

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042809.D
 Acq On : 04 Aug 2025 17:26
 Operator : SY/MD
 Sample : Q2750-10
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

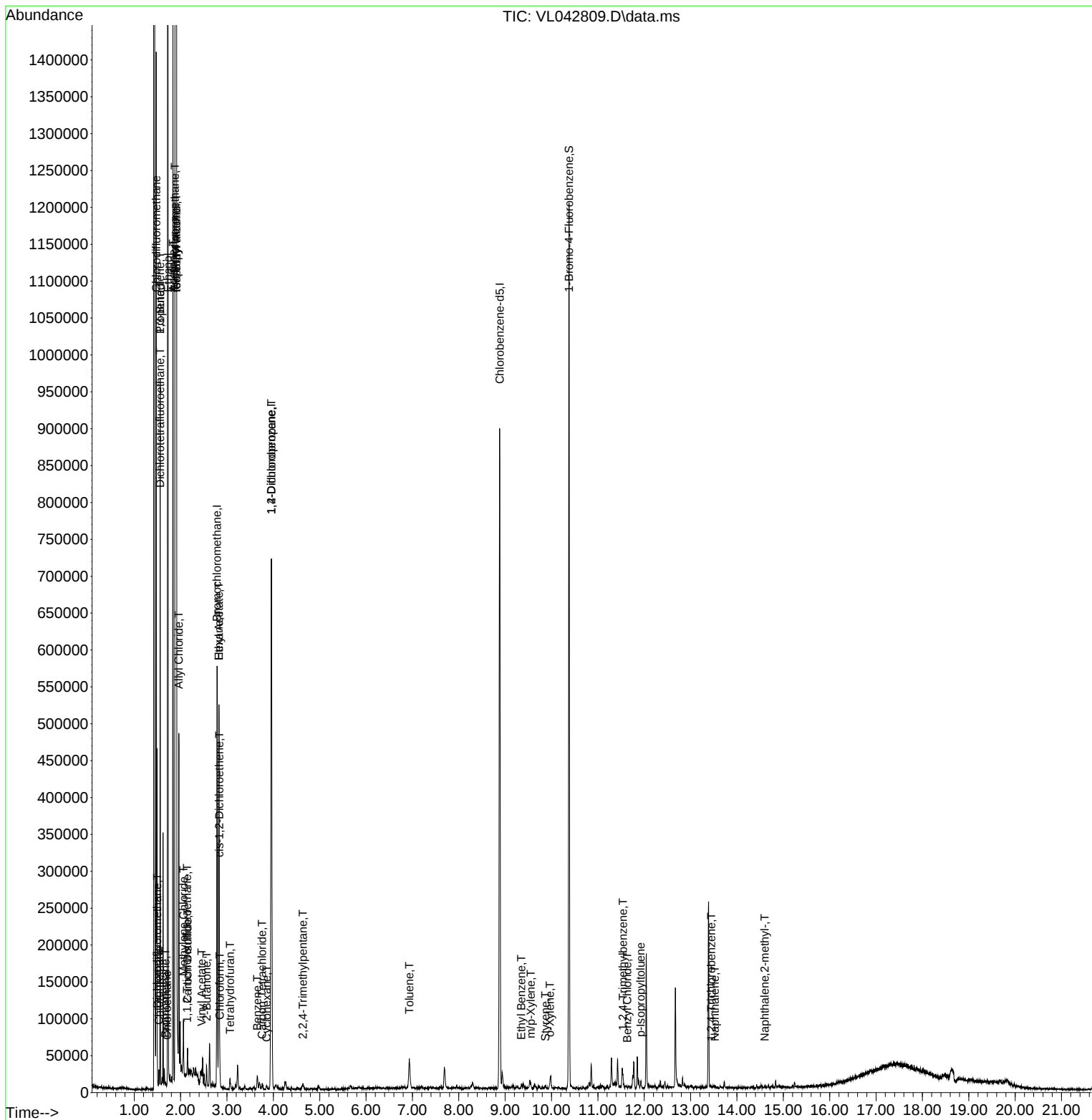
Quant Time: Aug 05 01:09:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

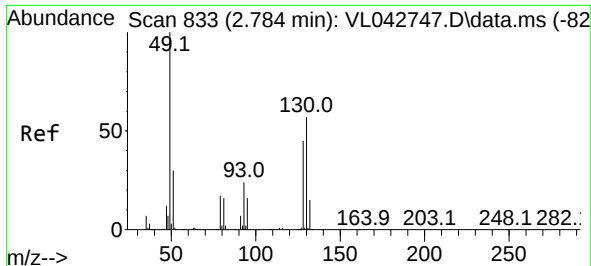
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	150888	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	424703	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	362958	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	287056	9.987	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	9872	0.495	ppbv	94
3) Chlorodifluoromethane	1.476	51	453101	17.435	ppbv	99
4) Chloromethane	1.531	50	4415	0.547	ppbv	89
6) Bromomethane	1.674	94	103	0.033	ppbv #	1
7) Chloroethane	1.706	64	133	0.043	ppbv #	72
8) Dichlorotetrafluoroethane	1.557	85	465	0.028	ppbv	100
9) Propene	1.560	41	101438	10.740	ppbv	99
11) Trichlorofluoromethane	1.877	101	5244	0.255	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.140	101	1198	0.077	ppbv	97
13) Ethanol	1.725	45	1447704	2103.892	ppbv	95
15) Acetone	1.835	43	652938	31.338	ppbv	100
16) 1,3-Butadiene	1.560	39	49276	5.545	ppbv #	17
17) tert-Butyl alcohol	1.907	59	1145583	60.964	ppbv	95
19) Isopropyl Alcohol	1.907	45	7110661	642.214	ppbv #	41
20) Methylene Chloride	2.062	84	8919	1.358	ppbv	90
21) Allyl Chloride	1.962	41	64409	5.016	ppbv #	28
23) Vinyl Acetate	2.454	43	7301	0.289	ppbv #	75
25) Ethyl Acetate	2.826	43	97192	2.107	ppbv #	88
26) Hexane	2.826	57	117368	5.801	ppbv #	46
27) Carbon Disulfide	2.149	76	18073	1.043	ppbv #	66
29) Chloroform	2.848	83	5518	0.177	ppbv	100
30) Cyclohexane	3.855	84	558	0.033	ppbv #	7
31) cis-1,2-Dichloroethene	2.835	61	1952	0.094	ppbv #	23
34) 2-Butanone	2.560	43	17312	0.575	ppbv	97
35) Carbon Tetrachloride	3.758	117	1649	0.052	ppbv #	88
36) Benzene	3.654	78	9665	0.240	ppbv	96
39) 1,2-Dichloropropane	3.959	63	107089	7.208	ppbv #	21
41) Tetrahydrofuran	3.068	42	3393	0.222	ppbv #	68
44) 2,2,4-Trimethylpentane	4.638	57	2141	0.033	ppbv #	41
53) Toluene	6.933	91	25972	0.601	ppbv	97
58) Ethyl Benzene	9.348	91	1182	0.021	ppbv	94
59) m/p-Xylene	9.551	91	1197	0.026	ppbv #	30
60) o-Xylene	9.966	91	2253	0.049	ppbv	69
61) Styrene	9.869	104	595	0.031	ppbv #	1
66) Benzyl Chloride	11.633	91	122	0.025	ppbv #	79
69) p-Isopropyltoluene	11.921	119	3143	0.045	ppbv #	76
74) 1,2,4-Trimethylbenzene	11.539	105	2656	0.054	ppbv #	68
79) Naphthalene	13.520	128	848	0.450	ppbv #	77
80) Naphthalene,2-methyl-	14.601	142	144	1.133	ppbv	90
81) 1,2,4-Trichlorobenzene	13.445	180	24	0.436	ppbv #	1

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

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 05 01:09:38 2025
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
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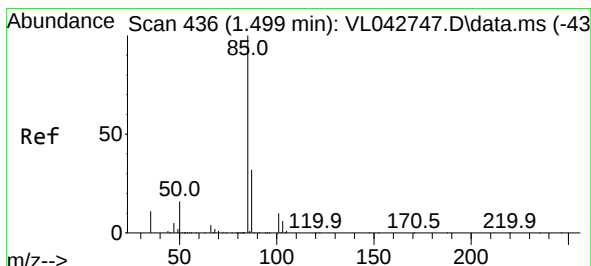
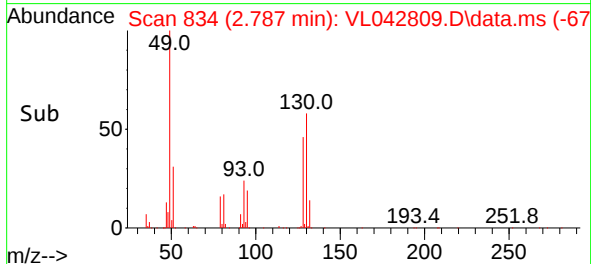
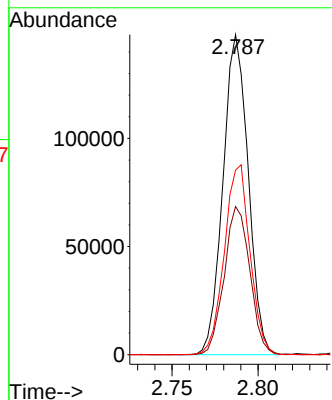
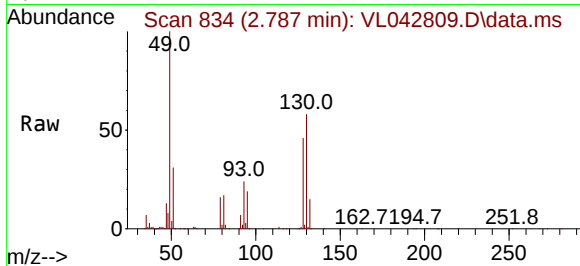




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042809.D
 Acq: 04 Aug 2025 17:26

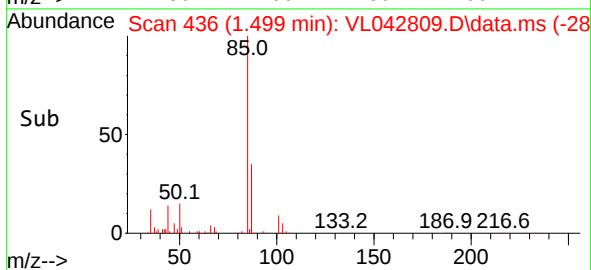
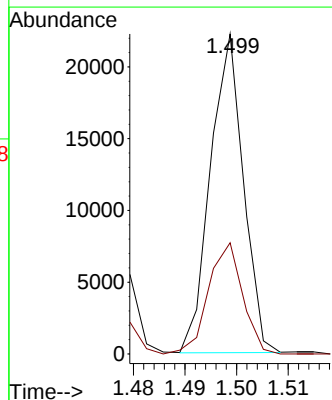
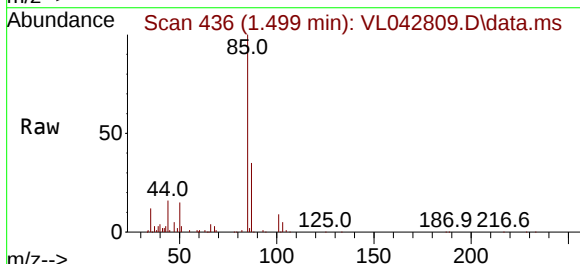
Instrument :
 MSVOA_L
 ClientSampleId :

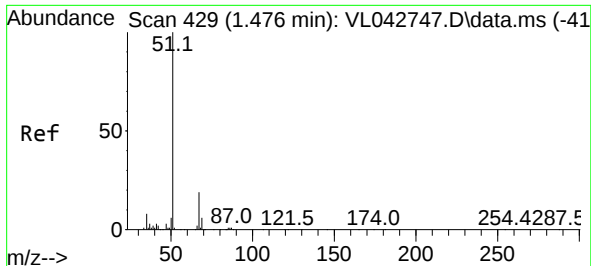
Tgt Ion: 49 Resp: 150888
 Ion Ratio Lower Upper
 49 100
 128 47.1 23.6 71.0
 130 60.4 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 0.495 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042809.D
 Acq: 04 Aug 2025 17:26

Tgt Ion: 85 Resp: 9872
 Ion Ratio Lower Upper
 85 100
 87 34.9 25.4 38.2

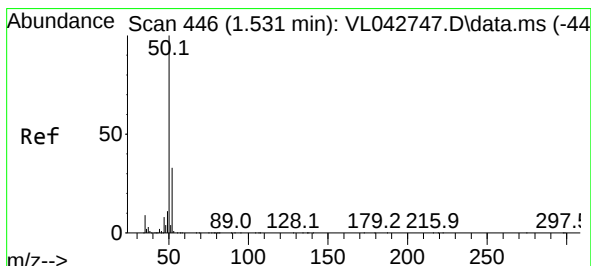
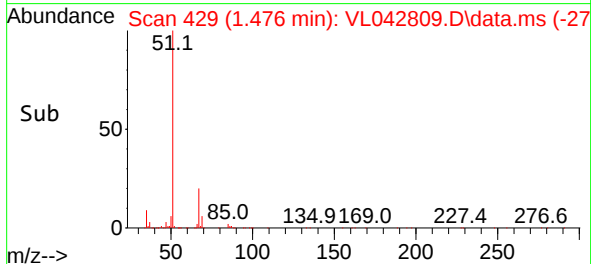
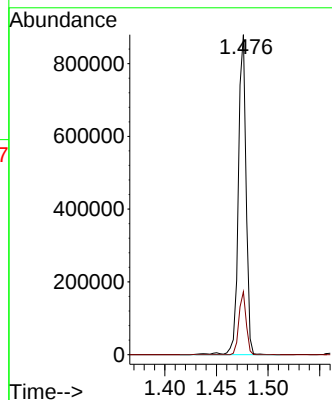
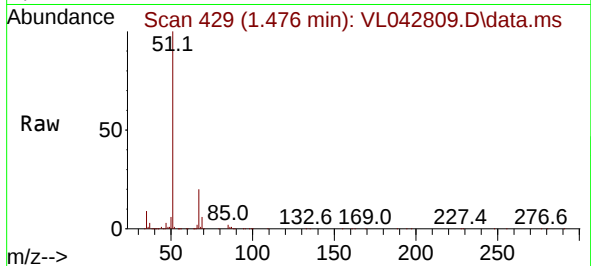




