

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042763.D
 Acq On : 24 Jul 2025 13:52
 Operator : SY/MD
 Sample : Q2671-05 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 25 01:26:39 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	152545	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	423795	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	382302	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	301001	9.942	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	4755	0.236	ppbv	97
3) Chlorodifluoromethane	1.467	51	407528	15.511	ppbv #	59
4) Chloromethane	1.535	50	9639	1.181	ppbv #	82
7) Chloroethane	1.467	64	19389	6.225	ppbv	92
9) Propene	1.486	41	13877	1.453	ppbv	93
10) Heptane	4.985	43	1143	0.044	ppbv #	39
11) Trichlorofluoromethane	1.881	101	2383	0.115	ppbv	85
12) 1,1,2-Trichlorotrifluo...	2.140	101	768	0.049	ppbv	90
13) Ethanol	1.722	45	38097	53.641	ppbv	90
15) Acetone	1.836	43	469831	22.305	ppbv	97
16) 1,3-Butadiene	1.603	39	8845	0.984	ppbv #	42
17) tert-Butyl alcohol	2.046	59	4732	0.249	ppbv #	77
19) Isopropyl Alcohol	1.887	45	22241	1.987	ppbv #	1
20) Methylene Chloride	2.062	84	2959	0.446	ppbv	86
21) Allyl Chloride	2.043	41	1350	0.104	ppbv #	1
23) Vinyl Acetate	2.451	43	4513	0.177	ppbv #	88
25) Ethyl Acetate	2.829	43	6136	0.132	ppbv #	87
26) Hexane	2.826	57	6609	0.323	ppbv #	2
27) Carbon Disulfide	2.150	76	1455	0.083	ppbv #	1
29) Chloroform	2.852	83	2574	0.081	ppbv	94
32) 1,1,1-Trichloroethane	3.373	97	1213	0.037	ppbv #	68
34) 2-Butanone	2.557	43	235290	7.838	ppbv	99
36) Benzene	3.658	78	5821	0.145	ppbv #	92
37) 1,2-Dichloroethane	3.221	62	556	0.023	ppbv #	87
38) Trichloroethene	4.548	130	1771	0.092	ppbv #	51
39) 1,2-Dichloropropane	3.962	63	109646	7.396	ppbv #	21
41) Tetrahydrofuran	3.056	42	24393	1.597	ppbv #	51
51) 2-Hexanone	7.445	43	15306	0.524	ppbv #	98
52) Tetrachloroethene	8.225	164	5241	0.315	ppbv #	77
53) Toluene	6.940	91	6462	0.150	ppbv	89
59) m/p-Xylene	9.555	91	1126	0.023	ppbv #	30
60) o-Xylene	9.969	91	2415	0.050	ppbv	95
61) Styrene	9.869	104	822	0.041	ppbv #	58
62) Isopropylbenzene	10.814	105	7688	0.108	ppbv #	49
64) n-propylbenzene	11.060	120	525	0.028	ppbv #	1
66) Benzyl Chloride	11.429	91	62847	12.119	ppbv #	66
67) sec-Butylbenzene	11.772	105	3385	0.038	ppbv #	57
69) p-Isopropyltoluene	11.924	119	3335	0.046	ppbv #	65
71) 2-Chlorotoluene	10.869	91	2265593	41.548	ppbv #	45
72) 4-Ethyltoluene	11.054	105	7414	0.129	ppbv #	81
73) 1,3,5-Trimethylbenzene	11.054	105	7414	0.156	ppbv #	41
74) 1,2,4-Trimethylbenzene	11.536	105	3016	0.058	ppbv #	53
79) Naphthalene	13.523	128	359	0.441	ppbv #	74

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

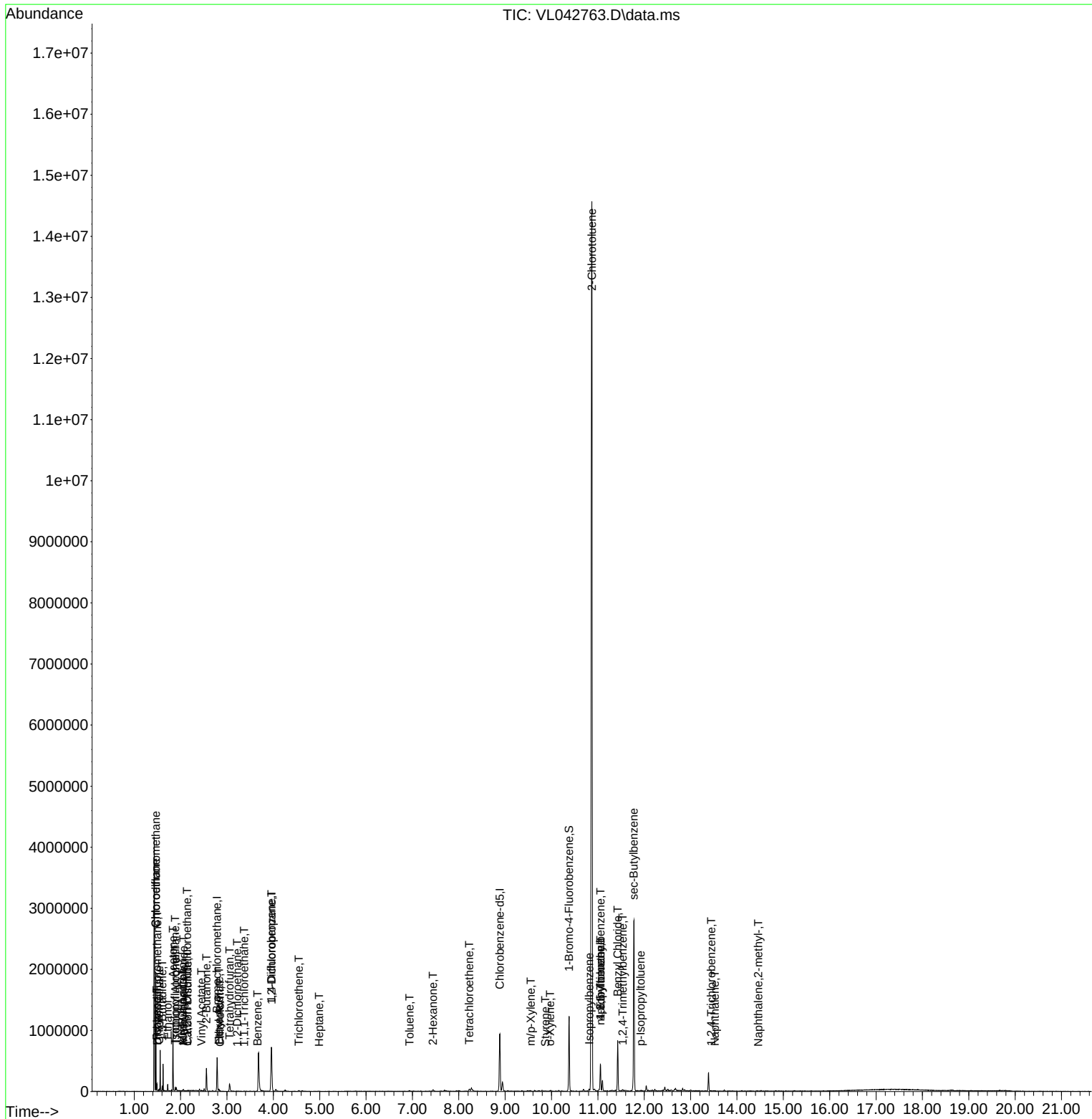
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MSVOA_L
ClientSampleId :

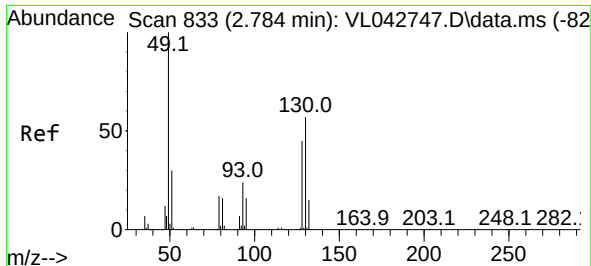
Quant Time: Jul 25 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	14.459	142	241	1.136	ppbv #	40
81) 1,2,4-Trichlorobenzene	13.445	180	45	0.436	ppbv #	1

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

Quant Time: Jul 25 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
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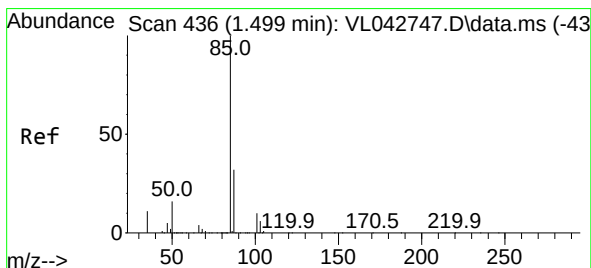
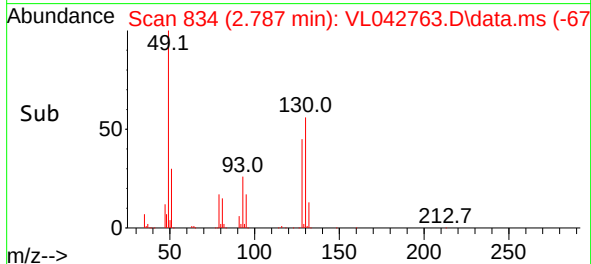
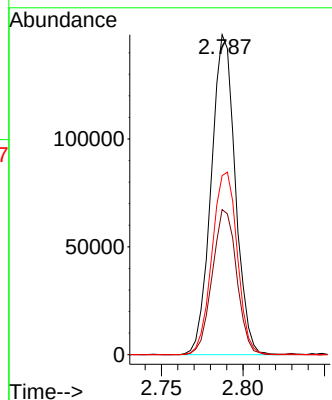
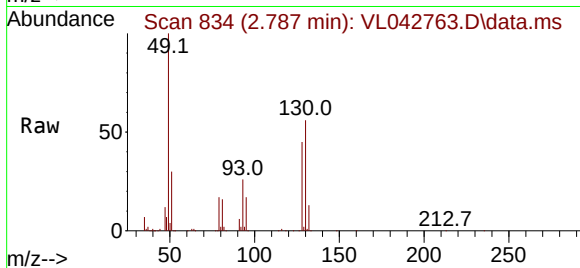




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 834
 Delta R.T. 0.003 min
 Lab File: VL042763.D
 Acq: 24 Jul 2025 13:52

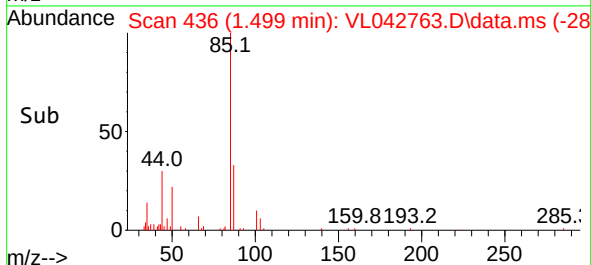
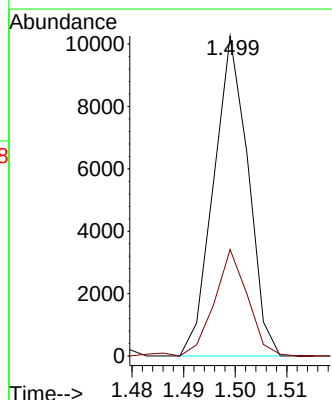
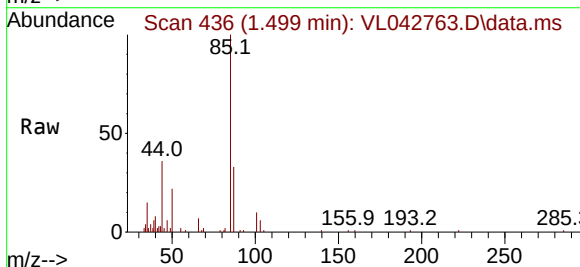
Instrument :
 MSVOA_L
 ClientSampleId :

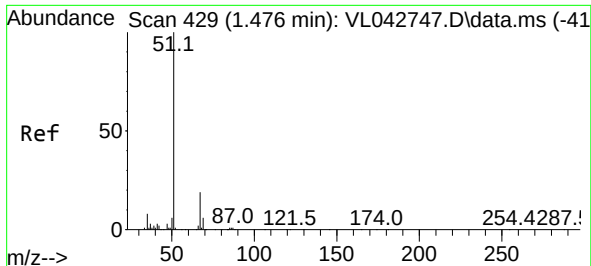
Tgt Ion: 49 Resp: 152545
 Ion Ratio Lower Upper
 49 100
 128 45.9 23.6 71.0
 130 59.7 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 0.236 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.000 min
 Lab File: VL042763.D
 Acq: 24 Jul 2025 13:52

Tgt Ion: 85 Resp: 4755
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.4 38.2

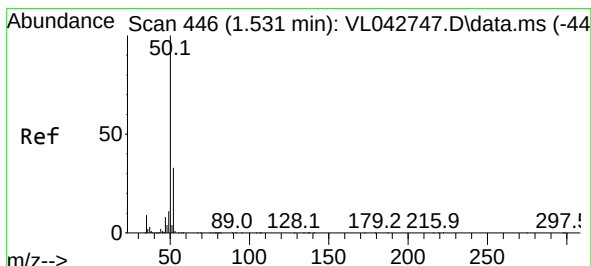
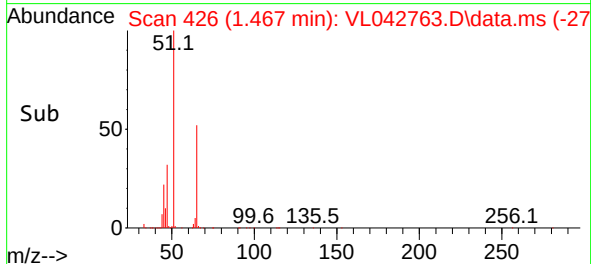
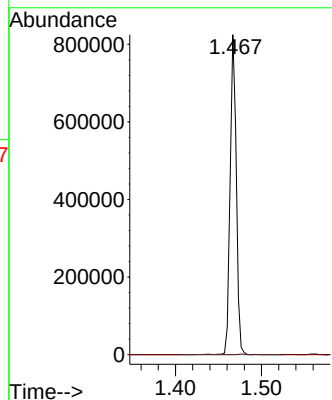
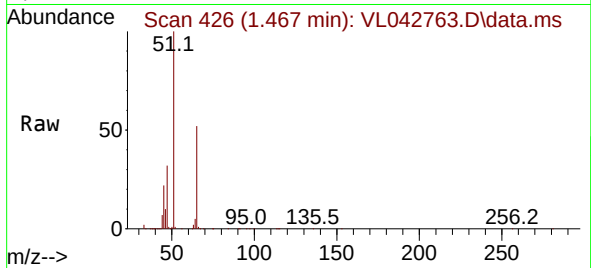




#3
Chlorodifluoromethane
Concen: 15.511 ppbv
RT: 1.467 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

