

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042135.D
 Acq On : 10 Mar 2025 20:35
 Operator : SY/MD
 Sample : Q1533-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Mar 11 01:30:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	156004	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	363367	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	361132	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	291547	10.494	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.900%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.502	85	2726	0.168	ppbv	96
3) Chlorodifluoromethane	1.470	51	5802	0.256	ppbv #	68
4) Chloromethane	1.538	50	420	0.070	ppbv #	72
5) Vinyl Chloride	1.489	62	171	0.030	ppbv #	43
7) Chloroethane	1.712	64	139	0.060	ppbv #	39
8) Dichlorotetrafluoroethane	1.502	85	2726	0.204	ppbv #	16
9) Propene	1.489	41	15176	1.643	ppbv	87
10) Heptane	4.998	43	4183	0.145	ppbv #	28
13) Ethanol	1.725	45	15196	25.916	ppbv	100
15) Acetone	1.842	43	283161	20.553	ppbv	97
16) 1,3-Butadiene	1.606	39	5128	0.800	ppbv #	34
17) tert-Butyl alcohol	2.049	59	6767	0.393	ppbv #	90
19) Isopropyl Alcohol	1.894	45	20661	2.611	ppbv #	1
20) Methylene Chloride	2.068	84	2081	0.399	ppbv #	92
23) Vinyl Acetate	2.483	43	16221	1.674	ppbv #	43
25) Ethyl Acetate	2.839	43	41315	0.749	ppbv #	83
26) Hexane	2.836	57	56304	2.526	ppbv #	32
27) Carbon Disulfide	2.156	76	12486	0.826	ppbv #	50
28) Methyl tert-Butyl Ether	2.447	73	444	0.040	ppbv #	1
29) Chloroform	2.858	83	1193	0.040	ppbv #	82
34) 2-Butanone	2.570	43	31746	1.121	ppbv	99
36) Benzene	3.674	78	6330	0.166	ppbv #	90
38) Trichloroethene	4.570	130	1076	0.069	ppbv #	68
39) 1,2-Dichloropropane	3.975	63	91561	6.342	ppbv #	23
41) Tetrahydrofuran	3.075	42	7030	0.420	ppbv #	88
44) 2,2,4-Trimethylpentane	4.658	57	9457	0.141	ppbv #	1
51) 2-Hexanone	7.457	43	12338	0.490	ppbv #	80
52) Tetrachloroethene	8.244	164	65181	5.005	ppbv	93
53) Toluene	6.956	91	56731	1.334	ppbv	99
57) Chlorobenzene	8.891	112	1834	0.049	ppbv #	88
58) Ethyl Benzene	9.370	91	17744	0.267	ppbv	93
59) m/p-Xylene	9.545	91	40168	0.759	ppbv #	100
60) o-Xylene	9.979	91	27711	0.521	ppbv	98
62) Isopropylbenzene	10.552	105	7355	0.092	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.966	83	5469	0.156	ppbv #	72
64) n-propylbenzene	11.002	120	3094	0.148	ppbv #	55
65) tert-Butylbenzene	11.898	119	5856	0.081	ppbv	92
66) Benzyl Chloride	11.604	91	1162	0.210	ppbv #	81
67) sec-Butylbenzene	11.775	105	7304	0.070	ppbv	97
69) p-Isopropyltoluene	11.937	119	2650	0.032	ppbv #	22
71) 2-Chlorotoluene	11.005	91	15433	0.251	ppbv	76
72) 4-Ethyltoluene	11.141	105	7561	0.116	ppbv #	47
73) 1,3,5-Trimethylbenzene	11.218	105	24358	0.432	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042135.D
Acq On : 10 Mar 2025 20:35
Operator : SY/MD
Sample : Q1533-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

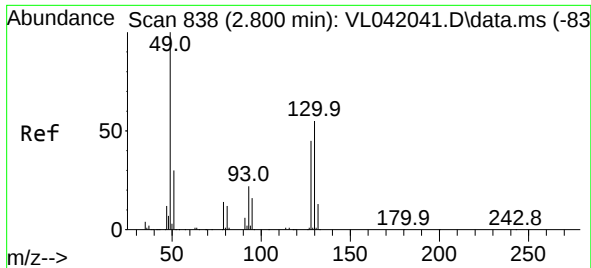
Quant Time: Mar 11 01:30:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	11.549	105	25030	0.394	ppbv	# 63

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

Instrument :
MSVOA_L
ClientSampleId :
SV1

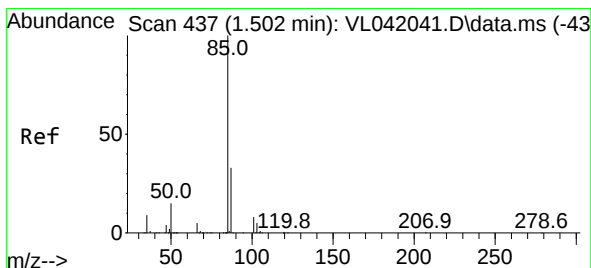
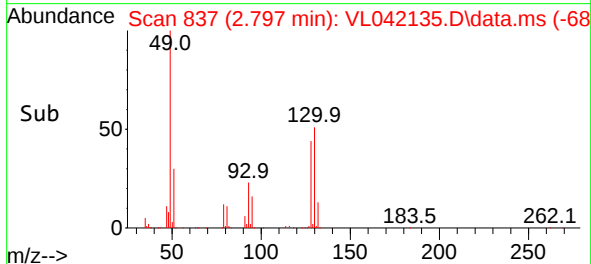
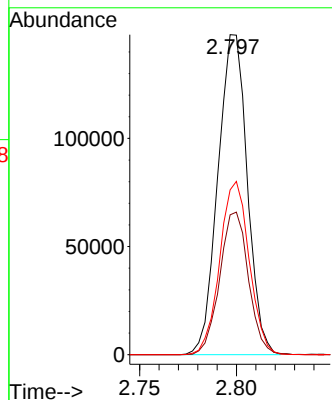
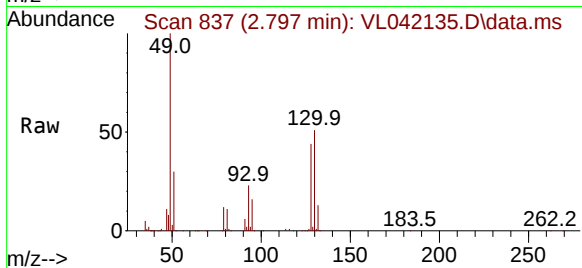
[illegible]



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.797 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042135.D
 Acq: 10 Mar 2025 20:35

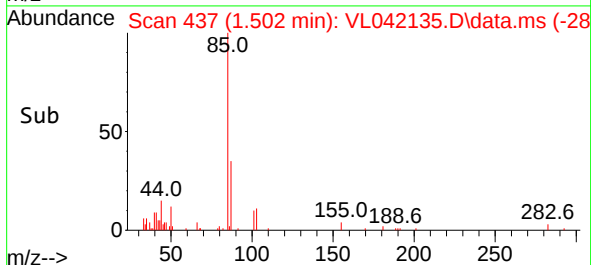
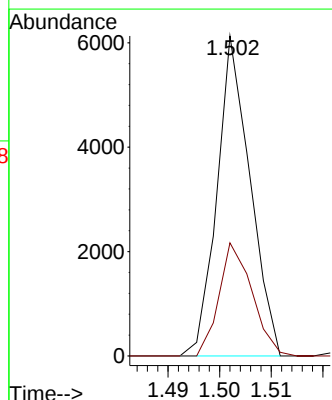
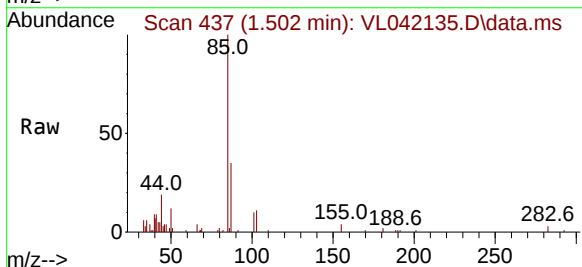
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

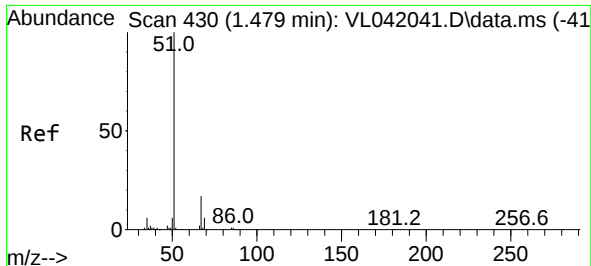
Tgt Ion: 49 Resp: 156004
 Ion Ratio Lower Upper
 49 100
 128 43.7 21.6 64.8
 130 54.4 27.8 83.4



#2
 Dichlorodifluoromethane
 Concen: 0.168 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. -0.000 min
 Lab File: VL042135.D
 Acq: 10 Mar 2025 20:35

Tgt Ion: 85 Resp: 2726
 Ion Ratio Lower Upper
 85 100
 87 35.4 26.4 39.6

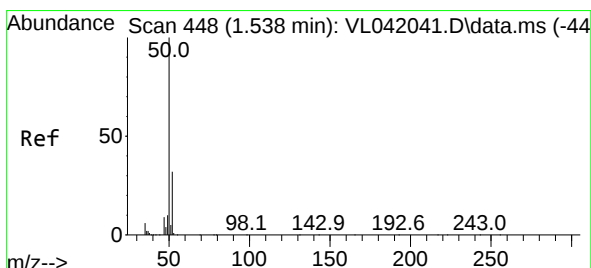
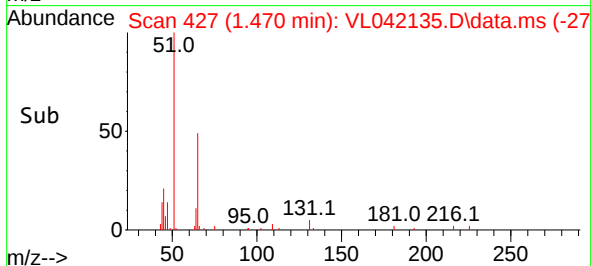
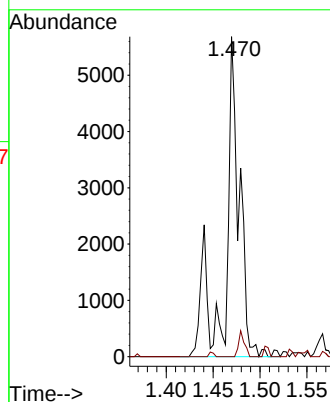
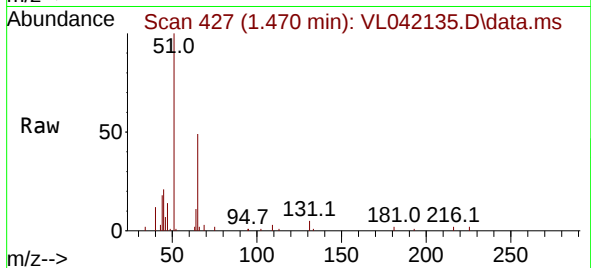




#3
Chlorodifluoromethane
Concen: 0.256 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

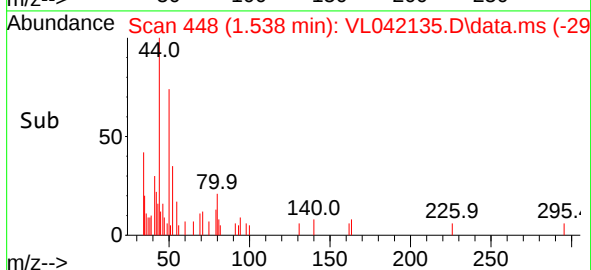
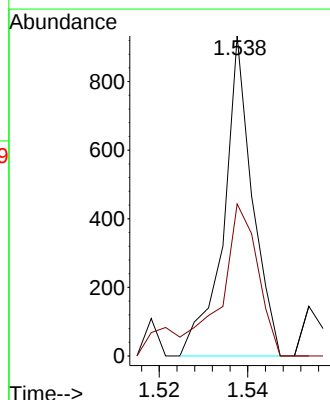
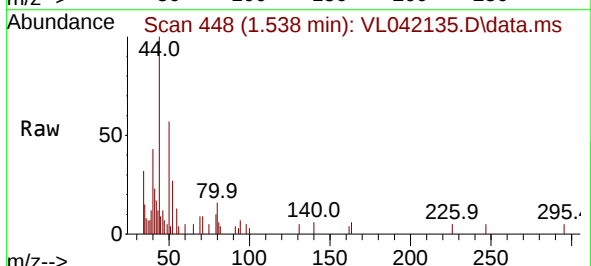
Instrument :
MSVOA_L
ClientSampleId :
SV1

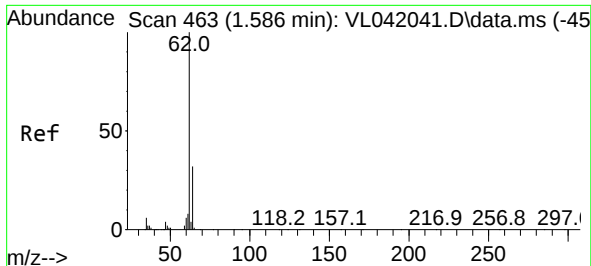
Tgt Ion: 51 Resp: 5802
Ion Ratio Lower Upper
51 100
67 3.4 13.7 20.5#



#4
Chloromethane
Concen: 0.070 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 50 Resp: 420
Ion Ratio Lower Upper
50 100
52 47.5 25.4 38.0#