#3
Chlorodifluoromethane
Concen: 17.435 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

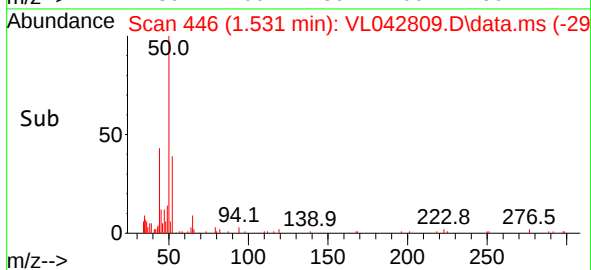
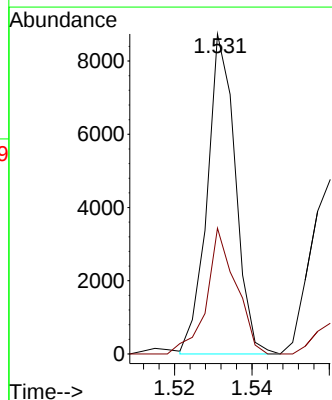
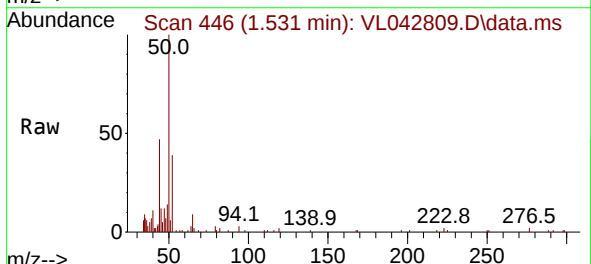
Instrument :
MSVOA_L
ClientSampleId :

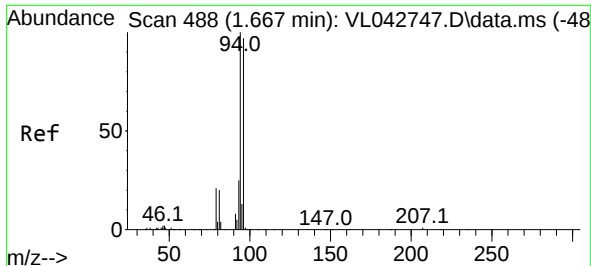
Tgt Ion: 51 Resp: 453101
Ion Ratio Lower Upper
51 100
67 18.4 15.0 22.6



#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Tgt Ion: 50 Resp: 4415
Ion Ratio Lower Upper
50 100
52 39.6 26.6 40.0

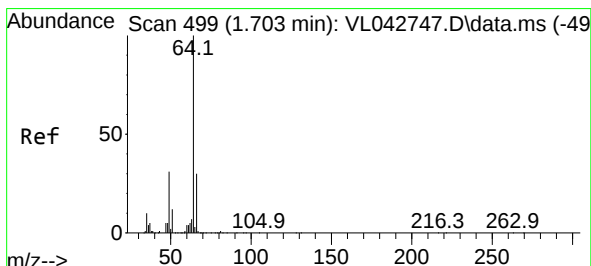
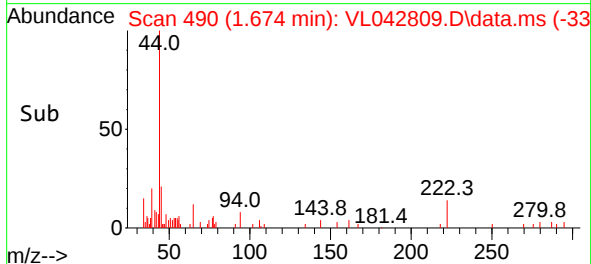
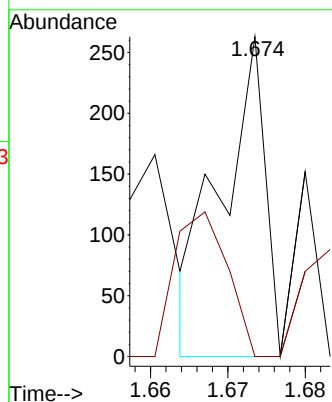
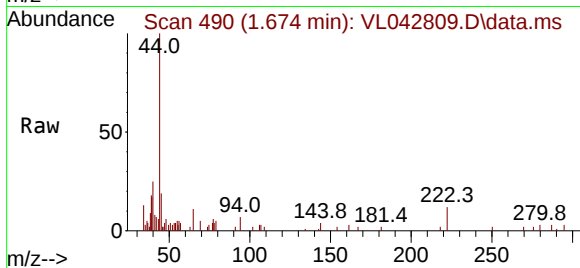




#6
Bromomethane
Concen: 0.033 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.006 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

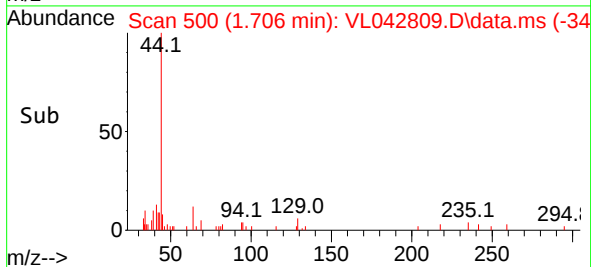
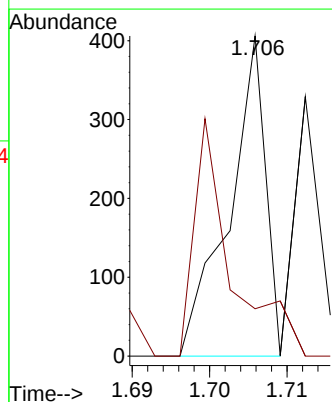
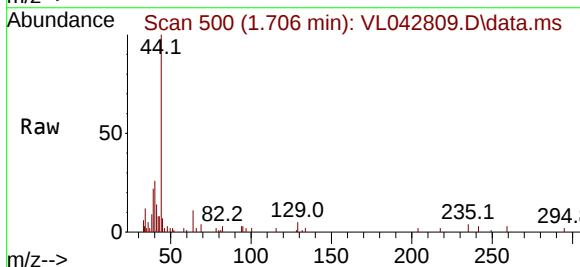
Instrument :
MSVOA_L
ClientSampleId :

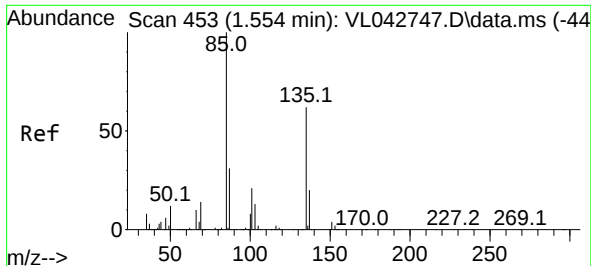
Tgt Ion: 94 Resp: 103
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#



#7
Chloroethane
Concen: 0.043 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Tgt Ion: 64 Resp: 133
Ion Ratio Lower Upper
64 100
66 14.8 24.1 36.1#

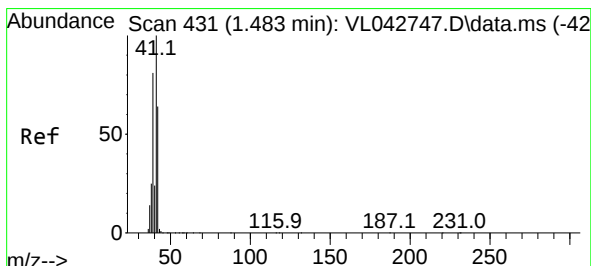
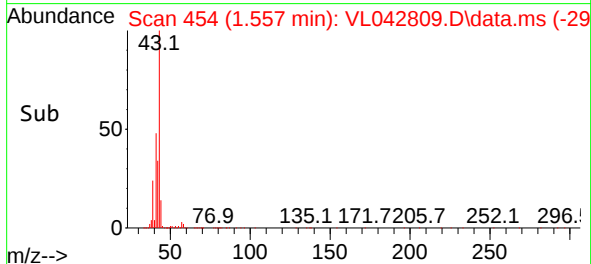
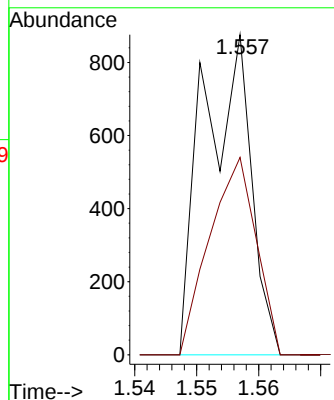
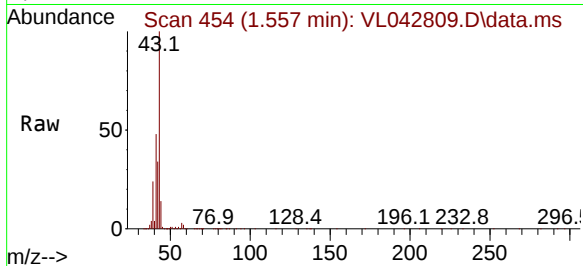




#8
 Dichlorotetrafluoroethane
 Concen: 0.028 ppbv
 RT: 1.557 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042809.D
 Acq: 04 Aug 2025 17:26

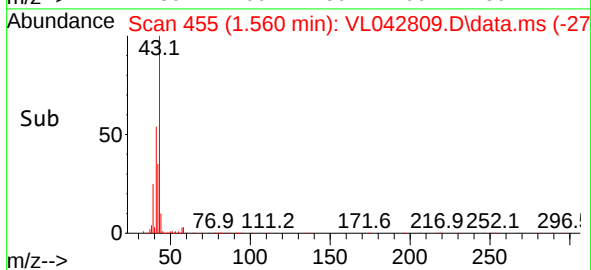
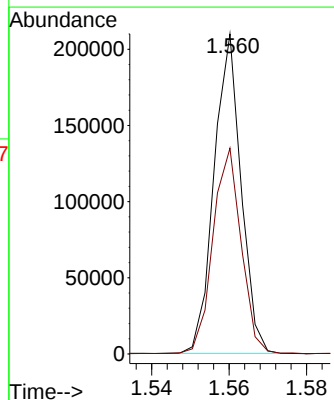
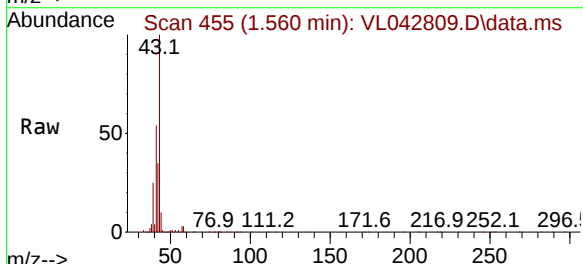
Instrument :
 MSVOA_1
 ClientSampleId :

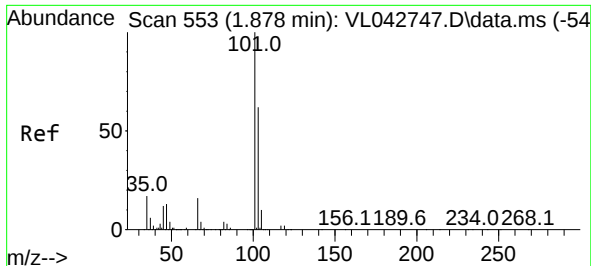
Tgt Ion: 85 Resp: 465
 Ion Ratio Lower Upper
 85 100
 135 63.2 50.6 76.0



#9
 Propene
 Concen: 10.740 ppbv
 RT: 1.560 min Scan# 455
 Delta R.T. 0.078 min
 Lab File: VL042809.D
 Acq: 04 Aug 2025 17:26

Tgt Ion: 41 Resp: 101438
 Ion Ratio Lower Upper
 41 100
 42 67.5 53.2 79.8

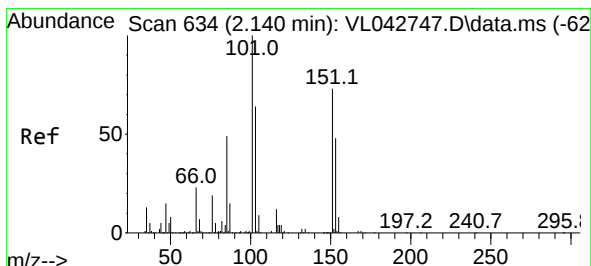
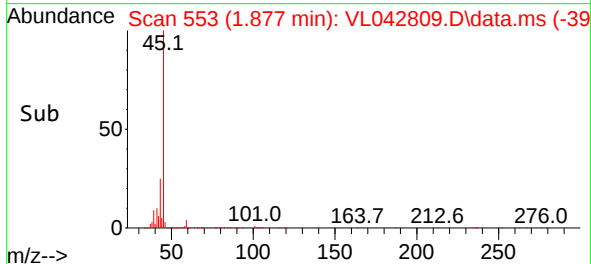
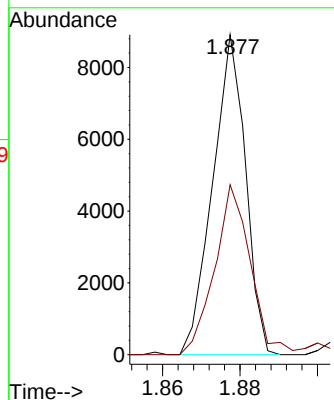
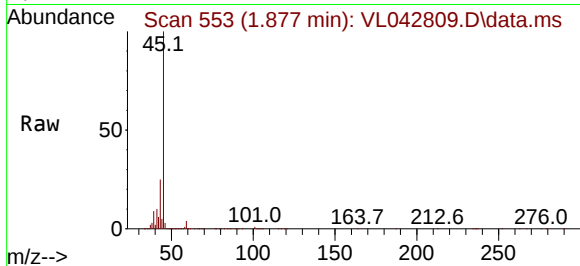




