.221 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.02 min
Lab File: VL039074.D
Acq: 17 May 2022 18:19

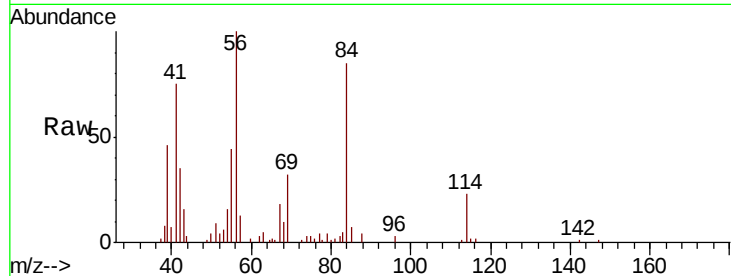
Tgt Ion: 83 Resp: 30150
Ion Ratio Lower Upper
83 100
85 64.3 51.8 77.6



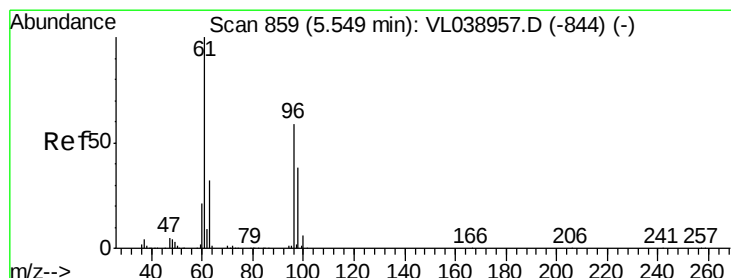
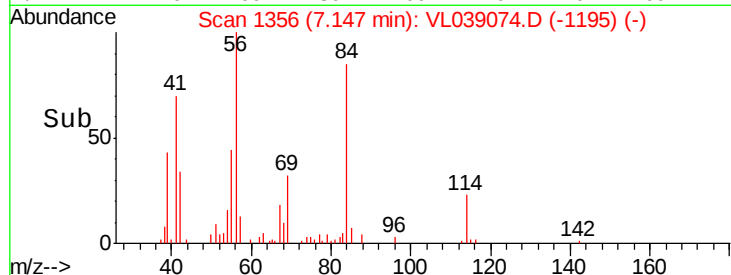
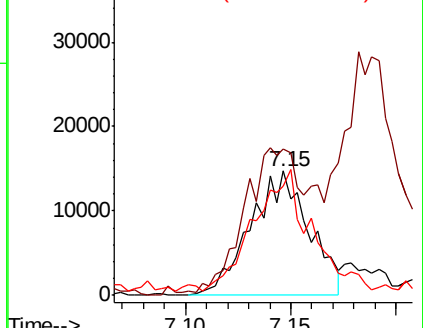


#30
Cvclohexane
Concen: 0.400 ppbv
RT: 7.15
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 May 2022 18:19

Tot Ion: 84 Resp: 28294
Ion Ratio Lower Upper
84 100
56 138.5 115.3 172.9
41 93.5 72.0 108.0

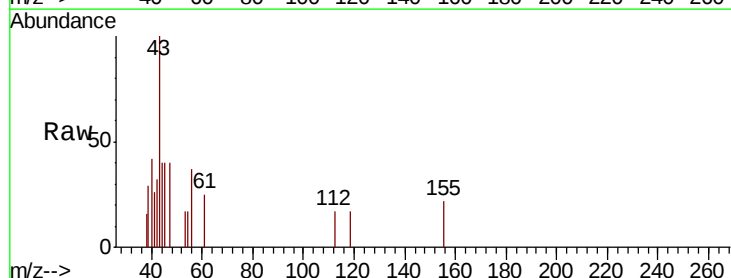


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

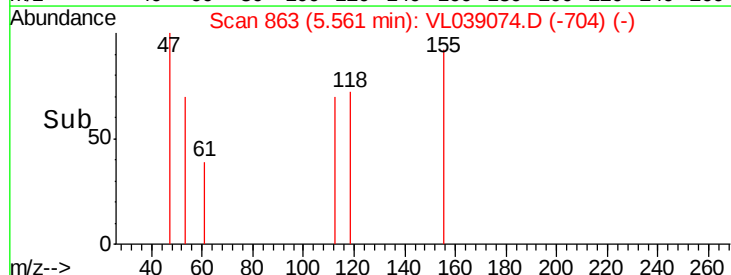
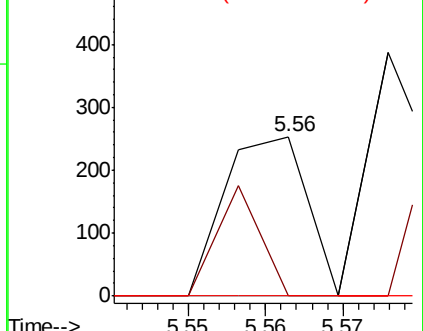


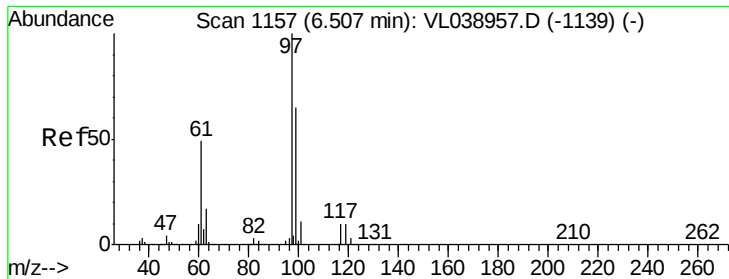
#31
cis-1,2-Dichloroethene
Concen: 0.001 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.01 min
Lab File: VL039074.D
Acq: 17 May 2022 18:19

Tgt Ion: 61 Resp: 94
Ion Ratio Lower Upper
61 100
96 0.0 47.4 71.0#
98 0.0 30.6 45.8#



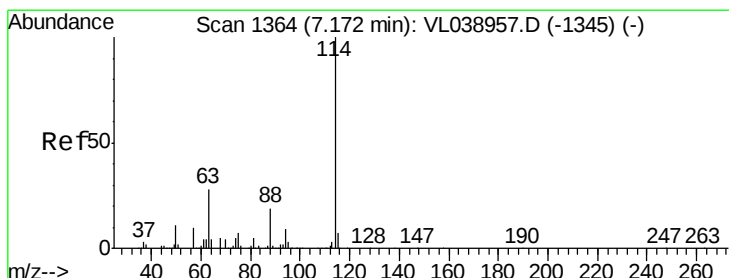
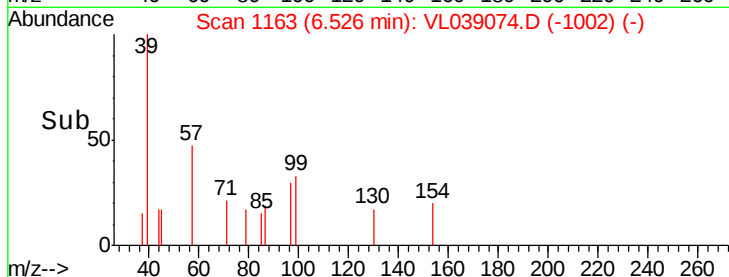
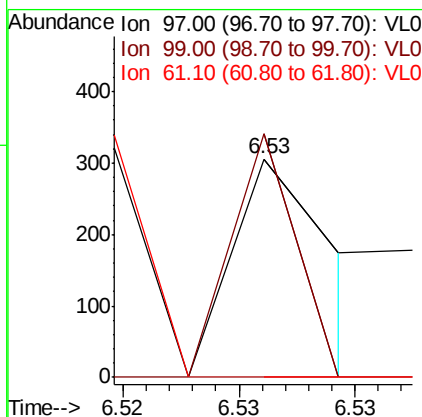
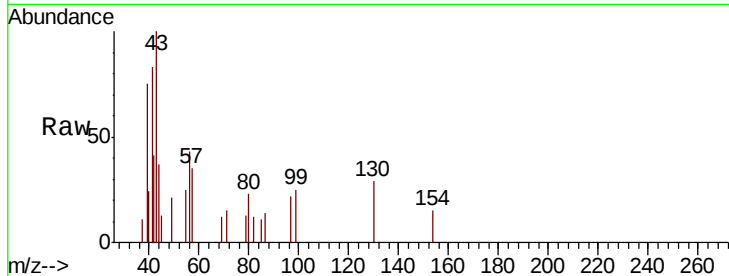
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0





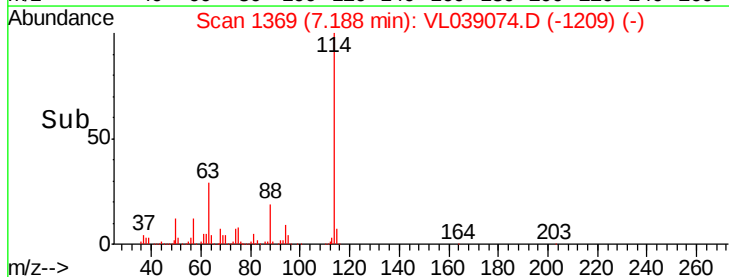
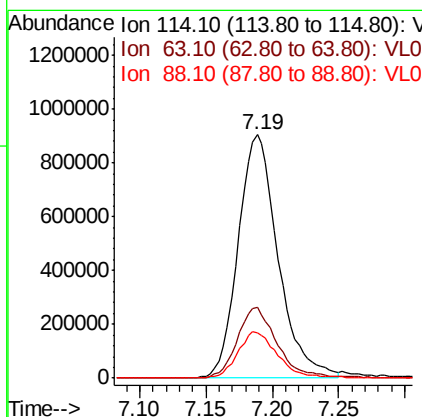
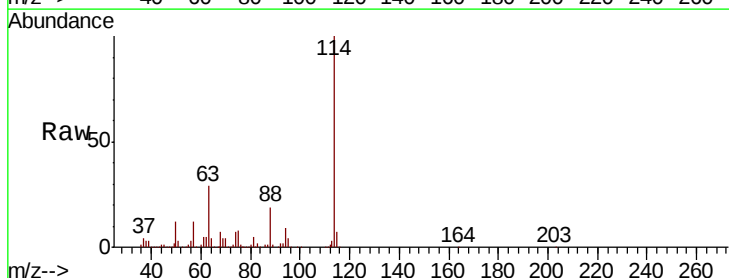
#32
 1,1,1-Trichloroethane
 Concen: 0.001 ppbv
 RT: 6.53
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 1161-8.01-A-2
 Acq: 17 May 2022 18:19

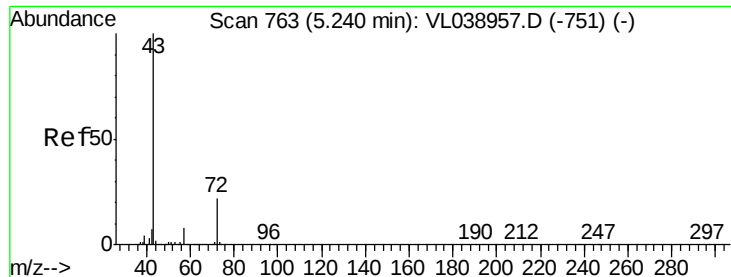
Tot Ion: 97 Resp: 93
 Ion Ratio Lower Upper
 97 100
 99 225.8 51.9 77.9#
 61 159.1 40.9 61.3#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL039074.D
 Acq: 17 May 2022 18:19

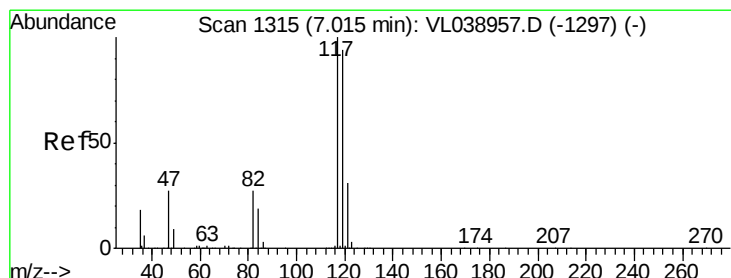
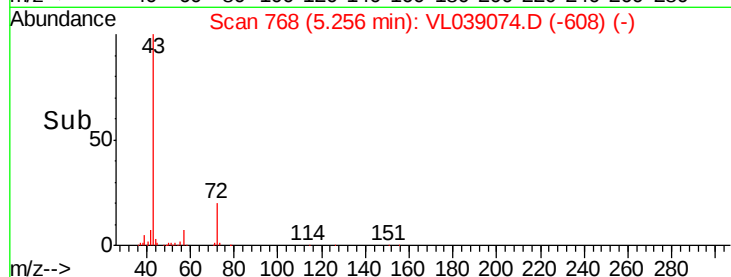
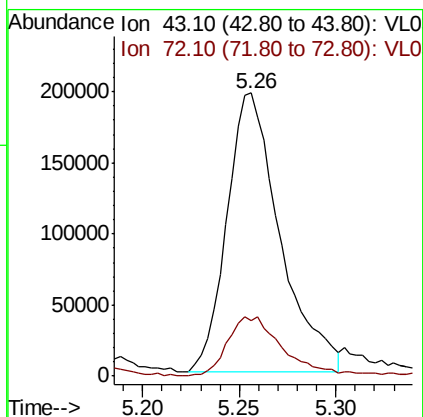
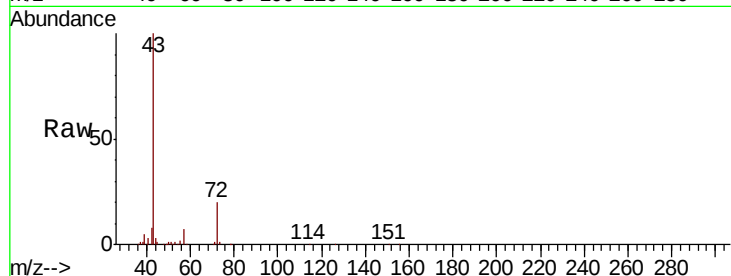
Tgt Ion: 114 Resp: 1895008
 Ion Ratio Lower Upper
 114 100
 63 29.3 22.6 33.8
 88 19.3 15.4 23.0





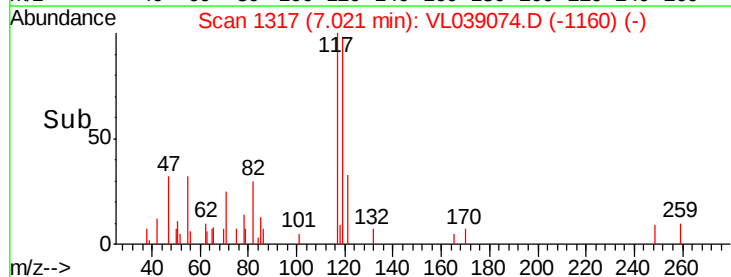
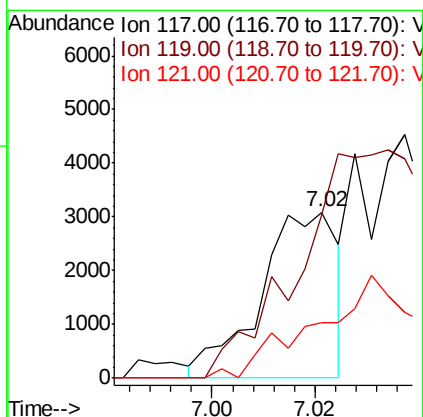
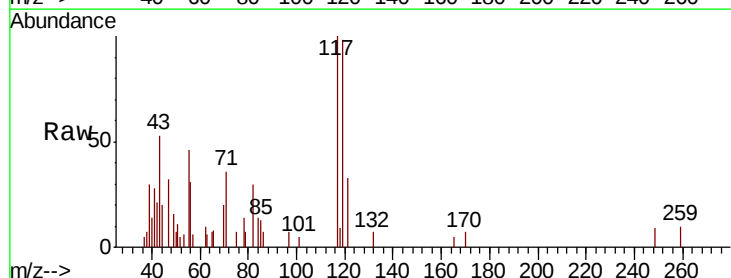
#34
2-Butanone
Concen: 3.886 ppbv
RT: 5.26
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 17 May 2022 18:19

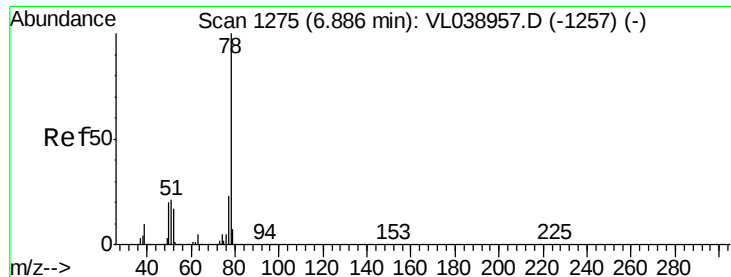
Tot Ion: 43 Resp: 375643
Ion Ratio Lower Upper
43 100
72 23.5 17.8 26.6



#35
Carbon Tetrachloride
Concen: 0.026 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VL039074.D
Acq: 17 May 2022 18:19