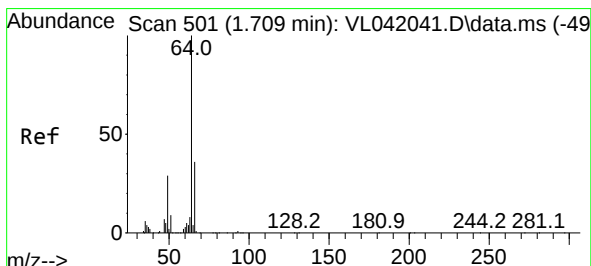
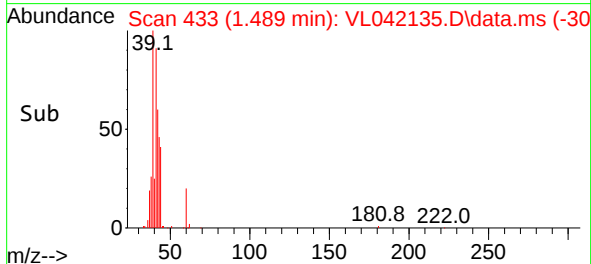
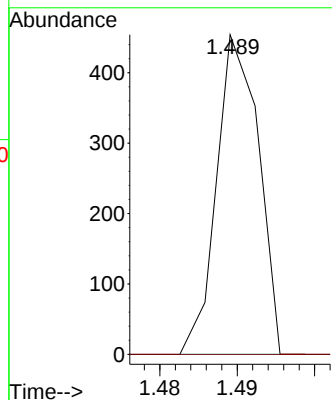
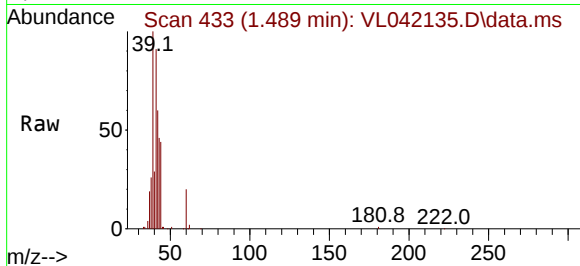




#5
 Vinyl Chloride
 Concen: 0.030 ppbv
 RT: 1.489 min Scan# 41
 Delta R.T. -0.097 min
 Lab File: VL042135.D
 Acq: 10 Mar 2025 20:35

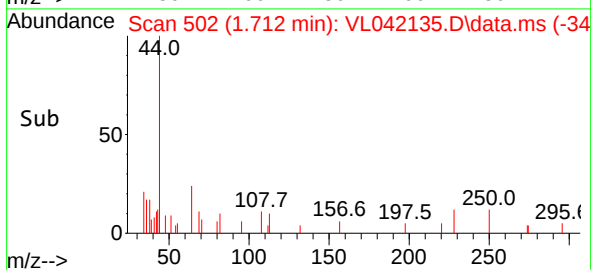
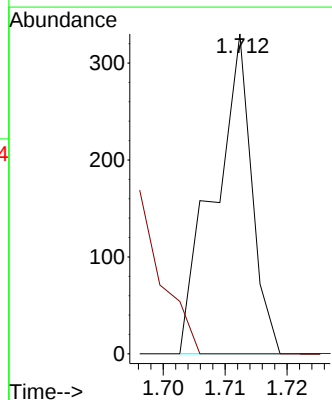
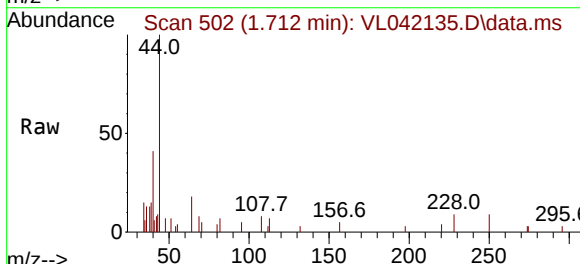
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

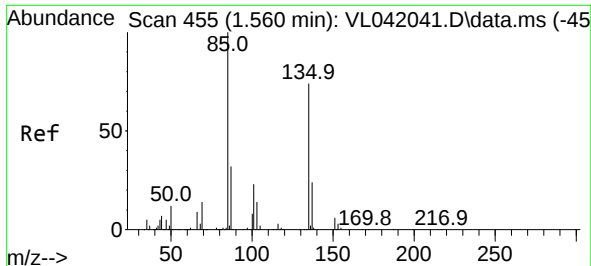
Tgt Ion: 62 Resp: 171
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.3 37.9#



#7
 Chloroethane
 Concen: 0.060 ppbv
 RT: 1.712 min Scan# 502
 Delta R.T. 0.003 min
 Lab File: VL042135.D
 Acq: 10 Mar 2025 20:35

Tgt Ion: 64 Resp: 139
 Ion Ratio Lower Upper
 64 100
 66 0.0 28.4 42.6#

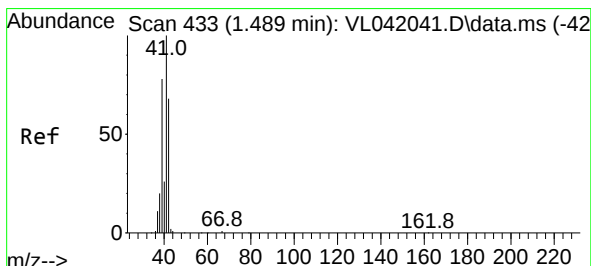
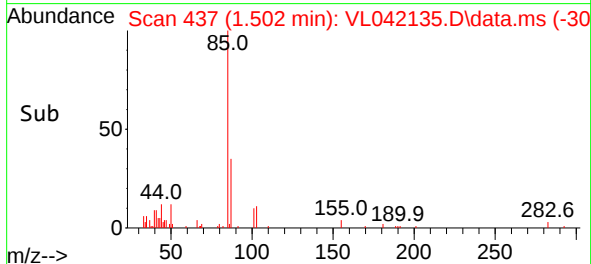
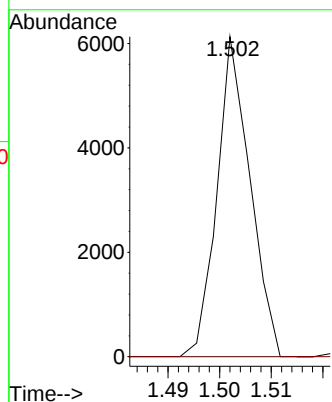
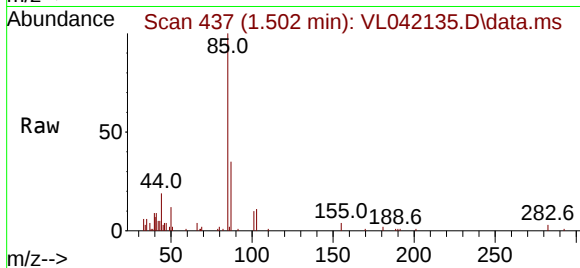




#8
Dichlorotetrafluoroethane
Concen: 0.204 ppbv
RT: 1.502 min Scan# 41
Delta R.T. -0.058 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

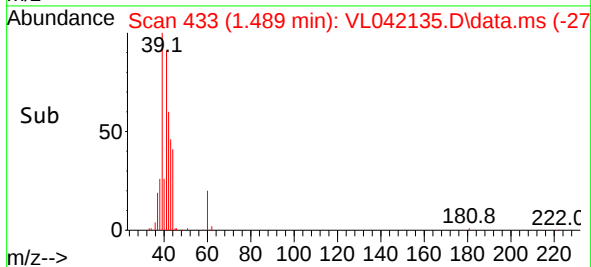
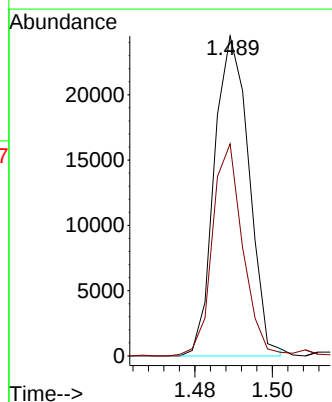
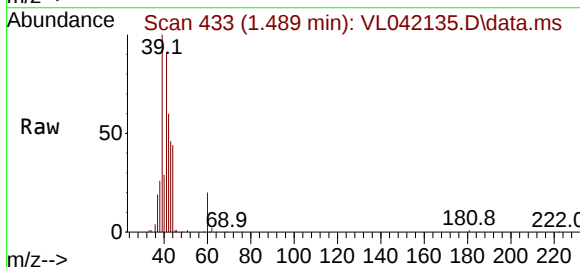
Instrument :
MSVOA_L
ClientSampleId :
SV1

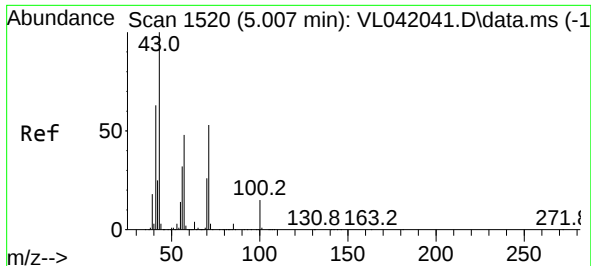
Tgt Ion: 85 Resp: 2726
Ion Ratio Lower Upper
85 100
135 0.0 54.6 81.8#



#9
Propene
Concen: 1.643 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 41 Resp: 15176
Ion Ratio Lower Upper
41 100
42 59.5 55.8 83.6

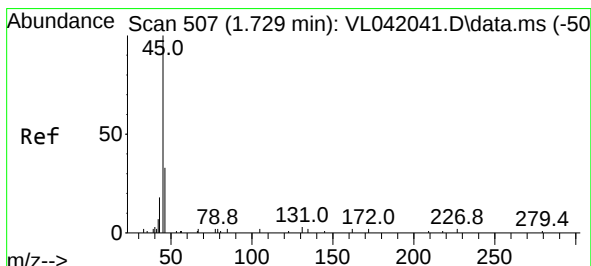
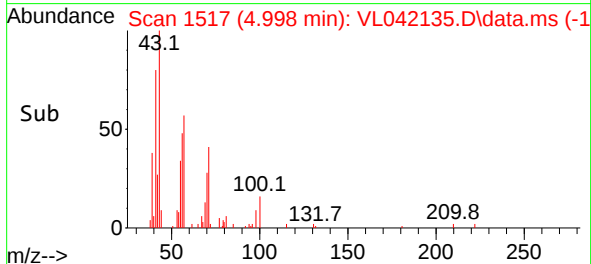
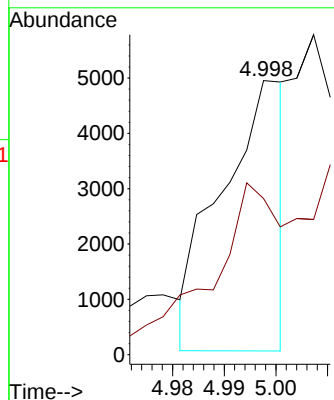
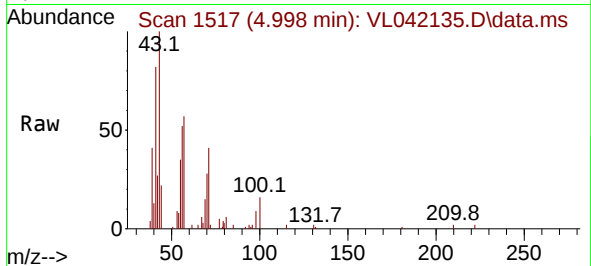




#10
Heptane
Concen: 0.145 ppbv
RT: 4.998 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

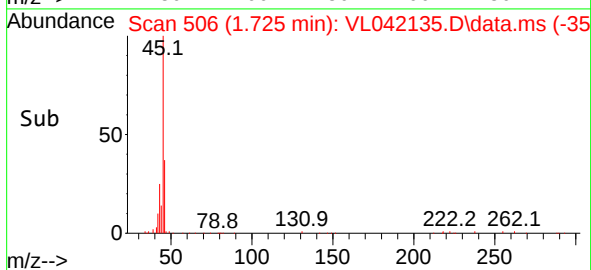
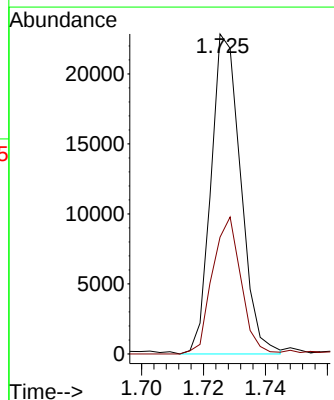
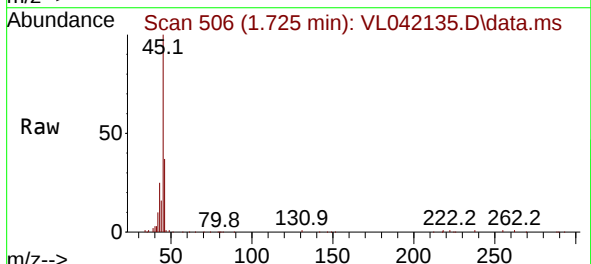
Instrument :
MSVOA_L
ClientSampleId :
SV1

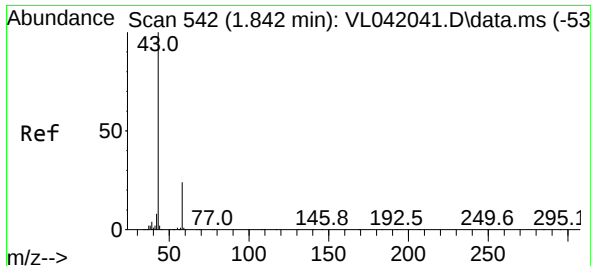
Tgt Ion: 43 Resp: 4183
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.0#



#13
Ethanol
Concen: 25.916 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 45 Resp: 15196
Ion Ratio Lower Upper
45 100
46 42.9 17.1 68.3

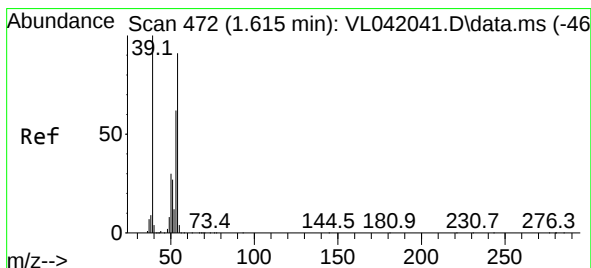
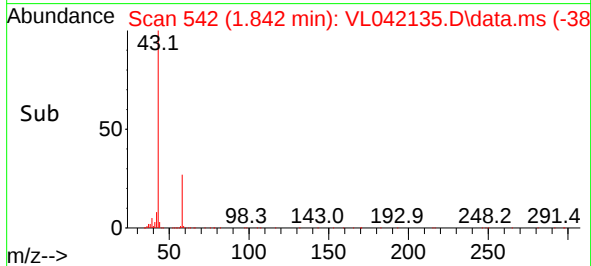
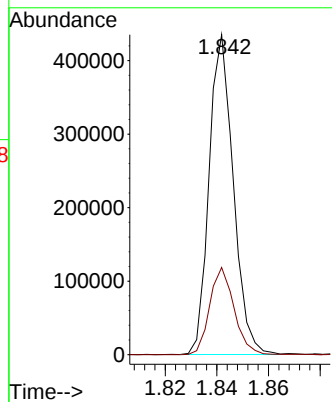
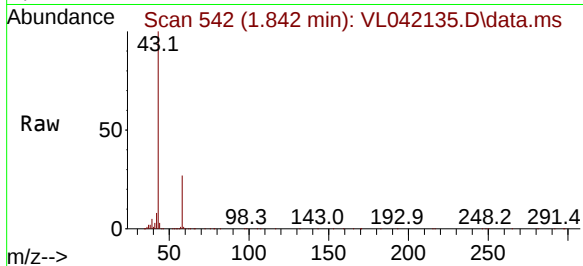