#11
 Trichlorofluoromethane
 Concen: 0.255 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042809.D
 Acq: 04 Aug 2025 17:26

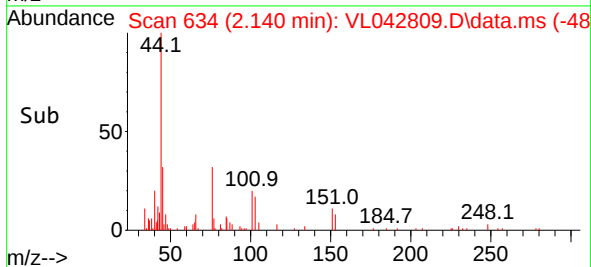
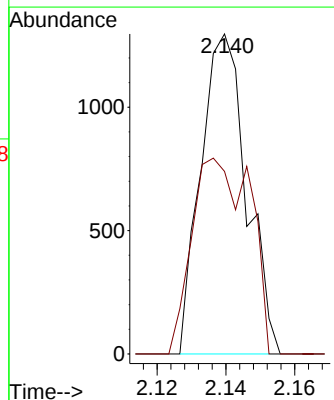
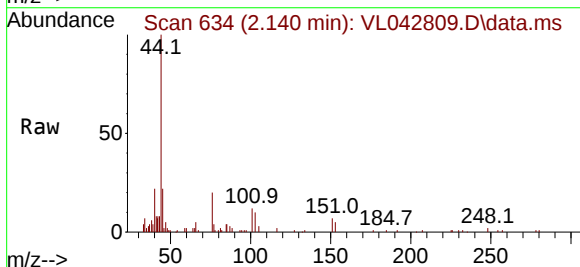
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 ClientSampleId :

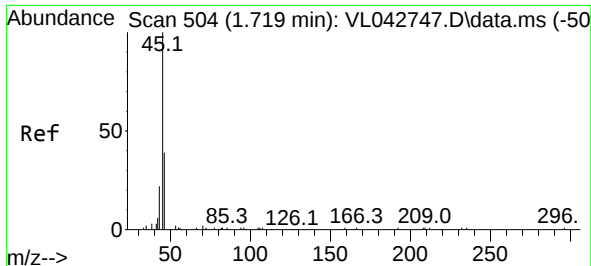
Tgt Ion:101 Resp: 5244
 Ion Ratio Lower Upper
 101 100
 103 53.1 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.077 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: VL042809.D
 Acq: 04 Aug 2025 17:26

Tgt Ion:101 Resp: 1198
 Ion Ratio Lower Upper
 101 100
 151 78.2 60.5 90.7

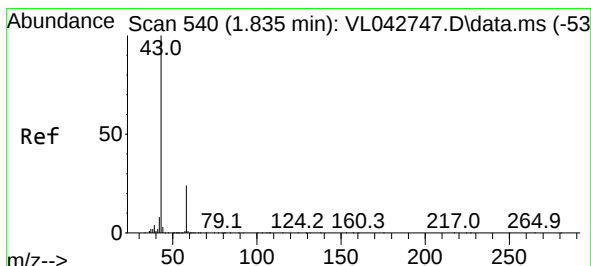
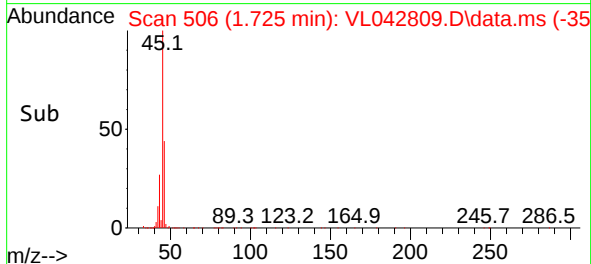
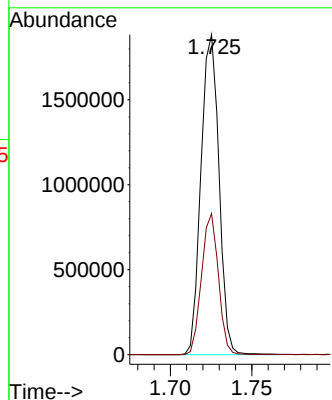
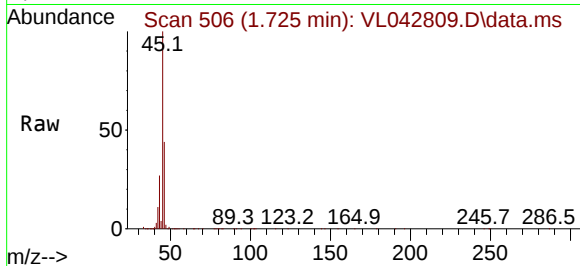




#13
Ethanol
Concen: 2103.892 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

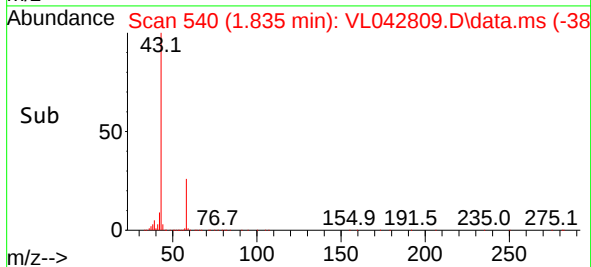
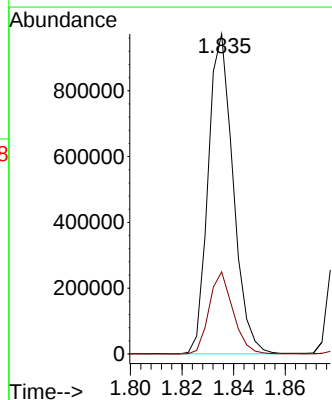
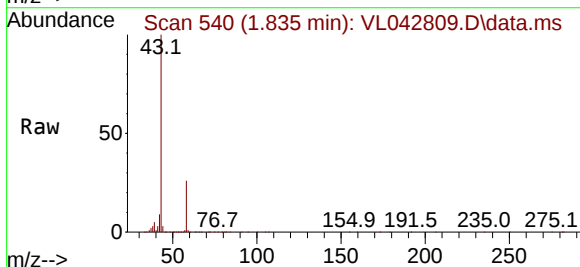
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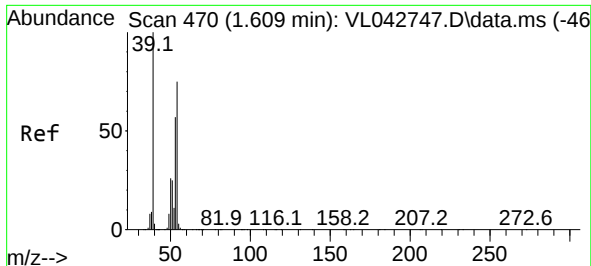
Tgt Ion: 45 Resp: 1447704
Ion Ratio Lower Upper
45 100
46 41.3 17.8 71.4



#15
Acetone
Concen: 31.338 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Tgt Ion: 43 Resp: 652938
Ion Ratio Lower Upper
43 100
58 24.6 19.8 29.8

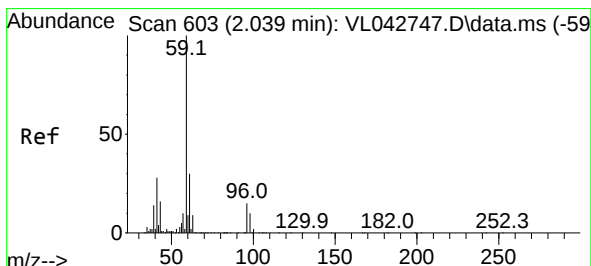
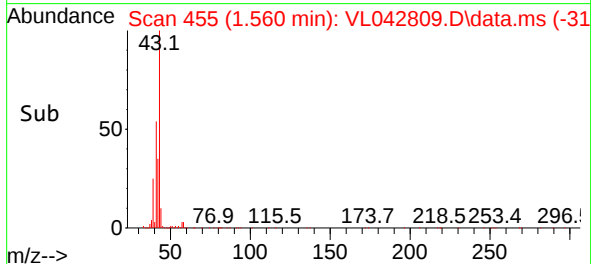
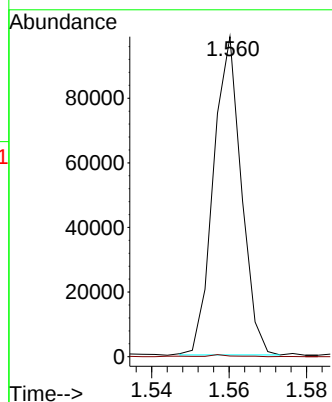
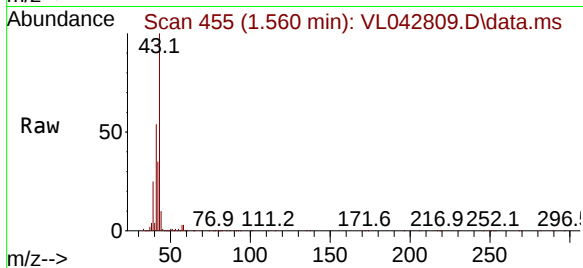




#16
1,3-Butadiene
Concen: 5.545 ppbv
RT: 1.560 min Scan# 41
Delta R.T. -0.049 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

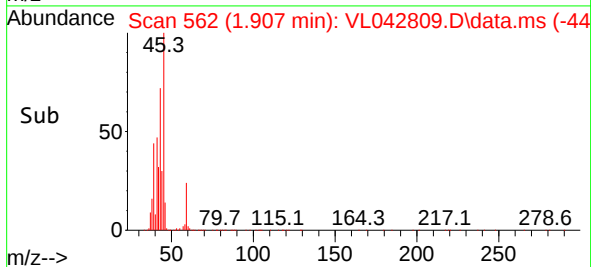
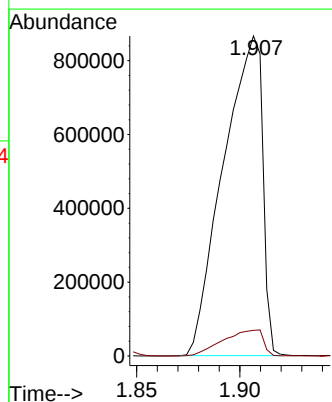
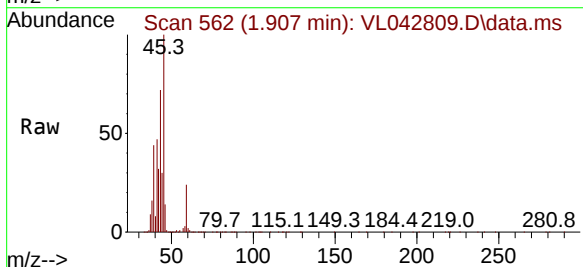
Instrument :
MSVOA_L
ClientSampleId :

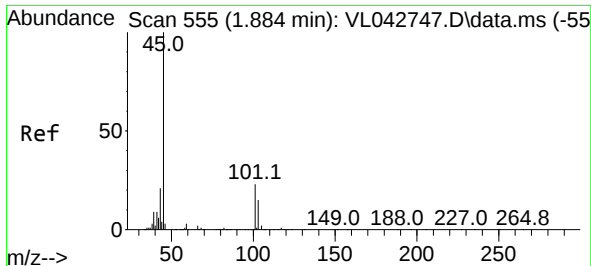
Tgt Ion: 39 Resp: 49276
Ion Ratio Lower Upper
39 100
54 0.7 54.5 81.7#



#17
tert-Butyl alcohol
Concen: 60.964 ppbv
RT: 1.907 min Scan# 562
Delta R.T. -0.133 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Tgt Ion: 59 Resp: 1145583
Ion Ratio Lower Upper
59 100
57 8.3 8.3 12.5

