

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042420.D
 Acq On : 28 Apr 2025 11:33
 Operator : SY/MD
 Sample : Q1665-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-DUP-1-3242025

Quant Time: Apr 29 01:34:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.777	49	141186	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	402115	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.868	117	352885	10.000	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	302328	10.426	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.300%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.495	85	10705	0.429	ppbv	100
3) Chlorodifluoromethane	1.463	51	93097	3.919	ppbv #	60
4) Chloromethane	1.528	50	5568	0.564	ppbv	99
6) Bromomethane	1.664	94	139	0.030	ppbv #	39
9) Propene	1.557	41	267054	24.687	ppbv	100
10) Heptane	4.965	43	10944	0.360	ppbv #	80
11) Trichlorofluoromethane	1.871	101	4925	0.208	ppbv	88
13) Ethanol	1.719	45	472110	274.580	ppbv	77
15) Acetone	1.832	43	502160	21.727	ppbv #	82
16) 1,3-Butadiene	1.596	39	7088	0.641	ppbv #	43
17) tert-Butyl alcohol	2.039	59	85888	2.999	ppbv	100
19) Isopropyl Alcohol	1.881	45	428440	33.369	ppbv #	66
20) Methylene Chloride	2.055	84	8914	0.985	ppbv	95
21) Allyl Chloride	2.036	41	21270	1.333	ppbv #	63
23) Vinyl Acetate	2.463	43	27871	2.979	ppbv #	57
25) Ethyl Acetate	2.819	43	50759	0.891	ppbv #	80
26) Hexane	2.816	57	53184	2.306	ppbv #	41
27) Carbon Disulfide	2.149	76	1195	0.048	ppbv #	40
28) Methyl tert-Butyl Ether	2.434	73	916	0.061	ppbv #	1
30) Cyclohexane	3.842	84	4557	0.244	ppbv #	88
34) 2-Butanone	2.554	43	26974	0.848	ppbv	98
36) Benzene	3.641	78	11344	0.262	ppbv	95
37) 1,2-Dichloroethane	3.208	62	12506	0.480	ppbv	98
39) 1,2-Dichloropropane	3.946	63	109025	6.746	ppbv #	24
41) Tetrahydrofuran	3.059	42	2829	0.153	ppbv #	67
44) 2,2,4-Trimethylpentane	4.625	57	47245	0.631	ppbv #	85
50) 4-Methyl-2-Pentanone	5.748	43	18997	0.359	ppbv	100
53) Toluene	6.920	91	226903	4.360	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.927	131	786	0.037	ppbv #	8
58) Ethyl Benzene	9.344	91	36433	0.521	ppbv	97
59) m/p-Xylene	9.542	91	13197	0.234	ppbv #	32
60) o-Xylene	9.956	91	28805	0.508	ppbv	99
61) Styrene	9.859	104	11652	0.430	ppbv	93
62) Isopropylbenzene	10.532	105	6243	0.075	ppbv	95
64) n-propylbenzene	10.979	120	2601	0.124	ppbv	72
65) tert-Butylbenzene	11.526	119	3906	0.051	ppbv #	56
67) sec-Butylbenzene	11.772	105	9253	0.087	ppbv #	1
69) p-Isopropyltoluene	11.917	119	5675	0.061	ppbv #	86
71) 2-Chlorotoluene	10.895	91	2387	0.037	ppbv	94
72) 4-Ethyltoluene	11.118	105	9487	0.137	ppbv #	64
73) 1,3,5-Trimethylbenzene	11.196	105	9349	0.153	ppbv #	77
74) 1,2,4-Trimethylbenzene	11.529	105	32107	0.449	ppbv #	65
79) Naphthalene	13.507	128	5874	0.069	ppbv	97

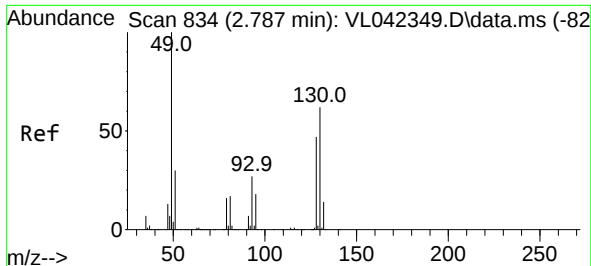
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042420.D
Acq On : 28 Apr 2025 11:33
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Quant Time: Apr 29 01:34:21 2025
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

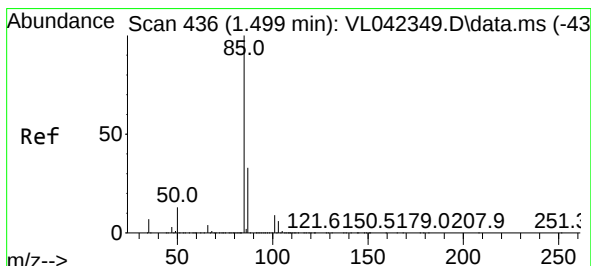
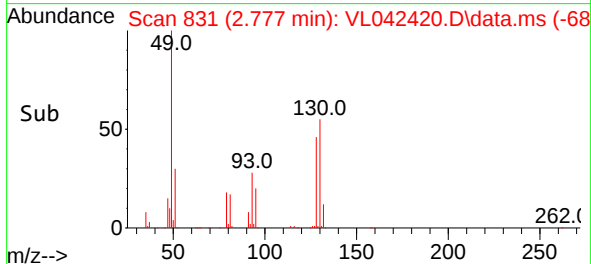
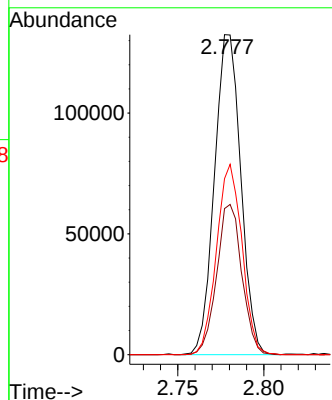
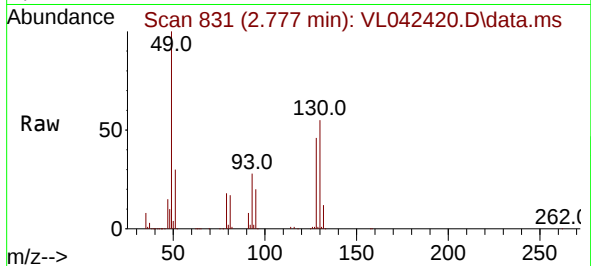
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

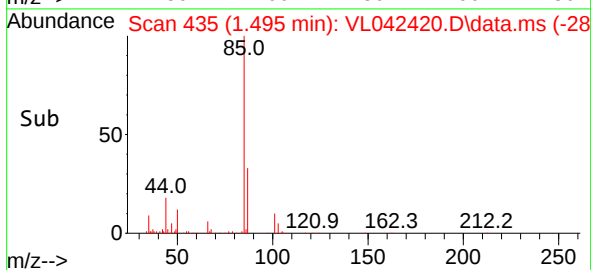
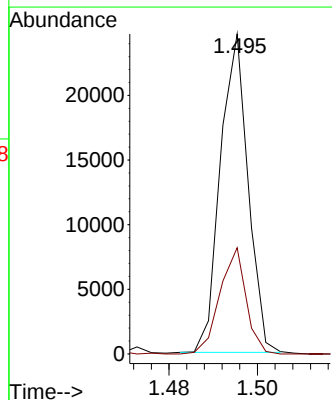
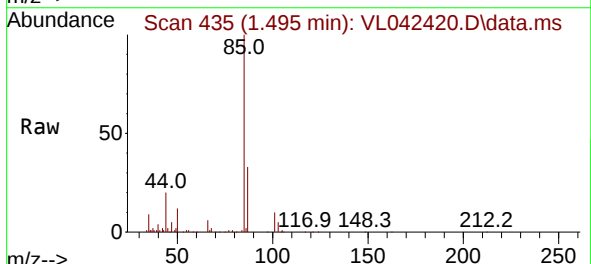
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MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

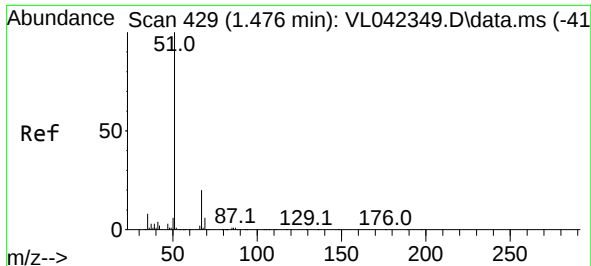
Tgt Ion: 49 Resp: 141186
Ion Ratio Lower Upper
49 100
128 44.9 22.8 68.4
130 57.5 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.429 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion: 85 Resp: 10705
Ion Ratio Lower Upper
85 100
87 33.4 26.6 39.8

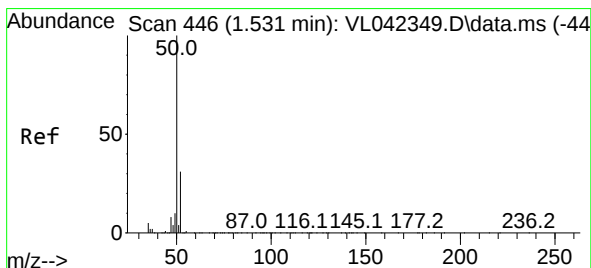
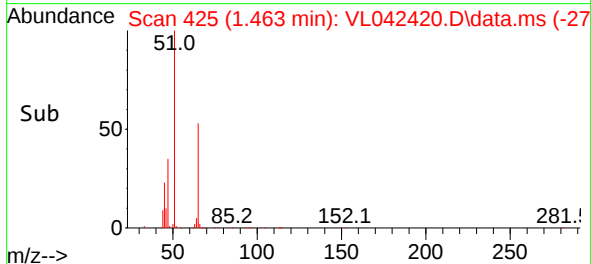
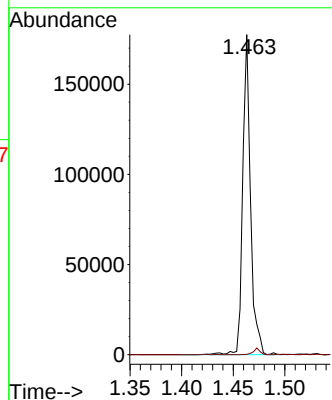
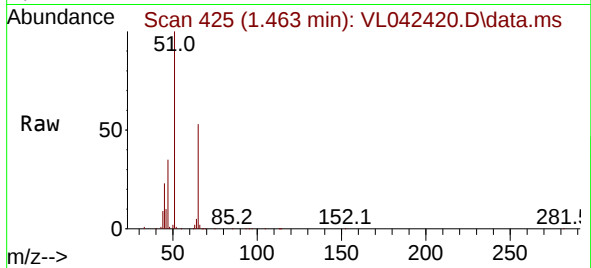




#3
Chlorodifluoromethane
Concen: 3.919 ppbv
RT: 1.463 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

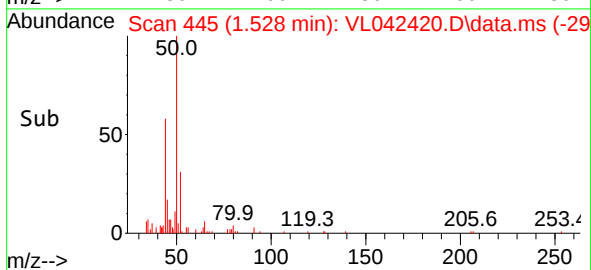
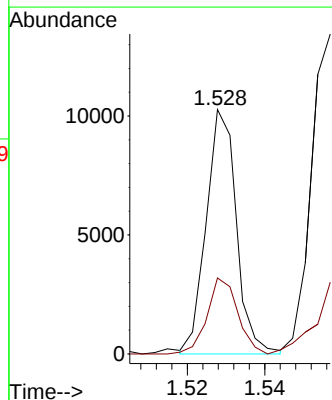
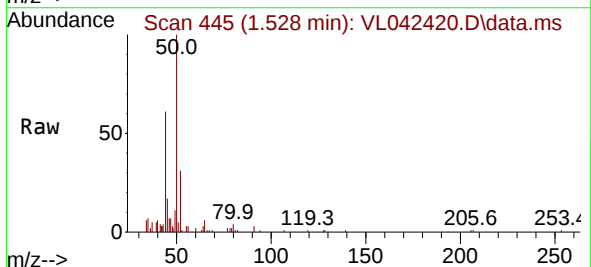
Instrument :
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ClientSampleId :
IA-DUP-1-3242025

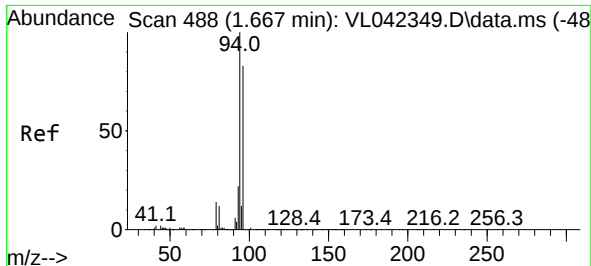
Tgt Ion: 51 Resp: 93097
Ion Ratio Lower Upper
51 100
67 1.9 16.2 24.4#



#4
Chloromethane
Concen: 0.564 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.003 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion: 50 Resp: 5568
Ion Ratio Lower Upper
50 100
52 30.2 24.7 37.1