#15
Acetone
Concen: 20.553 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

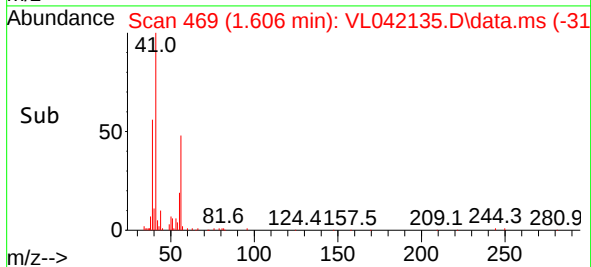
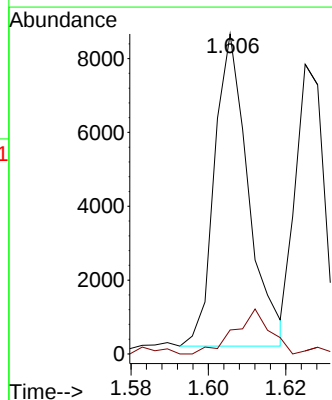
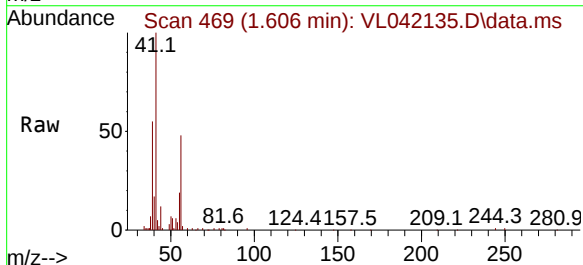
Instrument :
MSVOA_L
ClientSampleId :
SV1

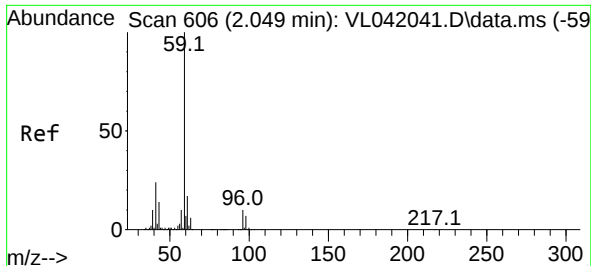
Tgt Ion: 43 Resp: 283161
Ion Ratio Lower Upper
43 100
58 27.6 20.7 31.1



#16
1,3-Butadiene
Concen: 0.800 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.010 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 39 Resp: 5128
Ion Ratio Lower Upper
39 100
54 18.7 59.6 89.4#





#17

tert-Butyl alcohol

Concen: 0.393 ppbv

RT: 2.049 min Scan# 606

Delta R.T. -0.000 min

Lab File: VL042135.D

Acq: 10 Mar 2025 20:35

Instrument :

MSVOA_L

ClientSampleId :

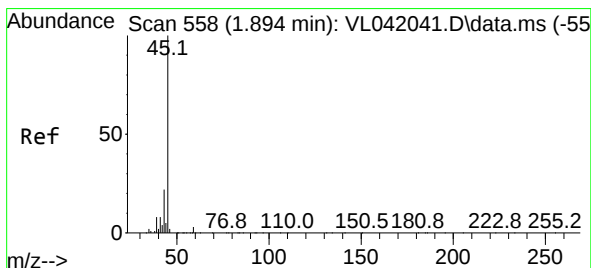
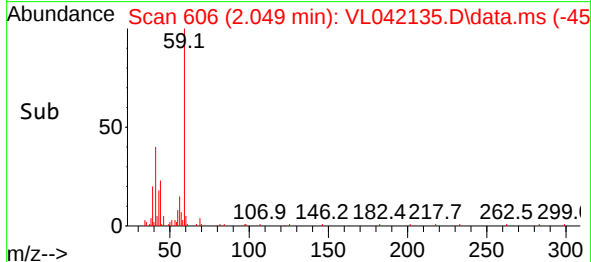
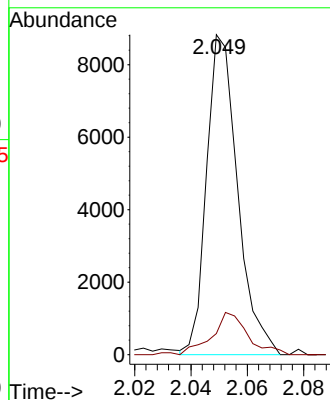
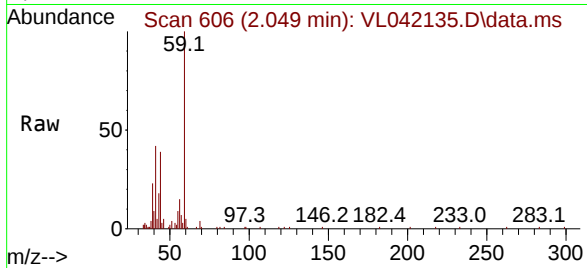
SV1

Tgt Ion: 59 Resp: 6767

Ion Ratio Lower Upper

59 100

57 15.3 9.3 13.9#



#19

Isopropyl Alcohol

Concen: 2.611 ppbv

RT: 1.894 min Scan# 558

Delta R.T. -0.000 min

Lab File: VL042135.D

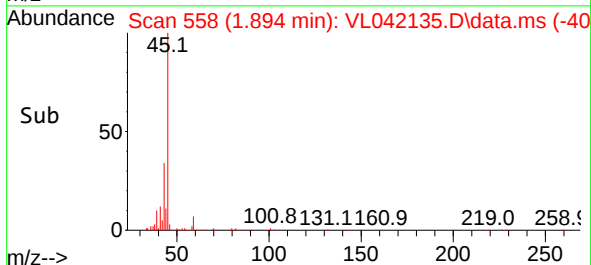
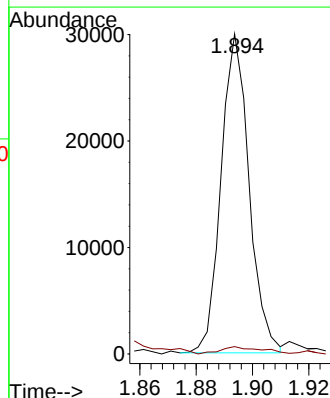
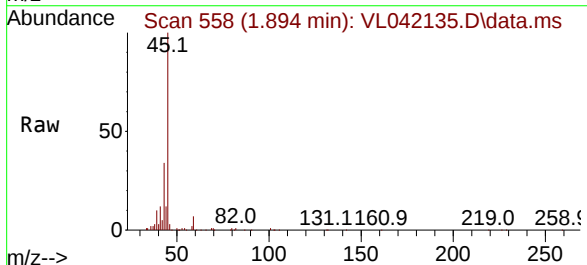
Acq: 10 Mar 2025 20:35

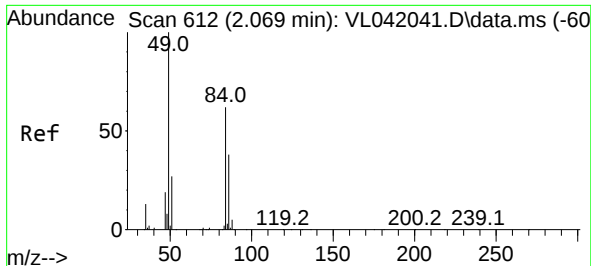
Tgt Ion: 45 Resp: 20661

Ion Ratio Lower Upper

45 100

58 377.7 35.3 52.9#





#20

Methylene Chloride

Concen: 0.399 ppbv

RT: 2.068 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL042135.D

Acq: 10 Mar 2025 20:35

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 84 Resp: 2081

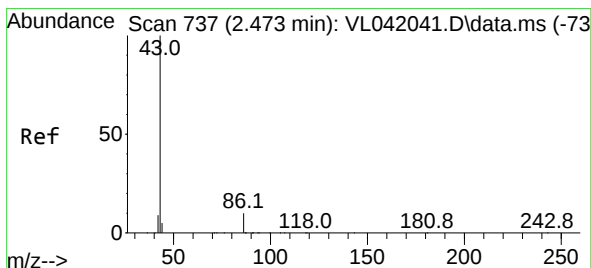
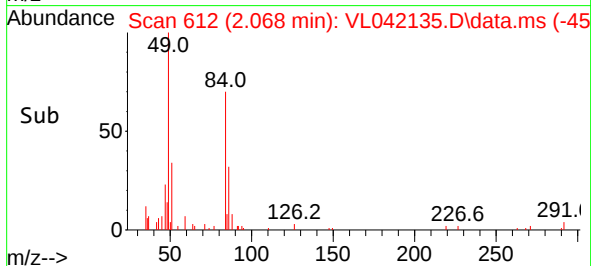
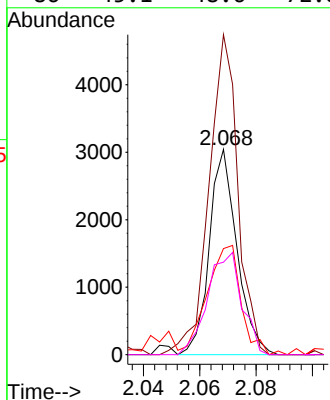
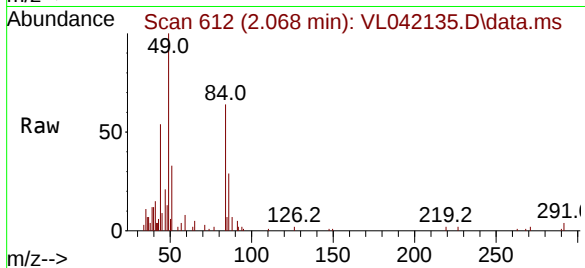
Ion Ratio Lower Upper

84 100

49 155.9 130.0 195.0

51 49.9 37.4 56.0

86 45.1 48.6 72.8#



#23

Vinyl Acetate

Concen: 1.674 ppbv

RT: 2.483 min Scan# 740

Delta R.T. 0.010 min

Lab File: VL042135.D

Acq: 10 Mar 2025 20:35

Tgt Ion: 43 Resp: 16221

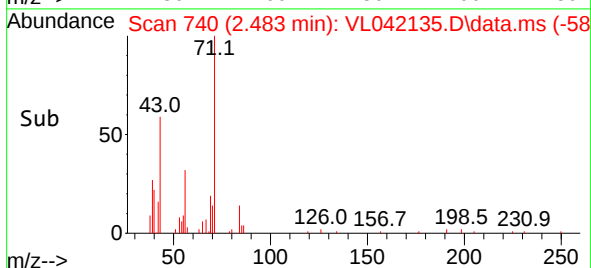
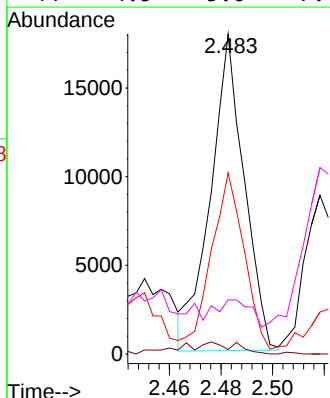
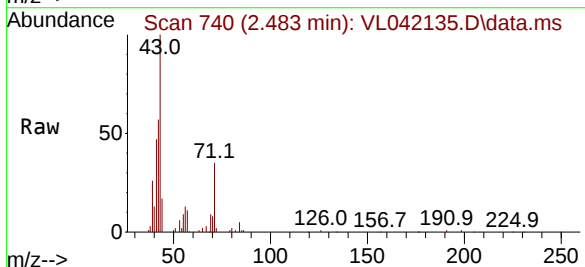
Ion Ratio Lower Upper

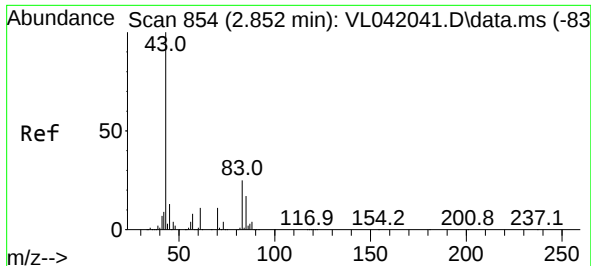
43 100

86 1.4 7.0 10.4#

42 55.5 7.6 11.4#

44 4.5 5.0 7.4#

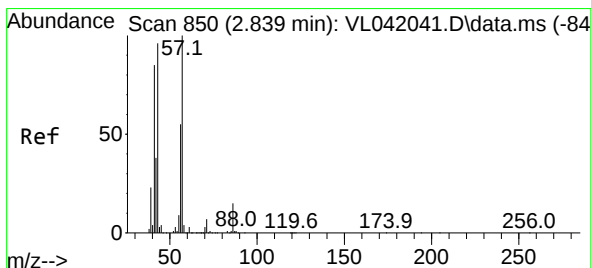
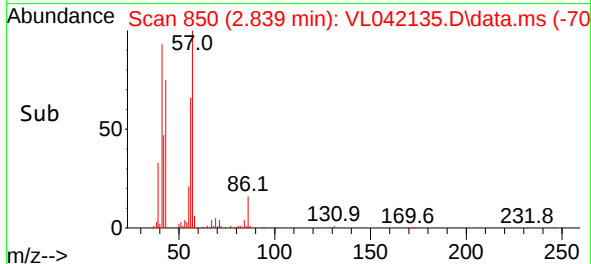
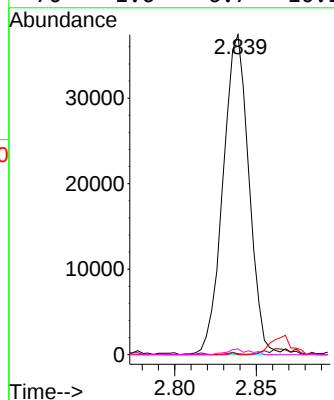
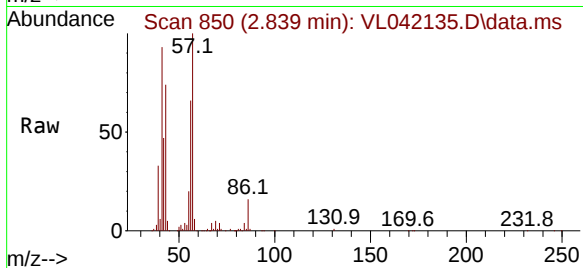




