

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
 Data File : VL043157.D
 Acq On : 06 Nov 2025 08:45
 Operator : SY/MD
 Sample : VL1106ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1106ABS01

Quant Time: Nov 07 00:17:34 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	111380	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	340583	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	299526	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 237797 10.214 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	170728	10.782	ppbv	99
3) Chlorodifluoromethane	1.476	51	171506	10.011	ppbv	97
4) Chloromethane	1.534	50	57299	9.134	ppbv	100
5) Vinyl Chloride	1.580	62	55895	9.085	ppbv	100
6) Bromomethane	1.667	94	34540	10.238	ppbv	96
7) Chloroethane	1.706	64	23501	9.342	ppbv	89
8) Dichlorotetrafluoroethane	1.554	85	136433	10.661	ppbv	92
9) Propene	1.483	41	64760	8.523	ppbv	99
10) Heptane	4.978	43	189938	8.683	ppbv	98
11) Trichlorofluoromethane	1.877	101	181952	11.748	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	139934	11.222	ppbv	96
13) Ethanol	1.719	45	21163	7.530	ppbv	98
14) Bromoethene	1.780	108	49693	10.727	ppbv	99
15) Acetone	1.835	43	134115	8.934	ppbv	99
16) 1,3-Butadiene	1.609	39	62625	8.753	ppbv	98
17) tert-Butyl alcohol	2.039	59	203295	9.865	ppbv	100
18) 1,1-Dichloroethene	2.036	96	59563	10.957	ppbv	84
19) Isopropyl Alcohol	1.884	45	80943	8.657	ppbv	92
20) Methylene Chloride	2.062	84	53912	9.085	ppbv	94
21) Allyl Chloride	2.094	41	101879	9.210	ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	69305	10.665	ppbv	93
23) Vinyl Acetate	2.460	43	232125	10.556	ppbv	99
24) 1,1-Dichloroethane	2.408	63	131599	10.482	ppbv	98
25) Ethyl Acetate	2.832	43	354153	9.513	ppbv	100
26) Hexane	2.826	57	161029	9.387	ppbv	98
27) Carbon Disulfide	2.149	76	167737	10.672	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	76290	9.775	ppbv	94
29) Chloroform	2.848	83	272377	10.958	ppbv	100
30) Cyclohexane	3.855	84	139050	9.287	ppbv	94
31) cis-1,2-Dichloroethene	2.719	61	171275	10.456	ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	276541	10.684	ppbv	100
34) 2-Butanone	2.554	43	237347	10.367	ppbv	100
35) Carbon Tetrachloride	3.761	117	289096	11.806	ppbv	94
36) Benzene	3.654	78	326982	10.193	ppbv	99
37) 1,2-Dichloroethane	3.217	62	208468	11.281	ppbv	98
38) Trichloroethene	4.544	130	129044	9.632	ppbv	96
39) 1,2-Dichloropropane	4.308	63	117166	9.991	ppbv	93
40) 1,4-Dioxane	4.574	88	49474	9.428	ppbv #	96
41) Tetrahydrofuran	3.049	42	118637	9.265	ppbv	97
42) Bromodichloromethane	4.486	83	291226	11.387	ppbv	99
43) Methyl Methacrylate	4.875	69	160012	9.821	ppbv	95
44) 2,2,4-Trimethylpentane	4.638	57	531922	9.828	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	165316	10.111	ppbv	96

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

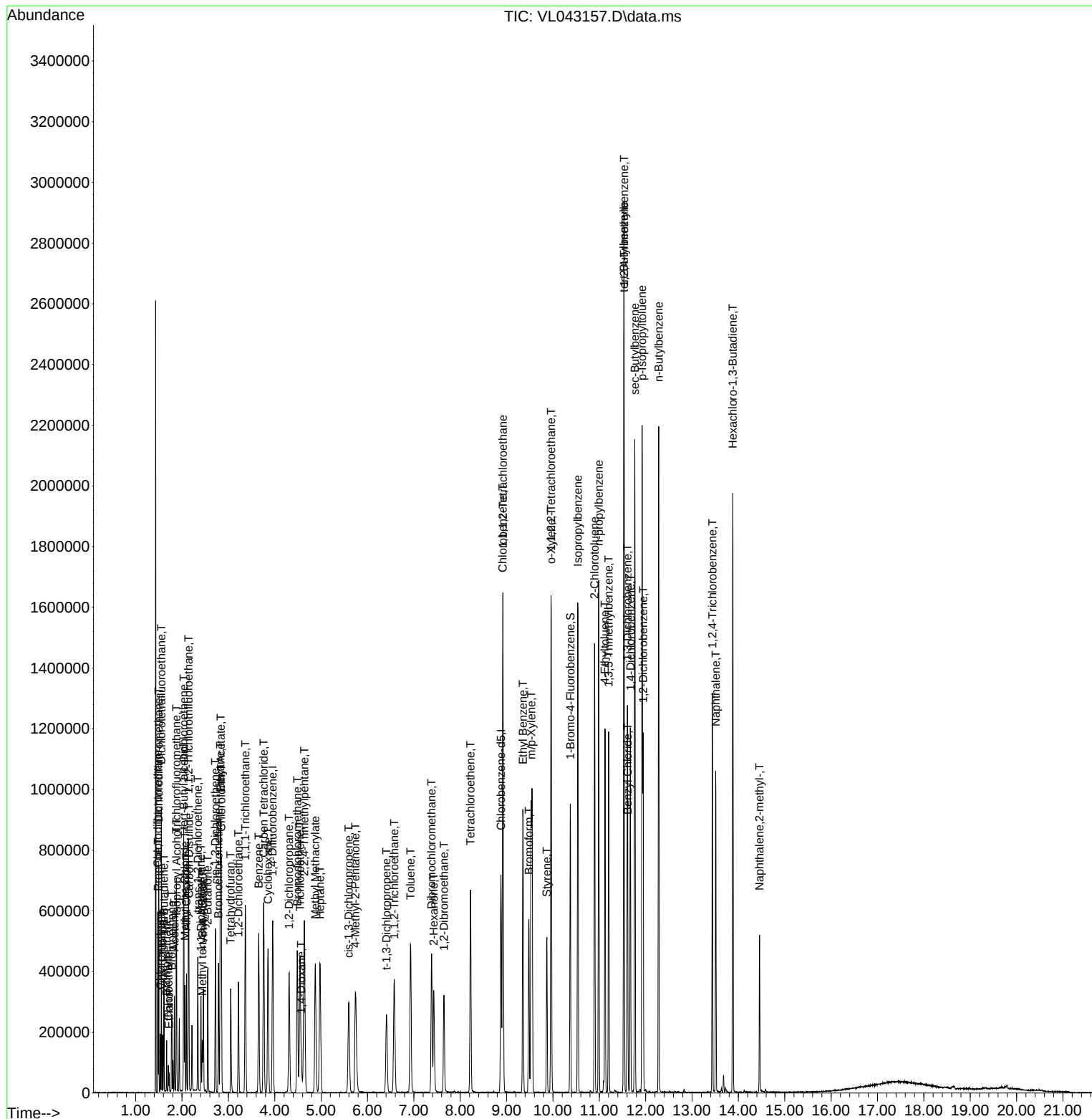
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	195336	10.001	ppbv	97
47) 1,1,2-Trichloroethane	6.580	97	130064	10.270	ppbv	92
48) Dibromochloromethane	7.383	129	234841	11.091	ppbv	98
49) Bromoform	9.480	173	199190	11.573	ppbv	99
50) 4-Methyl-2-Pentanone	5.739	43	295763	9.361	ppbv	99
51) 2-Hexanone	7.428	43	227473	9.599	ppbv #	99
52) Tetrachloroethene	8.221	164	119279	10.312	ppbv	97
53) Toluene	6.927	91	368487	9.679	ppbv	99
54) 1,2-Dibromoethane	7.648	107	205210	10.345	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.920	131	213620	11.314	ppbv	98
57) Chlorobenzene	8.917	112	286347	10.219	ppbv	97
58) Ethyl Benzene	9.351	91	529847	10.307	ppbv	97
59) m/p-Xylene	9.532	91	441757	10.774	ppbv #	29
60) o-Xylene	9.963	91	422838	10.442	ppbv	100
61) Styrene	9.865	104	179195	9.802	ppbv	99
62) Isopropylbenzene	10.539	105	762154	10.416	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	269723	9.947	ppbv	98
64) n-propylbenzene	10.989	120	201938	10.424	ppbv	98
65) tert-Butylbenzene	11.529	119	662570	10.254	ppbv	97
66) Benzyl Chloride	11.613	91	64257	8.935	ppbv	99
67) sec-Butylbenzene	11.765	105	957255	10.438	ppbv	99
69) p-Isopropyltoluene	11.924	119	795241	10.205	ppbv	98
70) n-Butylbenzene	12.280	91	798019	10.392	ppbv	99
71) 2-Chlorotoluene	10.898	91	579642	10.386	ppbv	99
72) 4-Ethyltoluene	11.121	105	530791	10.660	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	440663	10.731	ppbv	96
74) 1,2,4-Trimethylbenzene	11.536	105	477453	10.390	ppbv	91
75) 1,3-Dichlorobenzene	11.607	146	290341	10.894	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	291409	10.843	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	276598	10.728	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	207474	10.393	ppbv	99
79) Naphthalene	13.510	128	486413	10.127	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	142500	11.387	ppbv	97
81) 1,2,4-Trichlorobenzene	13.439	180	216292	10.849	ppbv	99

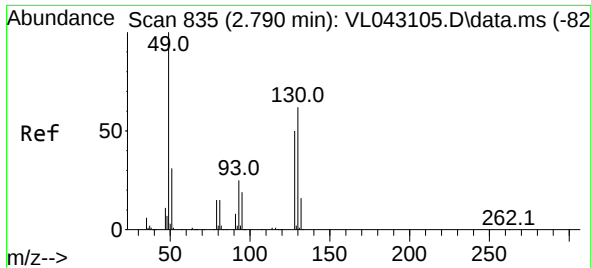
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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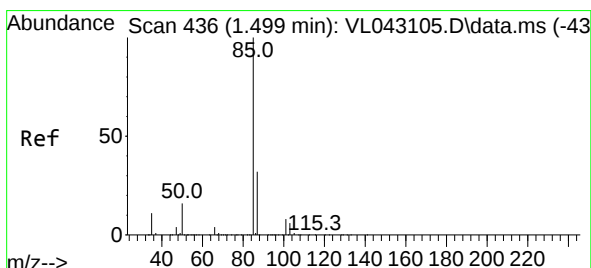
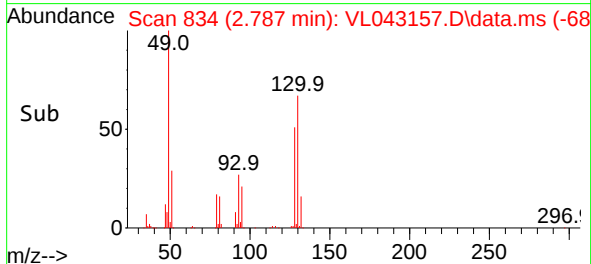
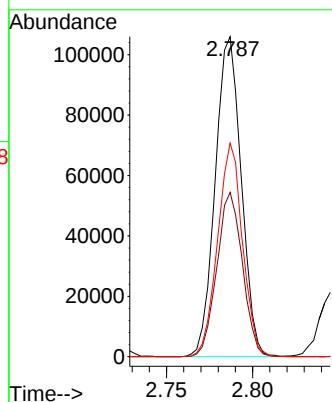
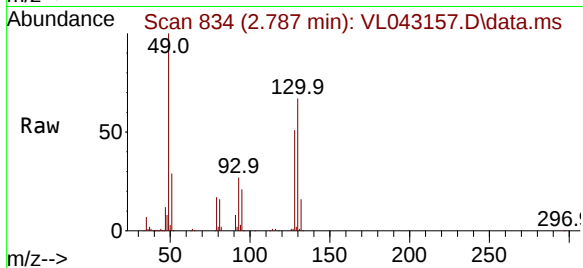




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043157.D
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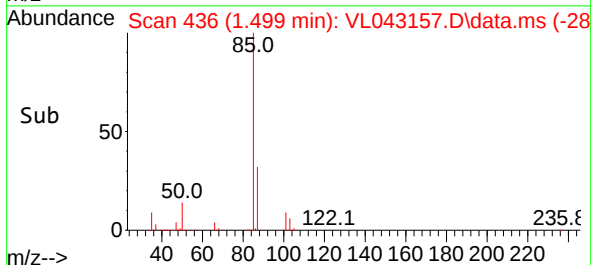
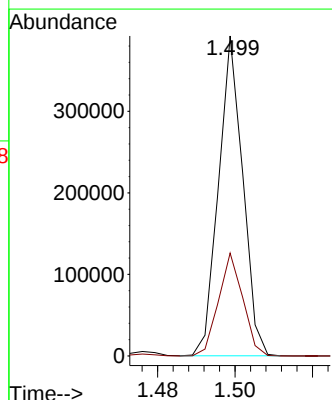
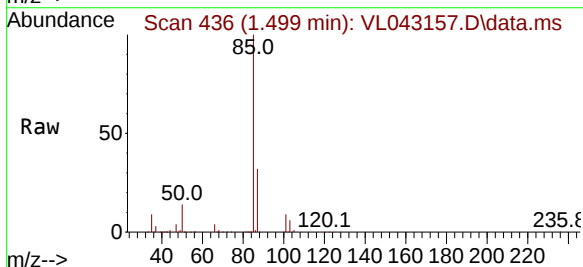
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MSVOA_L
ClientSampleId :
VL1106ABS01

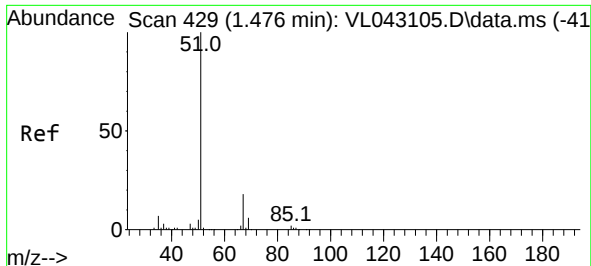
Tgt Ion: 49 Resp: 111380
Ion Ratio Lower Upper
49 100
128 50.4 24.4 73.4
130 63.9 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 10.782 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 85 Resp: 170728
Ion Ratio Lower Upper
85 100
87 32.2 25.3 37.9

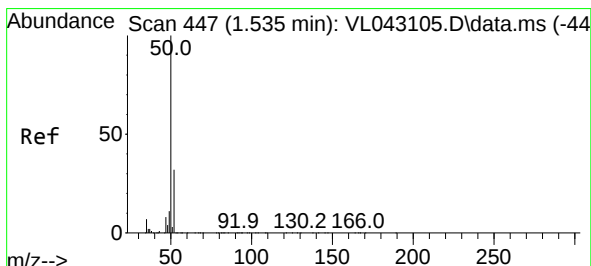
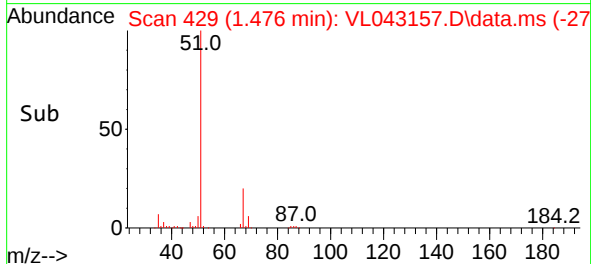
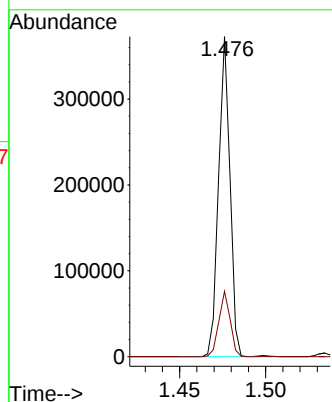
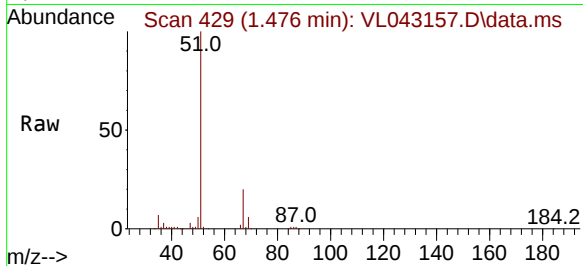




#3
Chlorodifluoromethane
Concen: 10.011 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

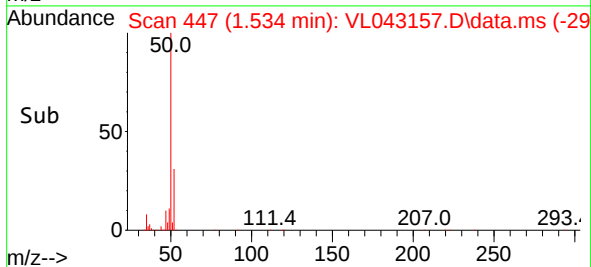
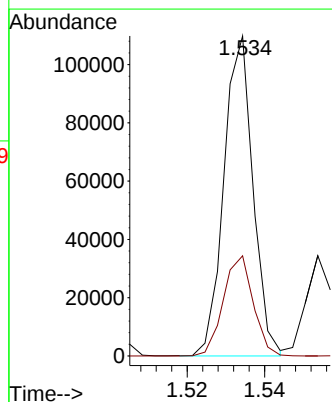
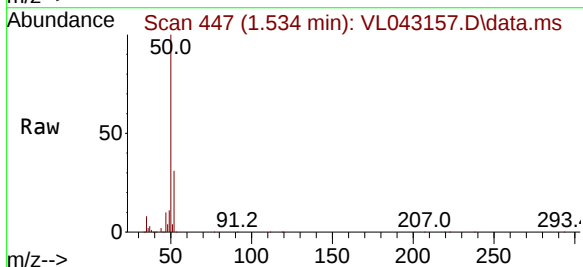
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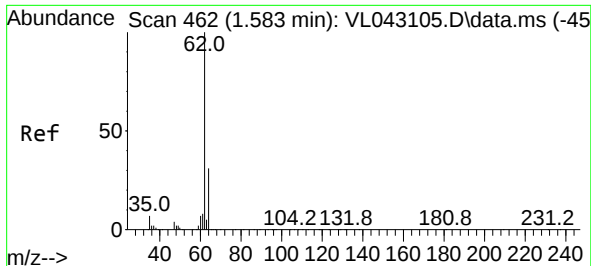
Tgt Ion: 51 Resp: 171506
Ion Ratio Lower Upper
51 100
67 20.4 15.1 22.7



#4
Chloromethane
Concen: 9.134 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 50 Resp: 57299
Ion Ratio Lower Upper
50 100
52 31.3 25.2 37.8

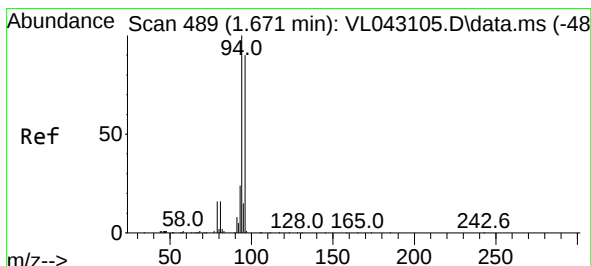
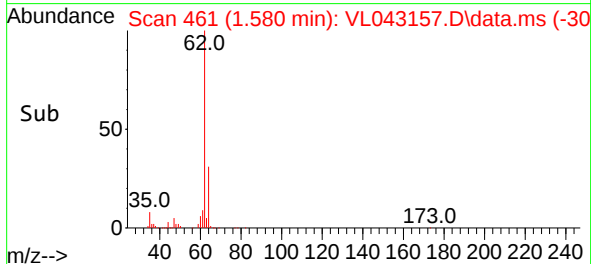
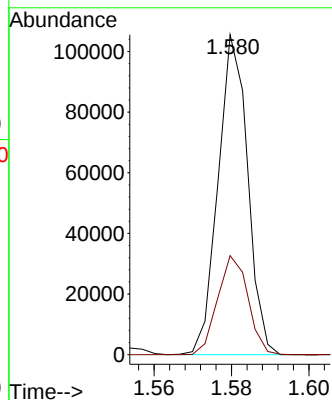
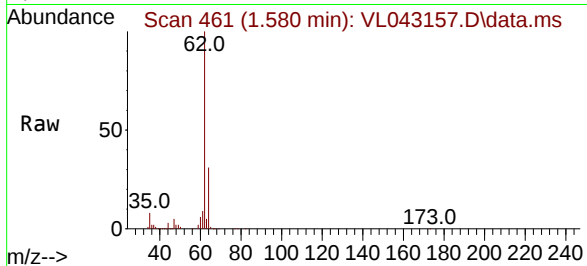




#5
 Vinyl Chloride
 Concen: 9.085 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.004 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