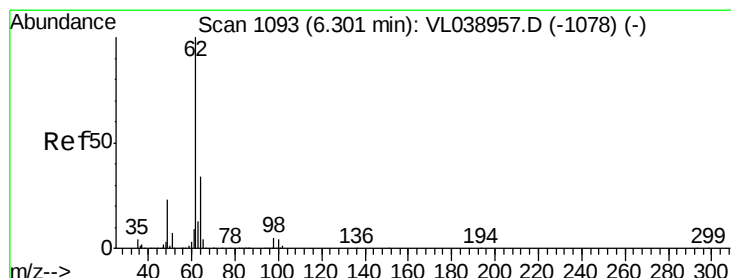
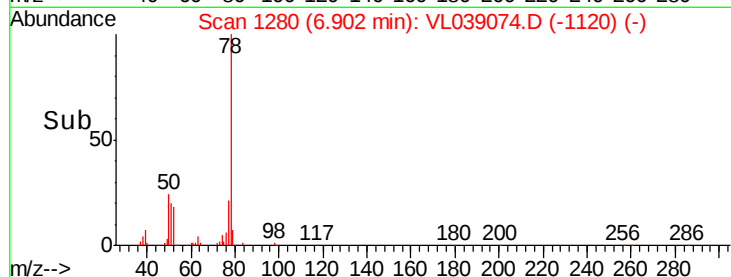
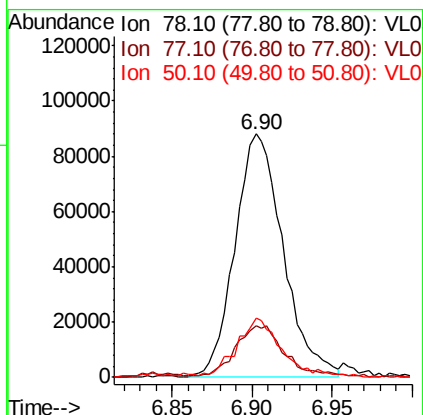
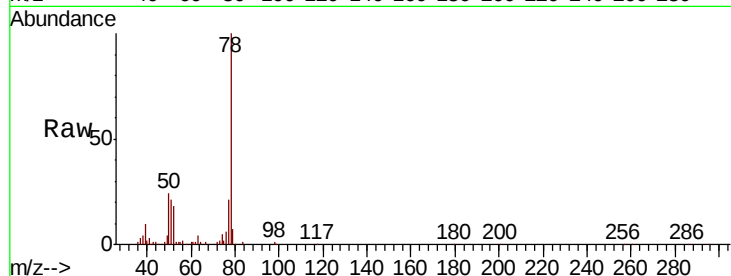
Tgt Ion: 117 Resp: 3217
Ion Ratio Lower Upper
117 100
119 105.3 75.2 112.8
121 35.9 24.6 37.0





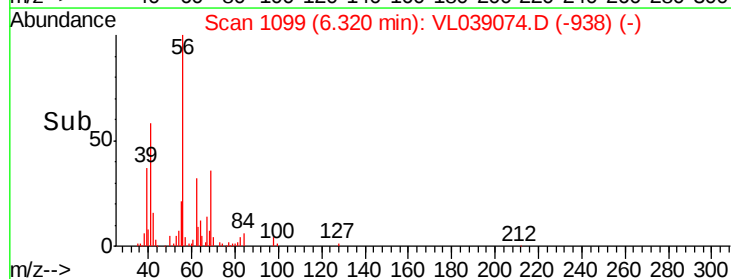
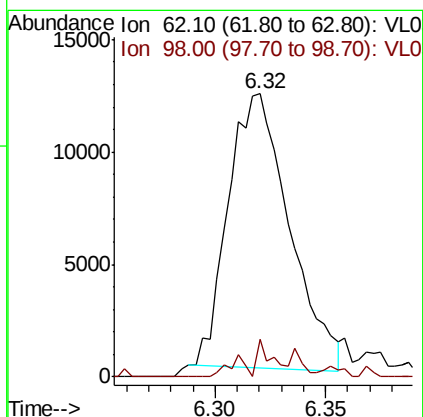
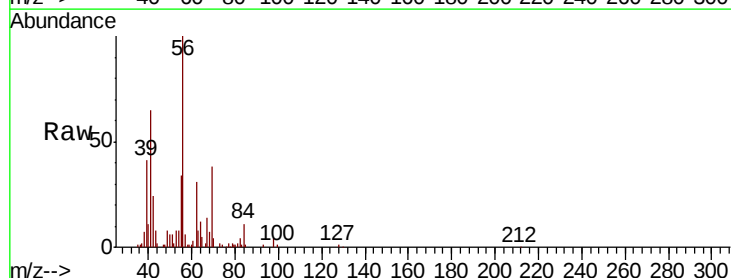
#36
Benzene
Concen: 1.119 ppbv
RT: 6.90
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 May 2022 18:19

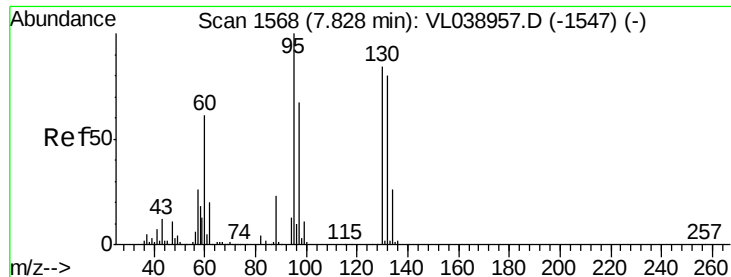
Tot Ion: 78 Resp: 181419
Ion Ratio Lower Upper
78 100
77 20.6 18.6 28.0
50 23.2 15.6 23.4



#37
1,2-Dichloroethane
Concen: 0.235 ppbv
RT: 6.32 min Scan# 1099
Delta R.T. 0.02 min
Lab File: VL039074.D
Acq: 17 May 2022 18:19

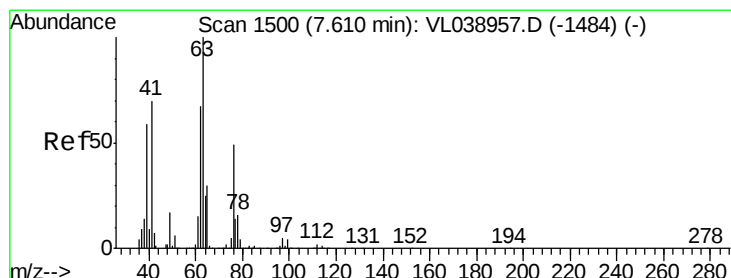
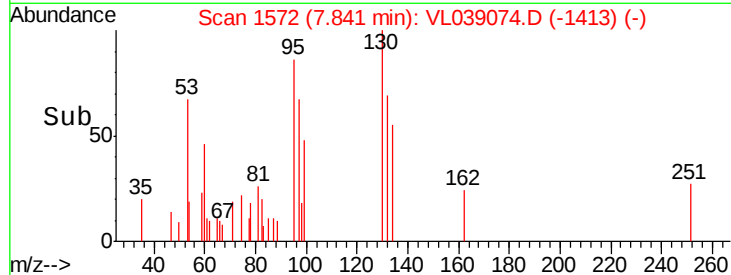
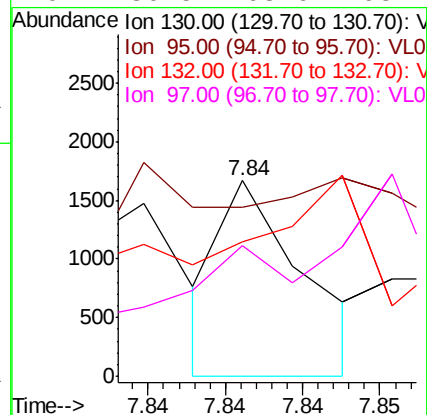
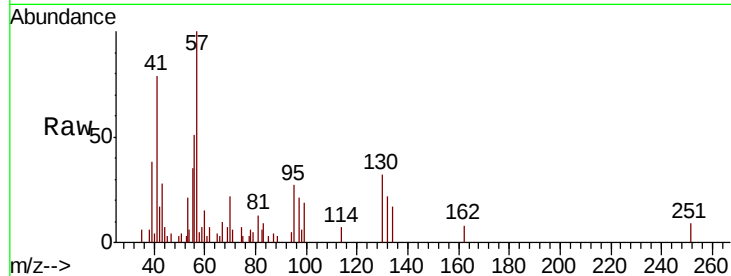
Tgt Ion: 62 Resp: 23550
Ion Ratio Lower Upper
62 100
98 9.1 4.5 6.7#





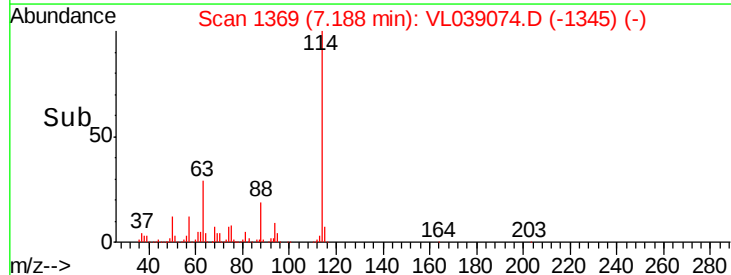
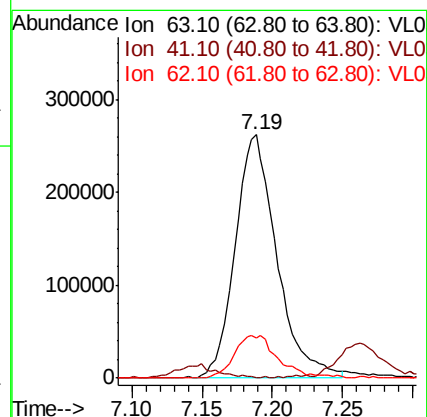
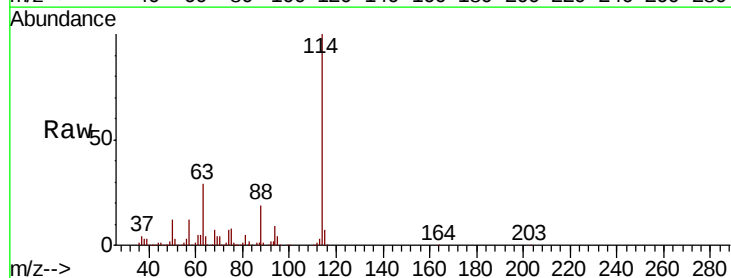
#38
 Trichloroethene
 Concen: 0.009 ppbv
 RT: 7.84 Instrument: MSVOA_1
 Delta R.T. ClientSampleId:
 Lab File: 1161-8.01-A-2
 Acq: 17 May 2022 18:19

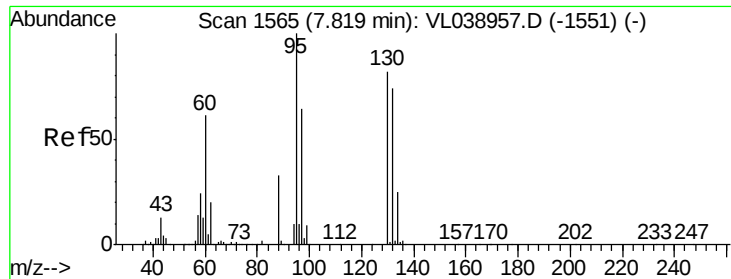
Tot Ion: 130 Resp: 626
 Ion Ratio Lower Upper
 130 100
 95 0.0 94.8 142.2#
 132 19.2 75.8 113.8#
 97 36.5 63.6 95.4#



#39
 1,2-Dichloropropane
 Concen: 8.531 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.42 min
 Lab File: VL039074.D
 Acq: 17 May 2022 18:19

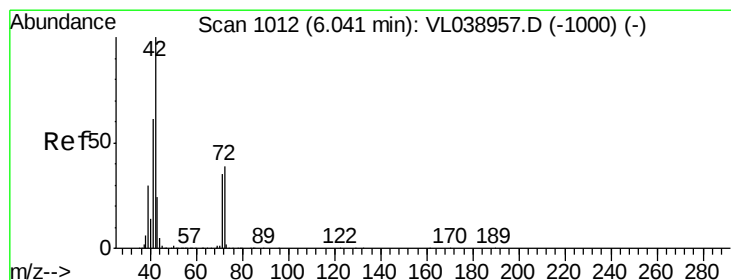
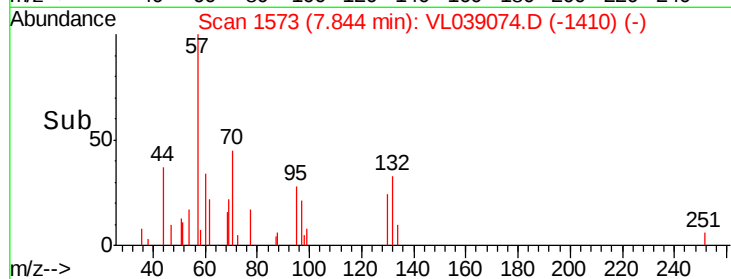
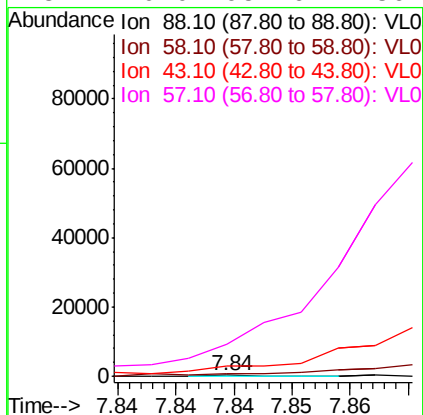
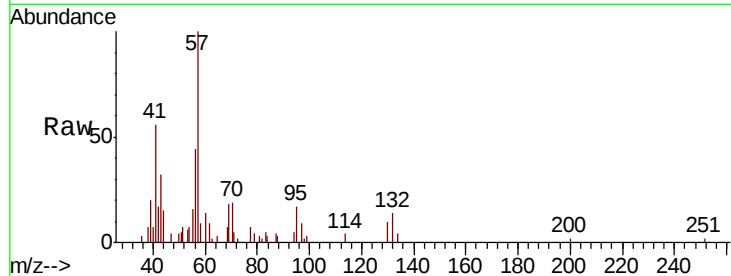
Tgt Ion: 63 Resp: 538318
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.9 83.9#
 62 16.5 53.8 80.6#





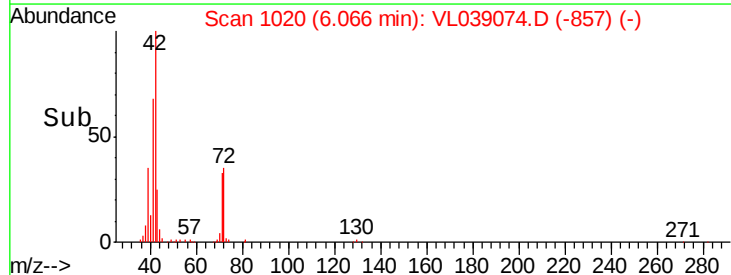
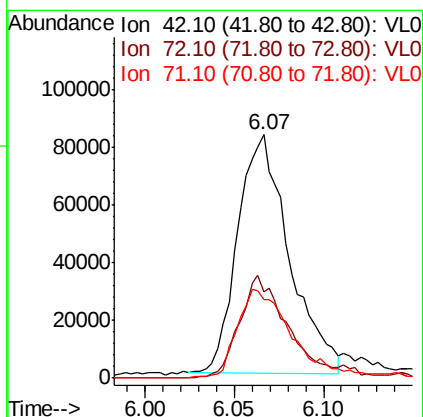
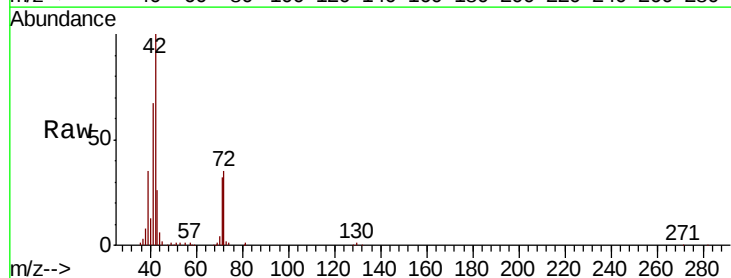
#40
 1,4-Dioxane
 Concen: 0.003 ppbv
 RT: 7.84
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : 1161-8.01-A-2
 Acq: 17 May 2022 18:19

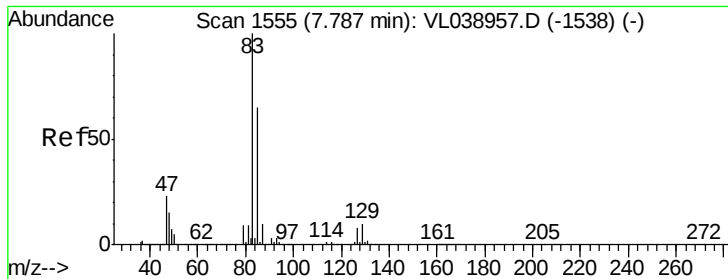
Tot Ion: 88 Resp: 78
 Ion Ratio Lower Upper
 88 100
 58 0.0 106.1 159.1#
 43 0.0 222.9 334.3#
 57 0.0 957.6 1436.4#



#41
 Tetrahydrofuran
 Concen: 2.571 ppbv
 RT: 6.07 min Scan# 1020
 Delta R.T. 0.03 min
 Lab File: VL039074.D
 Acq: 17 May 2022 18:19

Tgt Ion: 42 Resp: 167043
 Ion Ratio Lower Upper
 42 100
 72 43.5 31.8 47.6
 71 41.6 30.6 45.8





#42

Bromodichloromethane

Concen: 0.030 ppbv

RT: 7.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampled:

Acq: 17 May 2022 18:19

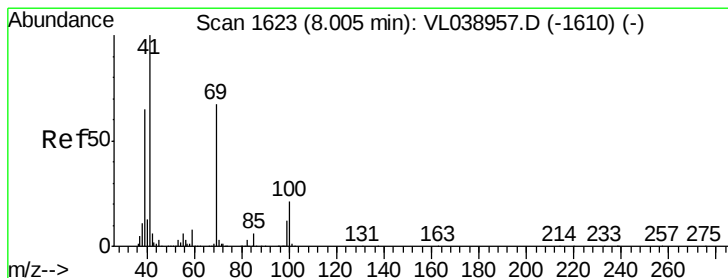
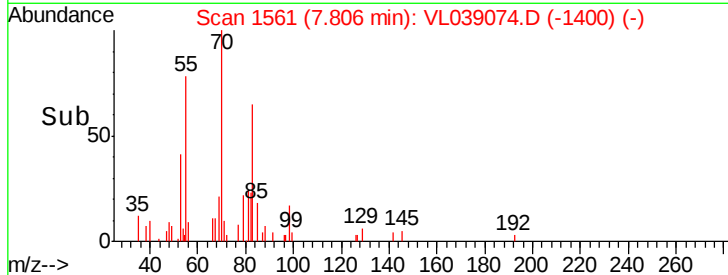
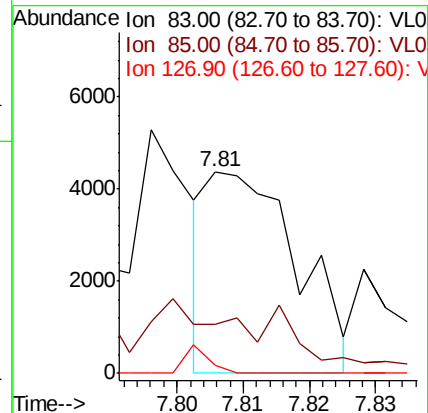
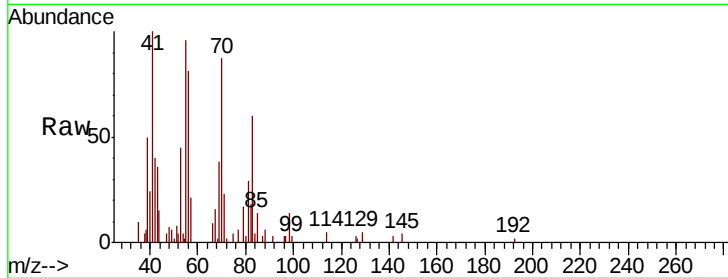
Tot Ion: 83 Resp: 4123

