

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL038995.D
 Acq On : 9 May 2022 20:24
 Operator : SY/AP
 Sample : N2724-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: May 10 05:45:13 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	5.65	49	1148224	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2630459	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2386648	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2021862	10.70	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	62301	0.346	ppbv	100
3) Chlorodifluoromethane	2.98	51	3515573	24.674	ppbv	99
4) Chloromethane	3.13	50	3632	0.051	ppbv	99
7) Chloroethane	3.54	64	2085	0.096	ppbv	90
9) Propene	3.00	41	210138	3.377	ppbv	92
10) Heptane	8.10	43	171316	1.122	ppbv	92
11) Trichlorofluoromethane	3.93	101	23095	0.150	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	3430	0.032	ppbv #	1
13) Ethanol	3.60	45	18279	4.151	ppbv #	31
15) Acetone	3.83	43	412337	3.807	ppbv #	61
16) 1,3-Butadiene	3.30	39	112983	1.816	ppbv #	37
17) tert-Butyl alcohol	4.29	59	19530	0.235	ppbv #	74
19) Isopropyl Alcohol	3.95	45	15875	0.308	ppbv #	95
20) Methylene Chloride	4.33	84	266221	6.521	ppbv	92
23) Vinyl Acetate	5.05	43	11644830	135.879	ppbv #	94
25) Ethyl Acetate	5.66	43	1071799	4.134	ppbv #	81
26) Hexane	5.67	57	1470836	12.769	ppbv #	23
27) Carbon Disulfide	4.53	76	9818	0.090	ppbv #	63
28) Methyl tert-Butyl Ether	5.02	73	53787	0.614	ppbv #	52
29) Chloroform	5.73	83	2184676	11.723	ppbv	99
34) 2-Butanone	5.23	43	395961	2.951	ppbv	98
36) Benzene	6.86	78	52044	0.231	ppbv #	86
38) Trichloroethene	7.81	130	3056	0.031	ppbv #	43
39) 1,2-Dichloropropane	7.15	63	754474	8.614	ppbv #	27
41) Tetrahydrofuran	5.66	42	759898	8.425	ppbv #	45
44) 2,2,4-Trimethylpentane	7.85	57	18229	0.046	ppbv #	43
51) 2-Hexanone	10.10	43	448140	2.609	ppbv #	98
52) Tetrachloroethene	11.20	164	2911455	36.192	ppbv	96
53) Toluene	9.78	91	81478	0.323	ppbv	97
58) Ethyl Benzene	12.68	91	13023	0.038	ppbv	92
59) m/p-Xylene	12.97	91	28056	0.096	ppbv #	33
60) o-Xylene	13.65	91	60415	0.219	ppbv	100
61) Styrene	13.49	104	42379	0.288	ppbv	92
62) Isopropylbenzene	14.63	105	119662	0.297	ppbv	99
64) n-propylbenzene	15.73	120	3002	0.031	ppbv	71
69) p-Isopropyltoluene	17.62	119	53201	0.130	ppbv	99
72) 4-Ethyltoluene	15.80	105	33623	0.107	ppbv #	87
73) 1,3,5-Trimethylbenzene	15.96	105	28796	0.102	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	80553	0.260	ppbv #	63

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Quant Time: May 10 05:45:13 2022
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

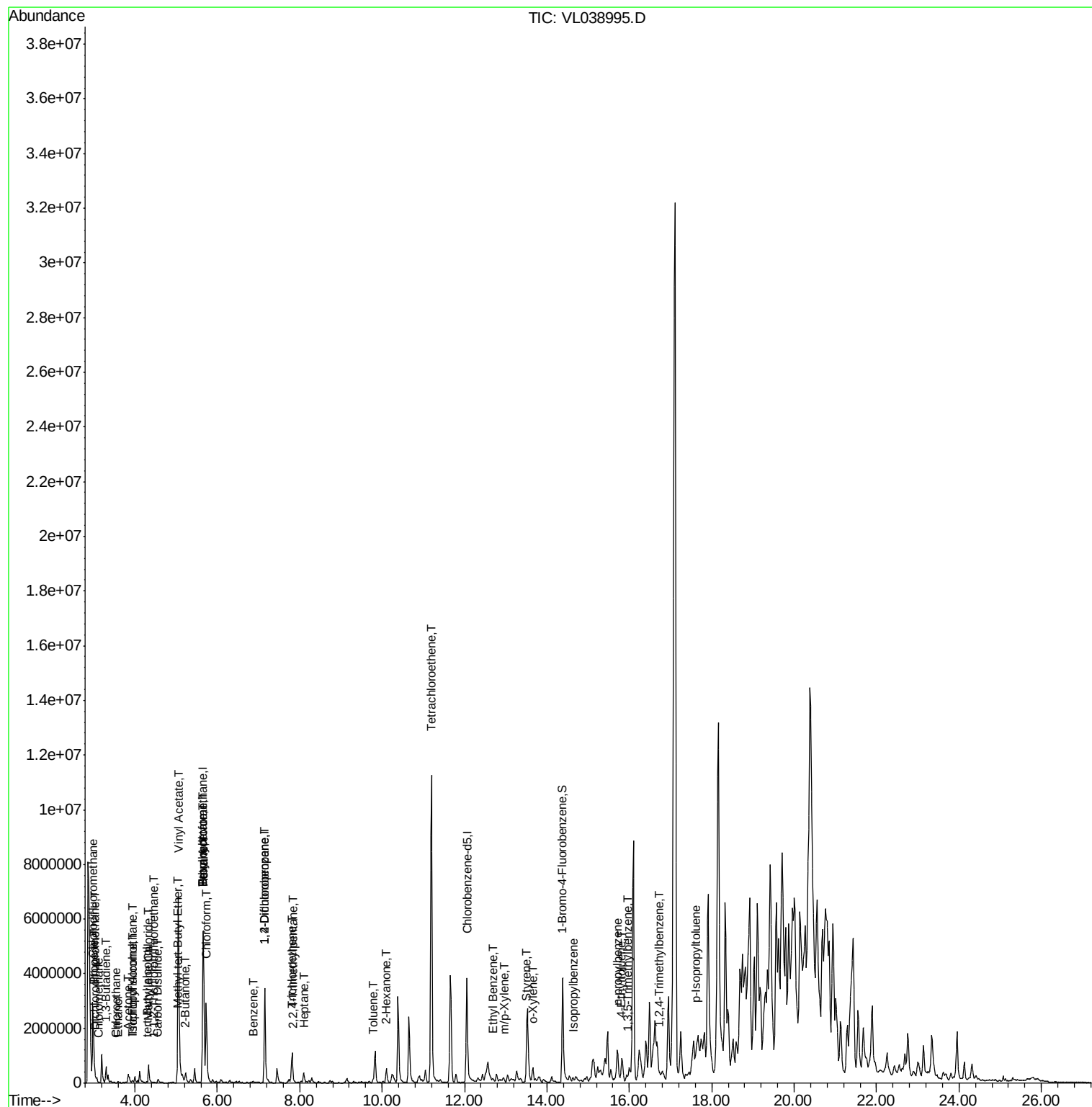
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

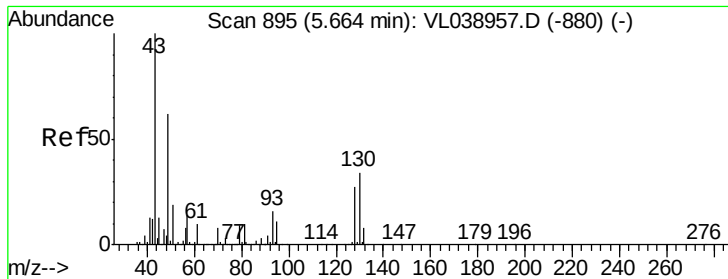
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 9 May 2022 20:24

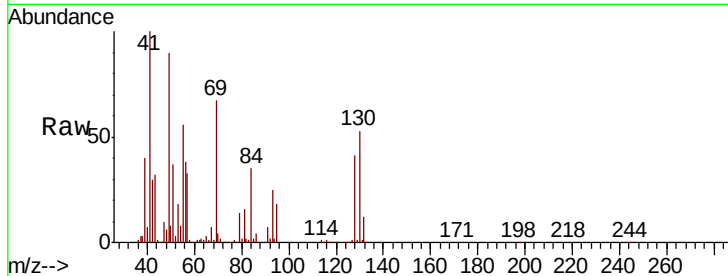
Tot Ion: 49 Resp: 1148224

Ion Ratio Lower Upper

49 100

128 44.9 23.3 69.8

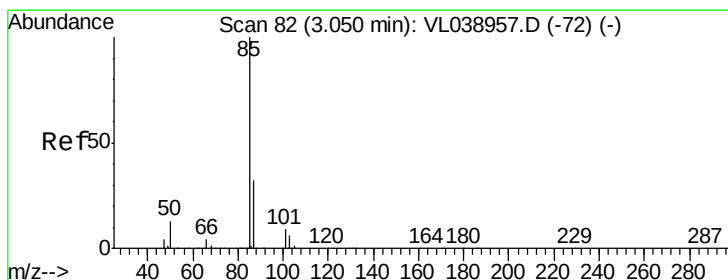
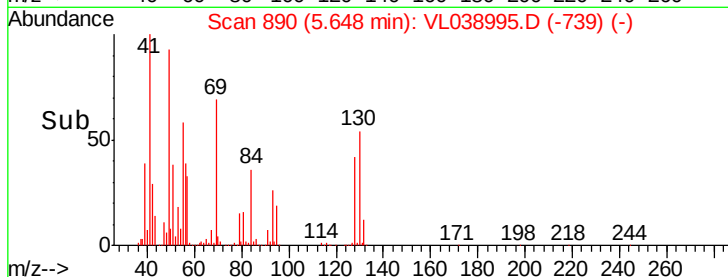
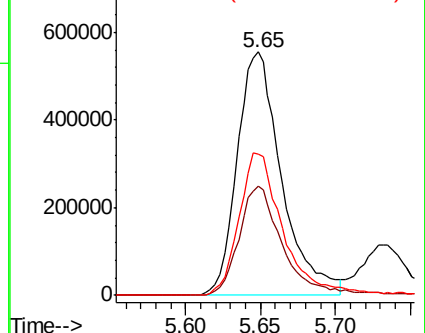
130 59.5 29.8 89.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.346 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL038995.D

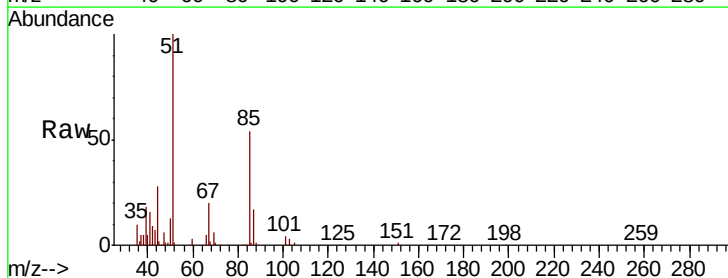
Acq: 9 May 2022 20:24

Tgt Ion: 85 Resp: 62301

Ion Ratio Lower Upper

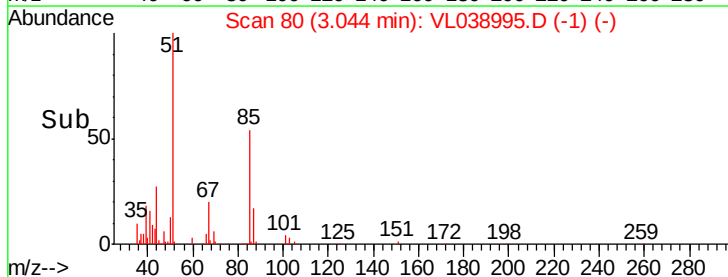
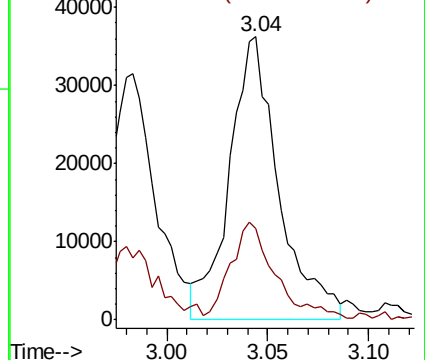
85 100

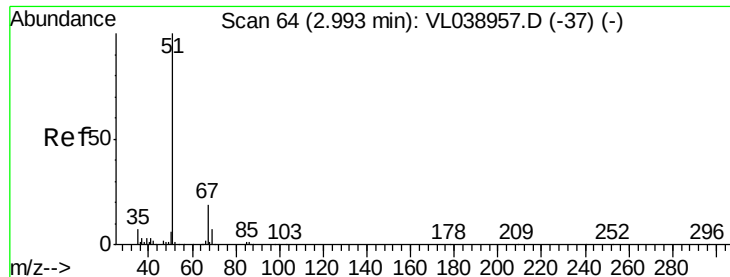
87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 24.674 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

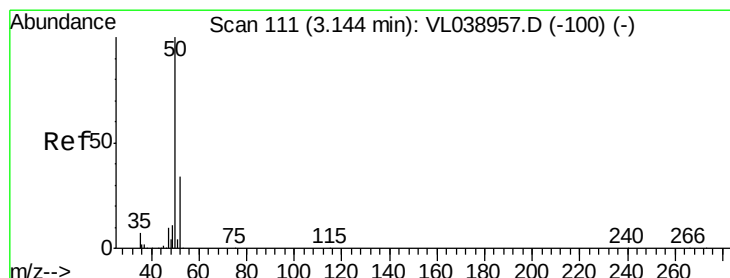
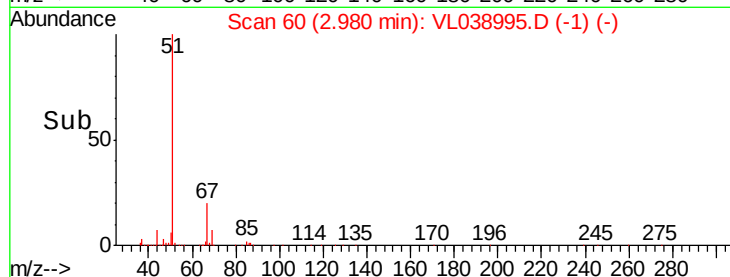
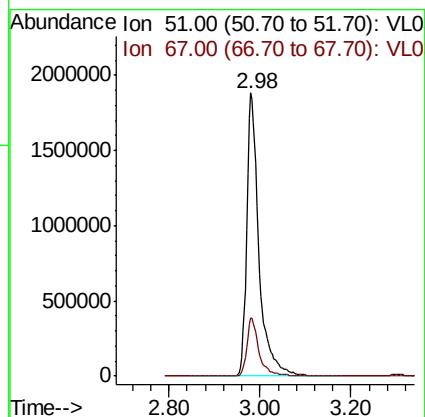
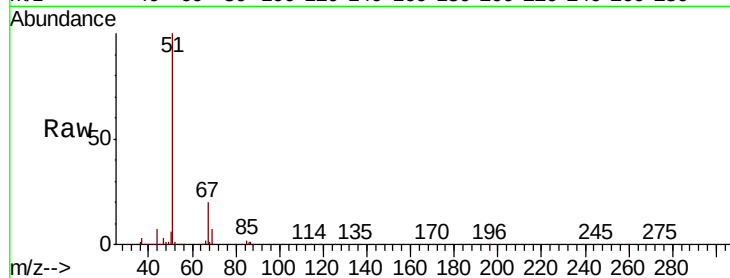
Acq: 9 May 2022 20:24 SV1