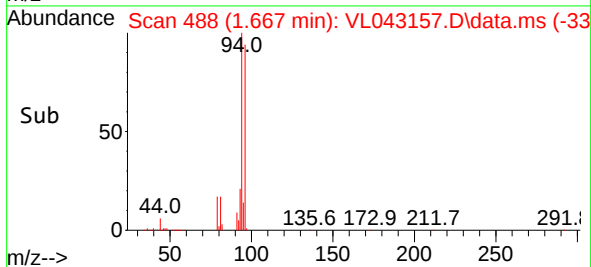
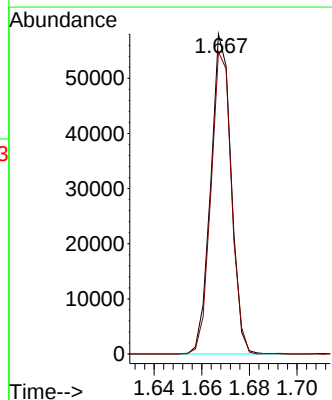
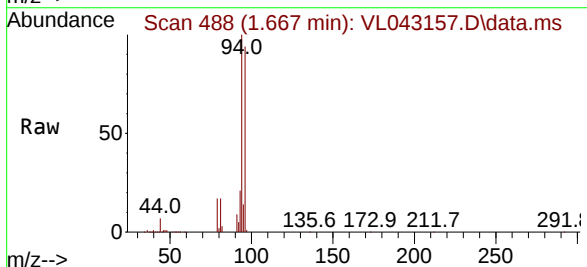
Instrument :
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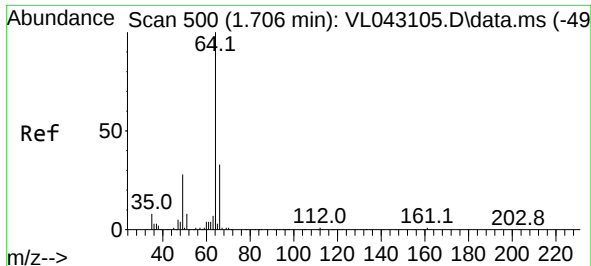
Tgt Ion: 62 Resp: 55895
 Ion Ratio Lower Upper
 62 100
 64 31.0 24.6 36.8



#6
 Bromomethane
 Concen: 10.238 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.004 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

Tgt Ion: 94 Resp: 34540
 Ion Ratio Lower Upper
 94 100
 96 94.5 72.2 108.4

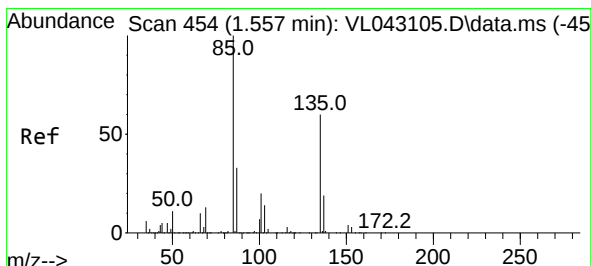
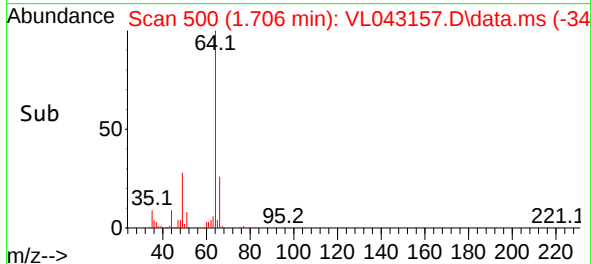
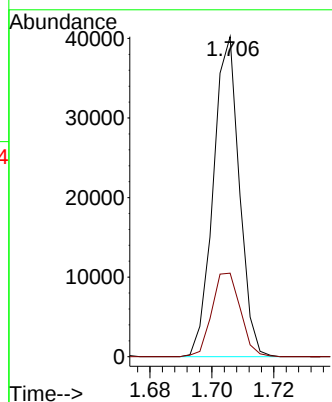
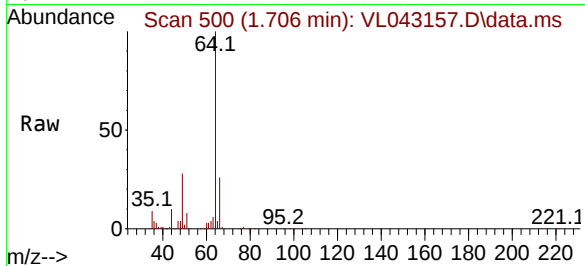




#7
Chloroethane
Concen: 9.342 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

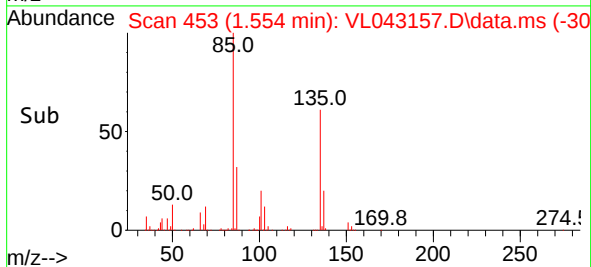
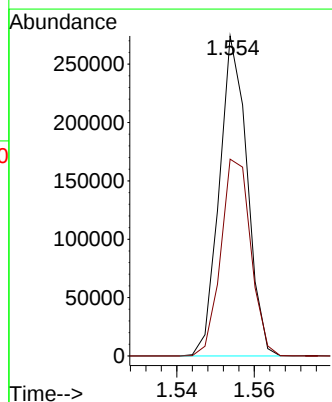
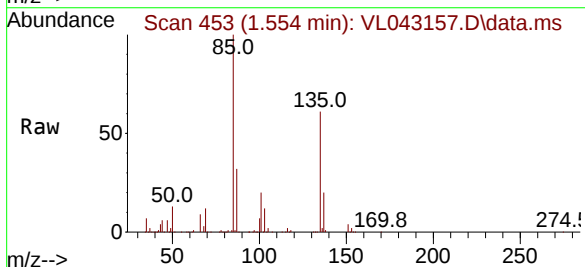
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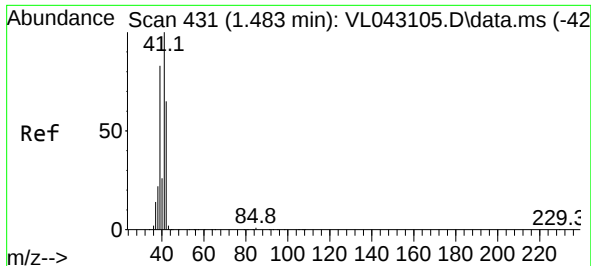
Tgt Ion: 64 Resp: 23501
Ion Ratio Lower Upper
64 100
66 26.1 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 10.661 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 85 Resp: 136433
Ion Ratio Lower Upper
85 100
135 66.6 48.2 72.4

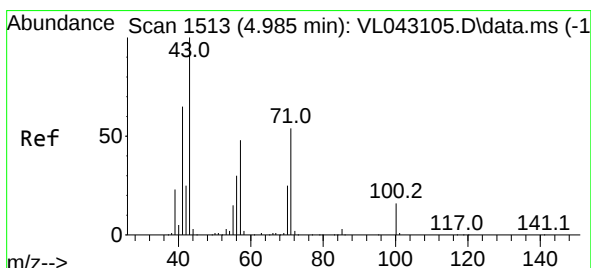
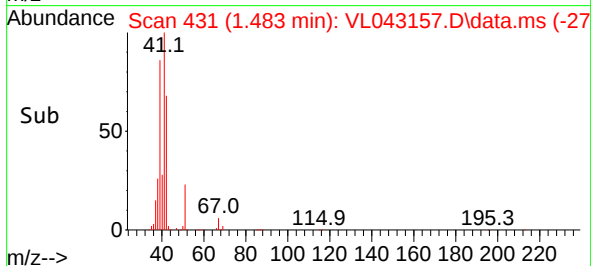
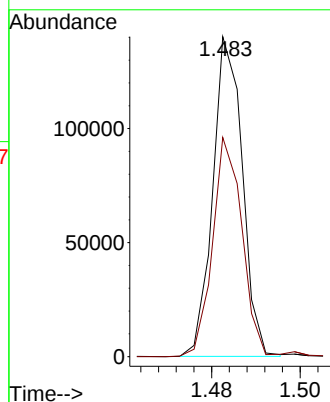
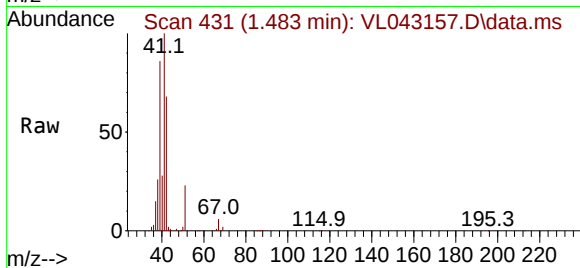




#9
 Propene
 Concen: 8.523 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

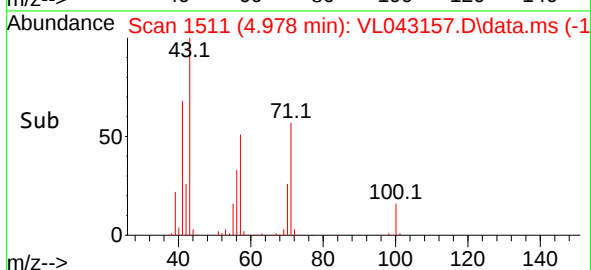
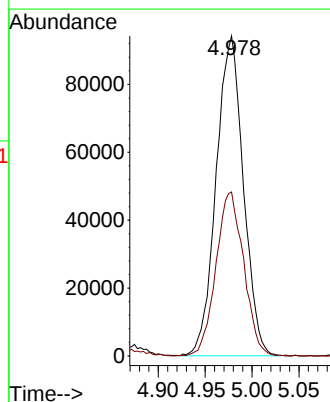
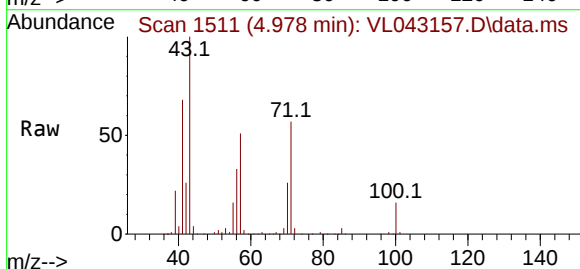
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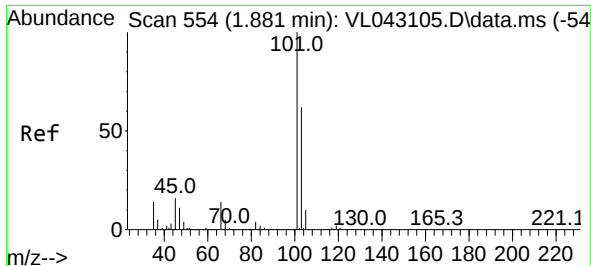
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 Ion Ratio Lower Upper
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 42 69.6 55.1 82.7



#10
 Heptane
 Concen: 8.683 ppbv
 RT: 4.978 min Scan# 1511
 Delta R.T. -0.007 min
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Tgt Ion: 43 Resp: 189938
 Ion Ratio Lower Upper
 43 100
 57 52.3 40.8 61.2

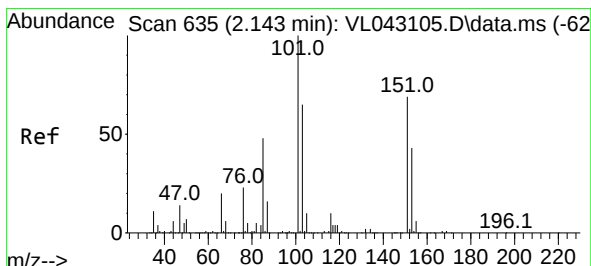
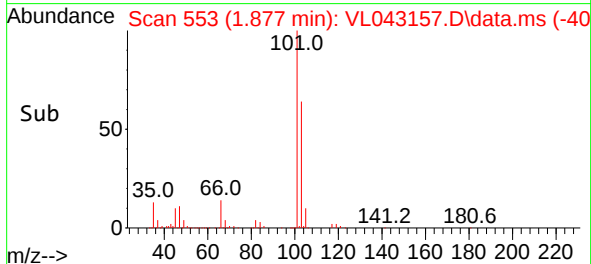
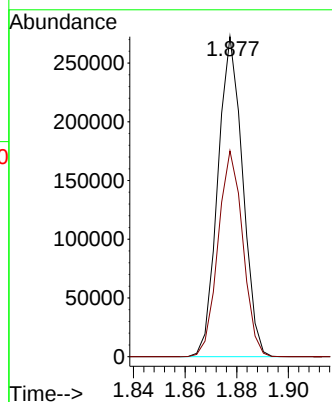
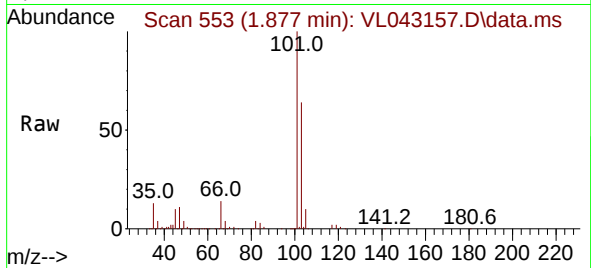




#11
 Trichlorofluoromethane
 Concen: 11.748 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.004 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

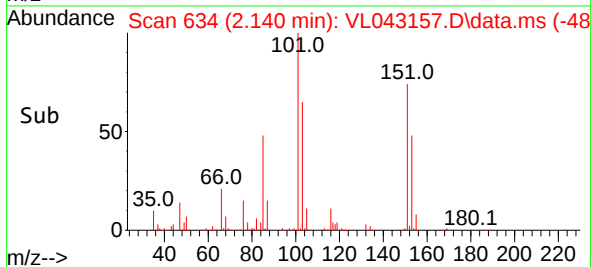
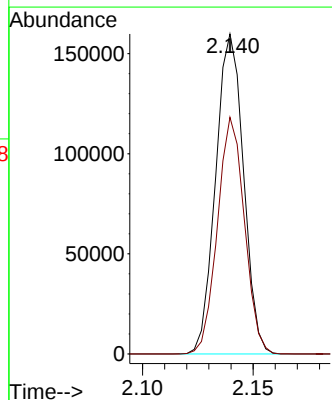
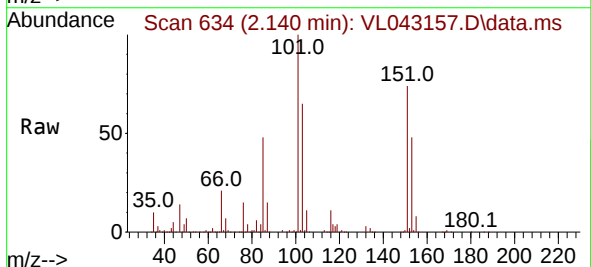
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1106ABS01

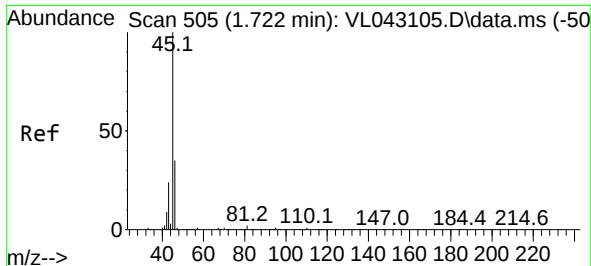
Tgt Ion:101 Resp: 181952
 Ion Ratio Lower Upper
 101 100
 103 64.3 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.222 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.004 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

Tgt Ion:101 Resp: 139934
 Ion Ratio Lower Upper
 101 100
 151 71.7 54.7 82.1

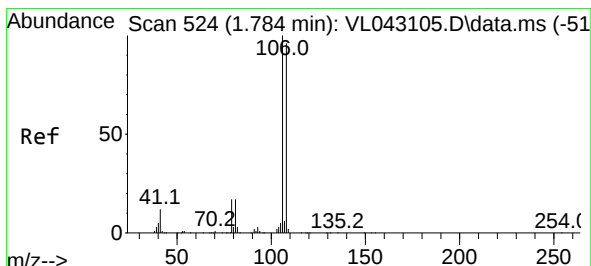
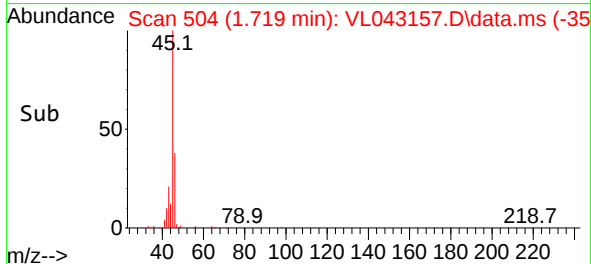
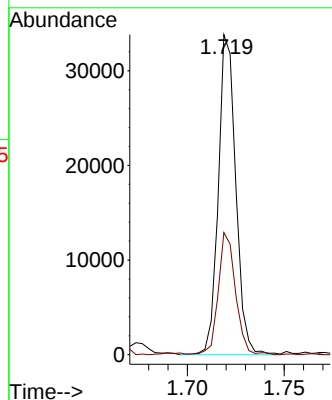
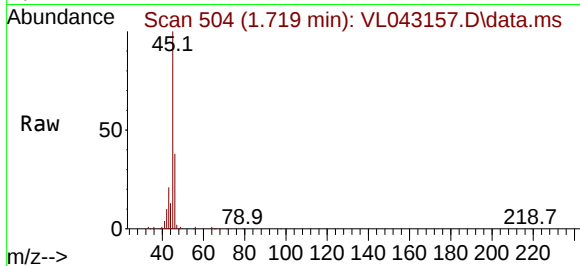




#13
Ethanol
Concen: 7.530 ppbv
RT: 1.719 min Scan# 505
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

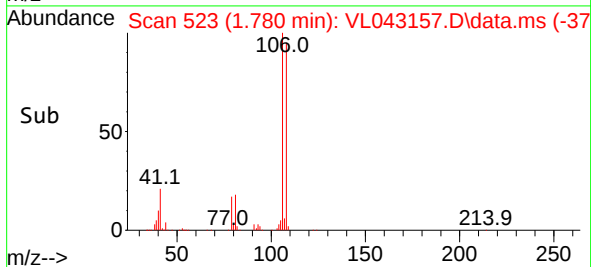
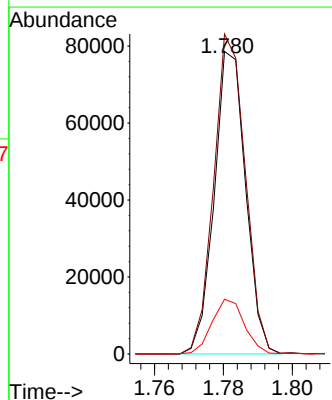
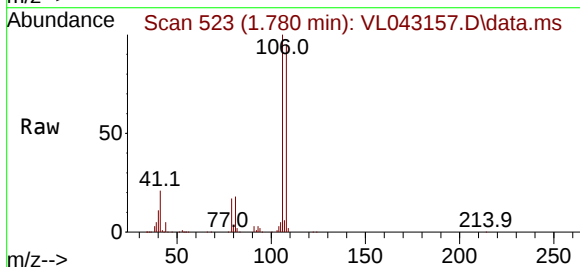
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

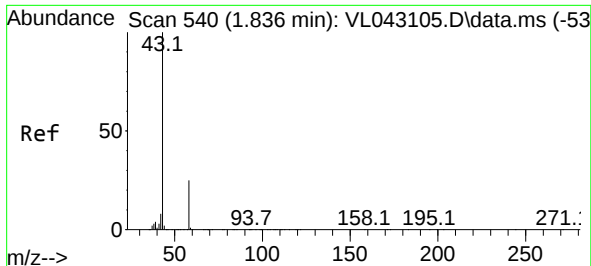
Tgt Ion: 45 Resp: 21163
Ion Ratio Lower Upper
45 100
46 38.3 14.7 58.9



#14
Bromoethene
Concen: 10.727 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 108 Resp: 49693
Ion Ratio Lower Upper
108 100
106 106.7 84.4 126.6
79 18.8 15.3 22.9

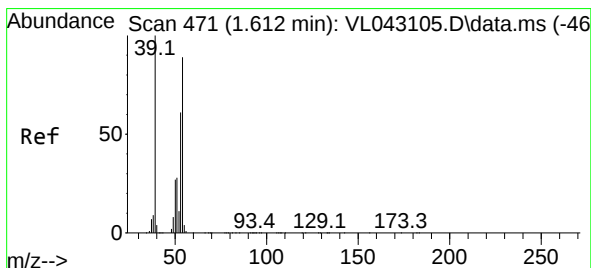
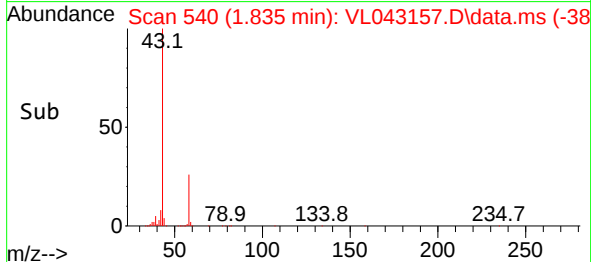
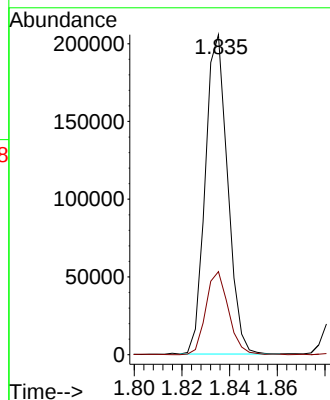
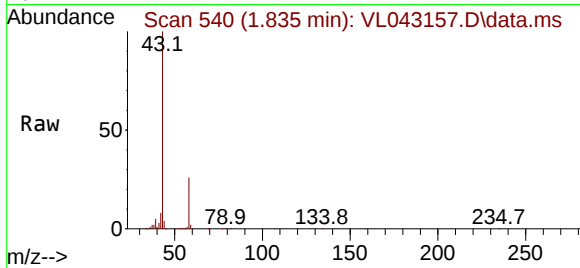