Ion Ratio Lower Upper

83 100

85 20.0 52.0 78.0#

127 4.7 6.0 9.0#



#43

Methyl Methacrylate

Concen: 0.018 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. 0.02 min

Lab File: VL039074.D

Acq: 17 May 2022 18:19

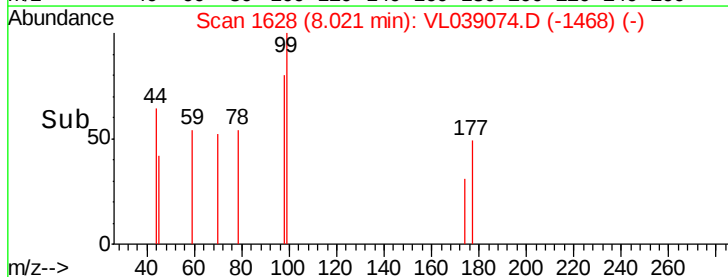
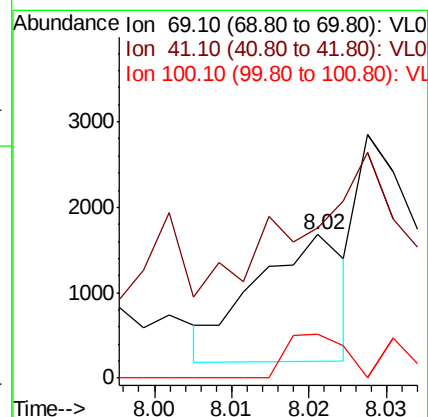
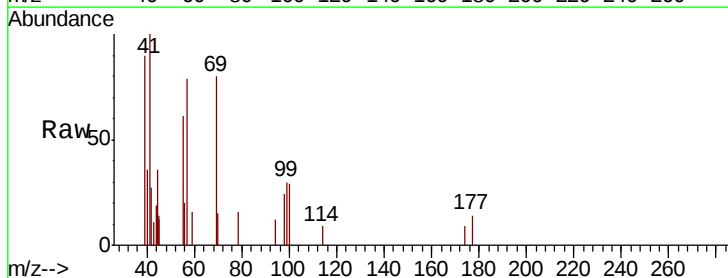
Tgt Ion: 69 Resp: 1194

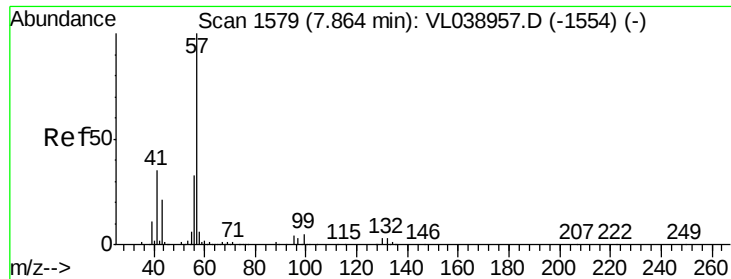
Ion Ratio Lower Upper

69 100

41 0.0 121.9 182.9#

100 0.0 24.6 36.8#





#44

2,2,4-Trimethylpentane

Concen: 1.447 ppbv

RT: 7.88 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 17 May 2022 18:19

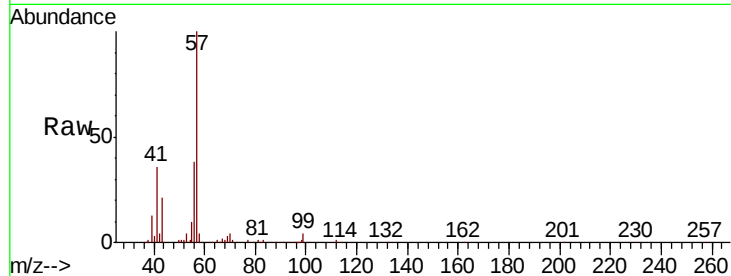
Tot Ion: 57 Resp: 411844

Ion Ratio Lower Upper

57 100

41 39.2 26.3 39.5

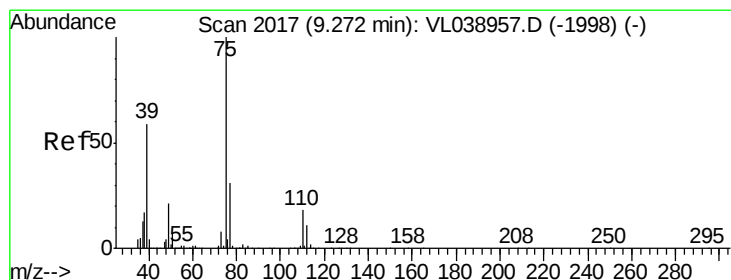
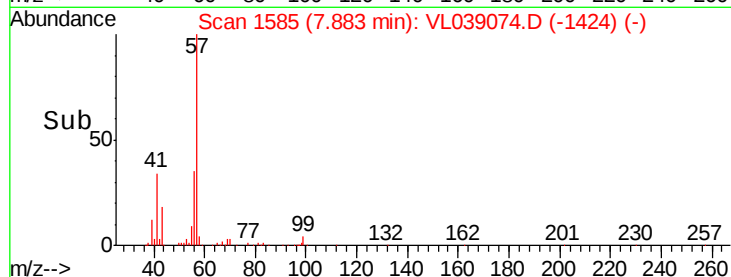
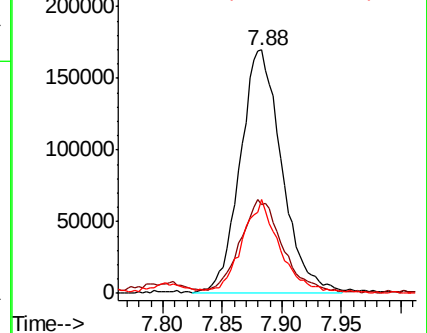
56 35.7 24.6 37.0



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



#45

t-1,3-Dichloropropene

Concen: 0.002 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. 0.50 min

Lab File: VL039074.D

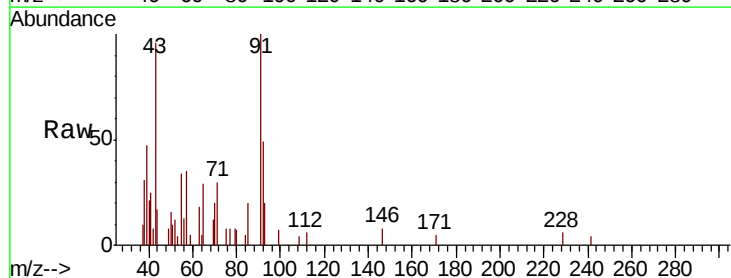
Acq: 17 May 2022 18:19

Tgt Ion: 75 Resp: 101

Ion Ratio Lower Upper

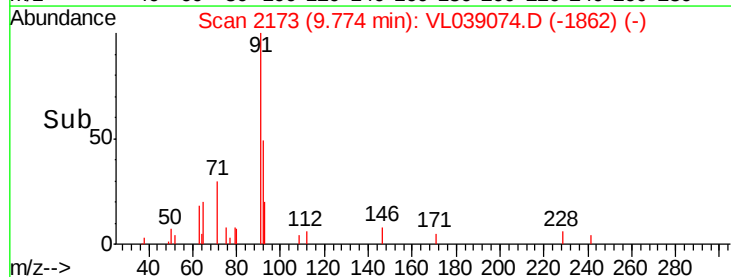
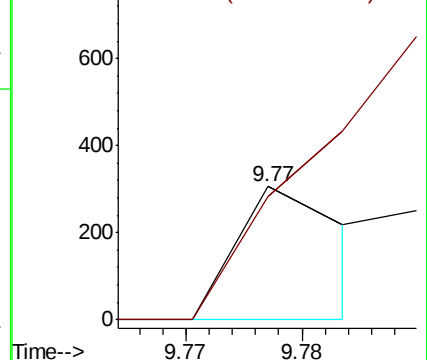
75 100

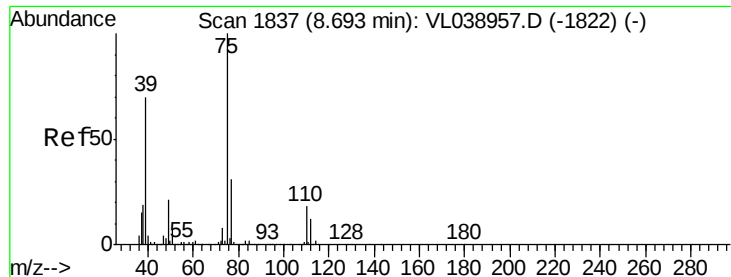
77 92.2 24.6 37.0#



Abundance Ion 75.10 (74.80 to 75.80): VL0

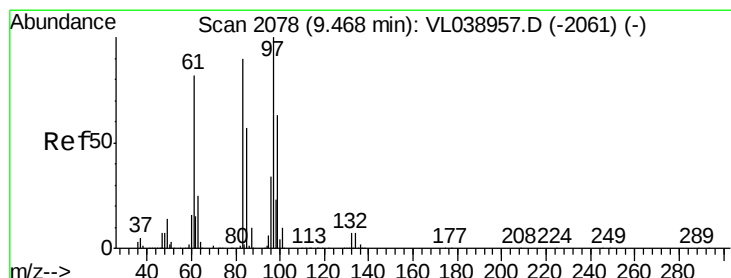
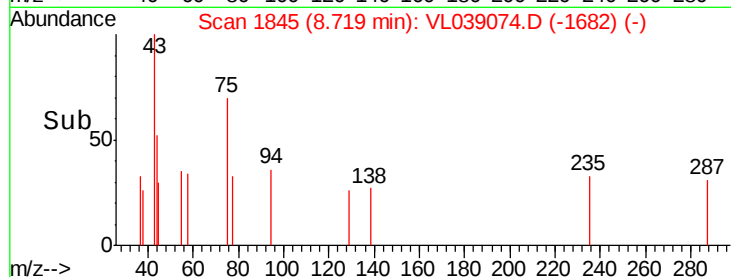
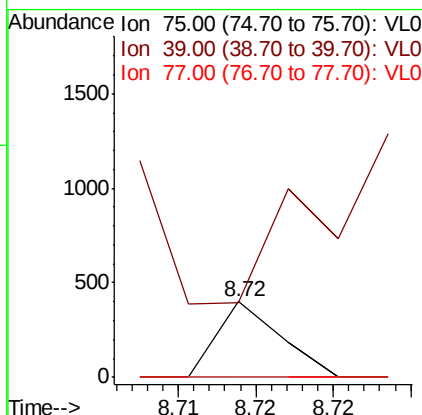
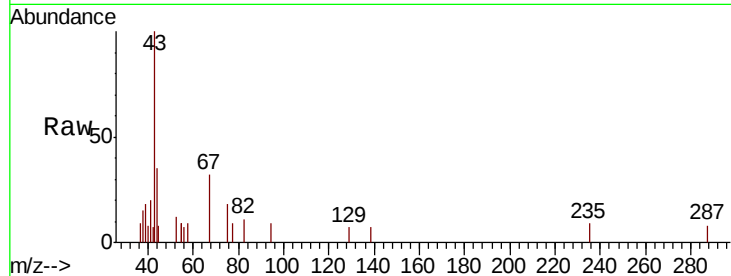
Ion 77.10 (76.80 to 77.80): VL0





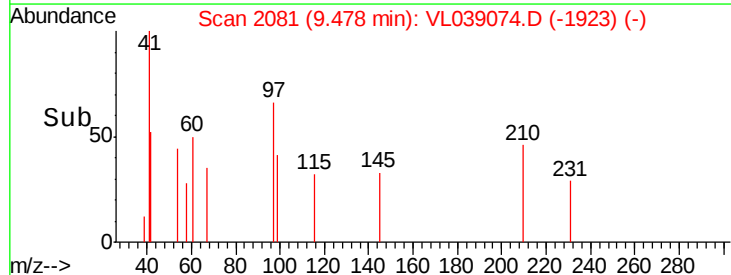
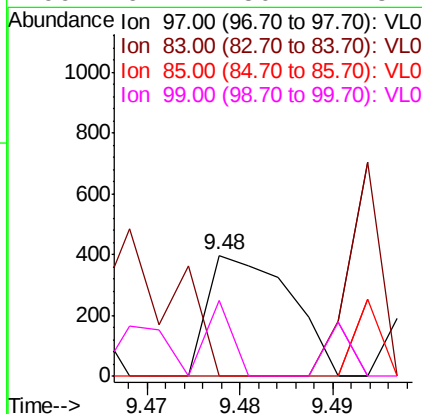
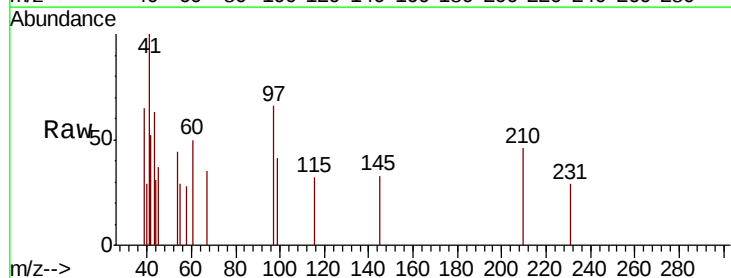
#46
 cis-1,3-Dichloropropene
 Concen: 0.001 ppbv
 RT: 8.72
 Delta R.T. MSVOA_1
 Lab File: ClientSampled :
 Acq: 17 May 2022 18:19

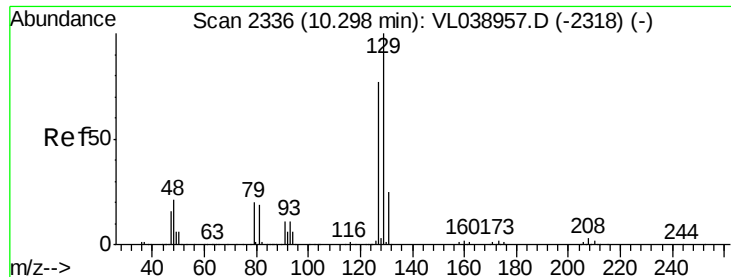
Tot Ion: 75 Resp: 113
 Ion Ratio Lower Upper
 75 100
 39 0.5 55.8 83.6#
 77 47.4 24.8 37.2#



#47
 1,1,2-Trichloroethane
 Concen: 0.004 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. 0.01 min
 Lab File: VL039074.D
 Acq: 17 May 2022 18:19

Tgt Ion: 97 Resp: 247
 Ion Ratio Lower Upper
 97 100
 83 0.0 72.0 108.0#
 85 0.0 45.7 68.5#
 99 62.2 50.2 75.4





#48

Dibromochloromethane

Concen: 0.002 ppbv

RT: 10.32

Delta R.T. MSVOA_L

Lab File: ClientSampled :

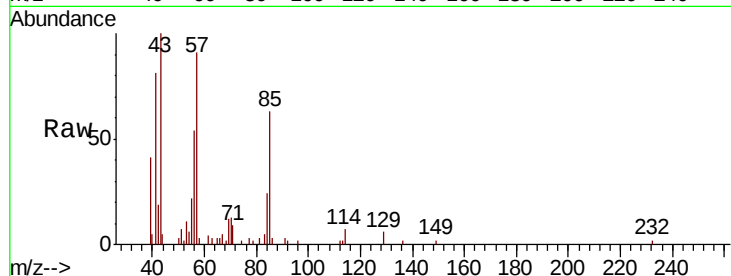
Acq: 17 May 2022 18:19

Tot Ion:129 Resp: 176

Ion Ratio Lower Upper

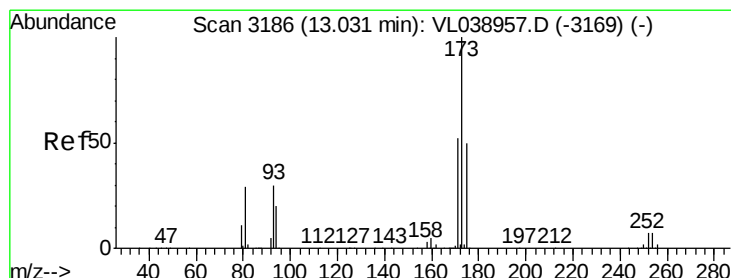
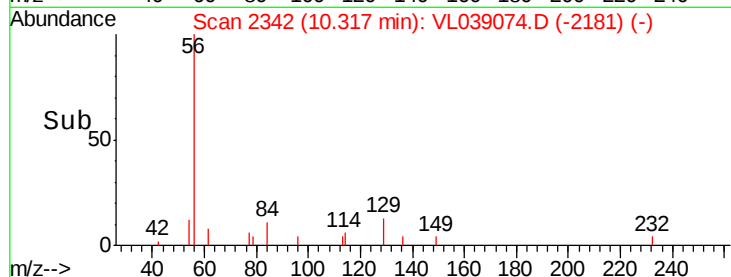
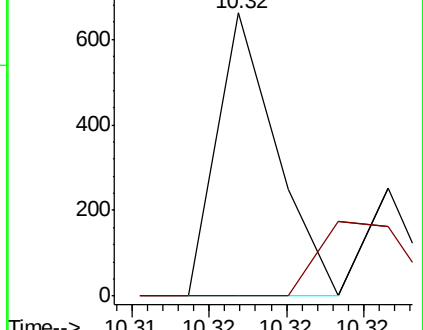
129 100

127 0.0 39.3 117.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.001 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. 0.04 min