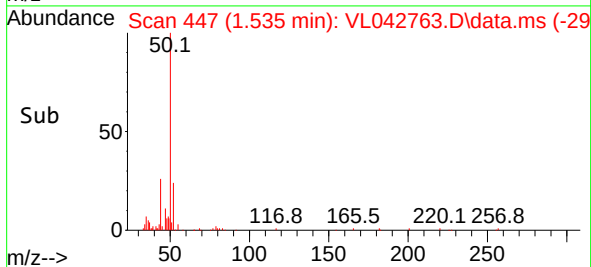
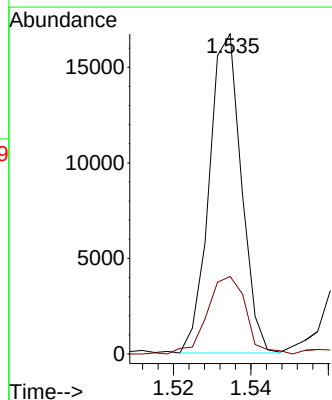
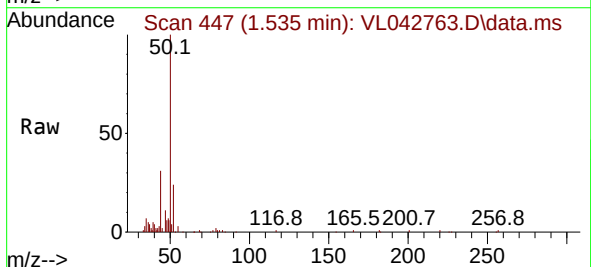
Instrument :
MSVOA_L
ClientSampleId :

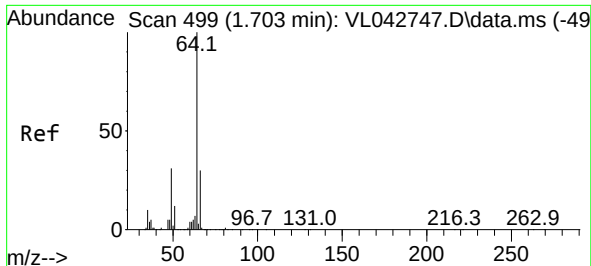
Tgt Ion: 51 Resp: 407528
Ion Ratio Lower Upper
51 100
67 0.2 15.0 22.6#



#4
Chloromethane
Concen: 1.181 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 50 Resp: 9639
Ion Ratio Lower Upper
50 100
52 23.3 26.6 40.0#

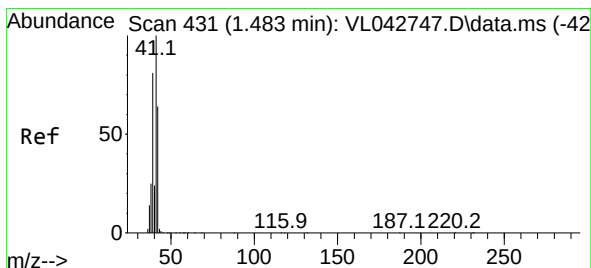
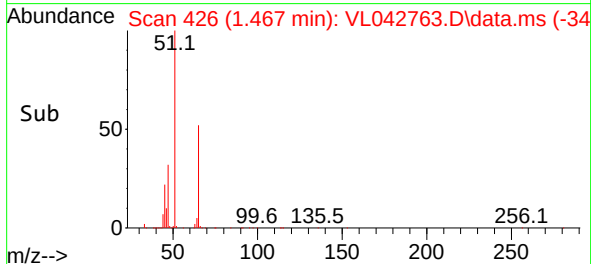
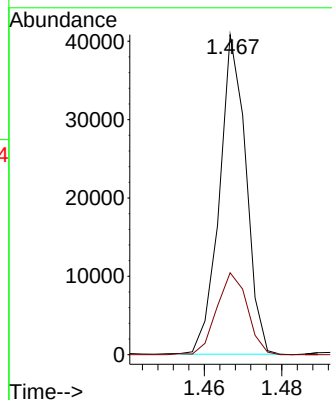
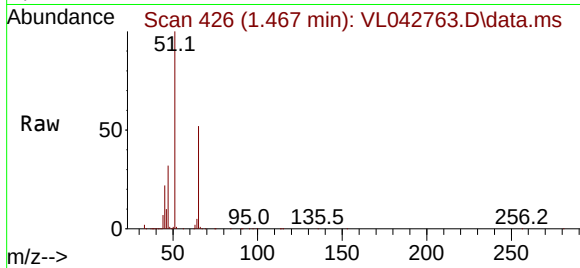




#7
Chloroethane
Concen: 6.225 ppbv
RT: 1.467 min Scan# 41
Delta R.T. -0.236 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

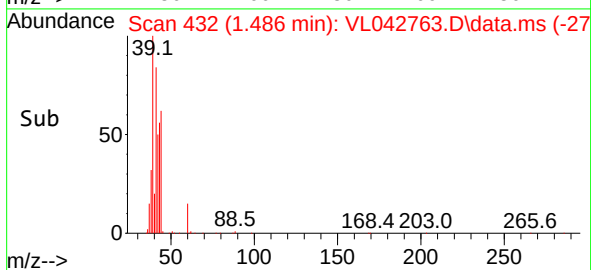
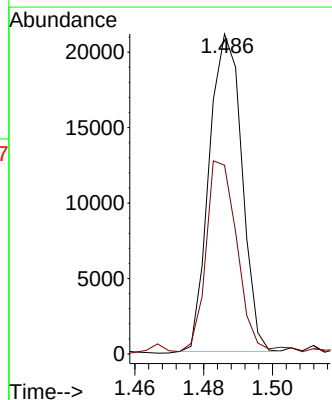
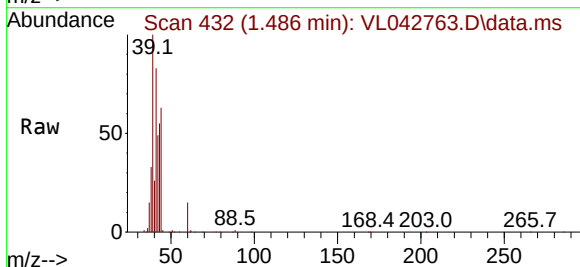
Instrument :
MSVOA_L
ClientSampleId :

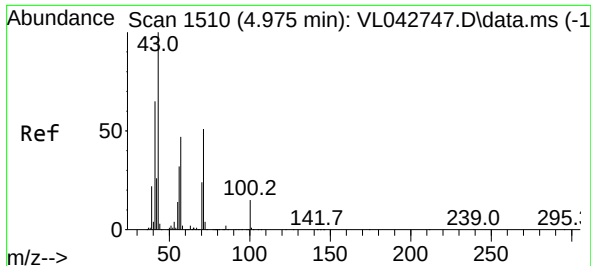
Tgt Ion: 64 Resp: 19389
Ion Ratio Lower Upper
64 100
66 25.6 24.1 36.1



#9
Propene
Concen: 1.453 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 41 Resp: 13877
Ion Ratio Lower Upper
41 100
42 60.8 53.2 79.8

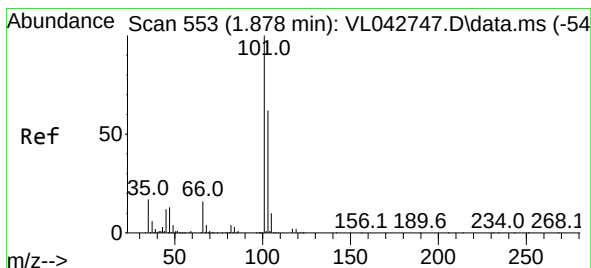
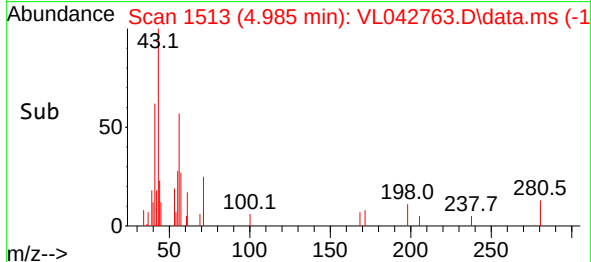
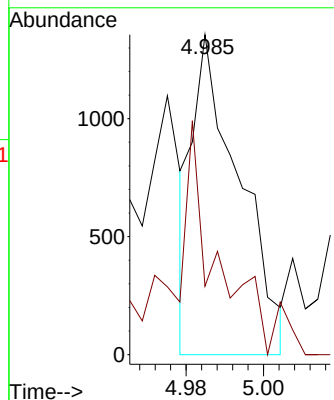
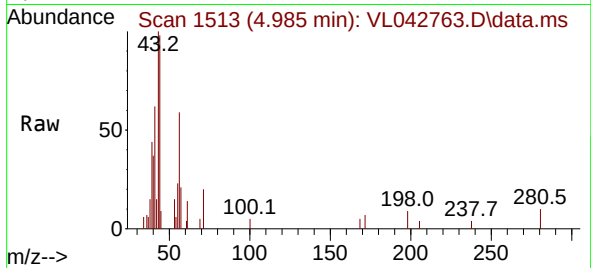




#10
Heptane
Concen: 0.044 ppbv
RT: 4.985 min Scan# 1143
Delta R.T. 0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

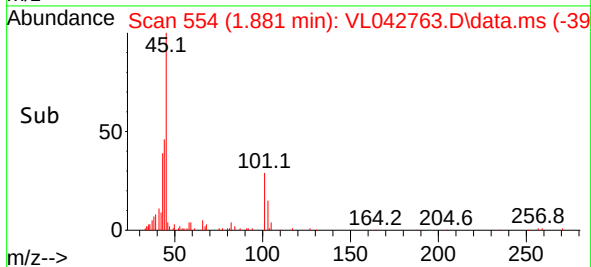
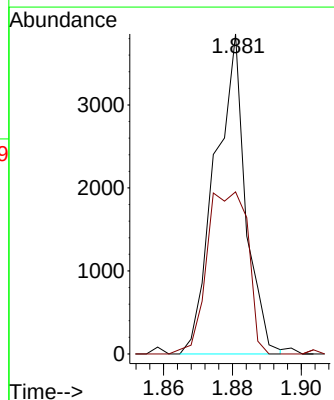
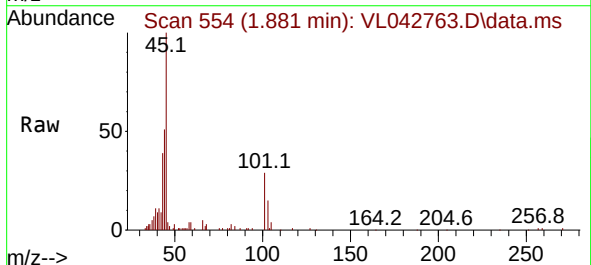
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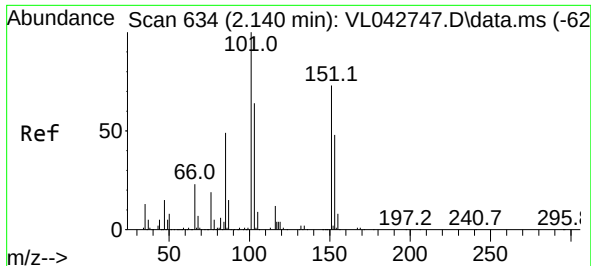
Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
57 91.8 39.9 59.9#



#11
Trichlorofluoromethane
Concen: 0.115 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:101 Resp: 2383
Ion Ratio Lower Upper
101 100
103 50.6 49.6 74.4

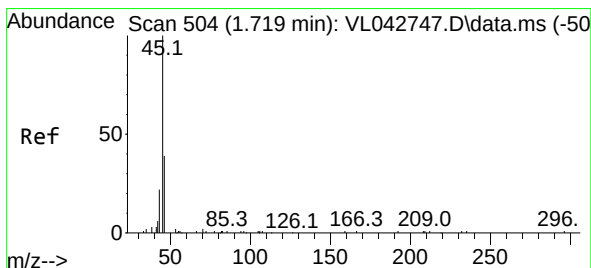
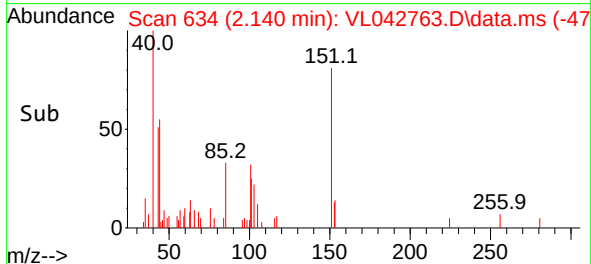
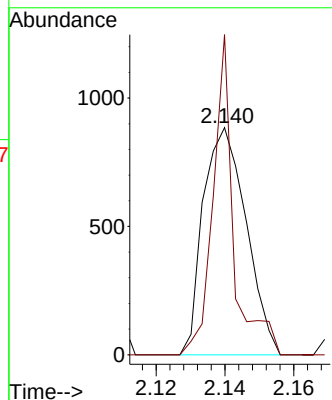
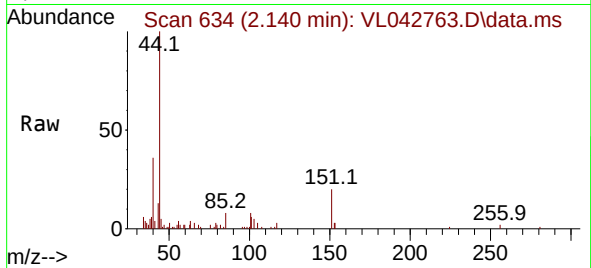




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.049 ppbv
RT: 2.140 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

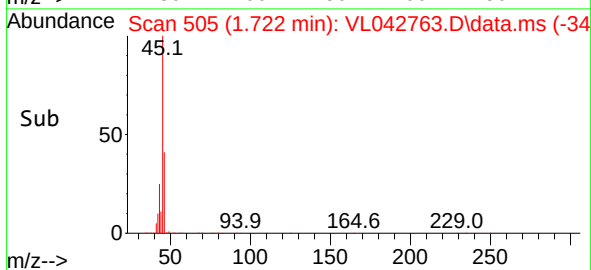
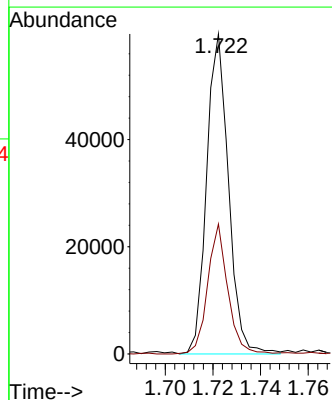
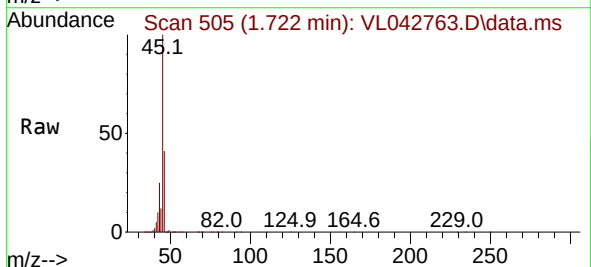
Instrument :
MSVOA_L
ClientSampleId :