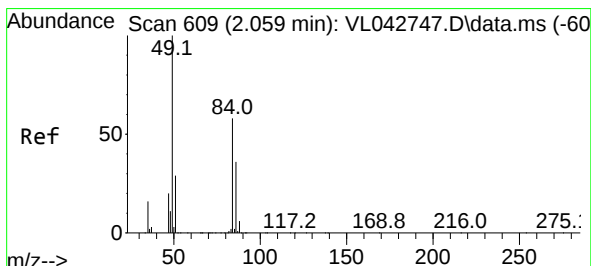
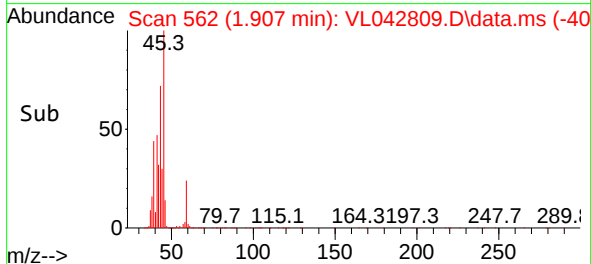
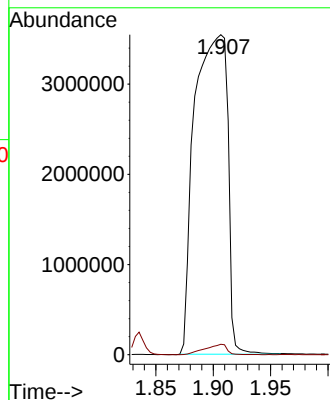
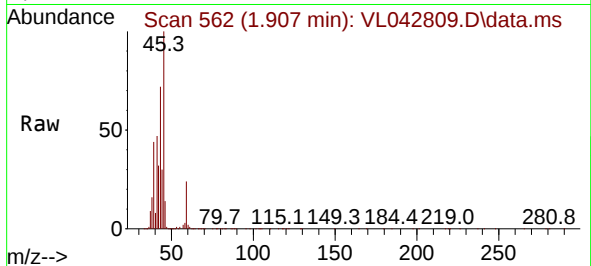




#19
Isopropyl Alcohol
Concen: 642.214 ppbv
RT: 1.907 min Scan# 510
Delta R.T. 0.023 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

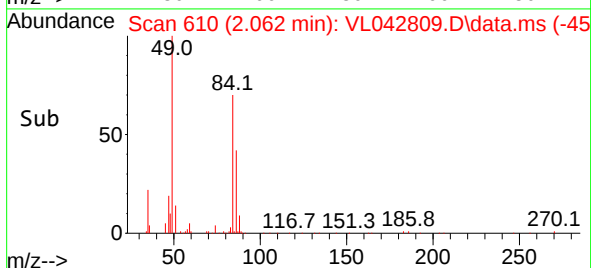
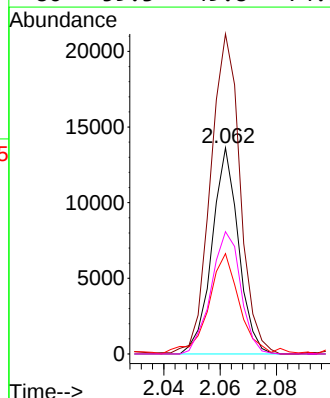
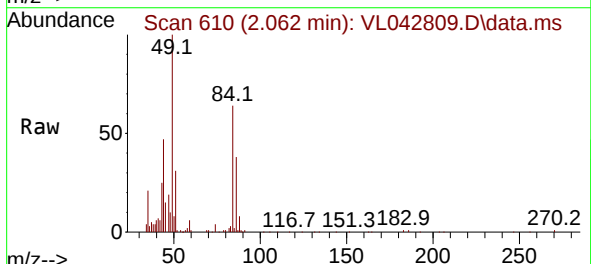
Instrument :
MSVOA_1
ClientSampleId :

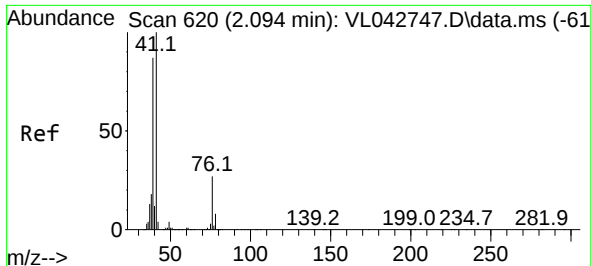
Tgt Ion: 45 Resp: 7110661
Ion Ratio Lower Upper
45 100
58 2.2 30.0 45.0#



#20
Methylene Chloride
Concen: 1.358 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Tgt Ion: 84 Resp: 8919
Ion Ratio Lower Upper
84 100
49 155.3 138.6 208.0
51 46.0 40.6 61.0
86 59.3 49.8 74.8

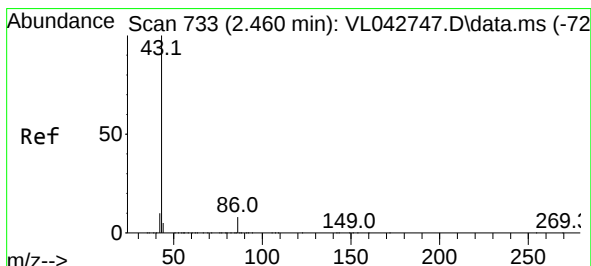
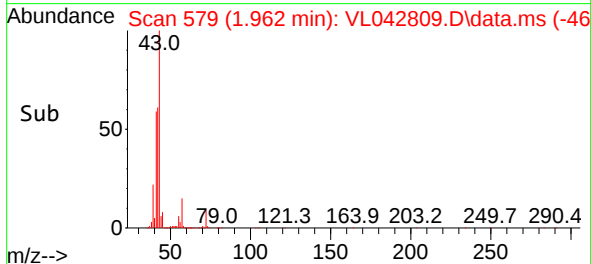
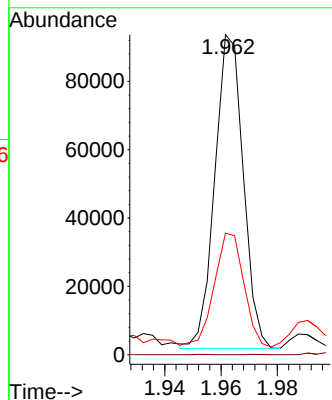
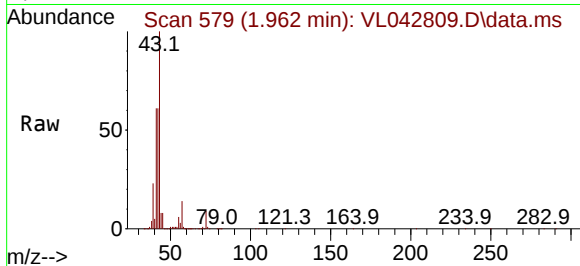




#21
 Allyl Chloride
 Concen: 5.016 ppbv
 RT: 1.962 min Scan# 51
 Delta R.T. -0.133 min
 Lab File: VL042809.D
 Acq: 04 Aug 2025 17:26

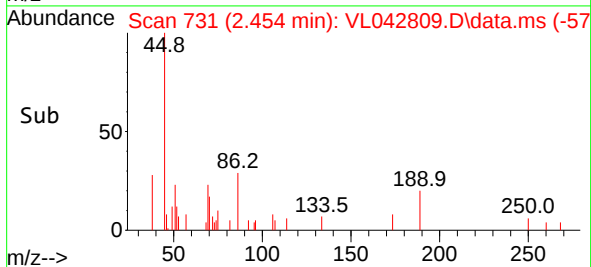
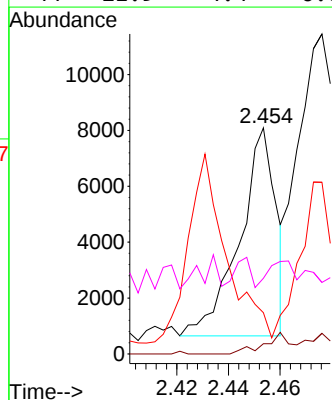
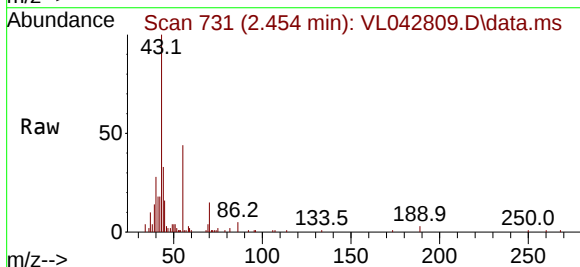
Instrument :
 MSVOA_L
 ClientSampleId :

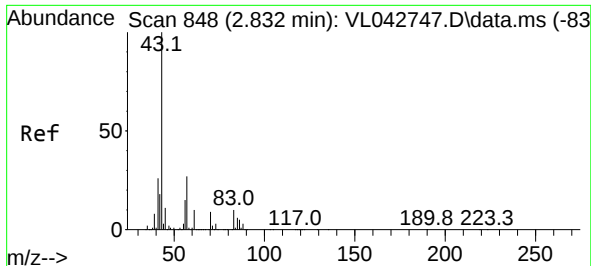
Tgt Ion: 41 Resp: 64409
 Ion Ratio Lower Upper
 41 100
 76 28.2 21.1 31.7
 39 0.0 68.3 102.5#



#23
 Vinyl Acetate
 Concen: 0.289 ppbv
 RT: 2.454 min Scan# 731
 Delta R.T. -0.007 min
 Lab File: VL042809.D
 Acq: 04 Aug 2025 17:26

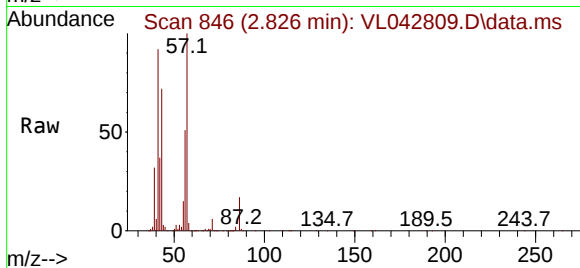
Tgt Ion: 43 Resp: 7301
 Ion Ratio Lower Upper
 43 100
 86 3.6 6.1 9.1#
 42 1.3 7.8 11.8#
 44 21.9 4.4 6.6#



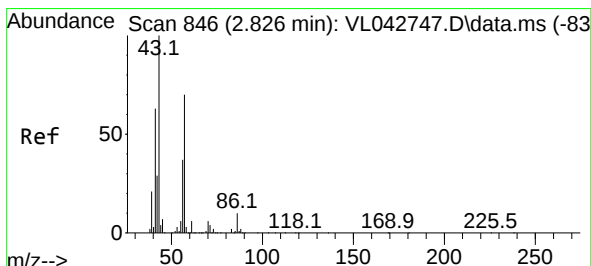
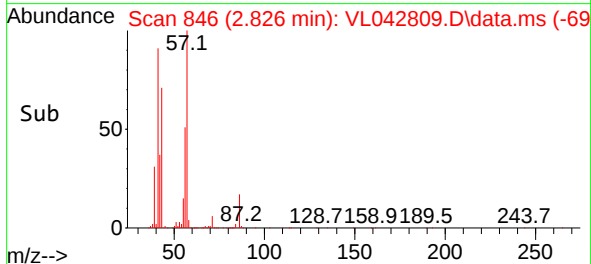
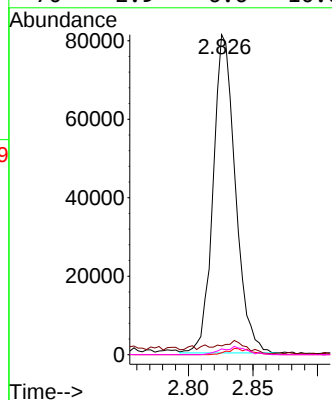


#25
Ethyl Acetate
Concen: 2.107 ppbv
RT: 2.826 min Scan# 848
Delta R.T. -0.007 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Instrument :
MSVOA_L
ClientSampleId :

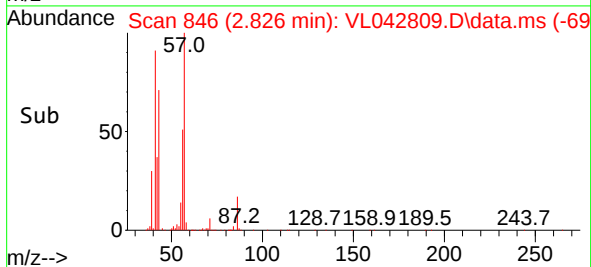
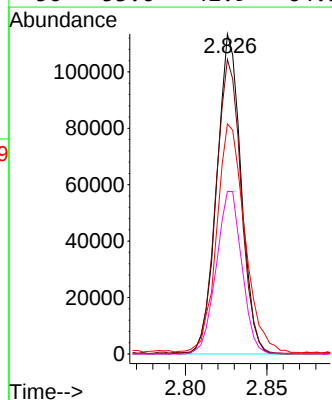
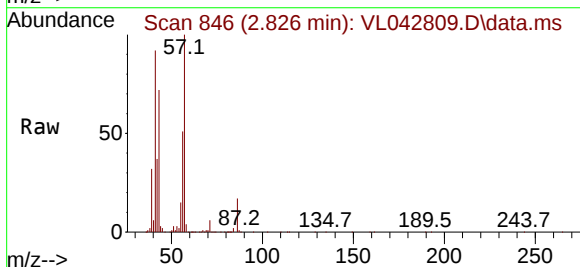


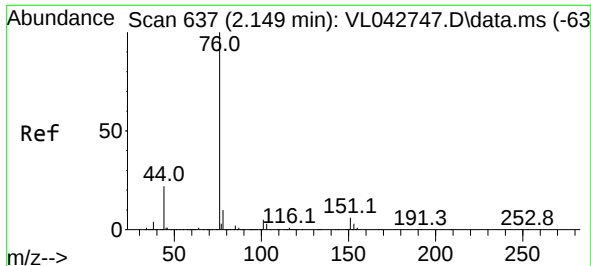
Tgt Ion: 43 Resp: 97192
Ion Ratio Lower Upper
43 100
45 8.4 7.8 11.6
61 2.1 6.7 10.1#
70 2.9 6.6 10.0#



#26
Hexane
Concen: 5.801 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Tgt Ion: 57 Resp: 117368
Ion Ratio Lower Upper
57 100
41 96.2 75.4 113.2
43 84.5 185.0 277.6#
56 53.6 42.9 64.3