Lab File: VL039074.D

Acq: 17 May 2022 18:19

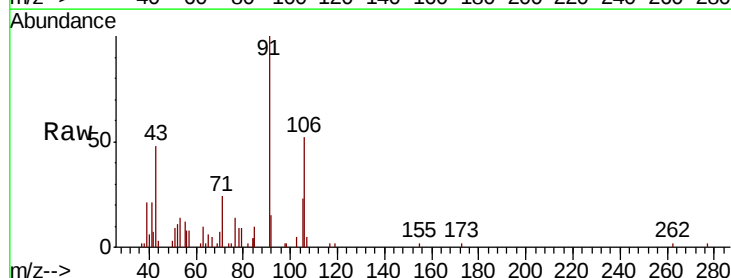
Tgt Ion:173 Resp: 77

Ion Ratio Lower Upper

173 100

175 0.0 41.0 61.6#

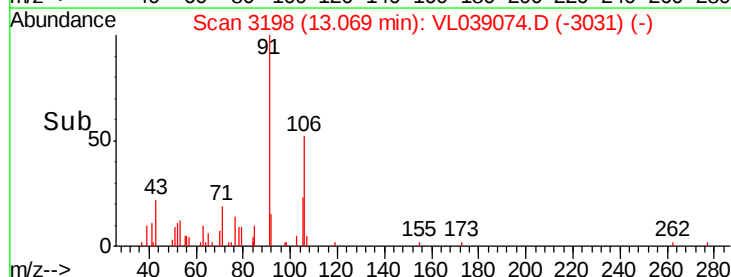
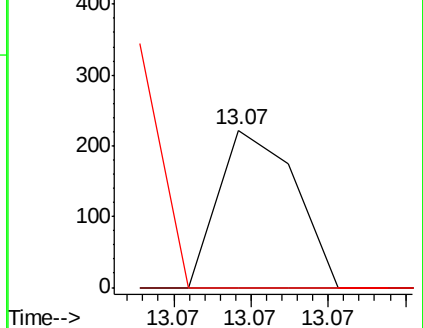
171 68.8 42.6 64.0#

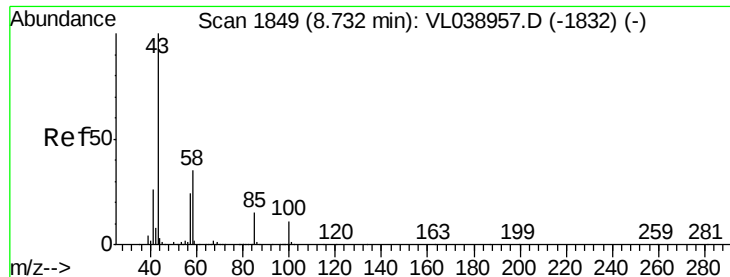


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

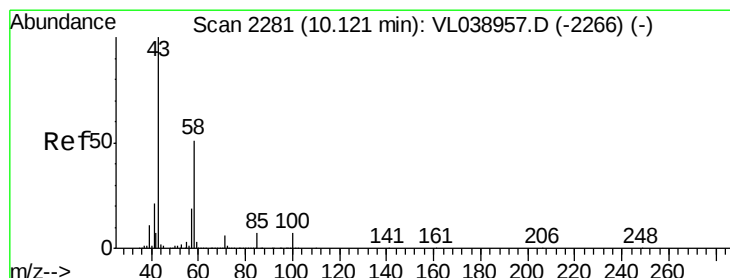
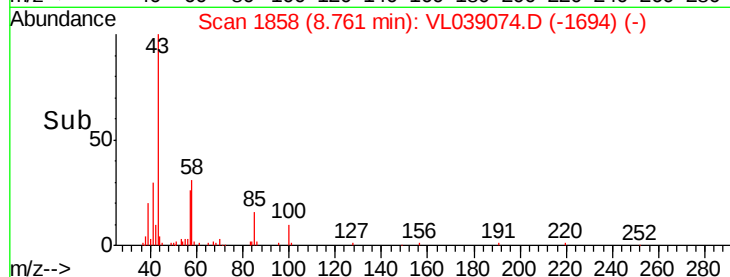
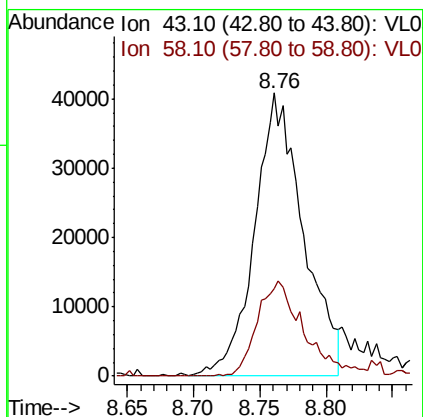
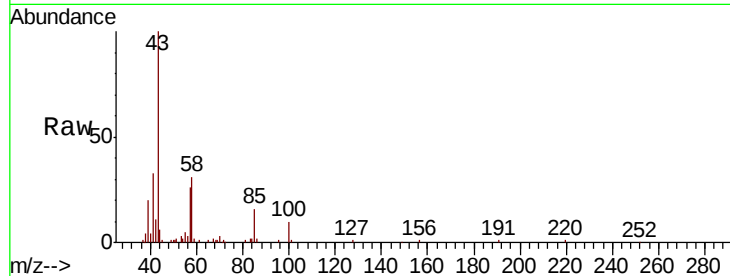
Ion 170.90 (170.60 to 171.60): V





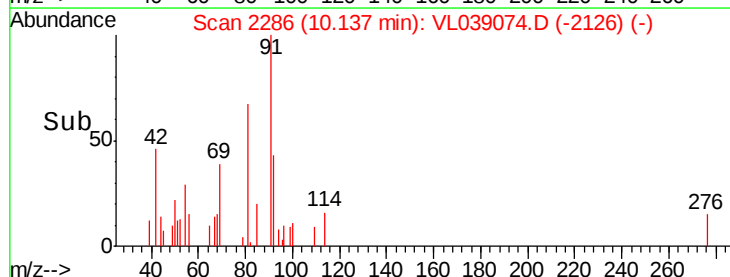
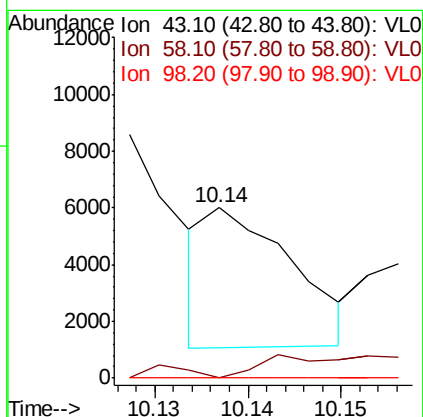
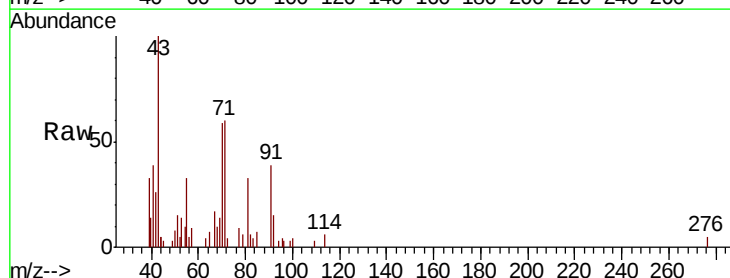
#50
 4-Methyl-2-Pentanone
 Concen: 0.609 ppbv
 RT: 8.76
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampled:
 1161-8.01-A-2
 Acq: 17 May 2022 18:19

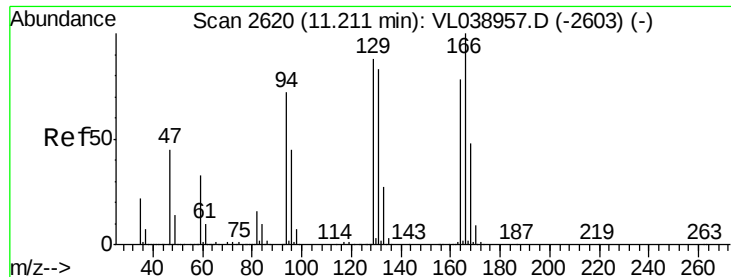
Tot Ion: 43 Resp: 103243
 Ion Ratio Lower Upper
 43 100
 58 34.6 28.4 42.6



#51
 2-Hexanone
 Concen: 0.026 ppbv
 RT: 10.14 min Scan# 2286
 Delta R.T. 0.02 min
 Lab File: VL039074.D
 Acq: 17 May 2022 18:19

Tgt Ion: 43 Resp: 3200
 Ion Ratio Lower Upper
 43 100
 58 0.0 39.3 58.9#
 98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.060 ppbv

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 18:19

Tot Ion:164 Resp: 3451

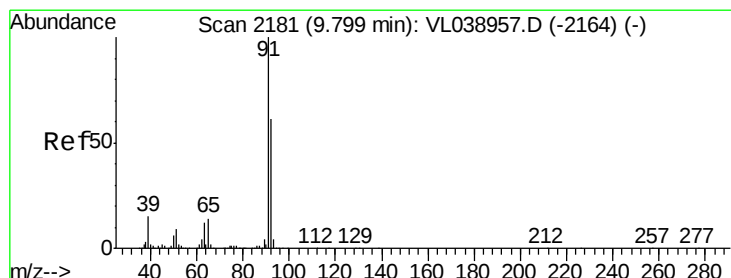
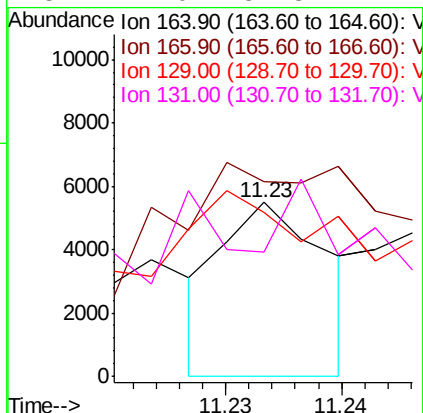
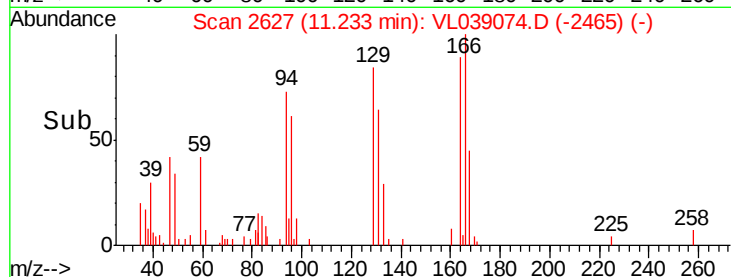
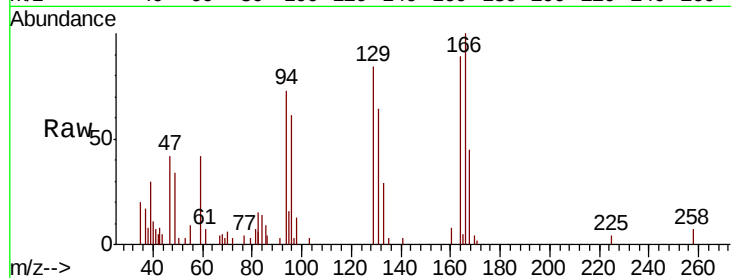
Ion Ratio Lower Upper

164 100

166 64.3 102.5 153.7#

129 20.9 90.1 135.1#

131 4.0 84.8 127.2#



#53

Toluene

Concen: 8.561 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.02 min

Lab File: VL039074.D

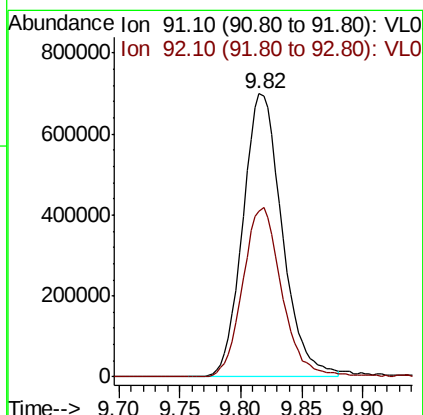
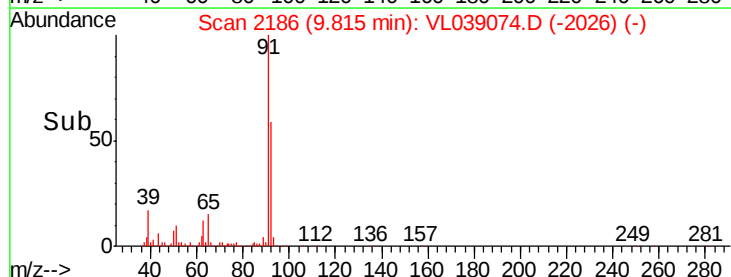
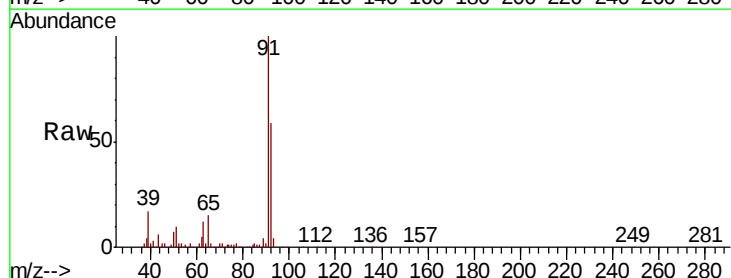
Acq: 17 May 2022 18:19

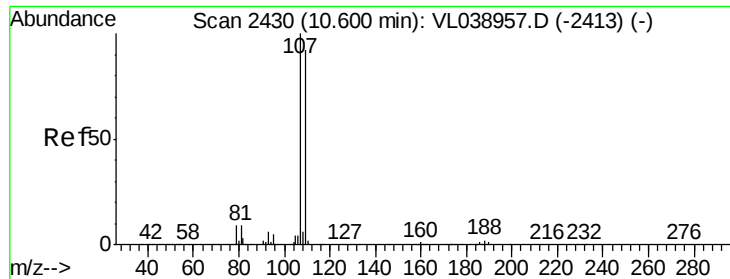
Tgt Ion: 91 Resp: 1556024

Ion Ratio Lower Upper

91 100

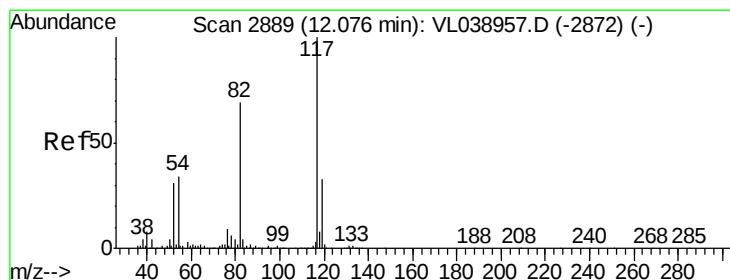
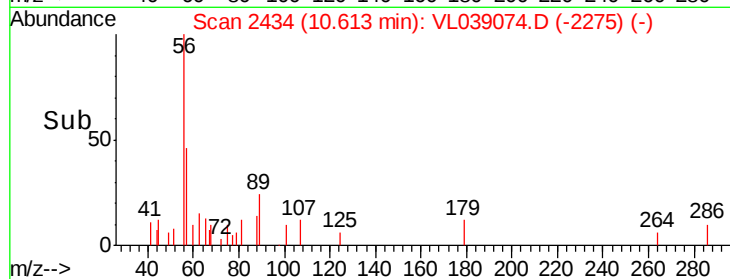
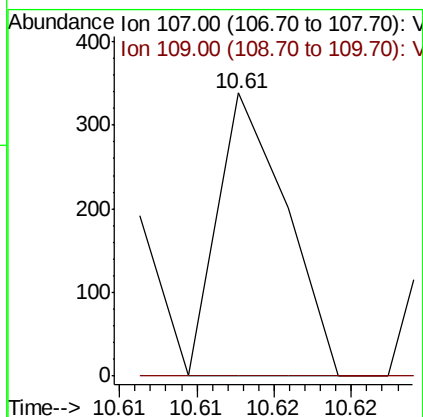
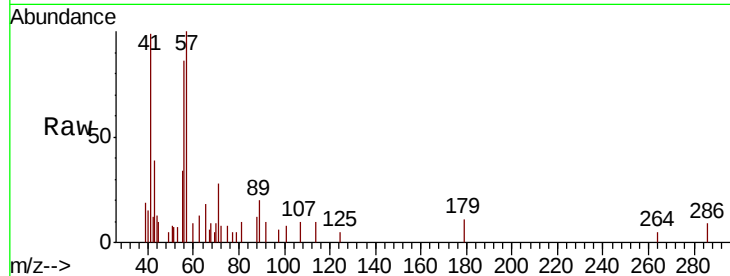
92 60.0 48.2 72.2





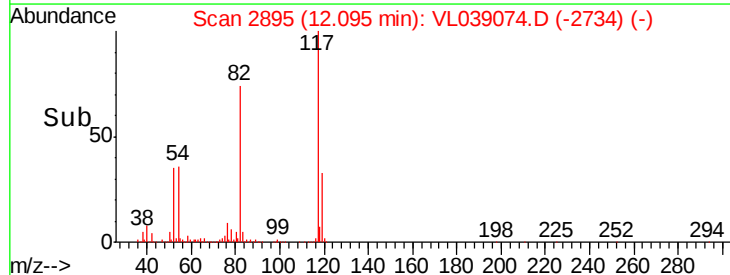
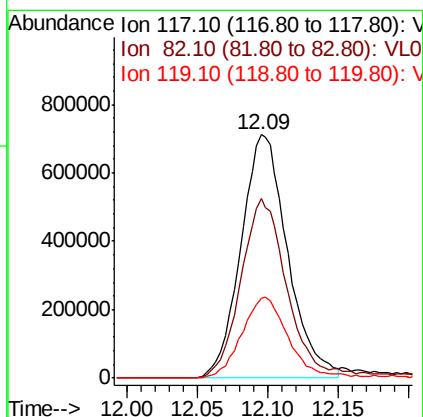
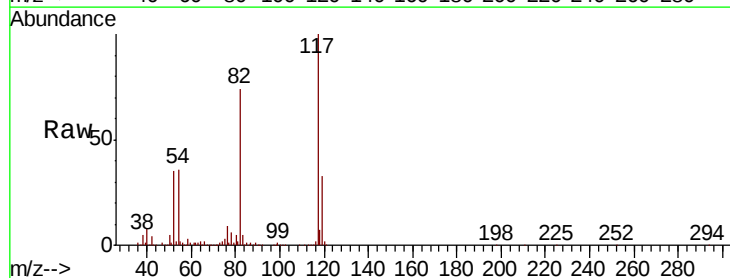
#54
 1,2-Dibromoethane
 Concen: 0.001 ppbv
 RT: 10.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : 1161-8.01-A-2
 Acq: 17 May 2022 18:19