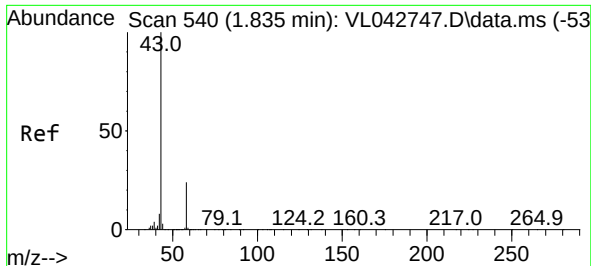
Tgt Ion:101 Resp: 768
Ion Ratio Lower Upper
101 100
151 67.1 60.5 90.7



#13
Ethanol
Concen: 53.641 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 45 Resp: 38097
Ion Ratio Lower Upper
45 100
46 38.1 17.8 71.4

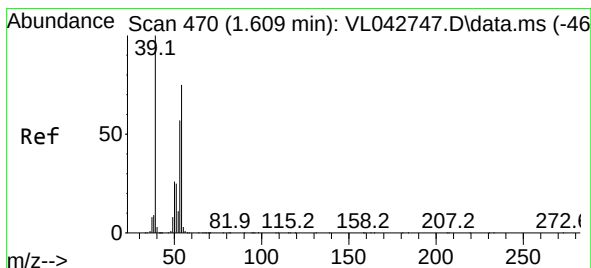
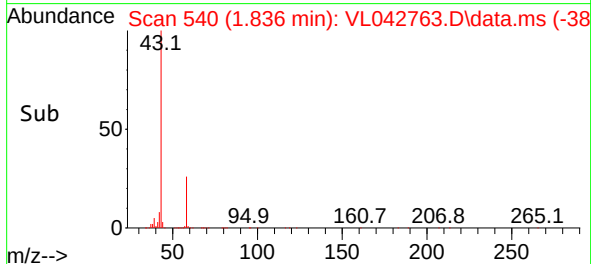
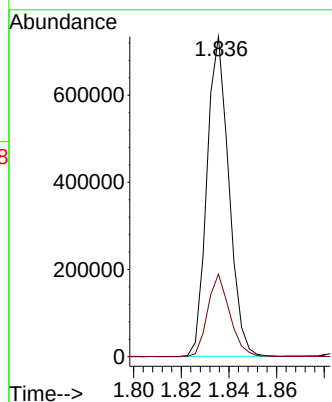
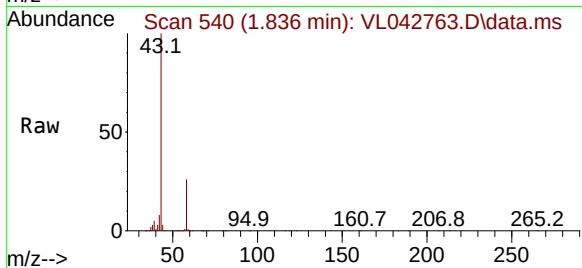




#15
Acetone
Concen: 22.305 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

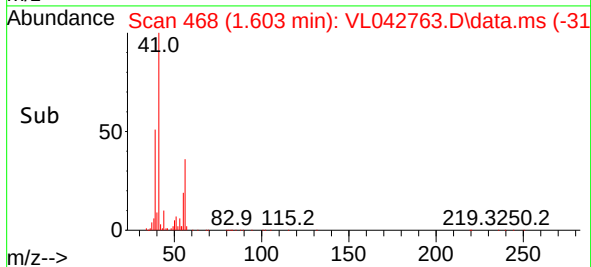
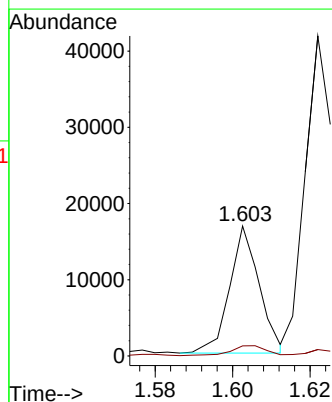
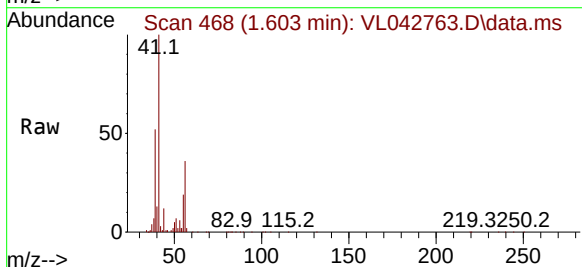
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MSVOA_L
ClientSampleId :

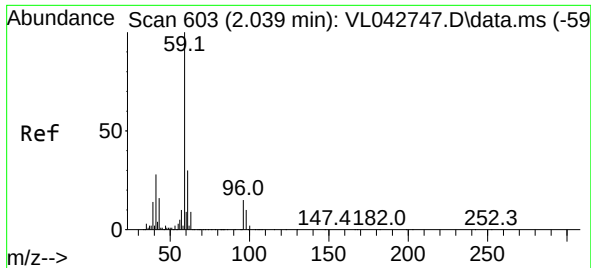
Tgt Ion: 43 Resp: 469831
Ion Ratio Lower Upper
43 100
58 26.3 19.8 29.8



#16
1,3-Butadiene
Concen: 0.984 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.006 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 39 Resp: 8845
Ion Ratio Lower Upper
39 100
54 21.1 54.5 81.7#

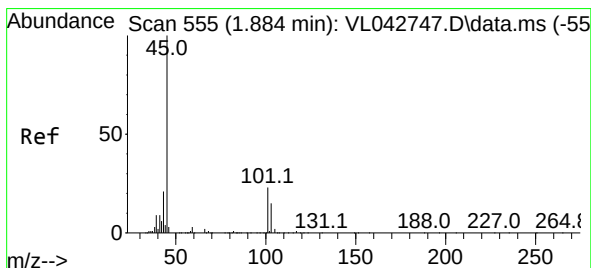
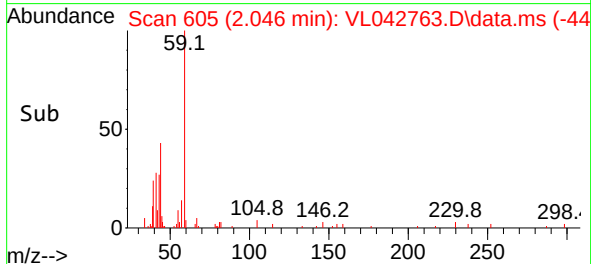
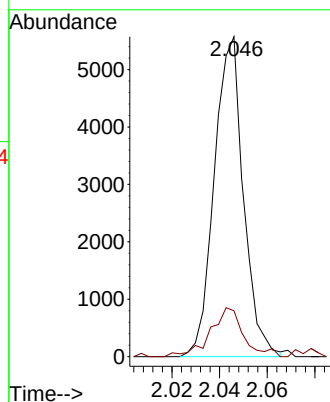
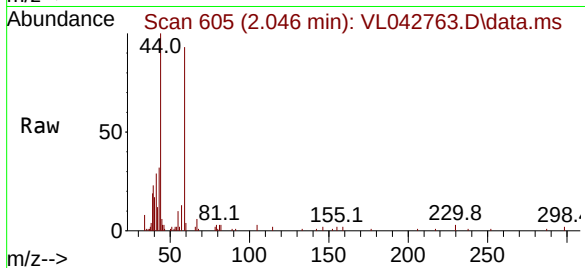




#17
tert-Butyl alcohol
Concen: 0.249 ppbv
RT: 2.046 min Scan# 603
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

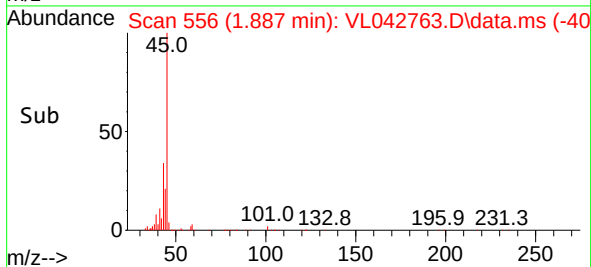
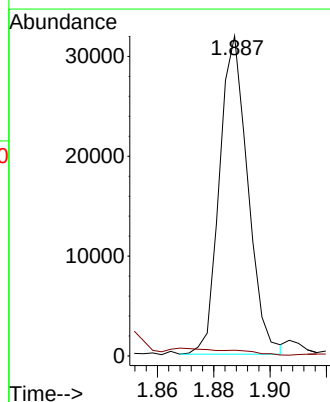
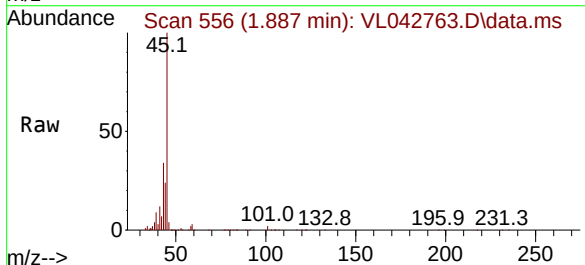
Instrument :
MSVOA_L
ClientSampleId :

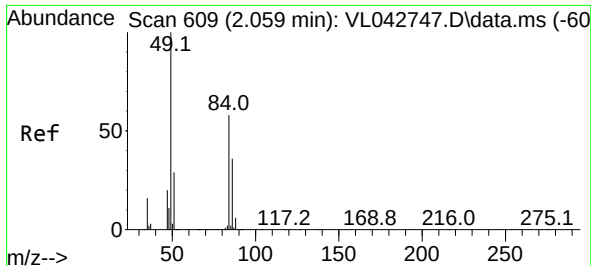
Tgt Ion: 59 Resp: 4732
Ion Ratio Lower Upper
59 100
57 18.9 8.3 12.5#



#19
Isopropyl Alcohol
Concen: 1.987 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

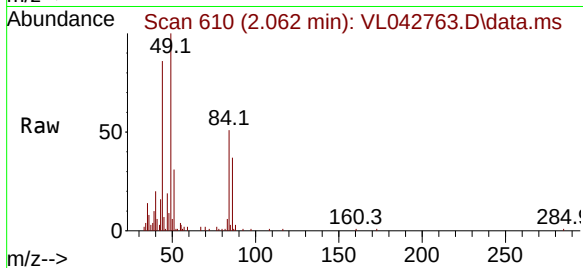
Tgt Ion: 45 Resp: 22241
Ion Ratio Lower Upper
45 100
58 555.4 30.0 45.0#



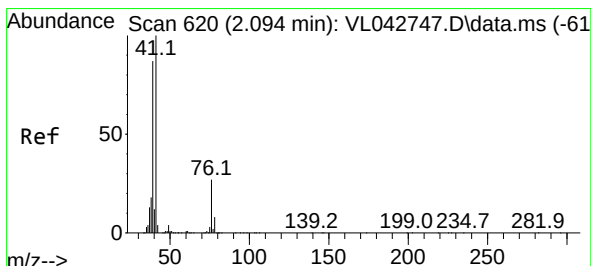
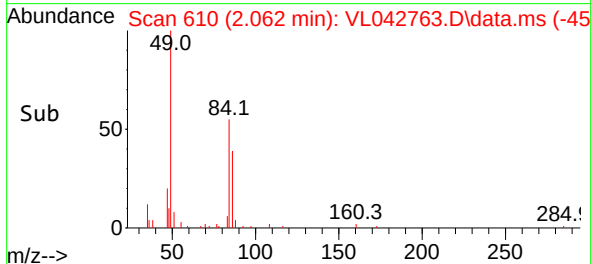
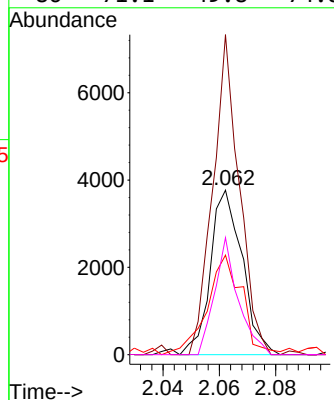


#20
Methylene Chloride
Concen: 0.446 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :

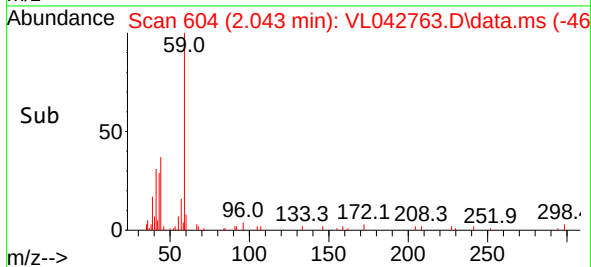
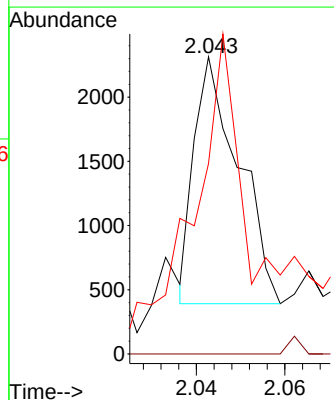
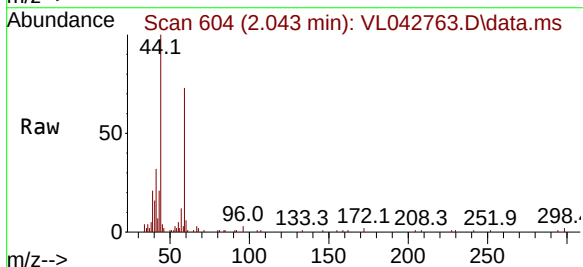


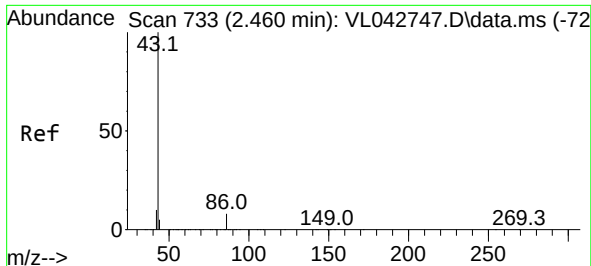
Tgt Ion: 84	Resp: 2959
Ion Ratio	Lower Upper
84 100	
49 194.6	138.6 208.0
51 58.6	40.6 61.0
86 71.1	49.8 74.8



#21
Allyl Chloride
Concen: 0.104 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.052 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 41	Resp: 1350		
Ion Ratio	Lower	Upper	
41 100			
76 0.0	21.1	31.7#	
39 242.3	68.3	102.5#	