Tot Ion: 51 Resp: 3515573

Ion Ratio Lower Upper

51 100

67 20.4 15.8 23.8



#4

Chloromethane

Concen: 0.051 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL038995.D

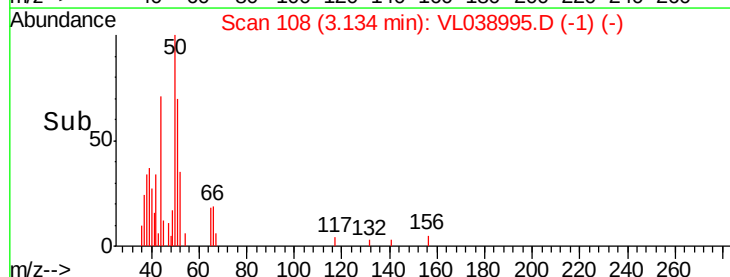
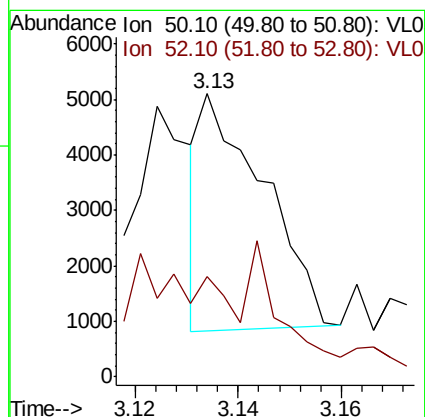
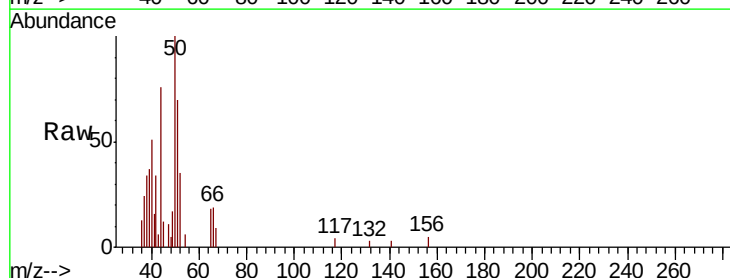
Acq: 9 May 2022 20:24

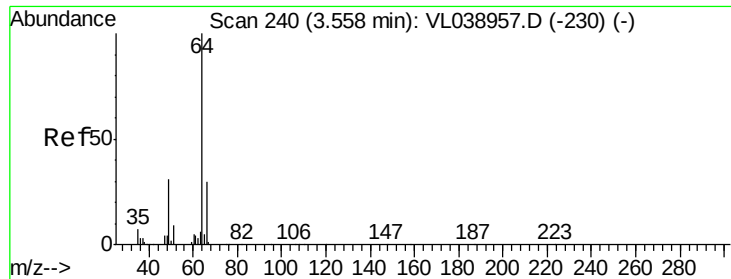
Tgt Ion: 50 Resp: 3632

Ion Ratio Lower Upper

50 100

52 34.9 27.3 40.9





#7

Chloroethane

Concen: 0.096 ppbv

RT: 3.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

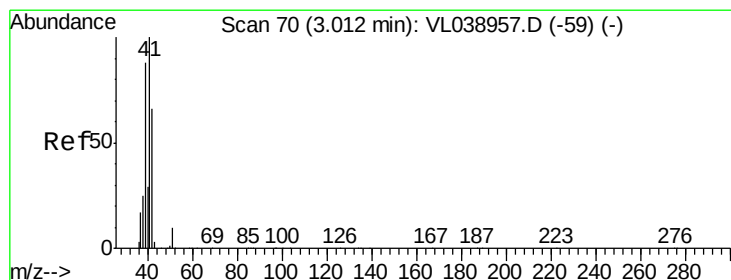
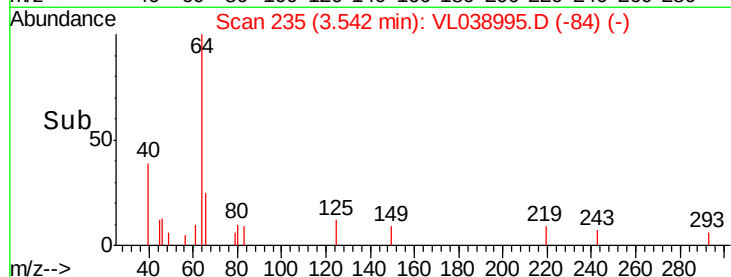
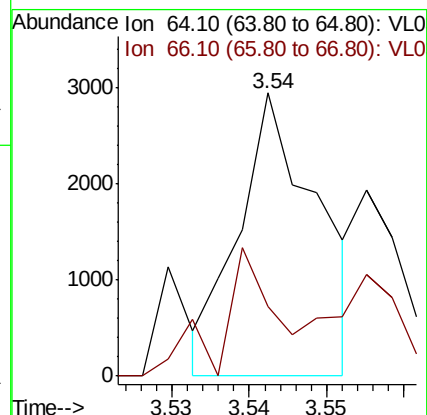
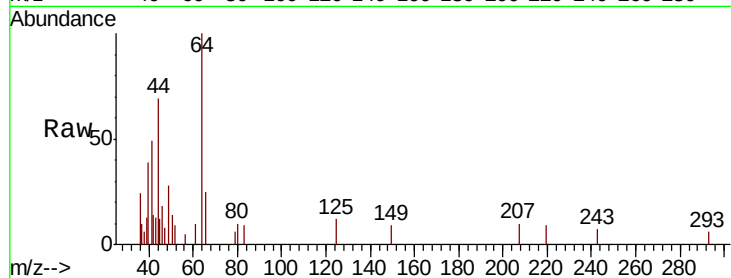
Acq: 9 May 2022 20:24 SV1

Tot Ion: 64 Resp: 2085

Ion Ratio Lower Upper

64 100

66 24.5 23.8 35.8



#9

Propene

Concen: 3.377 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL038995.D

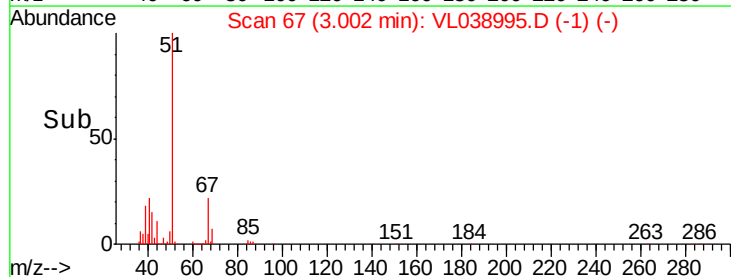
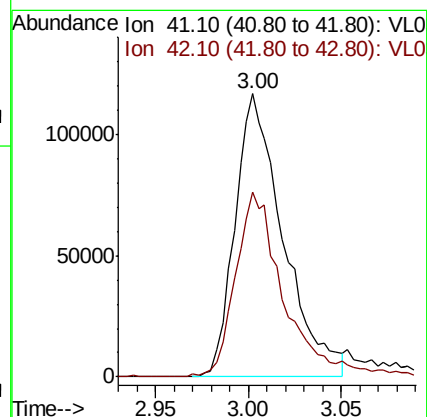
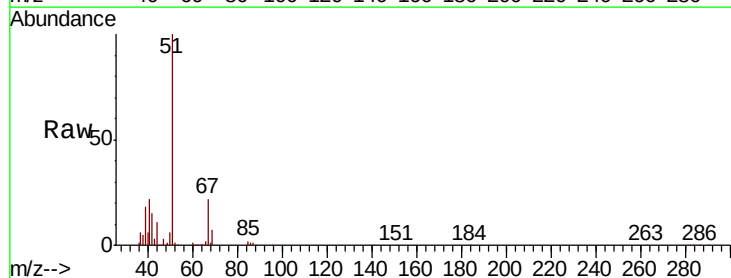
Acq: 9 May 2022 20:24

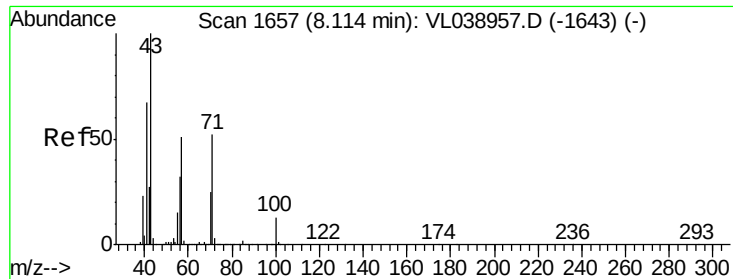
Tgt Ion: 41 Resp: 210138

Ion Ratio Lower Upper

41 100

42 66.0 58.3 87.5





#10

Heptane

Concen: 1.122 ppbv

RT: 8.10 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

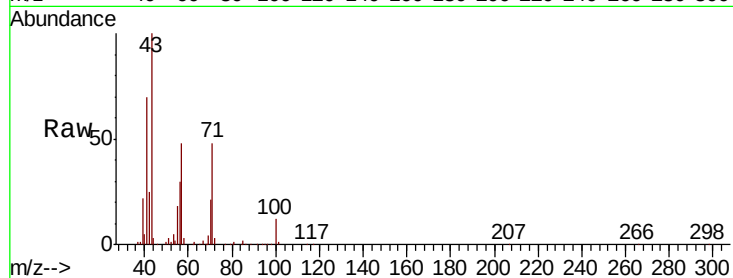
Acq: 9 May 2022 20:24 SV1

Tot Ion: 43 Resp: 171316

Ion Ratio Lower Upper

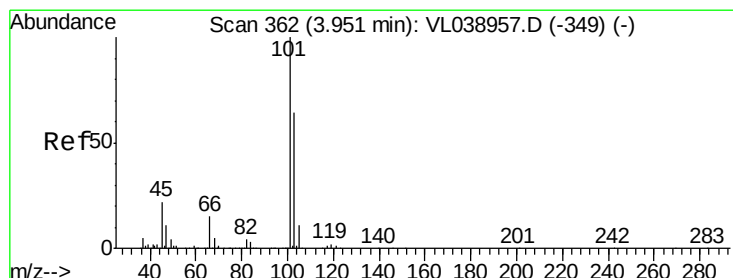
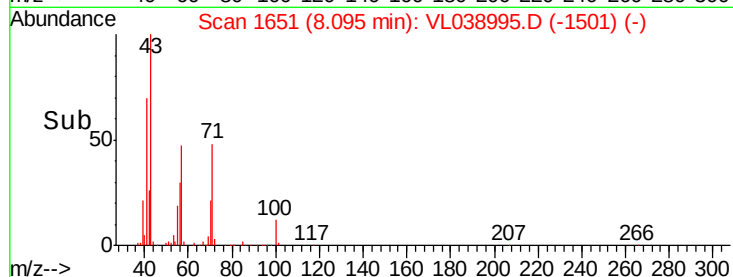
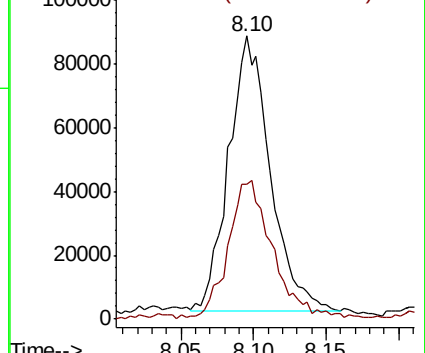
43 100

57 56.2 40.5 60.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.150 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.02 min

Lab File: VL038995.D

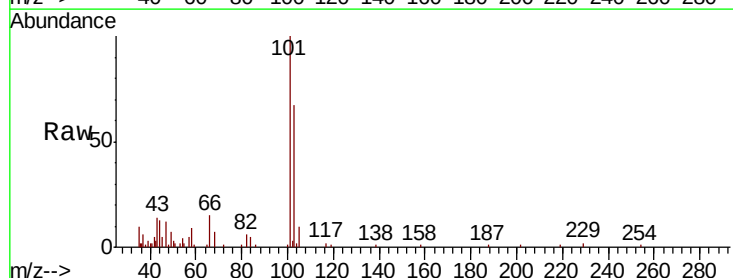
Acq: 9 May 2022 20:24

Tgt Ion:101 Resp: 23095

Ion Ratio Lower Upper

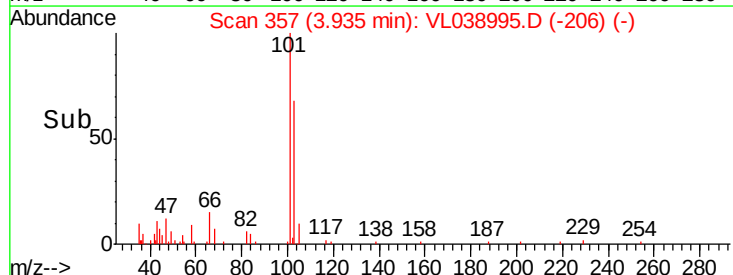
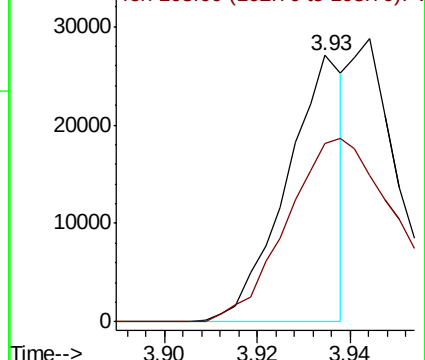
101 100

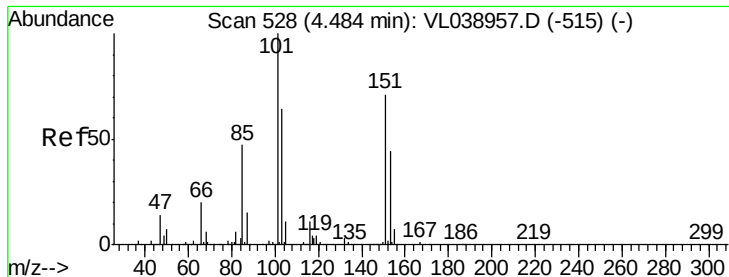
103 67.2 51.5 77.3



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: 0.032 ppbv

RT: 4.47 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

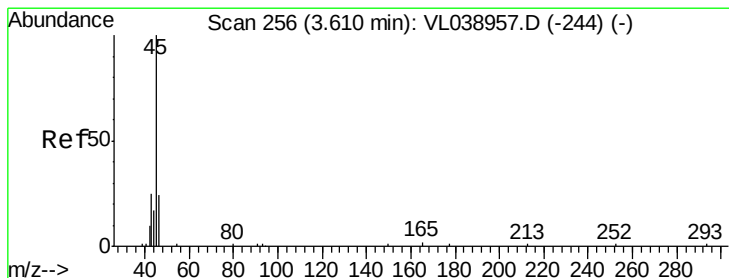
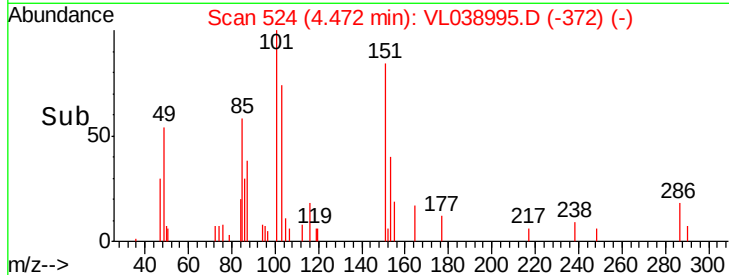
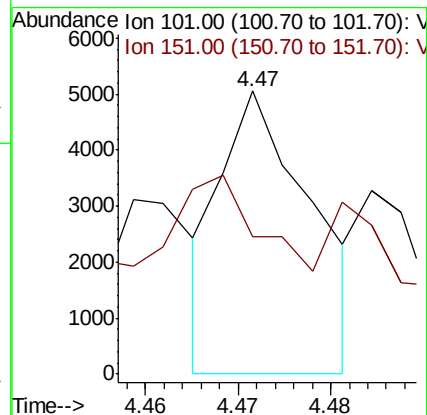
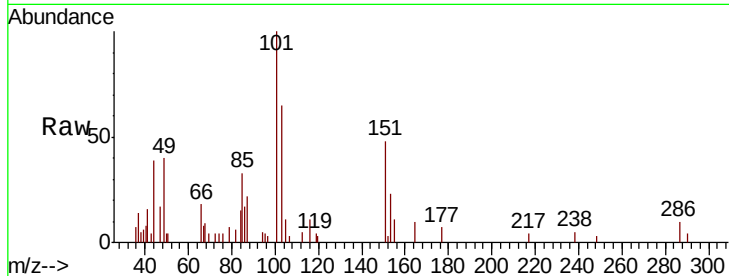
Acq: 9 May 2022 20:24 SV1