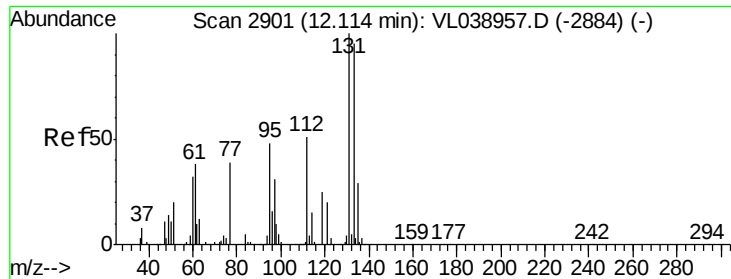
Tot Ion: 107 Resp: 104
 Ion Ratio Lower Upper
 107 100
 109 0.0 73.8 110.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2895
 Delta R.T. 0.02 min
 Lab File: VL039074.D
 Acq: 17 May 2022 18:19

Tgt Ion: 117 Resp: 1643668
 Ion Ratio Lower Upper
 117 100
 82 73.5 57.0 85.6
 119 34.4 27.2 40.8





#56

1,1,1,2-Tetrachloroethane

Concen: 0.004 ppbv

RT: 12.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 18:19

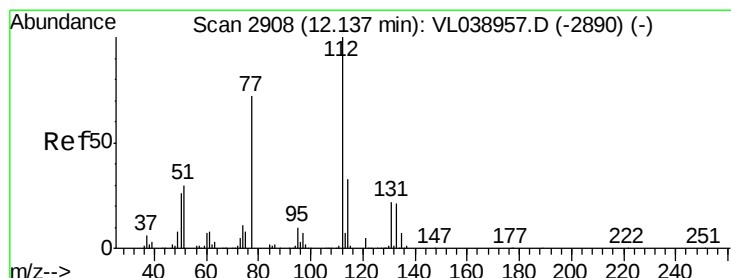
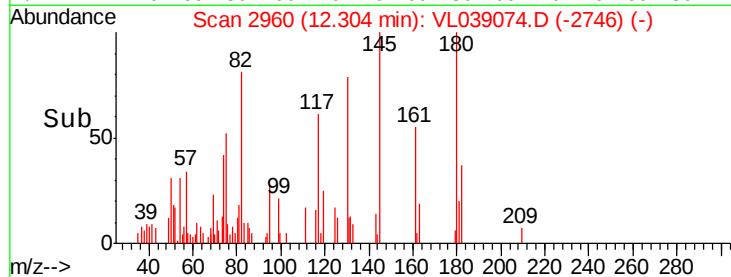
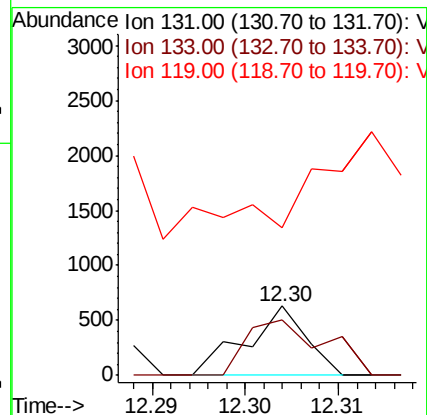
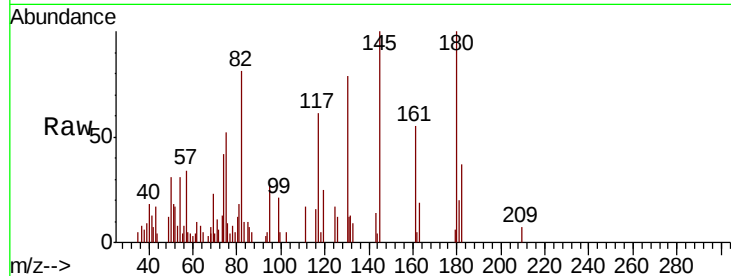
Tot Ion:131 Resp: 286

Ion Ratio Lower Upper

131 100

133 0.0 76.9 115.3#

119 197692.7 47.4 71.0#



#57

Chlorobenzene

Concen: 0.004 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. 0.02 min

Lab File: VL039074.D

Acq: 17 May 2022 18:19

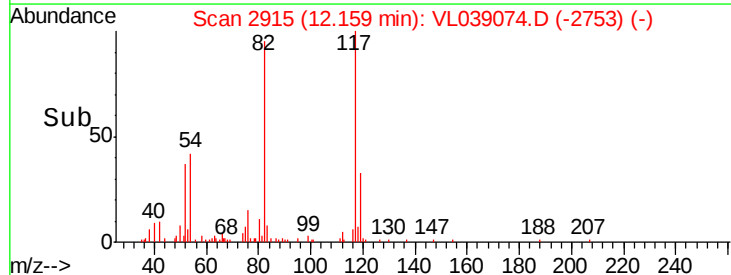
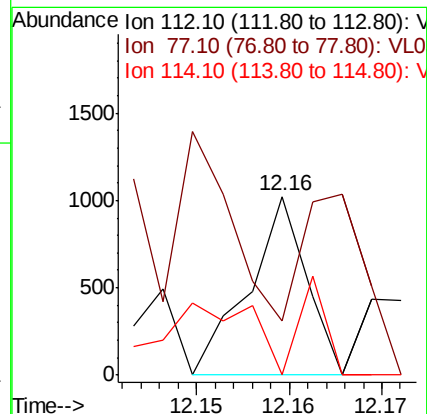
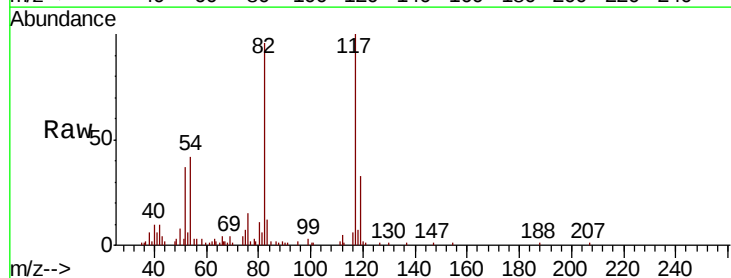
Tgt Ion:112 Resp: 441

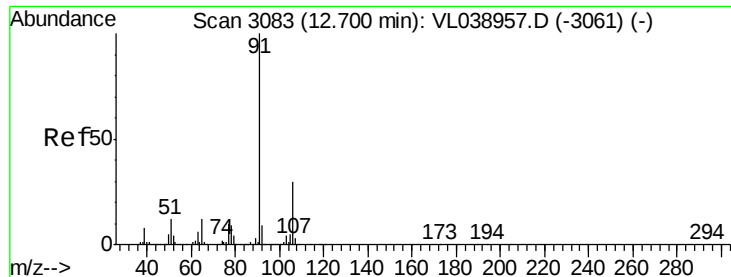
Ion Ratio Lower Upper

112 100

77 0.0 57.7 86.5#

114 0.0 30.1 36.7#





#58

Ethyl Benzene

Concen: 0.719 ppbv

RT: 12.72

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

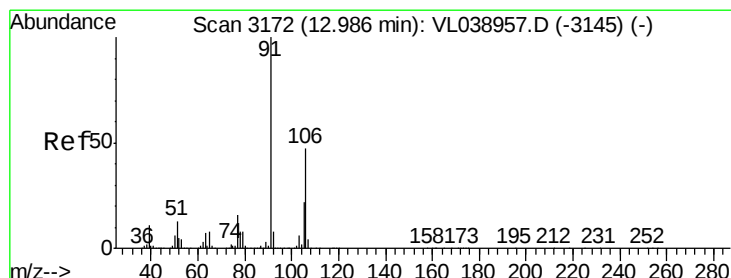
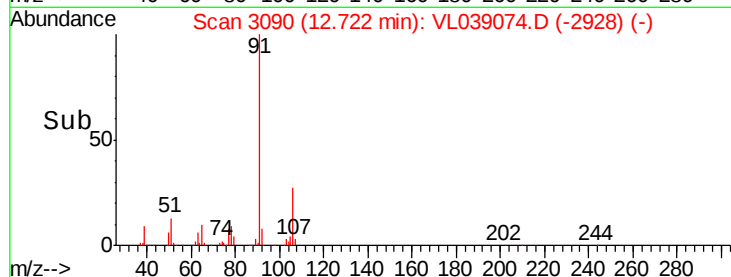
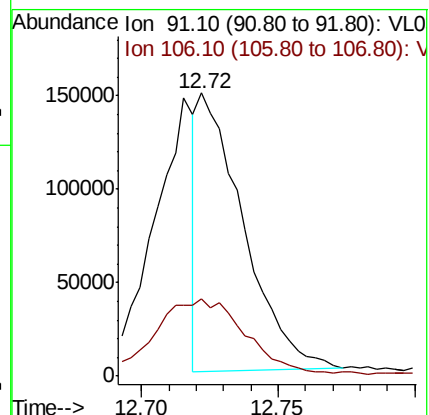
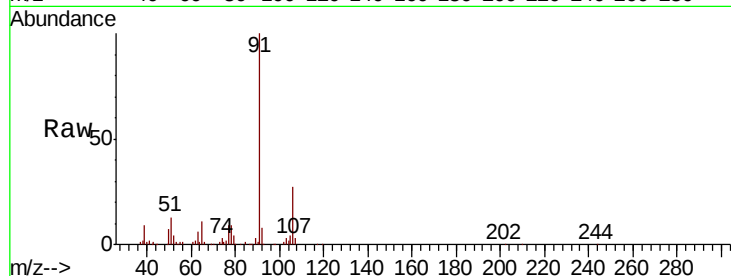
Acq: 17 May 2022 18:19

Tot Ion: 91 Resp: 170052

Ion Ratio Lower Upper

91 100

106 26.7 24.2 36.4



#59

m/p-Xylene

Concen: 5.099 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. -0.01 min

Lab File: VL039074.D

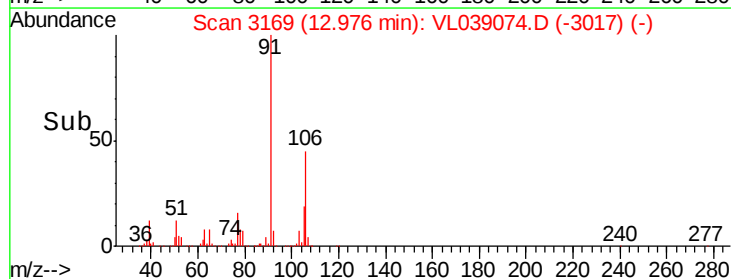
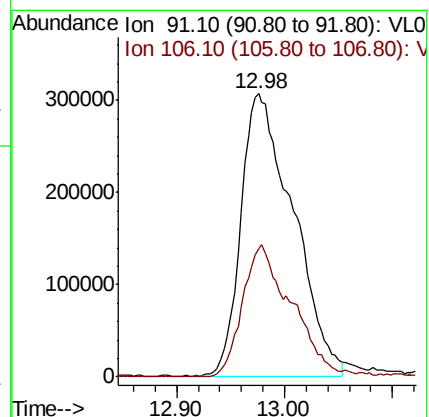
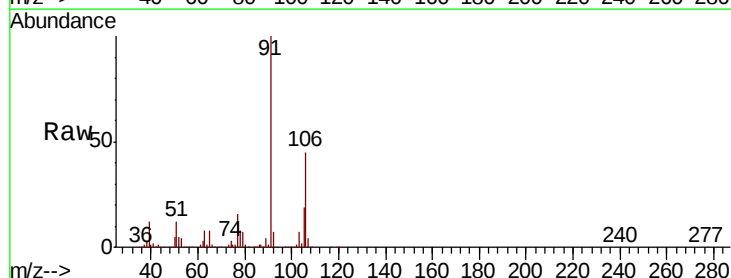
Acq: 17 May 2022 18:19

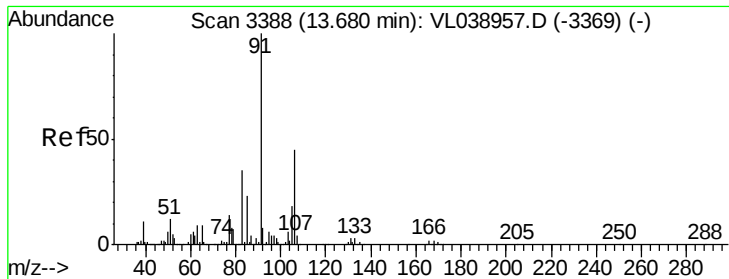
Tgt Ion: 91 Resp: 1029707

Ion Ratio Lower Upper

91 100

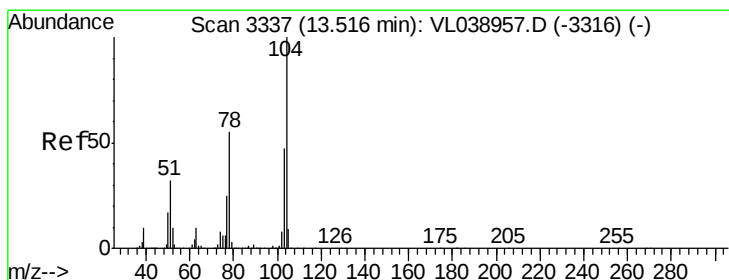
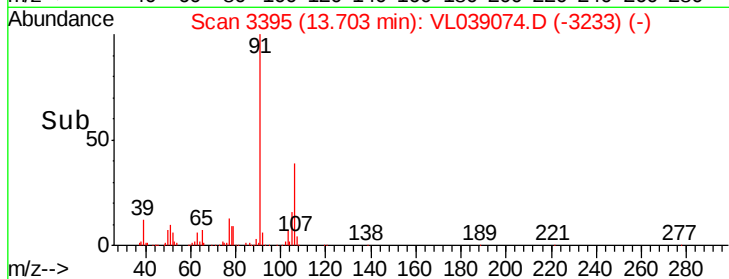
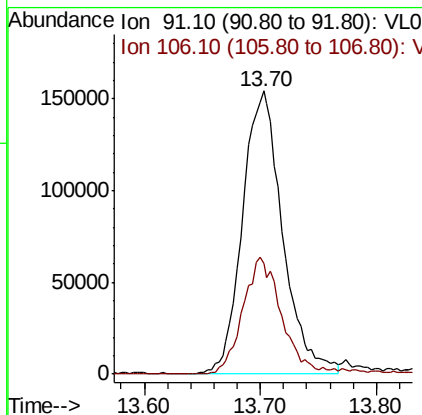
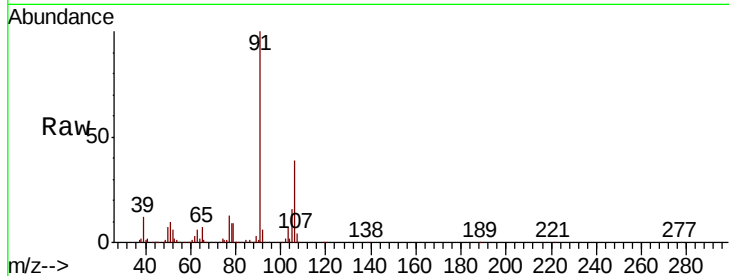
106 44.2 34.6 52.0





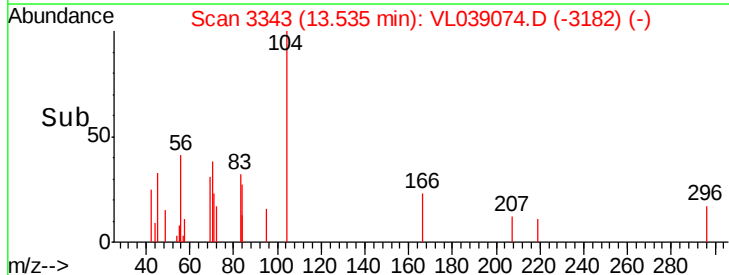
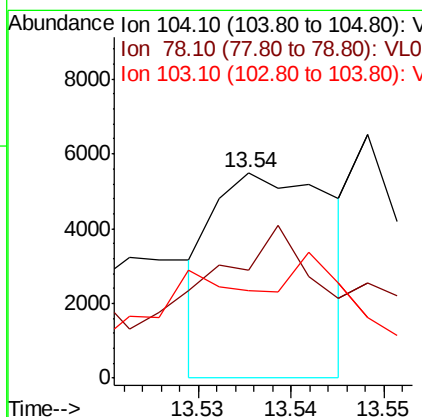
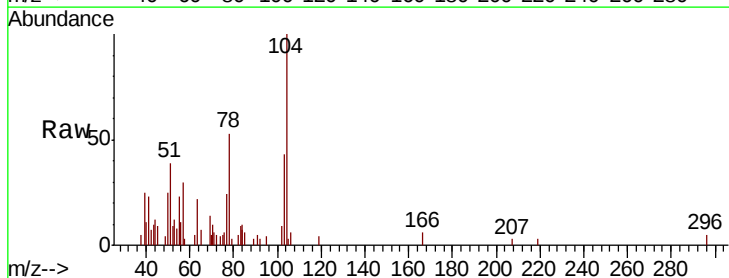
#60
o-Xylene
Concen: 1.958 ppbv
RT: 13.70
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 17 May 2022 18:19

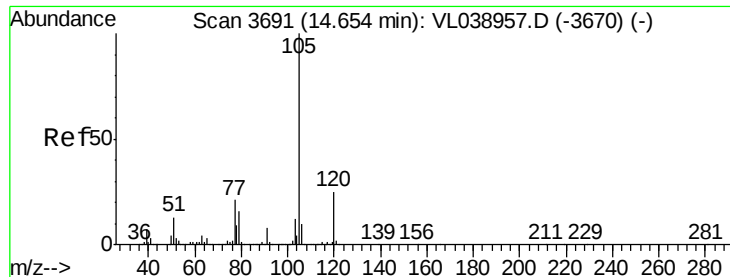
Tot Ion: 91 Resp: 372180
Ion Ratio Lower Upper
91 100
106 39.6 22.2 66.6