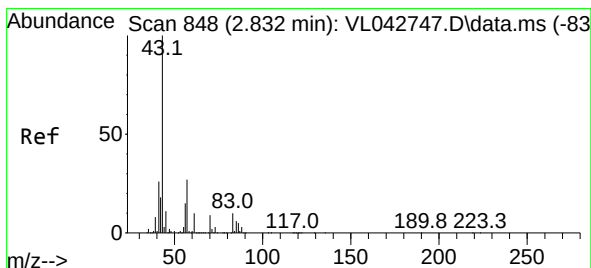
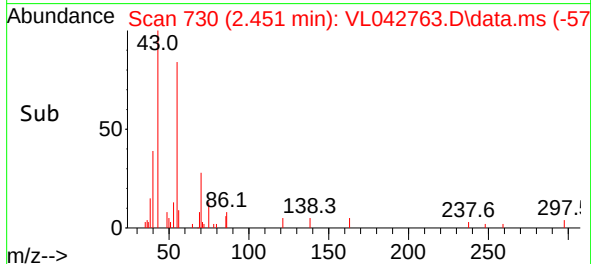
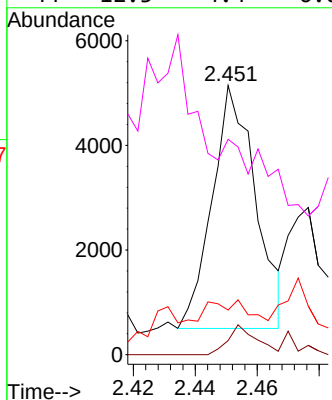
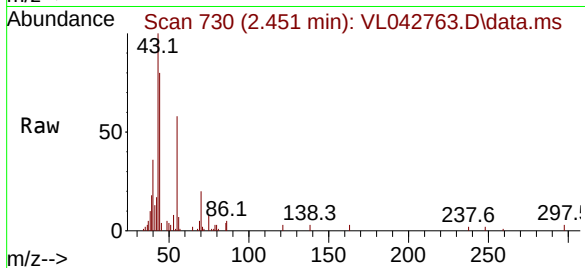




#23
 Vinyl Acetate
 Concen: 0.177 ppbv
 RT: 2.451 min Scan# 71
 Delta R.T. -0.010 min
 Lab File: VL042763.D
 Acq: 24 Jul 2025 13:52

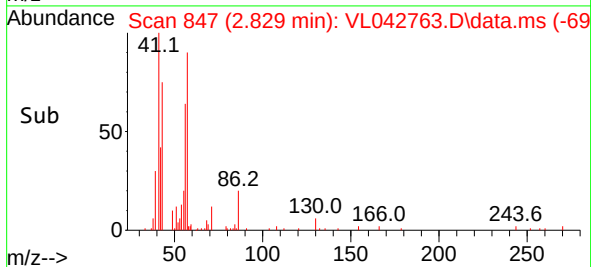
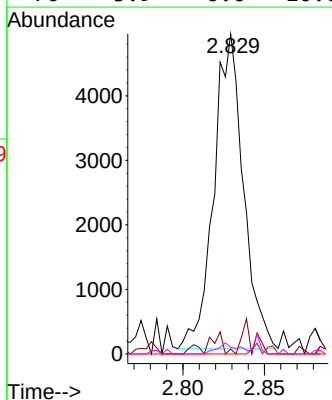
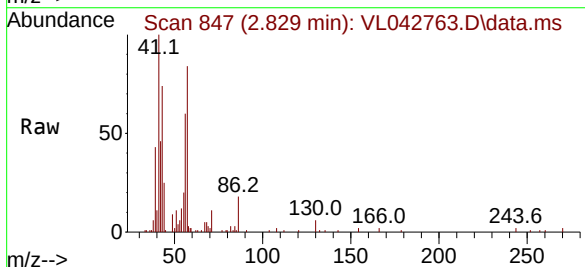
Instrument :
 MSVOA_L
 ClientSampleId :

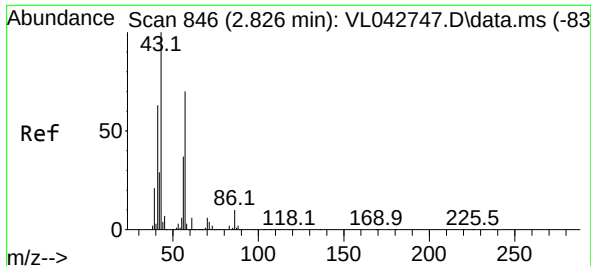
Tgt Ion: 43	Resp: 4513
Ion Ratio	Lower Upper
43 100	
86 5.8	6.1 9.1#
42 5.3	7.8 11.8#
44 12.3	4.4 6.6#



#25
 Ethyl Acetate
 Concen: 0.132 ppbv
 RT: 2.829 min Scan# 847
 Delta R.T. -0.003 min
 Lab File: VL042763.D
 Acq: 24 Jul 2025 13:52

Tgt	Ion: 43	Resp:	6136
Ion	Ratio	Lower	Upper
43	100		
45	7.8	7.8	11.6#
61	0.0	6.7	10.1#
70	3.9	6.6	10.0#

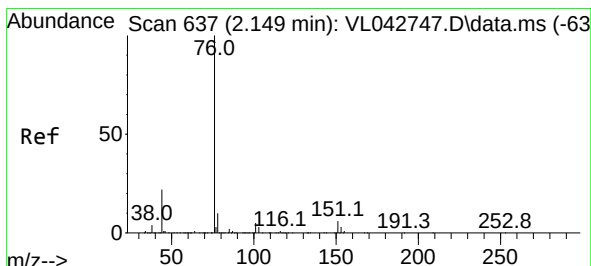
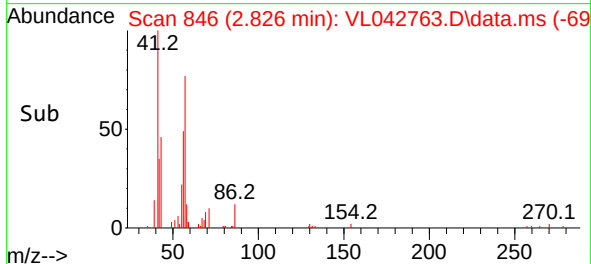
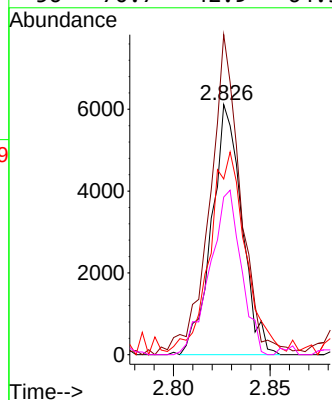
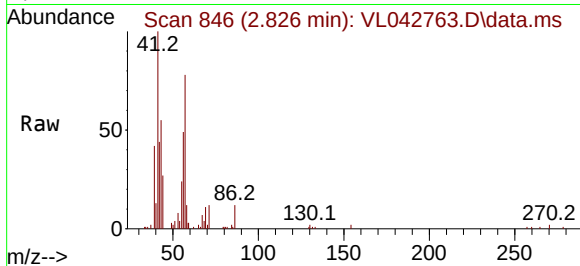




#26
Hexane
Concen: 0.323 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

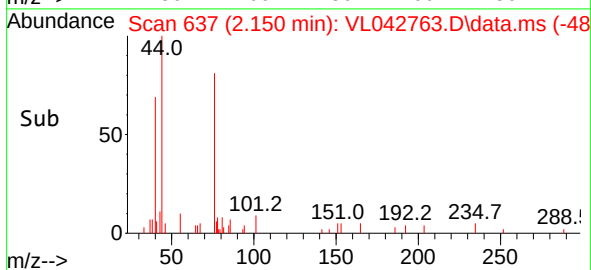
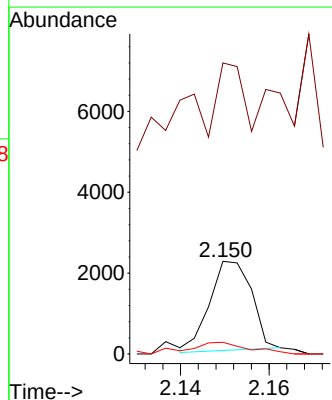
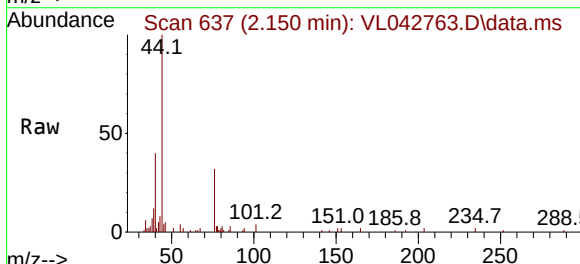
Instrument :
MSVOA_L
ClientSampleId :

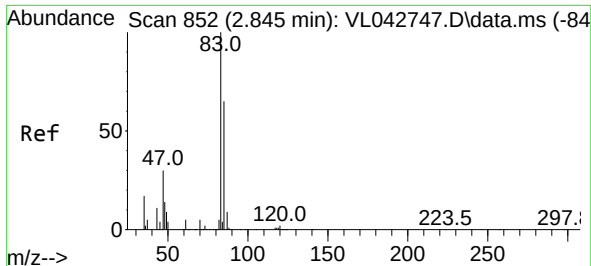
Tgt Ion: 57 Resp: 6609
Ion Ratio Lower Upper
57 100
41 131.2 75.4 113.2#
43 0.0 185.0 277.6#
56 70.7 42.9 64.3#



#27
Carbon Disulfide
Concen: 0.083 ppbv
RT: 2.150 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 76 Resp: 1455
Ion Ratio Lower Upper
76 100
44 544.0 19.3 28.9#
78 21.1 9.9 14.9#





#29

Chloroform

Concen: 0.081 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Instrument :

MSVOA_L

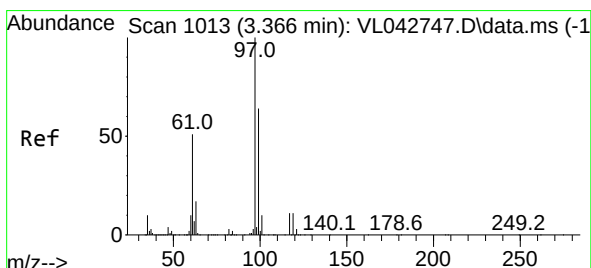
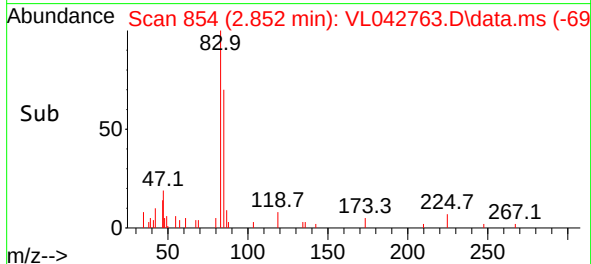
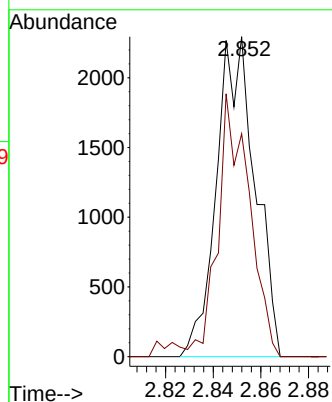
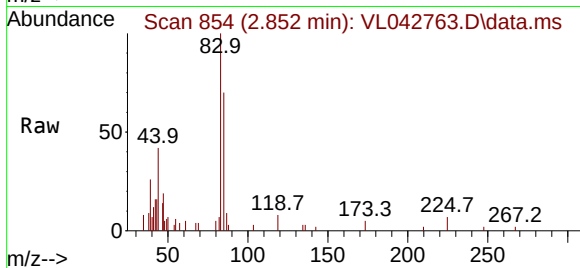
ClientSampleId :

Tgt Ion: 83 Resp: 2574

Ion Ratio Lower Upper

83 100

85 69.6 52.2 78.2



#32

1,1,1-Trichloroethane

Concen: 0.037 ppbv

RT: 3.373 min Scan# 1015

Delta R.T. 0.007 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

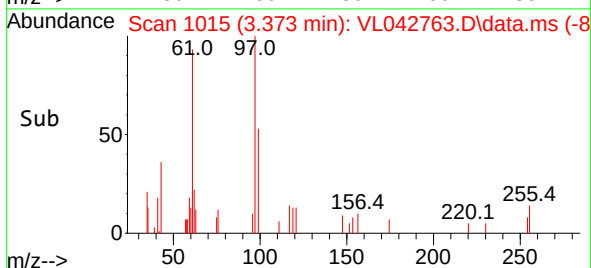
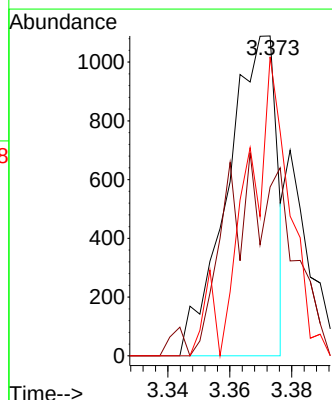
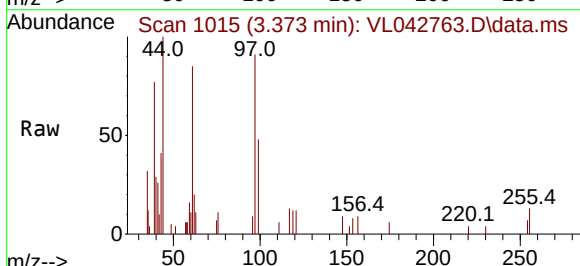
Tgt Ion: 97 Resp: 1213

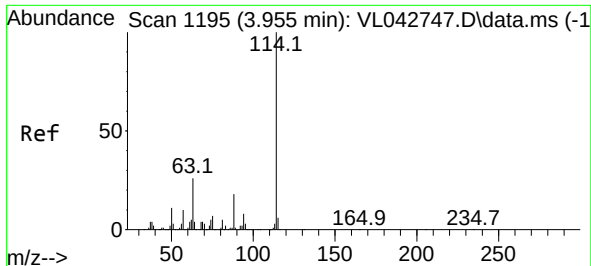
Ion Ratio Lower Upper

97 100

99 81.8 51.0 76.6#

61 81.7 40.9 61.3#

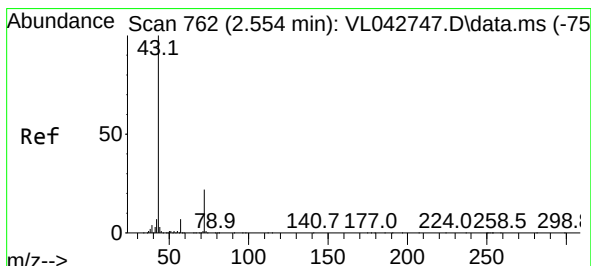
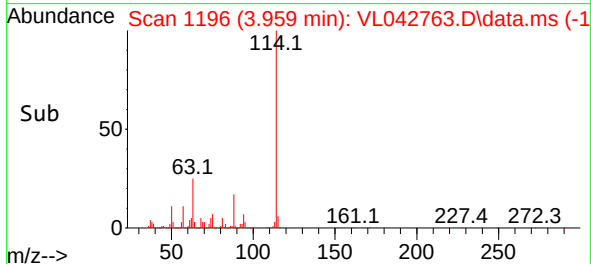
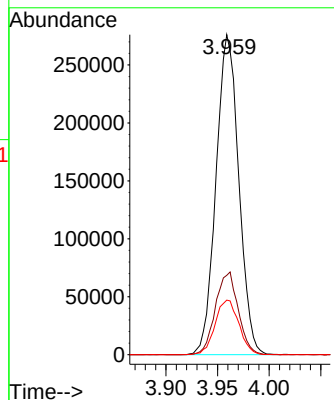
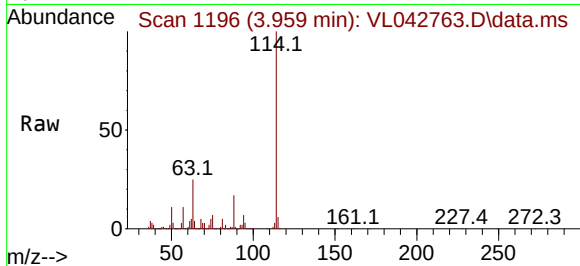