#25
Ethyl Acetate
Concen: 0.749 ppbv
RT: 2.839 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

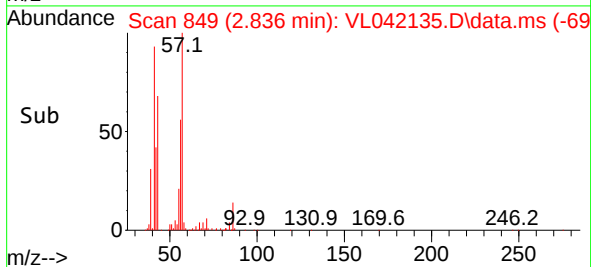
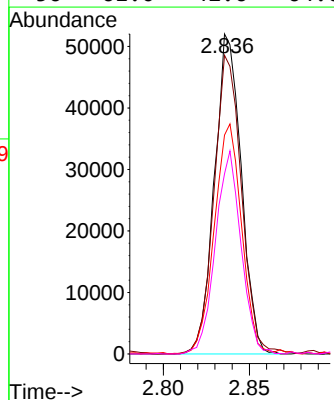
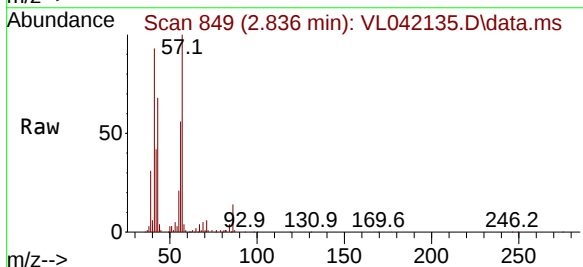
Instrument :
MSVOA_L
ClientSampleId :
SV1

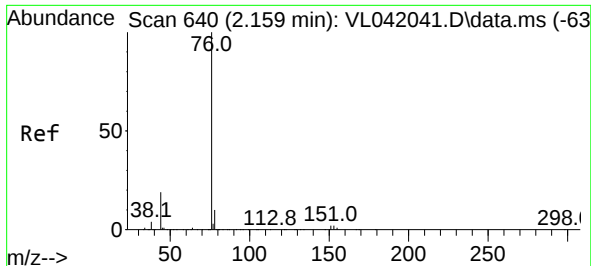
Tgt Ion:	43	Resp:	41315
Ion	Ratio	Lower	Upper
43	100		
45	2.6	8.1	12.1#
61	5.0	7.2	10.8#
70	1.6	6.7	10.1#



#26
Hexane
Concen: 2.526 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion:	57	Resp:	56304
Ion	Ratio	Lower	Upper
57	100		
41	96.1	70.6	106.0
43	73.9	199.4	299.0#
56	61.0	42.6	64.0

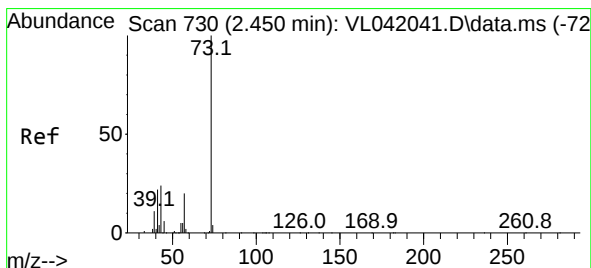
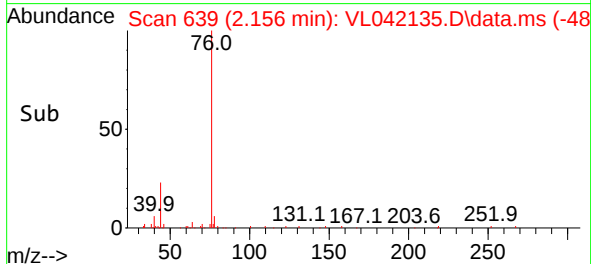
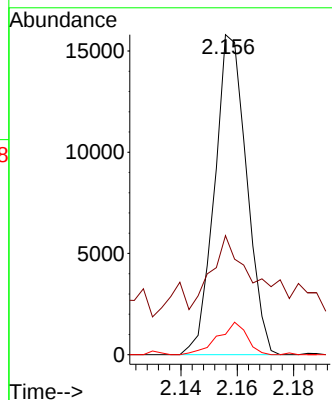
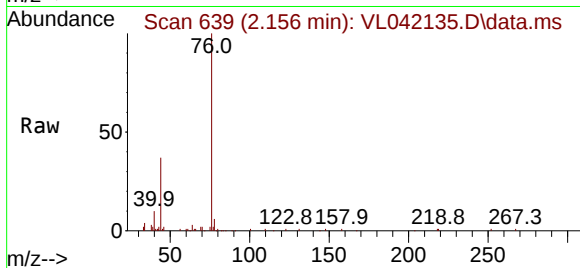




#27
Carbon Disulfide
Concen: 0.826 ppbv
RT: 2.156 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

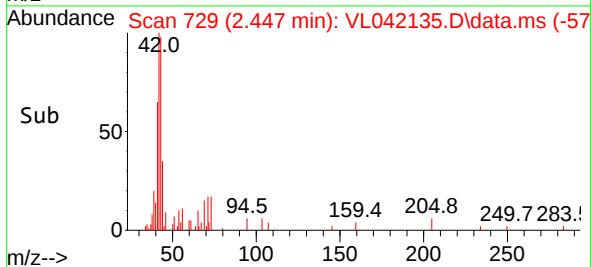
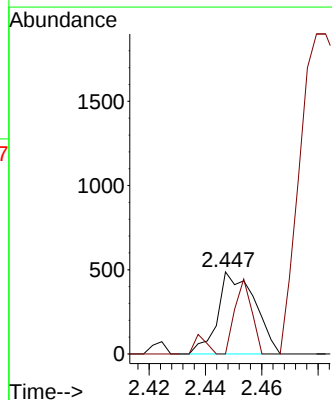
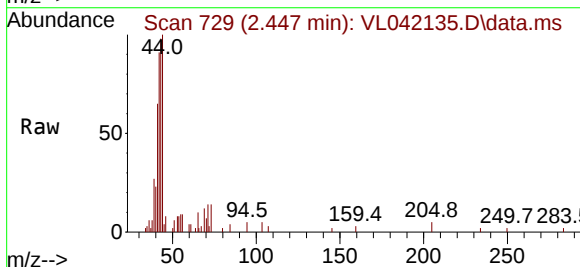
Instrument :
MSVOA_L
ClientSampleId :
SV1

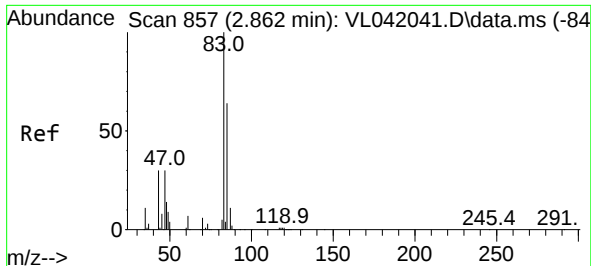
Tgt Ion: 76 Resp: 12486
Ion Ratio Lower Upper
76 100
44 55.0 16.2 24.2#
78 9.7 9.4 14.0



#28
Methyl tert-Butyl Ether
Concen: 0.040 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 73 Resp: 444
Ion Ratio Lower Upper
73 100
57 566.9 17.7 26.5#





#29

Chloroform

Concen: 0.040 ppbv

RT: 2.858 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042135.D

Acq: 10 Mar 2025 20:35

Instrument :

MSVOA_L

ClientSampleId :

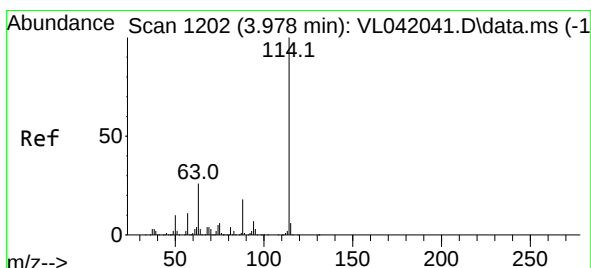
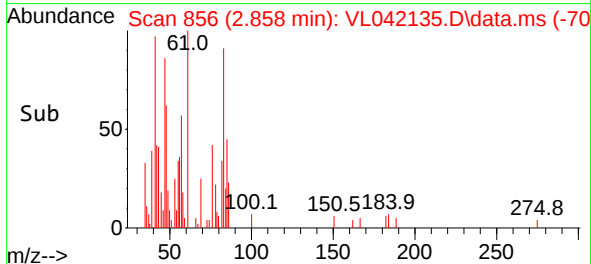
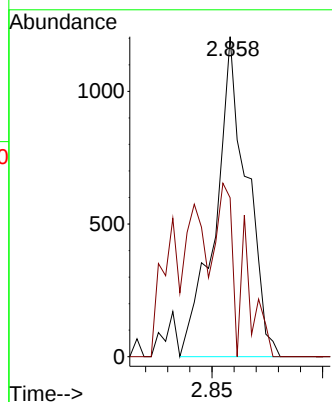
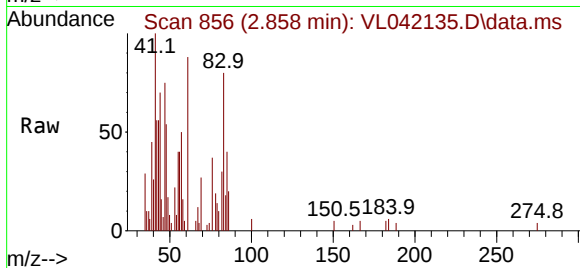
SV1

Tgt Ion: 83 Resp: 1193

Ion Ratio Lower Upper

83 100

85 49.7 51.2 76.8#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1201

Delta R.T. -0.003 min

Lab File: VL042135.D

Acq: 10 Mar 2025 20:35

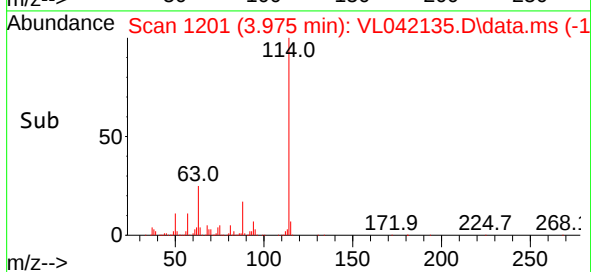
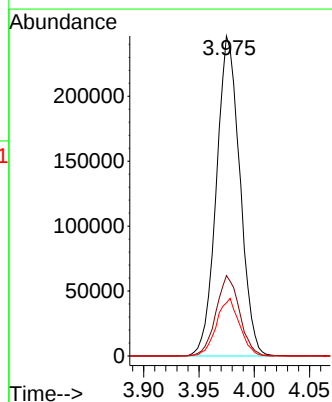
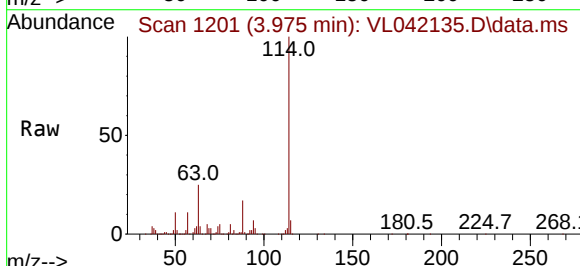
Tgt Ion: 114 Resp: 363367

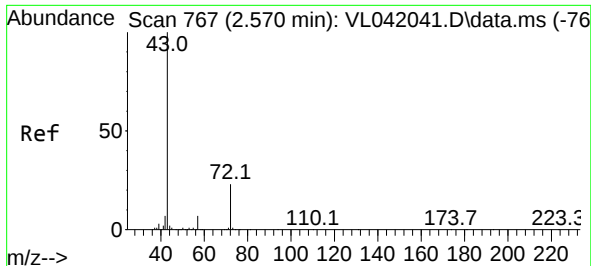
Ion Ratio Lower Upper

114 100

63 25.3 20.1 30.1

88 17.7 14.3 21.5

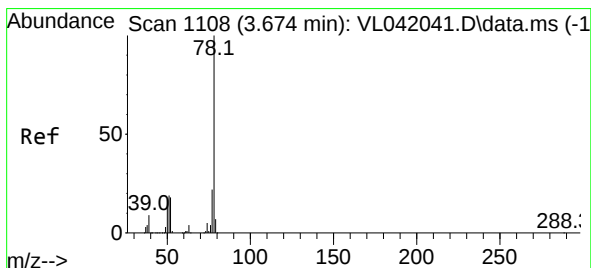
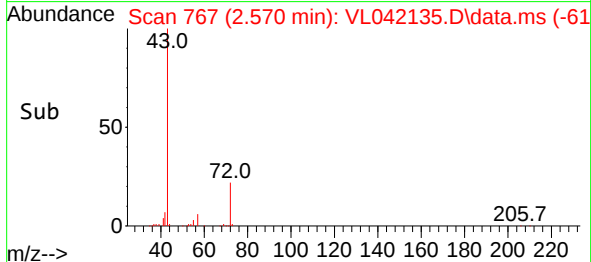
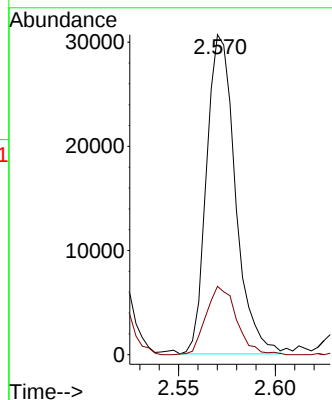
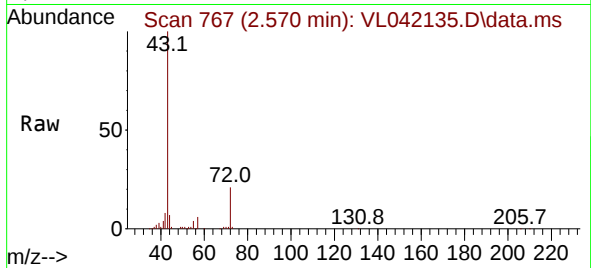