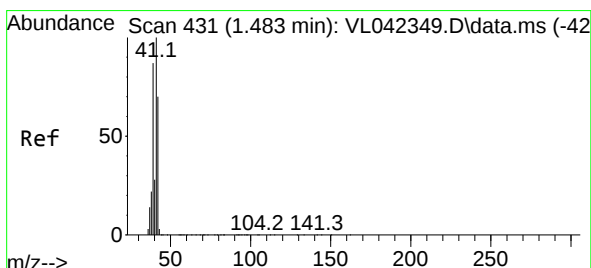
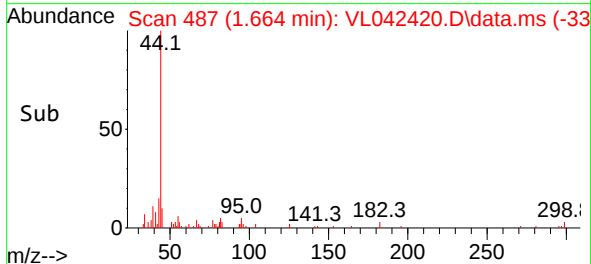
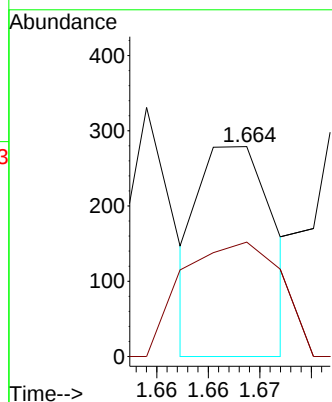
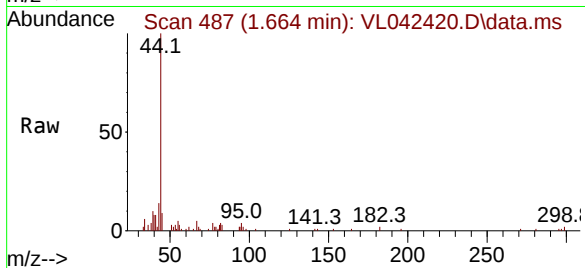




#6
Bromomethane
Concen: 0.030 ppbv
RT: 1.664 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

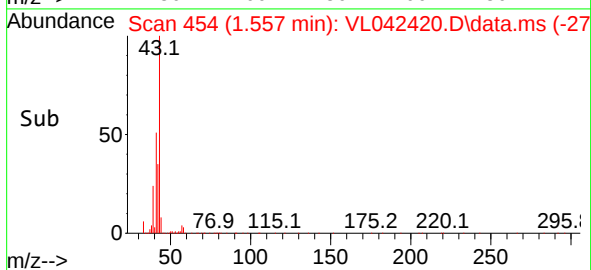
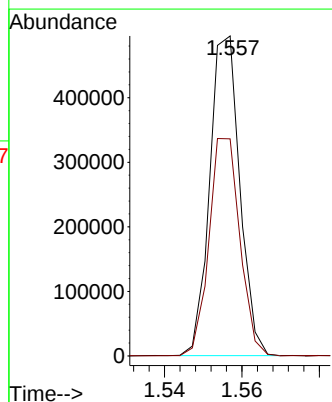
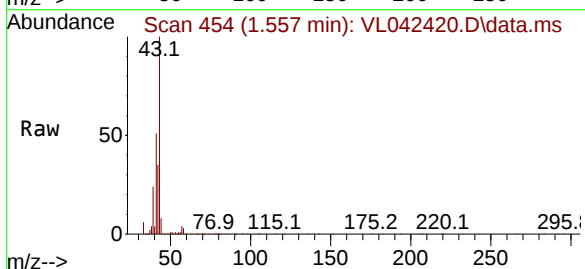
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ClientSampleId :
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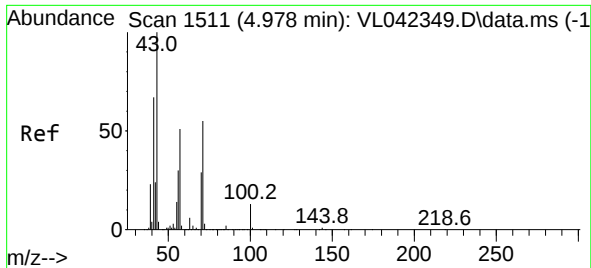
Tgt Ion: 94 Resp: 139
Ion Ratio Lower Upper
94 100
96 28.0 66.2 99.2#



#9
Propene
Concen: 24.687 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.074 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion: 41 Resp: 267054
Ion Ratio Lower Upper
41 100
42 70.1 56.2 84.4

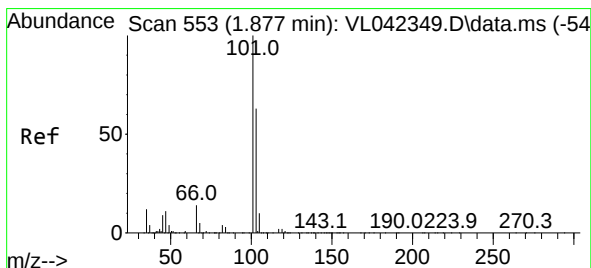
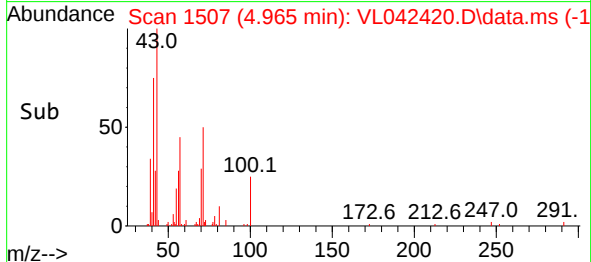
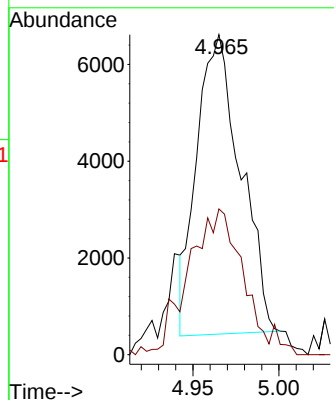
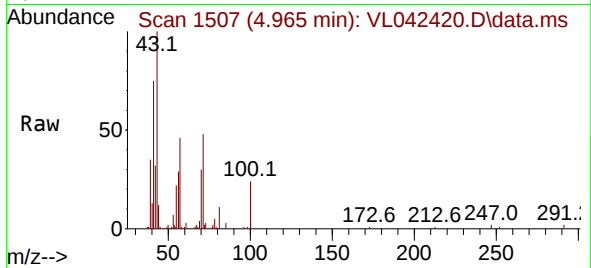




#10
Heptane
Concen: 0.360 ppbv
RT: 4.965 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

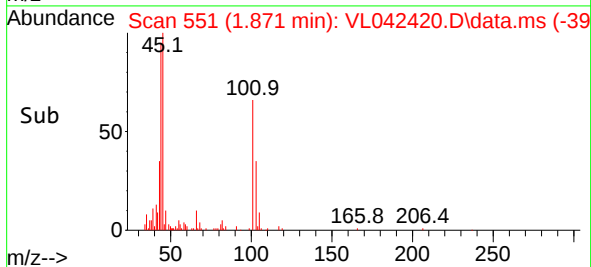
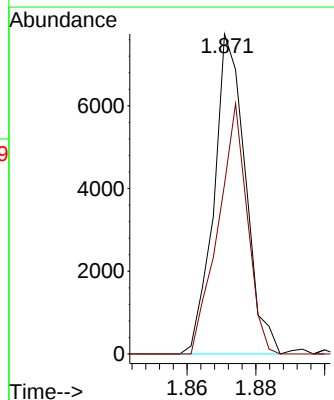
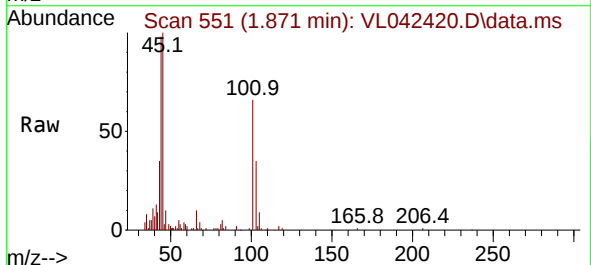
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

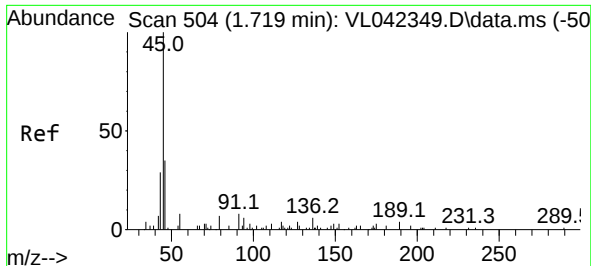
Tgt Ion: 43 Resp: 10944
Ion Ratio Lower Upper
43 100
57 63.6 39.9 59.9#



#11
Trichlorofluoromethane
Concen: 0.208 ppbv
RT: 1.871 min Scan# 551
Delta R.T. -0.007 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion:101 Resp: 4925
Ion Ratio Lower Upper
101 100
103 53.0 50.1 75.1

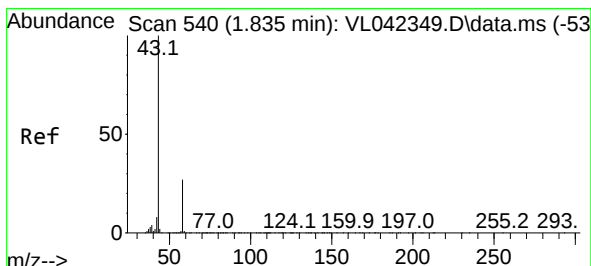
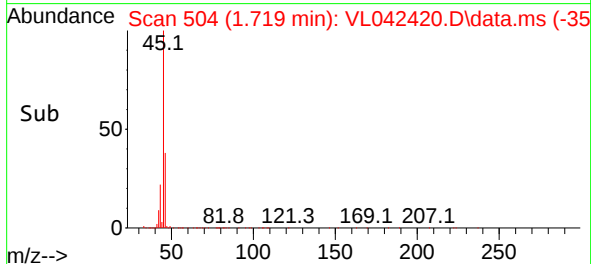
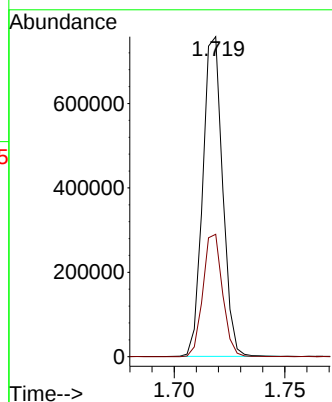
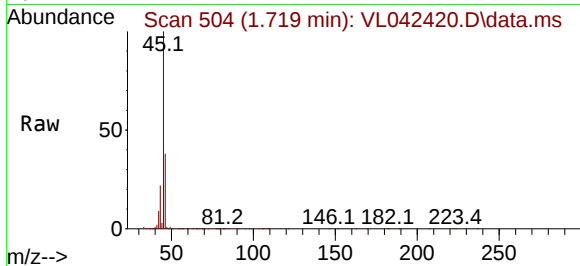




#13
Ethanol
Concen: 274.580 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

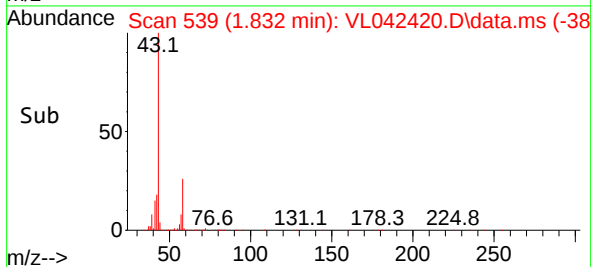
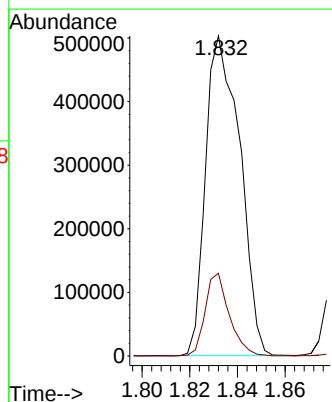
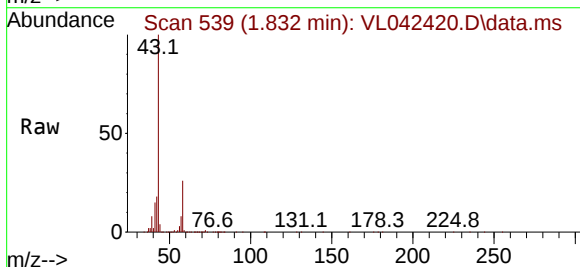
Instrument :
MSVOA_1
ClientSampleId :
IA-DUP-1-3242025

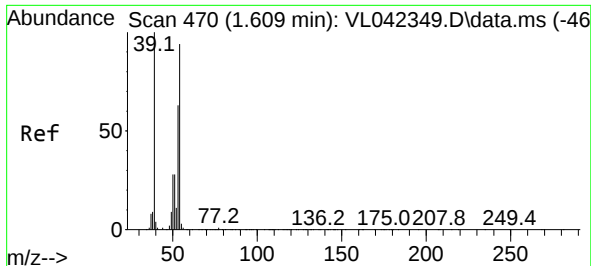
Tgt Ion: 45 Resp: 472110
Ion Ratio Lower Upper
45 100
46 38.1 21.9 87.7



#15
Acetone
Concen: 21.727 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion: 43 Resp: 502160
Ion Ratio Lower Upper
43 100
58 18.3 22.4 33.6#





#16

1,3-Butadiene

Concen: 0.641 ppbv

RT: 1.596 min Scan# 4

Delta R.T. -0.013 min

Lab File: VL042420.D

Acq: 28 Apr 2025 11:33

Instrument :

MSVOA_L

ClientSampleId :