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. 0.003 min
 Lab File: VL042763.D
 Acq: 24 Jul 2025 13:52

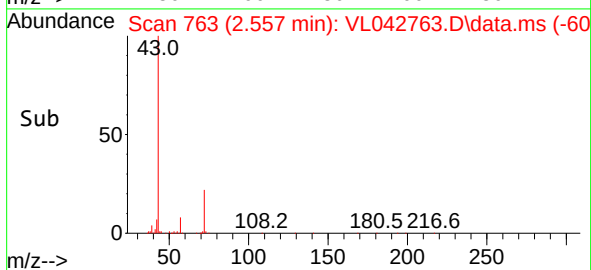
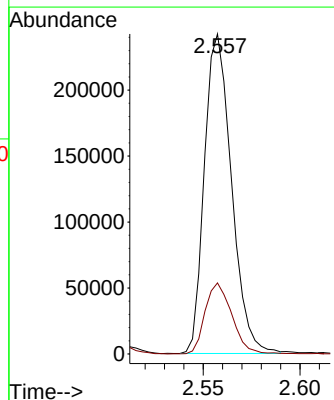
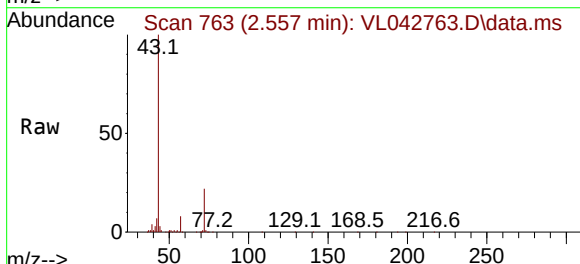
Instrument :
 MSVOA_L
 ClientSampleId :

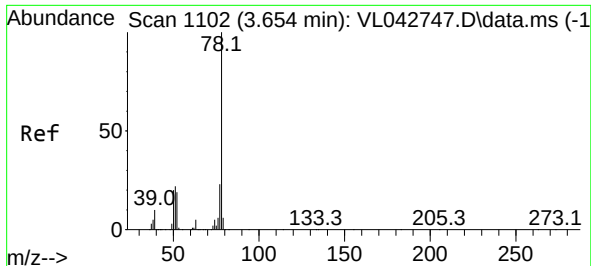
Tgt Ion:114 Resp: 423795
 Ion Ratio Lower Upper
 114 100
 63 25.9 20.5 30.7
 88 17.8 14.0 21.0



#34
 2-Butanone
 Concen: 7.838 ppbv
 RT: 2.557 min Scan# 763
 Delta R.T. 0.003 min
 Lab File: VL042763.D
 Acq: 24 Jul 2025 13:52

Tgt Ion: 43 Resp: 235290
 Ion Ratio Lower Upper
 43 100
 72 22.2 17.4 26.0

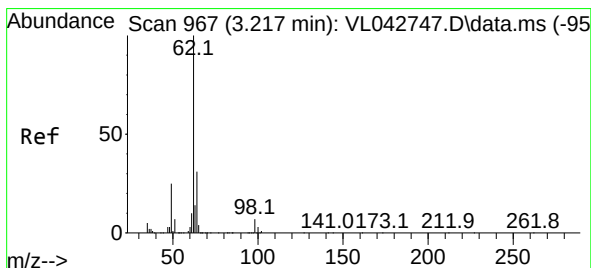
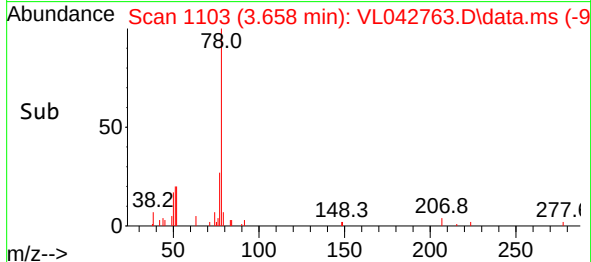
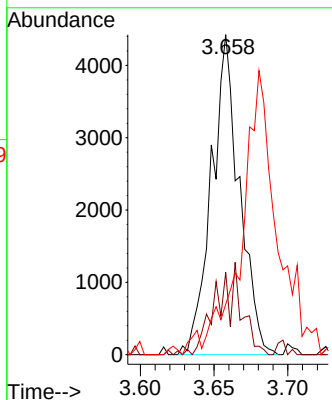
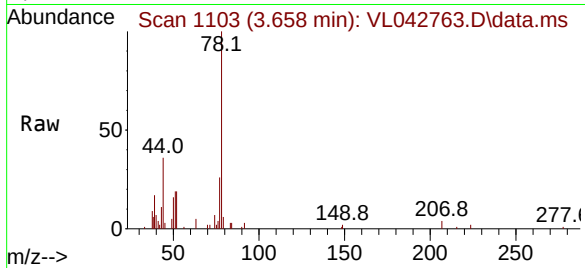




#36
Benzene
Concen: 0.145 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

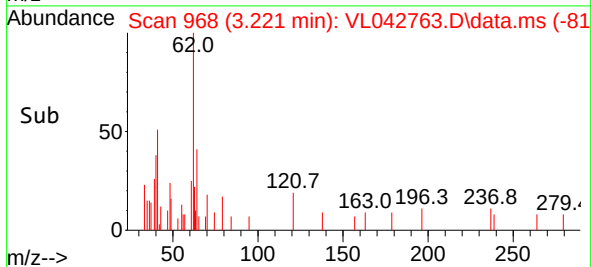
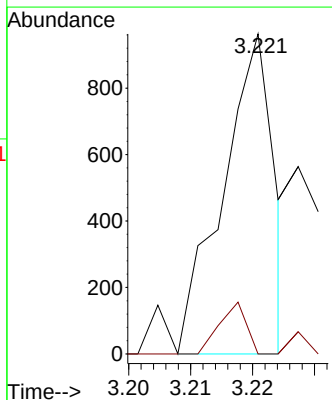
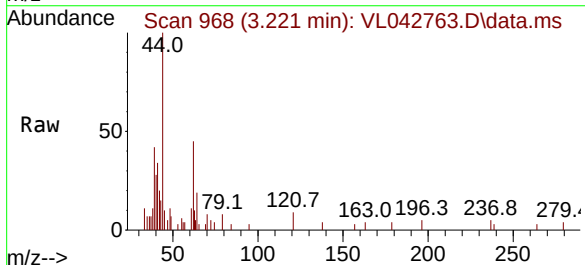
Instrument :
MSVOA_L
ClientSampleId :

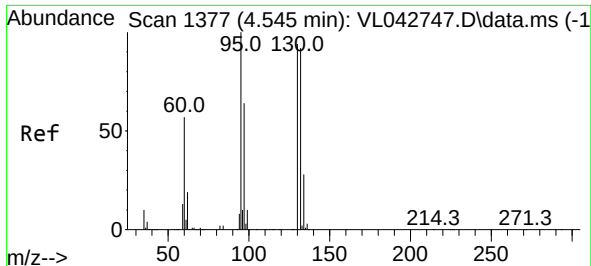
Tgt Ion: 78 Resp: 5821
Ion Ratio Lower Upper
78 100
77 24.6 18.5 27.7
50 14.4 16.2 24.2#



#37
1,2-Dichloroethane
Concen: 0.023 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

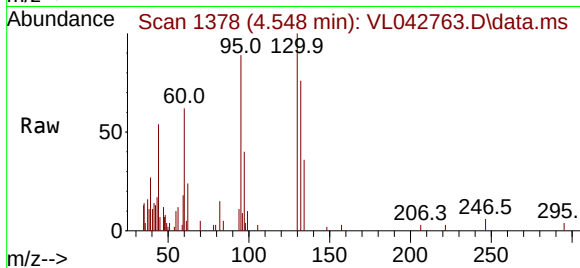
Tgt Ion: 62 Resp: 556
Ion Ratio Lower Upper
62 100
98 10.8 5.2 7.8#



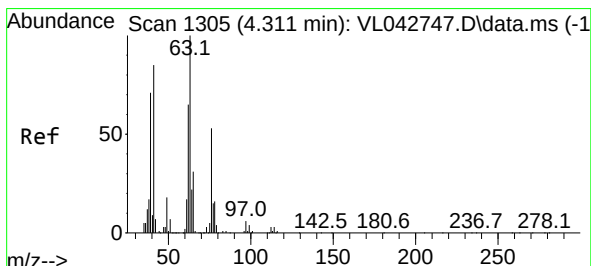
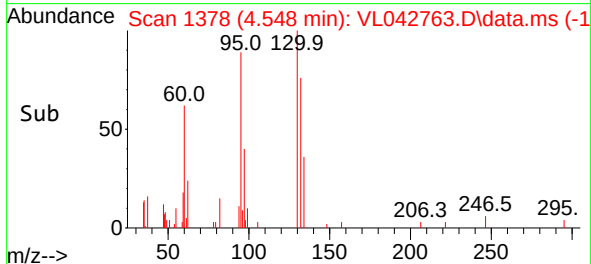
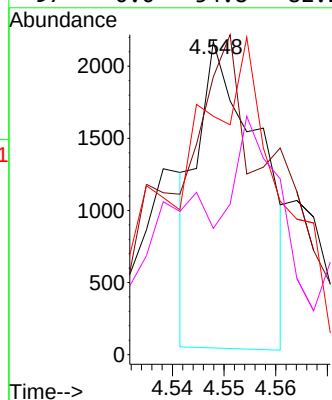


#38
 Trichloroethene
 Concen: 0.092 ppbv
 RT: 4.548 min Scan# 1197
 Delta R.T. 0.003 min
 Lab File: VL042763.D
 Acq: 24 Jul 2025 13:52

Instrument :
 MSVOA_L
 ClientSampleId :

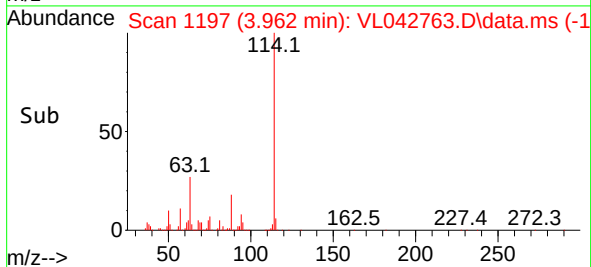
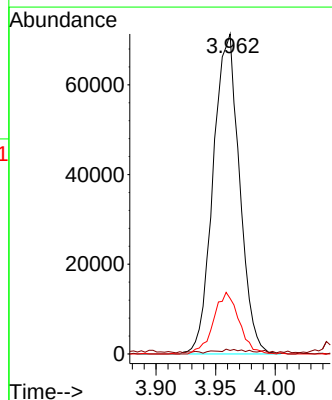
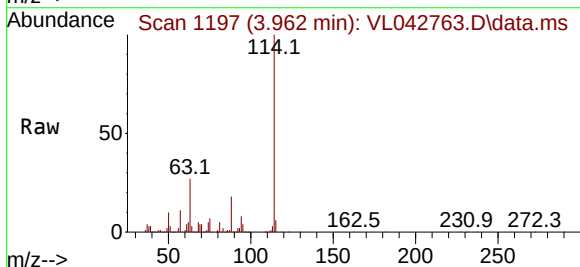


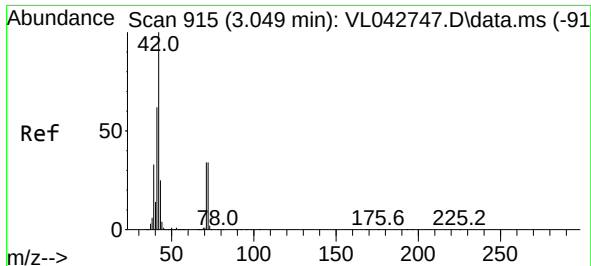
Tgt Ion:	130	Resp:	1771
Ion	Ratio	Lower	Upper
130	100		
95	71.8	85.4	128.2#
132	57.3	78.2	117.2#
97	0.0	54.8	82.2#



#39
 1,2-Dichloropropane
 Concen: 7.396 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. -0.349 min
 Lab File: VL042763.D
 Acq: 24 Jul 2025 13:52

Tgt Ion:	63	Resp:	109646
Ion	Ratio	Lower	Upper
63	100		
41	0.4	68.2	102.4#
62	17.4	52.0	78.0#

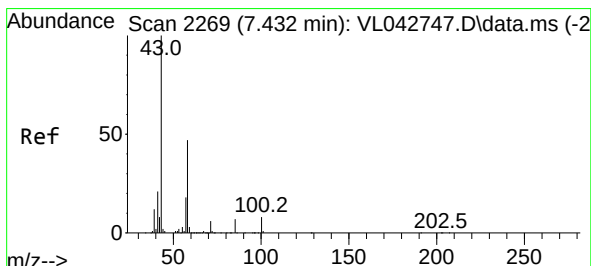
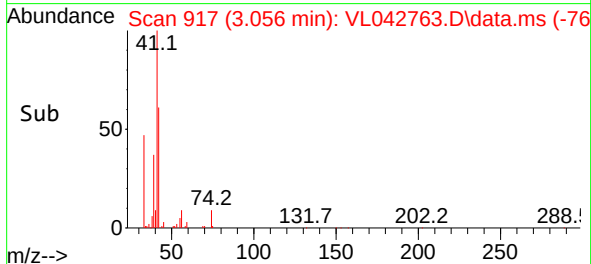
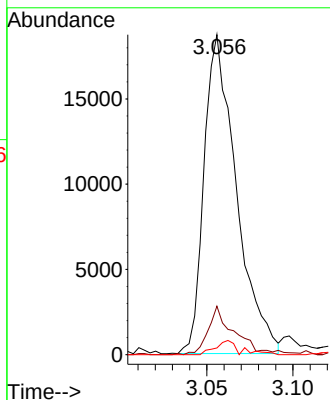
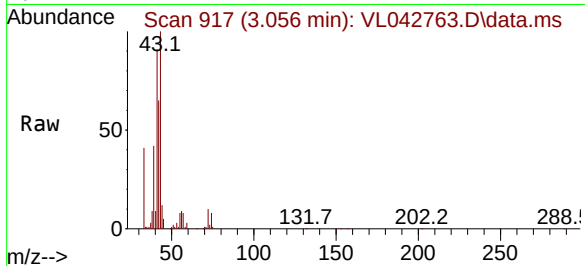