#27

Carbon Disulfide

Concen: 1.043 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

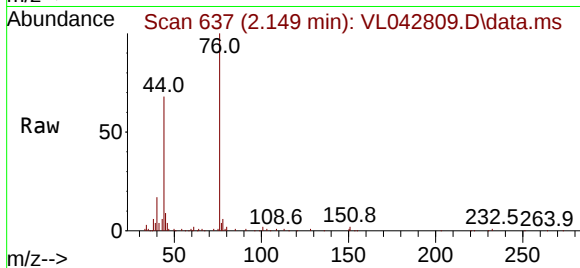
Lab File: VL042809.D

Acq: 04 Aug 2025 17:26

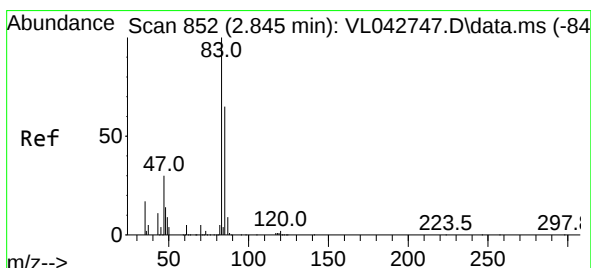
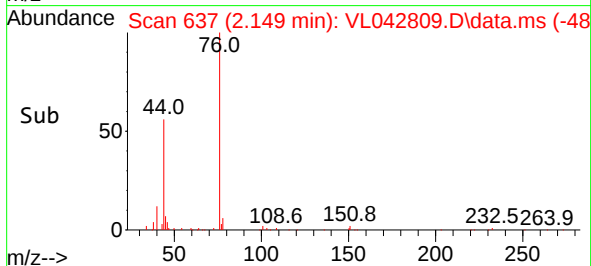
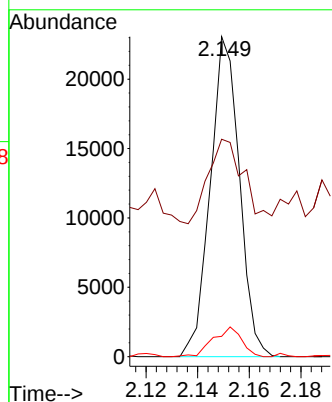
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	76	Resp:	18073
Ion Ratio	Lower	Upper	
76	100		
44	0.0	19.3	28.9#
78	10.5	9.9	14.9



#29

Chloroform

Concen: 0.177 ppbv

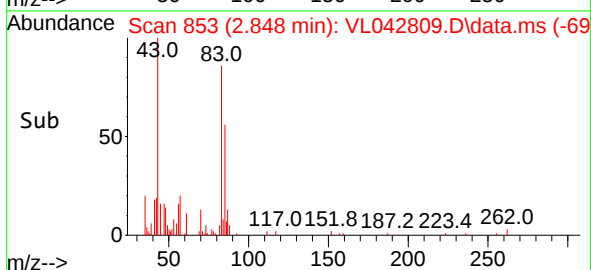
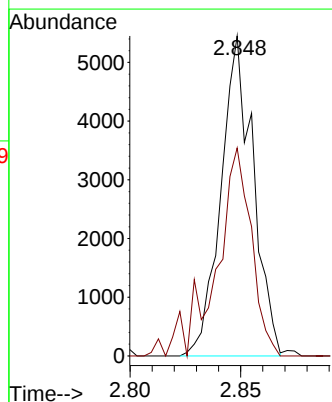
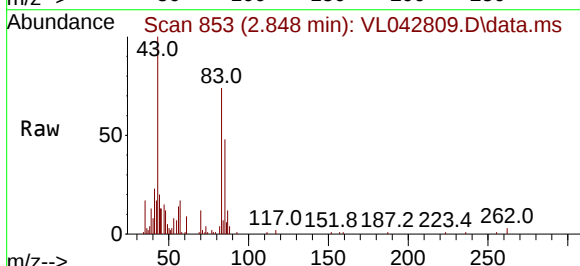
RT: 2.848 min Scan# 853

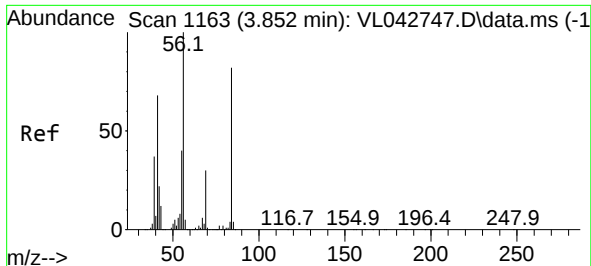
Delta R.T. 0.003 min

Lab File: VL042809.D

Acq: 04 Aug 2025 17:26

Tgt Ion:	83	Resp:	5518
Ion Ratio	Lower	Upper	
83	100		
85	65.0	52.2	78.2

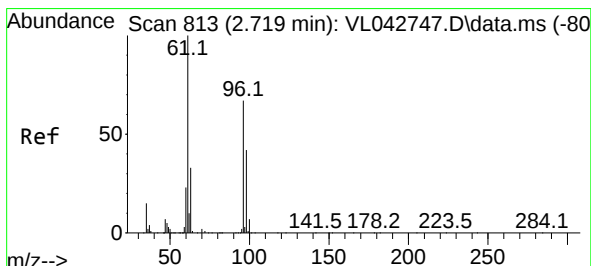
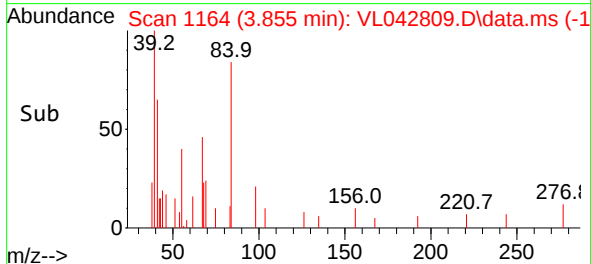
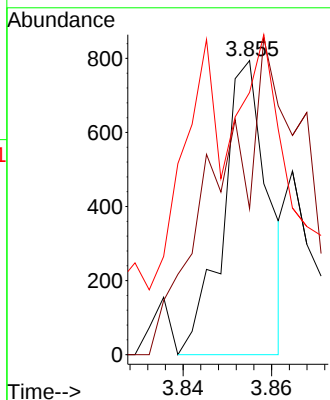
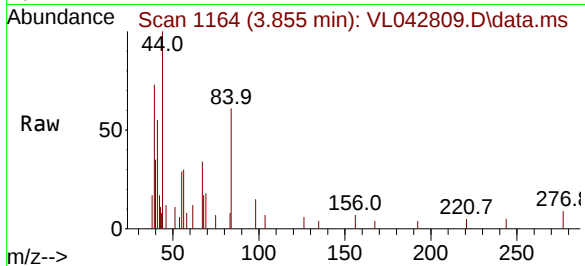




#30
Cyclohexane
Concen: 0.033 ppbv
RT: 3.855 min Scan# 1163
Delta R.T. 0.003 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

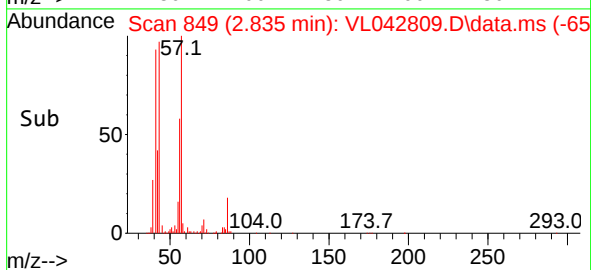
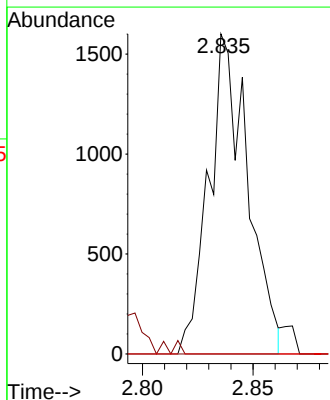
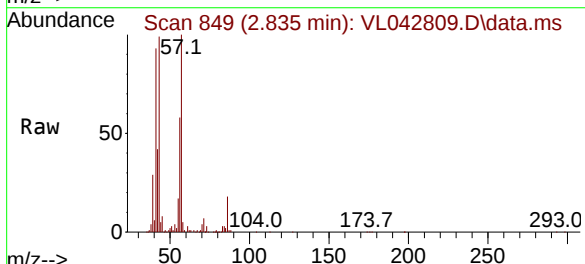
Instrument :
MSVOA_L
ClientSampleId :

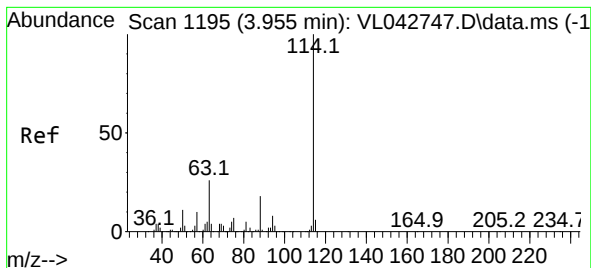
Tgt Ion: 84 Resp: 558
Ion Ratio Lower Upper
84 100
56 212.9 97.5 146.3#
41 184.1 67.2 100.8#



#31
cis-1,2-Dichloroethene
Concen: 0.094 ppbv
RT: 2.835 min Scan# 849
Delta R.T. 0.116 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Tgt Ion: 61 Resp: 1952
Ion Ratio Lower Upper
61 100
96 0.0 53.5 80.3#
98 0.0 33.6 50.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL042809.D

Acq: 04 Aug 2025 17:26

Instrument :

MSVOA_L

ClientSampleId :

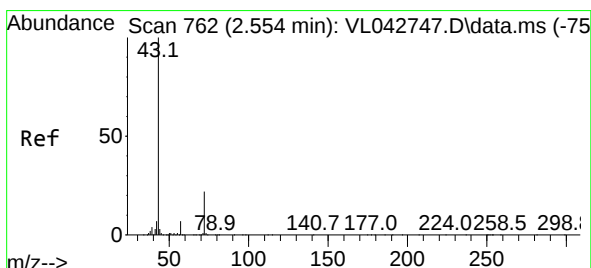
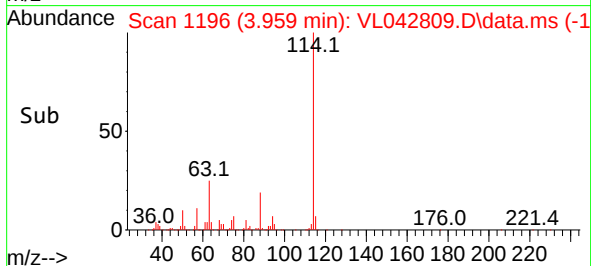
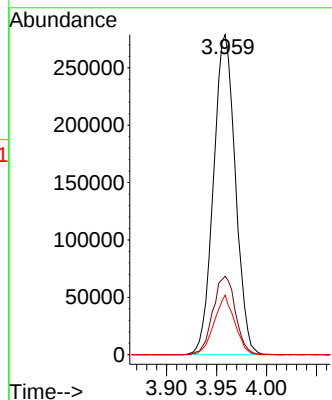
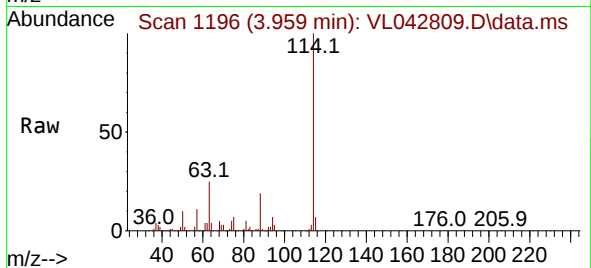
Tgt Ion:114 Resp: 424703

Ion Ratio Lower Upper

114 100

63 25.2 20.5 30.7

88 17.4 14.0 21.0



#34

2-Butanone

Concen: 0.575 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.006 min

Lab File: VL042809.D

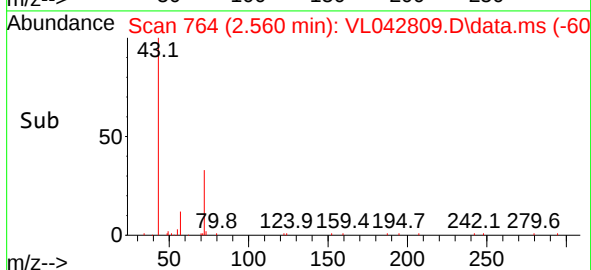
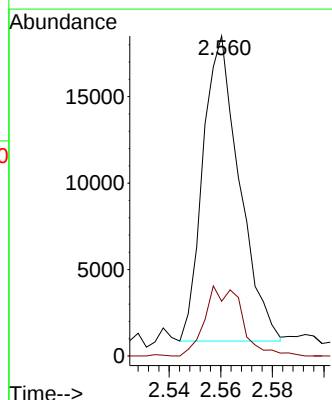
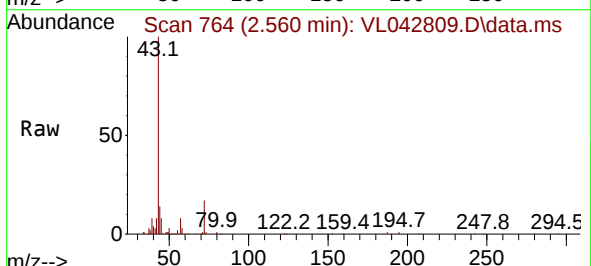
Acq: 04 Aug 2025 17:26