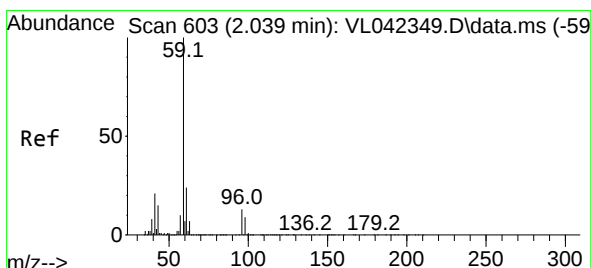
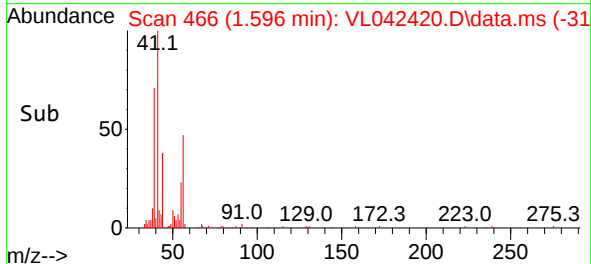
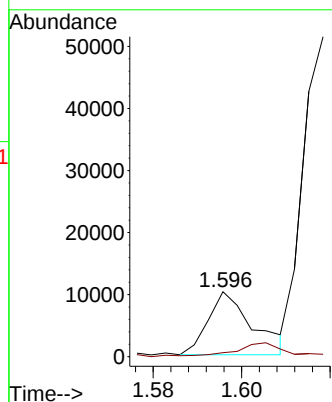
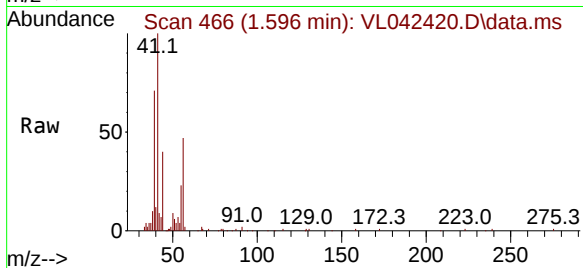
IA-DUP-1-3242025

Tgt Ion: 39 Resp: 7088

Ion Ratio Lower Upper

39 100

54 30.3 64.9 97.3#



#17

tert-Butyl alcohol

Concen: 2.999 ppbv

RT: 2.039 min Scan# 603

Delta R.T. -0.000 min

Lab File: VL042420.D

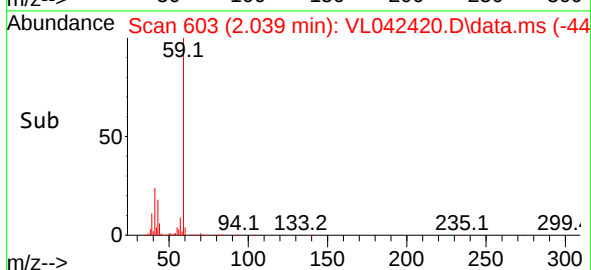
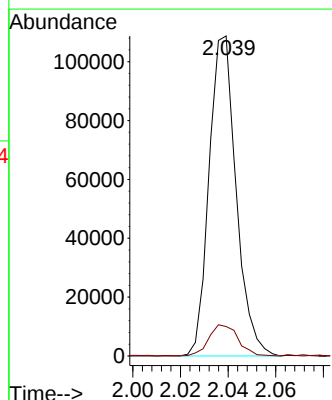
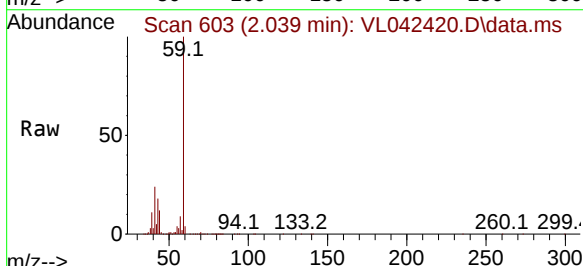
Acq: 28 Apr 2025 11:33

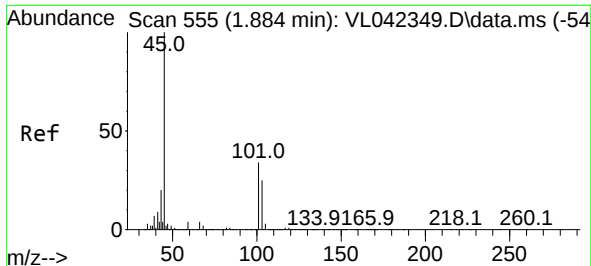
Tgt Ion: 59 Resp: 85888

Ion Ratio Lower Upper

59 100

57 10.9 8.7 13.1

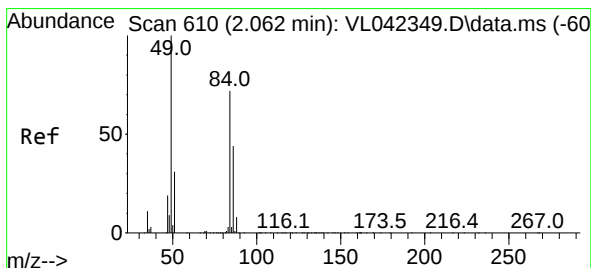
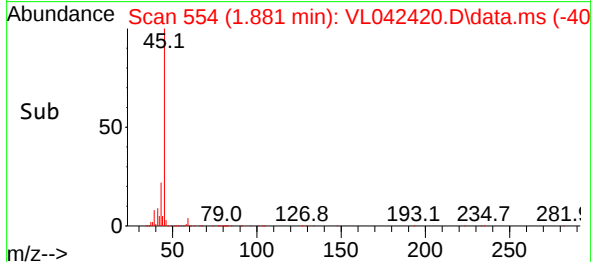
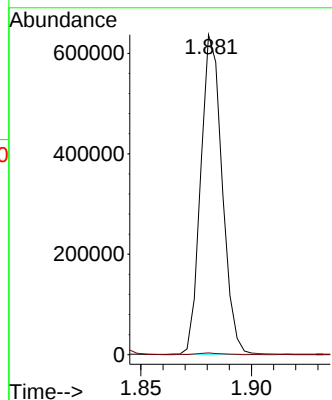
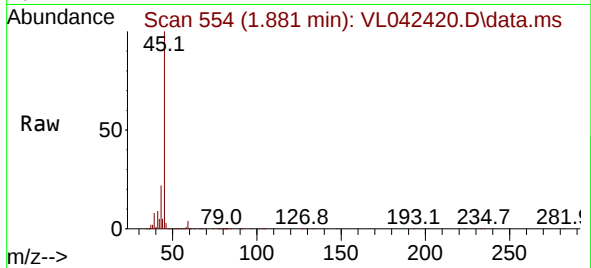




#19
Isopropyl Alcohol
Concen: 33.369 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

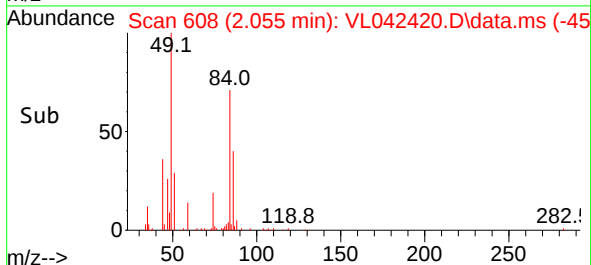
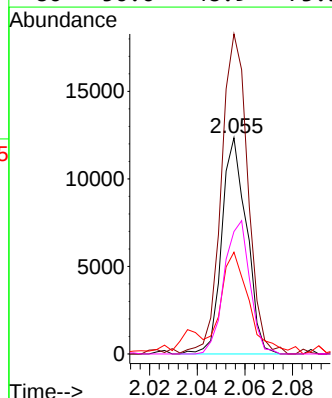
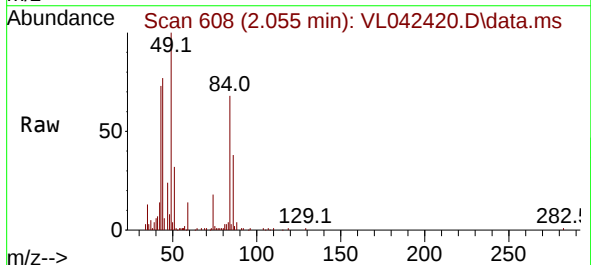
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

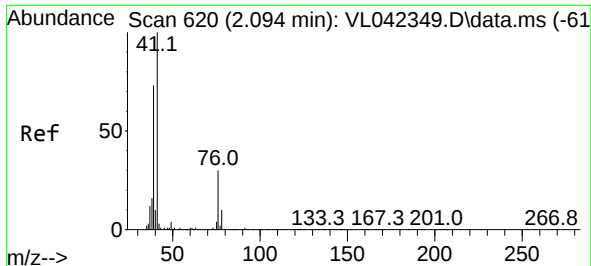
Tgt Ion: 45 Resp: 428440
Ion Ratio Lower Upper
45 100
58 21.4 34.5 51.7#



#20
Methylene Chloride
Concen: 0.985 ppbv
RT: 2.055 min Scan# 608
Delta R.T. -0.007 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion: 84 Resp: 8914
Ion Ratio Lower Upper
84 100
49 147.6 111.6 167.4
51 44.3 35.1 52.7
86 56.6 48.9 73.3

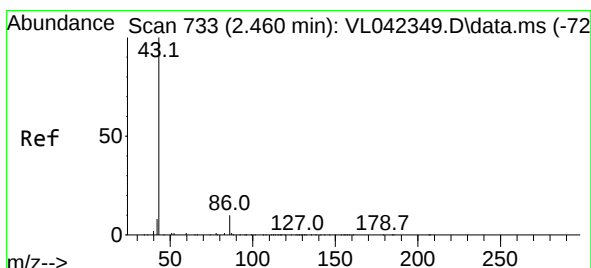
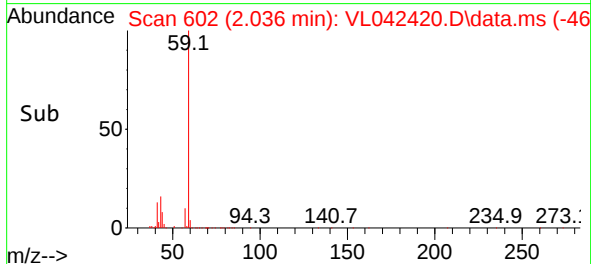
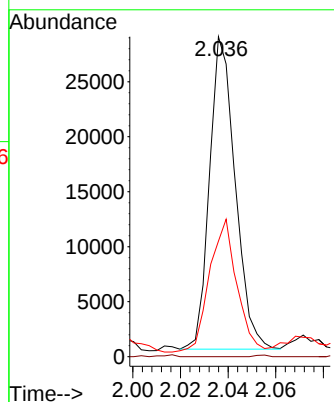
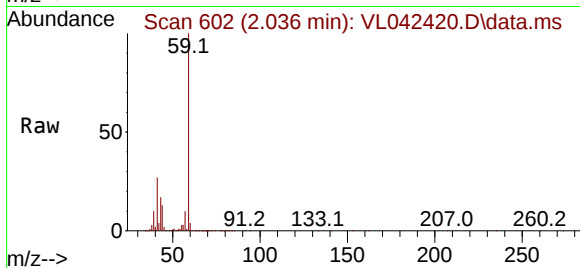




#21
 Allyl Chloride
 Concen: 1.333 ppbv
 RT: 2.036 min Scan# 602
 Delta R.T. -0.058 min
 Lab File: VL042420.D
 Acq: 28 Apr 2025 11:33

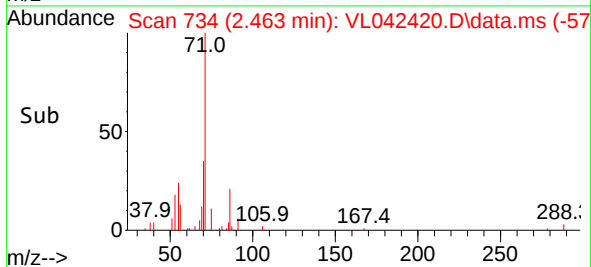
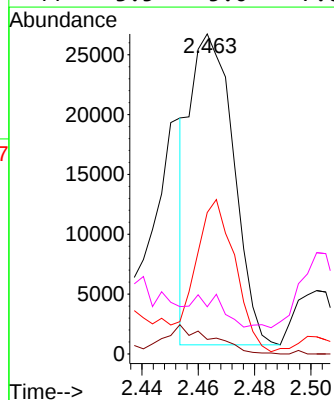
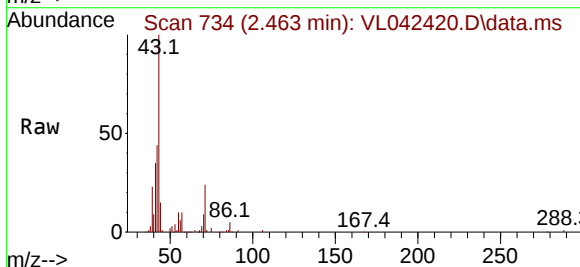
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-DUP-1-3242025

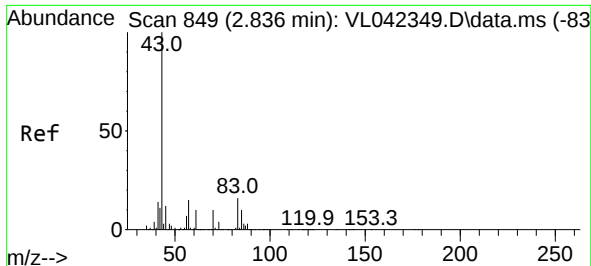
Tgt Ion: 41 Resp: 21270
 Ion Ratio Lower Upper
 41 100
 76 5.8 24.8 37.2#
 39 47.2 60.6 90.8#



#23
 Vinyl Acetate
 Concen: 2.979 ppbv
 RT: 2.463 min Scan# 734
 Delta R.T. 0.003 min
 Lab File: VL042420.D
 Acq: 28 Apr 2025 11:33

Tgt Ion: 43 Resp: 27871
 Ion Ratio Lower Upper
 43 100
 86 4.7 6.5 9.7#
 42 43.7 7.8 11.8#
 44 3.5 5.0 7.6#