Tot Ion:101 Resp: 3430

Ion Ratio Lower Upper

101 100

151 202.8 55.4 83.0#



#13

Ethanol

Concen: 4.151 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL038995.D

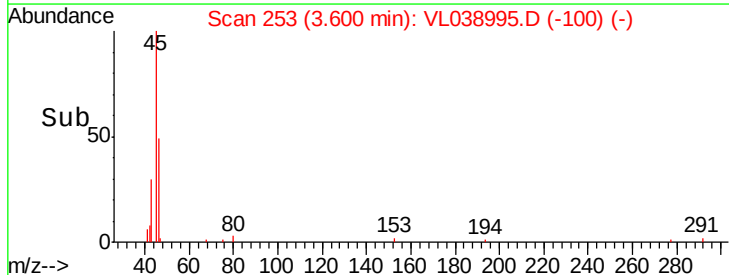
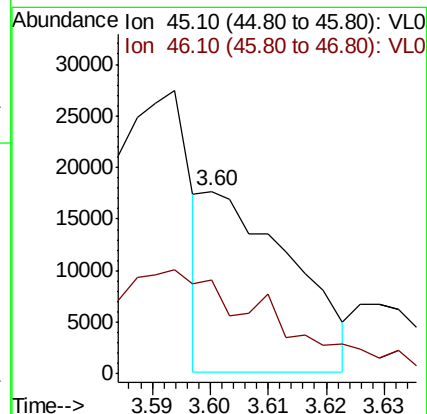
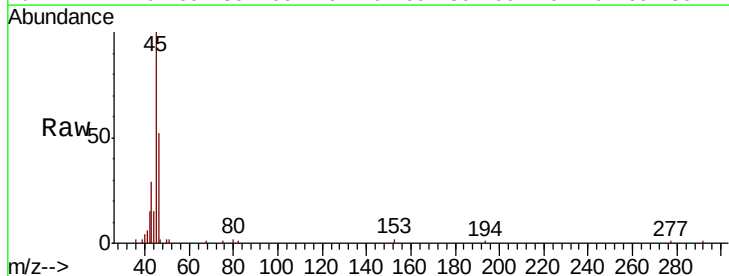
Acq: 9 May 2022 20:24

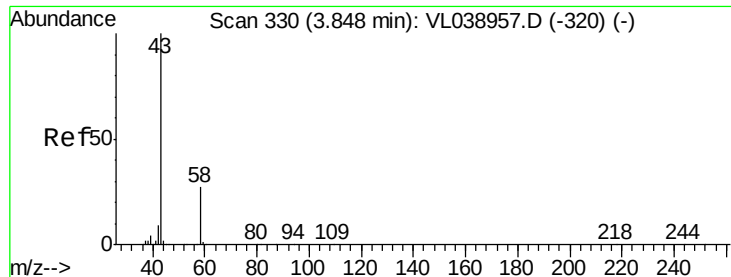
Tgt Ion: 45 Resp: 18279

Ion Ratio Lower Upper

45 100

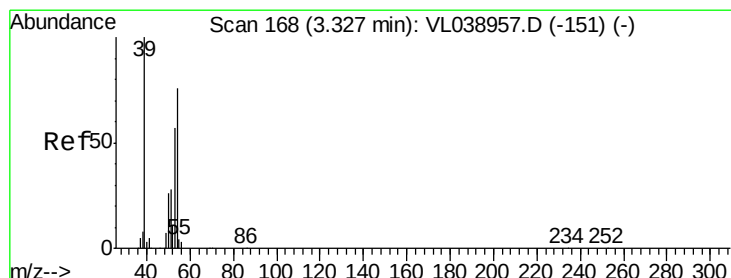
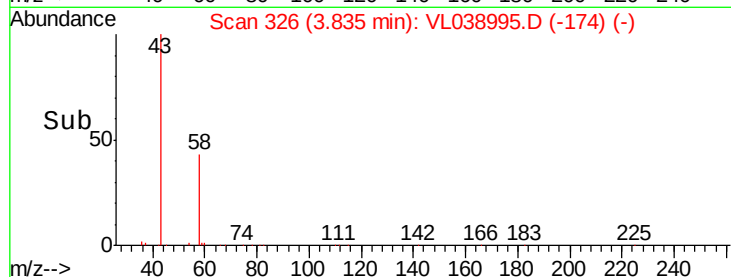
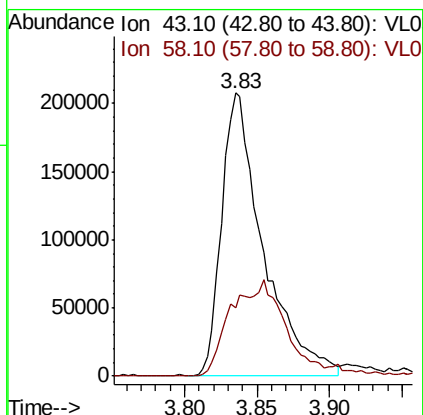
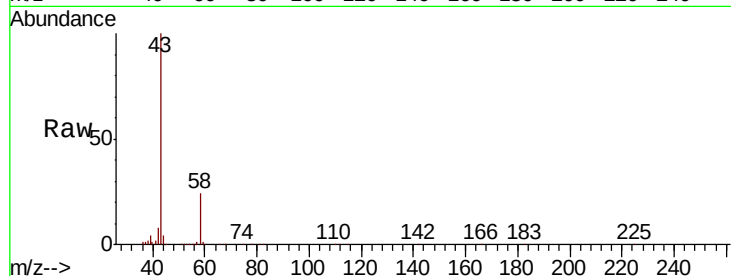
46 0.0 18.0 72.2#





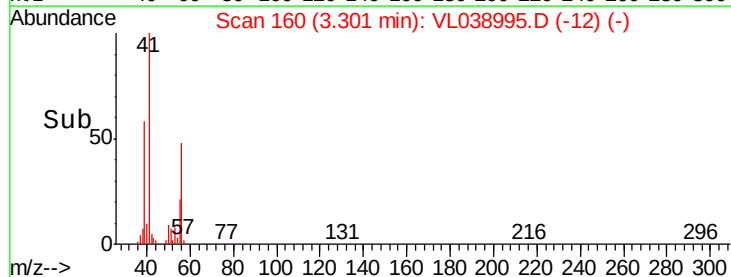
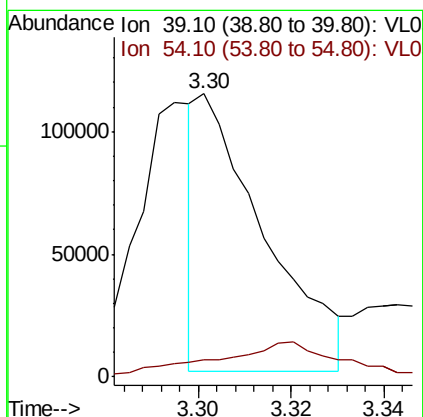
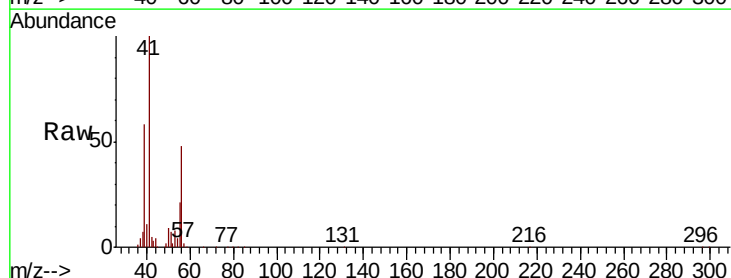
#15
Acetone
Concen: 3.807 ppbv
RT: 3.83
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV1
Acq: 9 May 2022 20:24

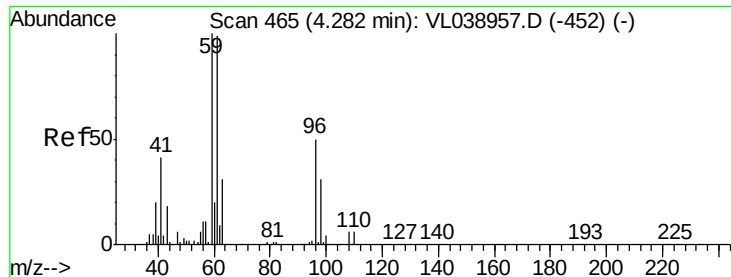
Tot Ion: 43 Resp: 412337
Ion Ratio Lower Upper
43 100
58 46.6 21.3 31.9#



#16
1,3-Butadiene
Concen: 1.816 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.03 min
Lab File: VL038995.D
Acq: 9 May 2022 20:24

Tgt Ion: 39 Resp: 112983
Ion Ratio Lower Upper
39 100
54 25.7 65.2 97.8#





#17

tert-Butyl alcohol

Concen: 0.235 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

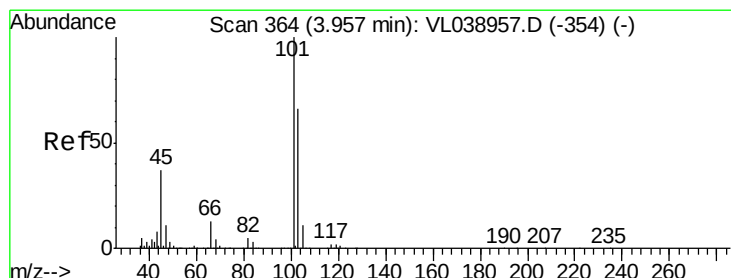
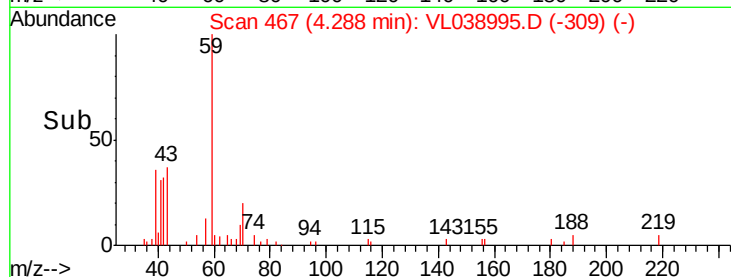
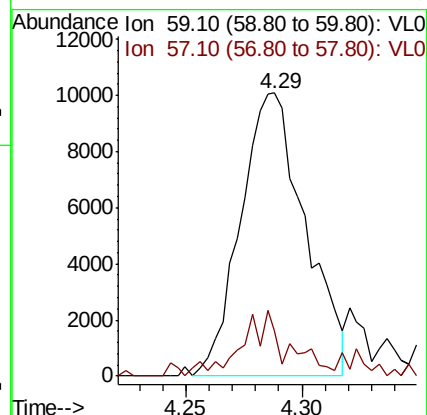
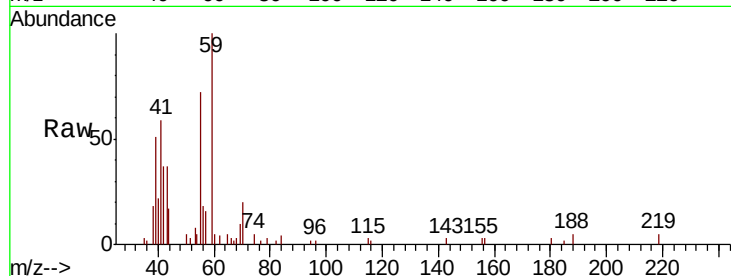
Acq: 9 May 2022 20:24 SV1

Tot Ion: 59 Resp: 19530

Ion Ratio Lower Upper

59 100

57 21.4 9.2 13.8#



#19

Isopropyl Alcohol

Concen: 0.308 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL038995.D

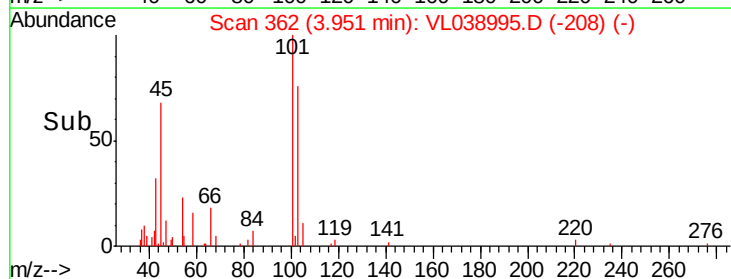
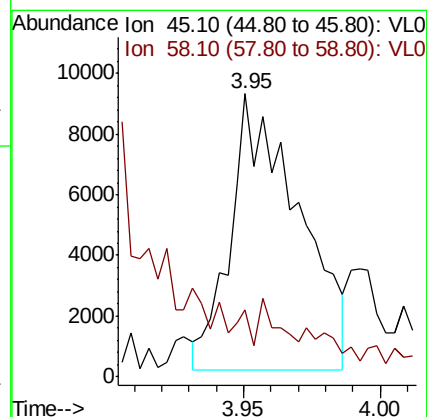
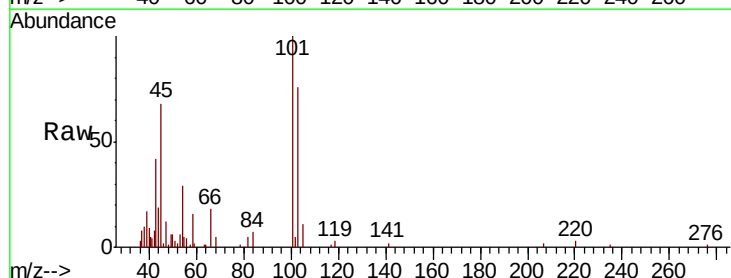
Acq: 9 May 2022 20:24

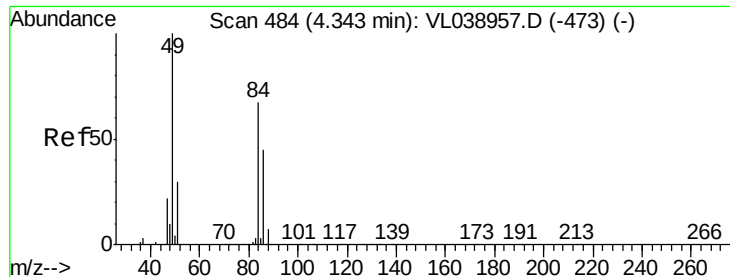
Tgt Ion: 45 Resp: 15875

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#





#20

Methvlene Chloride

Concen: 6.521 ppbv

RT: 4.33 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 May 2022 20:24 SV1