#15
Acetone
Concen: 8.934 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

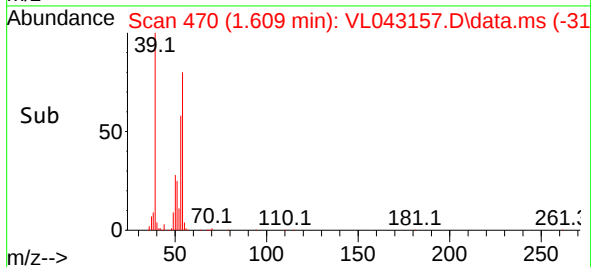
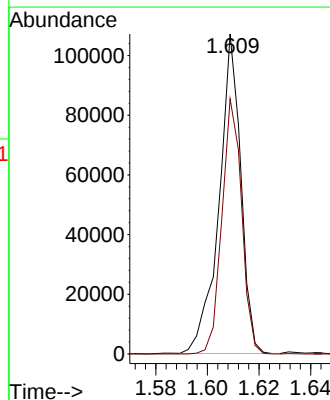
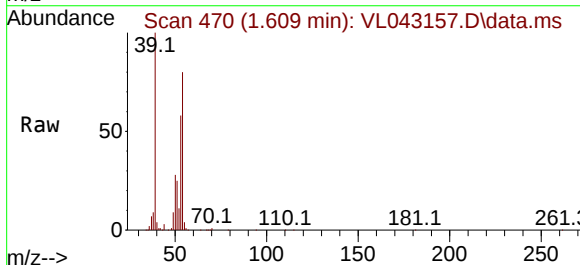
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

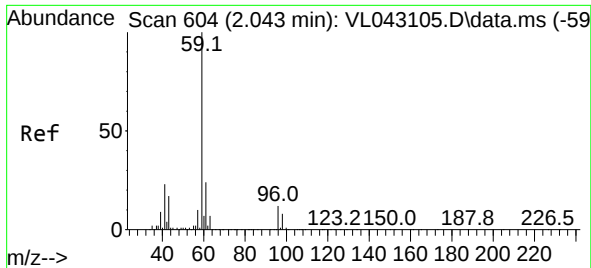
Tgt Ion: 43 Resp: 134115
Ion Ratio Lower Upper
43 100
58 26.6 20.8 31.2



#16
1,3-Butadiene
Concen: 8.753 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 39 Resp: 62625
Ion Ratio Lower Upper
39 100
54 72.1 59.0 88.4

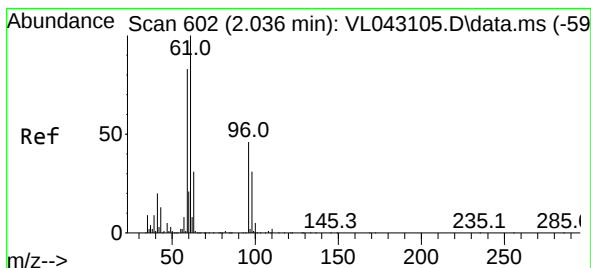
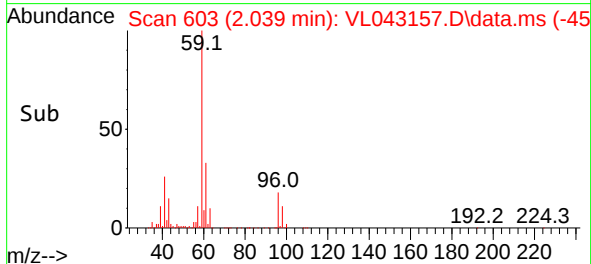
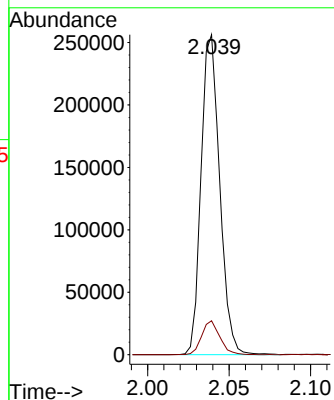
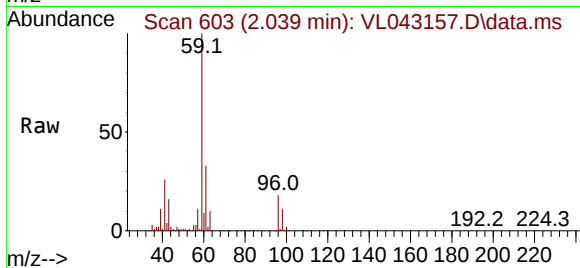




#17
tert-Butyl alcohol
Concen: 9.865 ppbv
RT: 2.039 min Scan# 604
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

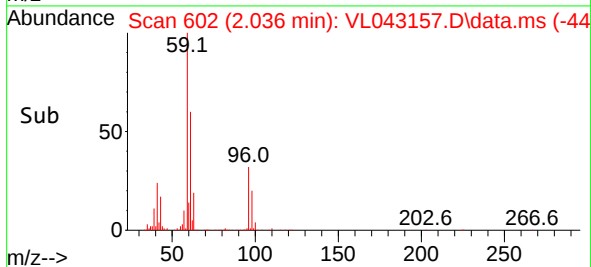
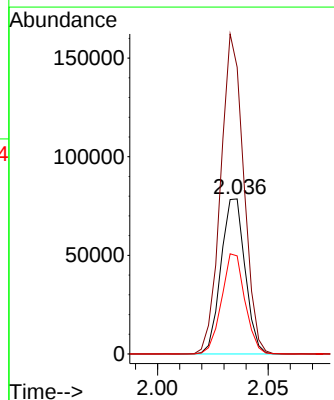
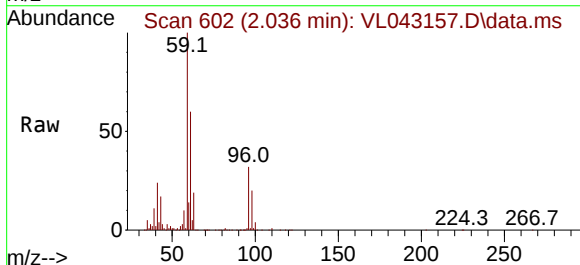
Instrument :
MSVOA_1
ClientSampleId :
VL1106ABS01

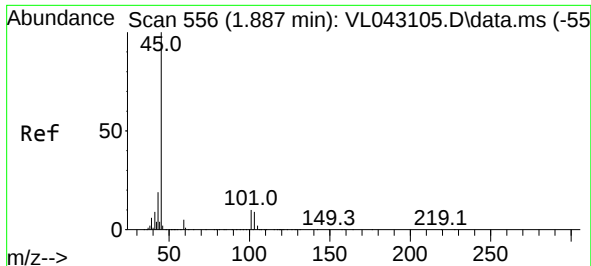
Tgt Ion: 59 Resp: 203295
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4



#18
1,1-Dichloroethene
Concen: 10.957 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 96 Resp: 59563
Ion Ratio Lower Upper
96 100
61 185.0 173.4 260.0
98 63.3 53.2 79.8

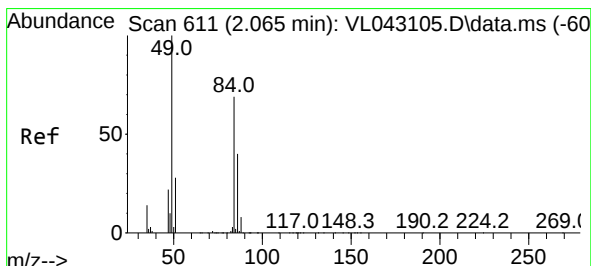
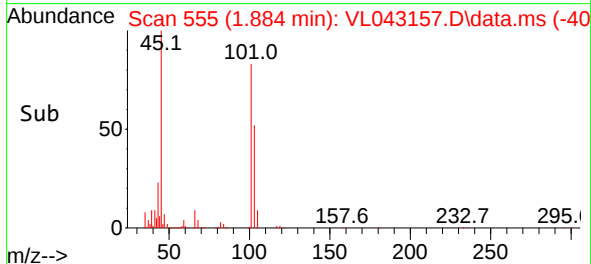
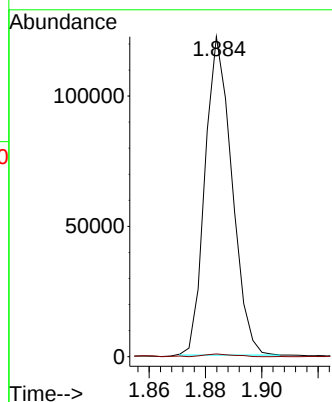
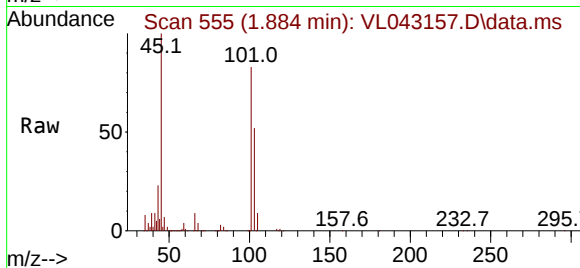




#19
Isopropyl Alcohol
Concen: 8.657 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

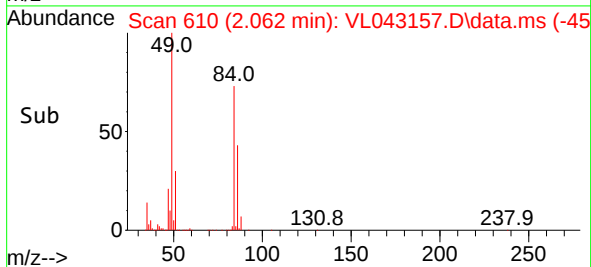
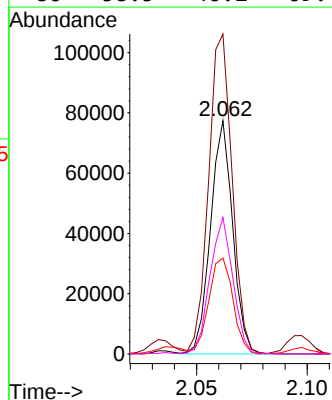
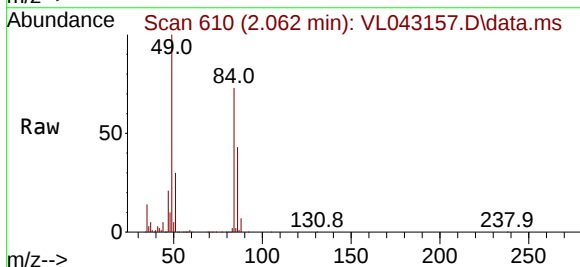
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

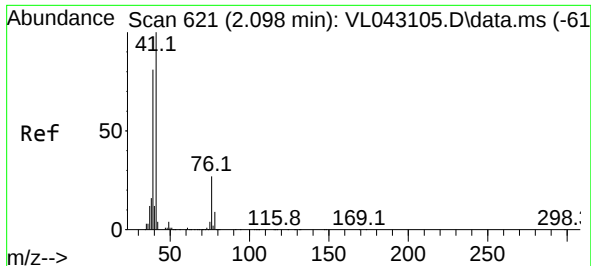
Tgt Ion: 45 Resp: 80943
Ion Ratio Lower Upper
45 100
58 44.1 31.3 46.9



#20
Methylene Chloride
Concen: 9.085 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 84 Resp: 53912
Ion Ratio Lower Upper
84 100
49 135.7 116.6 175.0
51 40.7 34.8 52.2
86 58.5 46.2 69.4

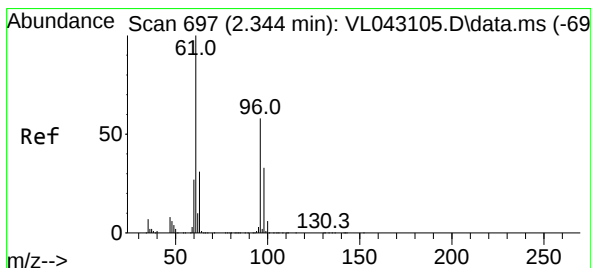
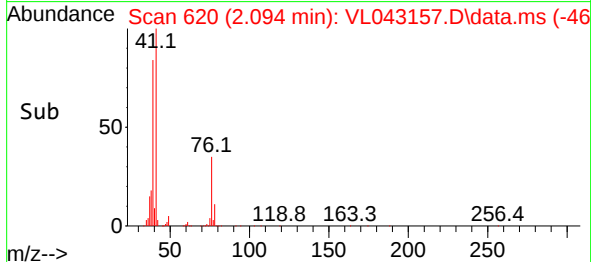
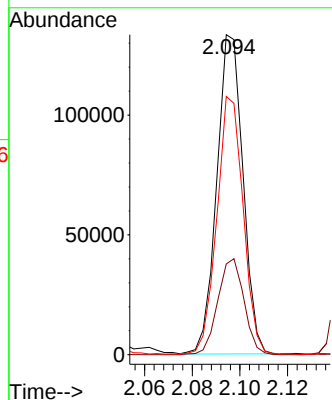
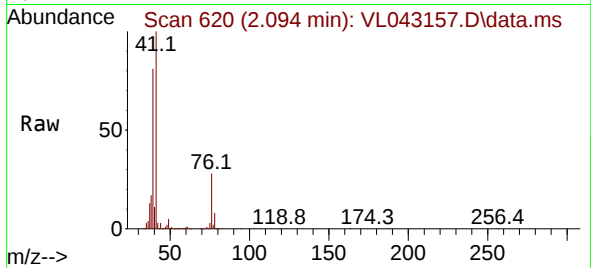




#21
 Allyl Chloride
 Concen: 9.210 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.004 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

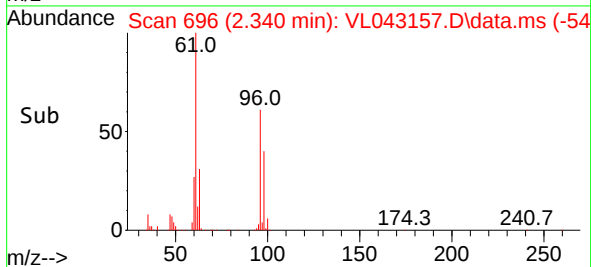
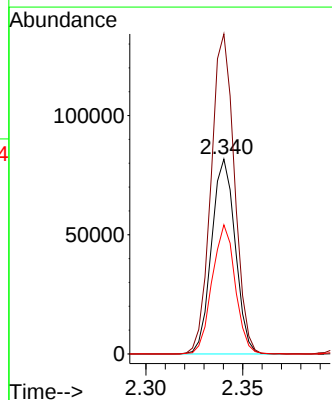
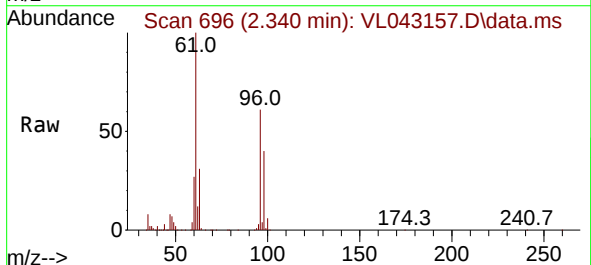
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1106ABS01

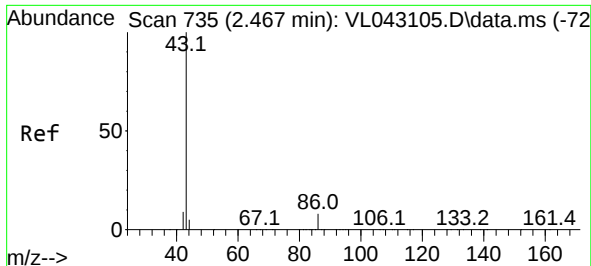
Tgt Ion: 41 Resp: 101879
 Ion Ratio Lower Upper
 41 100
 76 30.0 21.5 32.3
 39 81.2 60.8 91.2



#22
 trans-1,2-Dichloroethene
 Concen: 10.665 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.004 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

Tgt Ion: 96 Resp: 69305
 Ion Ratio Lower Upper
 96 100
 61 164.1 137.0 205.6
 98 66.3 45.5 68.3

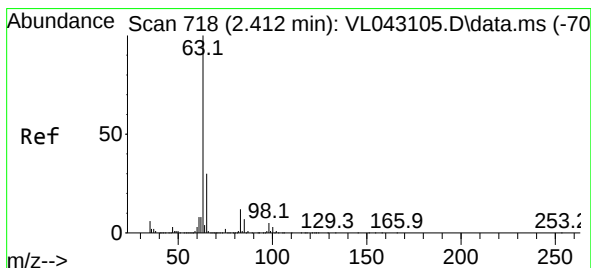
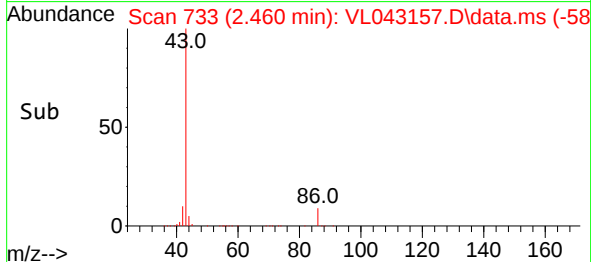
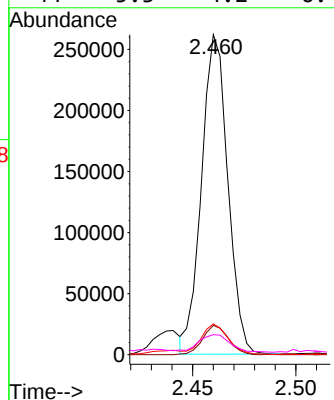
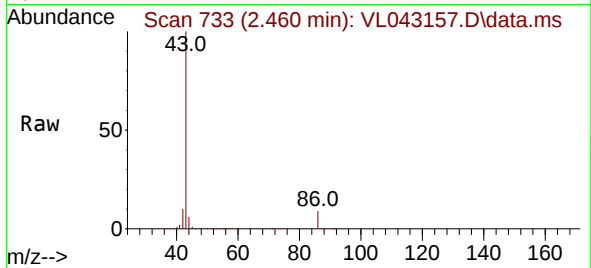




#23
 Vinyl Acetate
 Concen: 10.556 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.007 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

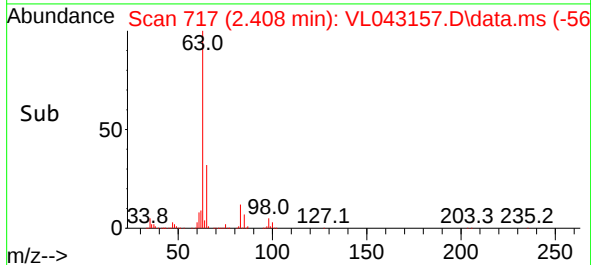
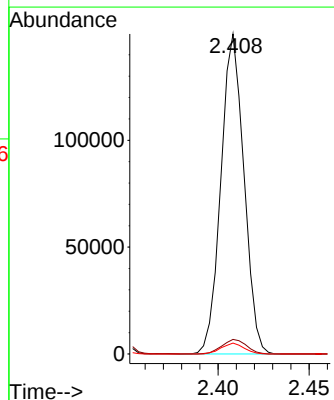
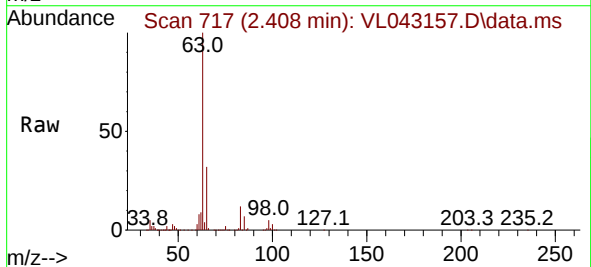
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1106ABS01

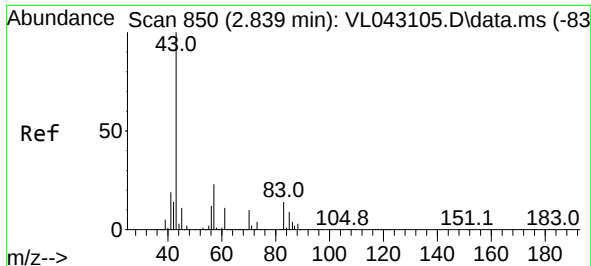
Tgt Ion:	43	Resp:	232125
Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.2	9.2
42	9.5	7.6	11.4
44	5.3	4.2	6.4



#24
 1,1-Dichloroethane
 Concen: 10.482 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.004 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