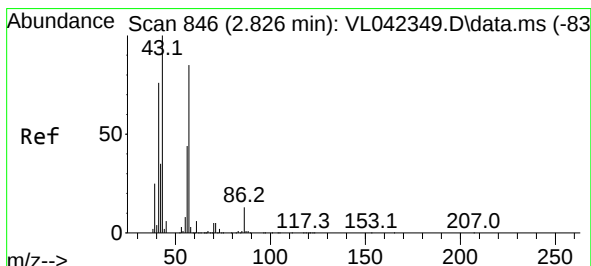
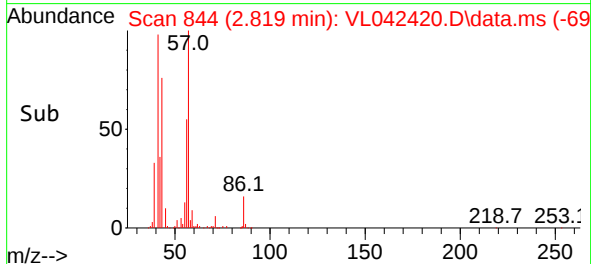
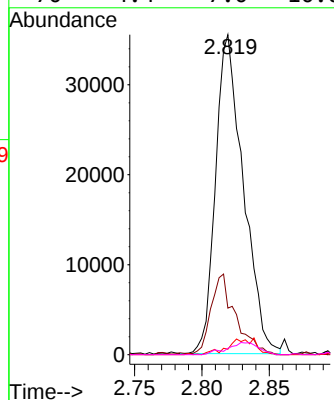
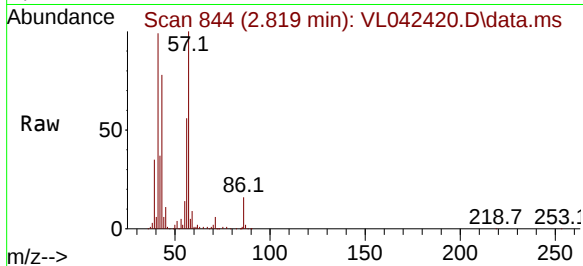




#25
Ethyl Acetate
Concen: 0.891 ppbv
RT: 2.819 min Scan# 84
Delta R.T. -0.016 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

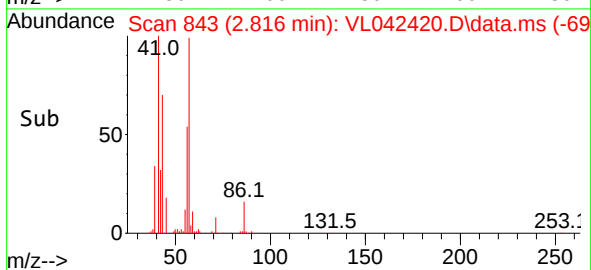
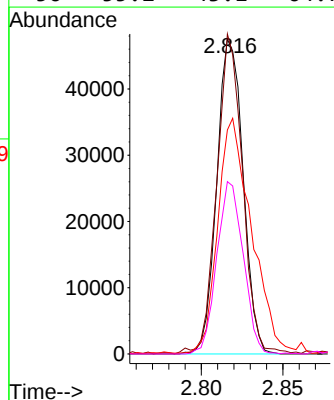
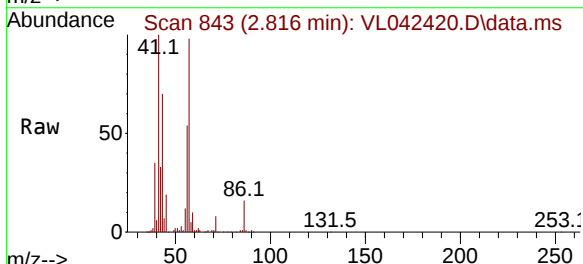
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

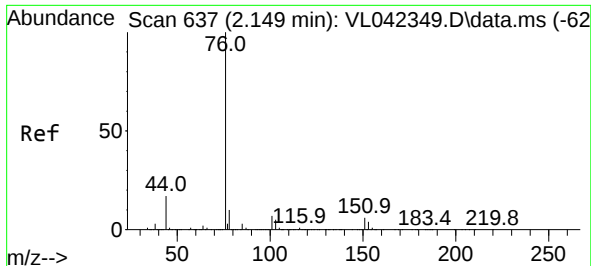
Tgt Ion: 43	Resp: 50759
Ion Ratio	Lower Upper
43 100	
45 22.9	8.3 12.5#
61 5.2	7.3 10.9#
70 4.4	7.0 10.6#



#26
Hexane
Concen: 2.306 ppbv
RT: 2.816 min Scan# 843
Delta R.T. -0.010 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion: 57	Resp: 53184
Ion Ratio	Lower Upper
57 100	
41 100.2	77.9 116.9
43 97.0	208.4 312.6#
56 55.2	43.1 64.7





#27

Carbon Disulfide

Concen: 0.048 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL042420.D

Acq: 28 Apr 2025 11:33

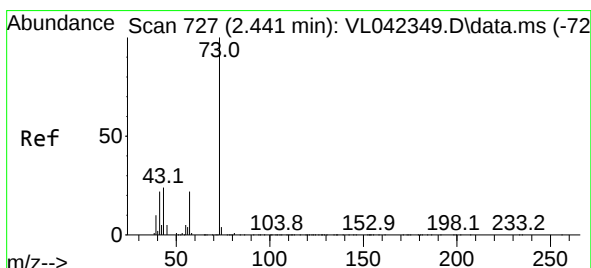
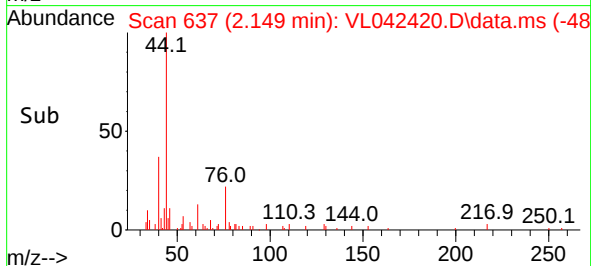
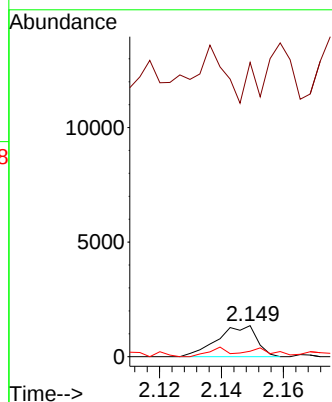
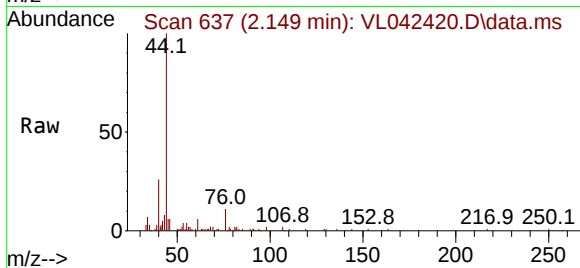
Instrument :

MSVOA_L

ClientSampleId :

IA-DUP-1-3242025

Tgt Ion:	76	Resp:	1195
Ion Ratio	Lower	Upper	
76	100		
44	0.0	15.5	23.3#
78	45.8	9.3	13.9#



#28

Methyl tert-Butyl Ether

Concen: 0.061 ppbv

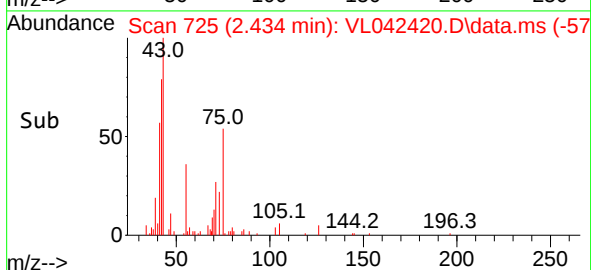
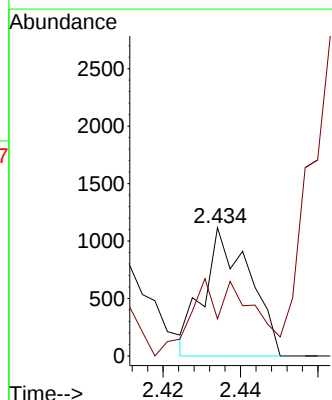
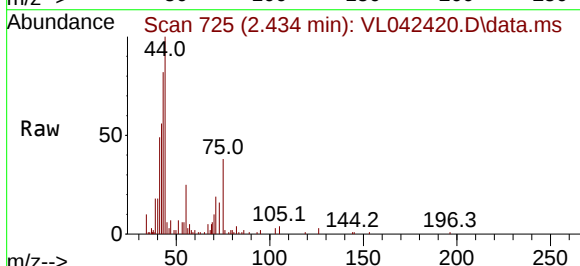
RT: 2.434 min Scan# 725

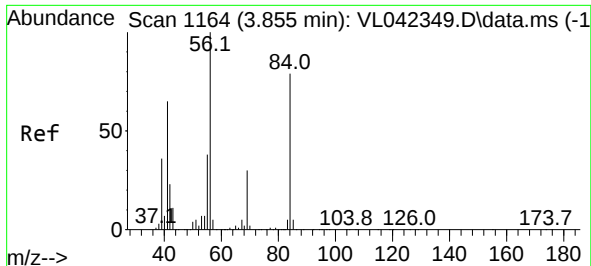
Delta R.T. -0.007 min

Lab File: VL042420.D

Acq: 28 Apr 2025 11:33

Tgt Ion:	73	Resp:	916
Ion Ratio	Lower	Upper	
73	100		
57	420.7	21.3	31.9#

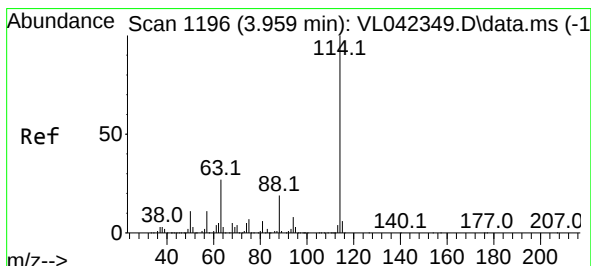
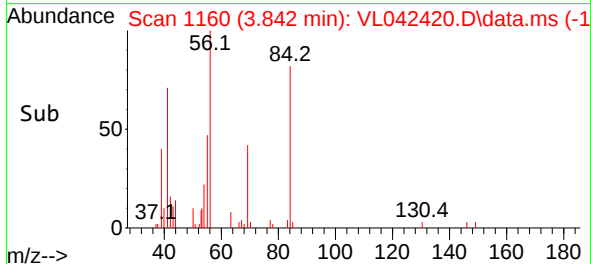
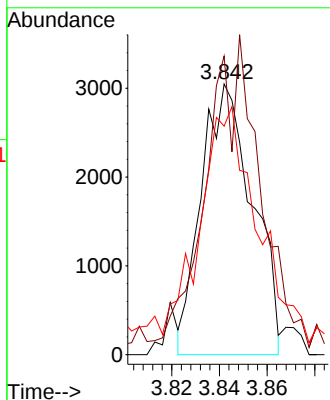
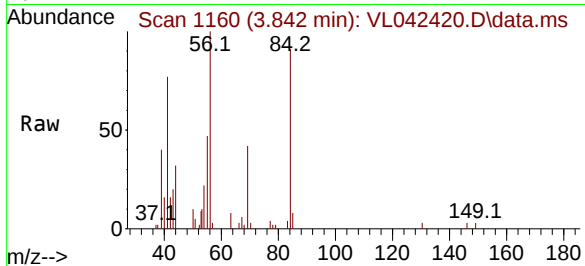




#30
Cyclohexane
Concen: 0.244 ppbv
RT: 3.842 min Scan# 1160
Delta R.T. -0.013 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

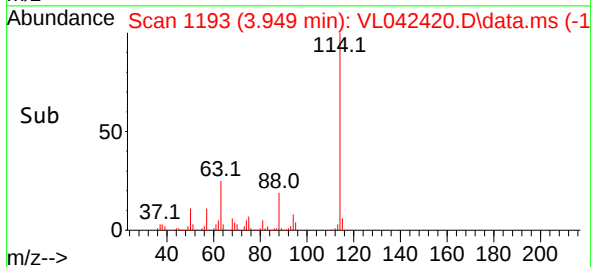
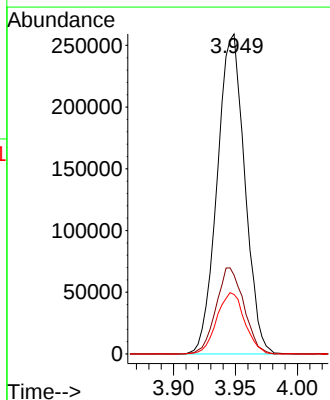
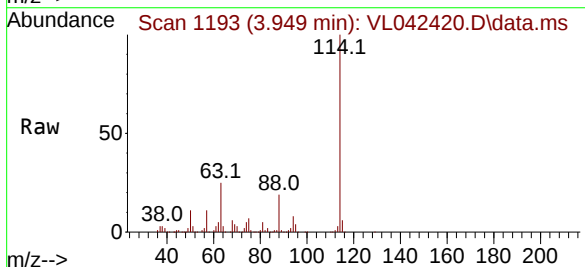
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

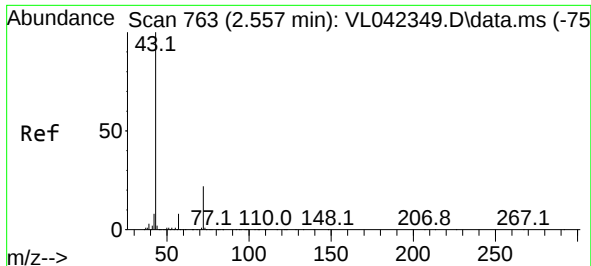
Tgt Ion: 84 Resp: 4557
Ion Ratio Lower Upper
84 100
56 131.8 101.0 151.4
41 104.1 67.4 101.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.010 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion: 114 Resp: 402115
Ion Ratio Lower Upper
114 100
63 27.1 21.8 32.6
88 19.4 15.5 23.3