#61
Styrene
Concen: 0.048 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. 0.02 min
Lab File: VL039074.D
Acq: 17 May 2022 18:19

Tgt Ion: 104 Resp: 4897
Ion Ratio Lower Upper
104 100
78 172.9 46.4 69.6#
103 138.4 39.3 58.9#





#62

Isopropylbenzene

Concen: 0.029 ppbv

RT: 14.67

Delta R.T. MSVOA_L

Lab File: ClientSampled :

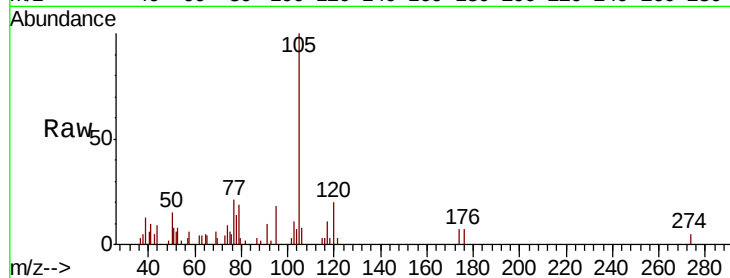
Acq: 17 May 2022 18:19

Tot Ion:105 Resp: 7933

Ion Ratio Lower Upper

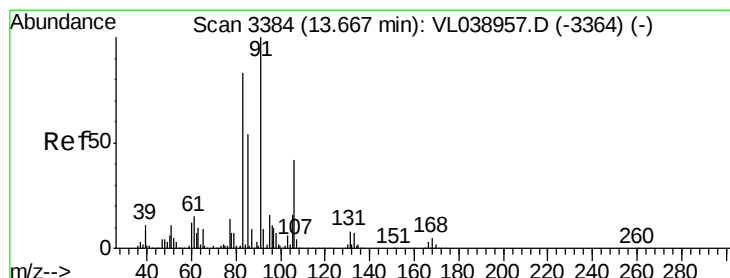
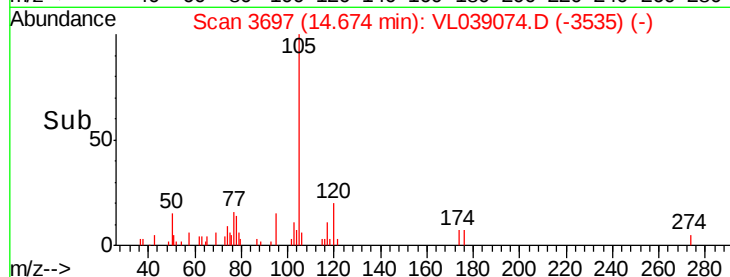
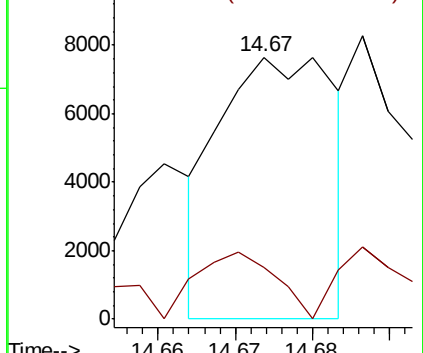
105 100

120 0.0 20.5 30.7#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.001 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.03 min

Lab File: VL039074.D

Acq: 17 May 2022 18:19

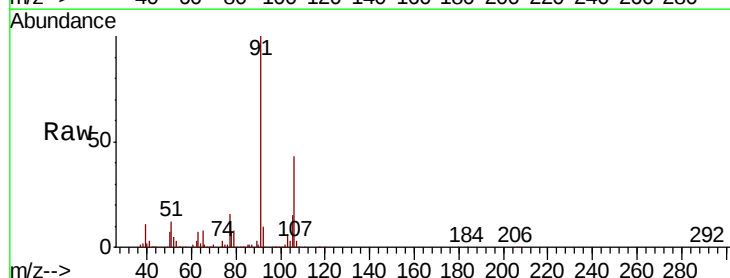
Tgt Ion: 83 Resp: 107

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

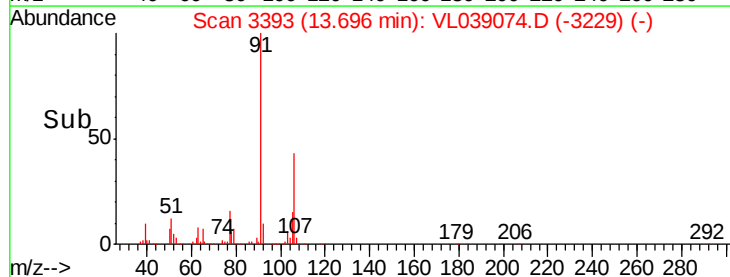
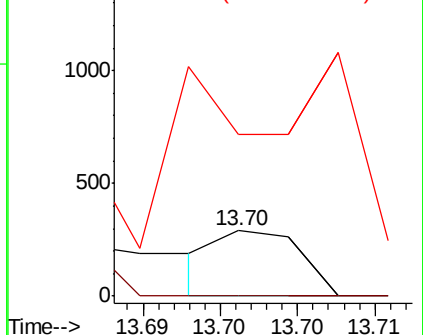
85 1481.3 32.8 98.3#

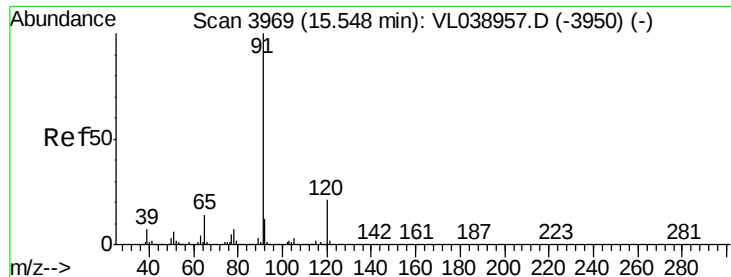


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.110 ppbv

RT: 15.58 min

Delta R.T. MSVOA_L

Lab File: ClientSampled:

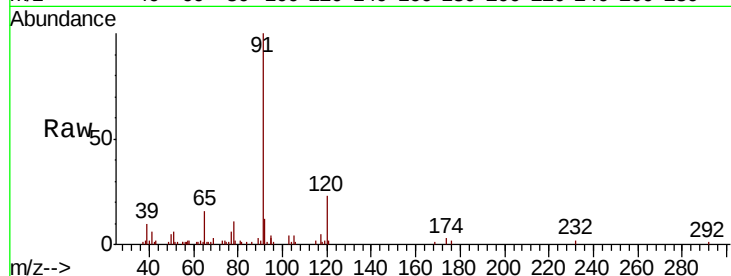
Acq: 17 May 2022 18:19

Tot Ion:120 Resp: 7381

Ion Ratio Lower Upper

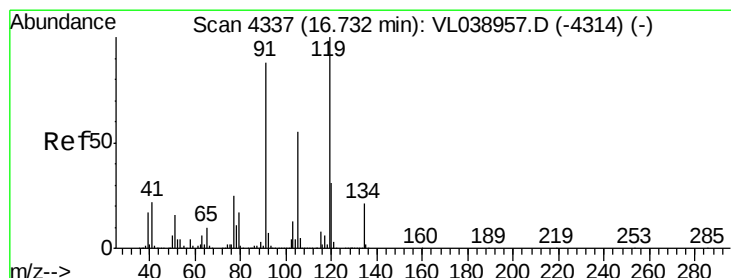
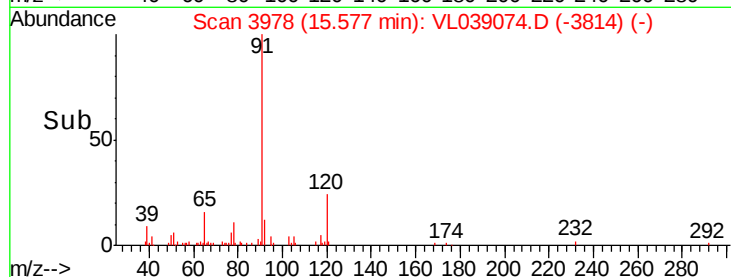
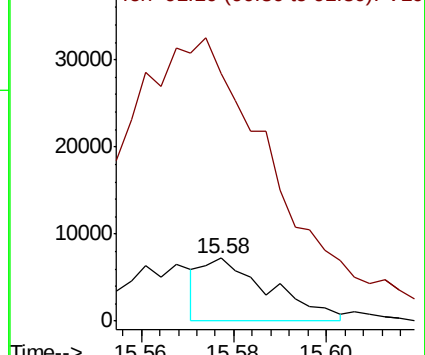
120 100

91 1167.5 400.6 601.0#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.045 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.03 min

Lab File: VL039074.D

Acq: 17 May 2022 18:19

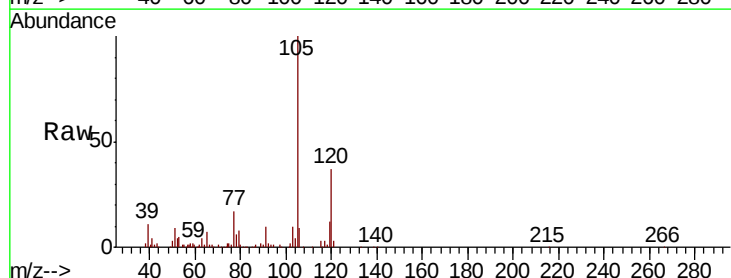
Tgt Ion:119 Resp: 11003

Ion Ratio Lower Upper

119 100

91 0.0 69.4 104.2#

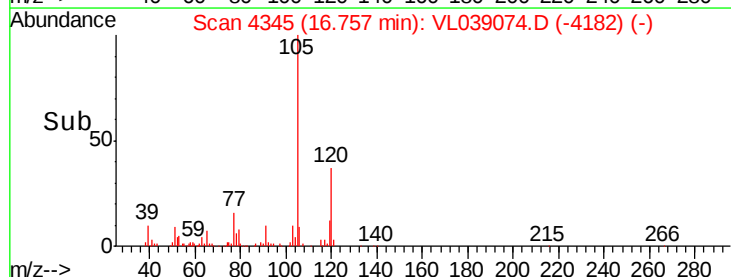
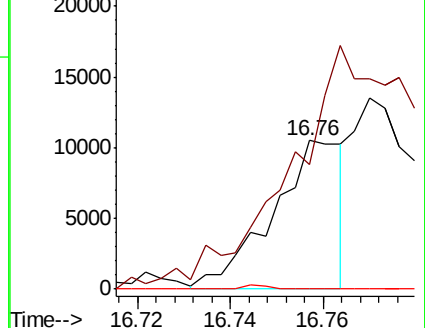
134 0.0 15.8 23.8#

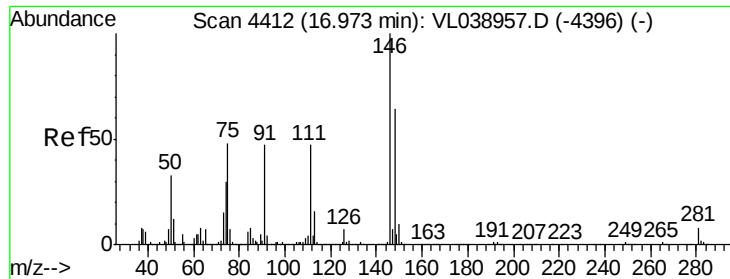


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

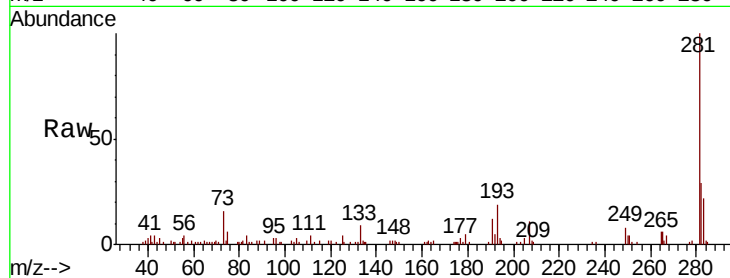
Ion 134.20 (133.90 to 134.90): V





#66
Benzyl Chloride
Concen: 0.009 ppbv
RT: 17.00 min
Delta R.T. MSVOA.L
Lab File: ClientSampled : 1161-8.01-A-2
Acq: 17 May 2022 18:19

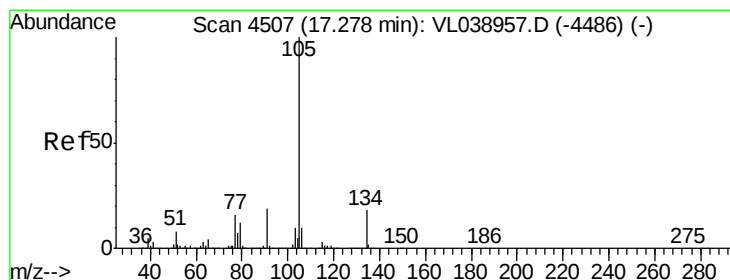
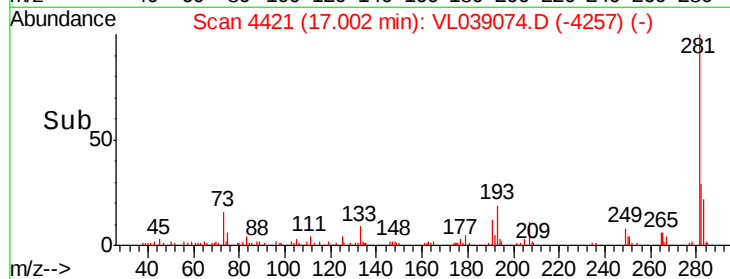
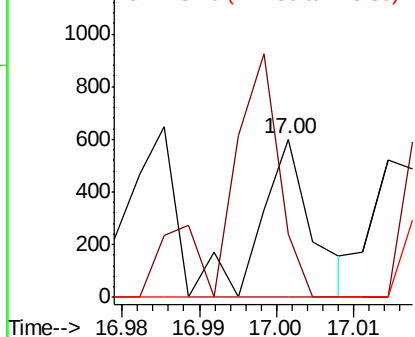
Tot Ion	91	Resp	284
Ion Ratio	100		
Lower	11.8		
Upper	17.6#		
126	0.0		
128	0.0		
	4.2		
	6.2#		



Abundance Ion 91.10 (90.80 to 91.80): VL038957.D (-4396) (-)

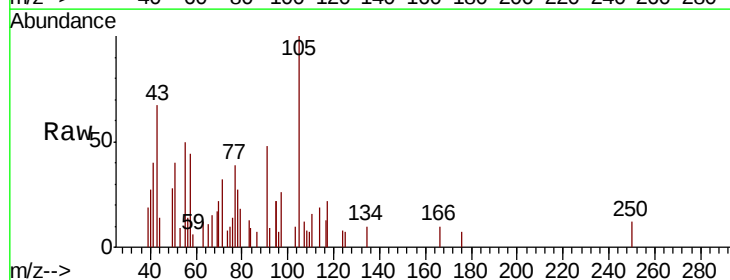
Ion 126.10 (125.80 to 126.80): VL038957.D (-4396) (-)

Ion 128.10 (127.80 to 128.80): VL038957.D (-4396) (-)



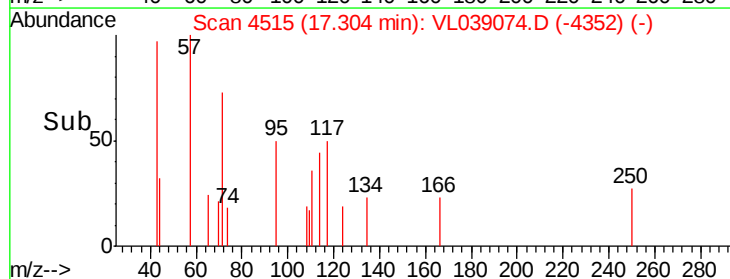
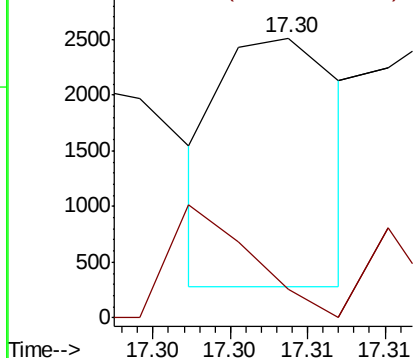
#67
sec-Butylbenzene
Concen: 0.003 ppbv
RT: 17.30 min Scan# 4515
Delta R.T. 0.03 min
Lab File: VL039074.D
Acq: 17 May 2022 18:19

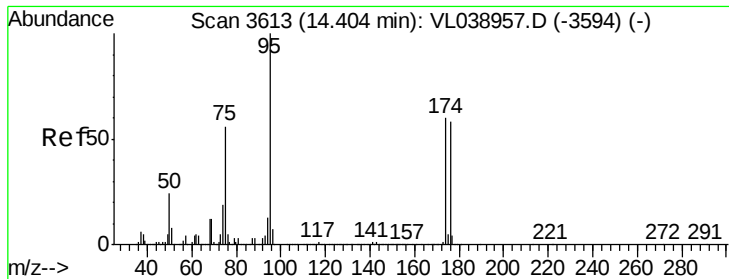
Tgt Ion	105	Resp	1201
Ion Ratio	100		
Lower	14.2		
Upper	21.4#		
134	67.9		



Abundance Ion 105.10 (104.80 to 105.80): VL038957.D (-4486) (-)

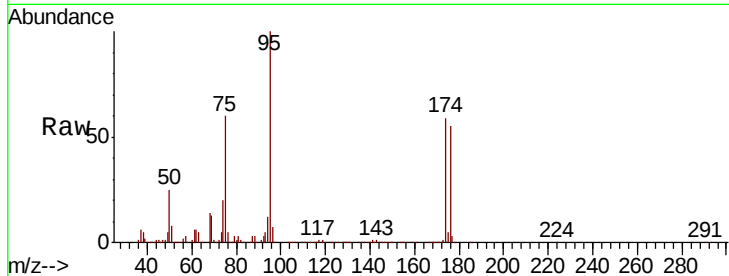
Ion 134.20 (133.90 to 134.90): VL038957.D (-4486) (-)