Tgt Ion:	63	Resp:	131599
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.6	7.8
100	3.4	1.5	4.4



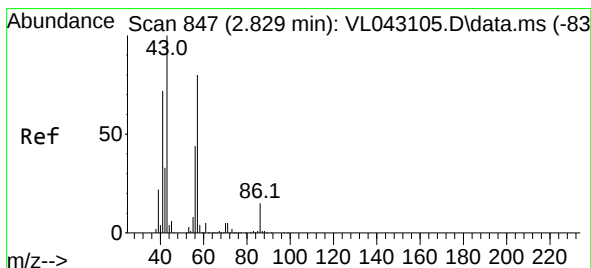
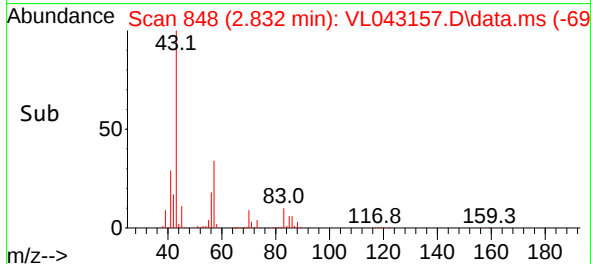
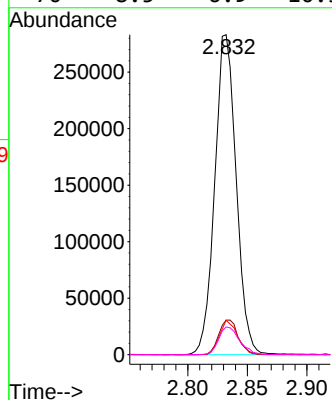
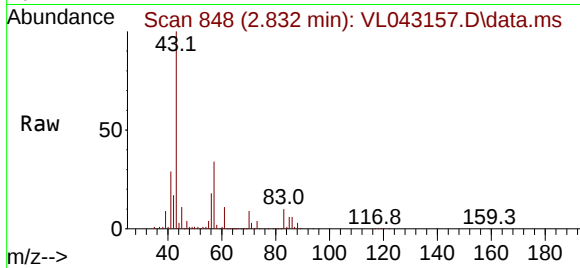


#25
Ethyl Acetate
Concen: 9.513 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 43 Resp: 354153

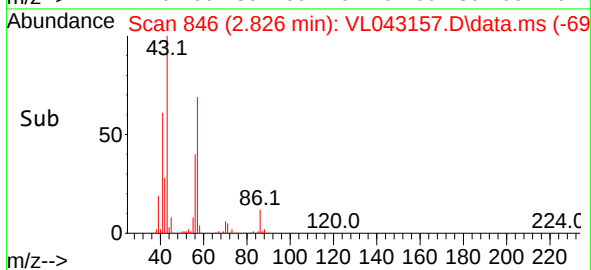
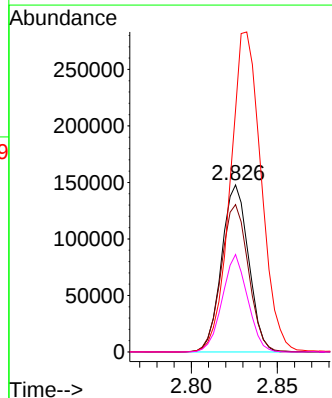
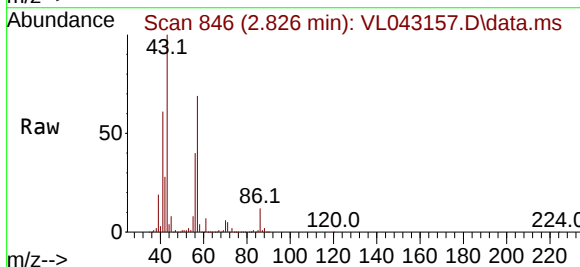
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.0	7.0	10.6
70	8.5	6.9	10.3

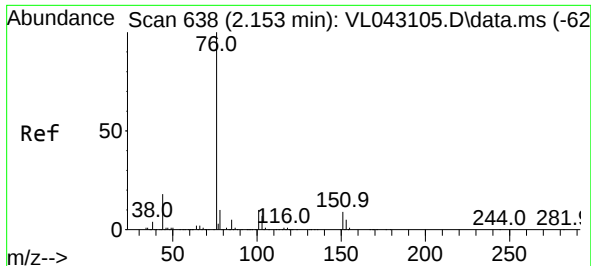


#26
Hexane
Concen: 9.387 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 57 Resp: 161029

Ion	Ratio	Lower	Upper
57	100		
41	90.3	71.4	107.0
43	220.2	178.5	267.7
56	55.0	42.2	63.4

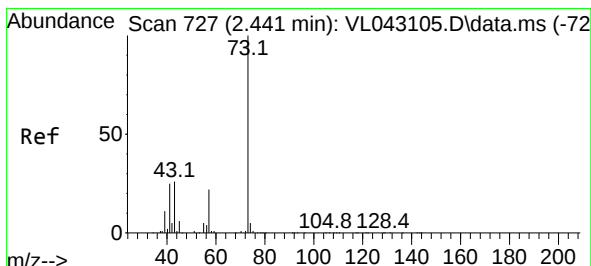
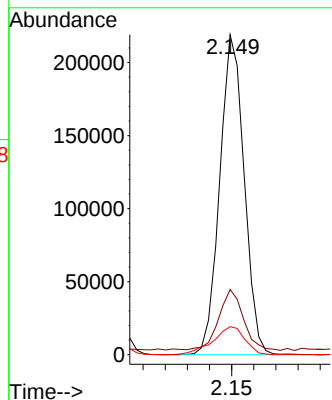
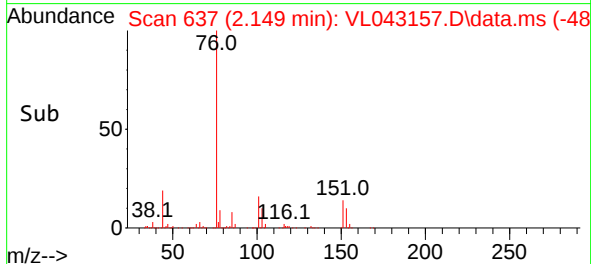
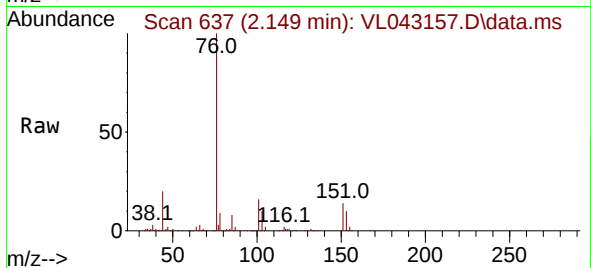




#27
Carbon Disulfide
Concen: 10.672 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

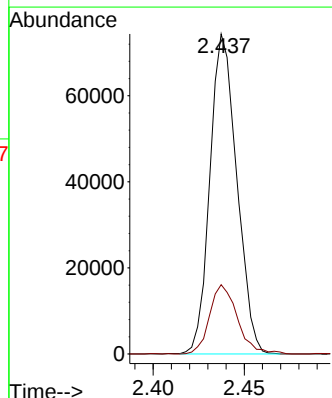
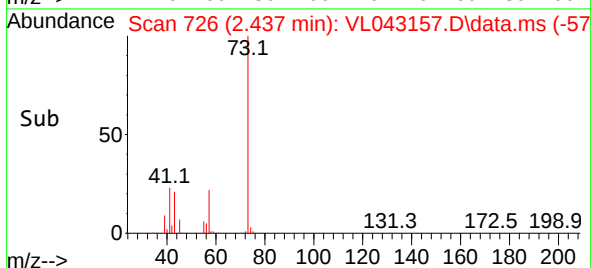
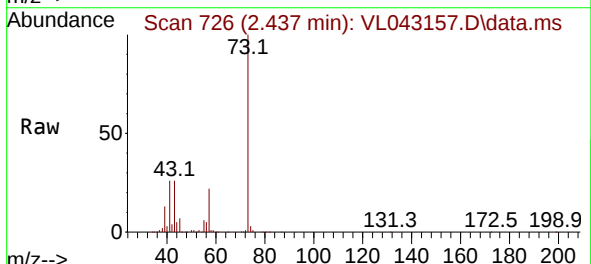
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

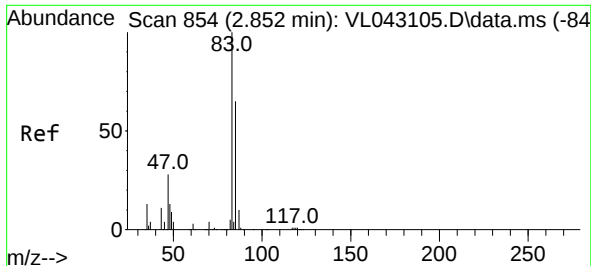
Tgt Ion: 76 Resp: 167737
Ion Ratio Lower Upper
76 100
44 19.4 16.7 25.1
78 11.4 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 9.775 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 73 Resp: 76290
Ion Ratio Lower Upper
73 100
57 22.4 20.5 30.7





#29

Chloroform

Concen: 10.958 ppbv

RT: 2.848 min Scan# 81

Delta R.T. -0.004 min

Lab File: VL043157.D

Acq: 06 Nov 2025 08:45

Instrument :

MSVOA_L

ClientSampleId :

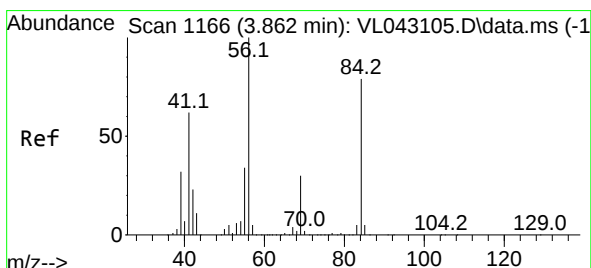
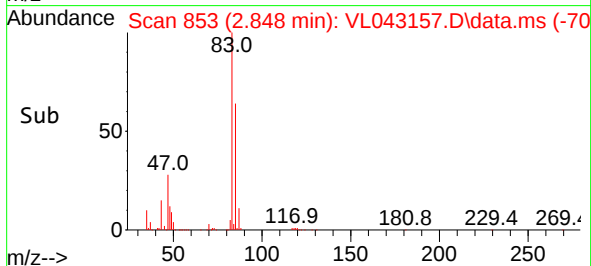
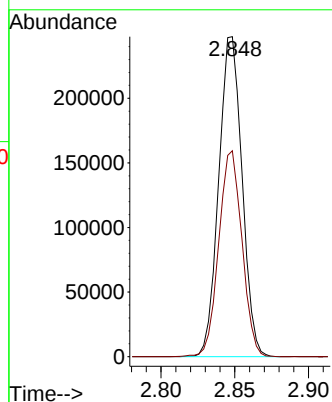
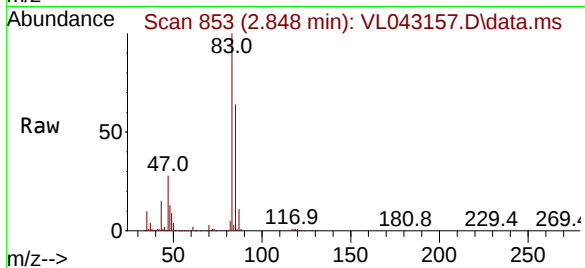
VL1106ABS01

Tgt Ion: 83 Resp: 272377

Ion Ratio Lower Upper

83 100

85 64.3 51.8 77.6



#30

Cyclohexane

Concen: 9.287 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.007 min

Lab File: VL043157.D

Acq: 06 Nov 2025 08:45

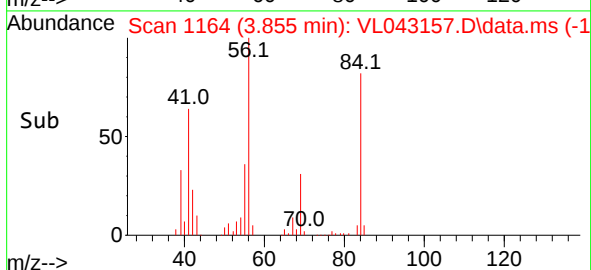
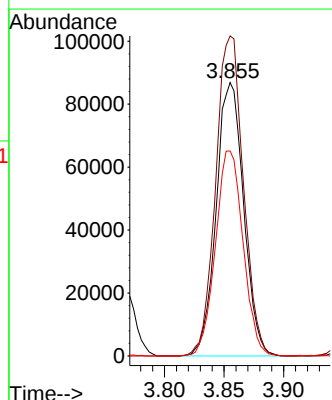
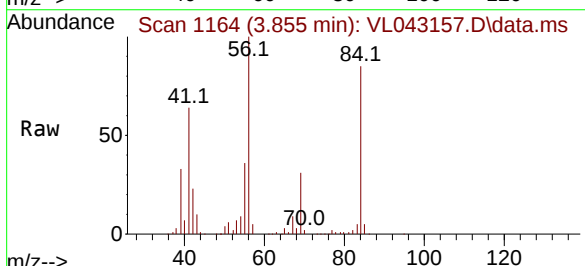
Tgt Ion: 84 Resp: 139050

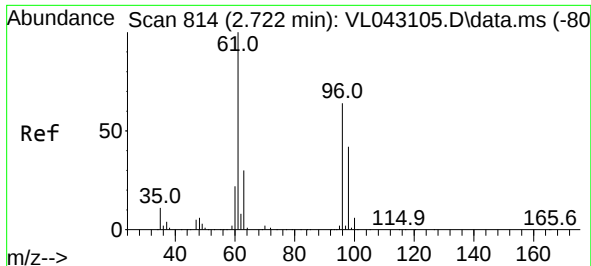
Ion Ratio Lower Upper

84 100

56 118.3 100.9 151.3

41 75.6 63.8 95.6

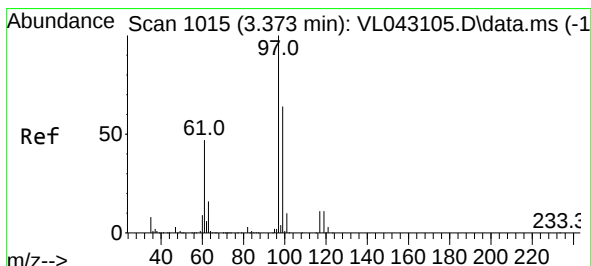
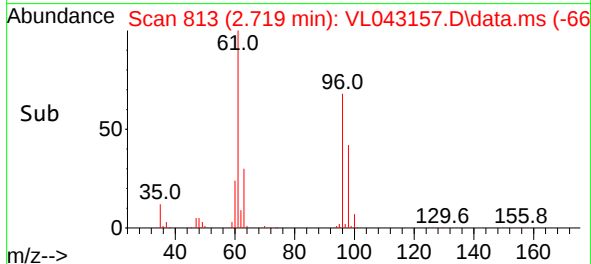
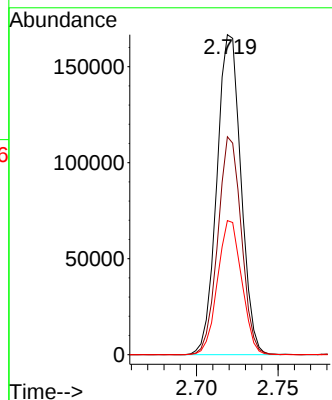
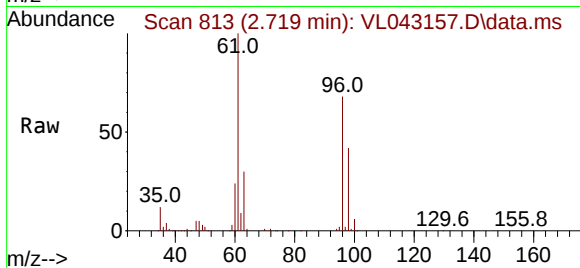




#31
 cis-1,2-Dichloroethene
 Concen: 10.456 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.004 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

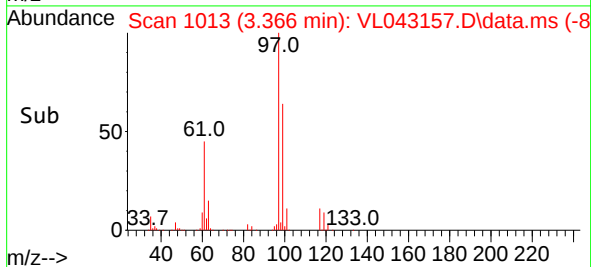
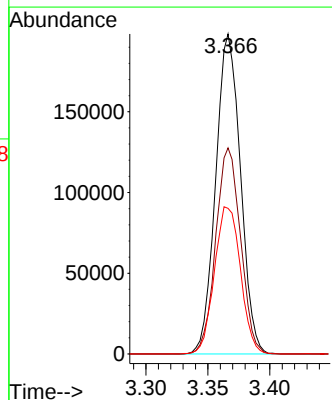
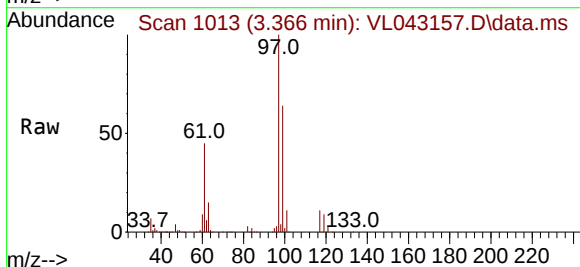
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1106ABS01

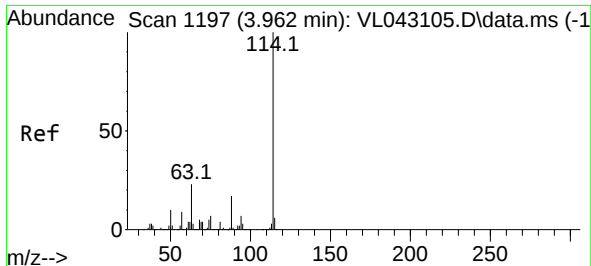
Tgt Ion: 61 Resp: 171275
 Ion Ratio Lower Upper
 61 100
 96 68.1 51.0 76.6
 98 41.9 33.5 50.3



#32
 1,1,1-Trichloroethane
 Concen: 10.684 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.007 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

Tgt Ion: 97 Resp: 276541
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.3 76.9
 61 48.4 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.007 min

Lab File: VL043157.D

Acq: 06 Nov 2025 08:45

Instrument :

MSVOA_L

ClientSampleId :

VL1106ABS01

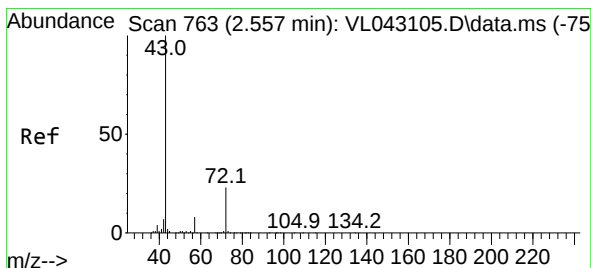
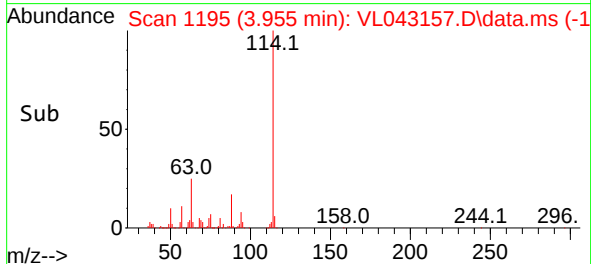
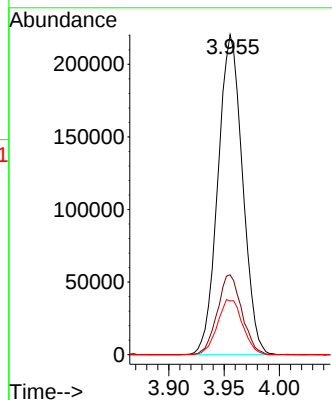
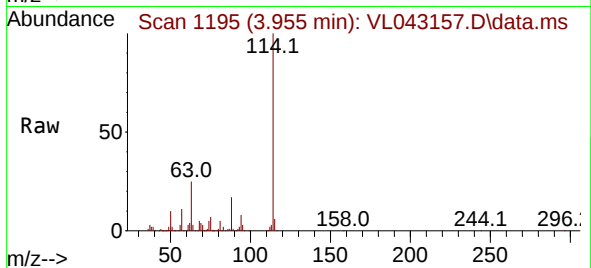
Tgt Ion:114 Resp: 340583