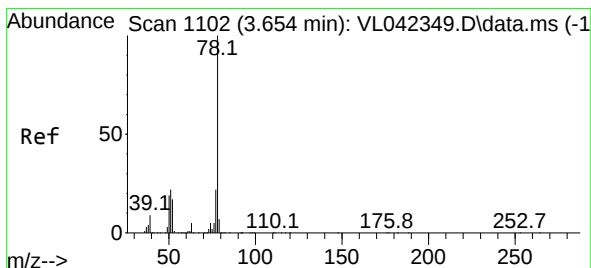
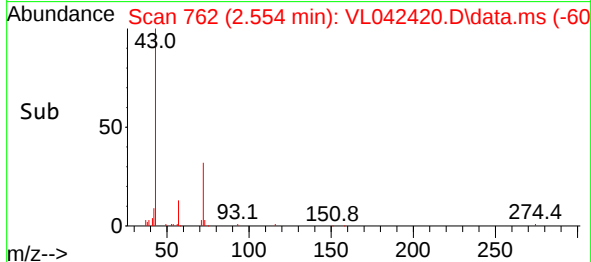
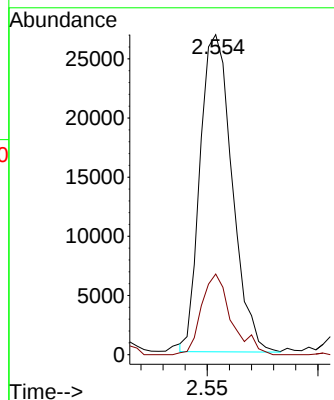
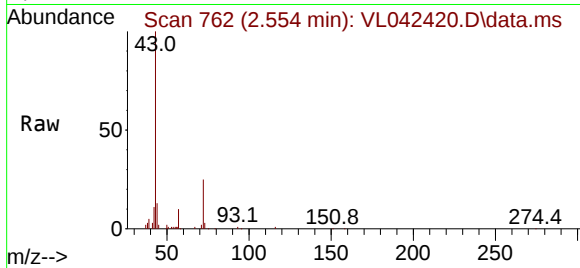




#34
2-Butanone
Concen: 0.848 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

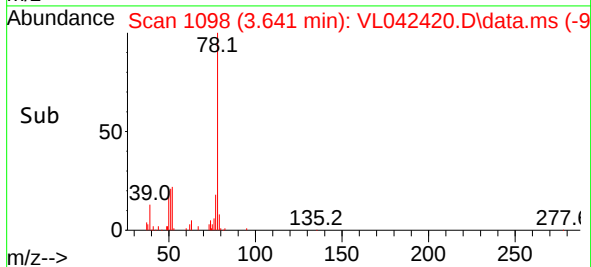
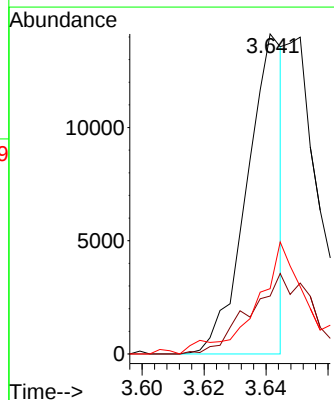
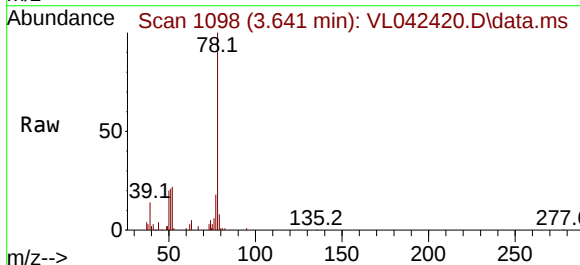
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

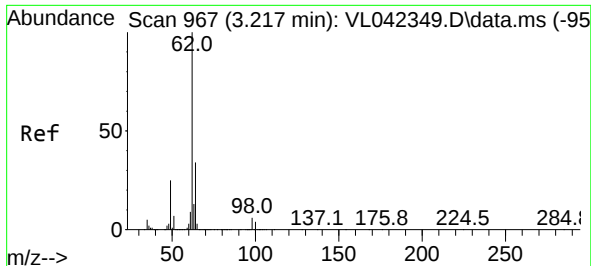
Tgt Ion: 43 Resp: 26974
Ion Ratio Lower Upper
43 100
72 23.7 18.2 27.2



#36
Benzene
Concen: 0.262 ppbv
RT: 3.641 min Scan# 1098
Delta R.T. -0.013 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion: 78 Resp: 11344
Ion Ratio Lower Upper
78 100
77 18.1 17.4 26.0
50 20.4 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.480 ppbv

RT: 3.208 min Scan# 9

Delta R.T. -0.010 min

Lab File: VL042420.D

Acq: 28 Apr 2025 11:33

Instrument :

MSVOA_L

ClientSampleId :

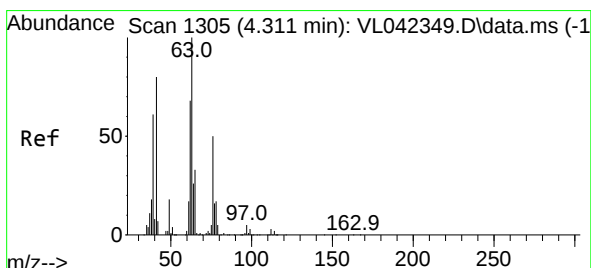
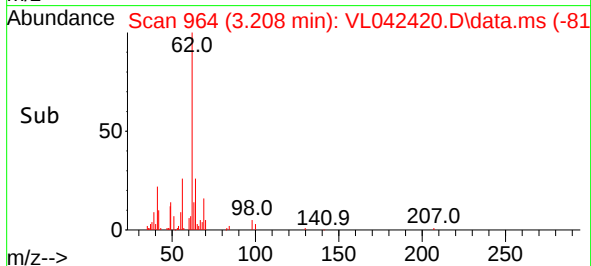
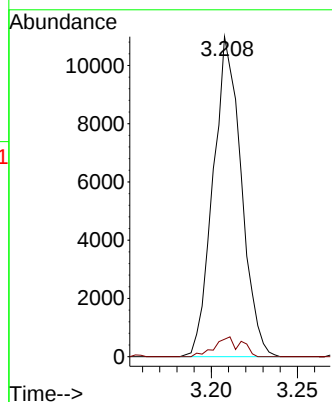
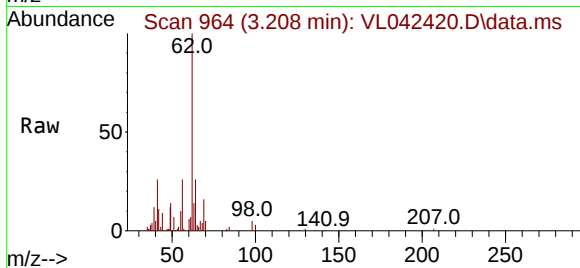
IA-DUP-1-3242025

Tgt Ion: 62 Resp: 12506

Ion Ratio Lower Upper

62 100

98 5.9 5.1 7.7



#39

1,2-Dichloropropane

Concen: 6.746 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.366 min

Lab File: VL042420.D

Acq: 28 Apr 2025 11:33

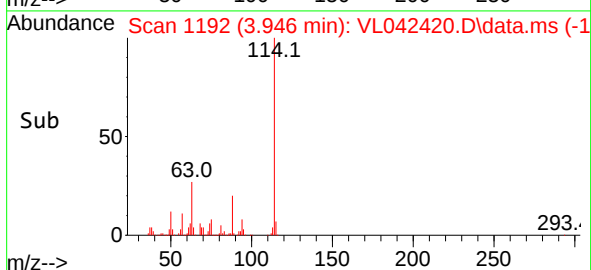
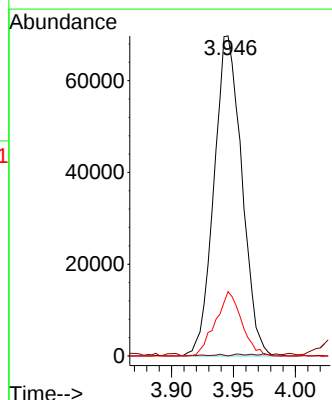
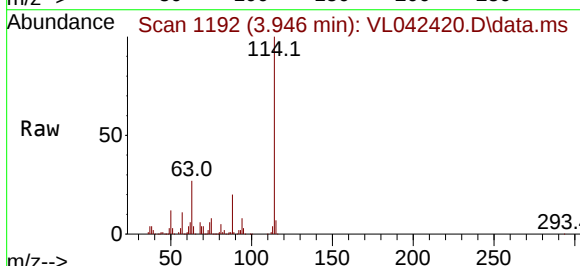
Tgt Ion: 63 Resp: 109025

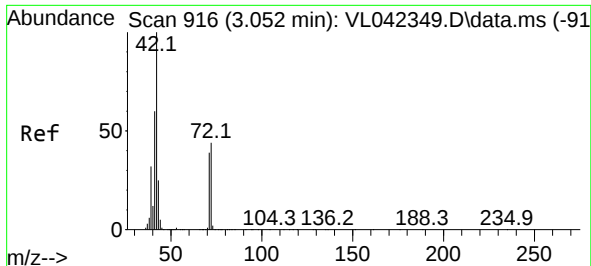
Ion Ratio Lower Upper

63 100

41 0.0 64.2 96.2#

62 20.1 54.3 81.5#

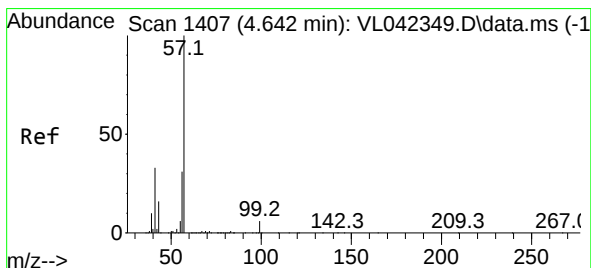
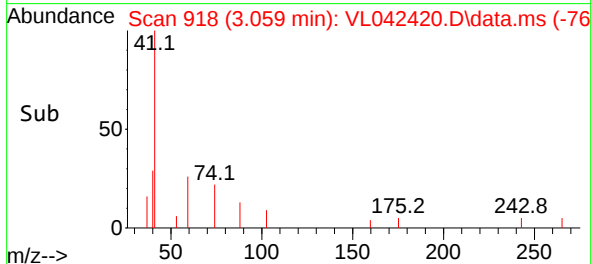
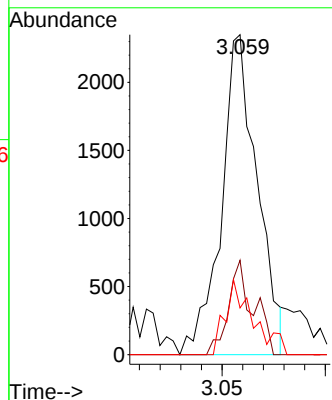
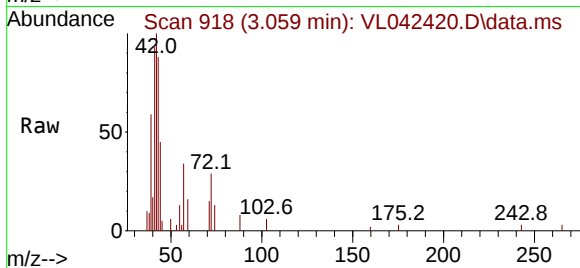




#41
Tetrahydrofuran
Concen: 0.153 ppbv
RT: 3.059 min Scan# 916
Delta R.T. 0.006 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

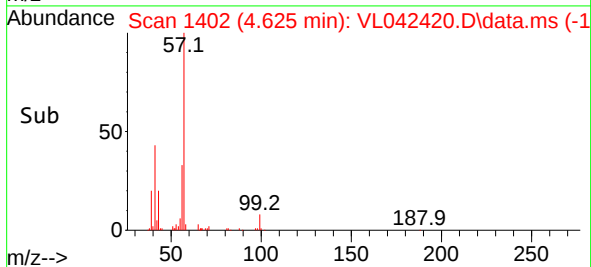
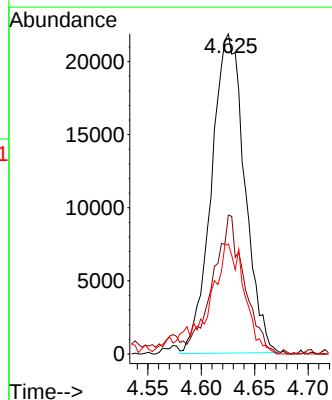
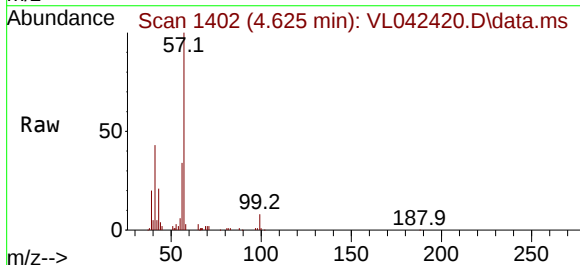
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

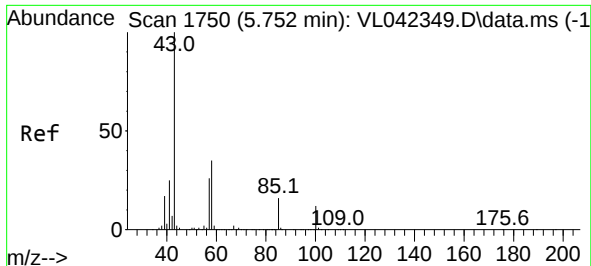
Tgt Ion: 42 Resp: 2829
Ion Ratio Lower Upper
42 100
72 20.6 32.3 48.5#
71 18.3 31.4 47.2#



#44
2,2,4-Trimethylpentane
Concen: 0.631 ppbv
RT: 4.625 min Scan# 1402
Delta R.T. -0.016 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion: 57 Resp: 47245
Ion Ratio Lower Upper
57 100
41 44.6 27.2 40.8#
56 38.4 25.7 38.5