#34
2-Butanone
Concen: 1.121 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

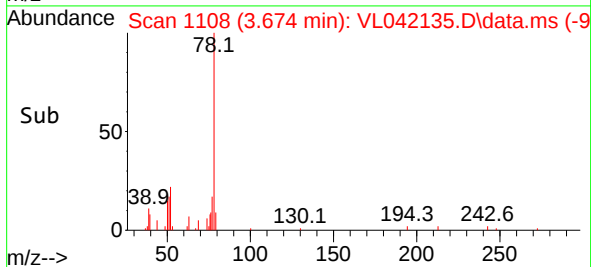
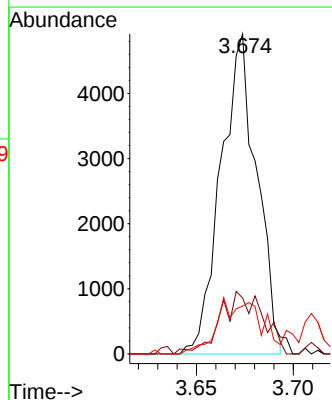
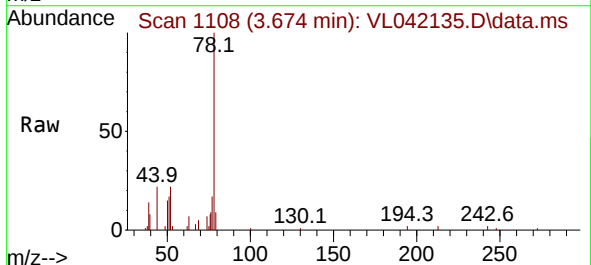
Instrument :
MSVOA_L
ClientSampleId :
SV1

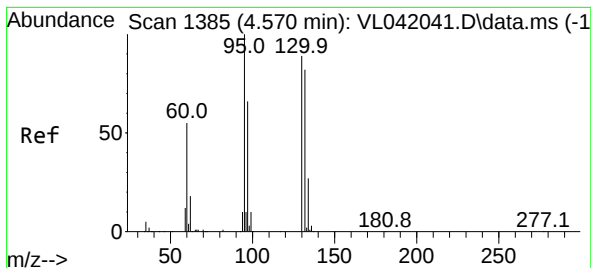
Tgt Ion: 43 Resp: 31746
Ion Ratio Lower Upper
43 100
72 22.7 18.5 27.7



#36
Benzene
Concen: 0.166 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 78 Resp: 6330
Ion Ratio Lower Upper
78 100
77 15.9 17.7 26.5#
50 14.9 13.9 20.9





#38

Trichloroethene

Concen: 0.069 ppbv

RT: 4.570 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL042135.D

Acq: 10 Mar 2025 20:35

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:130 Resp: 1076

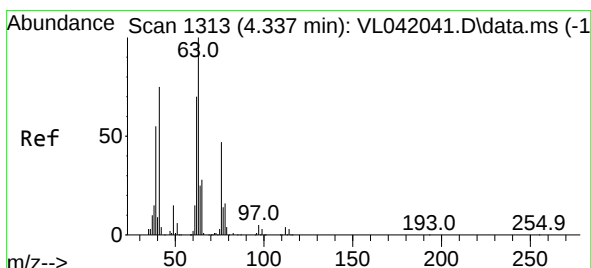
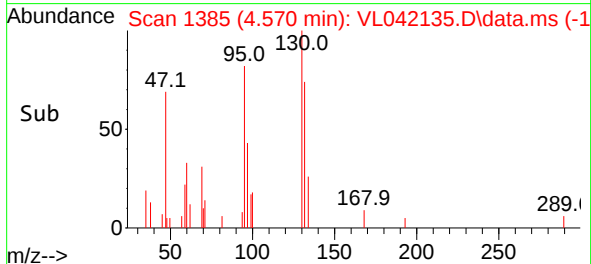
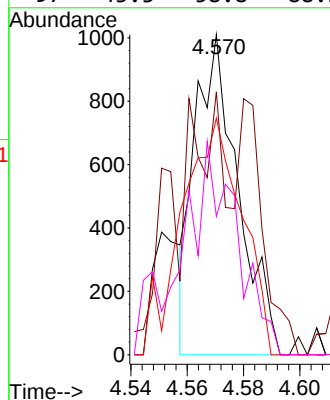
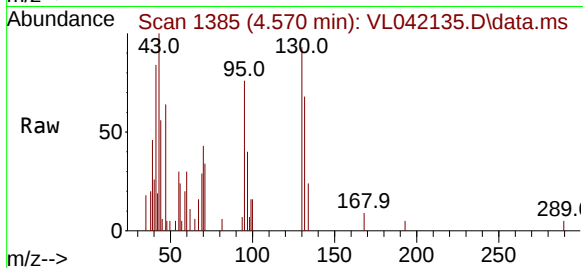
Ion Ratio Lower Upper

130 100

95 67.9 89.5 134.3#

132 74.0 73.8 110.6

97 43.3 58.8 88.2#



#39

1,2-Dichloropropane

Concen: 6.342 ppbv

RT: 3.975 min Scan# 1201

Delta R.T. -0.363 min

Lab File: VL042135.D

Acq: 10 Mar 2025 20:35

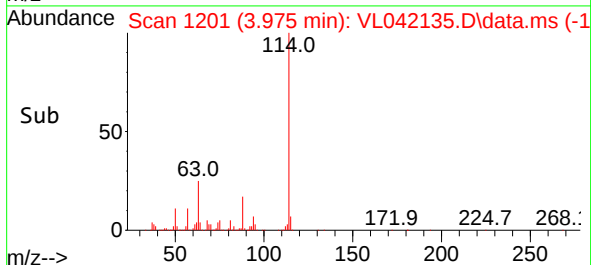
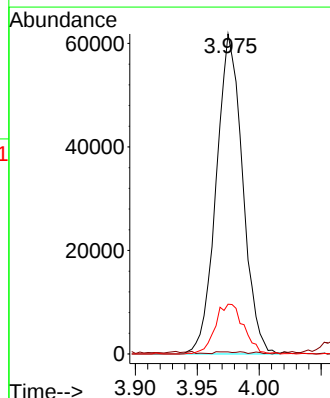
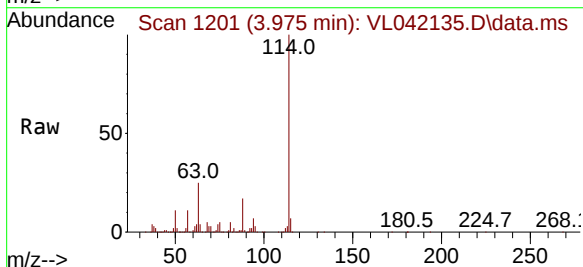
Tgt Ion: 63 Resp: 91561

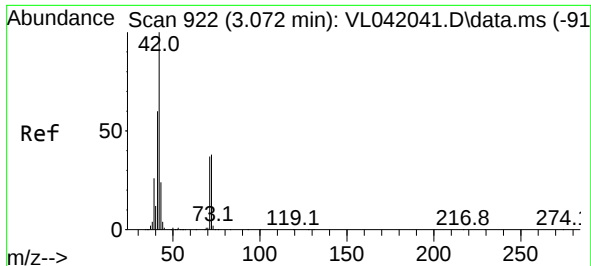
Ion Ratio Lower Upper

63 100

41 0.5 60.1 90.1#

62 15.6 55.8 83.8#

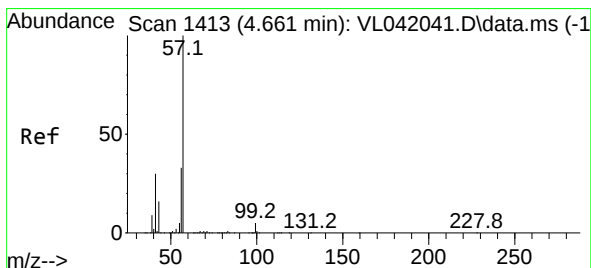
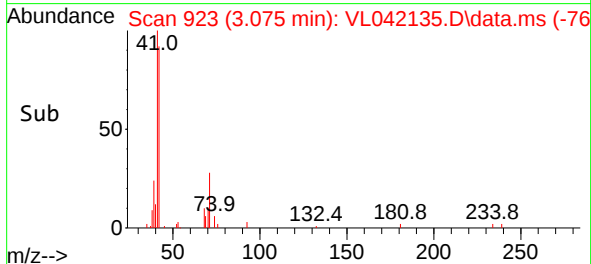
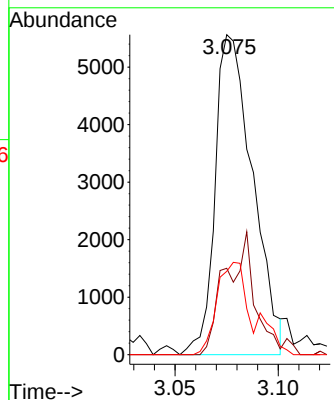
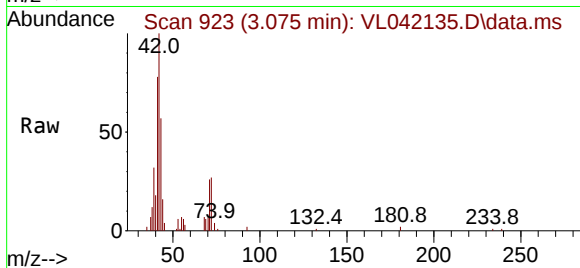




#41
Tetrahydrofuran
Concen: 0.420 ppbv
RT: 3.075 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

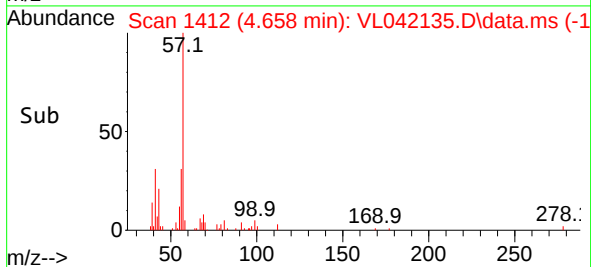
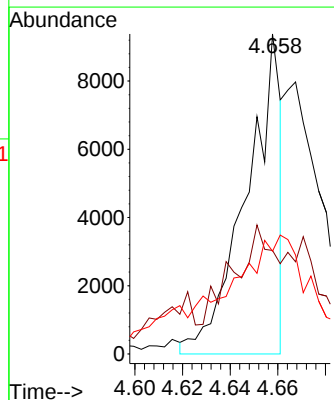
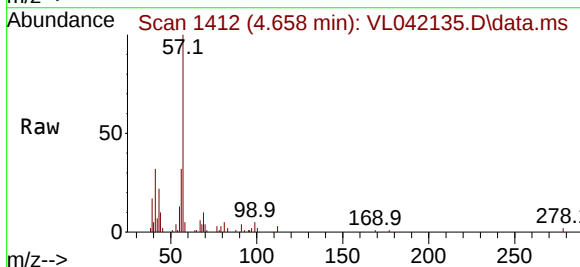
Instrument :
MSVOA_L
ClientSampleId :
SV1

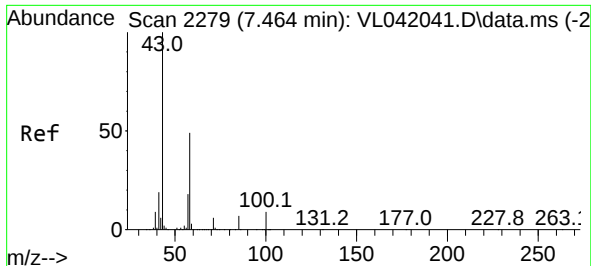
Tgt Ion: 42 Resp: 7030
Ion Ratio Lower Upper
42 100
72 31.4 30.2 45.2
71 27.6 28.2 42.4#



#44
2,2,4-Trimethylpentane
Concen: 0.141 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 57 Resp: 9457
Ion Ratio Lower Upper
57 100
41 116.0 24.4 36.6#
56 108.3 26.5 39.7#

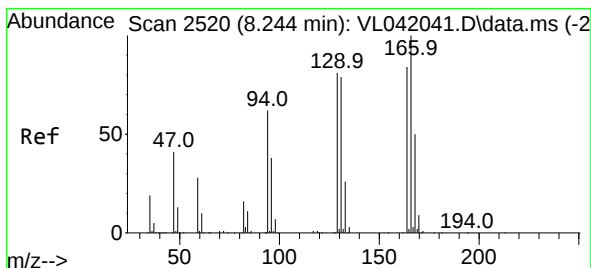
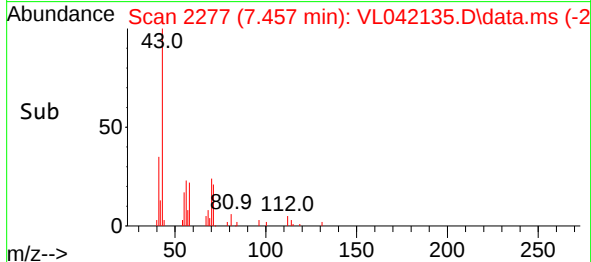
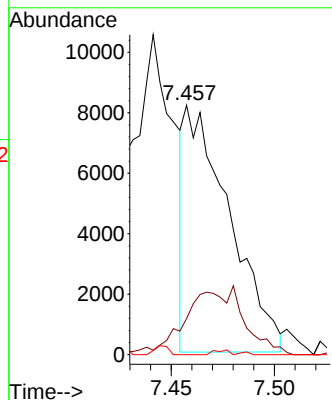
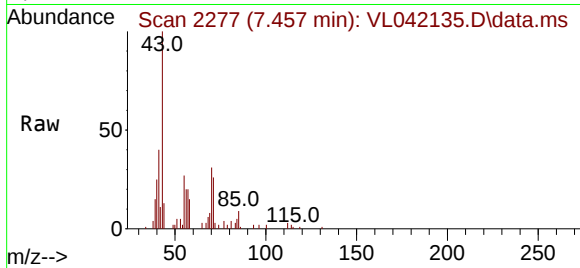