#41
Tetrahydrofuran
Concen: 1.597 ppbv
RT: 3.056 min Scan# 915
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

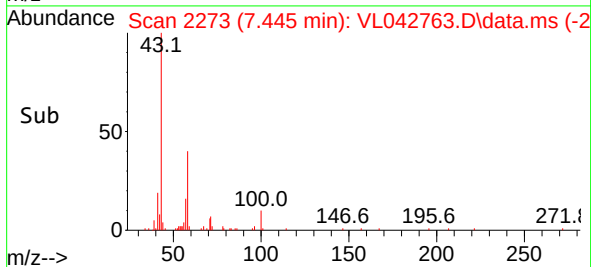
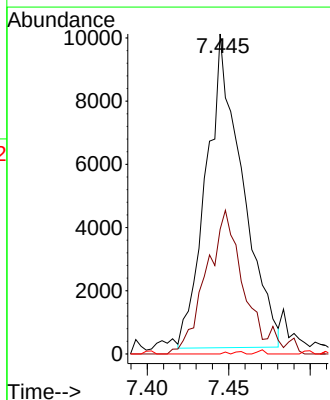
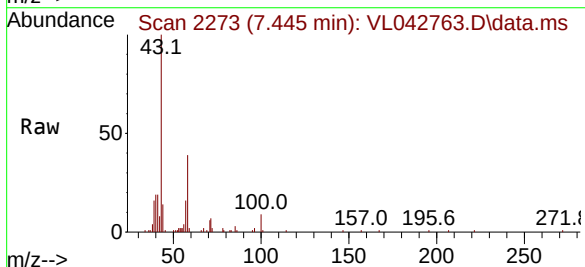
Instrument :
MSVOA_L
ClientSampleId :

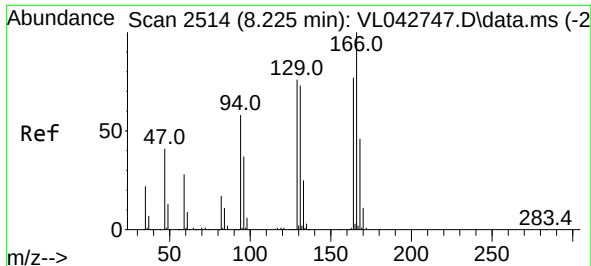
Tgt Ion: 42 Resp: 24393
Ion Ratio Lower Upper
42 100
72 12.9 30.9 46.3#
71 3.4 28.6 43.0#



#51
2-Hexanone
Concen: 0.524 ppbv
RT: 7.445 min Scan# 2273
Delta R.T. 0.013 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 43 Resp: 15306
Ion Ratio Lower Upper
43 100
58 48.9 38.0 57.0
98 0.0 0.2 0.4#

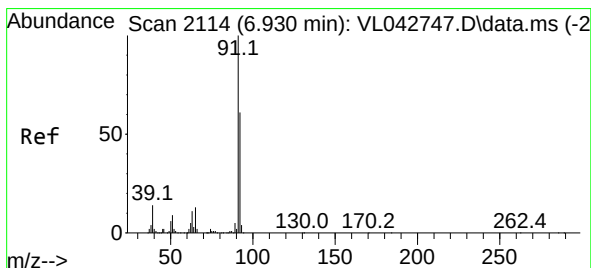
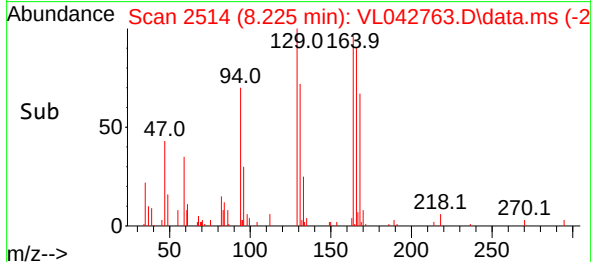
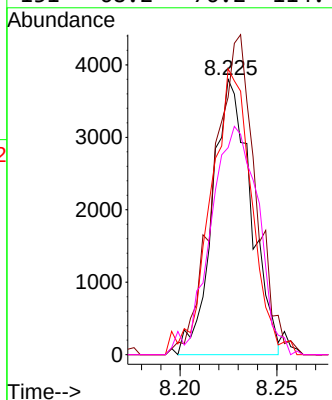
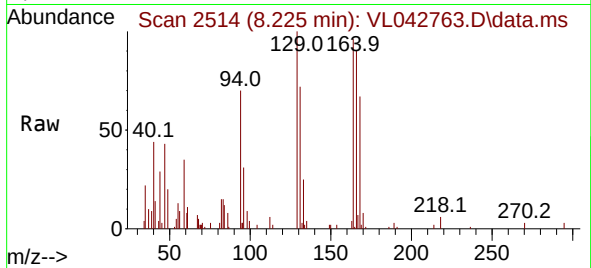




#52
Tetrachloroethene
Concen: 0.315 ppbv
RT: 8.225 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

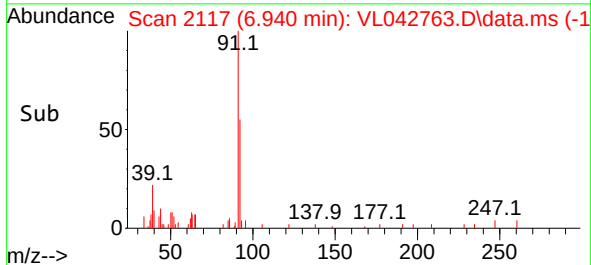
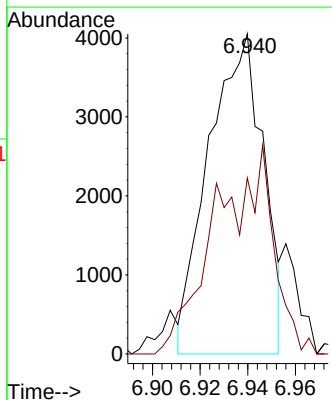
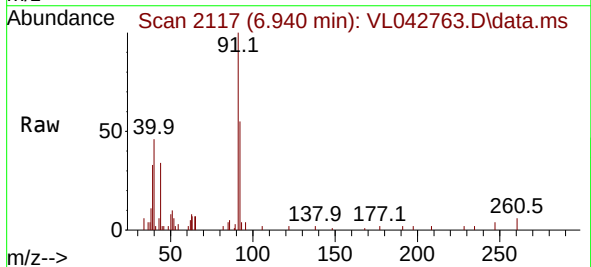
Instrument :
MSVOA_L
ClientSampleId :

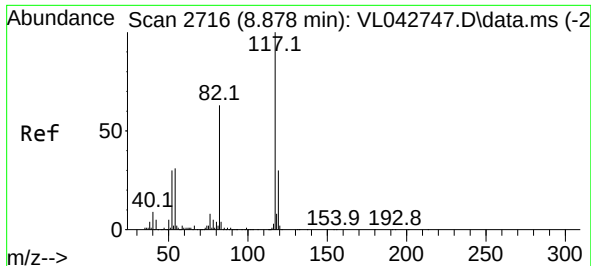
Tgt Ion:164 Resp: 5241
Ion Ratio Lower Upper
164 100
166 89.0 104.0 156.0#
129 100.3 79.2 118.8
131 68.2 76.2 114.4#



#53
Toluene
Concen: 0.150 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 91 Resp: 6462
Ion Ratio Lower Upper
91 100
92 68.2 48.0 72.0

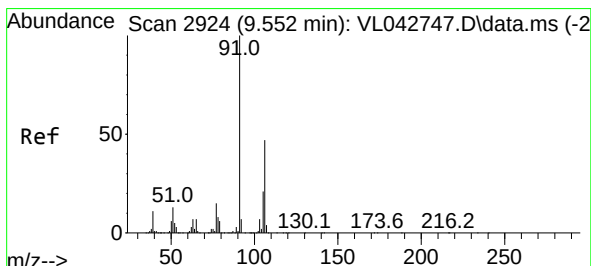
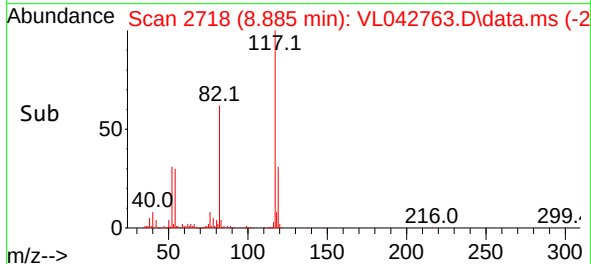
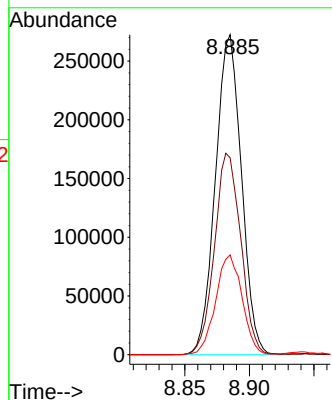
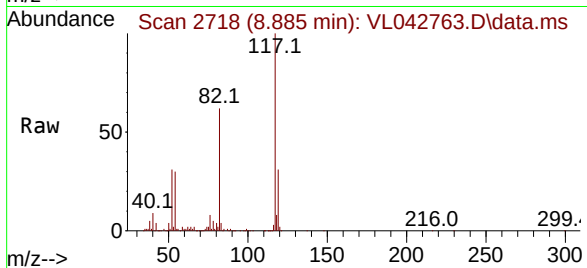




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

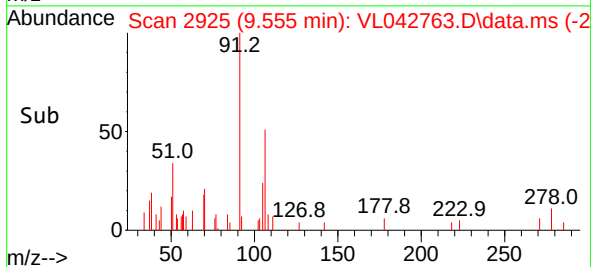
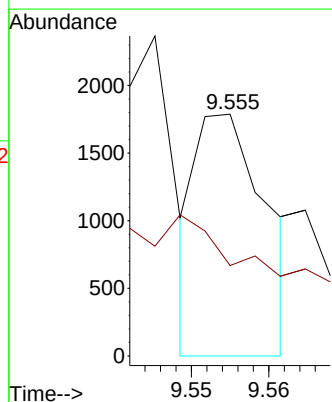
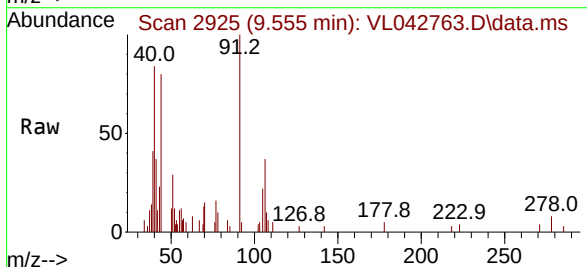
Instrument :
MSVOA_L
ClientSampleId :

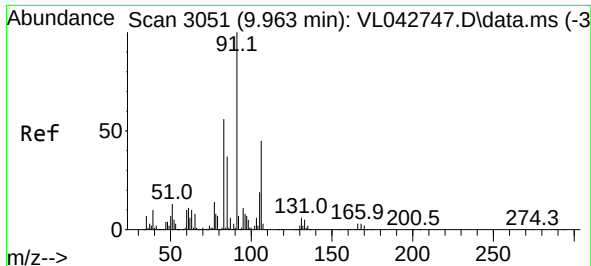
Tgt Ion:117 Resp: 382302
Ion Ratio Lower Upper
117 100
82 63.9 53.3 79.9
119 31.7 25.8 38.6



#59
m/p-Xylene
Concen: 0.023 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 91 Resp: 1126
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#

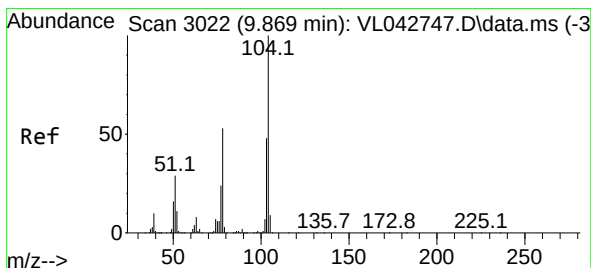
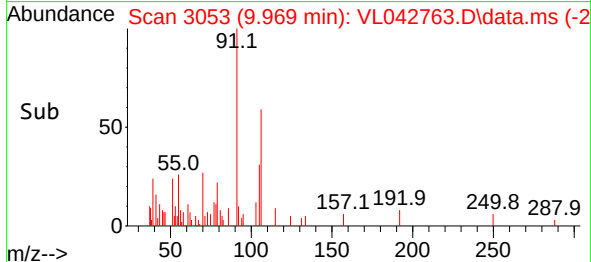
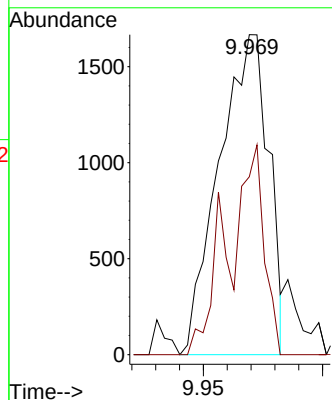
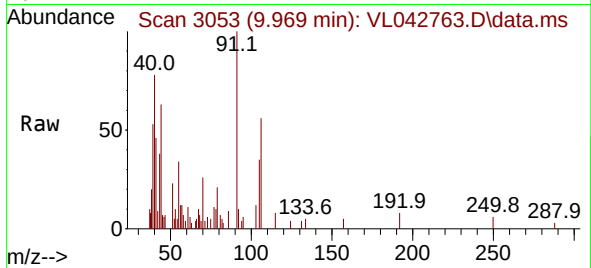




#60
o-Xylene
Concen: 0.050 ppbv
RT: 9.969 min Scan# 3051
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

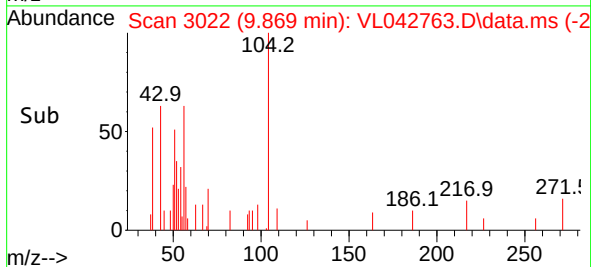
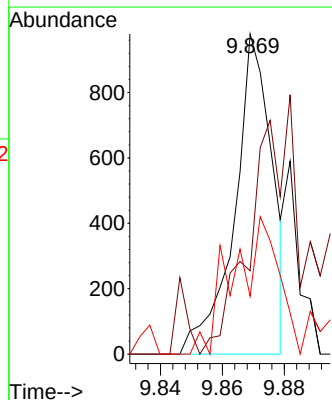
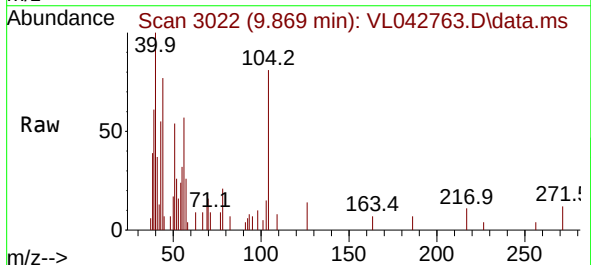
Instrument :
MSVOA_L
ClientSampleId :