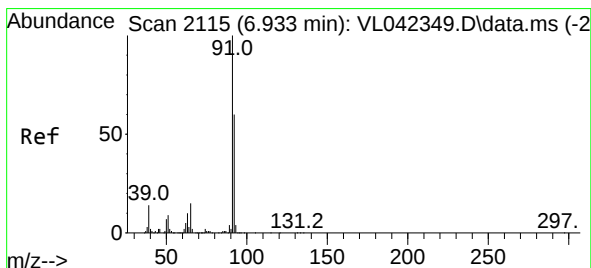
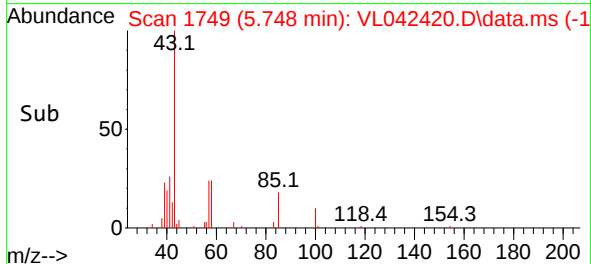
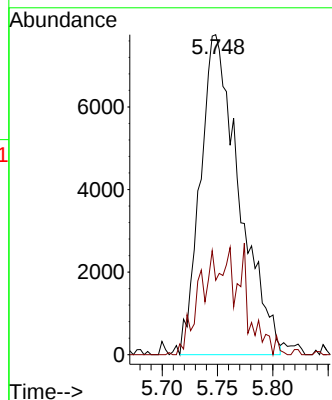
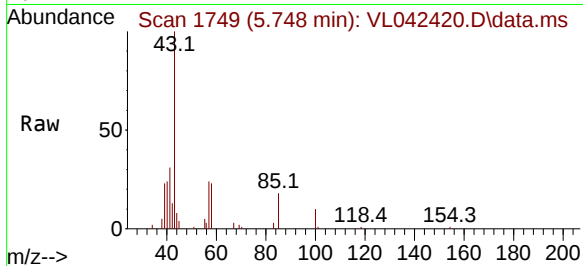




#50
 4-Methyl-2-Pentanone
 Concen: 0.359 ppbv
 RT: 5.748 min Scan# 1749
 Delta R.T. -0.003 min
 Lab File: VL042420.D
 Acq: 28 Apr 2025 11:33

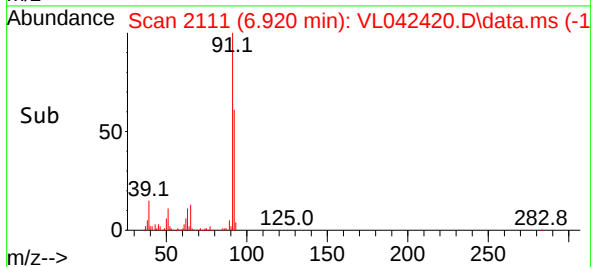
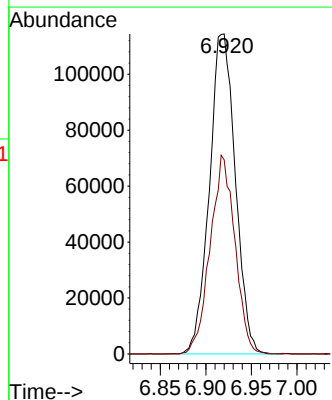
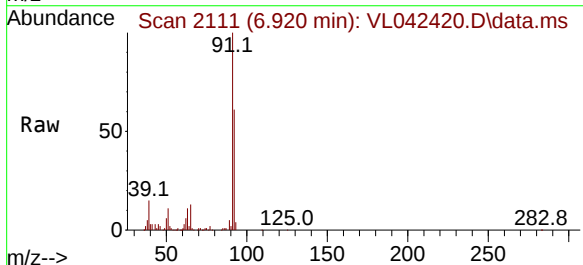
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-DUP-1-3242025

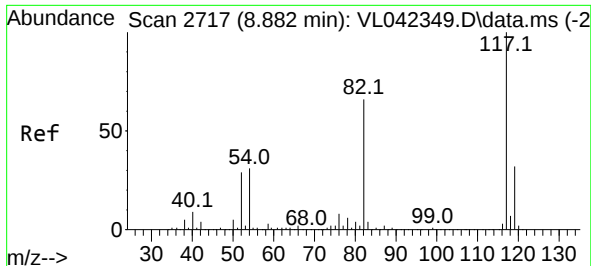
Tgt Ion: 43 Resp: 18997
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.6 43.0



#53
 Toluene
 Concen: 4.360 ppbv
 RT: 6.920 min Scan# 2111
 Delta R.T. -0.013 min
 Lab File: VL042420.D
 Acq: 28 Apr 2025 11:33

Tgt Ion: 91 Resp: 226903
 Ion Ratio Lower Upper
 91 100
 92 59.2 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.868 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL042420.D

Acq: 28 Apr 2025 11:33

Instrument :

MSVOA_L

ClientSampleId :

IA-DUP-1-3242025

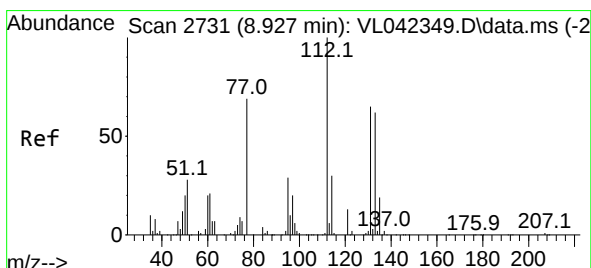
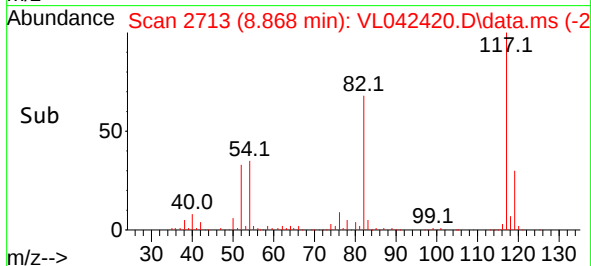
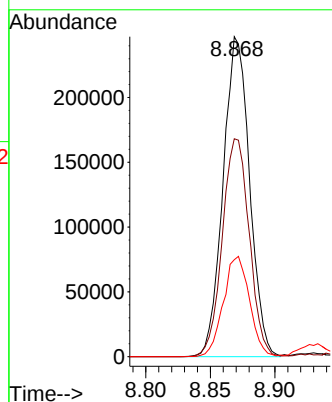
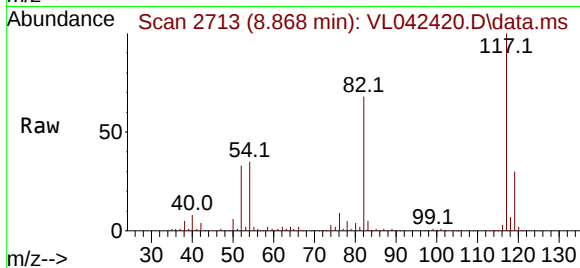
Tgt Ion:117 Resp: 352885

Ion Ratio Lower Upper

117 100

82 69.3 57.8 86.6

119 31.0 25.2 37.8



#56

1,1,1,2-Tetrachloroethane

Concen: 0.037 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. -0.000 min

Lab File: VL042420.D

Acq: 28 Apr 2025 11:33

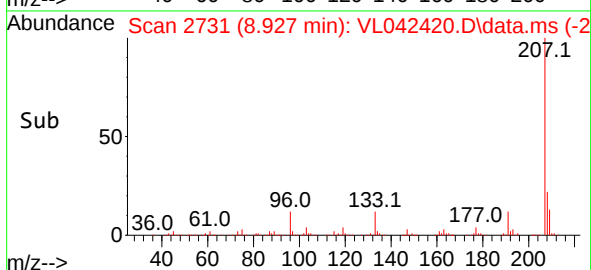
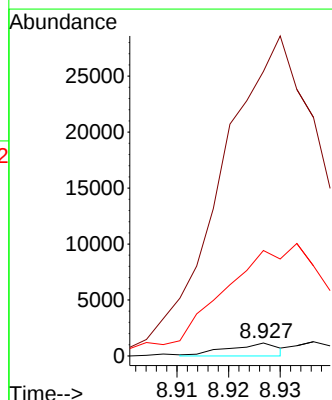
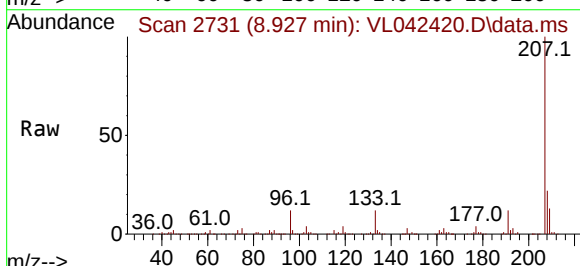
Tgt Ion:131 Resp: 786

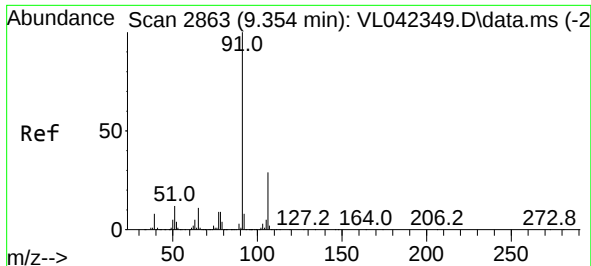
Ion Ratio Lower Upper

131 100

133 0.0 78.3 117.5#

119 0.0 48.7 73.1#

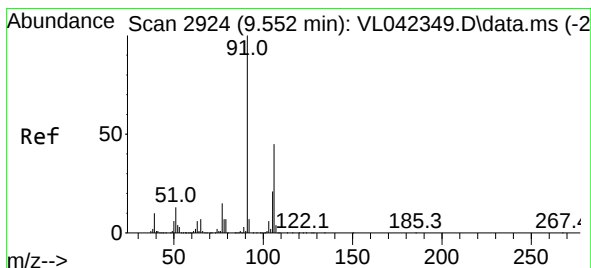
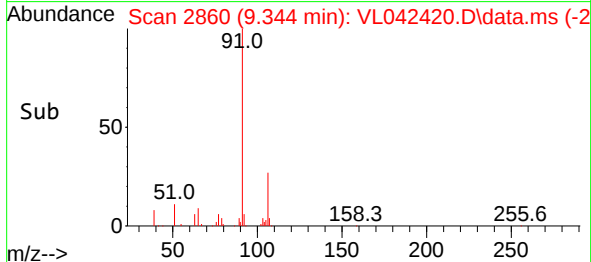
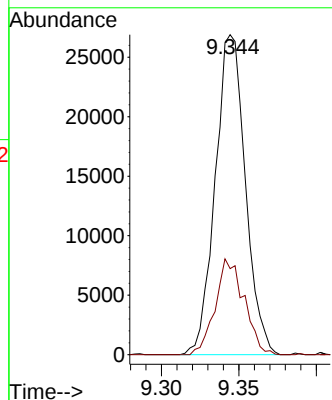
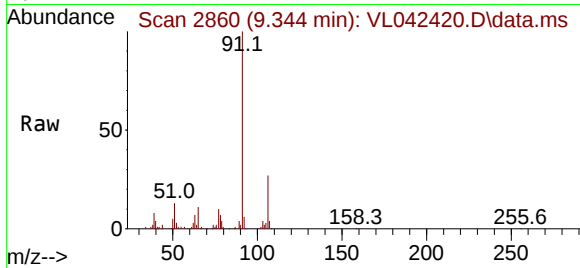




#58
Ethyl Benzene
Concen: 0.521 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.010 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

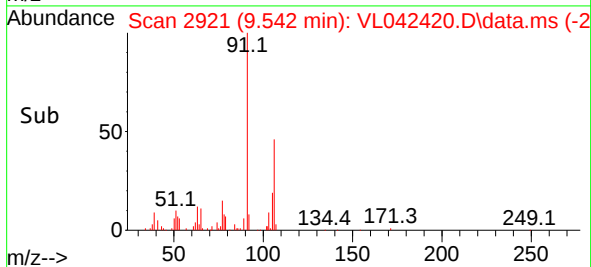
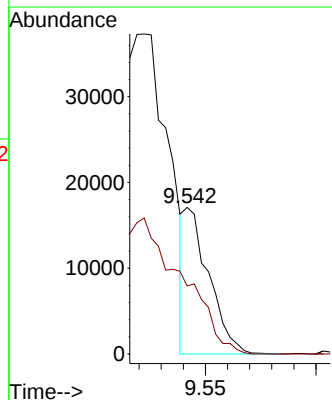
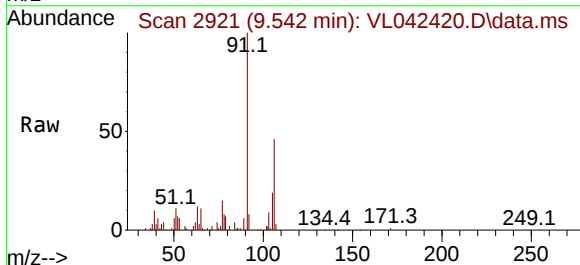
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

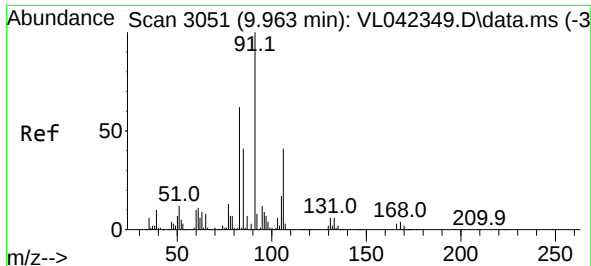
Tgt Ion: 91 Resp: 36433
Ion Ratio Lower Upper
91 100
106 26.9 23.0 34.4



#59
m/p-Xylene
Concen: 0.234 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. -0.010 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion: 91 Resp: 13197
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#