Ion Ratio Lower Upper

114 100

63 24.9 19.3 28.9

88 17.6 13.9 20.9



#34

2-Butanone

Concen: 10.367 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.004 min

Lab File: VL043157.D

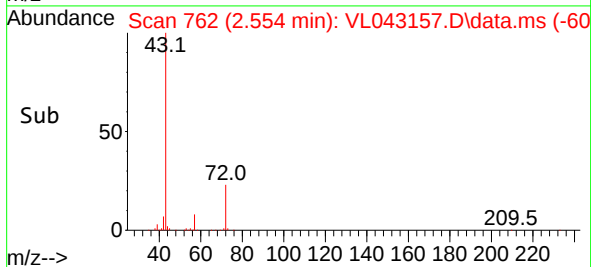
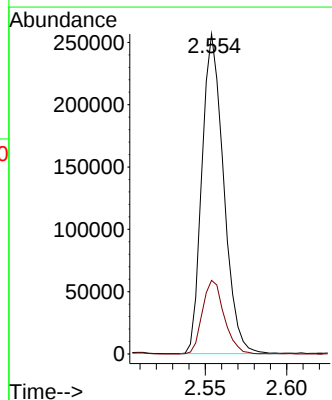
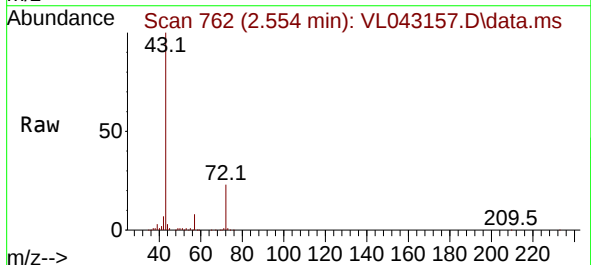
Acq: 06 Nov 2025 08:45

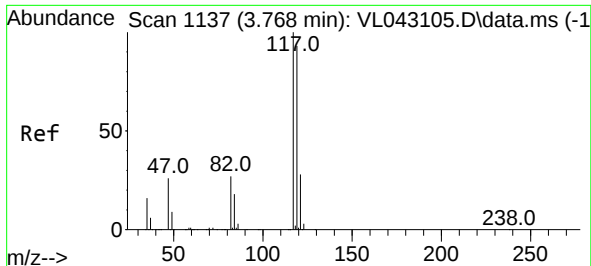
Tgt Ion: 43 Resp: 237347

Ion Ratio Lower Upper

43 100

72 23.2 18.4 27.6

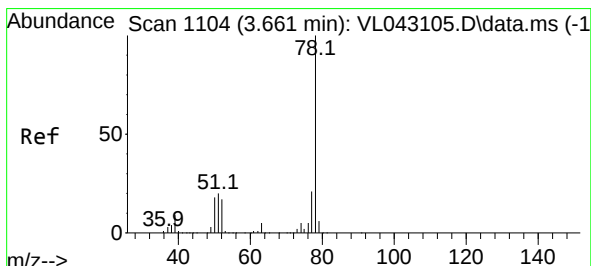
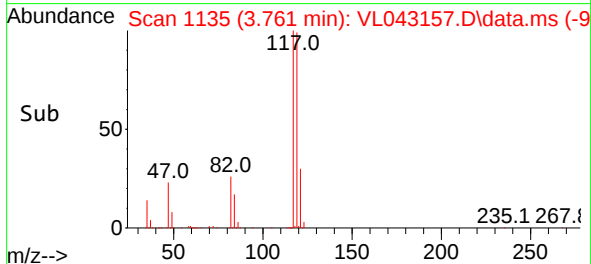
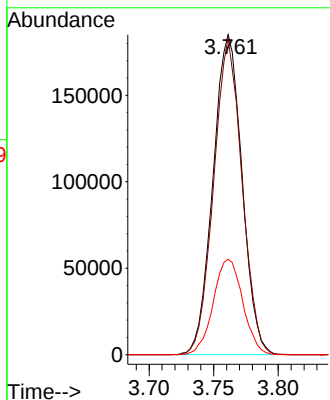
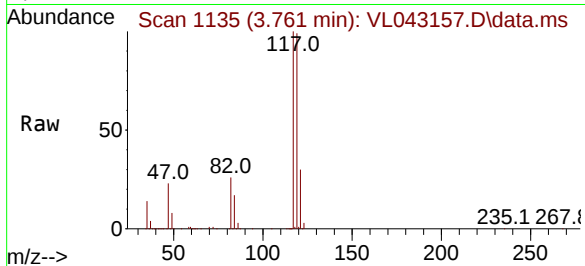




#35
Carbon Tetrachloride
Concen: 11.806 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

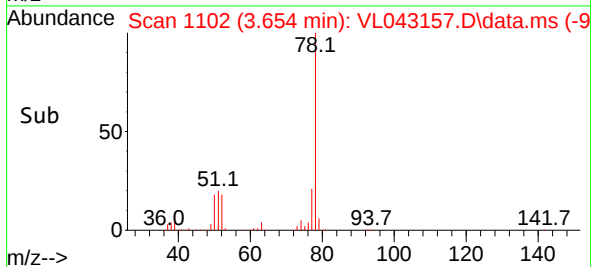
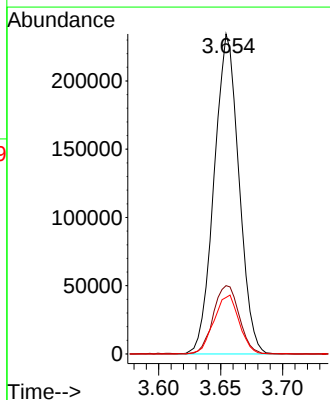
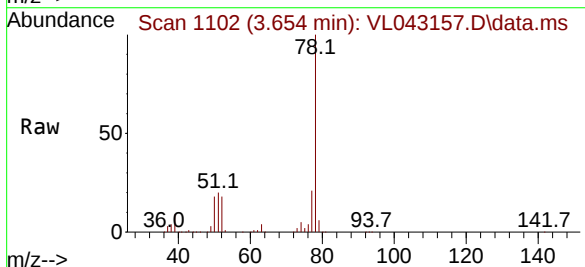
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

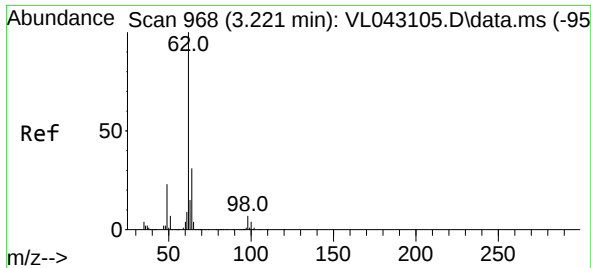
Tgt Ion:117 Resp: 289096
Ion Ratio Lower Upper
117 100
119 98.9 74.1 111.1
121 29.9 22.2 33.2



#36
Benzene
Concen: 10.193 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 78 Resp: 326982
Ion Ratio Lower Upper
78 100
77 21.3 17.0 25.6
50 17.6 14.6 22.0

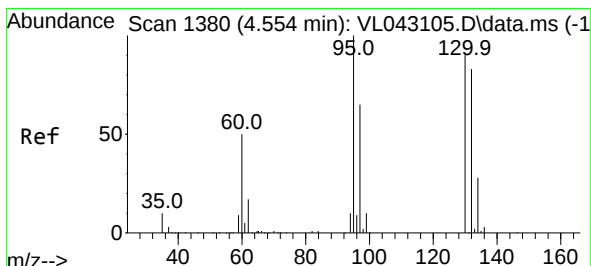
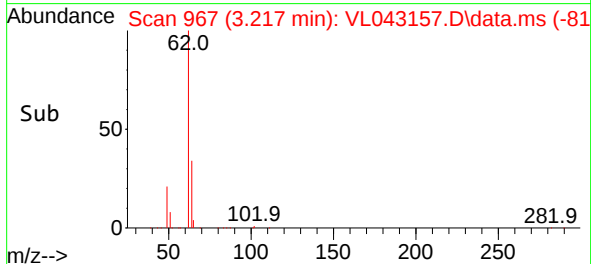
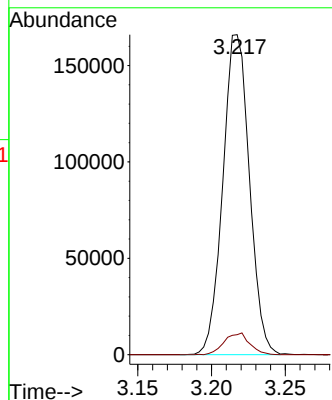
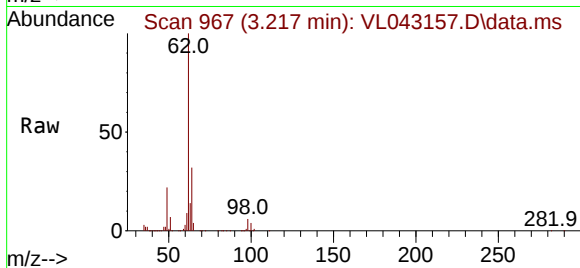




#37
1,2-Dichloroethane
Concen: 11.281 ppbv
RT: 3.217 min Scan# 90
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

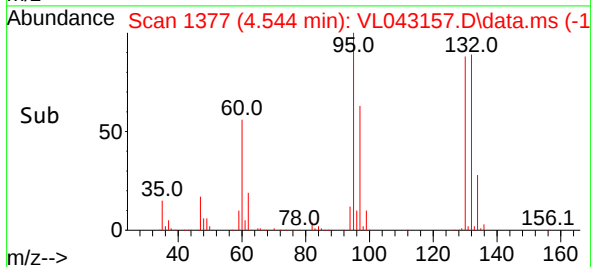
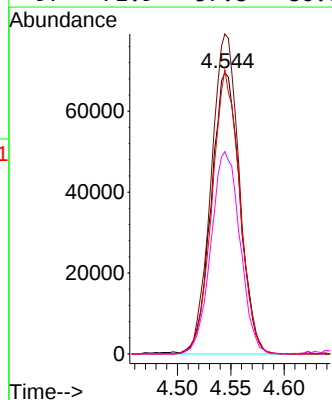
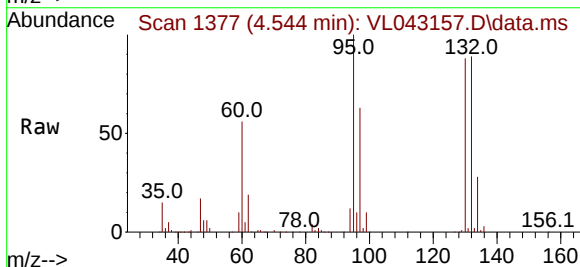
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

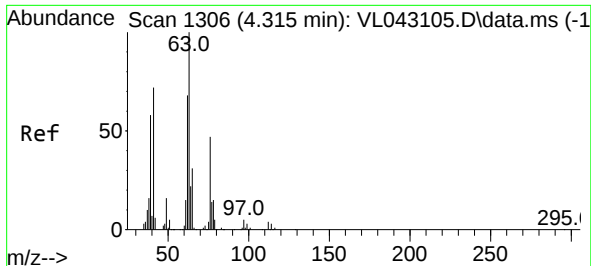
Tgt Ion: 62 Resp: 208468
Ion Ratio Lower Upper
62 100
98 6.5 5.8 8.6



#38
Trichloroethene
Concen: 9.632 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:130 Resp: 129044
Ion Ratio Lower Upper
130 100
95 113.7 88.6 133.0
132 100.9 73.4 110.0
97 71.9 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.991 ppbv

RT: 4.308 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL043157.D

Acq: 06 Nov 2025 08:45

Instrument :

MSVOA_L

ClientSampleId :

VL1106ABS01

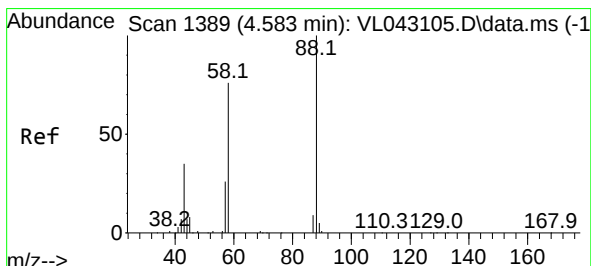
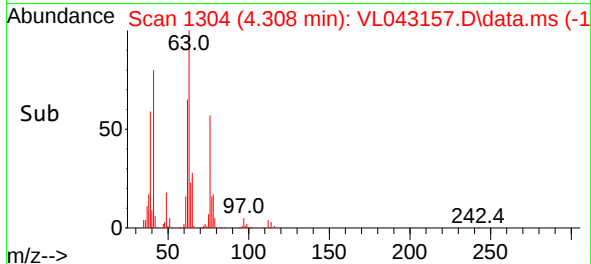
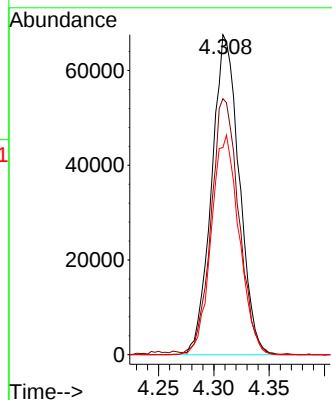
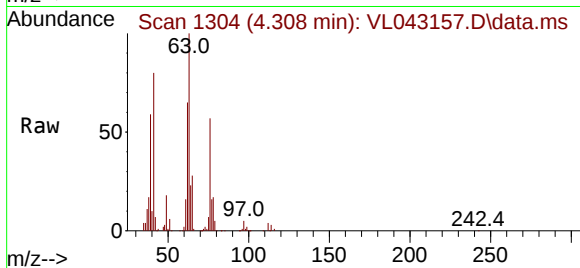
Tgt Ion: 63 Resp: 117166

Ion Ratio Lower Upper

63 100

41 79.8 58.0 87.0

62 64.7 54.7 82.1



#40

1,4-Dioxane

Concen: 9.428 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. -0.010 min

Lab File: VL043157.D

Acq: 06 Nov 2025 08:45

Tgt Ion: 88 Resp: 49474

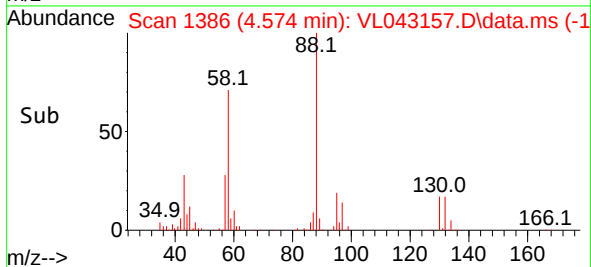
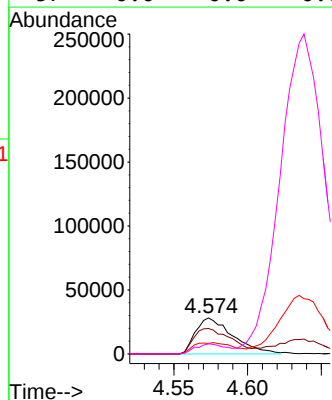
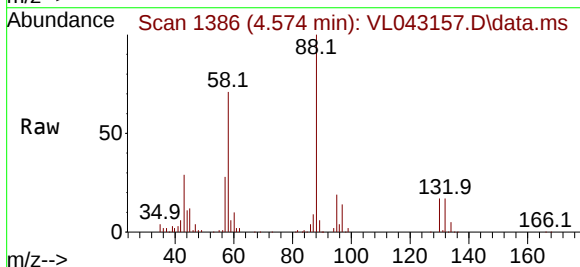
Ion Ratio Lower Upper

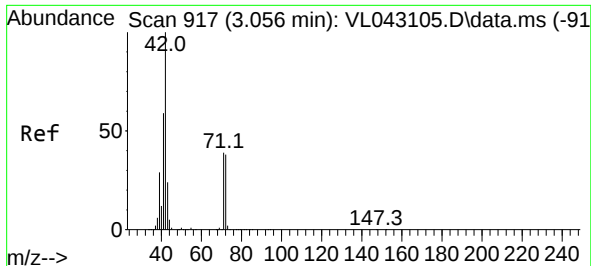
88 100

58 74.4 61.1 91.7

43 35.1 24.0 36.0

57 0.0 0.0 0.0

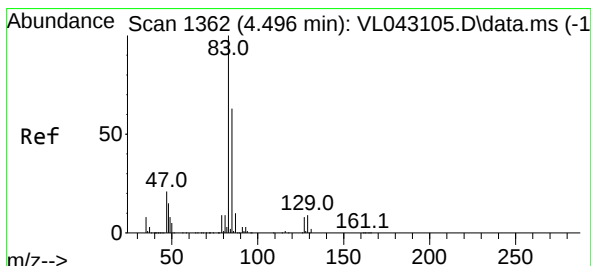
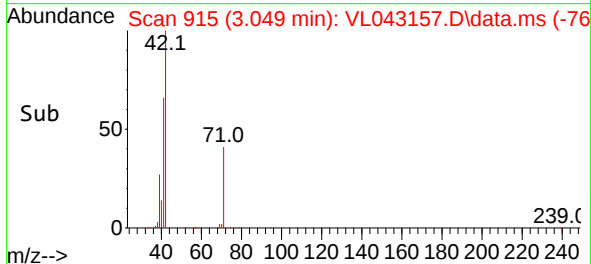
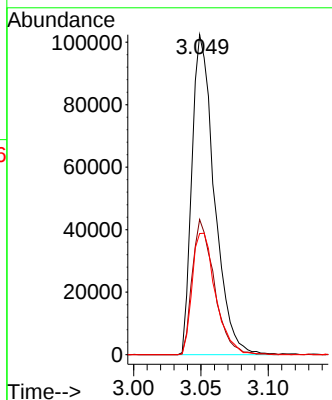
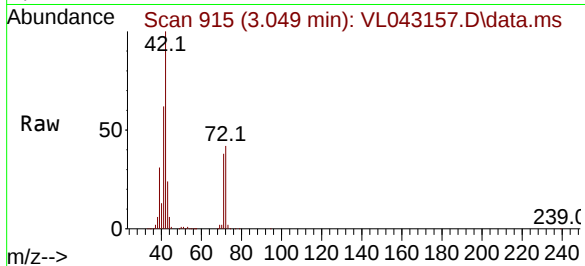




#41
Tetrahydrofuran
Concen: 9.265 ppbv
RT: 3.049 min Scan# 915
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

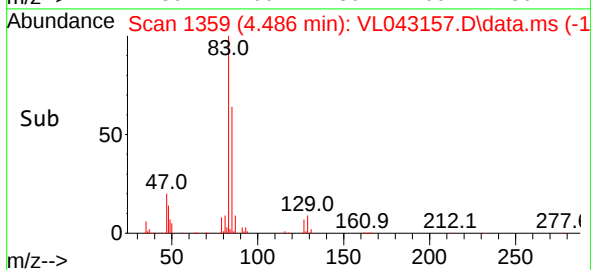
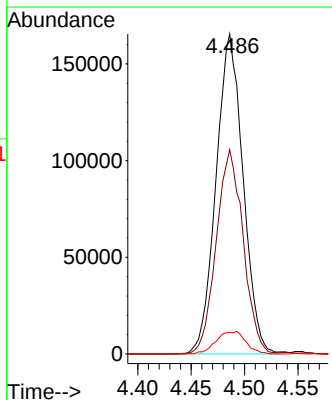
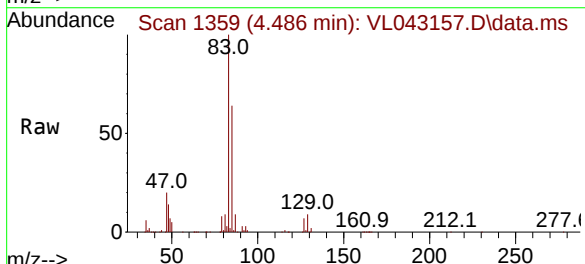
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

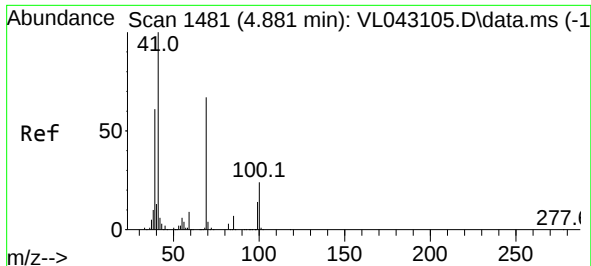
Tgt Ion: 42 Resp: 118637
Ion Ratio Lower Upper
42 100
72 41.6 31.3 46.9
71 39.6 30.4 45.6



#42
Bromodichloromethane
Concen: 11.387 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 83 Resp: 291226
Ion Ratio Lower Upper
83 100
85 63.8 50.6 75.8
127 6.8 6.3 9.5

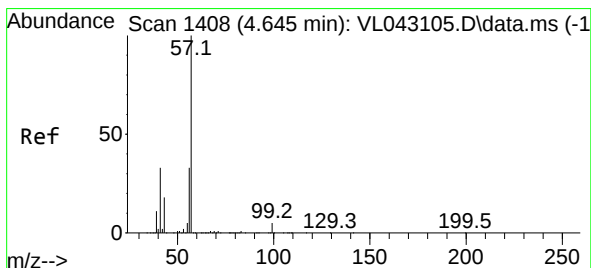
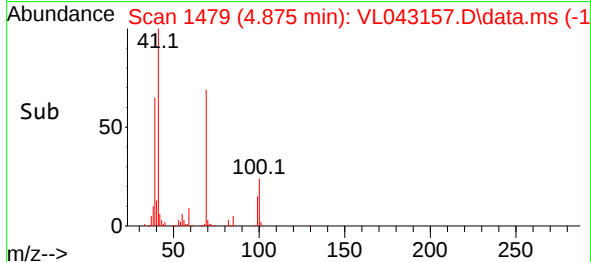
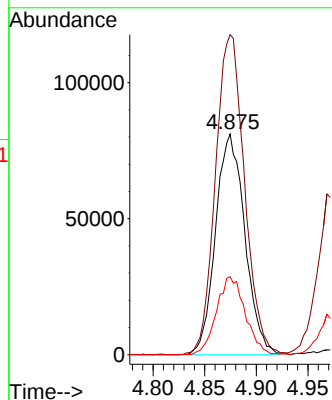
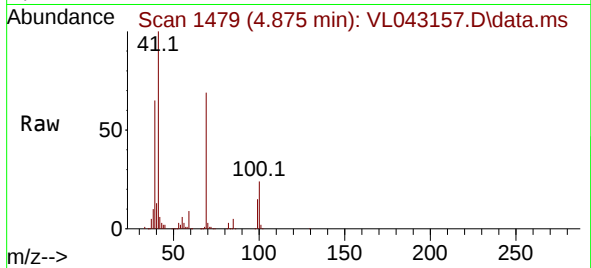