Tot Ion: 84 Resp: 266221

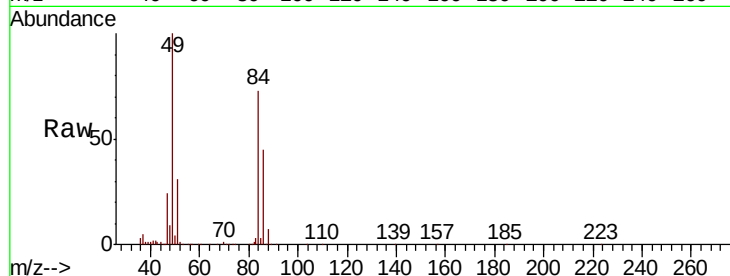
Ion Ratio Lower Upper

84 100

49 138.1 119.9 179.9

51 42.0 35.7 53.5

86 62.5 53.8 80.6

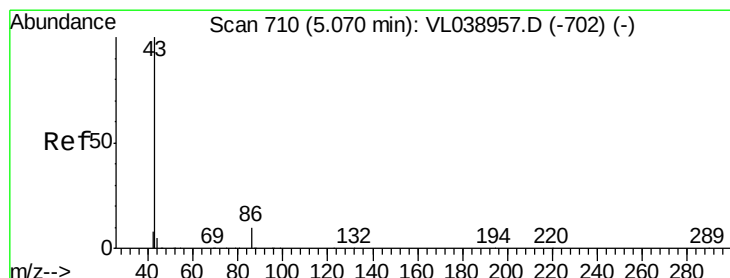
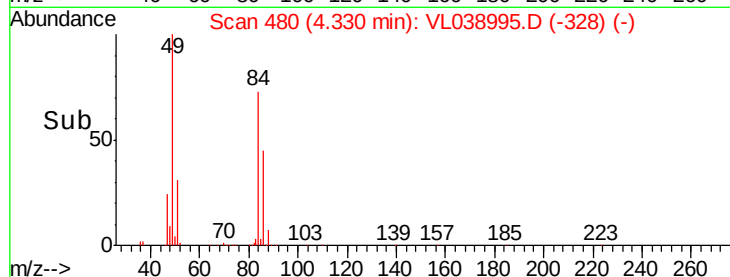
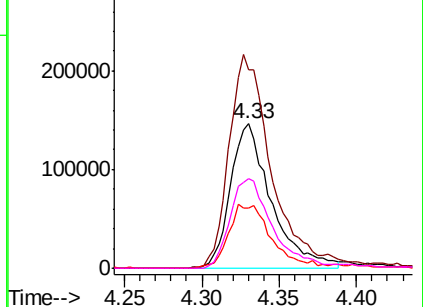


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#23

Vinyl Acetate

Concen: 135.879 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.02 min

Lab File: VL038995.D

Acq: 9 May 2022 20:24

Tgt Ion: 43 Resp: 11644830

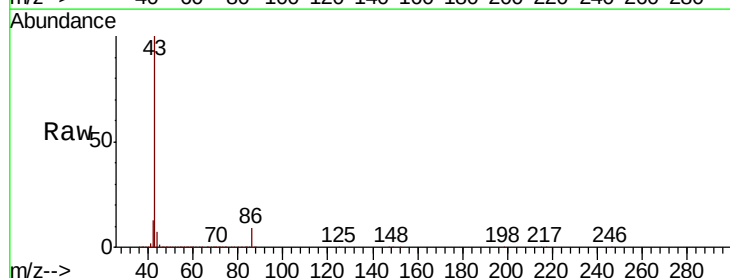
Ion Ratio Lower Upper

43 100

86 9.4 6.6 9.8

42 13.2 8.1 12.1#

44 6.7 3.5 5.3#

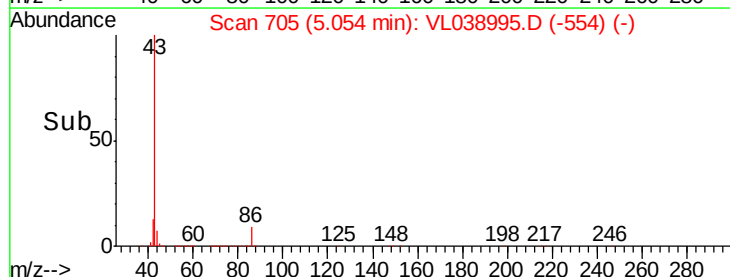
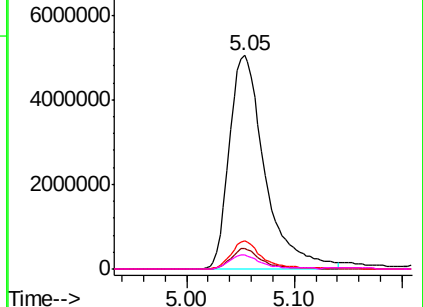


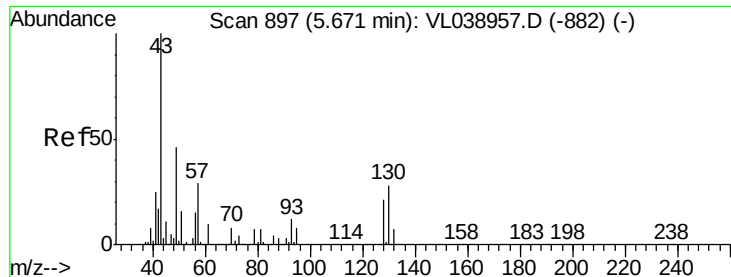
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

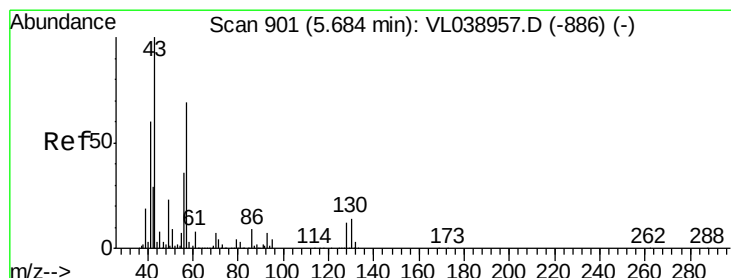
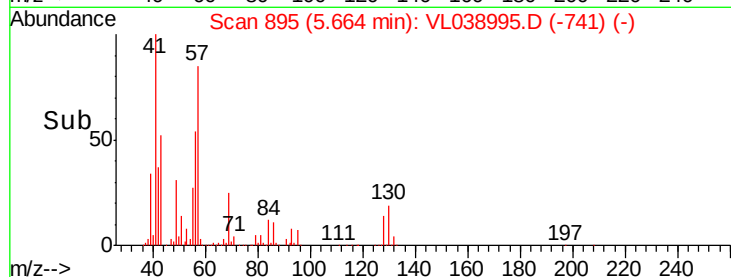
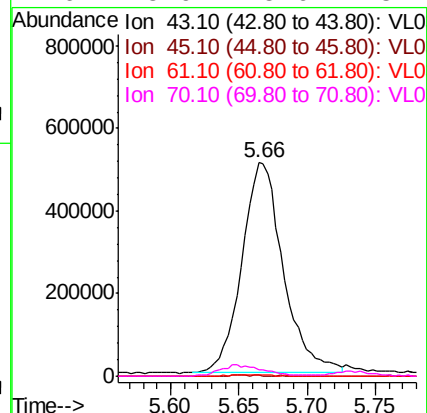
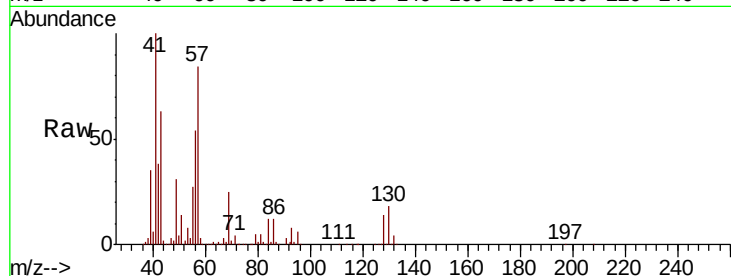




#25
Ethyl Acetate
Concen: 4.134 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV1
Acq: 9 May 2022 20:24

Tot Ion: 43 Resp: 1071799

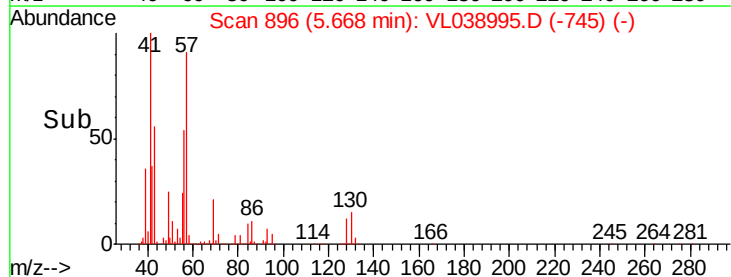
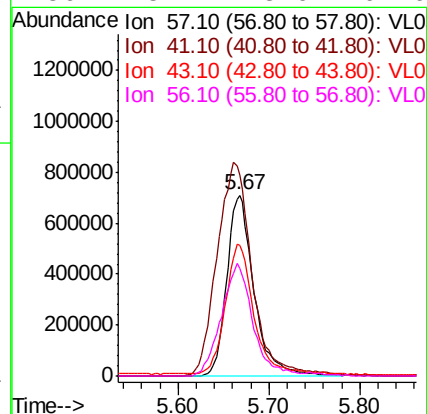
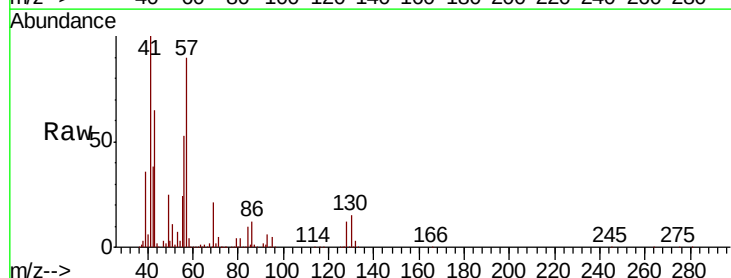
Ion	Ratio	Lower	Upper
43	100		
45	0.6	8.1	12.1#
61	0.9	7.8	11.6#
70	5.9	5.6	8.4

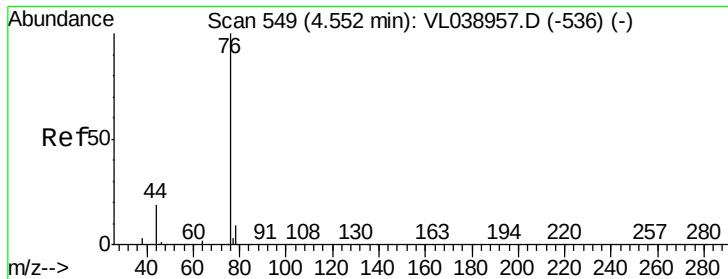


#26
Hexane
Concen: 12.769 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL038995.D
Acq: 9 May 2022 20:24

Tgt Ion: 57 Resp: 1470836

Ion	Ratio	Lower	Upper
57	100		
41	152.6	75.2	112.8#
43	77.4	190.8	286.2#
56	73.1	43.0	64.6#





#27

Carbon Disulfide

Concen: 0.090 ppbv

RT: 4.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 May 2022 20:24

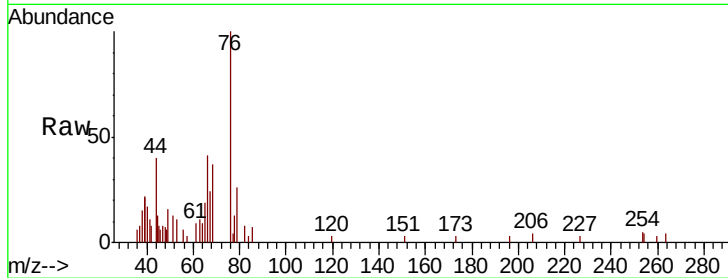
Tot Ion: 76 Resp: 9818

Ion Ratio Lower Upper

76 100

44 0.0 15.3 22.9#

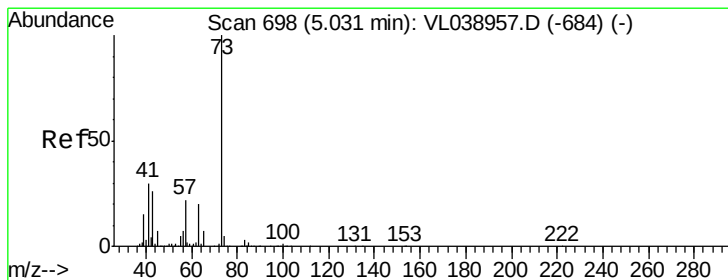
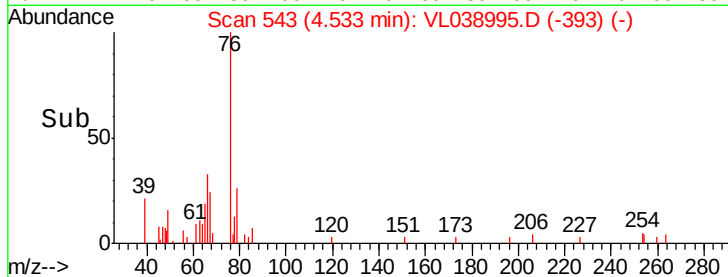
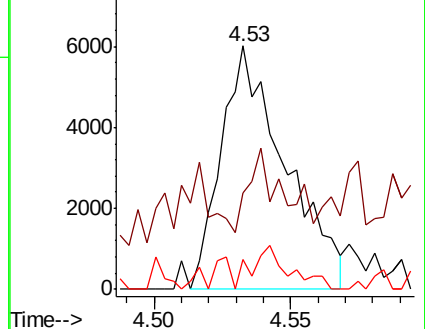
78 20.0 8.2 12.2#



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

Methyl tert-Butyl Ether

Concen: 0.614 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.01 min

Lab File: VL038995.D

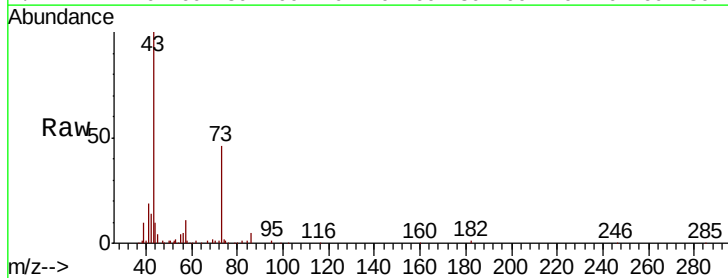
Acq: 9 May 2022 20:24

Tgt Ion: 73 Resp: 53787

Ion Ratio Lower Upper

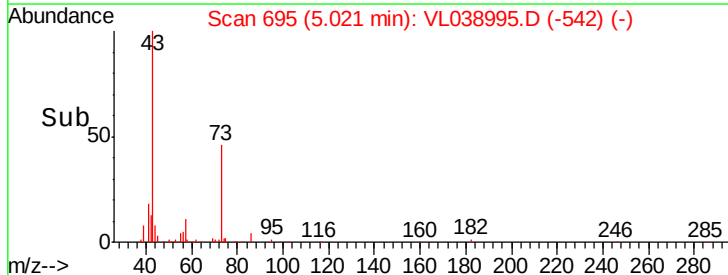
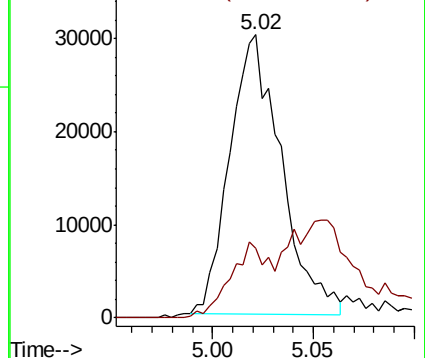
73 100