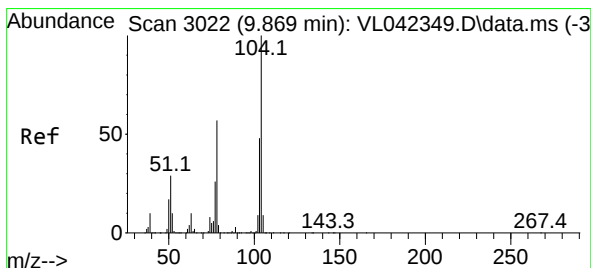
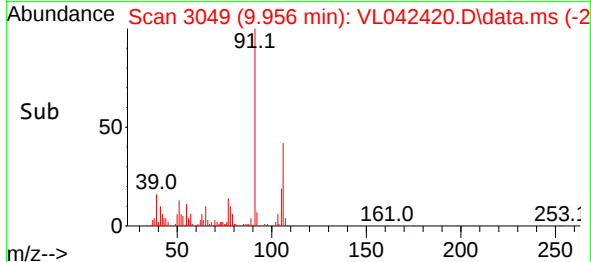
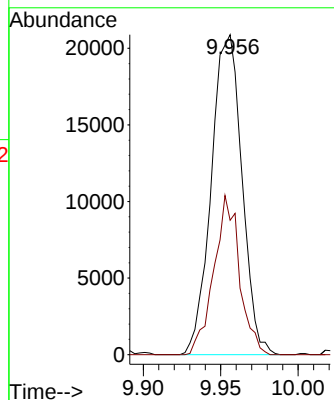
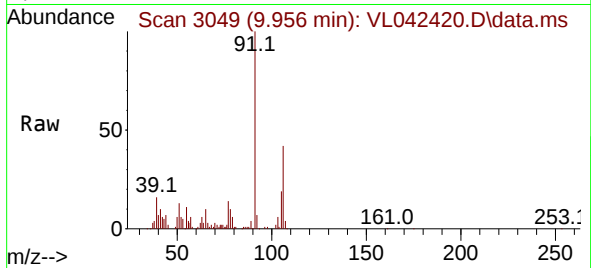




#60
o-Xylene
Concen: 0.508 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.007 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

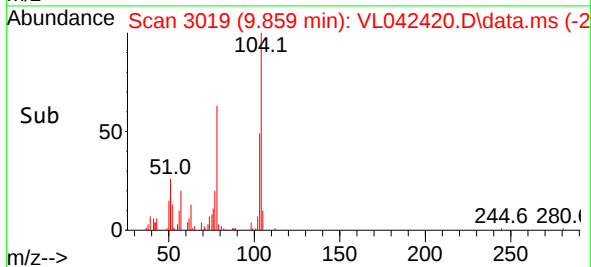
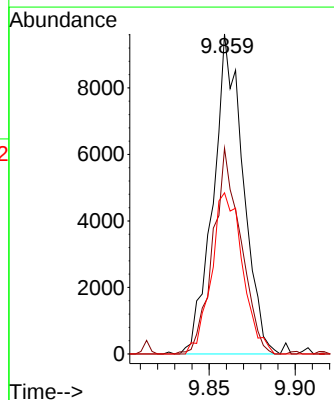
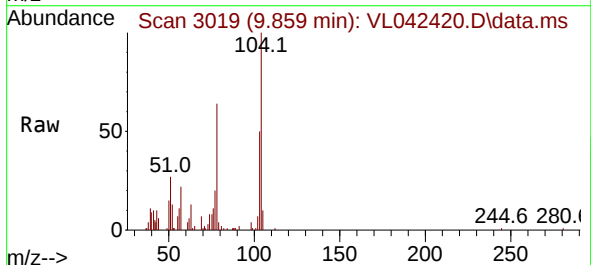
Instrument :
MSVOA_1
ClientSampleId :
IA-DUP-1-3242025

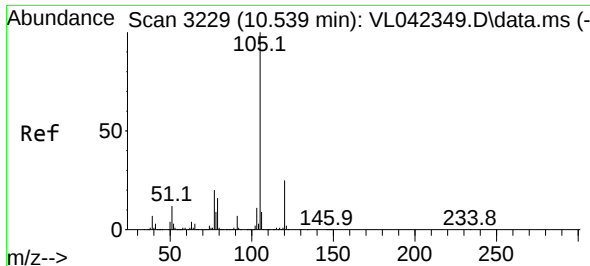
Tgt Ion: 91 Resp: 28805
Ion Ratio Lower Upper
91 100
106 41.5 21.1 63.4



#61
Styrene
Concen: 0.430 ppbv
RT: 9.859 min Scan# 3019
Delta R.T. -0.010 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion:104 Resp: 11652
Ion Ratio Lower Upper
104 100
78 59.6 44.6 66.8
103 52.4 37.4 56.0

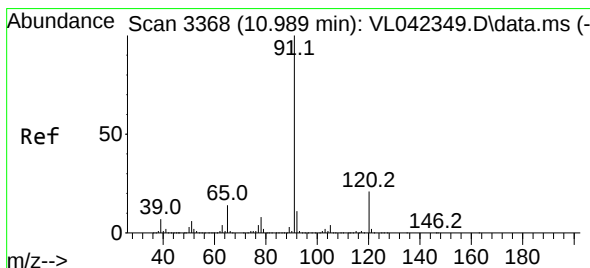
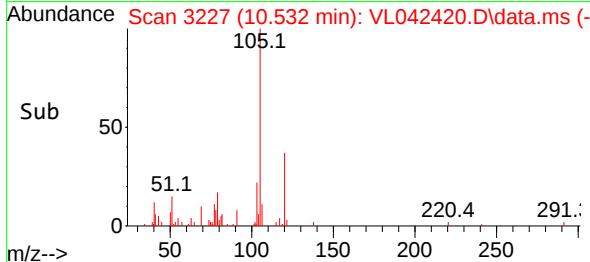
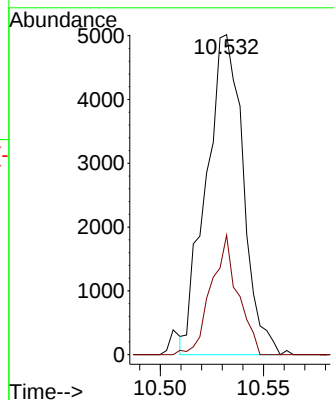
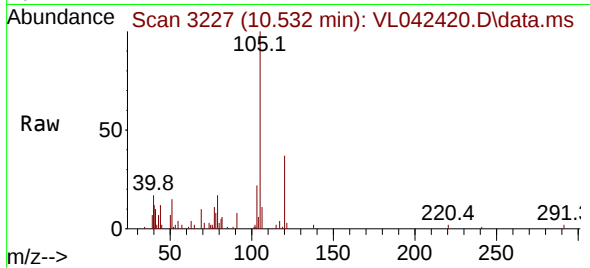




#62
Isopropylbenzene
Concen: 0.075 ppbv
RT: 10.532 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

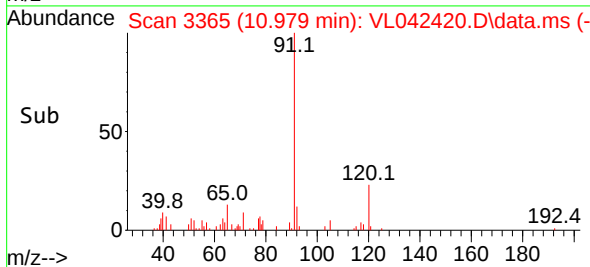
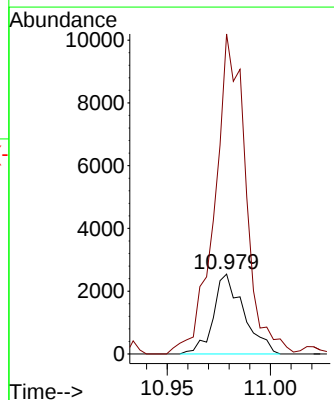
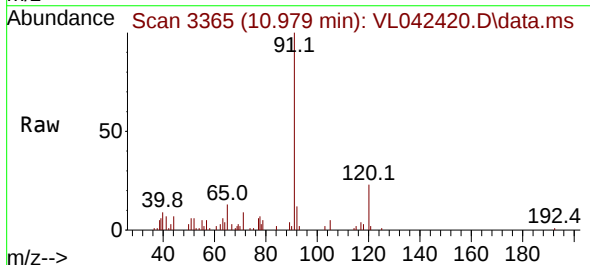
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

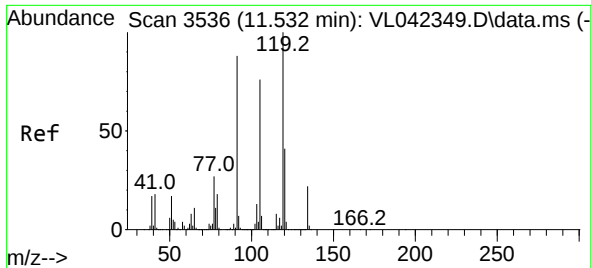
Tgt Ion:105 Resp: 6243
Ion Ratio Lower Upper
105 100
120 27.1 19.8 29.8



#64
n-propylbenzene
Concen: 0.124 ppbv
RT: 10.979 min Scan# 3365
Delta R.T. -0.010 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion:120 Resp: 2601
Ion Ratio Lower Upper
120 100
91 415.6 392.4 588.6

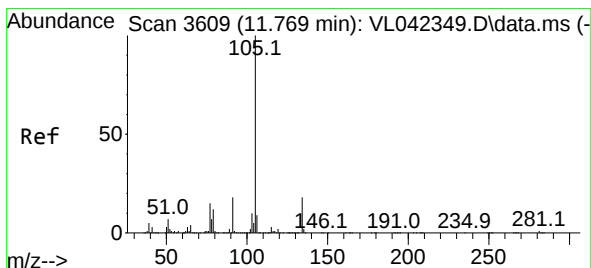
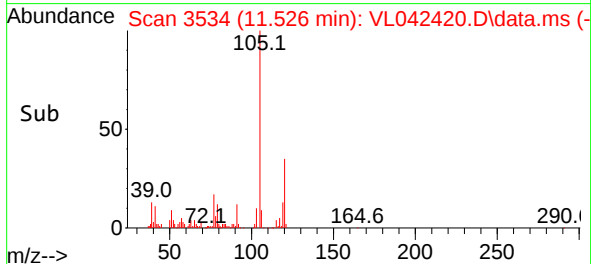
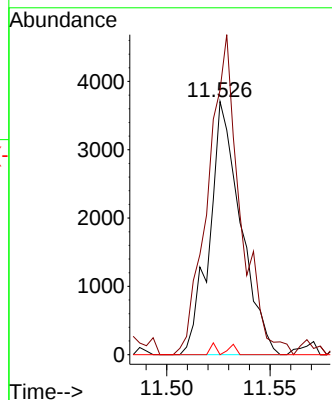
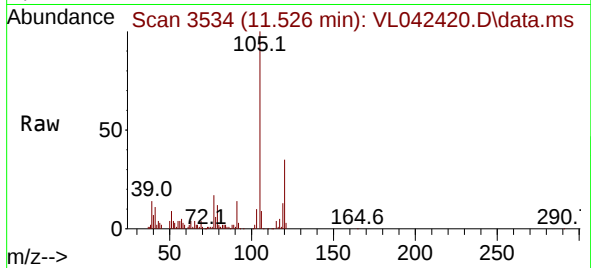




#65
tert-Butylbenzene
Concen: 0.051 ppbv
RT: 11.526 min Scan# 311
Delta R.T. -0.007 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

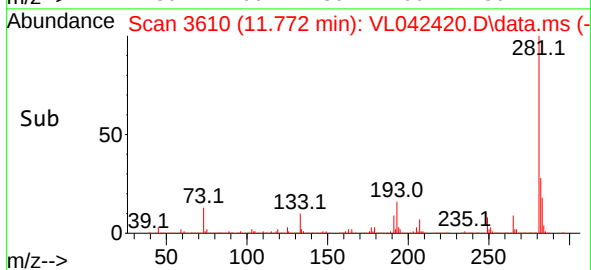
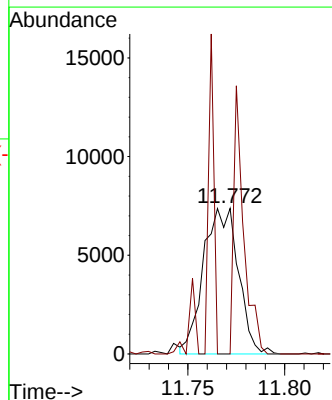
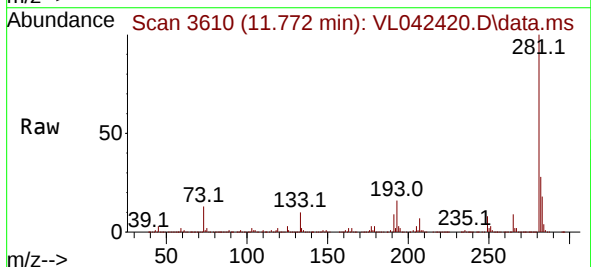
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

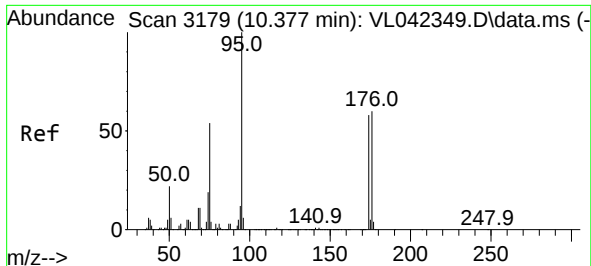
Tgt Ion:119 Resp: 3906
Ion Ratio Lower Upper
119 100
91 134.7 74.6 111.8#
134 0.0 18.8 28.2#



#67
sec-Butylbenzene
Concen: 0.087 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. 0.003 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion:105 Resp: 9253
Ion Ratio Lower Upper
105 100
134 98.7 14.6 21.8#