#43
Methyl Methacrylate
Concen: 9.821 ppbv
RT: 4.875 min Scan# 1479
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

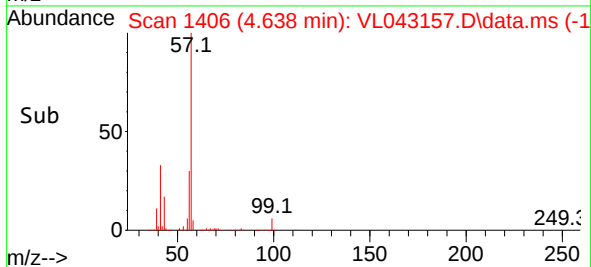
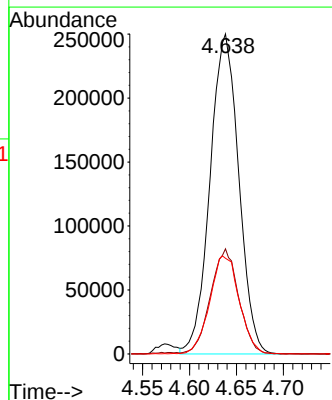
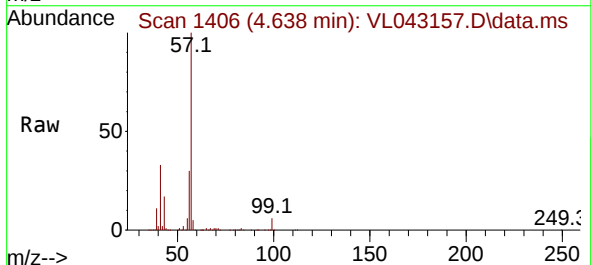
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

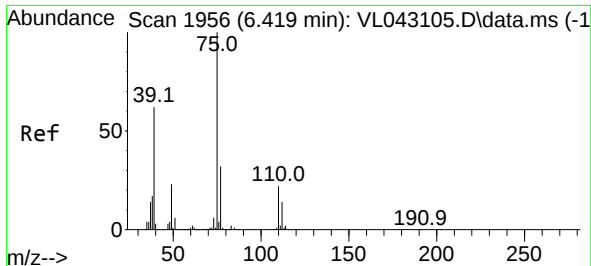
Tgt Ion: 69 Resp: 160012
Ion Ratio Lower Upper
69 100
41 143.7 120.5 180.7
100 34.6 29.0 43.4



#44
2,2,4-Trimethylpentane
Concen: 9.828 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 57 Resp: 531922
Ion Ratio Lower Upper
57 100
41 32.6 26.3 39.5
56 31.6 25.9 38.9

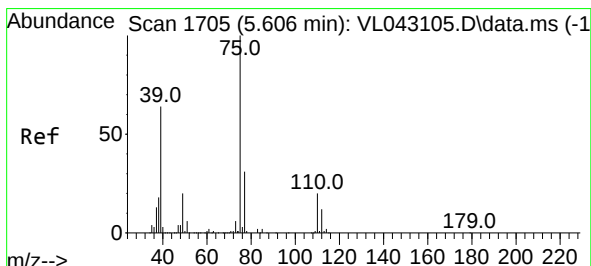
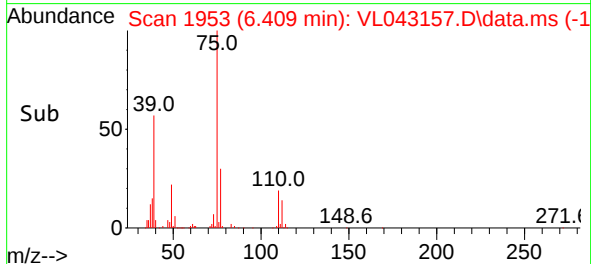
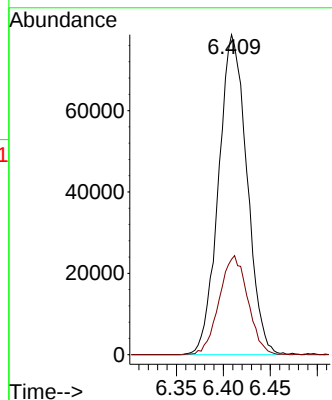
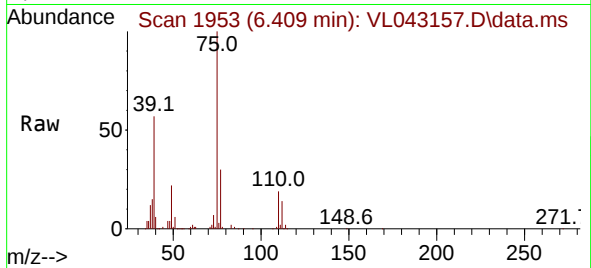




#45
 t-1,3-Dichloropropene
 Concen: 10.111 ppbv
 RT: 6.409 min Scan# 1953
 Delta R.T. -0.010 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

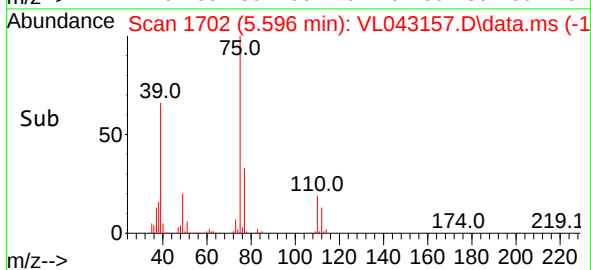
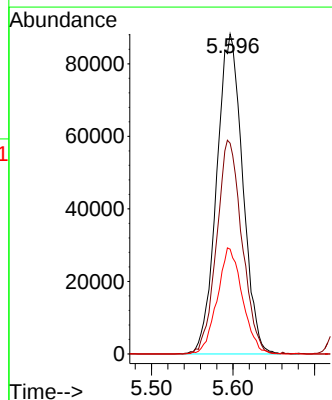
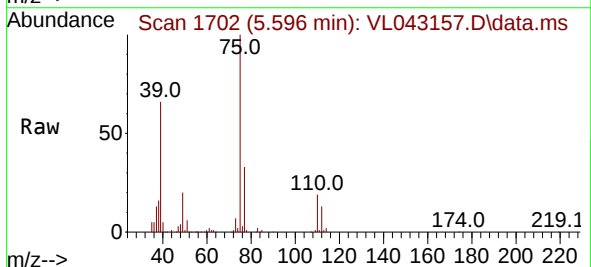
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1106ABS01

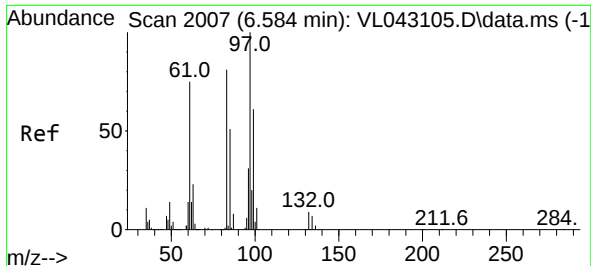
Tgt Ion: 75 Resp: 165316
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 10.001 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. -0.010 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

Tgt Ion: 75 Resp: 195336
 Ion Ratio Lower Upper
 75 100
 39 65.7 51.0 76.6
 77 32.7 25.0 37.4

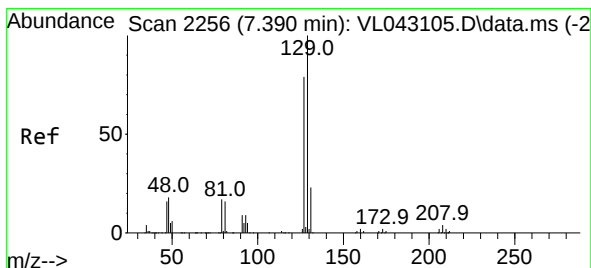
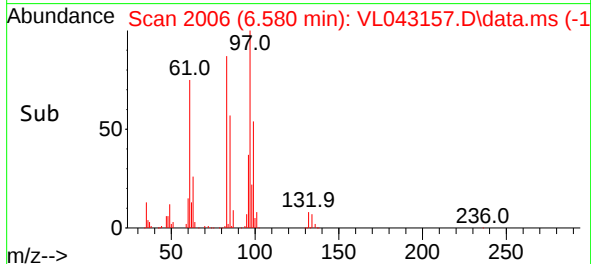
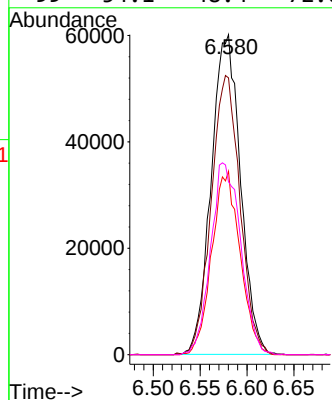
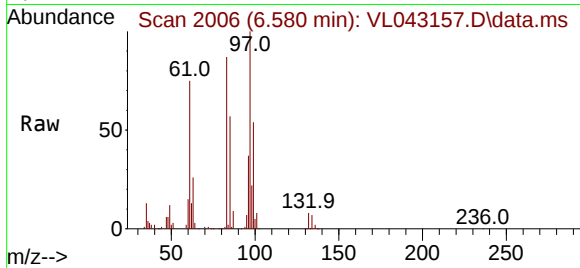




#47
1,1,2-Trichloroethane
Concen: 10.270 ppbv
RT: 6.580 min Scan# 2006
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

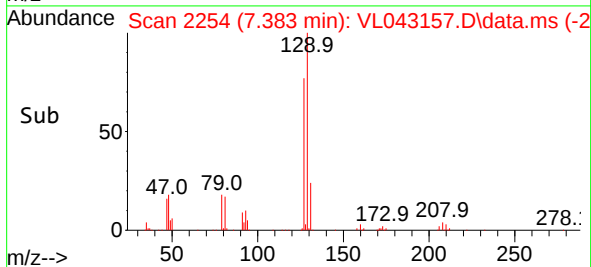
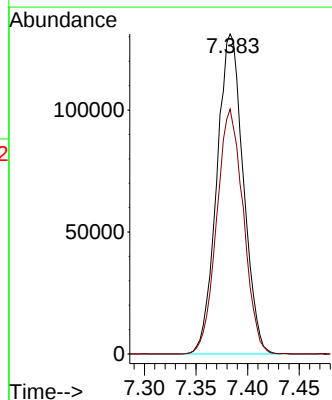
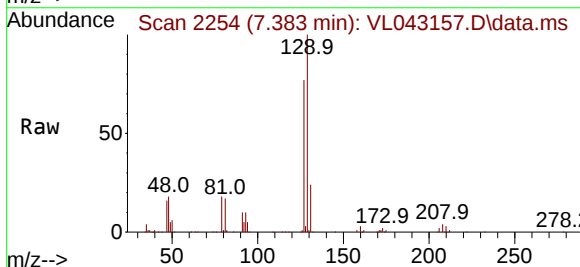
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

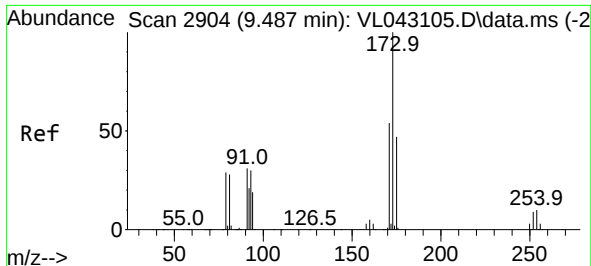
Tgt Ion: 97 Resp: 130064
Ion Ratio Lower Upper
97 100
83 86.4 64.6 96.8
85 57.4 40.6 60.8
99 54.1 48.4 72.6



#48
Dibromochloromethane
Concen: 11.091 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 129 Resp: 234841
Ion Ratio Lower Upper
129 100
127 76.8 39.3 117.9

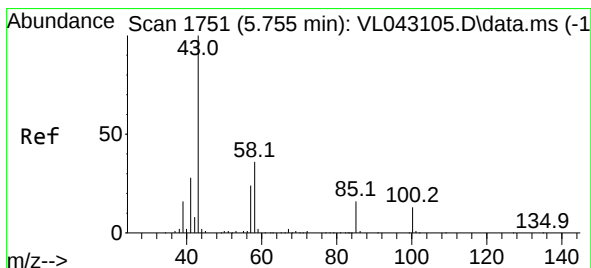
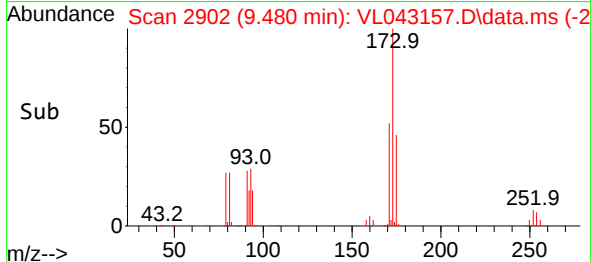
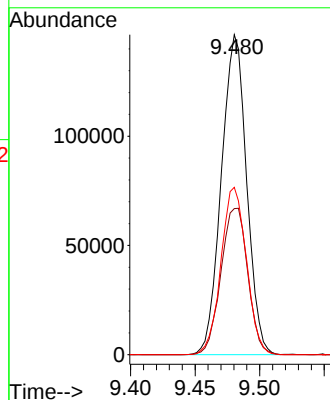
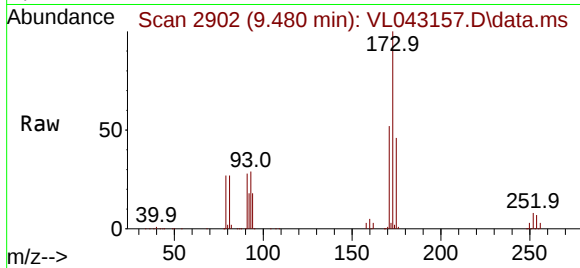




#49
Bromoform
Concen: 11.573 ppbv
RT: 9.480 min Scan# 2904
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

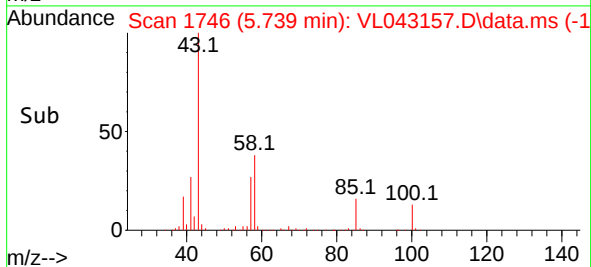
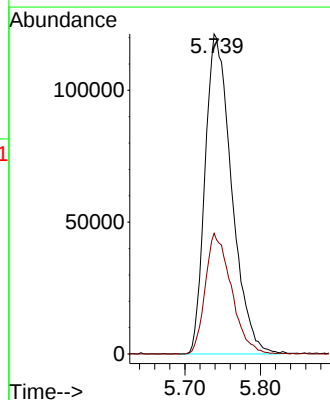
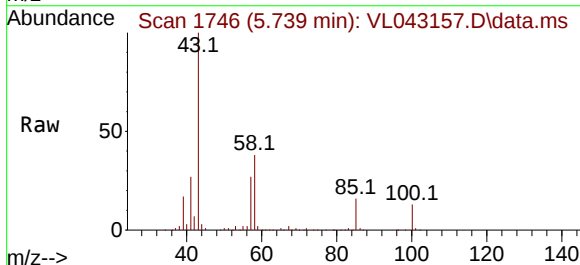
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

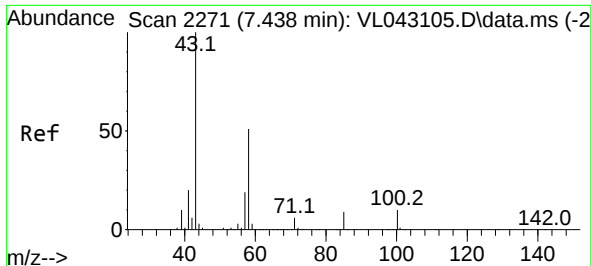
Tgt Ion:173 Resp: 199190
Ion Ratio Lower Upper
173 100
175 48.7 38.8 58.2
171 52.7 41.7 62.5



#50
4-Methyl-2-Pentanone
Concen: 9.361 ppbv
RT: 5.739 min Scan# 1746
Delta R.T. -0.016 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 43 Resp: 295763
Ion Ratio Lower Upper
43 100
58 36.9 29.1 43.7

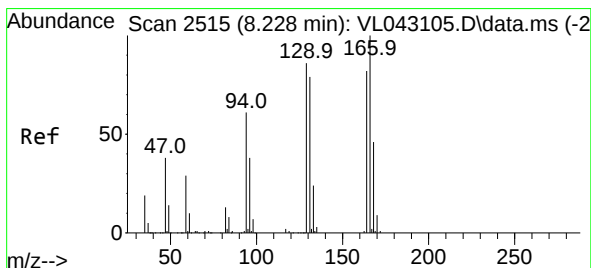
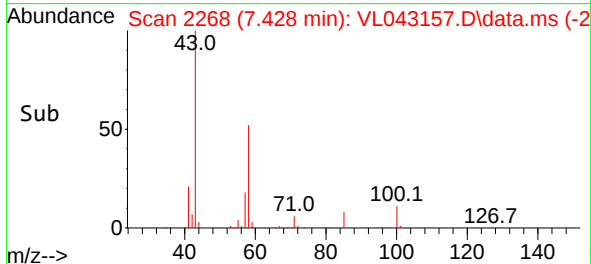
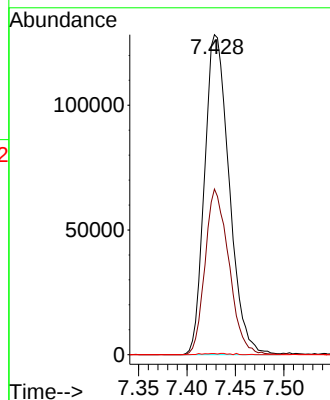
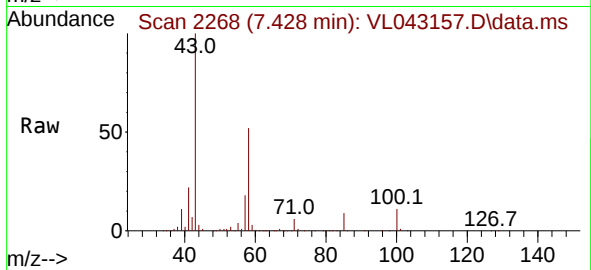




#51
2-Hexanone
Concen: 9.599 ppbv
RT: 7.428 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

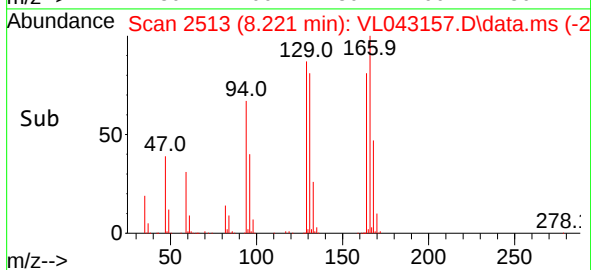
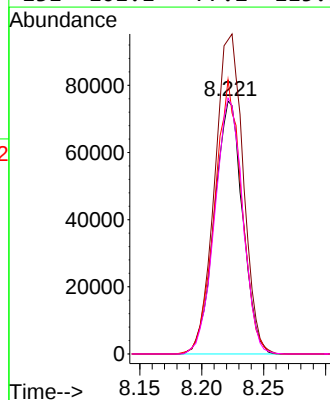
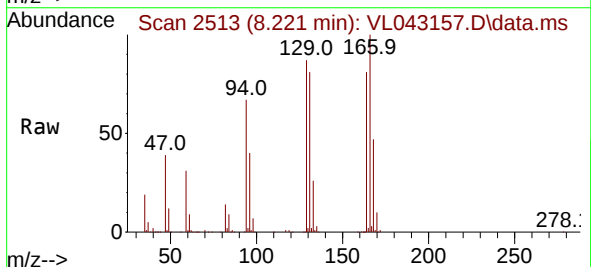
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