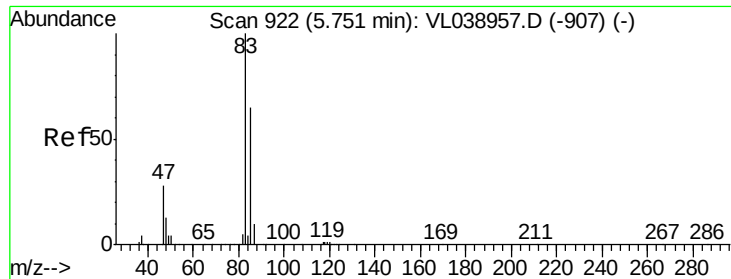
57 0.0 18.8 28.2#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 11.723 ppbv

RT: 5.73 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

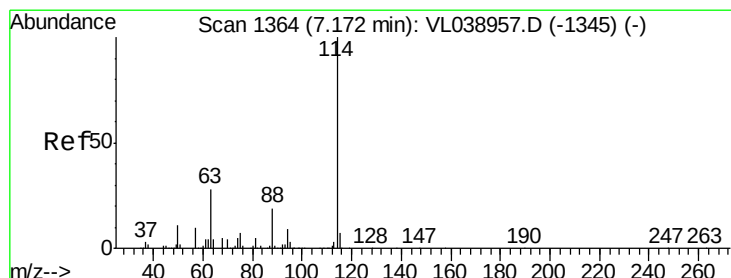
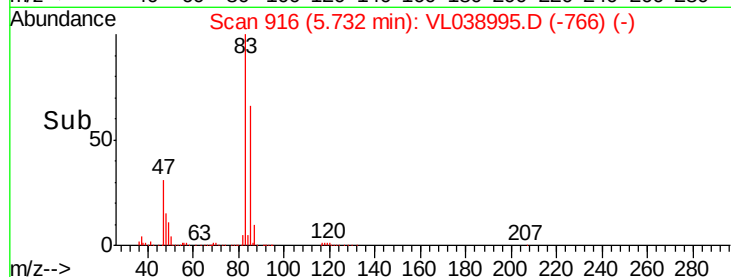
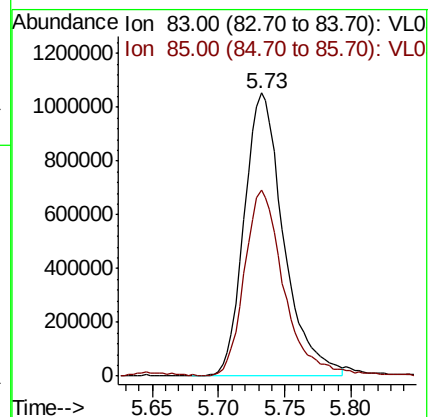
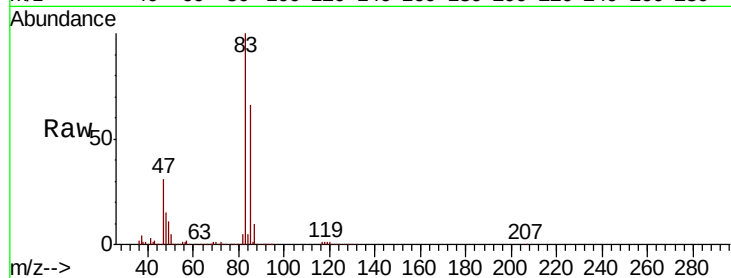
Acq: 9 May 2022 20:24 SV1

Tot Ion: 83 Resp: 2184676

Ion Ratio Lower Upper

83 100

85 65.5 51.8 77.6



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VL038995.D

Acq: 9 May 2022 20:24

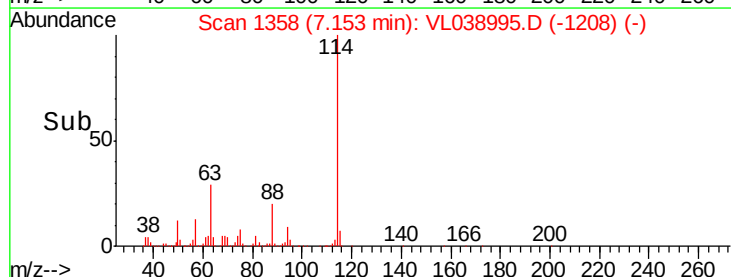
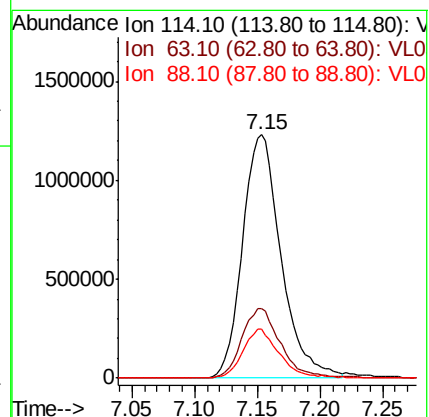
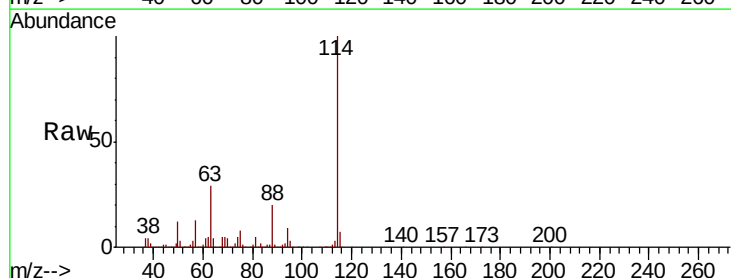
Tgt Ion: 114 Resp: 2630459

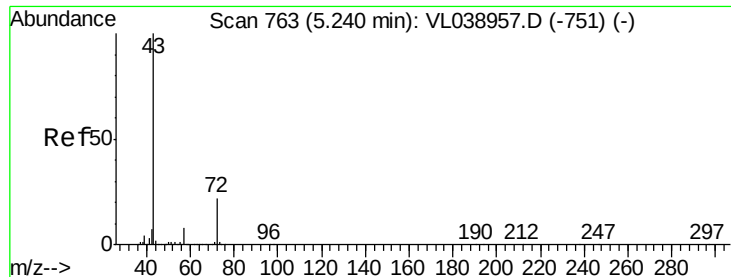
Ion Ratio Lower Upper

114 100

63 28.9 22.6 33.8

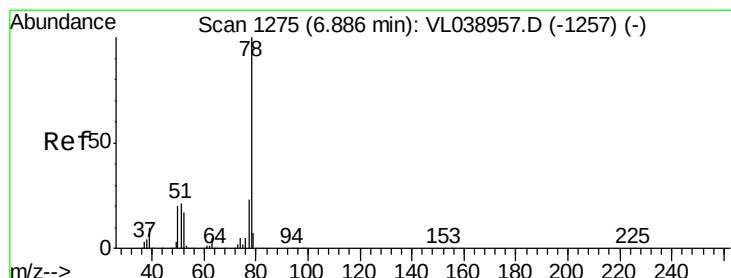
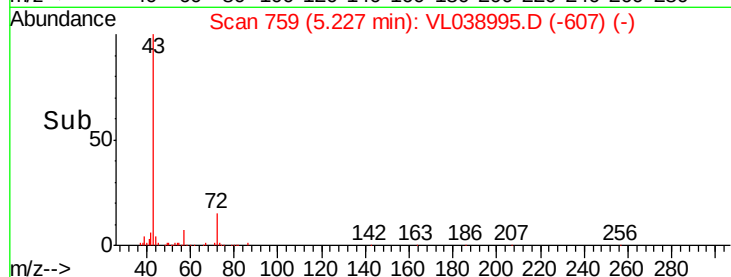
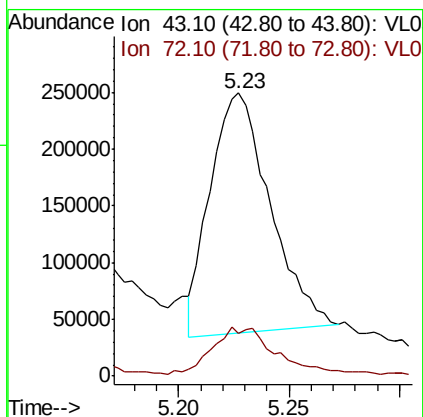
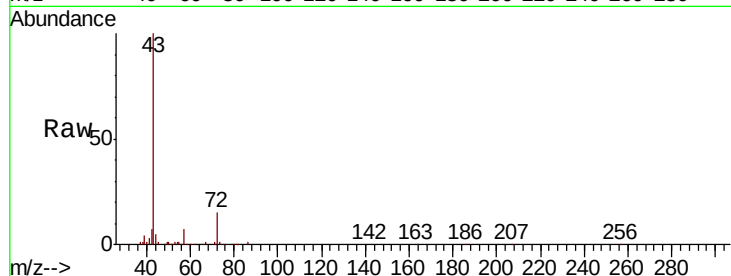
88 19.3 15.4 23.0





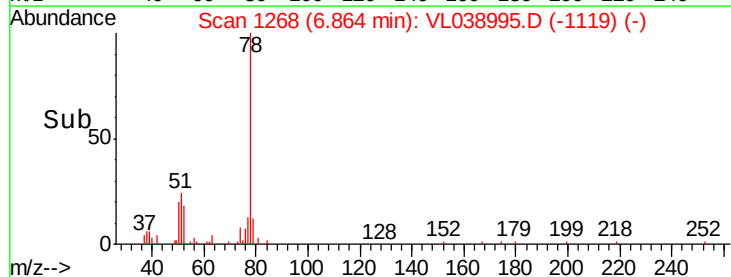
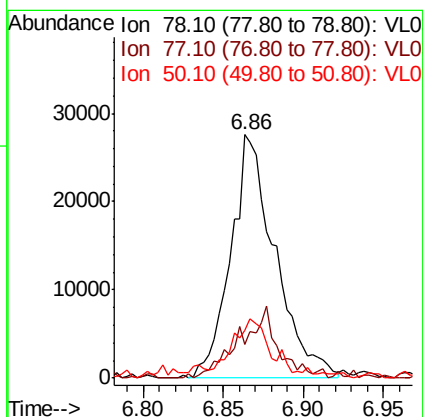
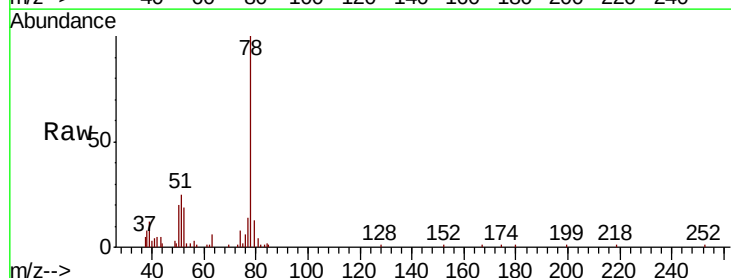
#34
 2-Butanone
 Concen: 2.951 ppbv
 RT: 5.23
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1
 Acq: 9 May 2022 20:24

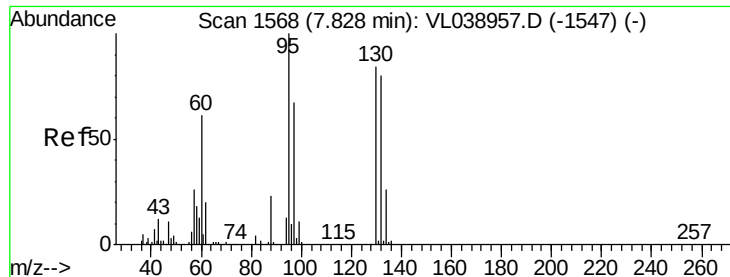
Tot Ion: 43 Resp: 395961
 Ion Ratio Lower Upper
 43 100
 72 23.2 17.8 26.6



#36
 Benzene
 Concen: 0.231 ppbv
 RT: 6.86 min Scan# 1268
 Delta R.T. -0.02 min
 Lab File: VL038995.D
 Acq: 9 May 2022 20:24

Tgt Ion: 78 Resp: 52044
 Ion Ratio Lower Upper
 78 100
 77 11.8 18.6 28.0#
 50 18.0 15.6 23.4





#38

Trichloroethene

Concen: 0.031 ppbv

RT: 7.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 May 2022 20:24

Tot Ion:130 Resp: 3056

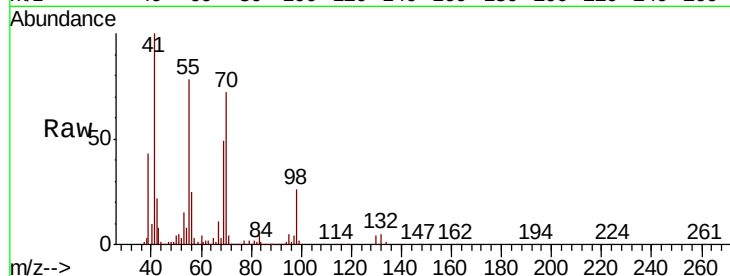
Ion Ratio Lower Upper

130 100

95 27.7 94.8 142.2#

132 47.2 75.8 113.8#

97 53.3 63.6 95.4#

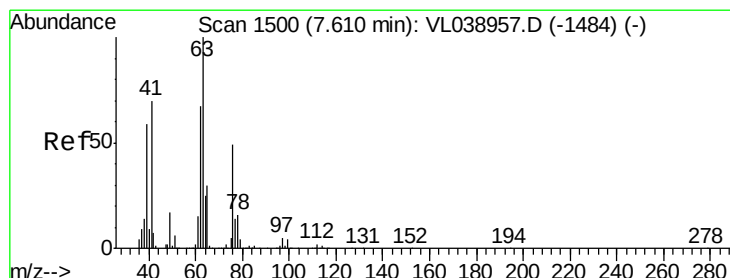
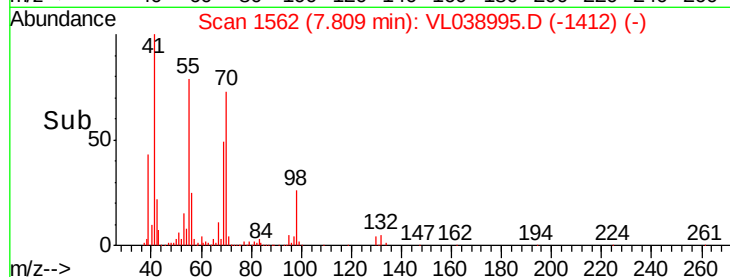
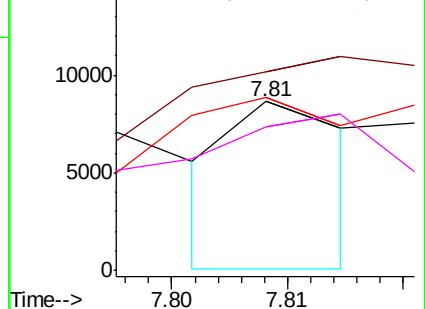


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 8.614 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.46 min