#51
2-Hexanone
Concen: 0.490 ppbv
RT: 7.457 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

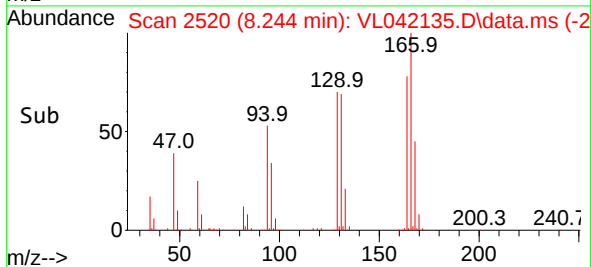
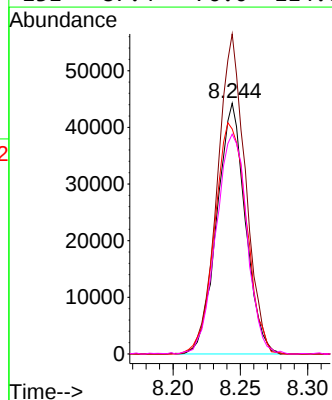
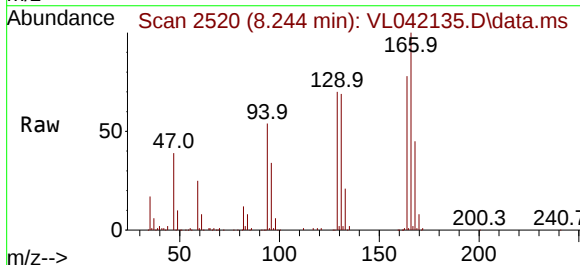
Instrument :
MSVOA_L
ClientSampleId :
SV1

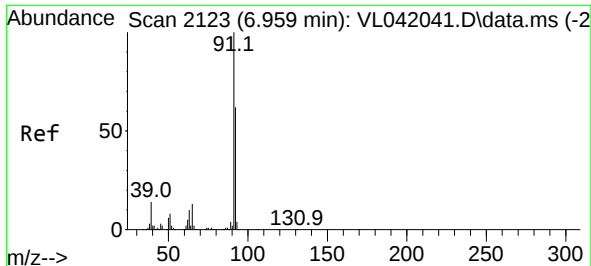
Tgt Ion: 43 Resp: 12338
Ion Ratio Lower Upper
43 100
58 34.9 39.0 58.6#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 5.005 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 164 Resp: 65181
Ion Ratio Lower Upper
164 100
166 127.6 95.7 143.5
129 89.6 77.1 115.7
131 87.4 76.0 114.0

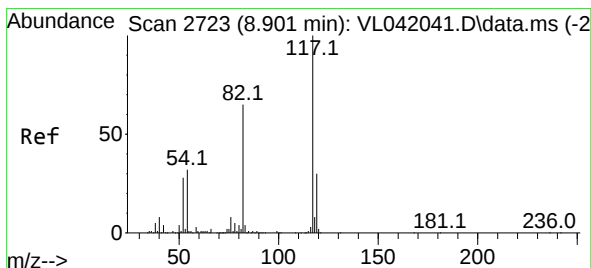
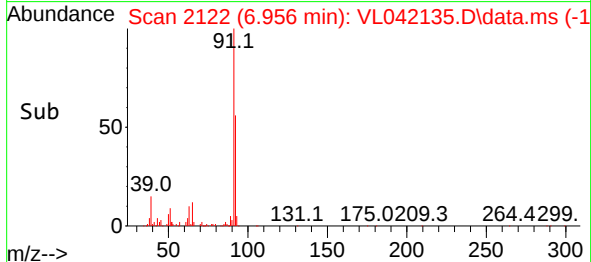
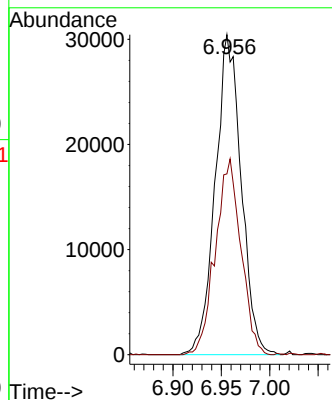
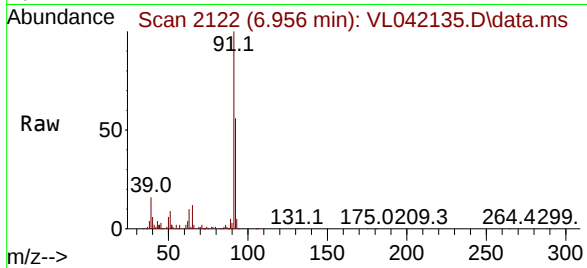




#53
Toluene
Concen: 1.334 ppbv
RT: 6.956 min Scan# 2123
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

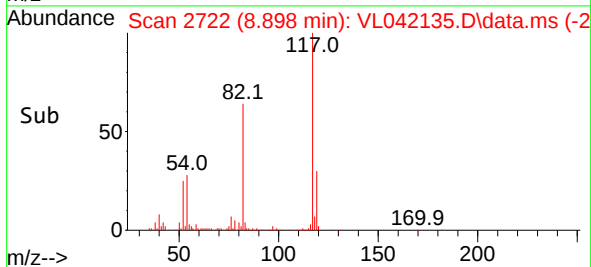
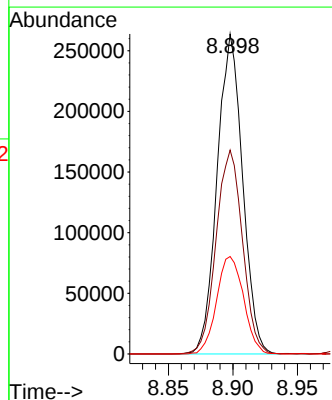
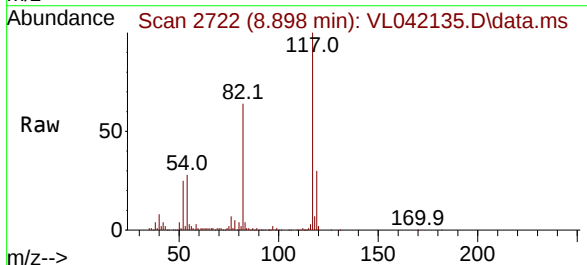
Instrument :
MSVOA_L
ClientSampleId :
SV1

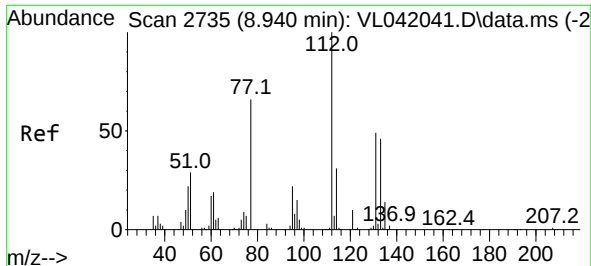
Tgt Ion: 91 Resp: 56731
Ion Ratio Lower Upper
91 100
92 60.5 49.0 73.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 117 Resp: 361132
Ion Ratio Lower Upper
117 100
82 66.1 55.0 82.6
119 32.2 25.9 38.9

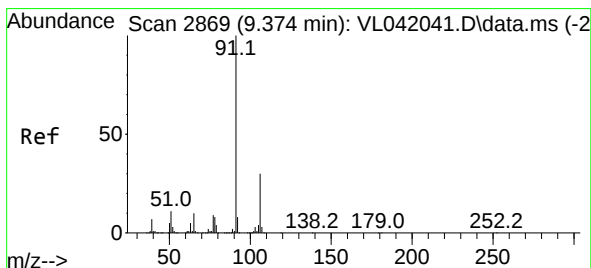
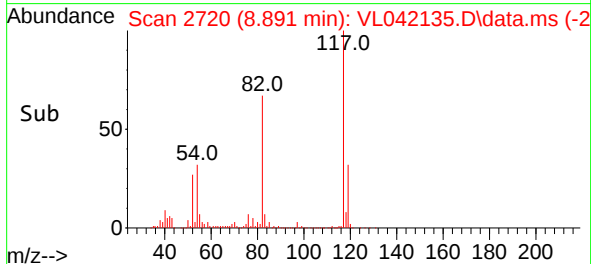
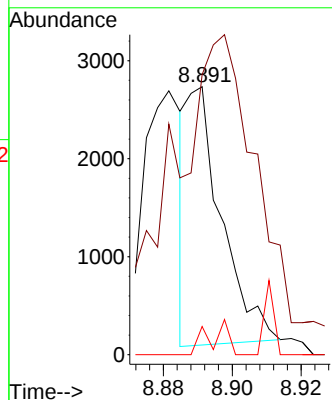
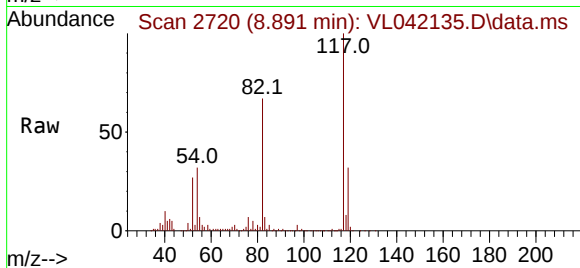




#57
Chlorobenzene
Concen: 0.049 ppbv
RT: 8.891 min Scan# 21
Delta R.T. -0.049 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

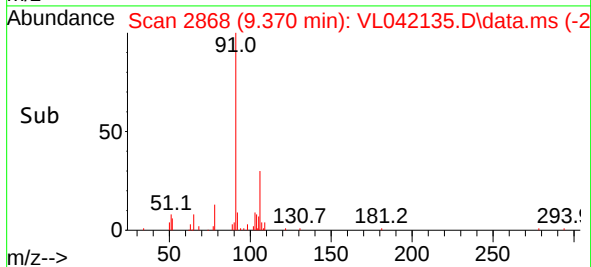
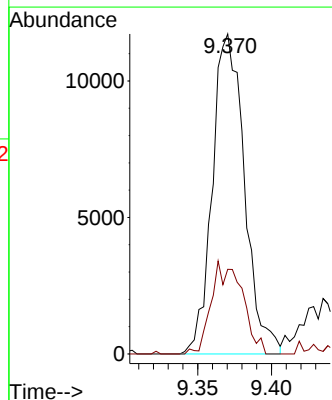
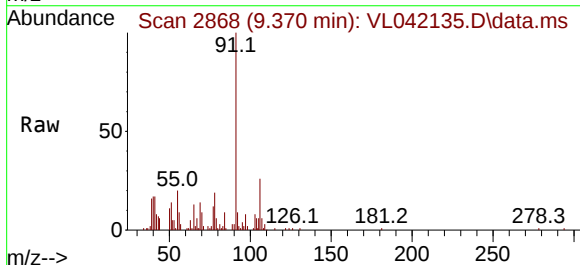
Instrument :
MSVOA_L
ClientSampleId :
SV1

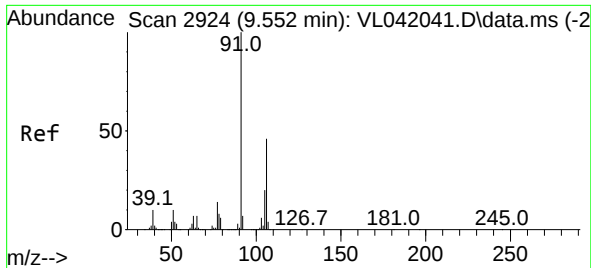
Tgt Ion:112 Resp: 1834
Ion Ratio Lower Upper
112 100
77 67.4 53.4 80.2
114 11.1 28.3 34.5#



#58
Ethyl Benzene
Concen: 0.267 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 91 Resp: 17744
Ion Ratio Lower Upper
91 100
106 26.5 24.2 36.2

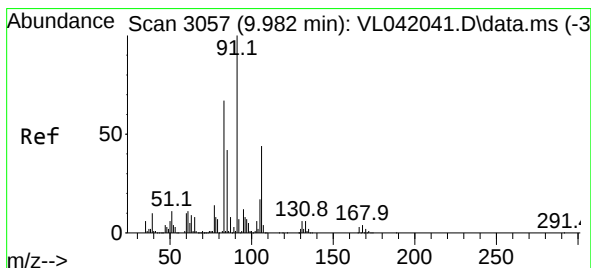
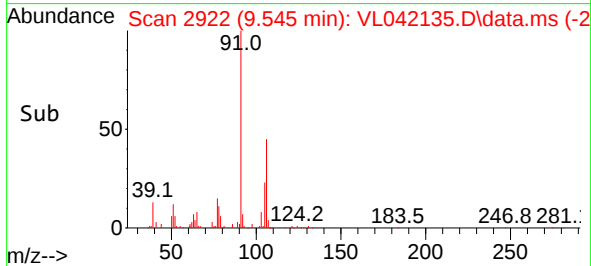
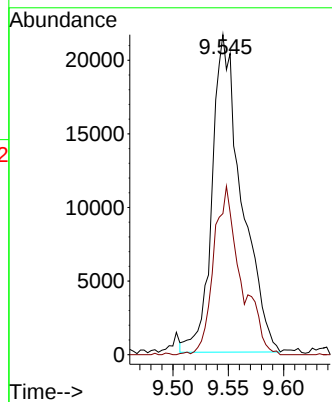
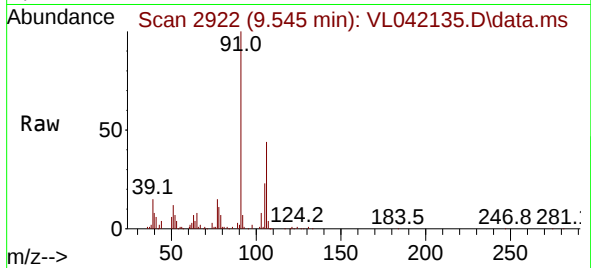




#59
m/p-Xylene
Concen: 0.759 ppbv
RT: 9.545 min Scan# 2924
Delta R.T. -0.007 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