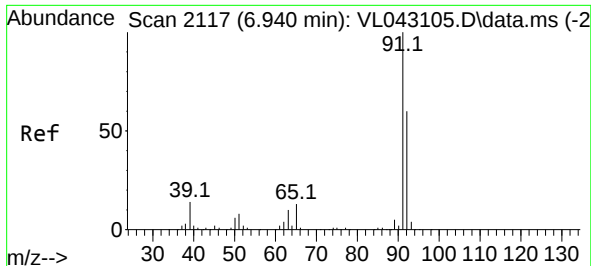
Tgt Ion: 43 Resp: 227473
Ion Ratio Lower Upper
43 100
58 50.1 40.4 60.6
98 0.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.312 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 164 Resp: 119279
Ion Ratio Lower Upper
164 100
166 124.1 97.6 146.4
129 108.3 84.5 126.7
131 101.1 77.2 115.8

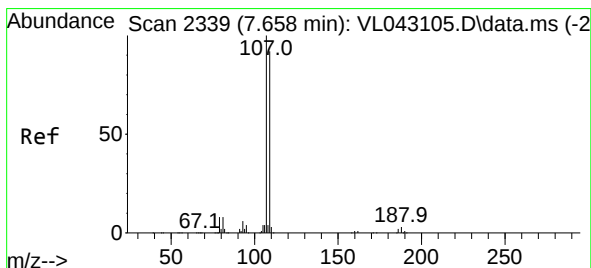
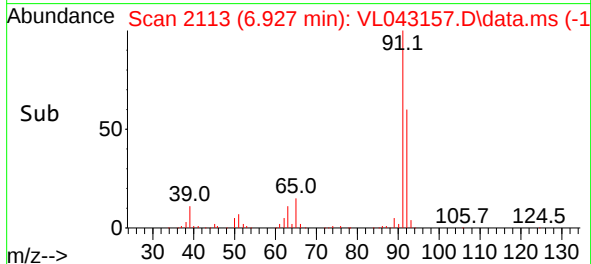
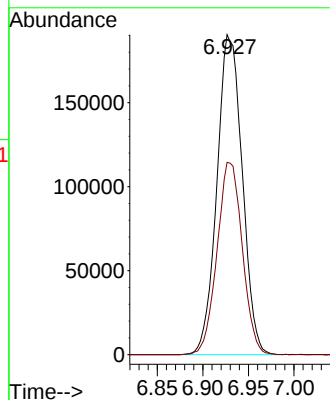
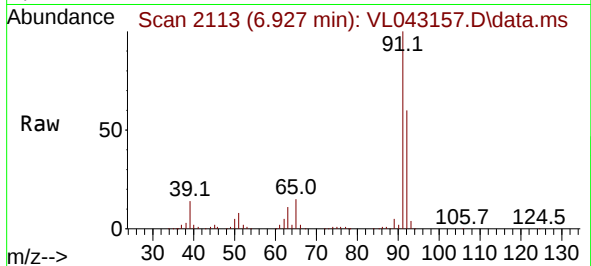




#53
Toluene
Concen: 9.679 ppbv
RT: 6.927 min Scan# 2117
Delta R.T. -0.013 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

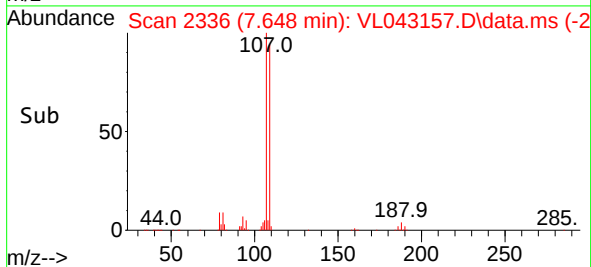
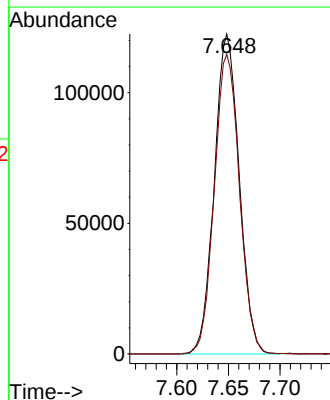
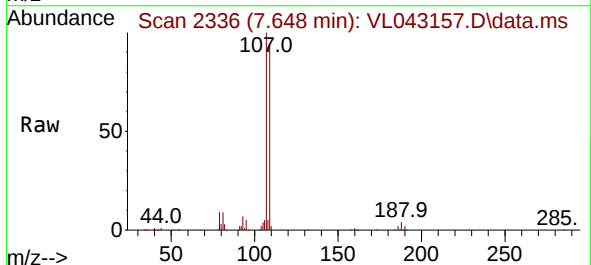
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

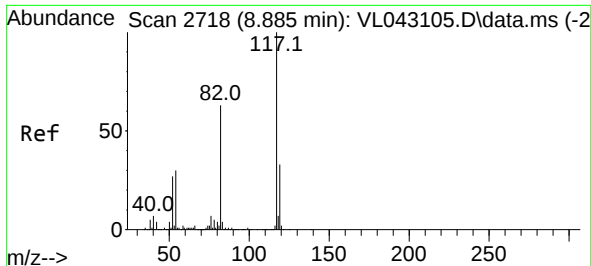
Tgt Ion: 91 Resp: 368487
Ion Ratio Lower Upper
91 100
92 59.9 48.8 73.2



#54
1,2-Dibromoethane
Concen: 10.345 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 107 Resp: 205210
Ion Ratio Lower Upper
107 100
109 93.6 73.4 110.2

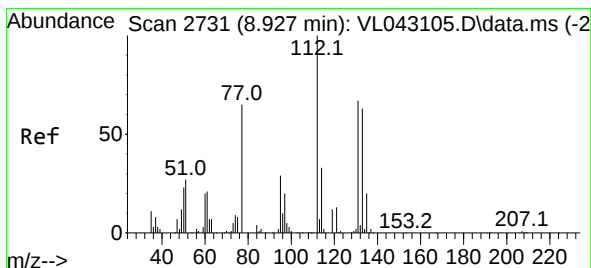
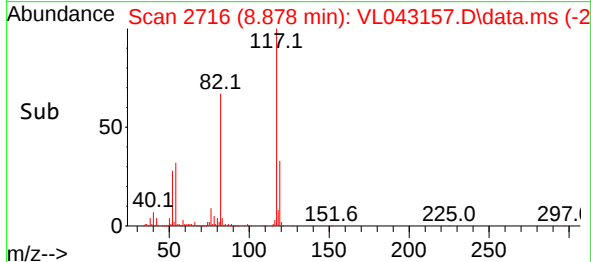
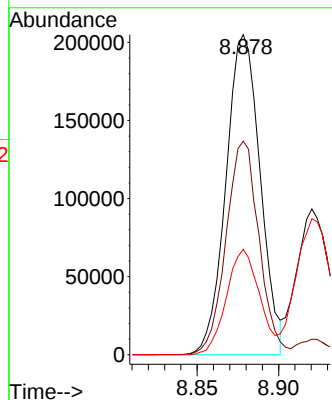
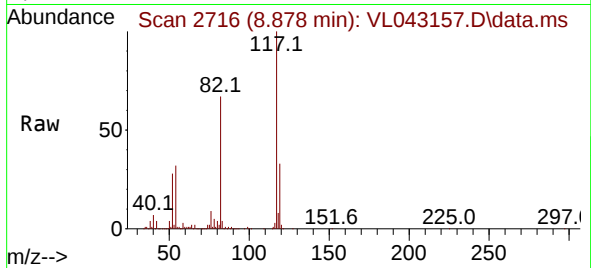




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

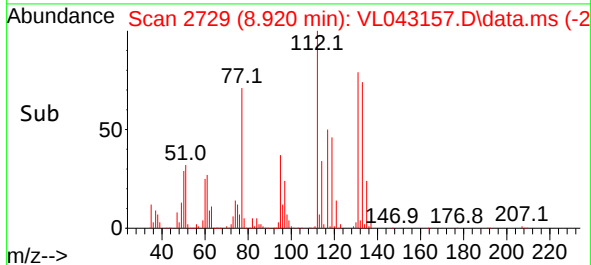
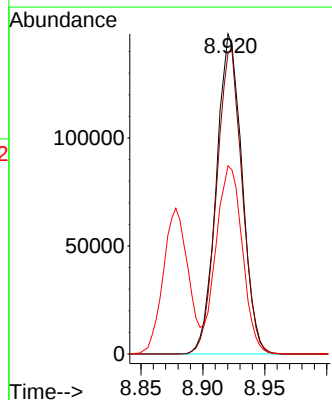
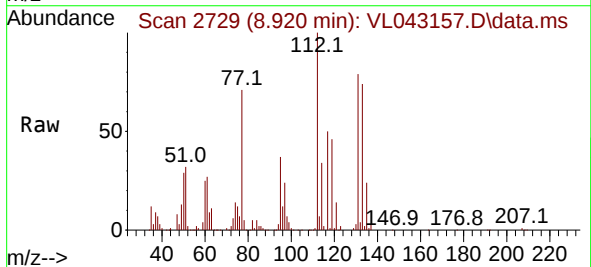
Instrument :
MSVOA_1
ClientSampleId :
VL1106ABS01

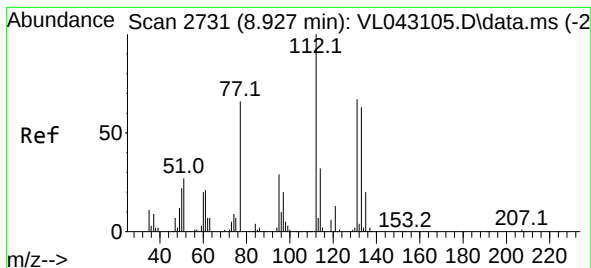
Tgt Ion:117 Resp: 299526
Ion Ratio Lower Upper
117 100
82 68.6 53.8 80.8
119 30.9 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 11.314 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:131 Resp: 213620
Ion Ratio Lower Upper
131 100
133 95.0 75.7 113.5
119 60.9 50.6 76.0





#57

Chlorobenzene

Concen: 10.219 ppbv

RT: 8.917 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL043157.D

Acq: 06 Nov 2025 08:45

Instrument :

MSVOA_L

ClientSampleId :

VL1106ABS01

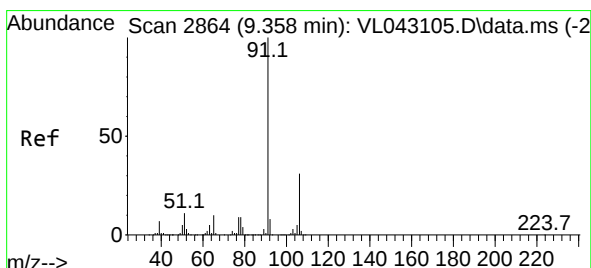
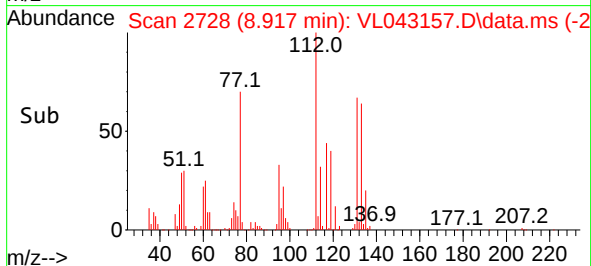
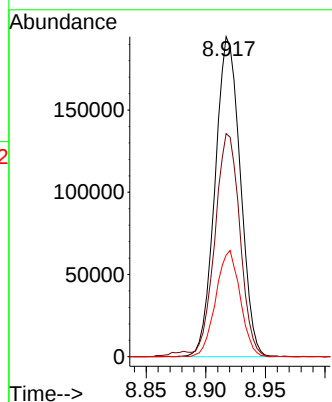
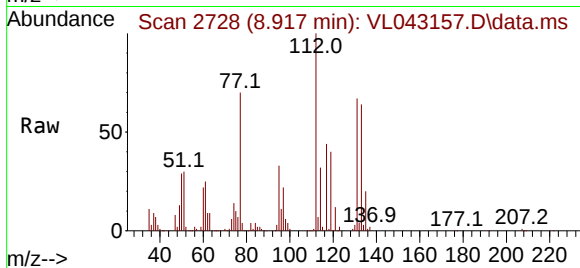
Tgt Ion:112 Resp: 286347

Ion Ratio Lower Upper

112 100

77 69.7 53.3 79.9

114 31.7 29.3 35.8



#58

Ethyl Benzene

Concen: 10.307 ppbv

RT: 9.351 min Scan# 2862

Delta R.T. -0.007 min

Lab File: VL043157.D

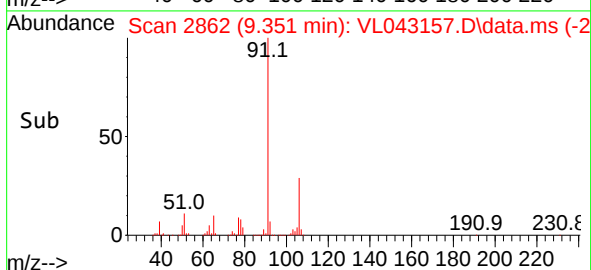
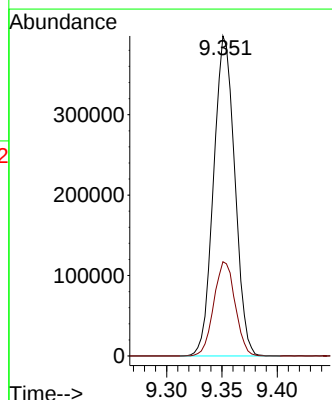
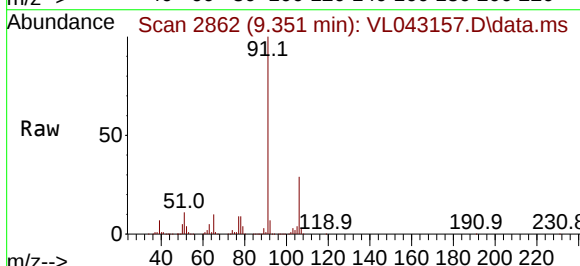
Acq: 06 Nov 2025 08:45

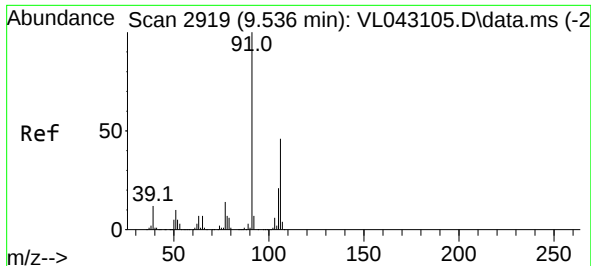
Tgt Ion: 91 Resp: 529847

Ion Ratio Lower Upper

91 100

106 29.4 24.8 37.2

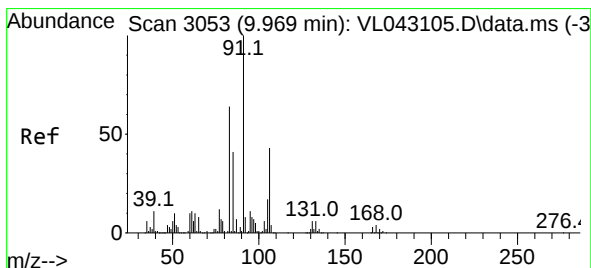
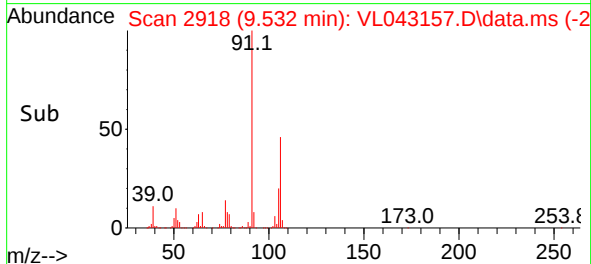
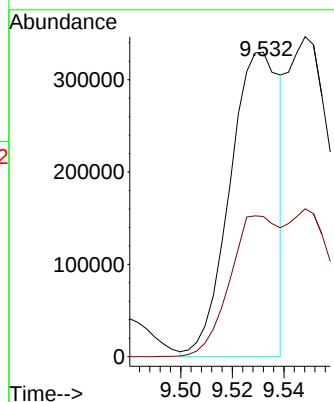
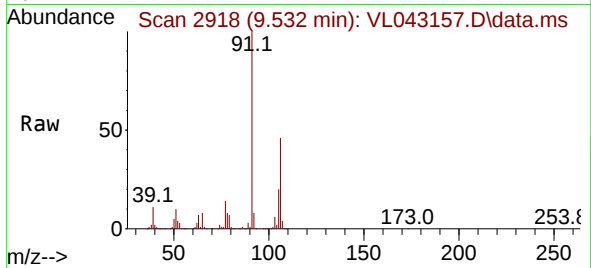




#59
m/p-Xylene
Concen: 10.774 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

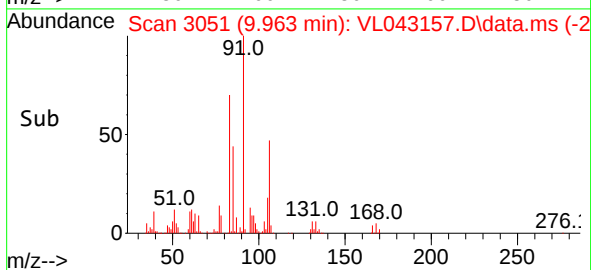
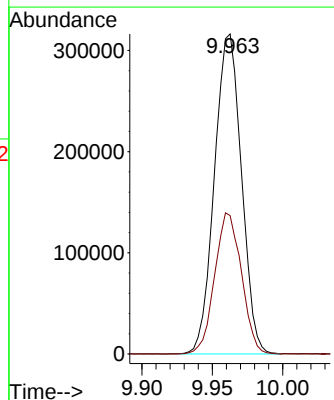
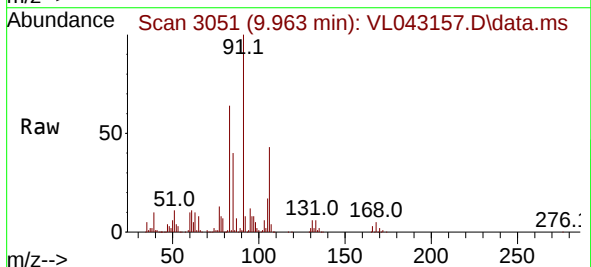
Instrument :
MSVOA_1
ClientSampleId :
VL1106ABS01

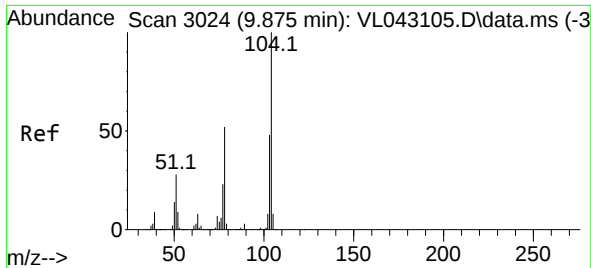
Tgt Ion: 91 Resp: 441757
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0#



#60
o-Xylene
Concen: 10.442 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 422838
Ion Ratio Lower Upper
91 100
106 43.6 21.9 65.8

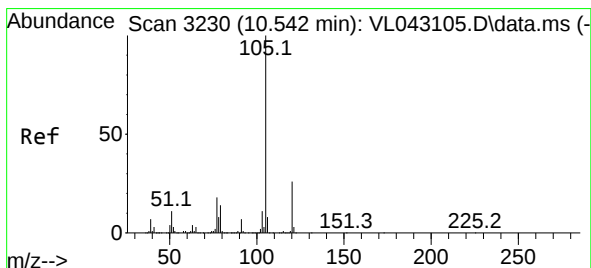
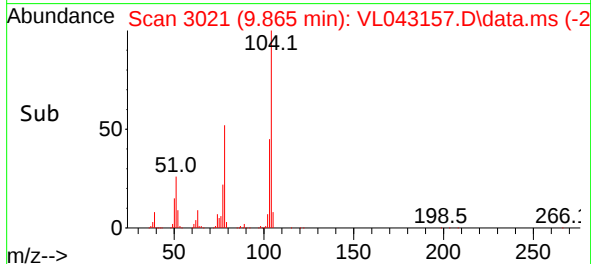
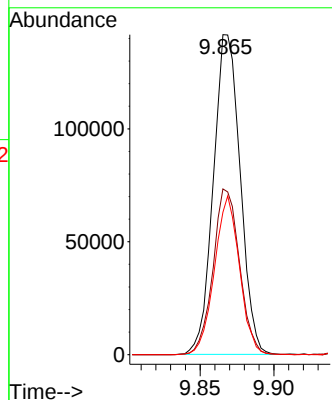
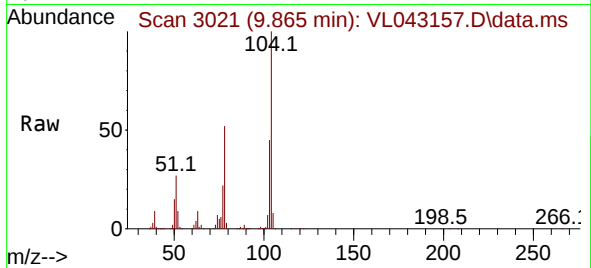




#61
Styrene
Concen: 9.802 ppbv
RT: 9.865 min Scan# 3024
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