Lab File: VL038995.D

Acq: 9 May 2022 20:24

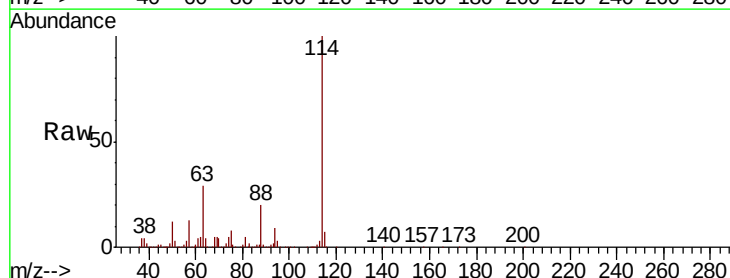
Tgt Ion: 63 Resp: 754474

Ion Ratio Lower Upper

63 100

41 0.0 55.9 83.9#

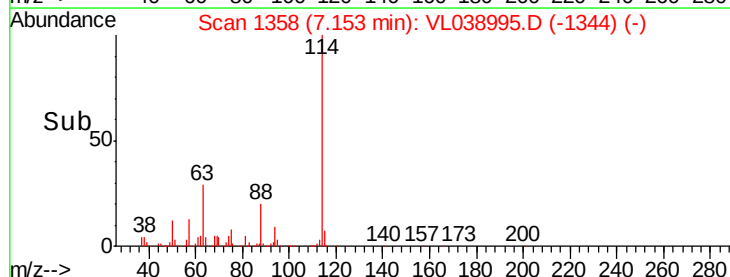
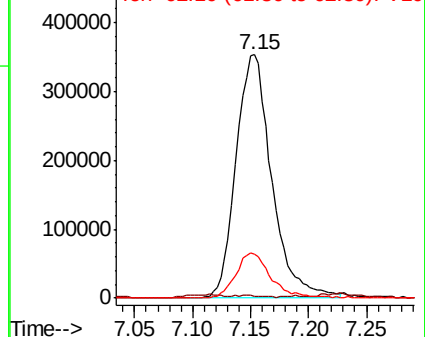
62 18.3 53.8 80.6#

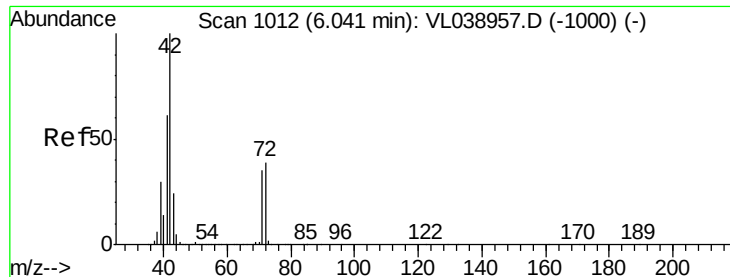


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 8.425 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 May 2022 20:24 SV1

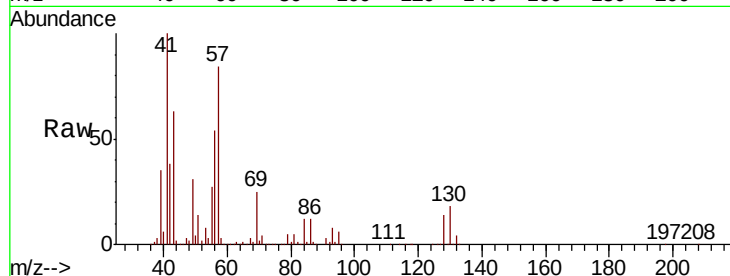
Tot Ion: 42 Resp: 759898

Ion Ratio Lower Upper

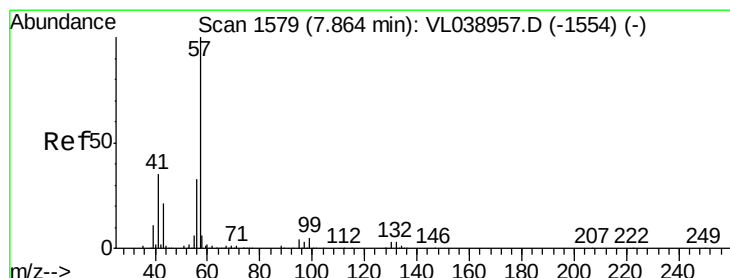
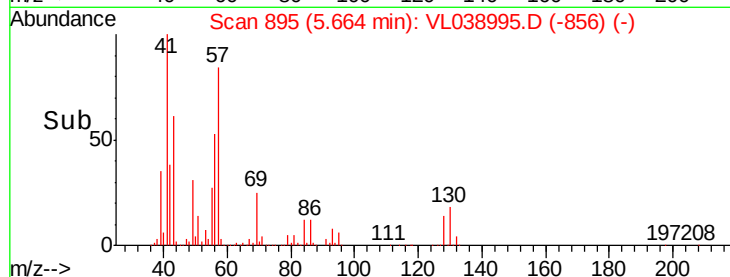
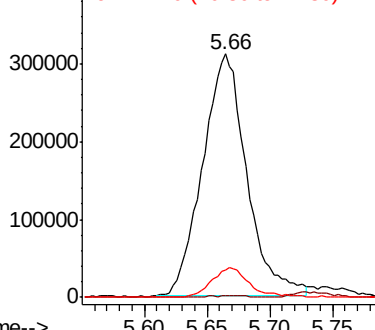
42 100

72 0.8 31.8 47.6#

71 10.6 30.6 45.8#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.046 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.02 min

Lab File: VL038995.D

Acq: 9 May 2022 20:24

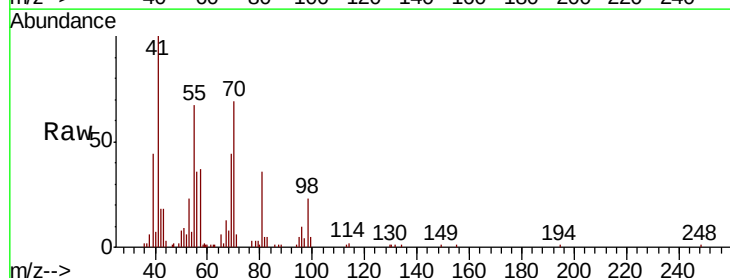
Tgt Ion: 57 Resp: 18229

Ion Ratio Lower Upper

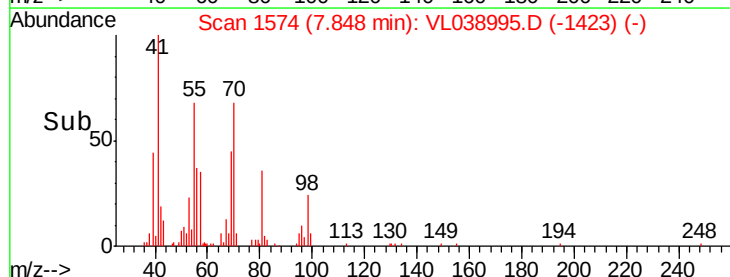
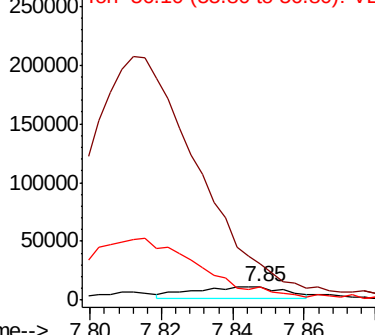
57 100

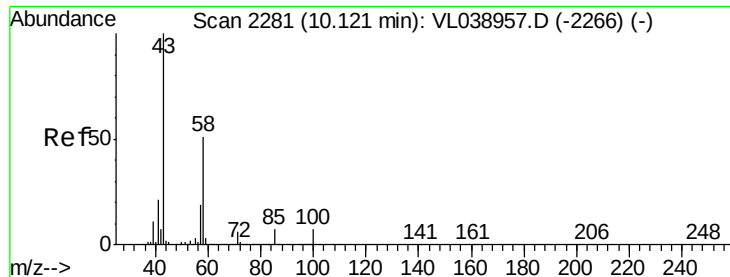
41 0.0 26.3 39.5#

56 0.0 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





#51

2-Hexanone

Concen: 2.609 ppbv

RT: 10.10

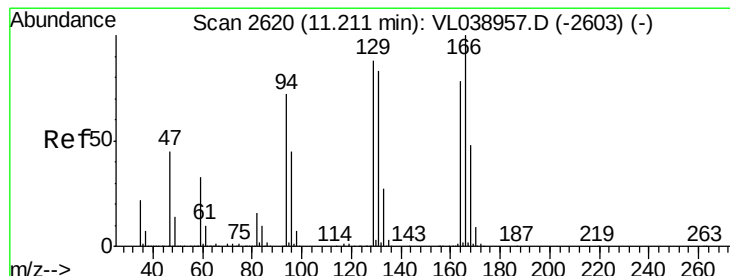
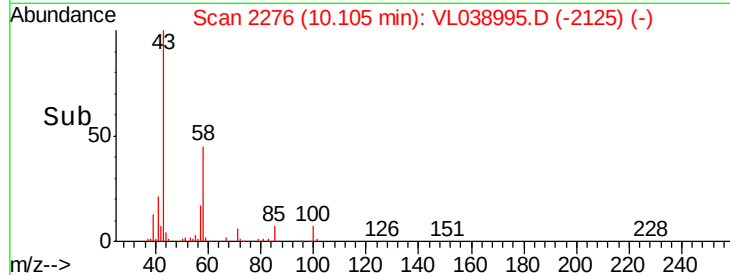
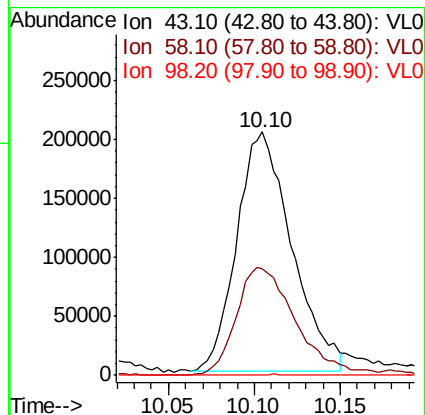
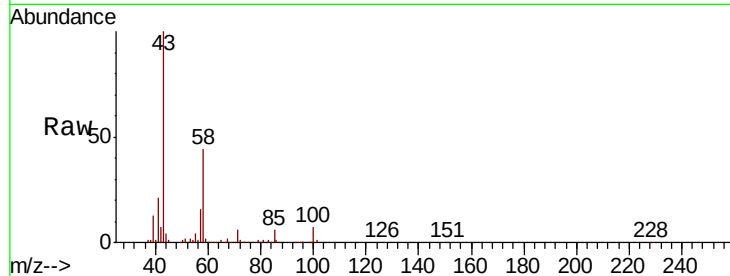
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 May 2022 20:24

Tot Ion: 43 Resp: 448140

Ion	Ratio	Lower	Upper
43	100		
58	50.3	39.3	58.9
98	0.3	0.2	0.2#



#52

Tetrachloroethene

Concen: 36.192 ppbv

RT: 11.20 min Scan# 2616

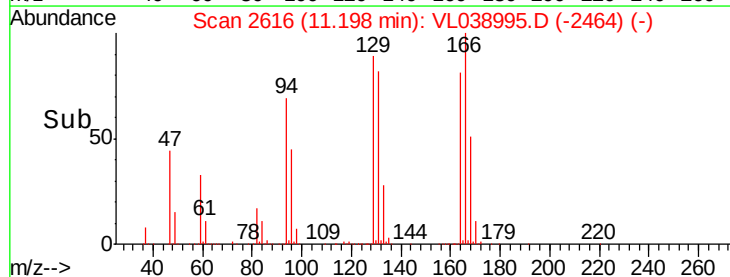
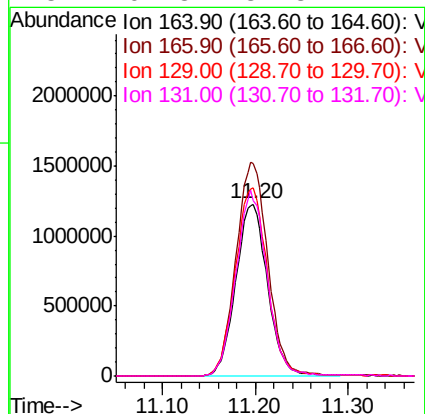
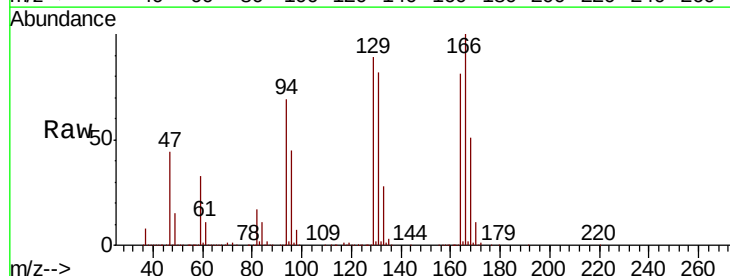
Delta R.T. -0.01 min

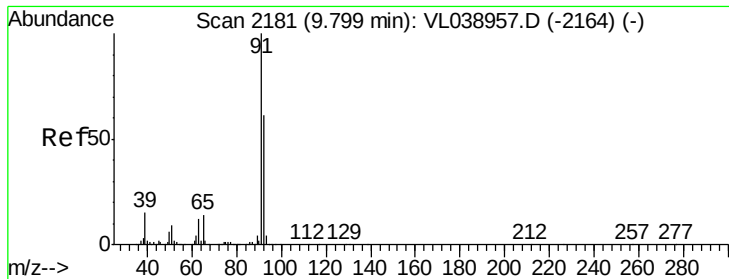
Lab File: VL038995.D

Acq: 9 May 2022 20:24

Tgt Ion: 164 Resp: 2911455

Ion	Ratio	Lower	Upper
164	100		
166	123.5	102.5	153.7
129	109.8	90.1	135.1
131	101.8	84.8	127.2





#53

Toluene

Concen: 0.323 ppbv

RT: 9.78 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

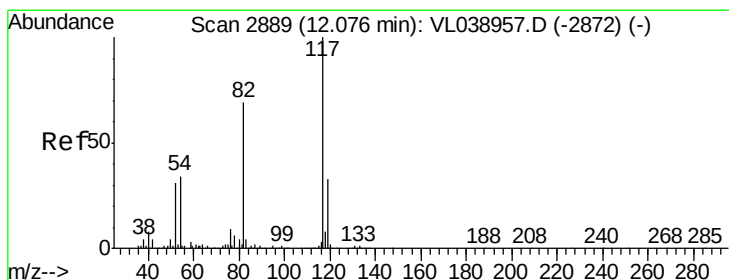
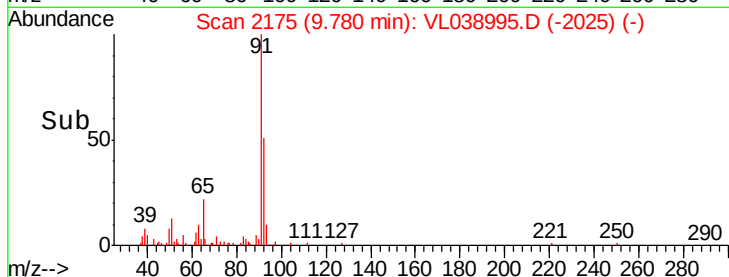
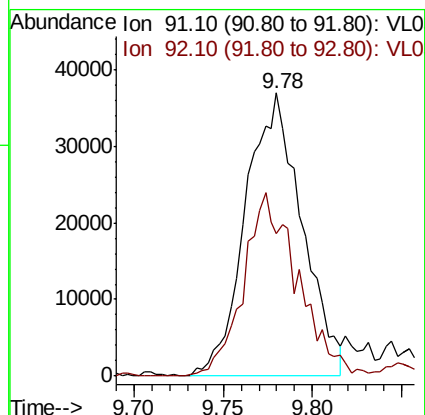
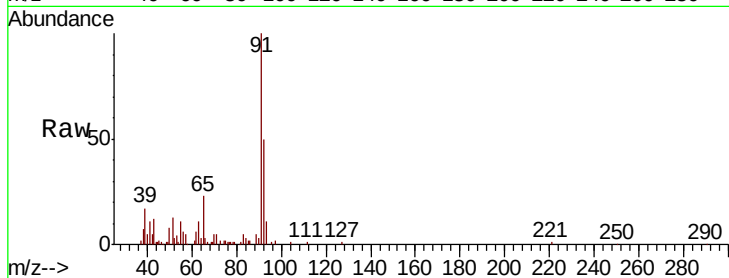
Acq: 9 May 2022 20:24