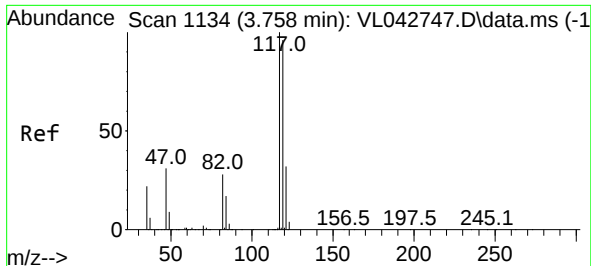
Tgt Ion: 43 Resp: 17312

Ion Ratio Lower Upper

43 100

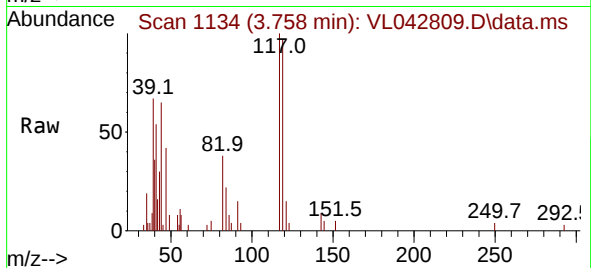
72 23.2 17.4 26.0



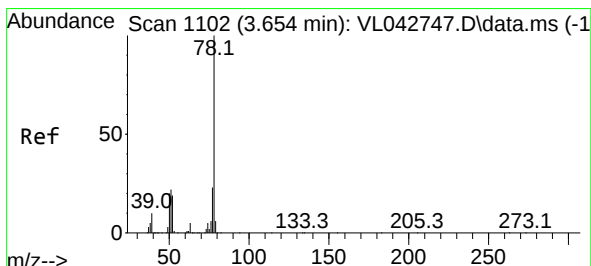
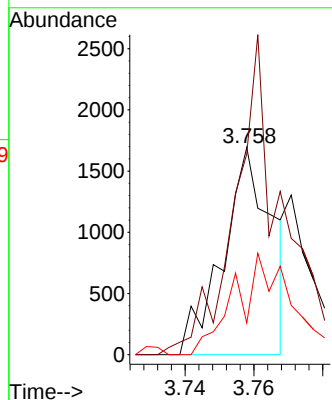
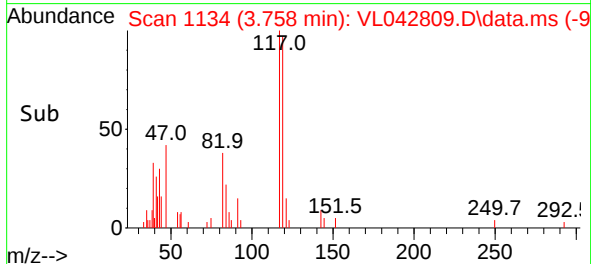


#35
Carbon Tetrachloride
Concen: 0.052 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Instrument :
MSVOA_L
ClientSampleId :

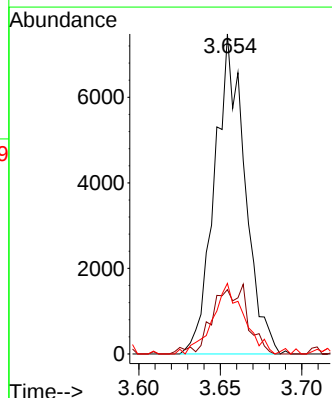
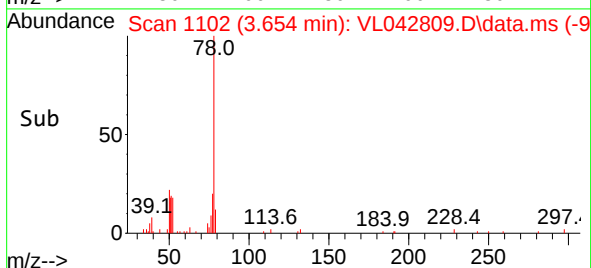
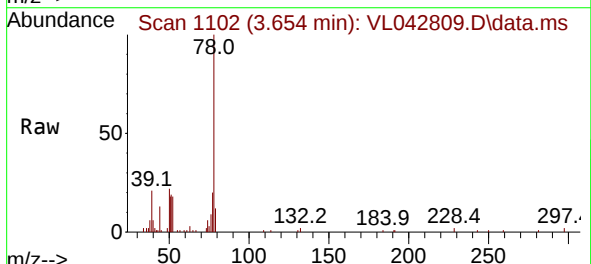


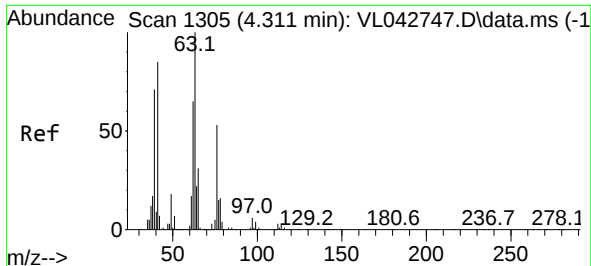
Tgt Ion:117 Resp: 1649
Ion Ratio Lower Upper
117 100
119 90.8 77.1 115.7
121 15.3 25.5 38.3#



#36
Benzene
Concen: 0.240 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Tgt Ion: 78 Resp: 9665
Ion Ratio Lower Upper
78 100
77 20.1 18.5 27.7
50 21.3 16.2 24.2





#39

1,2-Dichloropropane

Concen: 7.208 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.353 min

Lab File: VL042809.D

Acq: 04 Aug 2025 17:26

Instrument :

MSVOA_L

ClientSampleId :

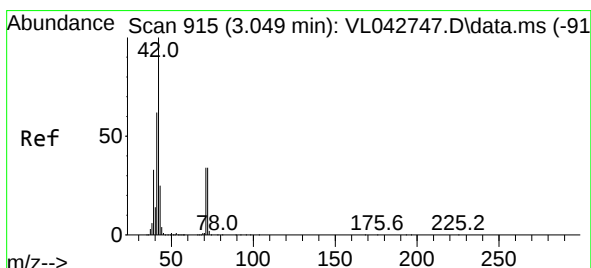
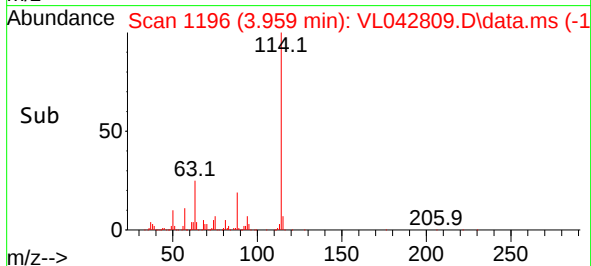
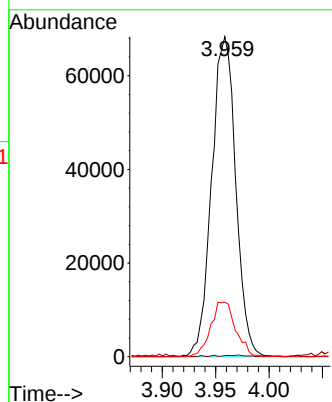
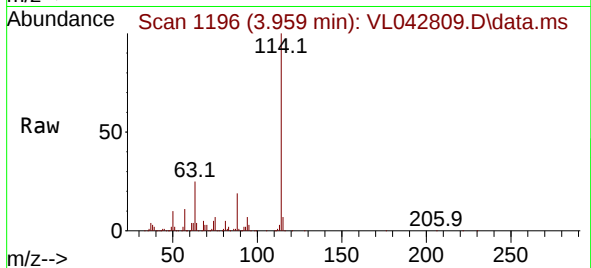
Tgt Ion: 63 Resp: 107089

Ion Ratio Lower Upper

63 100

41 0.1 68.2 102.4#

62 17.0 52.0 78.0#



#41

Tetrahydrofuran

Concen: 0.222 ppbv

RT: 3.068 min Scan# 921

Delta R.T. 0.019 min

Lab File: VL042809.D

Acq: 04 Aug 2025 17:26

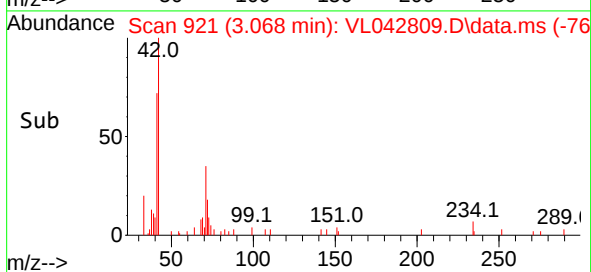
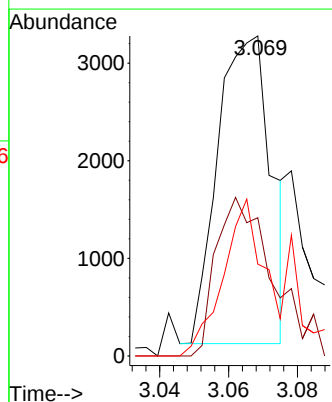
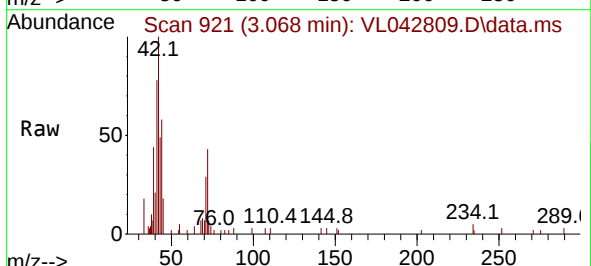
Tgt Ion: 42 Resp: 3393

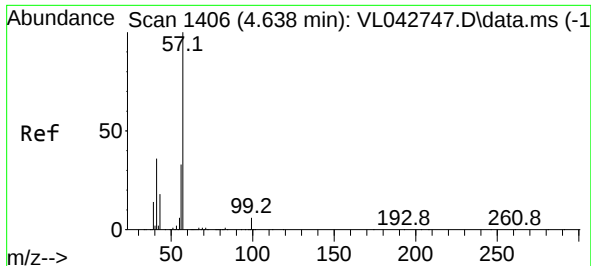
Ion Ratio Lower Upper

42 100

72 56.2 30.9 46.3#

71 56.8 28.6 43.0#

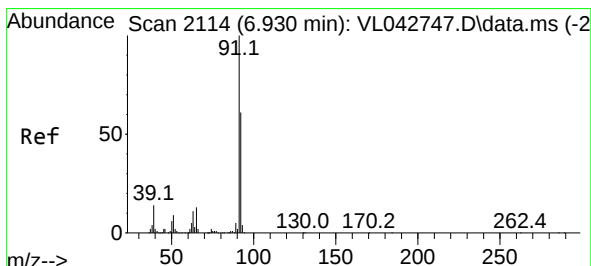
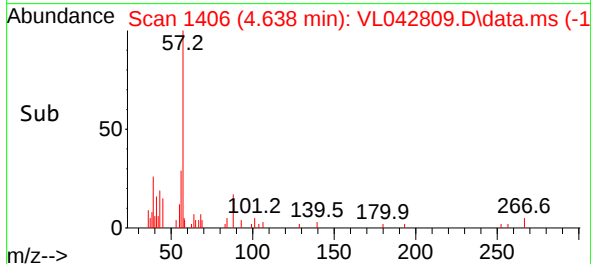
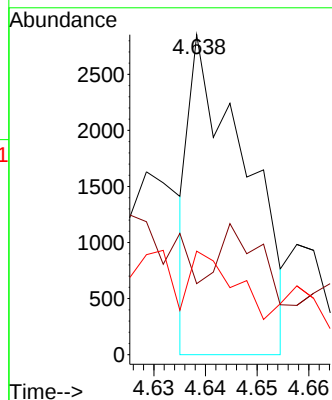
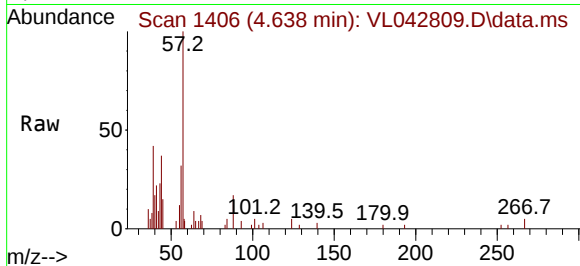




#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

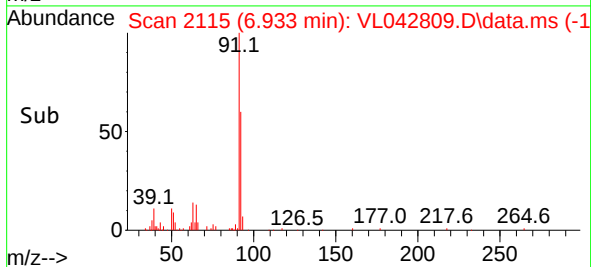
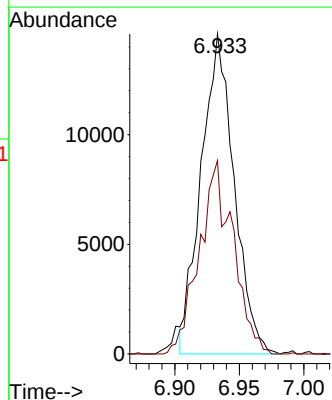
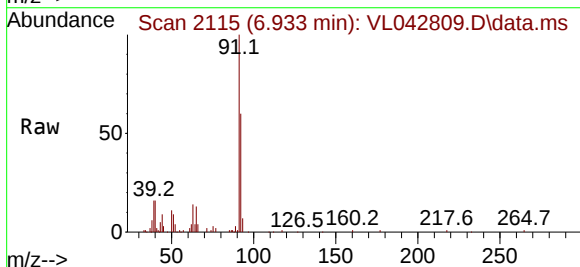
Instrument :
MSVOA_L
ClientSampleId :