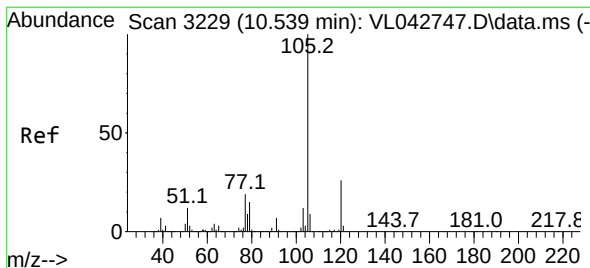
Tgt Ion: 91 Resp: 2415
Ion Ratio Lower Upper
91 100
106 47.2 22.0 66.0



#61
Styrene
Concen: 0.041 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:104 Resp: 822
Ion Ratio Lower Upper
104 100
78 11.1 41.5 62.3#
103 62.8 37.5 56.3#





#62

Isopropylbenzene

Concen: 0.108 ppbv

RT: 10.814 min Scan# 3314

Delta R.T. 0.275 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Instrument :

MSVOA_L

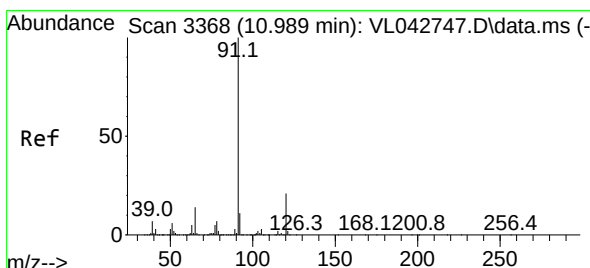
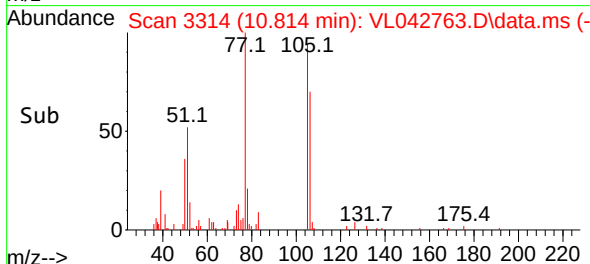
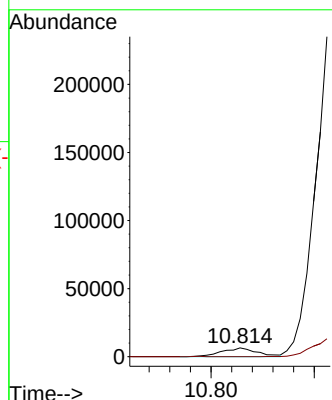
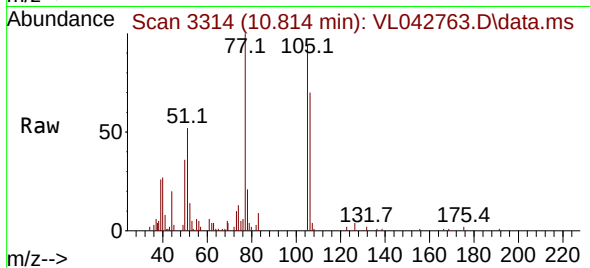
ClientSampleId :

Tgt Ion:105 Resp: 7688

Ion Ratio Lower Upper

105 100

120 0.0 20.5 30.7#



#64

n-propylbenzene

Concen: 0.028 ppbv

RT: 11.060 min Scan# 3390

Delta R.T. 0.071 min

Lab File: VL042763.D

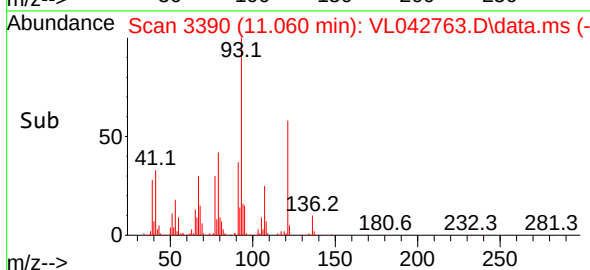
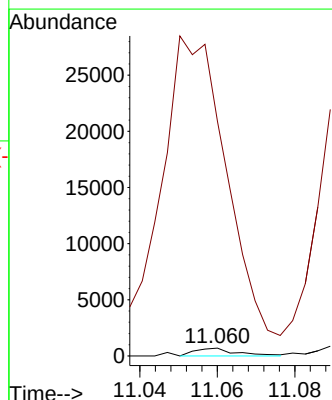
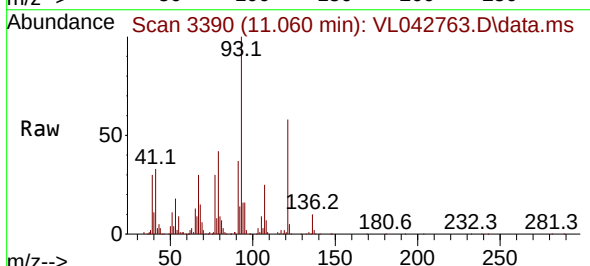
Acq: 24 Jul 2025 13:52

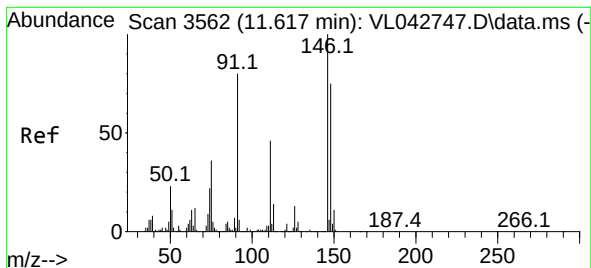
Tgt Ion:120 Resp: 525

Ion Ratio Lower Upper

120 100

91 0.0 372.7 559.1#

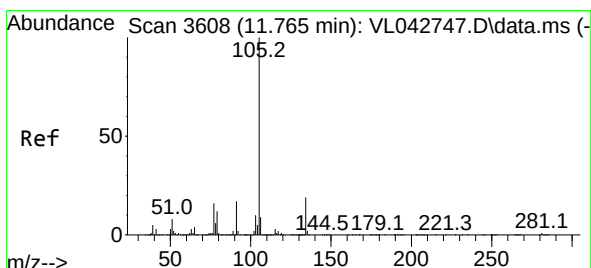
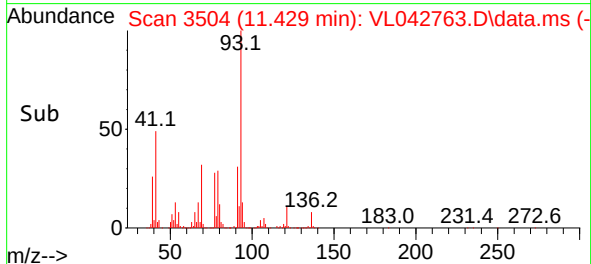
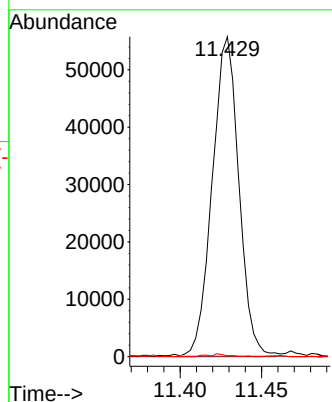
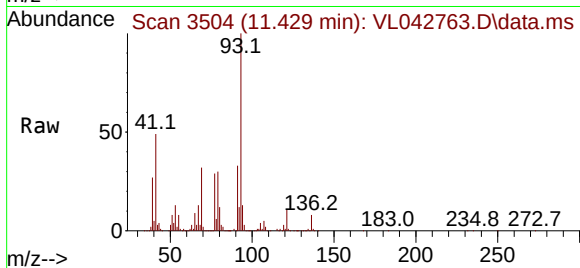




#66
Benzyl Chloride
Concen: 12.119 ppbv
RT: 11.429 min Scan# 311
Delta R.T. -0.188 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

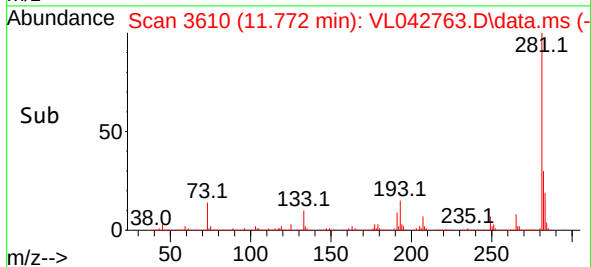
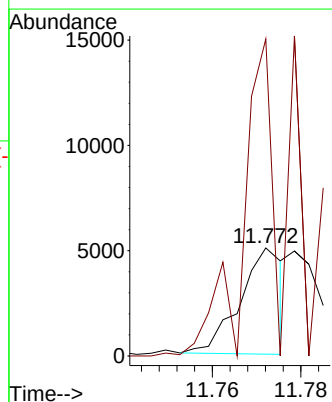
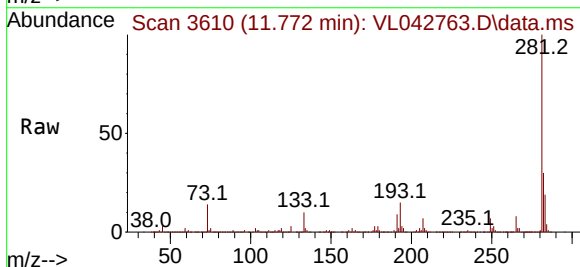
Instrument :
MSVOA_L
ClientSampleId :

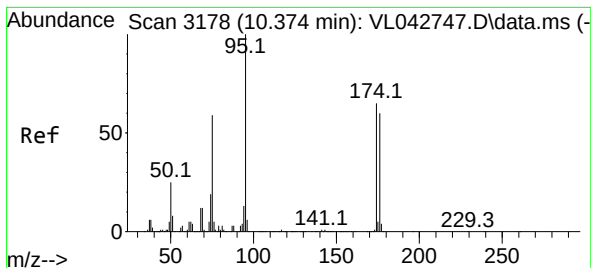
Tgt Ion: 91 Resp: 62847
Ion Ratio Lower Upper
91 100
126 0.0 14.4 21.6#
128 0.7 5.2 7.8#



#67
sec-Butylbenzene
Concen: 0.038 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:105 Resp: 3385
Ion Ratio Lower Upper
105 100
134 0.0 15.5 23.3#

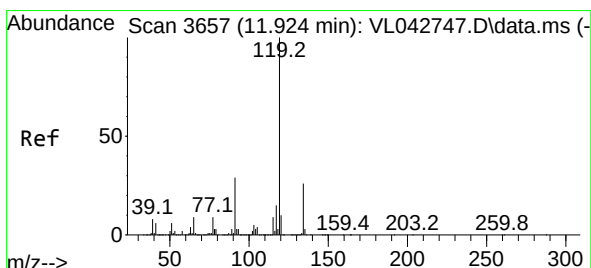
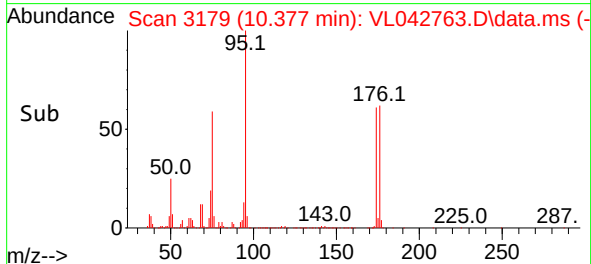
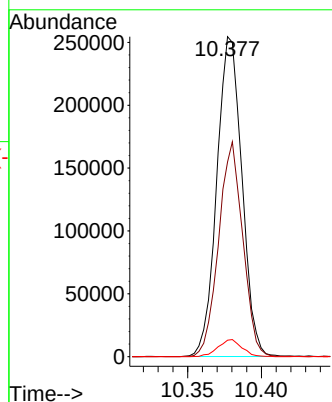
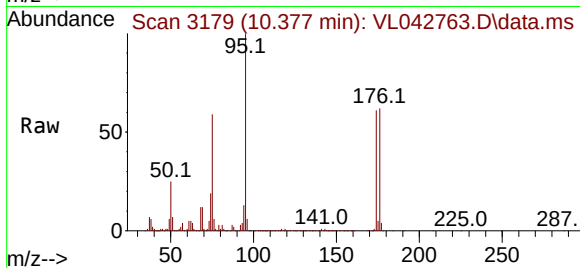




#68
1-Bromo-4-Fluorobenzene
Concen: 9.942 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

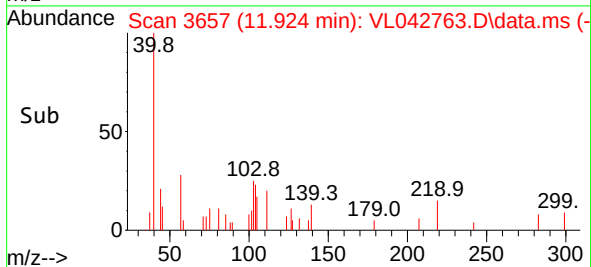
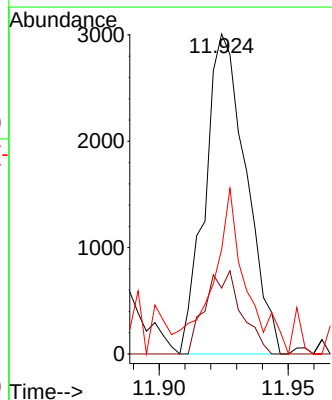
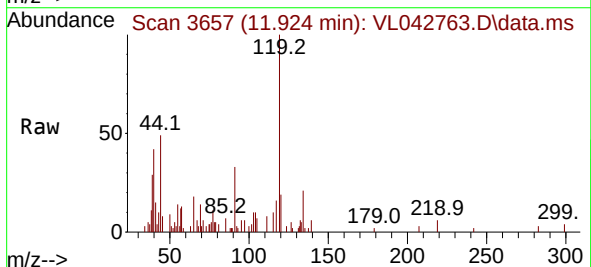
Instrument :
MSVOA_L
ClientSampleId :

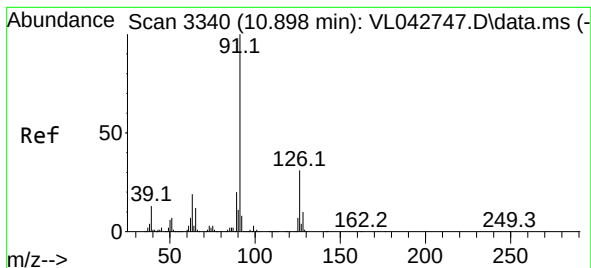
Tgt Ion: 95 Resp: 301001
Ion Ratio Lower Upper
95 100
174 64.6 53.8 80.6
175 5.1 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.046 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 119 Resp: 3335
Ion Ratio Lower Upper
119 100
134 23.0 20.6 31.0
91 61.3 23.2 34.8#