Tot Ion: 91 Resp: 81478

Ion Ratio Lower Upper

91 100

92 62.4 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.02 min

Lab File: VL038995.D

Acq: 9 May 2022 20:24

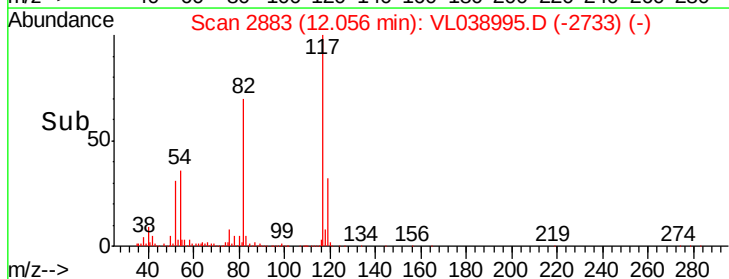
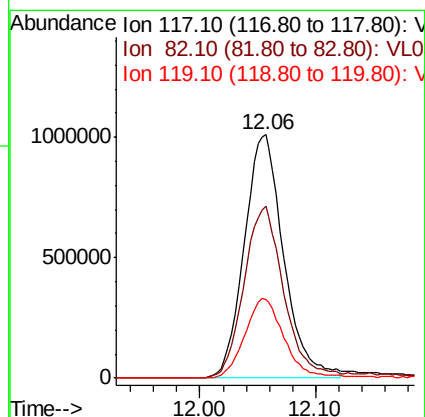
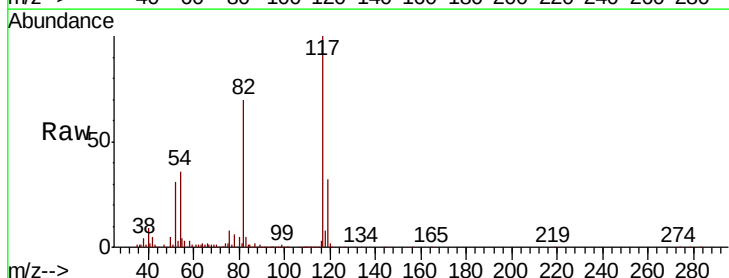
Tgt Ion: 117 Resp: 2386648

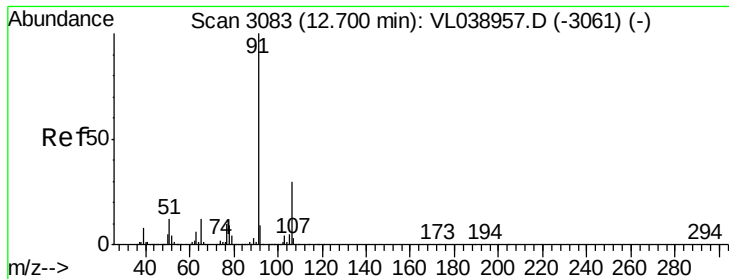
Ion Ratio Lower Upper

117 100

82 75.4 57.0 85.6

119 33.8 27.2 40.8





#58

Ethyl Benzene

Concen: 0.038 ppbv

RT: 12.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

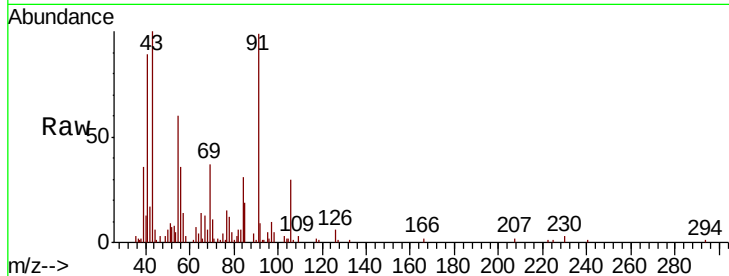
Acq: 9 May 2022 20:24

Tot Ion: 91 Resp: 13023

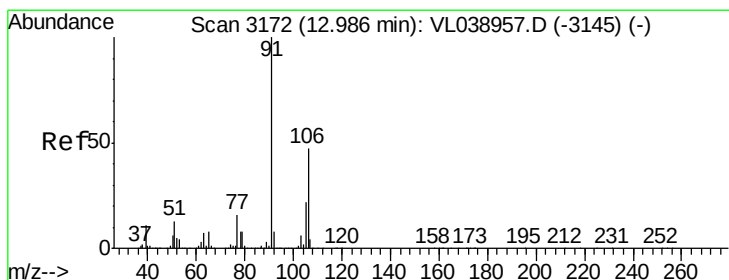
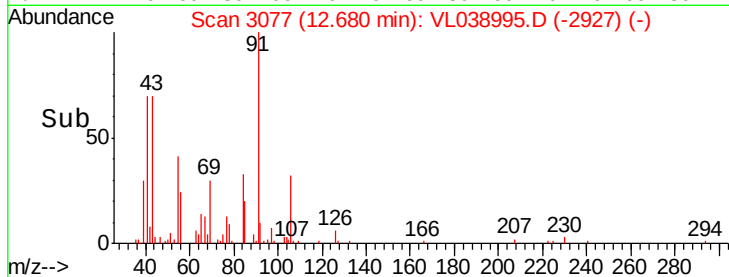
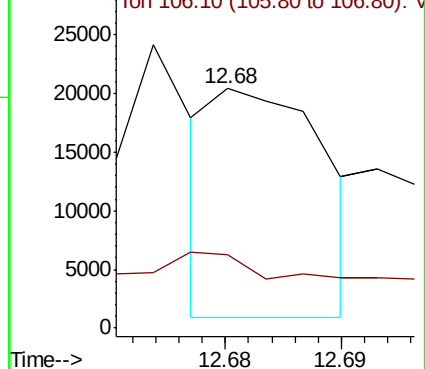
Ion Ratio Lower Upper

91 100

106 25.9 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0



#59

m/p-Xylene

Concen: 0.096 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.02 min

Lab File: VL038995.D

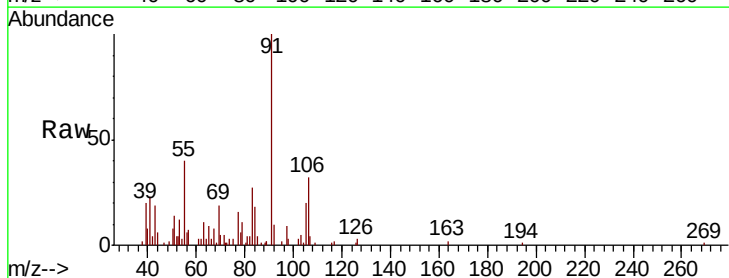
Acq: 9 May 2022 20:24

Tgt Ion: 91 Resp: 28056

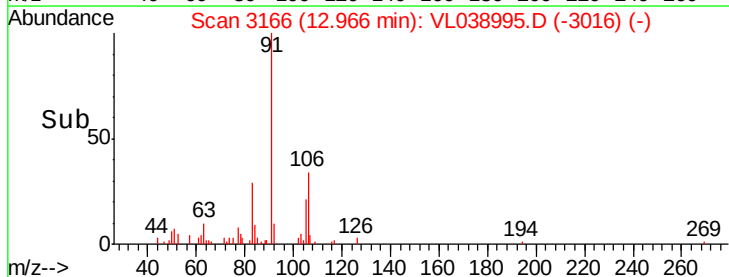
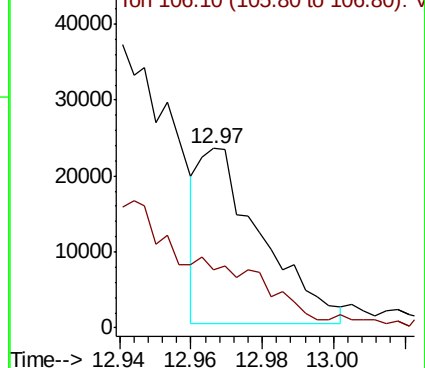
Ion Ratio Lower Upper

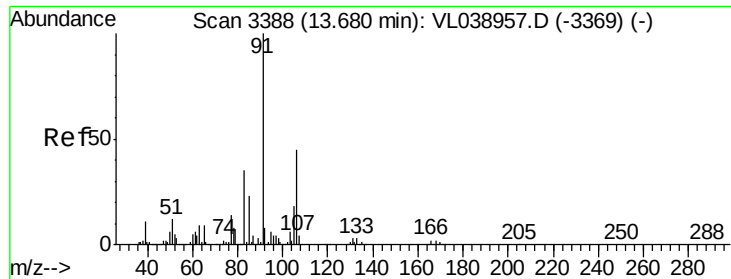
91 100

106 0.0 34.6 52.0#



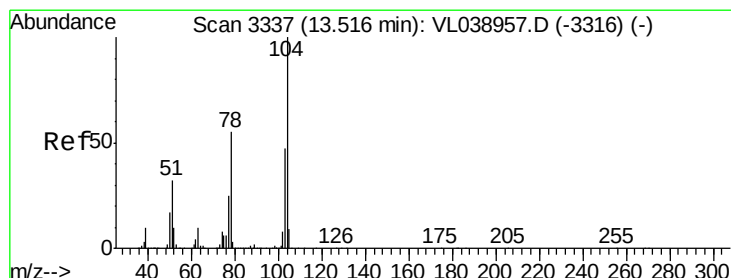
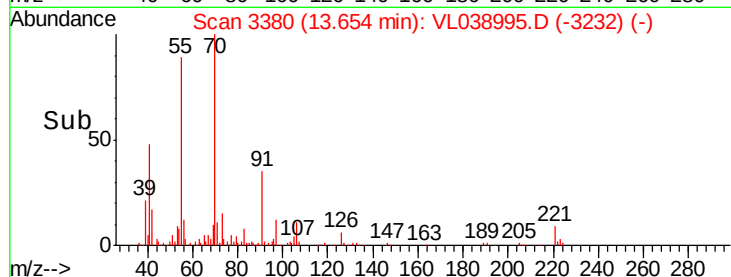
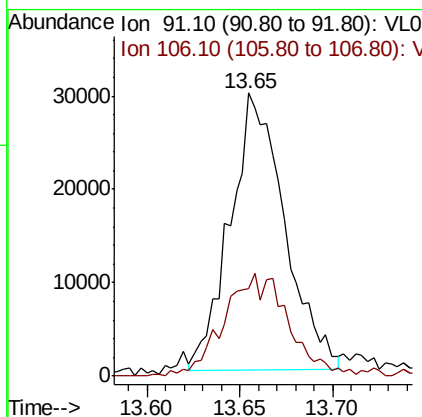
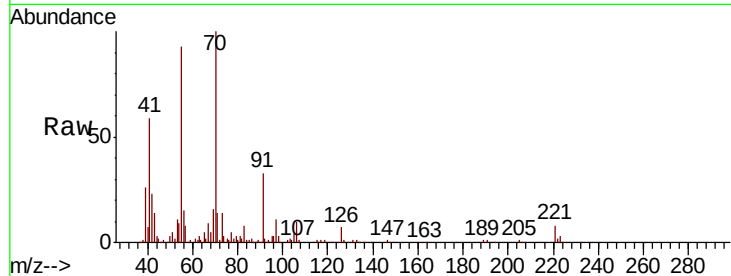
Abundance Ion 91.10 (90.80 to 91.80): VL0





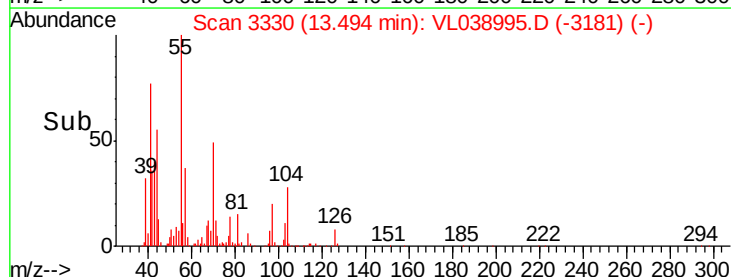
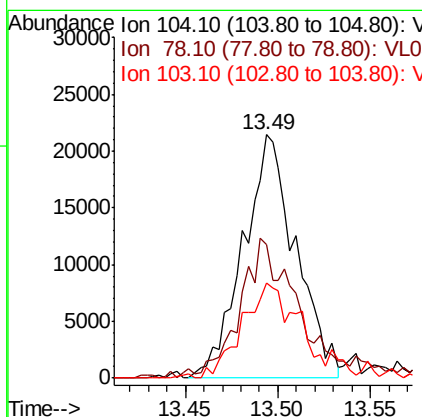
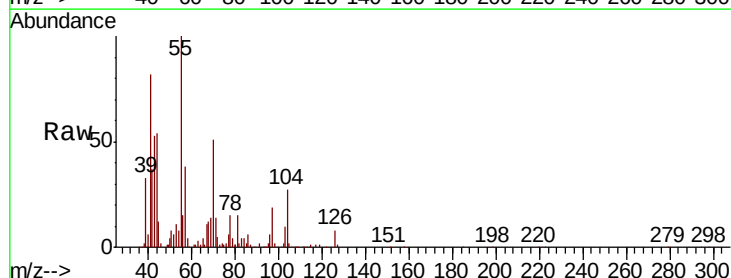
#60
o-Xylene
Concen: 0.219 ppbv
RT: 13.65
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV1
Acq: 9 May 2022 20:24

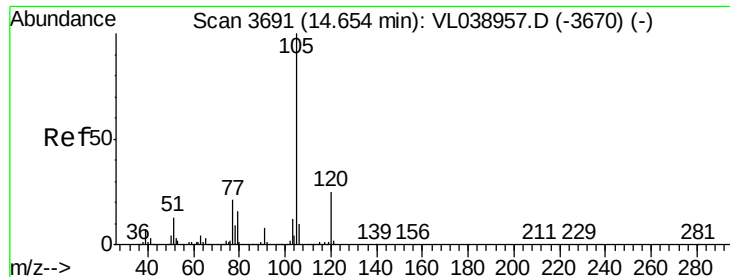
Tot Ion: 91 Resp: 60415
Ion Ratio Lower Upper
91 100
106 44.5 22.2 66.6



#61
Styrene
Concen: 0.288 ppbv
RT: 13.49 min Scan# 3330
Delta R.T. -0.02 min
Lab File: VL038995.D
Acq: 9 May 2022 20:24

Tgt Ion: 104 Resp: 42379
Ion Ratio Lower Upper
104 100
78 66.3 46.4 69.6
103 46.8 39.3 58.9