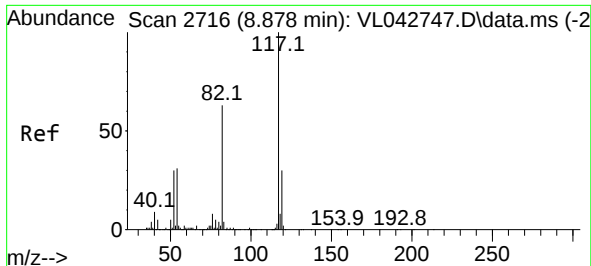
Tgt Ion: 57 Resp: 2141
Ion Ratio Lower Upper
57 100
41 0.0 28.3 42.5#
56 0.0 25.8 38.6#



#53
Toluene
Concen: 0.601 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Tgt Ion: 91 Resp: 25972
Ion Ratio Lower Upper
91 100
92 62.4 48.0 72.0

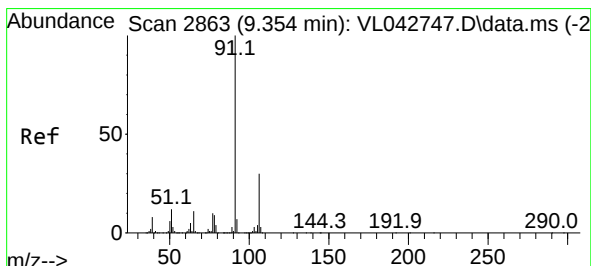
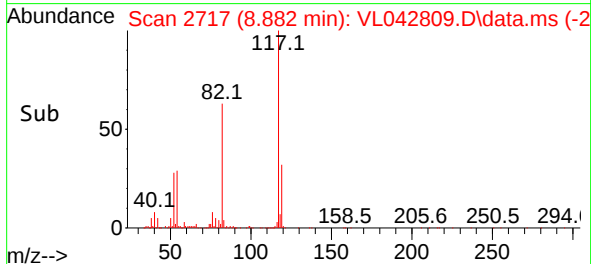
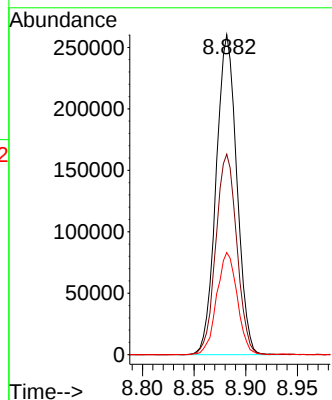
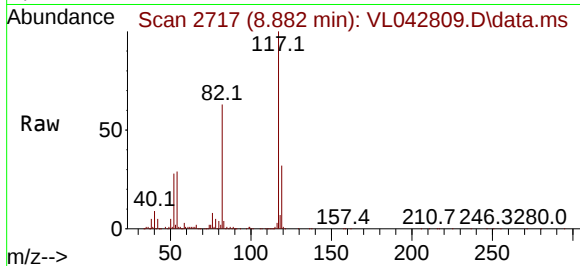




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

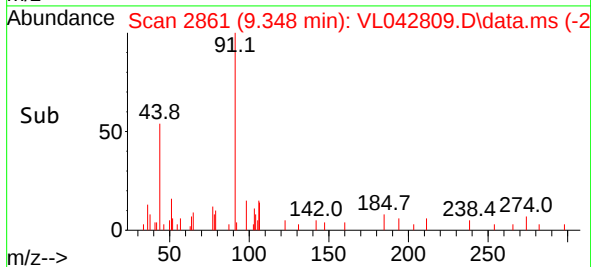
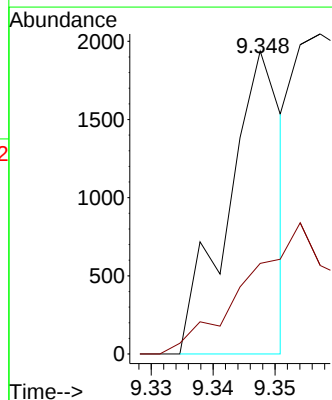
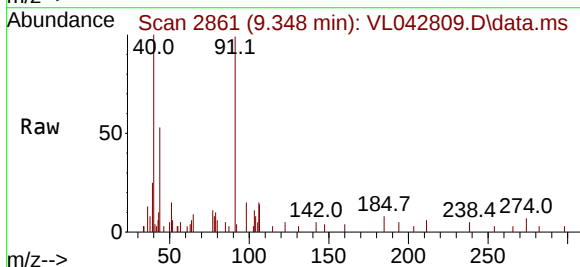
Instrument :
MSVOA_L
ClientSampleId :

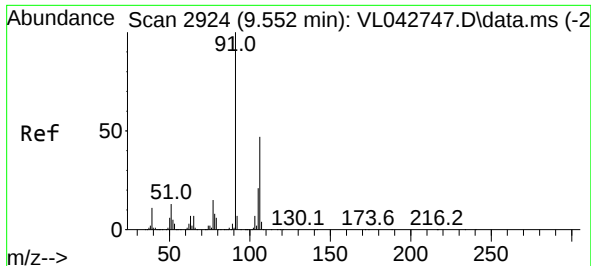
Tgt Ion:117 Resp: 362958
Ion Ratio Lower Upper
117 100
82 63.7 53.3 79.9
119 32.0 25.8 38.6



#58
Ethyl Benzene
Concen: 0.021 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

Tgt Ion: 91 Resp: 1182
Ion Ratio Lower Upper
91 100
106 26.4 23.8 35.6





#59

m/p-Xylene

Concen: 0.026 ppbv

RT: 9.551 min Scan# 2924

Delta R.T. -0.000 min

Lab File: VL042809.D

Acq: 04 Aug 2025 17:26

Instrument :

MSVOA_L

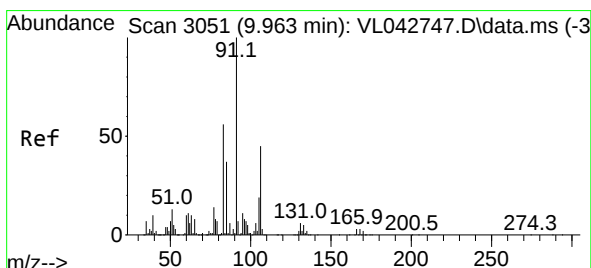
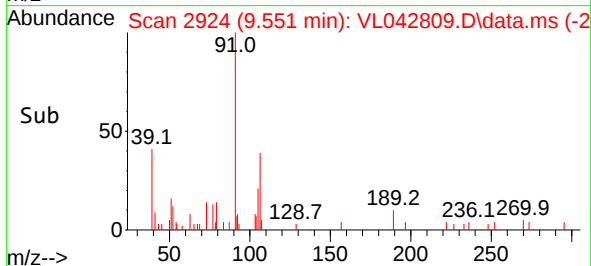
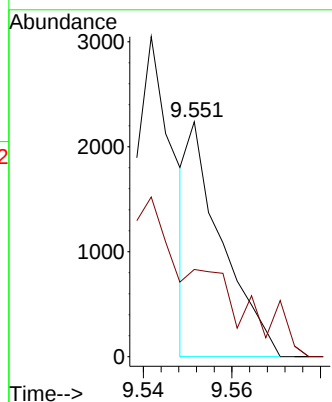
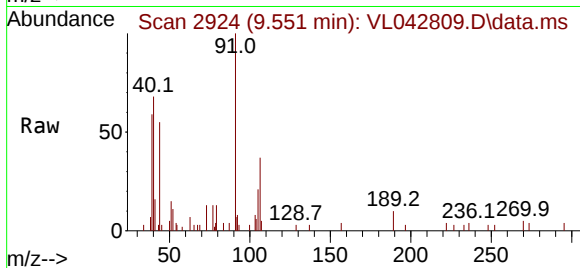
ClientSampleId :

Tgt Ion: 91 Resp: 1197

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#



#60

o-Xylene

Concen: 0.049 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL042809.D

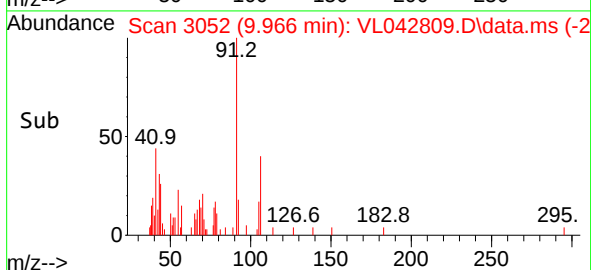
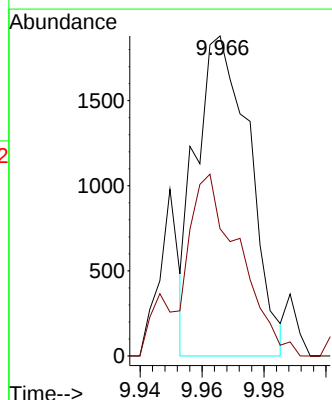
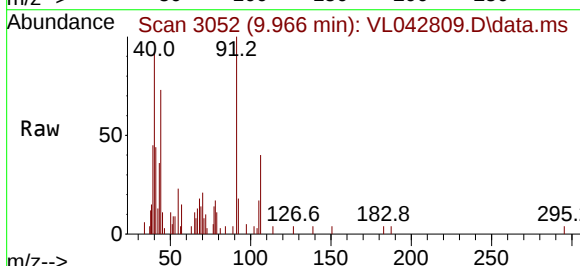
Acq: 04 Aug 2025 17:26

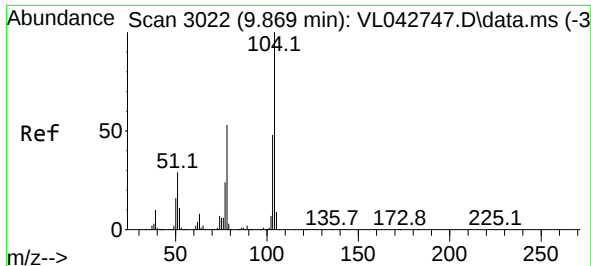
Tgt Ion: 91 Resp: 2253

Ion Ratio Lower Upper

91 100

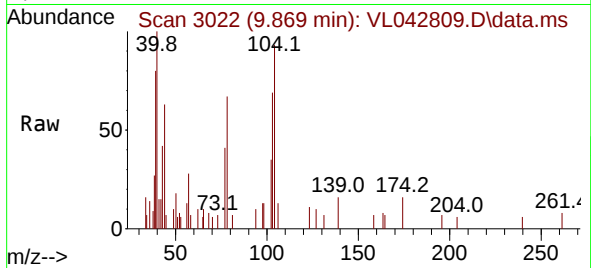
106 64.3 22.0 66.0



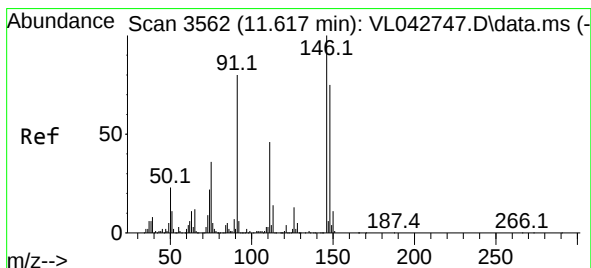
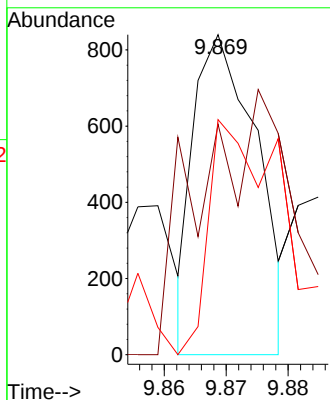
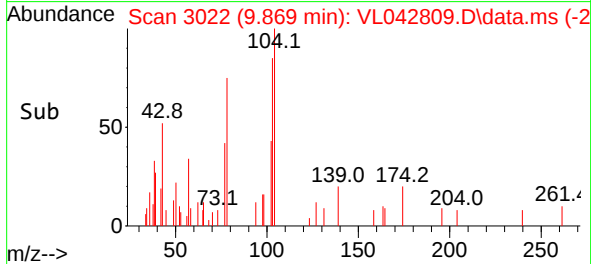


#61
Styrene
Concen: 0.031 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26

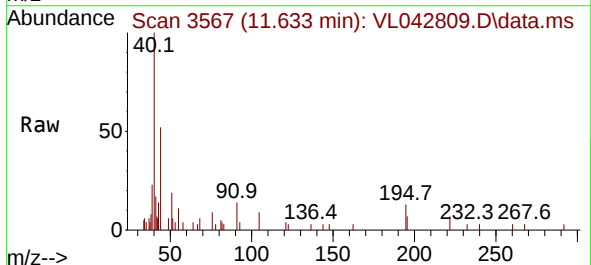
Instrument :
MSVOA_L
ClientSampleId :



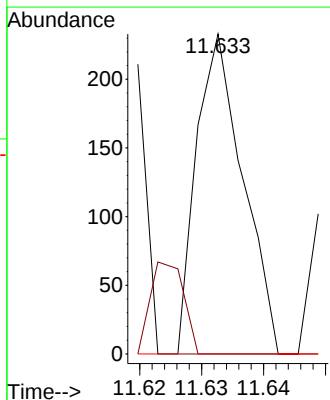
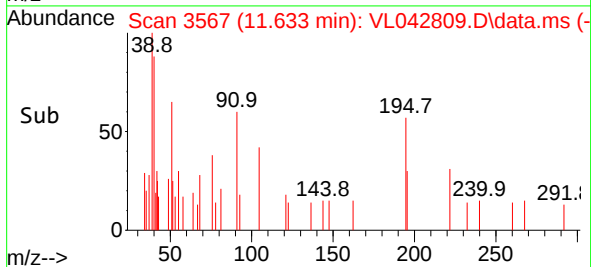
Tgt Ion:104 Resp: 595
Ion Ratio Lower Upper
104 100
78 136.5 41.5 62.3#
103 99.5 37.5 56.3#