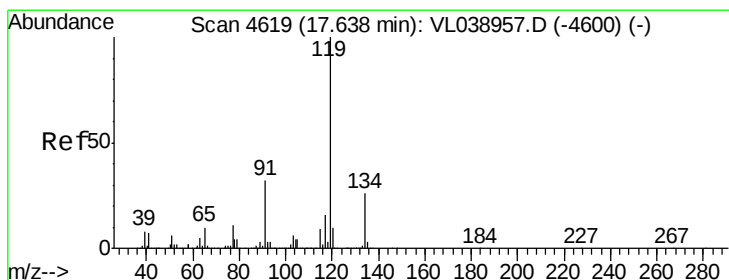
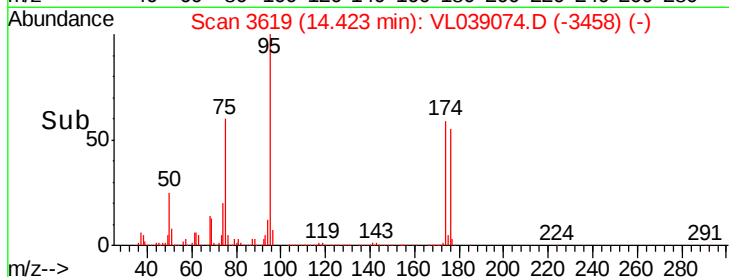
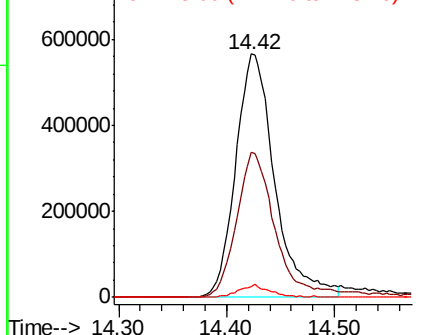


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.975 ppbv
 RT: 14.42 min
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample ID:
 Lab File: 1161-8.01-A-2
 Acq: 17 May 2022 18:19

Tot Ion: 95 Resp: 1428581
 Ion Ratio Lower Upper
 95 100
 174 61.9 50.8 76.2
 175 4.3 3.8 5.6

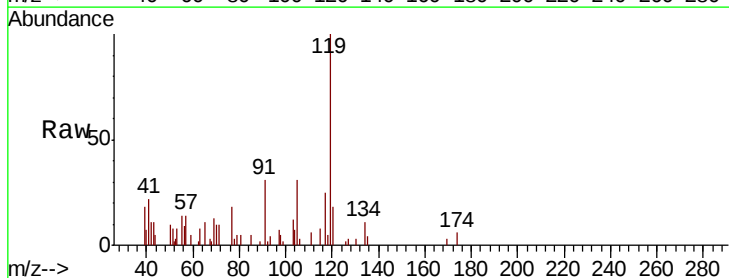


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

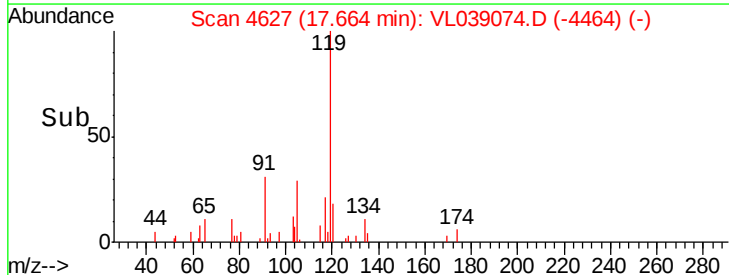
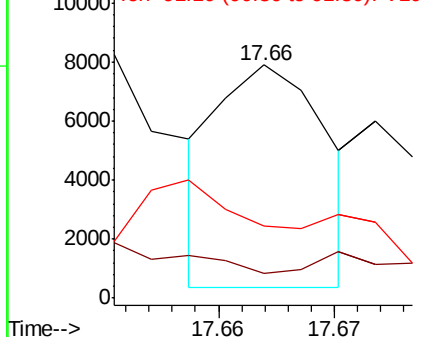


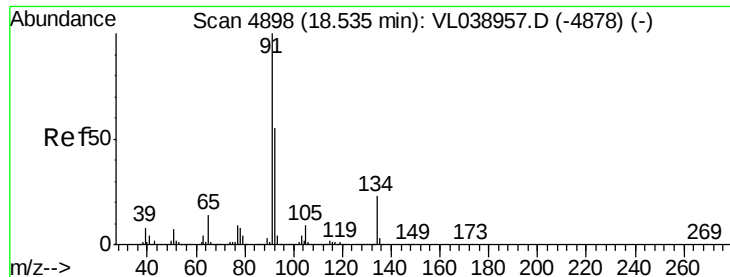
#69
 p-Isopropyltoluene
 Concen: 0.017 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.03 min
 Lab File: VL039074.D
 Acq: 17 May 2022 18:19

Tgt Ion: 119 Resp: 4888
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.0 30.0#
 91 153.8 24.8 37.2#



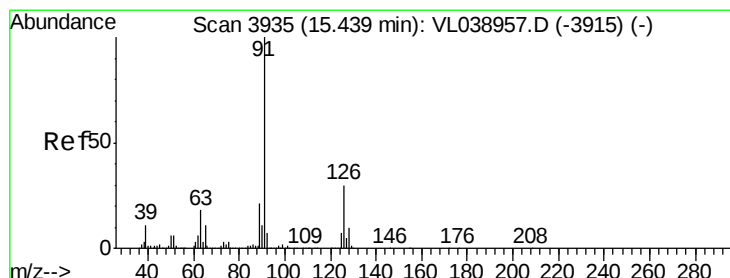
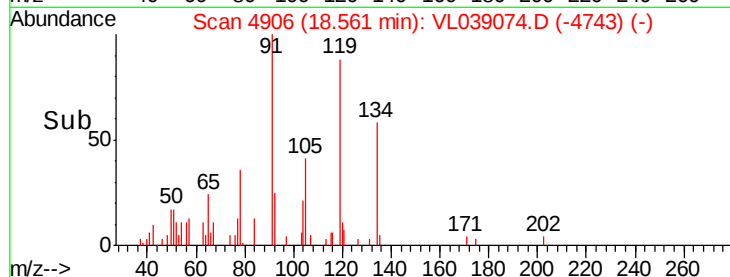
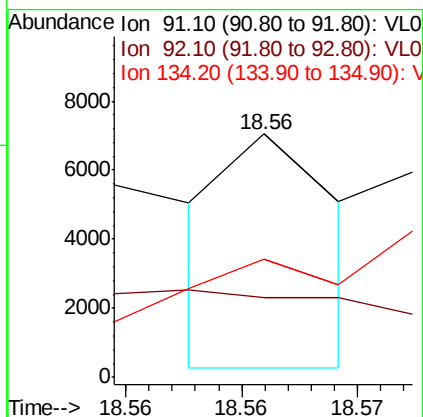
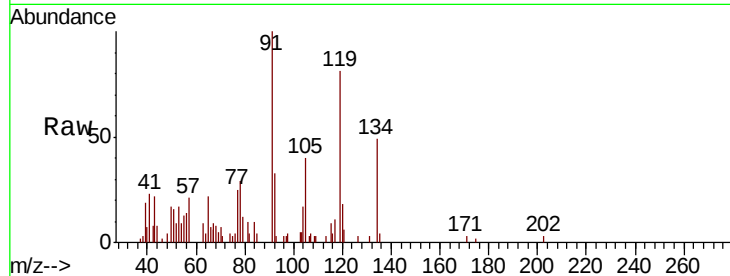
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0





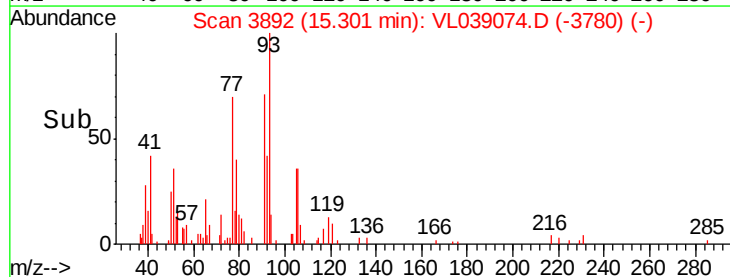
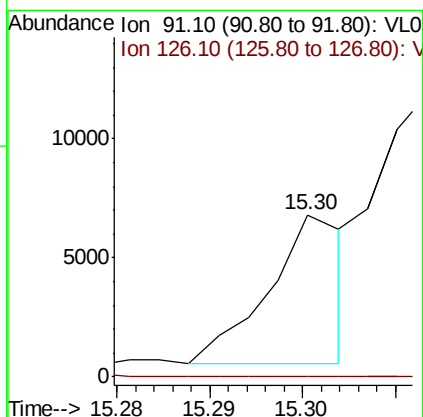
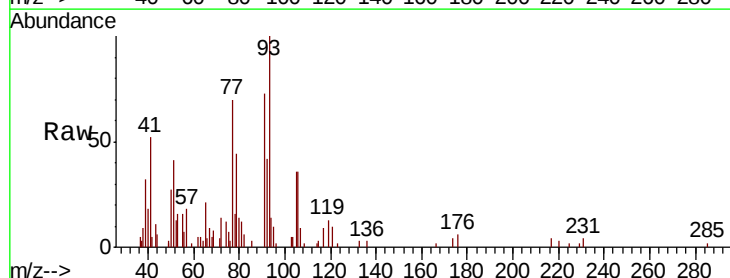
#70
n-Butylbenzene
Concen: 0.007 ppbv
RT: 18.56
Delta R.T. MSVOA_L
Lab File: ClientSampled : 1161-8.01-A-2
Acq: 17 May 2022 18:19

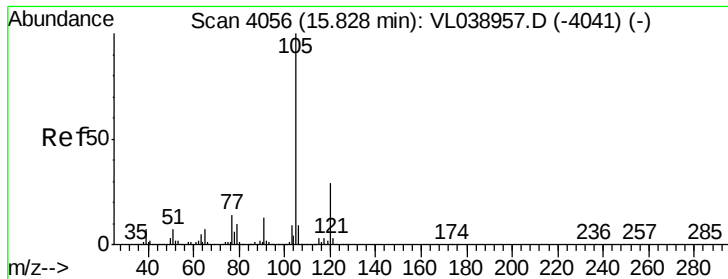
Tot Ion: 91 Resp: 2232
Ion Ratio Lower Upper
91 100
92 313.2 43.1 64.7#
134 0.0 17.0 25.4#



#71
2-Chlorotoluene
Concen: 0.017 ppbv
RT: 15.30 min Scan# 3892
Delta R.T. -0.14 min
Lab File: VL039074.D
Acq: 17 May 2022 18:19

Tgt Ion: 91 Resp: 3552
Ion Ratio Lower Upper
91 100
126 21.3 11.9 47.5





#72

4-Ethyltoluene

Concen: 0.249 ppbv

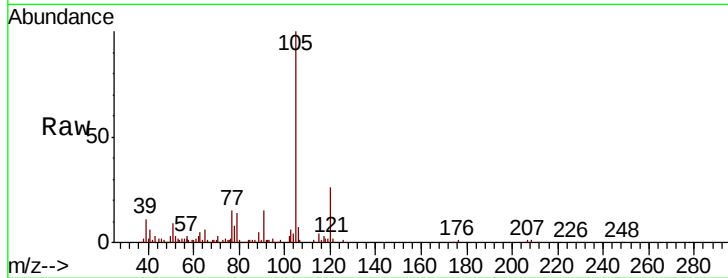
RT: 15.85

Delta R.T. MSVOA_1

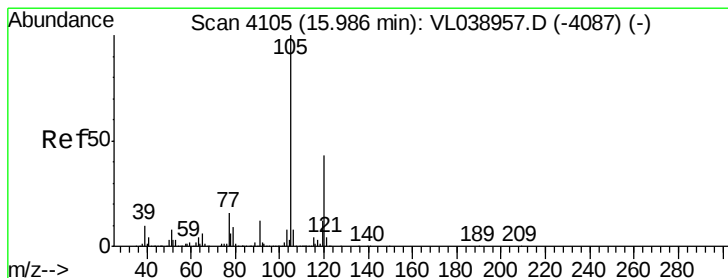
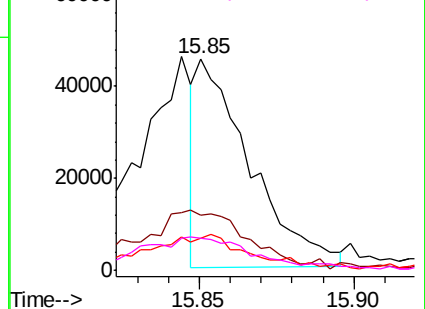
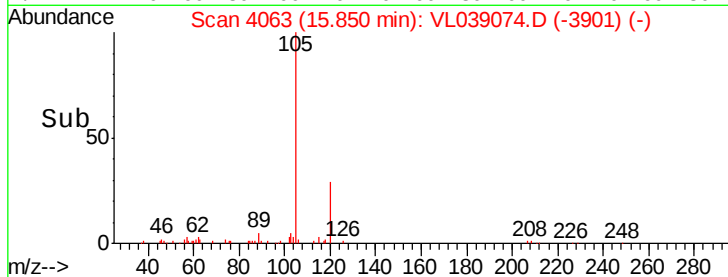
Lab File: ClientSampleId:

Acq: 17 May 2022 18:19

Tot Ion:	105	Resp:	53947
Ion	Ratio	Lower	Upper
105	100		
120	57.8	23.4	35.0#
91	31.1	10.6	16.0#
77	33.6	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: 0.335 ppbv

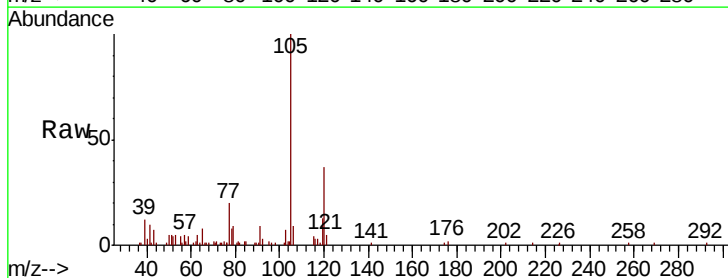
RT: 16.01 min Scan# 4112

Delta R.T. 0.02 min

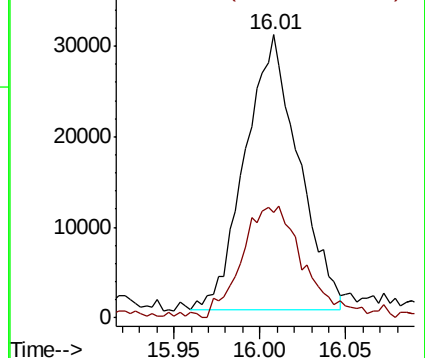
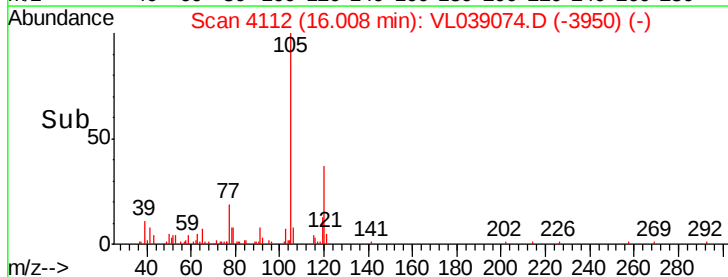
Lab File: VL039074.D

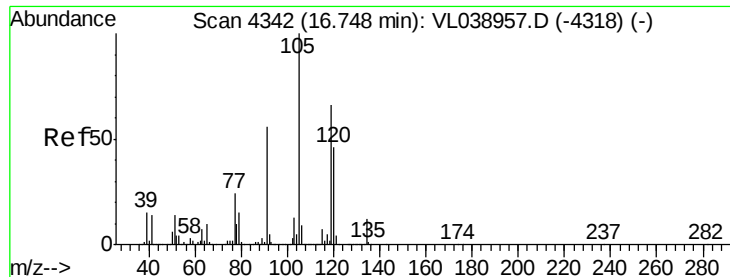
Acq: 17 May 2022 18:19

Tgt Ion:	105	Resp:	65238
Ion	Ratio	Lower	Upper
105	100		
120	36.6	34.4	51.6



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





#74

1,2,4-Trimethylbenzene

Concen: 1.340 ppbv

RT: 16.77

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 18:19

Tot Ion:105 Resp: 286126

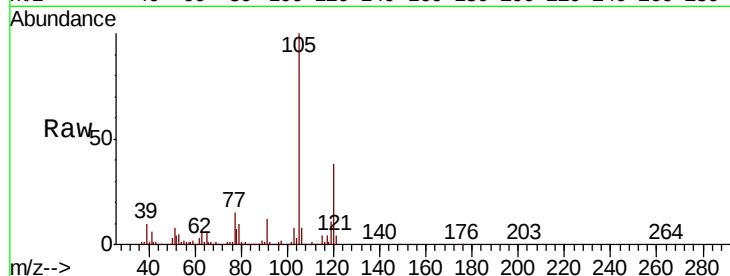
Ion Ratio Lower Upper

105 100

120 38.3 36.9 55.3

91 11.3 45.0 67.4#

77 14.5 19.2 28.8#



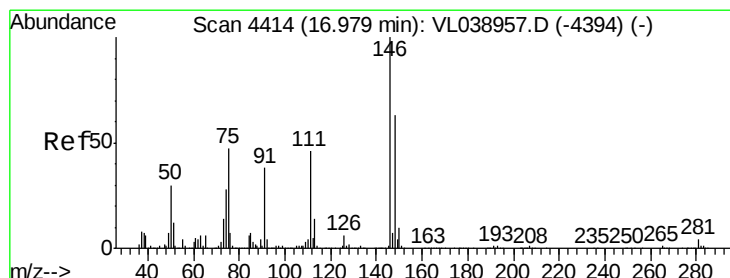
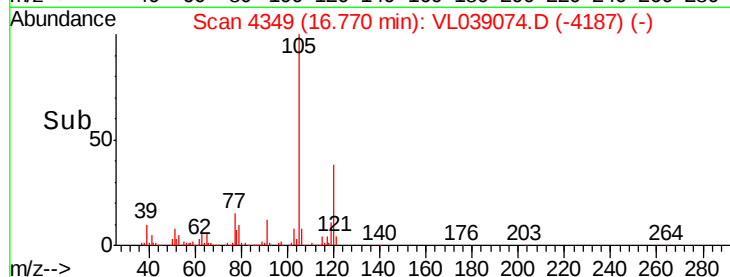
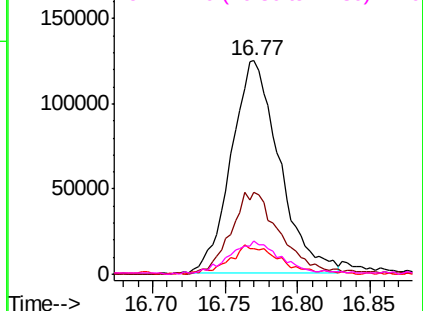
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.005 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.03 min