#62

Isopropylbenzene

Concen: 0.297 ppbv

RT: 14.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

SV1

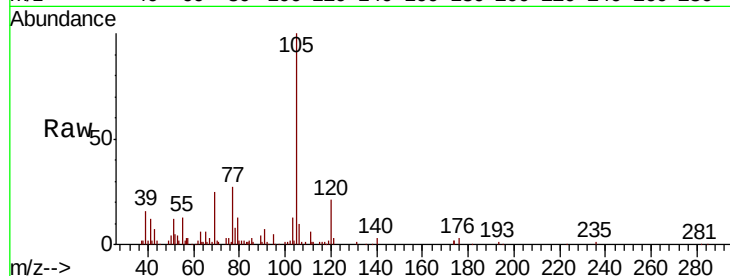
Acq: 9 May 2022 20:24

Tot Ion:105 Resp: 119662

Ion Ratio Lower Upper

105 100

120 26.2 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

60000

50000

40000

30000

20000

10000

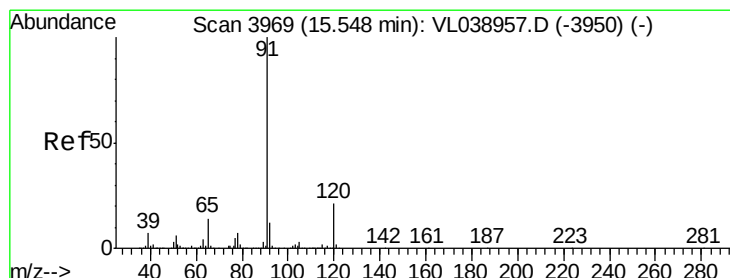
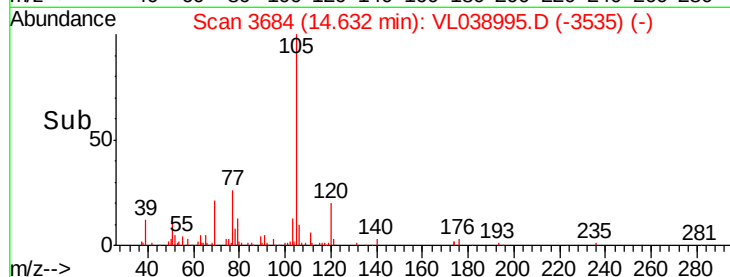
0

14.60

14.63

14.70

Time-->



#64

n-propylbenzene

Concen: 0.031 ppbv

RT: 15.73 min Scan# 4025

Delta R.T. 0.18 min

Lab File: VL038995.D

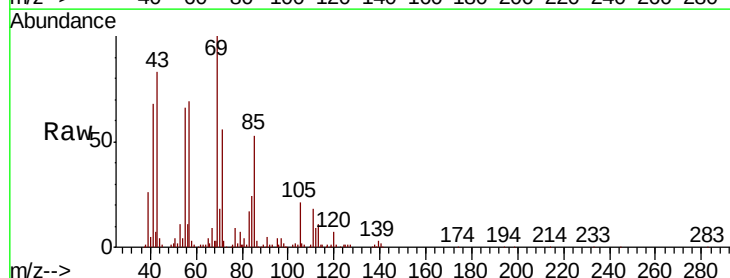
Acq: 9 May 2022 20:24

Tgt Ion:120 Resp: 3002

Ion Ratio Lower Upper

120 100

91 580.5 400.6 601.0



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

8000

6000

4000

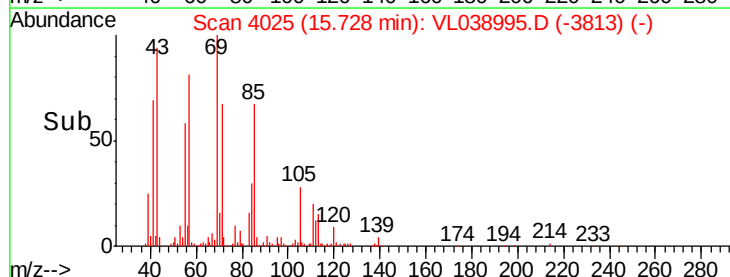
2000

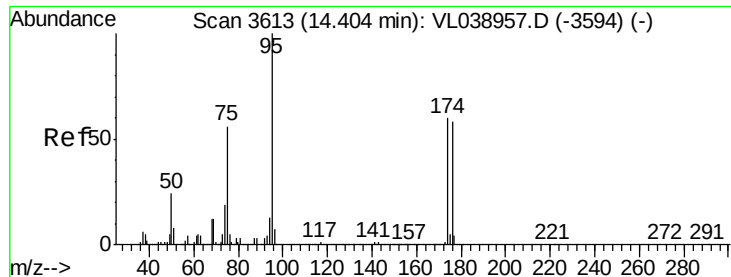
0

15.73

15.73

Time-->

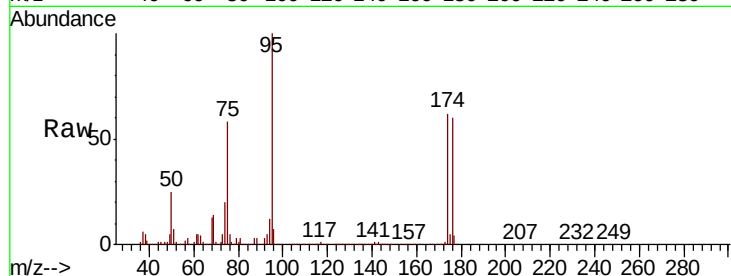




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.697 ppbv
 RT: 14.38 min
 Delta R.T.: 0.02 min
 Lab File: SV1
 Acq: 9 May 2022 20:24

Tot Ion: 95 Resp: 2021862

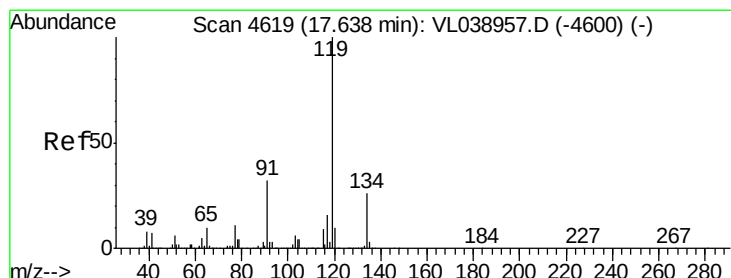
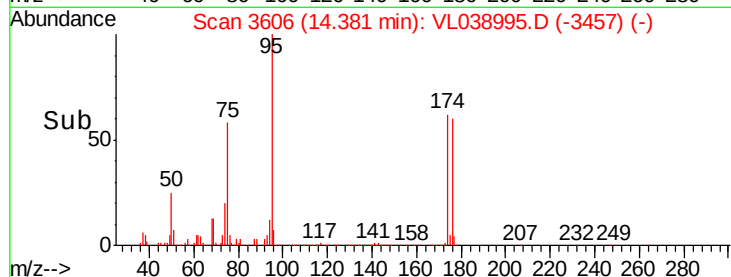
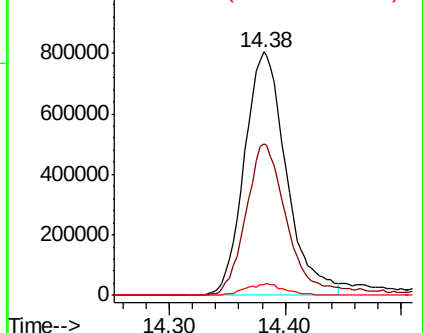
Ion	Ratio	Lower	Upper
95	100		
174	64.1	50.8	76.2
175	4.6	3.8	5.6



Abundance Ion 95.10 (94.80 to 95.80): VL038957.D (-3594) (-)

Ion 174.00 (173.70 to 174.70): VL038957.D (-3594) (-)

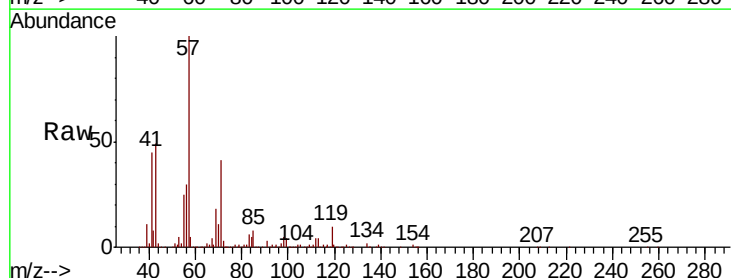
Ion 175.00 (174.70 to 175.70): VL038957.D (-3594) (-)



#69
 p-Isopropyltoluene
 Concen: 0.130 ppbv
 RT: 17.62 min Scan# 4612
 Delta R.T.: -0.02 min
 Lab File: VL038995.D
 Acq: 9 May 2022 20:24

Tgt Ion: 119 Resp: 53201

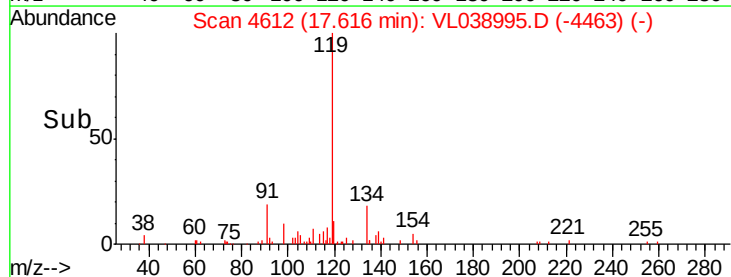
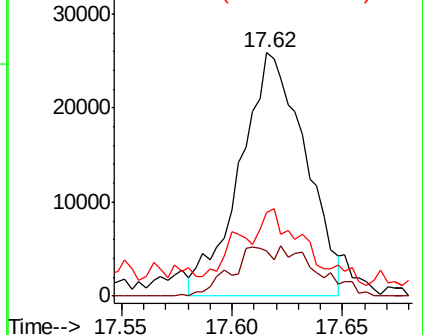
Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.0	30.0
91	30.0	24.8	37.2

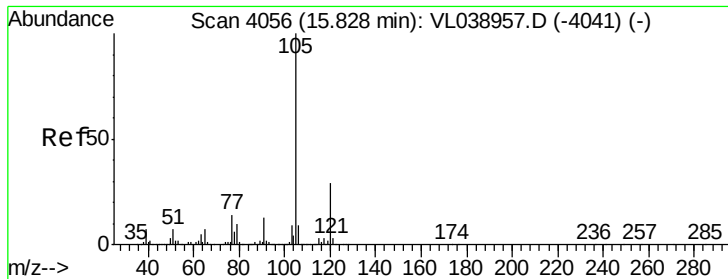


Abundance Ion 119.10 (118.80 to 119.80): VL038957.D (-4600) (-)

Ion 134.20 (133.90 to 134.90): VL038957.D (-4600) (-)

Ion 91.10 (90.80 to 91.80): VL038957.D (-4600) (-)





#72

4-Ethyltoluene

Concen: 0.107 ppbv

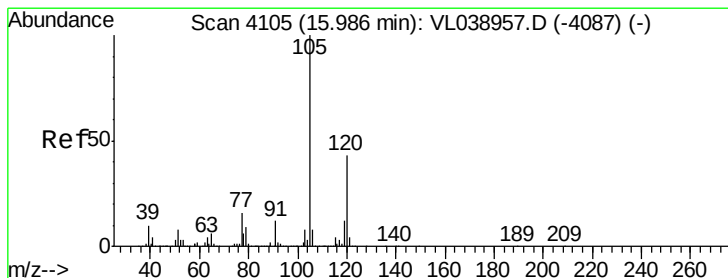
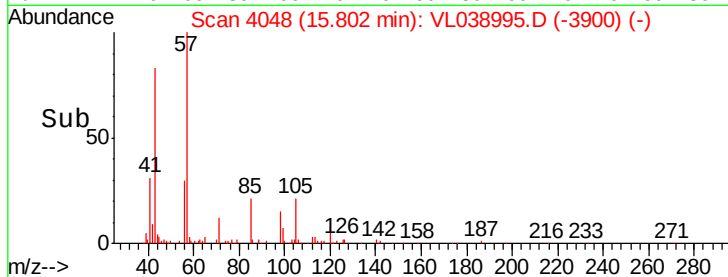
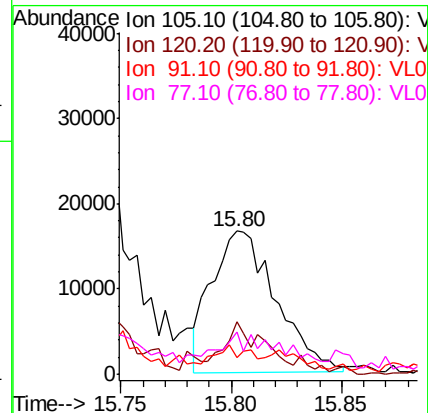
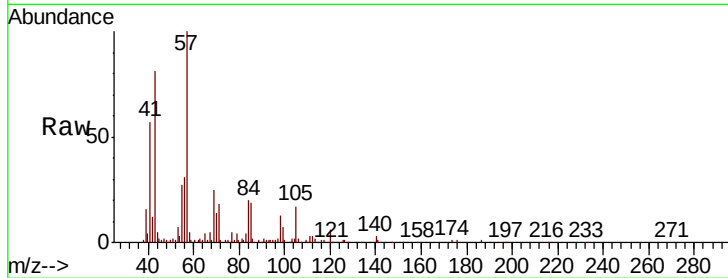
RT: 15.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 May 2022 20:24

Tot Ion:	105	Resp:	33623
Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.4	35.0
91	16.8	10.6	16.0#
77	32.7	12.5	18.7#



#73

1,3,5-Trimethylbenzene

Concen: 0.102 ppbv

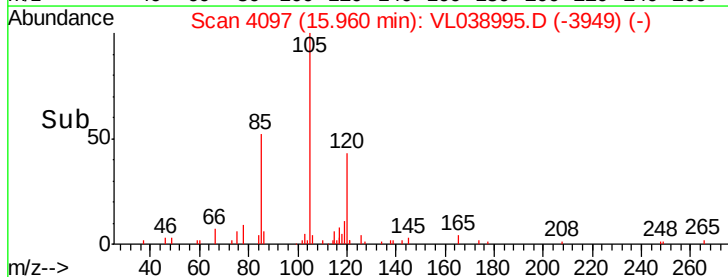
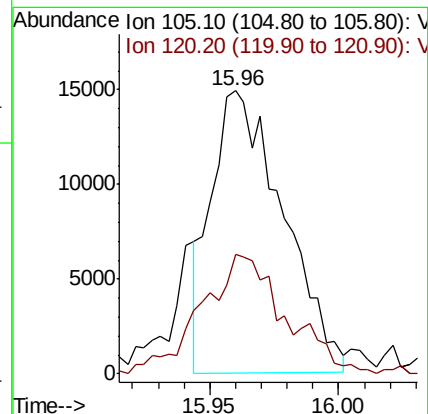
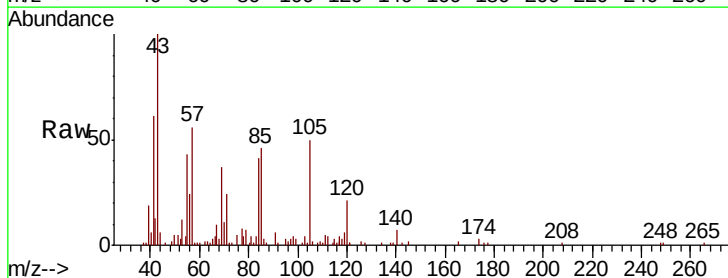
RT: 15.96 min Scan# 4097

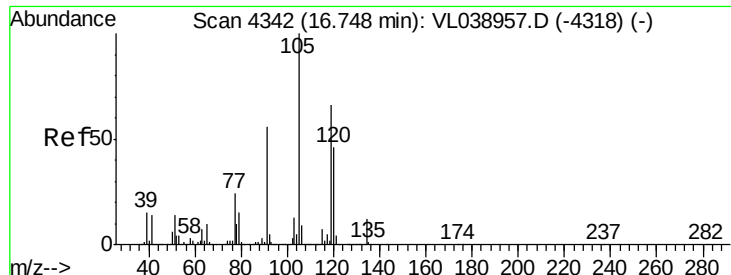
Delta R.T. -0.03 min

Lab File: VL038995.D

Acq: 9 May 2022 20:24

Tgt Ion:	105	Resp:	28796
Ion	Ratio	Lower	Upper
105	100		
120	43.4	34.4	51.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.260 ppbv
 RT: 16.73
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 SV1
 Acq: 9 May 2022 20.24

Tot Ion:	105	Resp:	80553
Ion	Ratio	Lower	Upper
105	100		
120	39.3	36.9	55.3
91	10.3	45.0	67.4#
77	11.0	19.2	28.8#