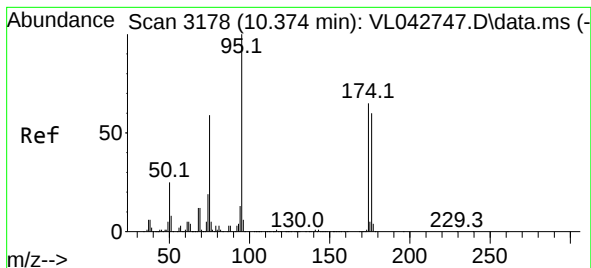


#66
Benzyl Chloride
Concen: 0.025 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.016 min
Lab File: VL042809.D
Acq: 04 Aug 2025 17:26



Tgt Ion: 91 Resp: 122
Ion Ratio Lower Upper
91 100
126 20.5 14.4 21.6
128 27.9 5.2 7.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.987 ppbv

RT: 10.377 min Scan# 3178

Delta R.T. 0.003 min

Lab File: VL042809.D

Acq: 04 Aug 2025 17:26

Instrument :

MSVOA_L

ClientSampleId :

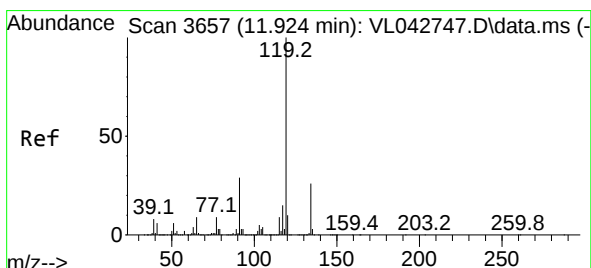
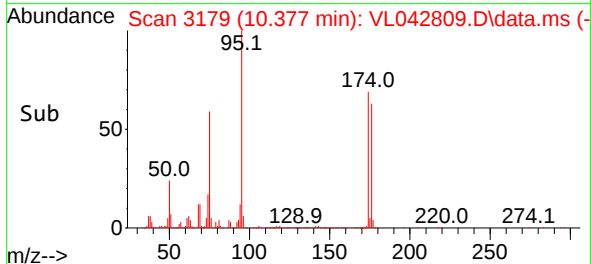
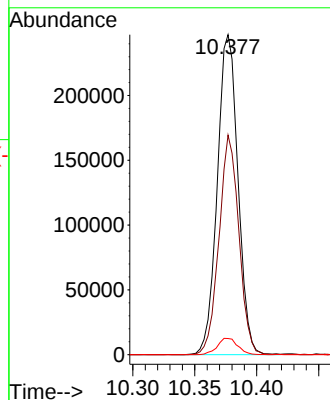
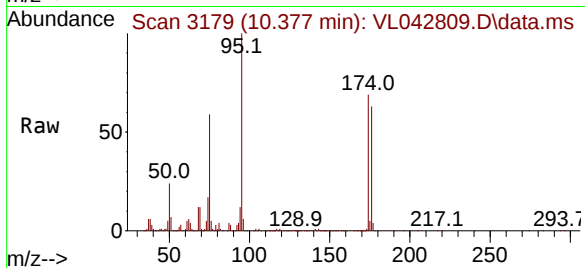
Tgt Ion: 95 Resp: 287056

Ion Ratio Lower Upper

95 100

174 66.3 53.8 80.6

175 5.1 4.0 6.0



#69

p-Isopropyltoluene

Concen: 0.045 ppbv

RT: 11.921 min Scan# 3656

Delta R.T. -0.003 min

Lab File: VL042809.D

Acq: 04 Aug 2025 17:26

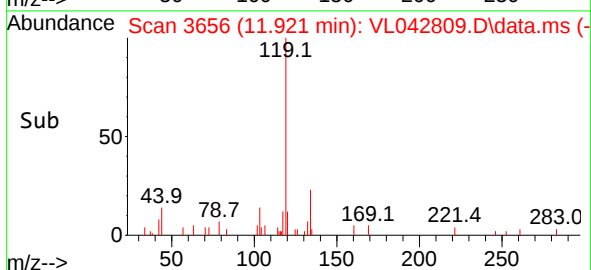
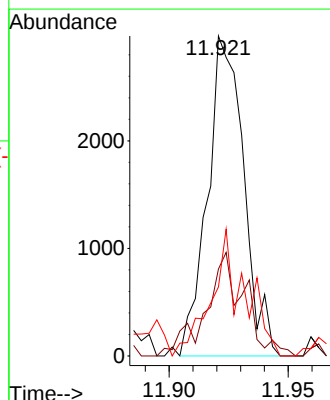
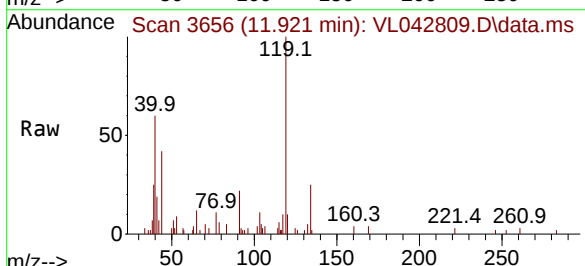
Tgt Ion: 119 Resp: 3143

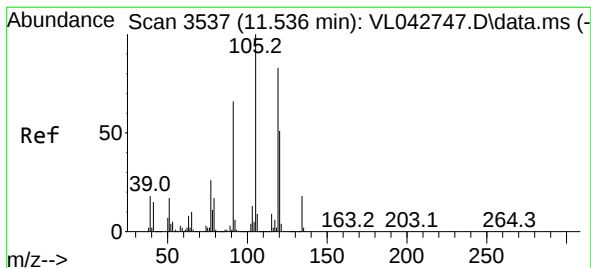
Ion Ratio Lower Upper

119 100

134 37.0 20.6 31.0#

91 42.2 23.2 34.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.054 ppbv

RT: 11.539 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042809.D

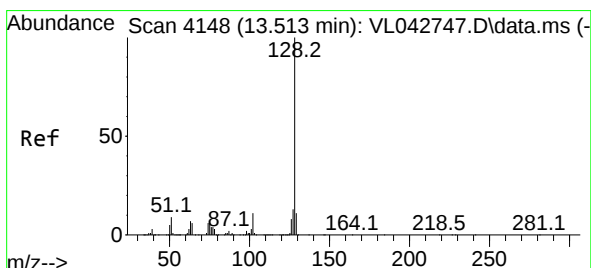
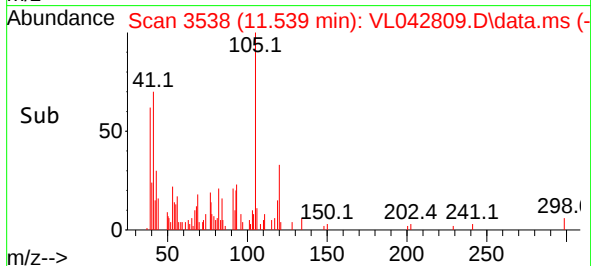
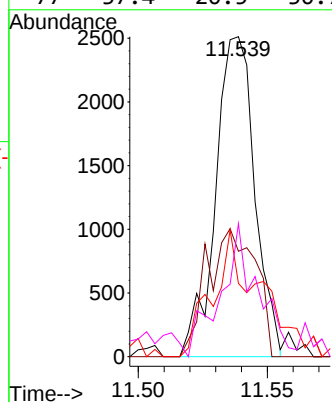
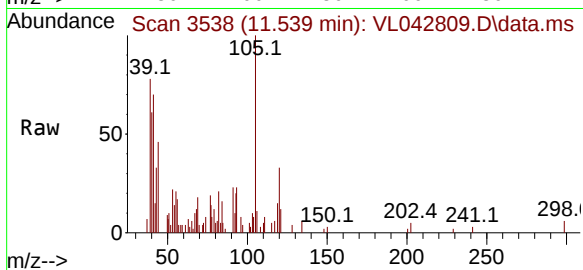
Acq: 04 Aug 2025 17:26

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	105	Resp:	2656
Ion	Ratio	Lower	Upper
105	100		
120	44.9	40.8	61.2
91	22.9	53.0	79.4#
77	37.4	20.5	30.7#



#79

Naphthalene

Concen: 0.450 ppbv

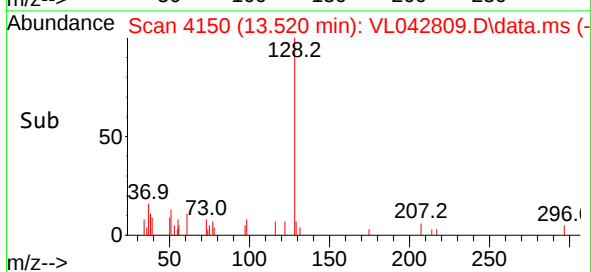
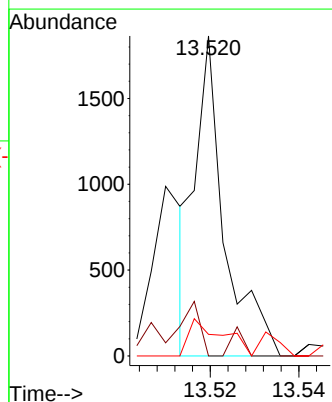
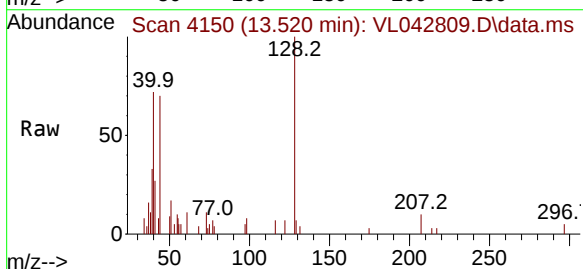
RT: 13.520 min Scan# 4150

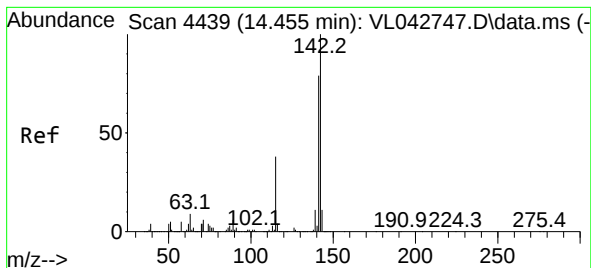
Delta R.T. 0.006 min

Lab File: VL042809.D

Acq: 04 Aug 2025 17:26

Tgt Ion:	128	Resp:	848
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	6.8	8.6	13.0#





#80

Naphthalene, 2-methyl-

Concen: 1.133 ppbv

RT: 14.601 min Scan# 4439

Delta R.T. 0.146 min

Lab File: VL042809.D

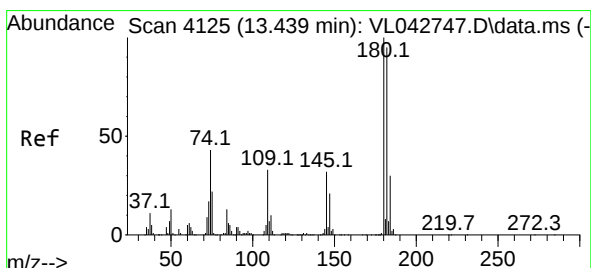
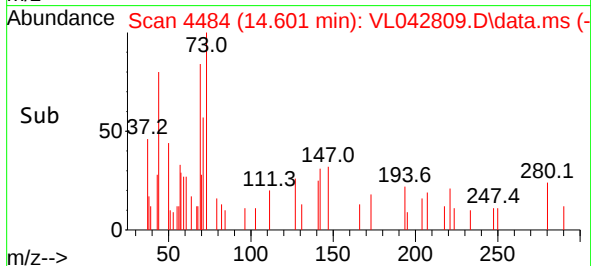
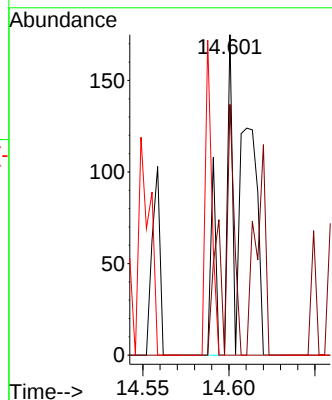
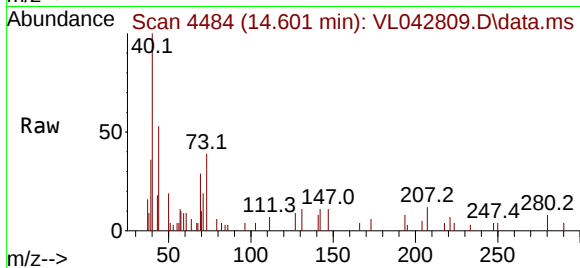
Acq: 04 Aug 2025 17:26

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:142	Resp:	144
Ion Ratio	Lower	Upper
142	100	
141	75.0	65.8 98.8
115	31.3	31.2 46.8



#81

1,2,4-Trichlorobenzene

Concen: 0.436 ppbv

RT: 13.445 min Scan# 4127

Delta R.T. 0.006 min

Lab File: VL042809.D

Acq: 04 Aug 2025 17:26

Tgt Ion:180	Resp:	24
Ion Ratio	Lower	Upper
180	100	
182	345.8	76.2 114.2#
184	0.0	24.8 37.2#