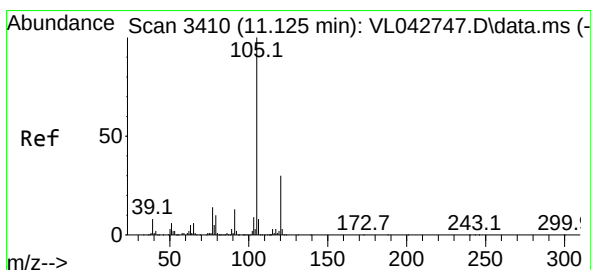
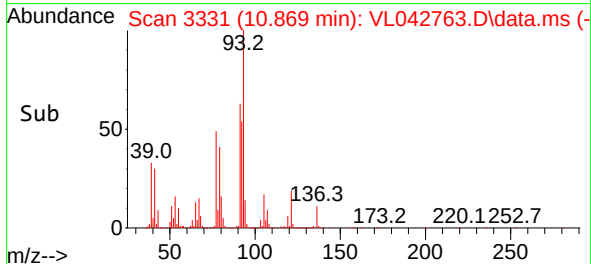
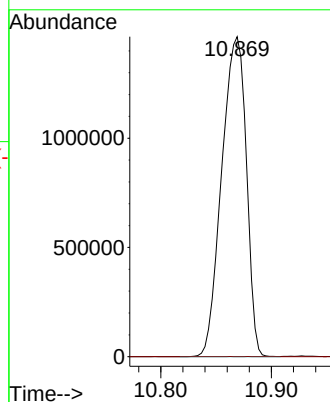
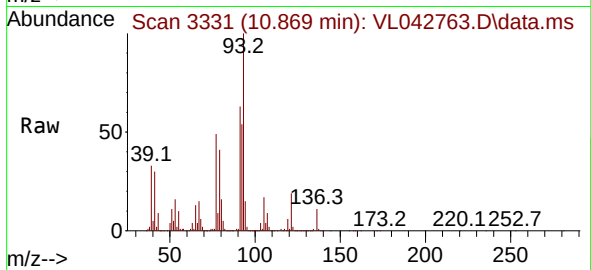




#71
2-Chlorotoluene
Concen: 41.548 ppbv
RT: 10.869 min Scan# 31
Delta R.T. -0.029 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

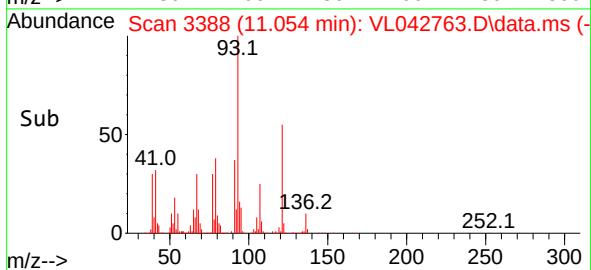
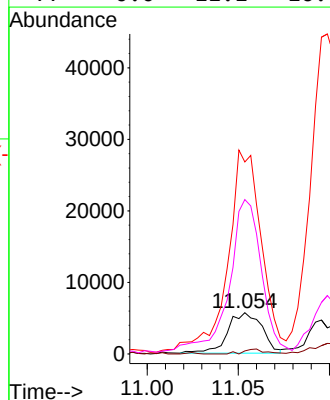
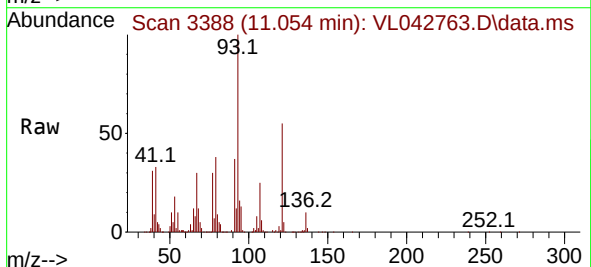
Instrument :
MSVOA_L
ClientSampleId :

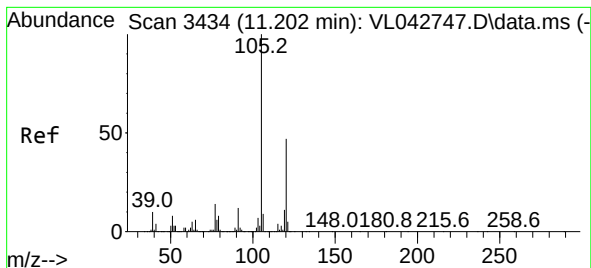
Tgt Ion: 91 Resp: 2265593
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.2#



#72
4-Ethyltoluene
Concen: 0.129 ppbv
RT: 11.054 min Scan# 3388
Delta R.T. -0.071 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:105 Resp: 7414
Ion Ratio Lower Upper
105 100
120 26.9 24.4 36.6
91 0.0 10.6 15.8#
77 0.0 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.156 ppbv

RT: 11.054 min Scan# 31

Delta R.T. -0.149 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Instrument :

MSVOA_L

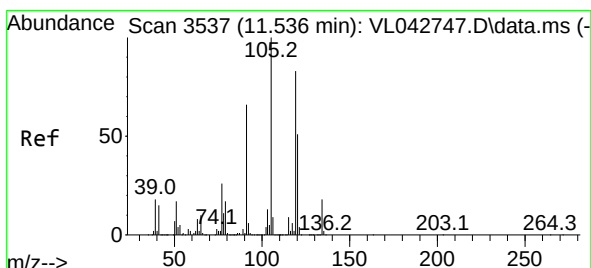
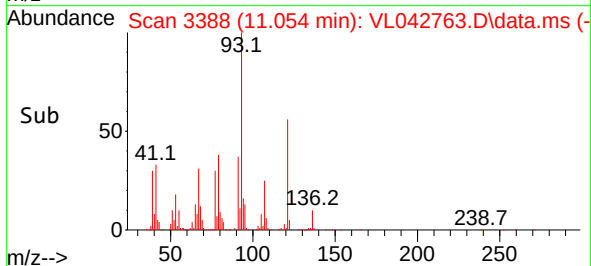
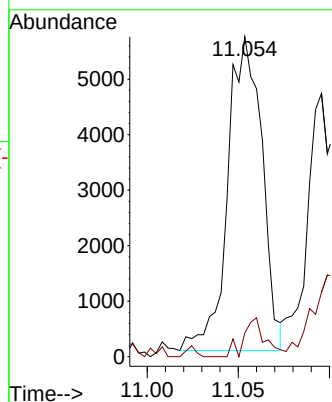
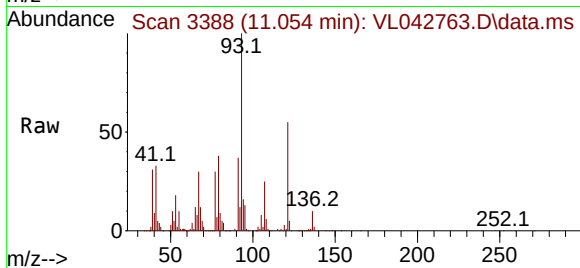
ClientSampleId :

Tgt Ion:105 Resp: 7414

Ion Ratio Lower Upper

105 100

120 7.6 37.8 56.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.058 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Tgt Ion:105 Resp: 3016

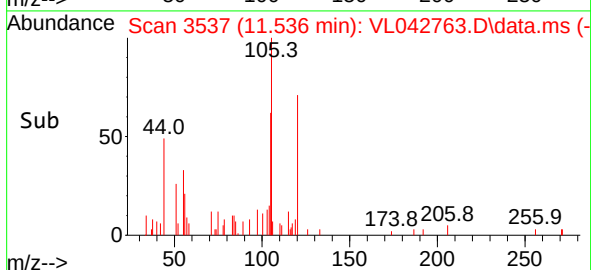
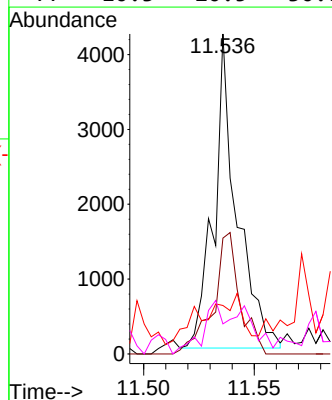
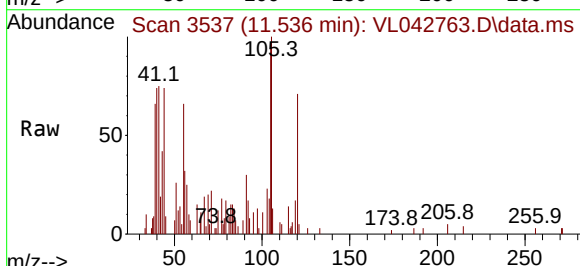
Ion Ratio Lower Upper

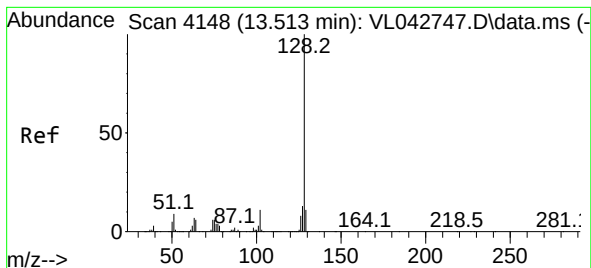
105 100

120 36.9 40.8 61.2#

91 7.6 53.0 79.4#

77 10.3 20.5 30.7#

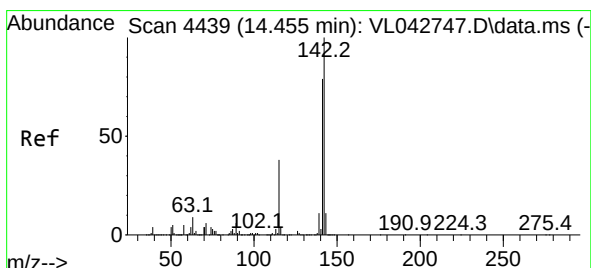
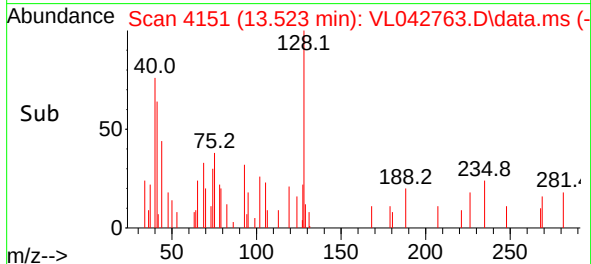
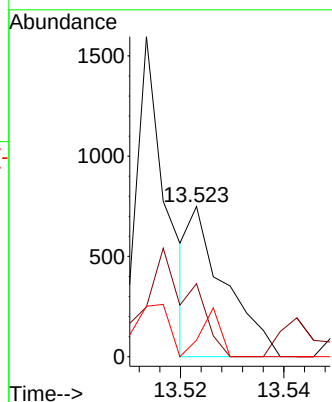
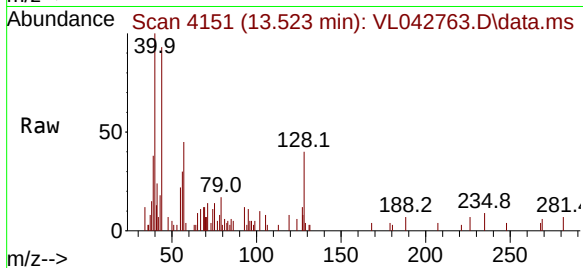




#79
Naphthalene
Concen: 0.441 ppbv
RT: 13.523 min Scan# 4148
Delta R.T. 0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

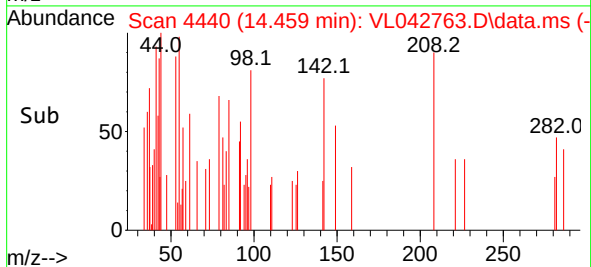
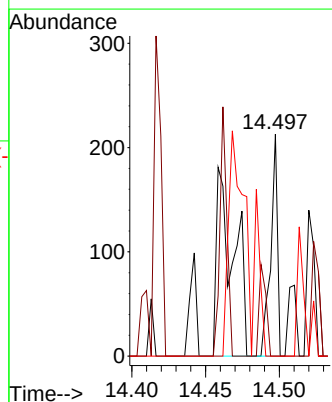
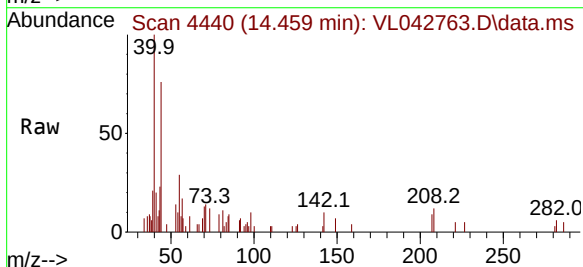
Instrument :
MSVOA_L
ClientSampleId :

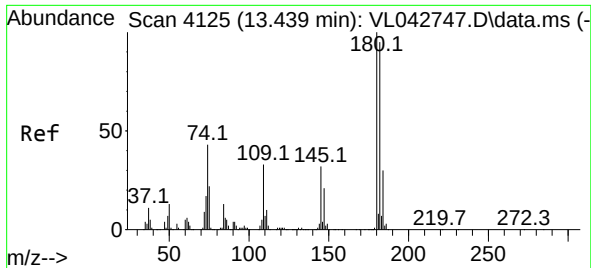
Tgt Ion:128 Resp: 359
Ion Ratio Lower Upper
128 100
127 31.9 10.5 15.7#
129 10.9 8.6 13.0



#80
Naphthalene,2-methyl-
Concen: 1.136 ppbv
RT: 14.459 min Scan# 4440
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:142 Resp: 241
Ion Ratio Lower Upper
142 100
141 32.8 65.8 98.8#
115 82.6 31.2 46.8#





#81

1,2,4-Trichlorobenzene

Concen: 0.436 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.007 min

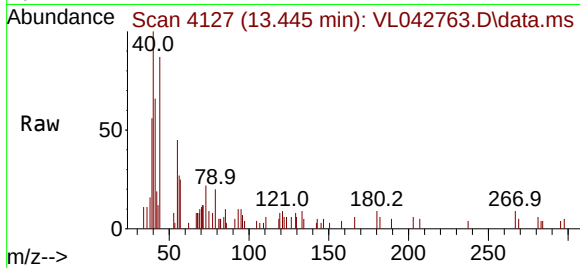
Lab File: VL042763.D

Acq: 24 Jul 2025 13:52

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	180	Resp:	45
Ion	Ratio	Lower	Upper
180	100		
182	362.2	76.2	114.2#
184	0.0	24.8	37.2#