Lab File: VL039074.D

Acq: 17 May 2022 18:19

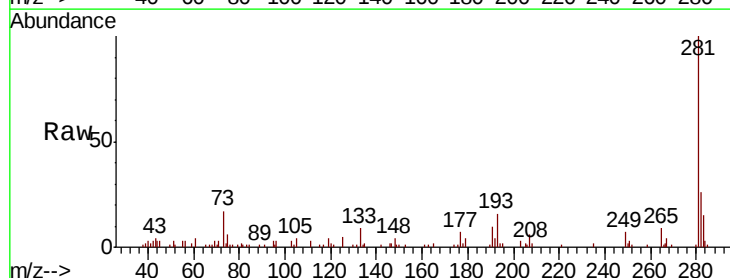
Tgt Ion:146 Resp: 593

Ion Ratio Lower Upper

146 100

111 429.7 24.1 72.2#

148 143.7 32.4 97.2#

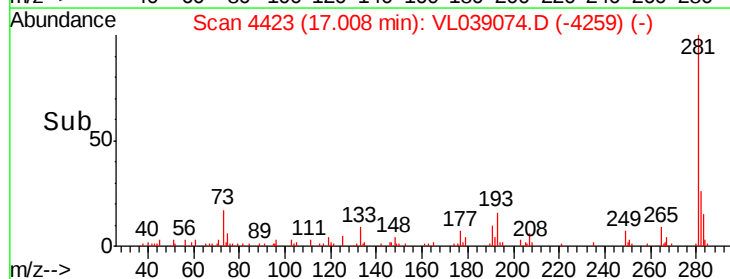
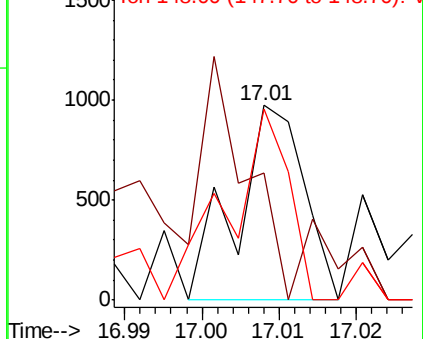


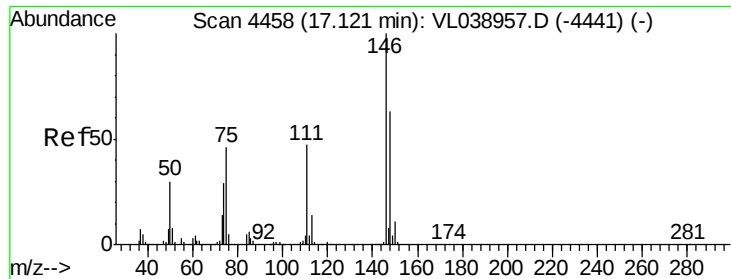
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

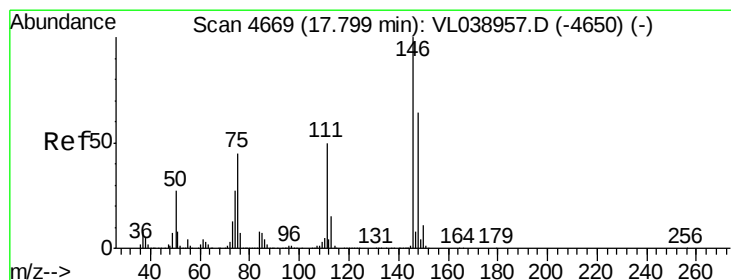
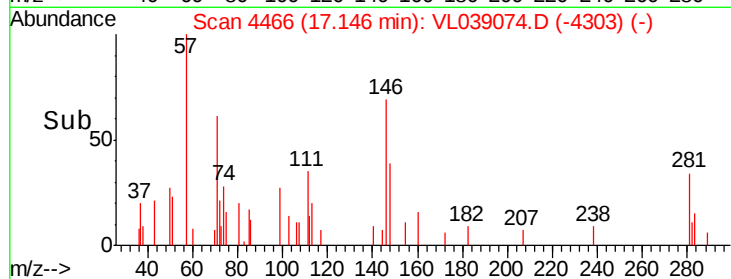
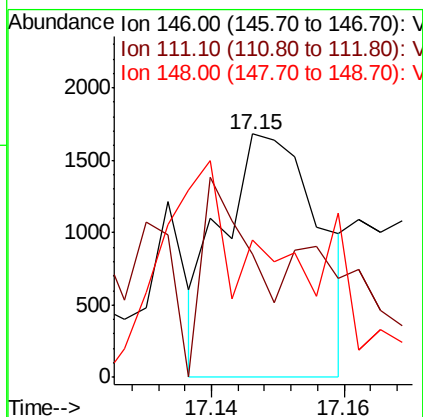
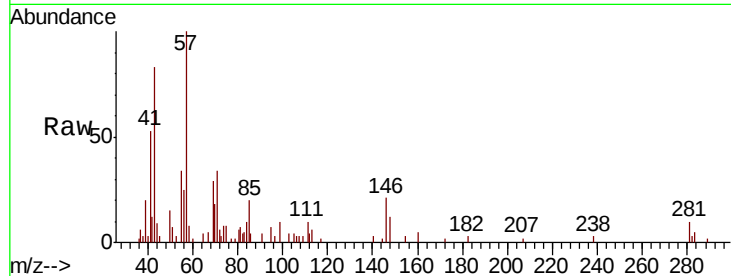
Ion 148.00 (147.70 to 148.70): V





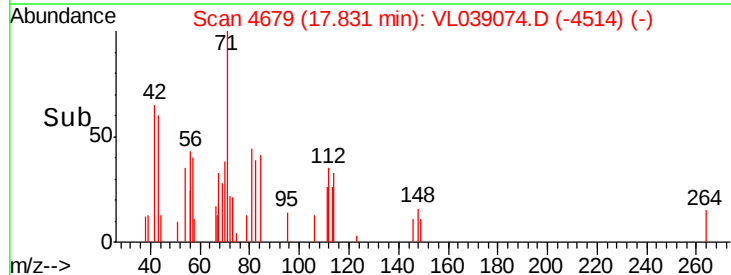
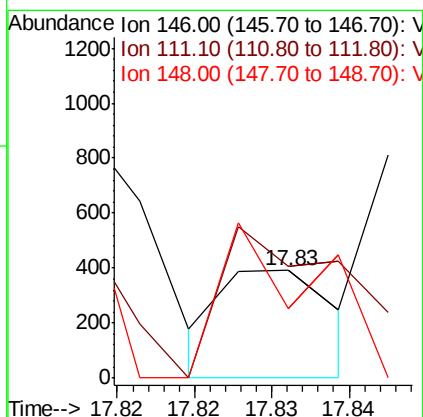
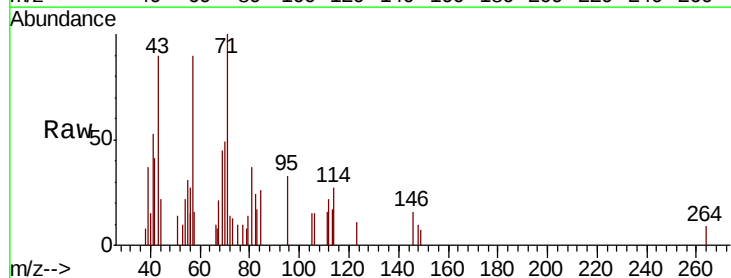
#76
 1,4-Dichlorobenzene
 Concen: 0.015 ppbv
 RT: 17.15 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampled : 1161-8.01-A-2
 Acq: 17 May 2022 18:19

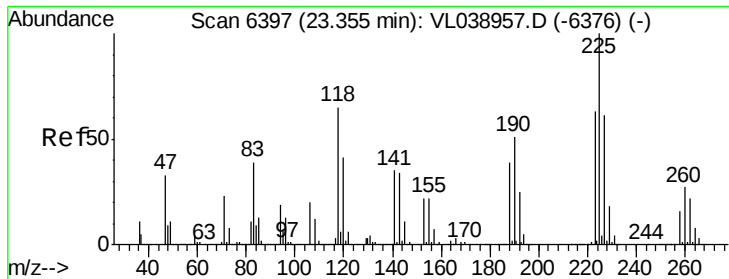
Tot Ion:146 Resp: 1722
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.6 71.0#
 148 0.0 32.2 96.6#



#77
 1,2-Dichlorobenzene
 Concen: 0.002 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. 0.03 min
 Lab File: VL039074.D
 Acq: 17 May 2022 18:19

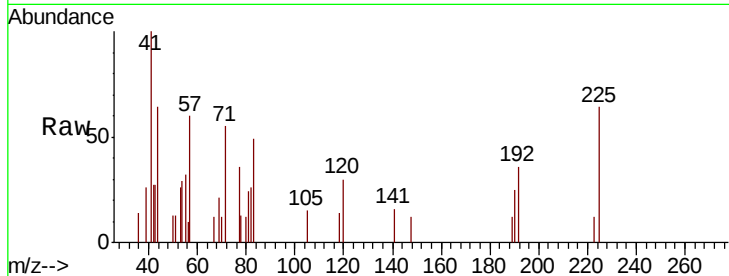
Tgt Ion:146 Resp: 198
 Ion Ratio Lower Upper
 146 100
 111 579.3 25.3 75.9#
 148 0.0 32.3 96.9#



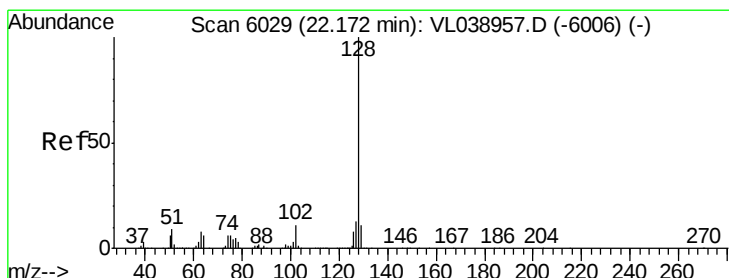
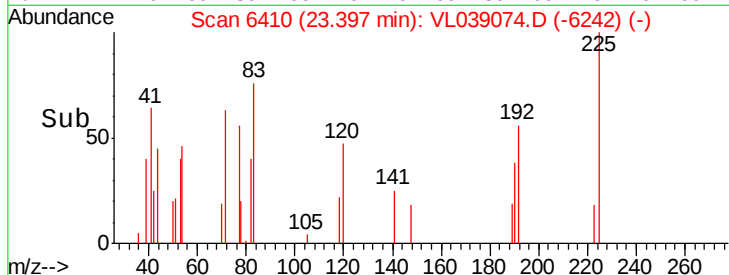
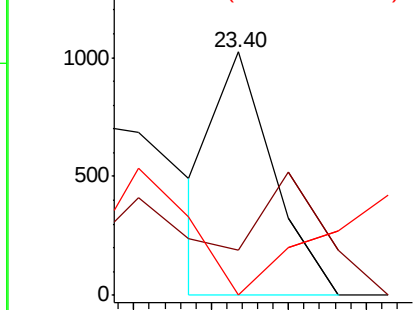


#78
Hexachloro-1,3-Butadiene
Concen: 0.002 ppbv
RT: 23.40 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : 1161-8.01-A-2
Acq: 17 May 2022 18:19

Tot Ion: 225 Resp: 260
Ion Ratio Lower Upper
225 100
223 0.0 51.4 77.0#
227 0.0 51.4 77.0#

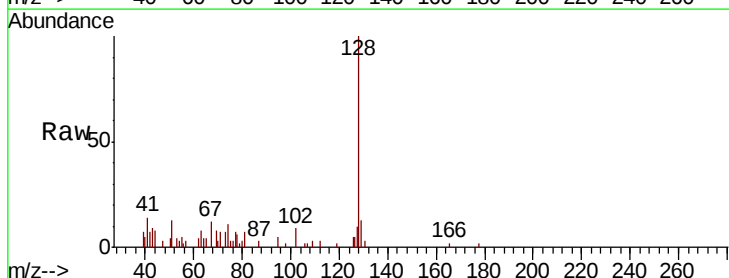


Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V

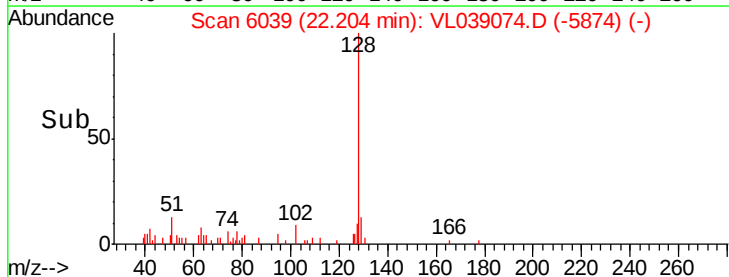
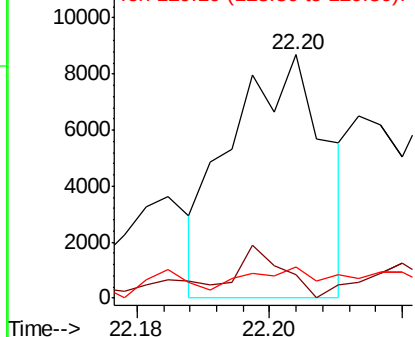


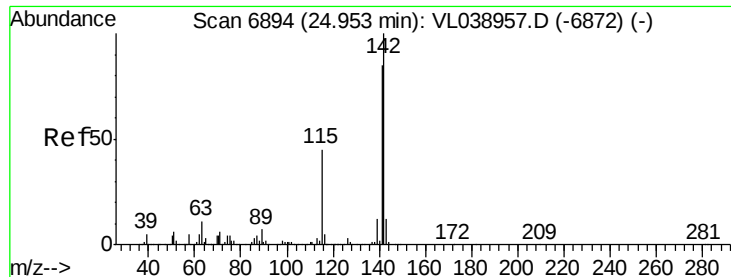
#79
Naphthalene
Concen: 0.050 ppbv
RT: 22.20 min Scan# 6039
Delta R.T. 0.03 min
Lab File: VL039074.D
Acq: 17 May 2022 18:19

Tgt Ion: 128 Resp: 8636
Ion Ratio Lower Upper
128 100
127 6.6 10.2 15.2#
129 9.4 8.9 13.3



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





#80

Naphthalene, 2-methyl-

Concen: 0.034 ppbv

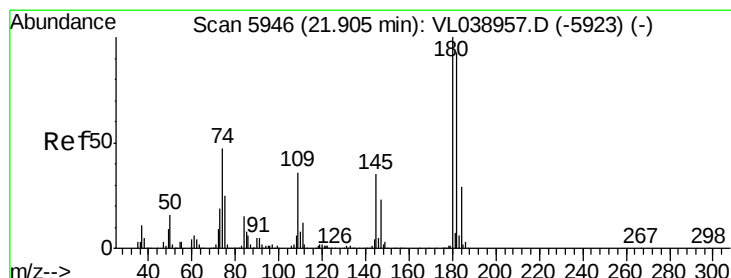
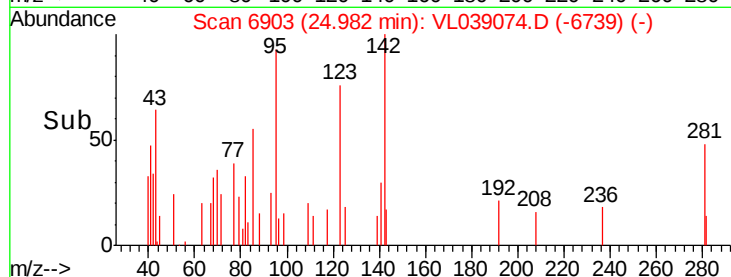
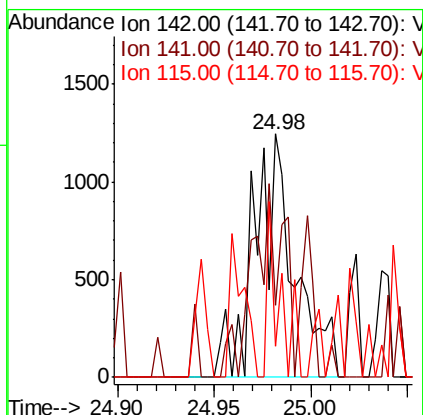
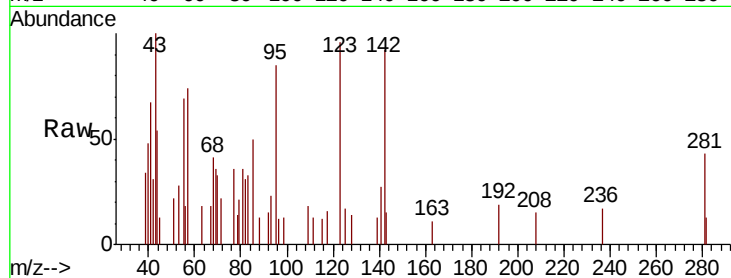
RT: 24.98 min

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 17 May 2022 18:19

Tot Ion:	142	Resp:	1802
Ion	Ratio	Lower	Upper
142	100		
141	85.2	70.8	106.2
115	22.4	35.1	52.7#



#81

1,2,4-Trichlorobenzene

Concen: 0.004 ppbv

RT: 21.93 min Scan# 5955

Delta R.T. 0.03 min

Lab File: VL039074.D

Acq: 17 May 2022 18:19

Tgt Ion:	180	Resp:	403
Ion	Ratio	Lower	Upper
180	100		
182	507.2	78.4	117.6#
184	0.0	24.4	36.6#