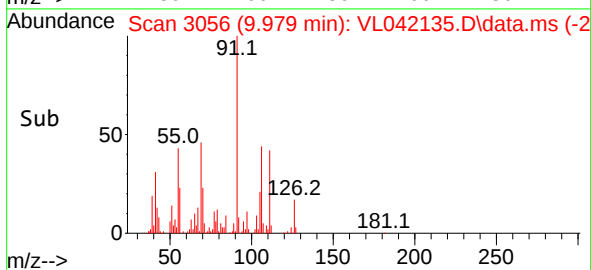
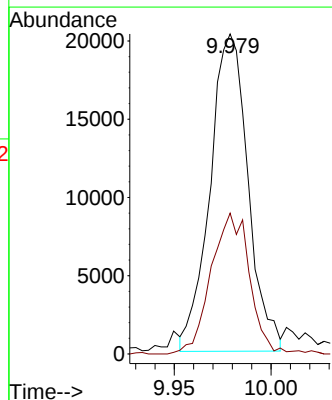
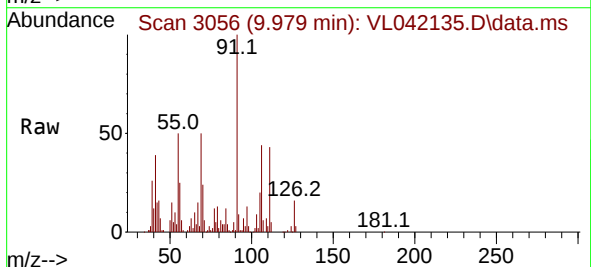
Instrument :
MSVOA_L
ClientSampleId :
SV1

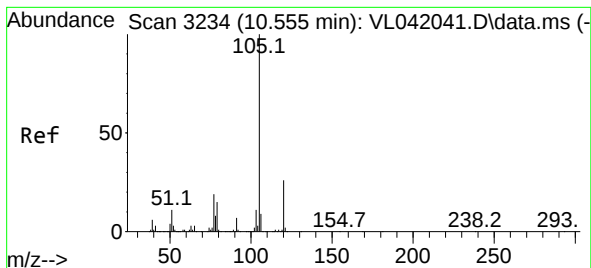
Tgt Ion: 91 Resp: 40168
Ion Ratio Lower Upper
91 100
106 48.9 0.0 0.0#



#60
o-Xylene
Concen: 0.521 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 91 Resp: 27711
Ion Ratio Lower Upper
91 100
106 45.6 22.3 66.8





#62

Isopropylbenzene

Concen: 0.092 ppbv

RT: 10.552 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL042135.D

Acq: 10 Mar 2025 20:35

Instrument :

MSVOA_L

ClientSampleId :

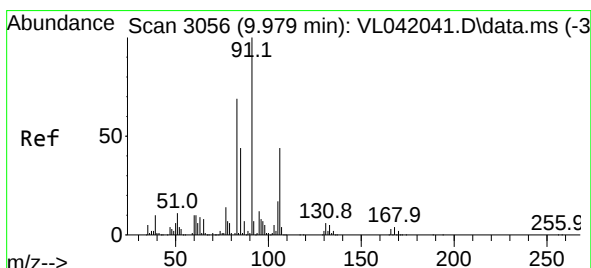
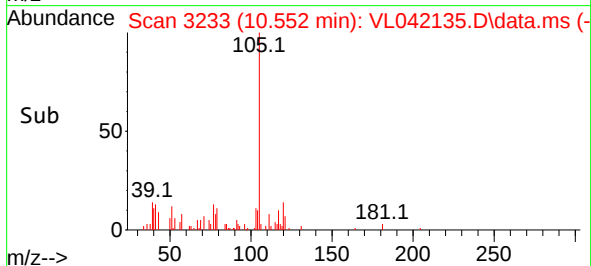
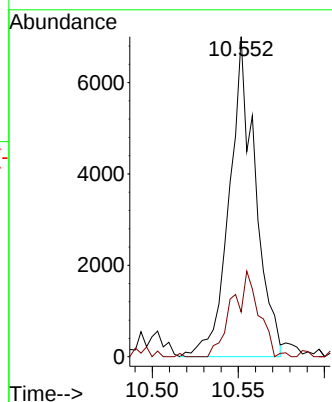
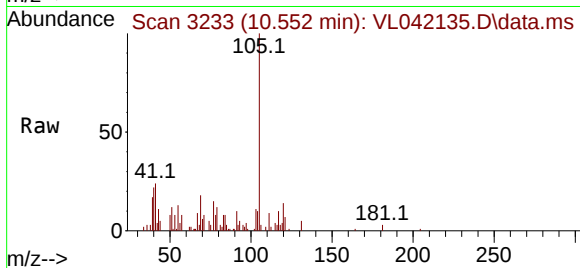
SV1

Tgt Ion:105 Resp: 7355

Ion Ratio Lower Upper

105 100

120 27.6 20.7 31.1



#63

1,1,2,2-Tetrachloroethane

Concen: 0.156 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.013 min

Lab File: VL042135.D

Acq: 10 Mar 2025 20:35

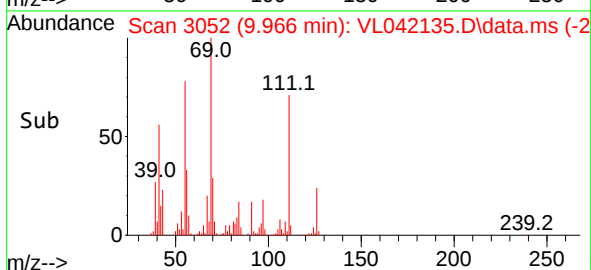
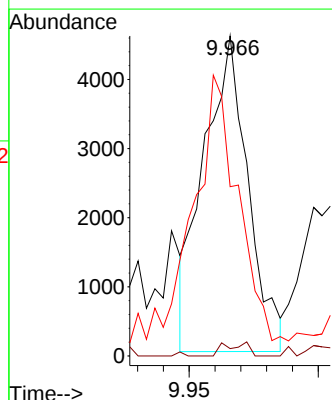
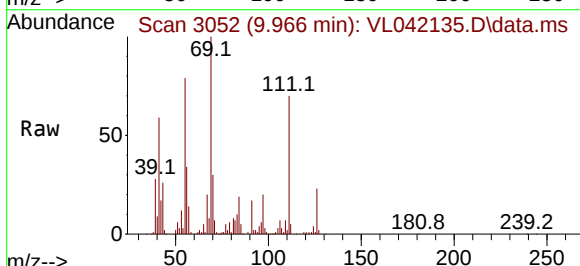
Tgt Ion: 83 Resp: 5469

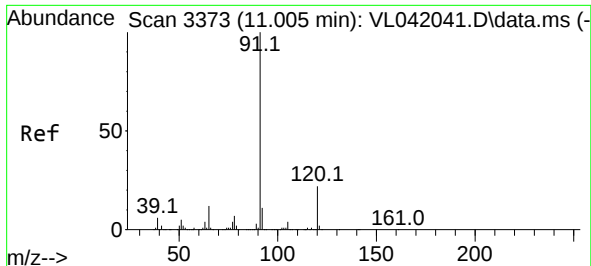
Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

85 86.1 32.1 96.3

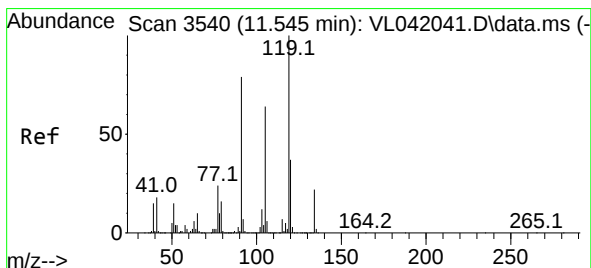
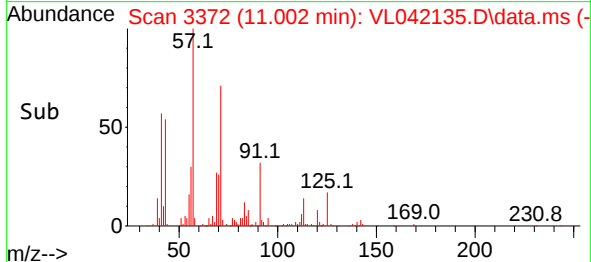
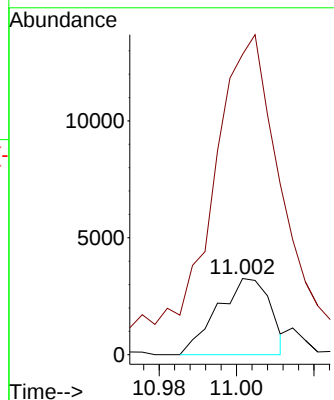
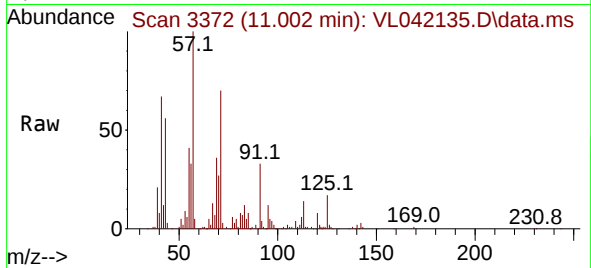




#64
n-propylbenzene
Concen: 0.148 ppbv
RT: 11.002 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

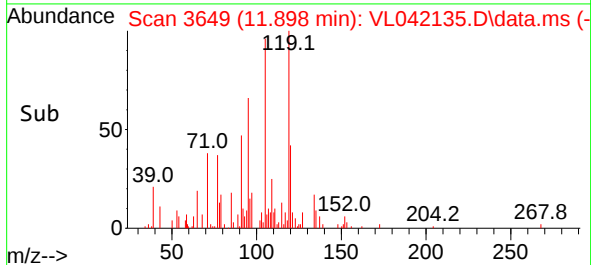
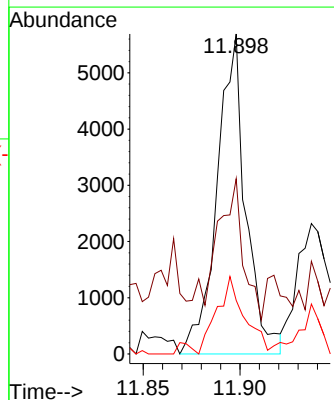
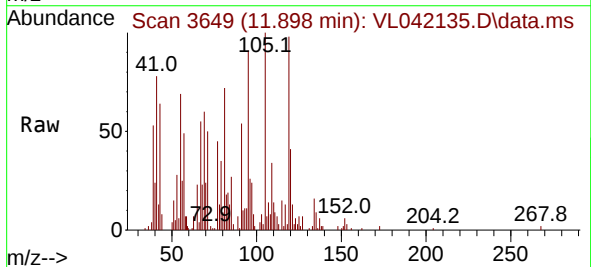
Instrument :
MSVOA_L
ClientSampleId :
SV1

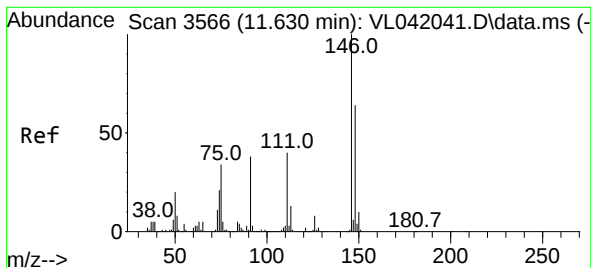
Tgt Ion:120 Resp: 3094
Ion Ratio Lower Upper
120 100
91 580.1 370.6 556.0#



#65
tert-Butylbenzene
Concen: 0.081 ppbv
RT: 11.898 min Scan# 3649
Delta R.T. 0.353 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion:119 Resp: 5856
Ion Ratio Lower Upper
119 100
91 73.2 64.2 96.2
134 25.0 17.4 26.2

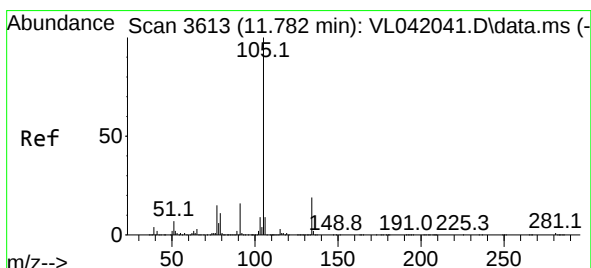
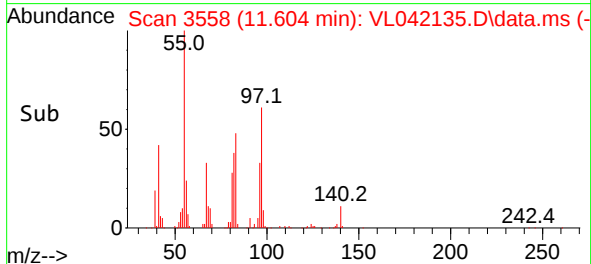
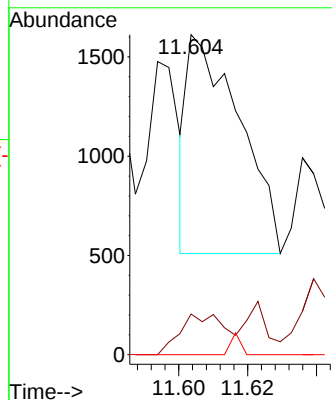
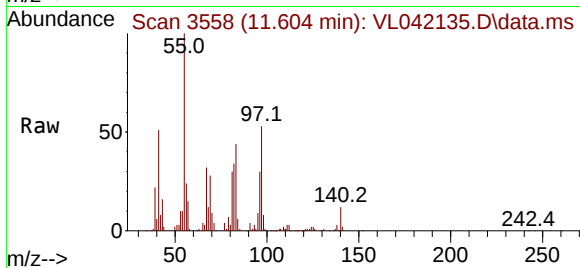




#66
Benzyl Chloride
Concen: 0.210 ppbv
RT: 11.604 min Scan# 311
Delta R.T. -0.026 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