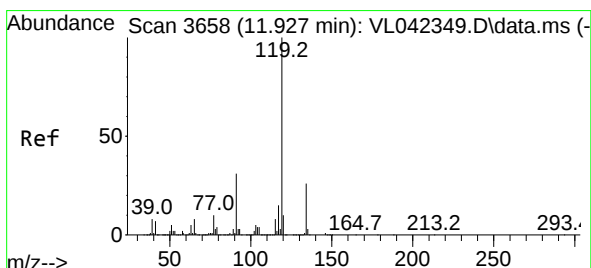
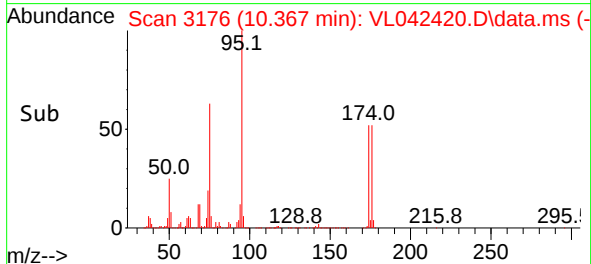
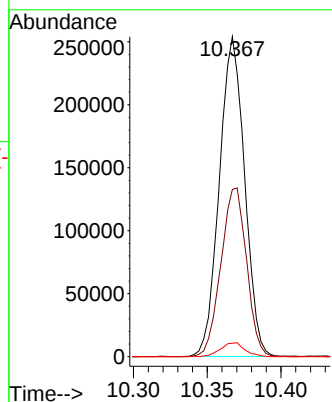
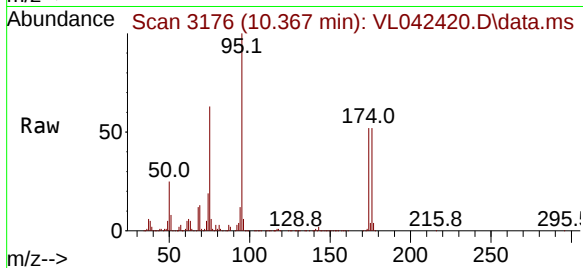




#68
1-Bromo-4-Fluorobenzene
Concen: 10.426 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.010 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

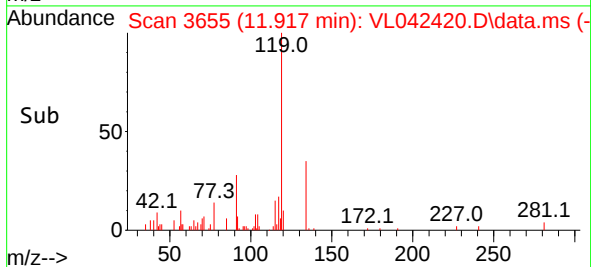
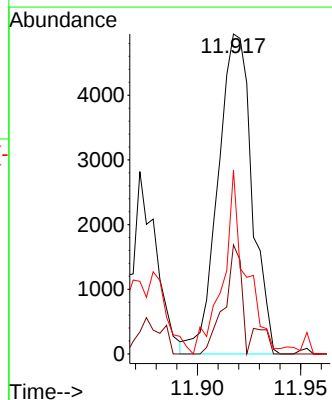
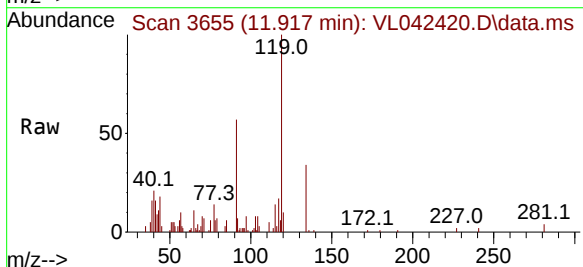
Instrument :
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ClientSampleId :
IA-DUP-1-3242025

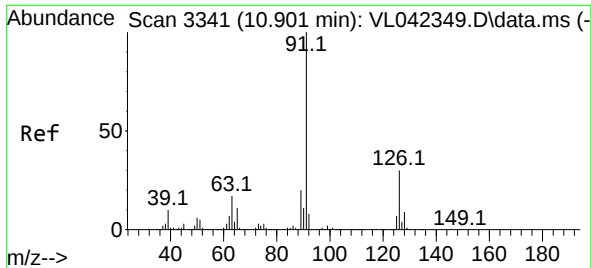
Tgt Ion: 95 Resp: 302328
Ion Ratio Lower Upper
95 100
174 53.7 48.5 72.7
175 4.2 3.7 5.5



#69
p-Isopropyltoluene
Concen: 0.061 ppbv
RT: 11.917 min Scan# 3655
Delta R.T. -0.010 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion: 119 Resp: 5675
Ion Ratio Lower Upper
119 100
134 21.0 20.0 30.0
91 40.4 24.4 36.6#

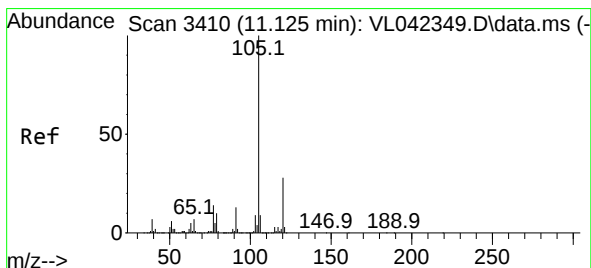
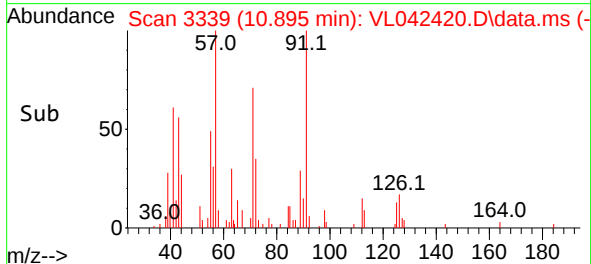
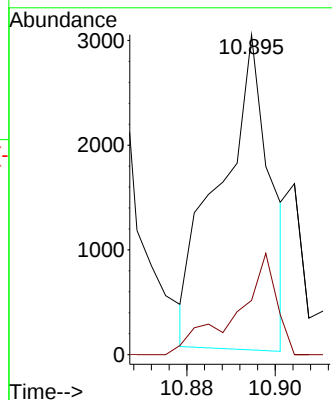
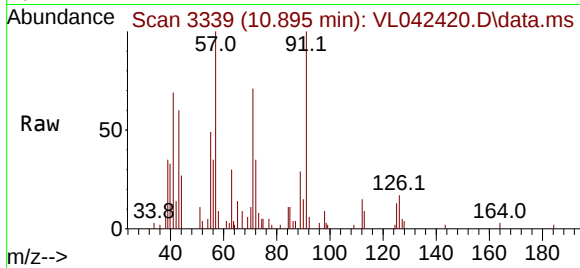




#71
2-Chlorotoluene
Concen: 0.037 ppbv
RT: 10.895 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

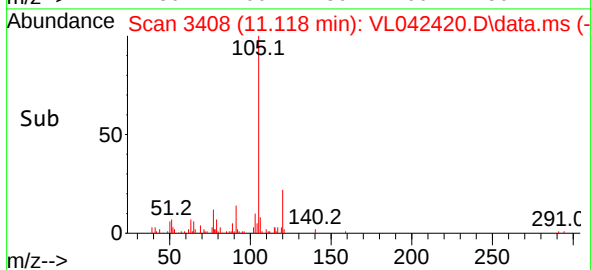
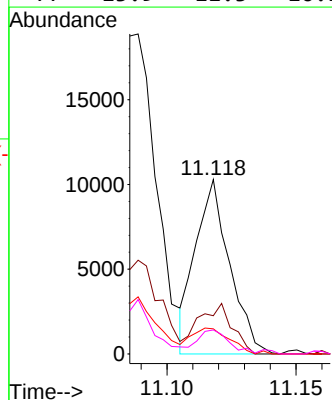
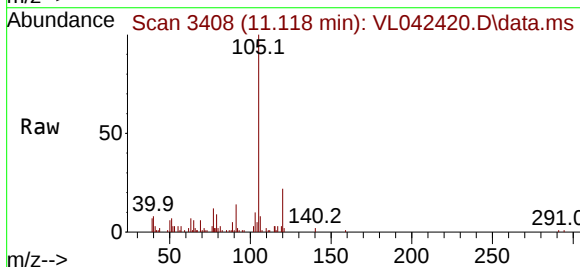
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MSVOA_L
ClientSampleId :
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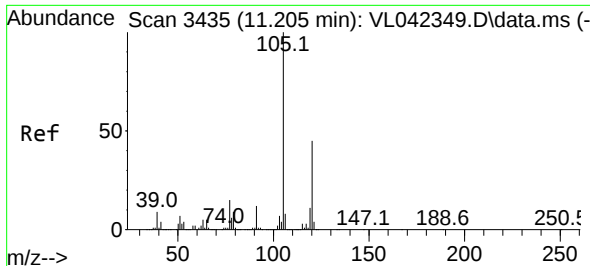
Tgt Ion: 91 Resp: 2387
Ion Ratio Lower Upper
91 100
126 25.4 11.4 45.4



#72
4-Ethyltoluene
Concen: 0.137 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.007 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Tgt Ion:105 Resp: 9487
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 10.4 15.6#
77 13.9 11.3 16.9

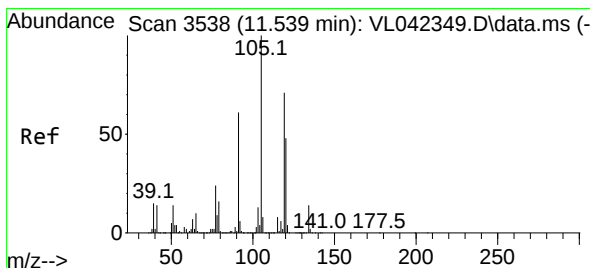
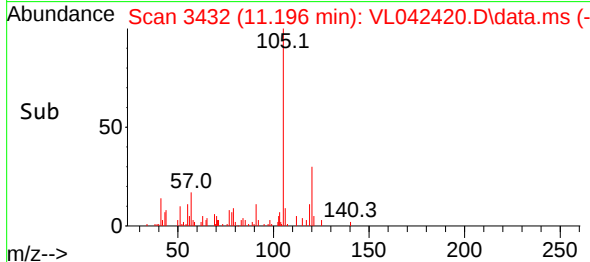
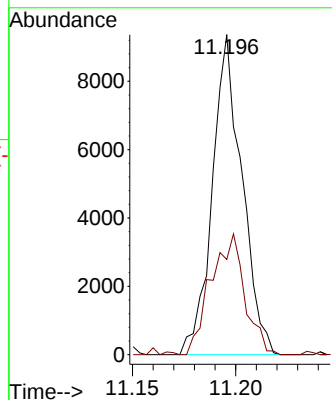
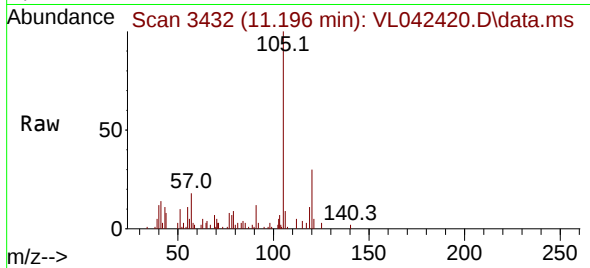




#73
 1,3,5-Trimethylbenzene
 Concen: 0.153 ppbv
 RT: 11.196 min Scan# 3432
 Delta R.T. -0.010 min
 Lab File: VL042420.D
 Acq: 28 Apr 2025 11:33

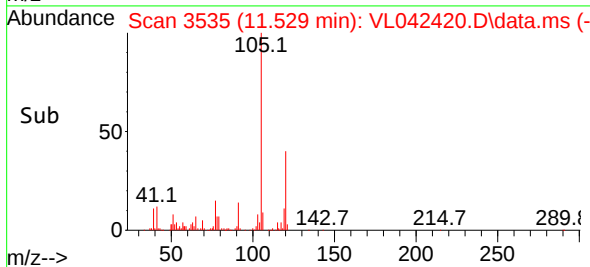
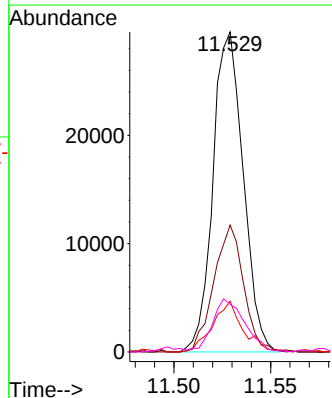
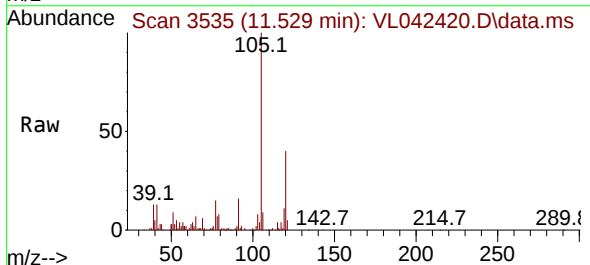
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 IA-DUP-1-3242025

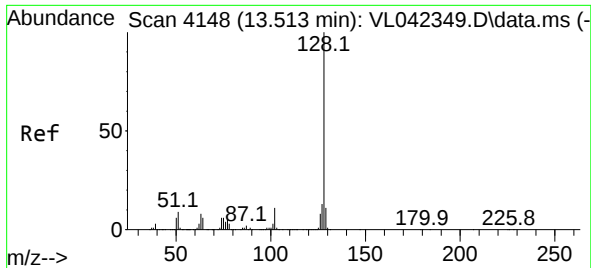
Tgt Ion:105 Resp: 9349
 Ion Ratio Lower Upper
 105 100
 120 29.8 35.6 53.4#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.449 ppbv
 RT: 11.529 min Scan# 3535
 Delta R.T. -0.010 min
 Lab File: VL042420.D
 Acq: 28 Apr 2025 11:33

Tgt Ion:105 Resp: 32107
 Ion Ratio Lower Upper
 105 100
 120 39.7 38.1 57.1
 91 15.9 48.8 73.2#
 77 14.5 19.0 28.4#





#79
Naphthalene
Concen: 0.069 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. -0.007 min
Lab File: VL042420.D
Acq: 28 Apr 2025 11:33

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion:128 Resp: 5874
Ion Ratio Lower Upper
128 100
127 14.4 10.6 15.8
129 9.8 8.6 12.8