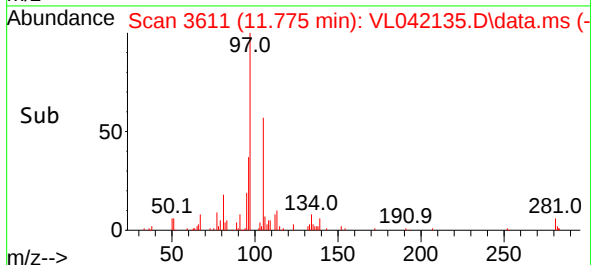
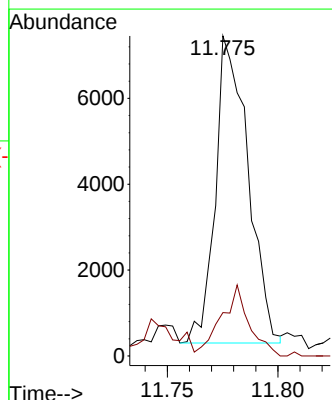
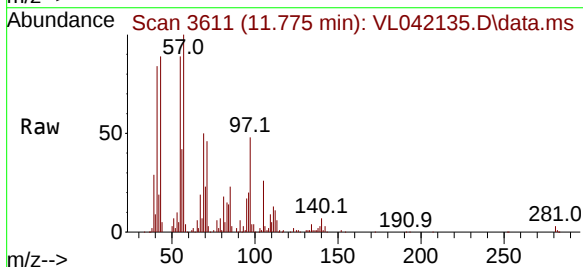
Instrument :
MSVOA_L
ClientSampleId :
SV1

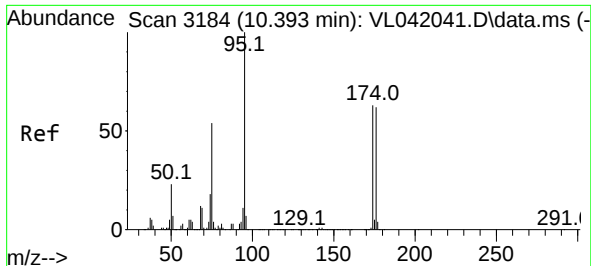
Tgt Ion: 91 Resp: 1162
Ion Ratio Lower Upper
91 100
126 26.2 14.5 21.7#
128 0.0 5.4 8.2#



#67
sec-Butylbenzene
Concen: 0.070 ppbv
RT: 11.775 min Scan# 3611
Delta R.T. -0.007 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 105 Resp: 7304
Ion Ratio Lower Upper
105 100
134 20.0 14.9 22.3

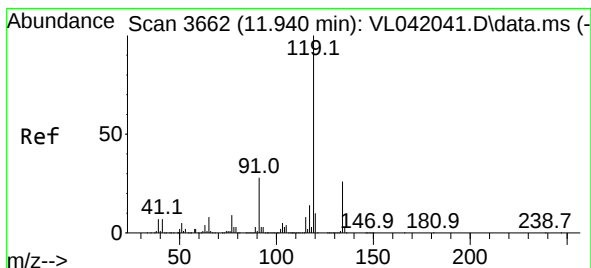
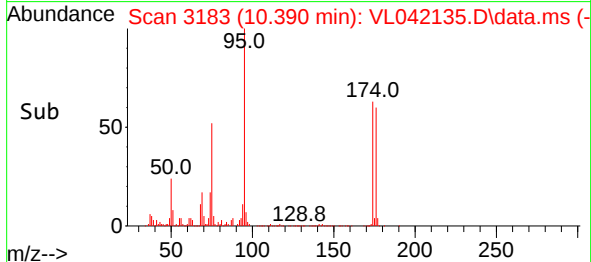
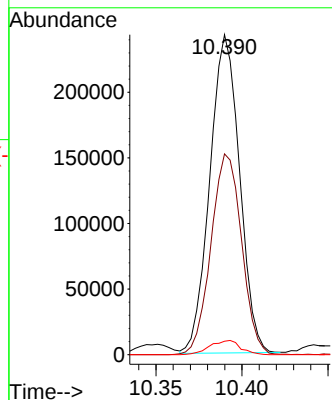
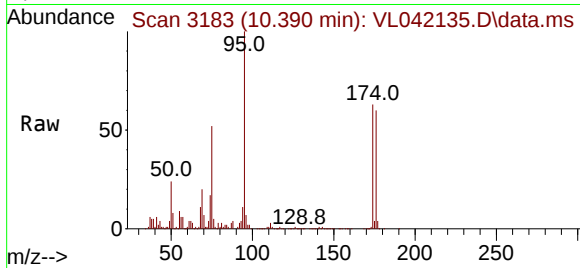




#68
1-Bromo-4-Fluorobenzene
Concen: 10.494 ppbv
RT: 10.390 min Scan# 3184
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

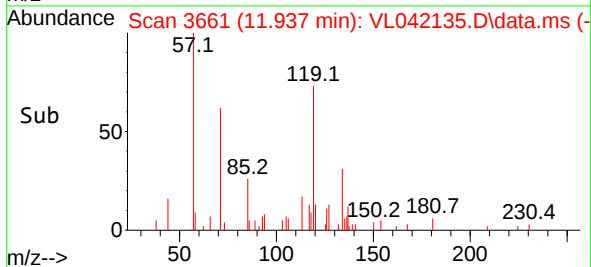
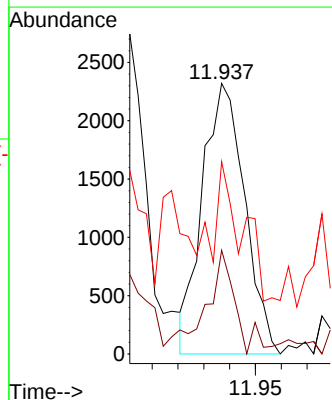
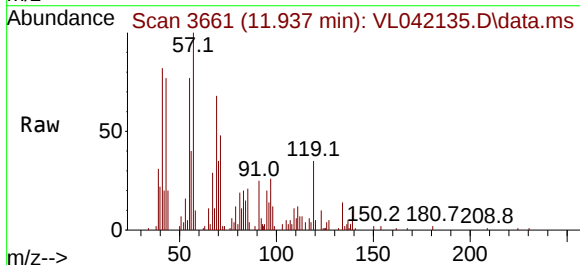
Instrument :
MSVOA_L
ClientSampleId :
SV1

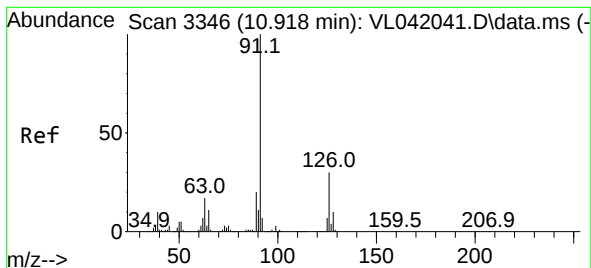
Tgt Ion: 95 Resp: 291547
Ion Ratio Lower Upper
95 100
174 65.0 51.8 77.6
175 4.6 3.9 5.9



#69
p-Isopropyltoluene
Concen: 0.032 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 119 Resp: 2650
Ion Ratio Lower Upper
119 100
134 31.2 20.9 31.3
91 103.7 23.1 34.7#

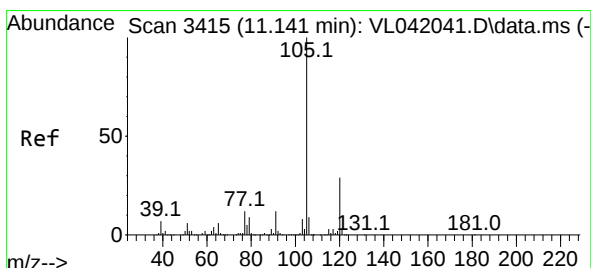
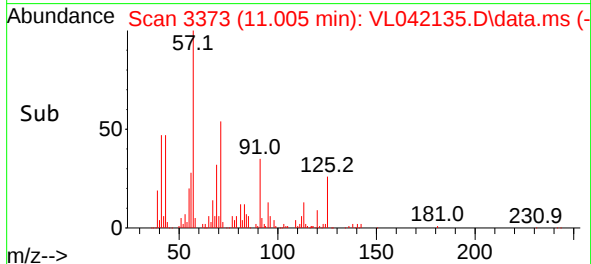
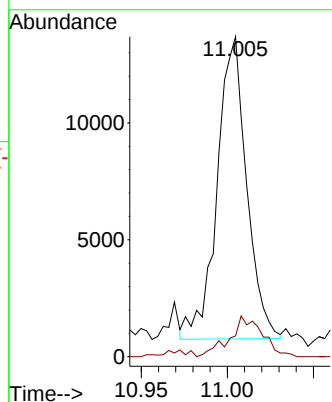
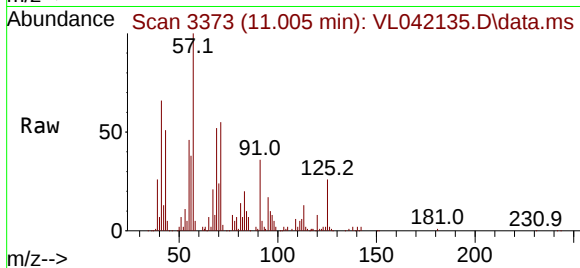




#71
2-Chlorotoluene
Concen: 0.251 ppbv
RT: 11.005 min Scan# 311
Delta R.T. 0.087 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

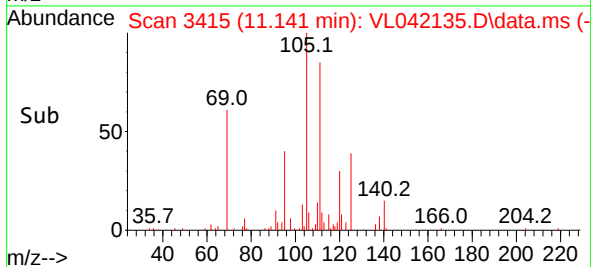
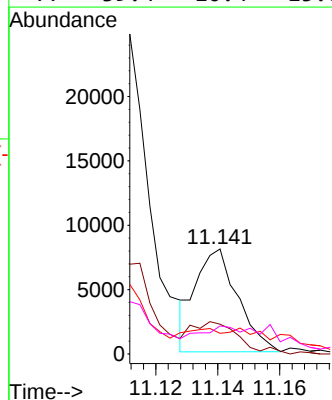
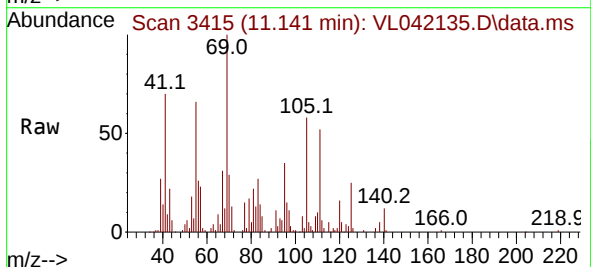
Instrument :
MSVOA_L
ClientSampleId :
SV1

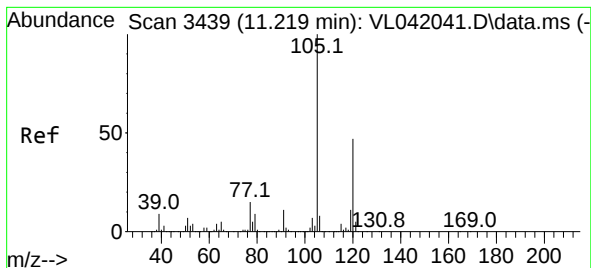
Tgt Ion: 91 Resp: 15433
Ion Ratio Lower Upper
91 100
126 16.6 11.9 47.5



#72
4-Ethyltoluene
Concen: 0.116 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion:105 Resp: 7561
Ion Ratio Lower Upper
105 100
120 0.0 24.1 36.1#
91 0.0 10.2 15.4#
77 39.4 10.4 15.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.432 ppbv

RT: 11.218 min Scan# 3439

Delta R.T. -0.000 min

Lab File: VL042135.D

Acq: 10 Mar 2025 20:35

Instrument :

MSVOA_L

ClientSampleId :

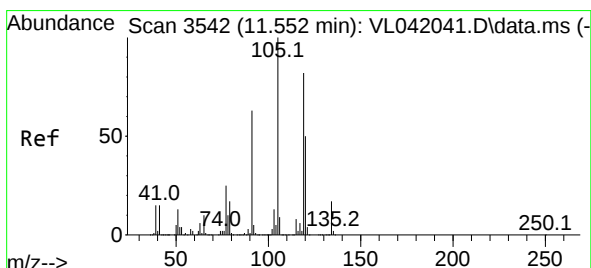
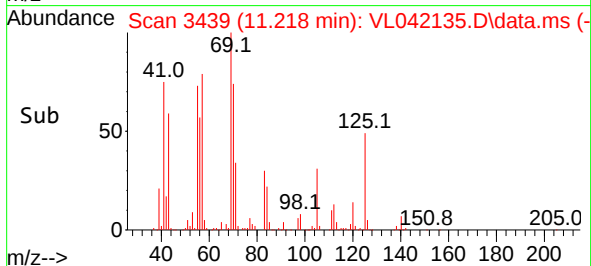
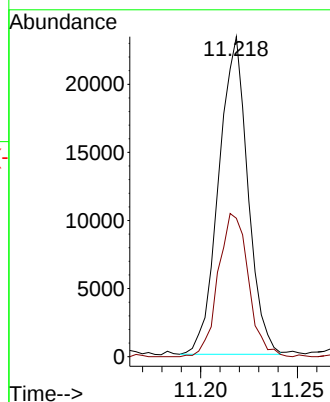
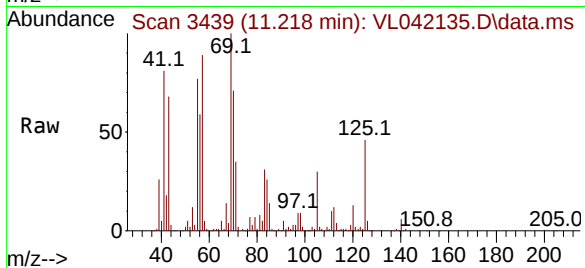
SV1

Tgt Ion:105 Resp: 24358

Ion Ratio Lower Upper

105 100

120 43.6 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 0.394 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042135.D

Acq: 10 Mar 2025 20:35

Tgt Ion:105 Resp: 25030

Ion Ratio Lower Upper

105 100

120 47.5 40.2 60.2

91 11.8 51.4 77.2#

77 11.3 20.1 30.1#