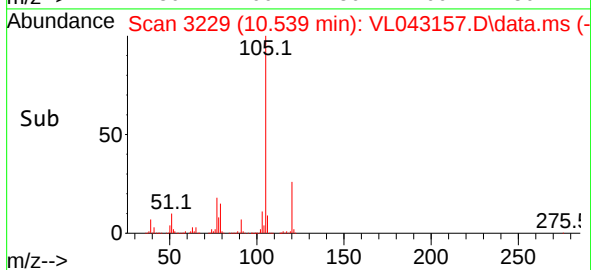
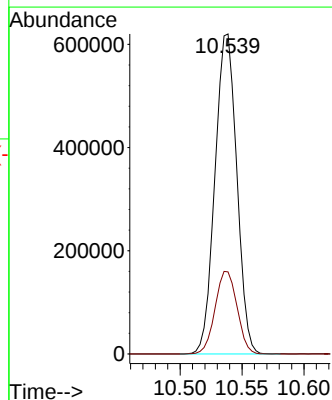
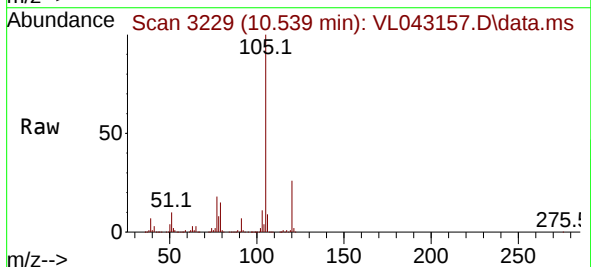
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

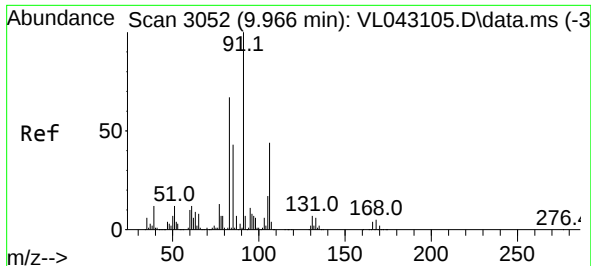
Tgt Ion:104 Resp: 179195
Ion Ratio Lower Upper
104 100
78 51.2 40.2 60.2
103 46.3 36.9 55.3



#62
Isopropylbenzene
Concen: 10.416 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:105 Resp: 762154
Ion Ratio Lower Upper
105 100
120 25.9 20.2 30.4

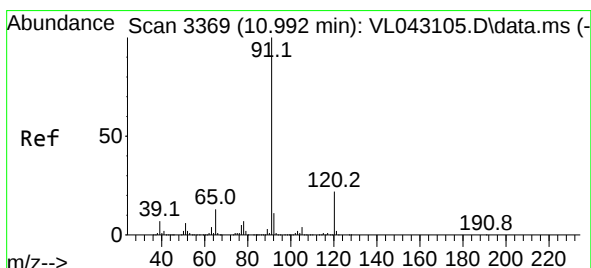
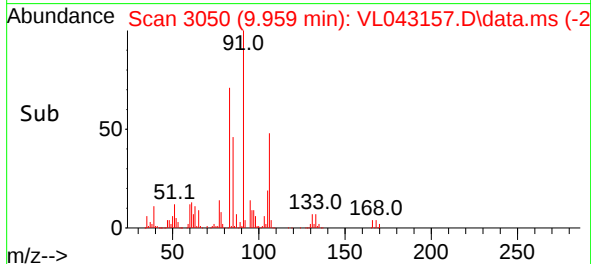
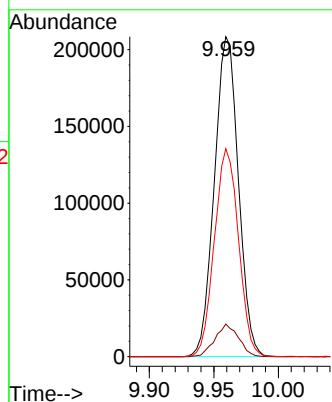
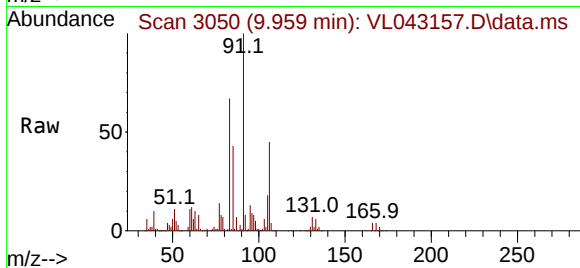




#63
1,1,2,2-Tetrachloroethane
Concen: 9.947 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

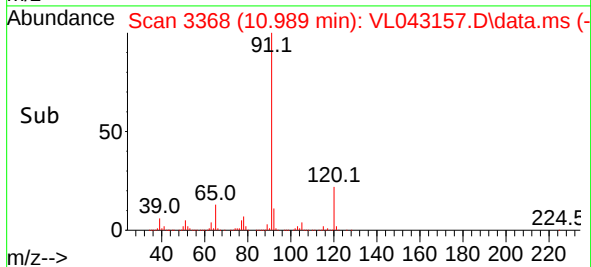
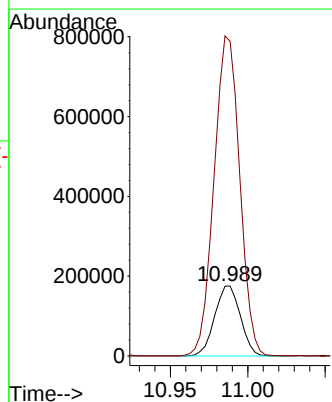
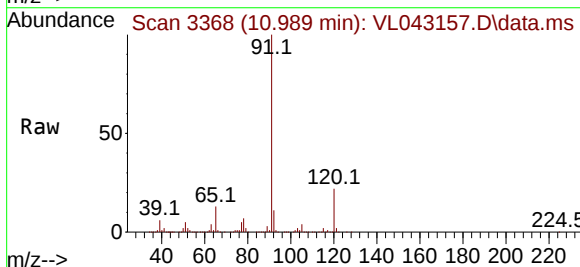
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

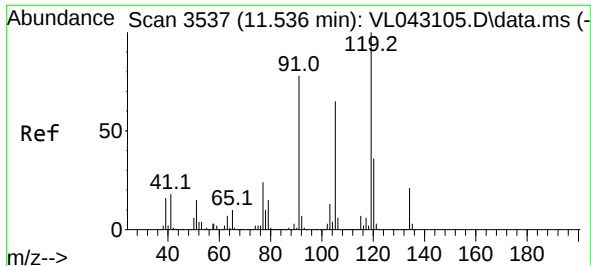
Tgt Ion: 83 Resp: 269723
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 65.2 32.0 96.0



#64
n-propylbenzene
Concen: 10.424 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 120 Resp: 201938
Ion Ratio Lower Upper
120 100
91 458.0 361.6 542.4

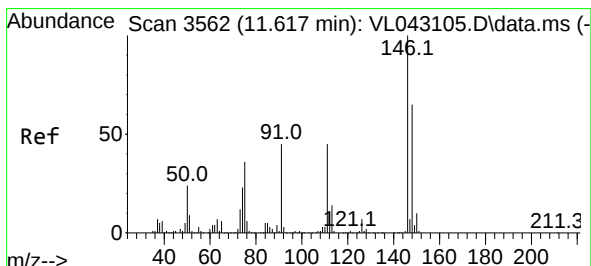
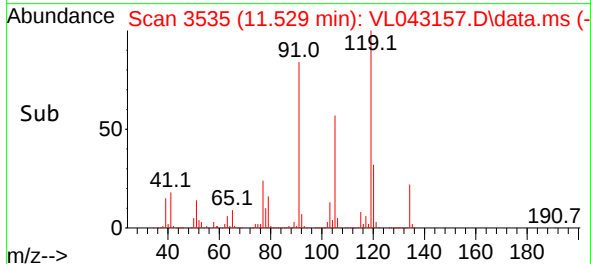
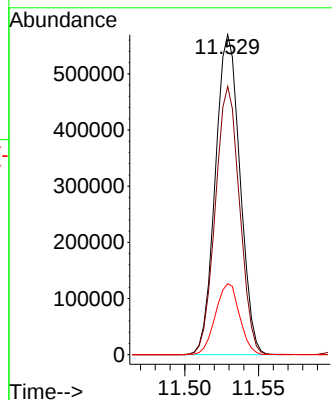
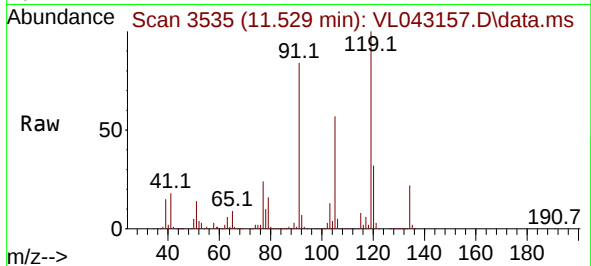




#65
tert-Butylbenzene
Concen: 10.254 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

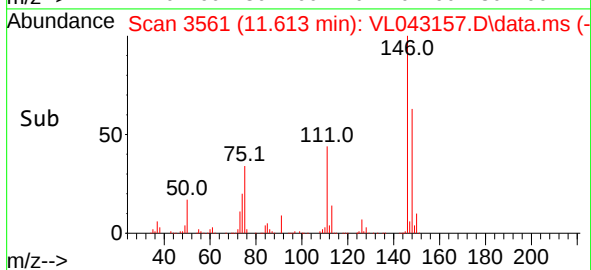
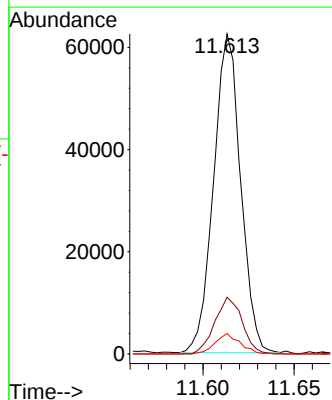
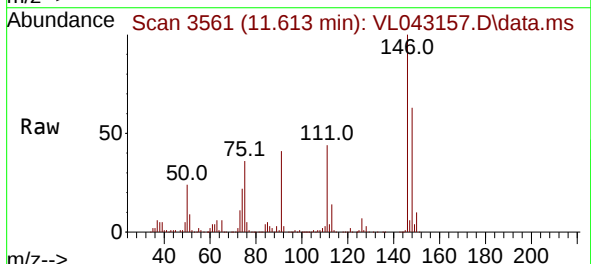
Instrument :
MSVOA_1
ClientSampleId :
VL1106ABS01

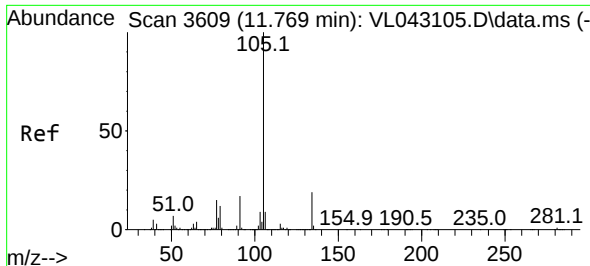
Tgt Ion:119 Resp: 662570
Ion Ratio Lower Upper
119 100
91 82.4 63.4 95.0
134 21.7 17.3 25.9



#66
Benzyl Chloride
Concen: 8.935 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 64257
Ion Ratio Lower Upper
91 100
126 18.0 14.6 22.0
128 5.9 4.6 6.8

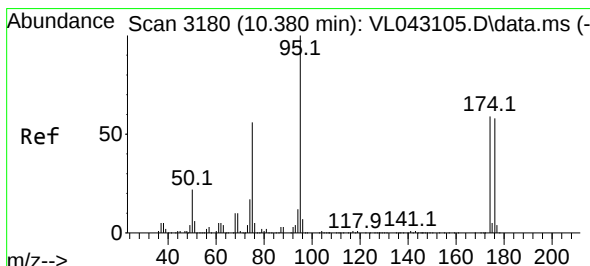
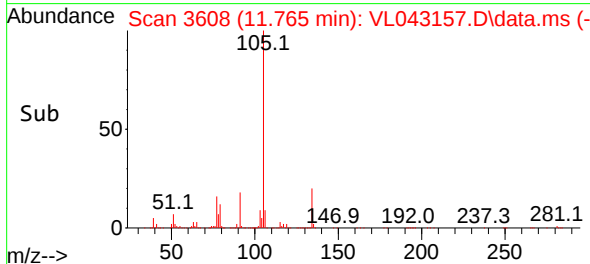
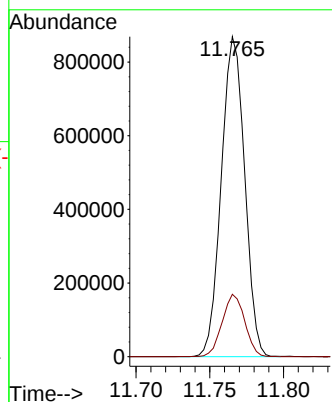
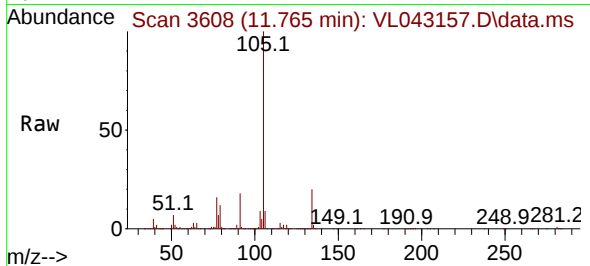




#67
 sec-Butylbenzene
 Concen: 10.438 ppbv
 RT: 11.765 min Scan# 3178
 Delta R.T. -0.004 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

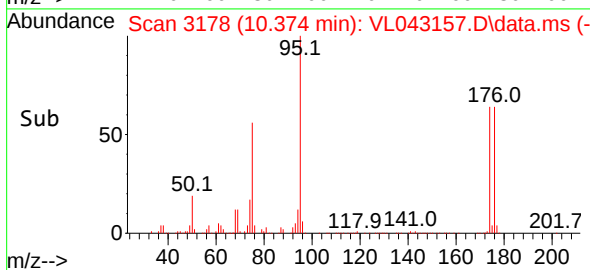
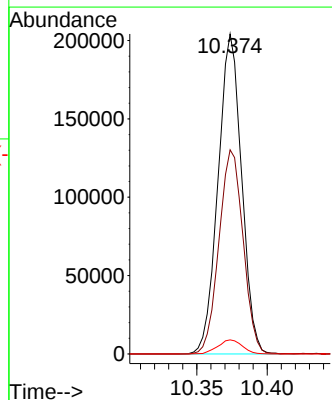
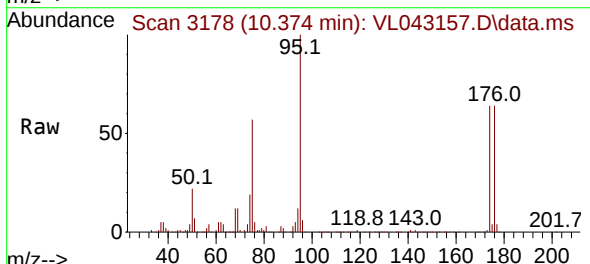
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1106ABS01

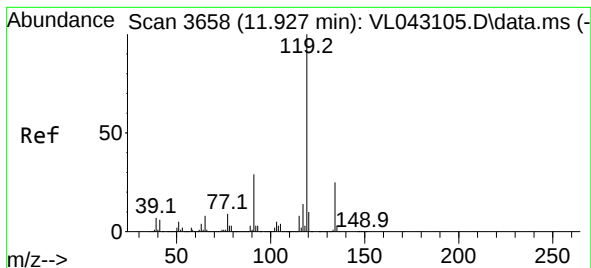
Tgt Ion:105 Resp: 957255
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.214 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.007 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

Tgt Ion: 95 Resp: 237797
 Ion Ratio Lower Upper
 95 100
 174 65.3 48.3 72.5
 175 4.6 3.8 5.8





#69

p-Isopropyltoluene

Concen: 10.205 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. -0.004 min

Lab File: VL043157.D

Acq: 06 Nov 2025 08:45

Instrument :

MSVOA_1

ClientSampleId :

VL1106ABS01

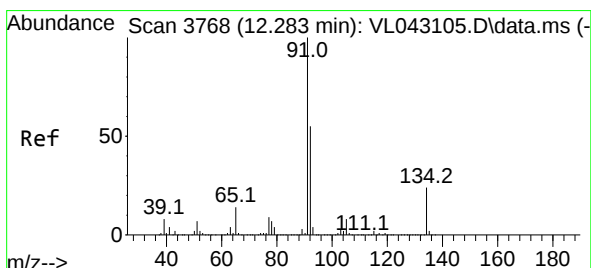
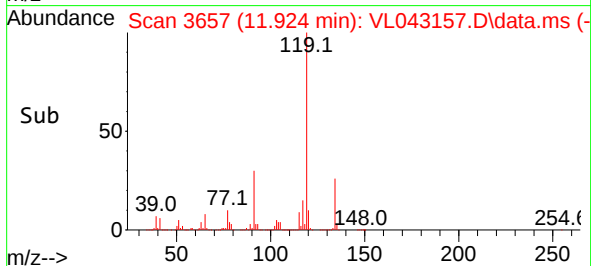
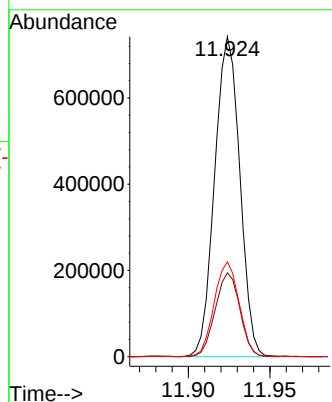
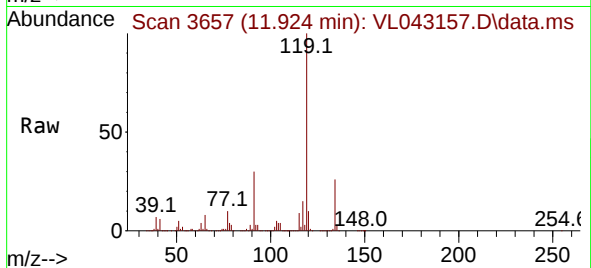
Tgt Ion:119 Resp: 795241

Ion Ratio Lower Upper

119 100

134 25.7 20.3 30.5

91 29.5 22.6 33.8



#70

n-Butylbenzene

Concen: 10.392 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. -0.004 min

Lab File: VL043157.D

Acq: 06 Nov 2025 08:45

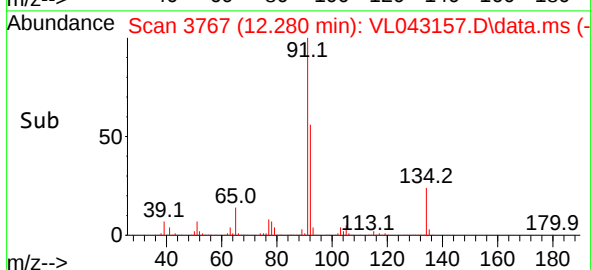
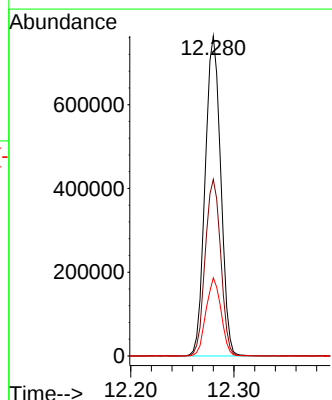
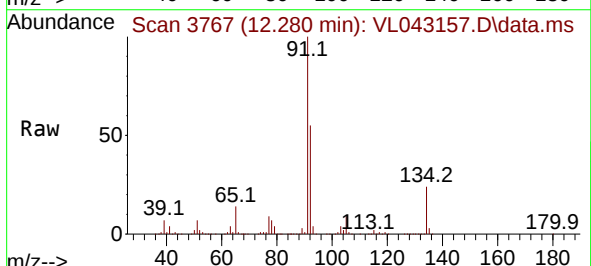
Tgt Ion: 91 Resp: 798019

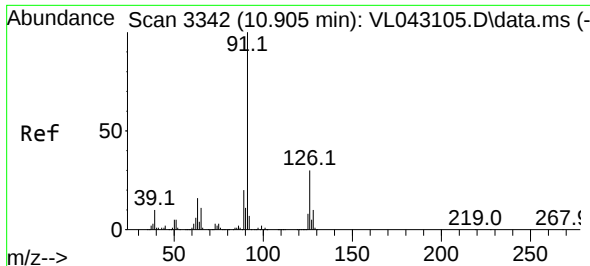
Ion Ratio Lower Upper

91 100

92 55.0 44.5 66.7

134 23.6 19.3 28.9

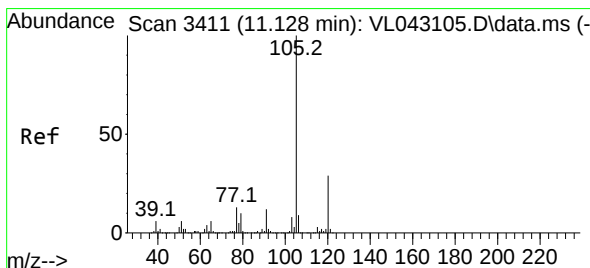
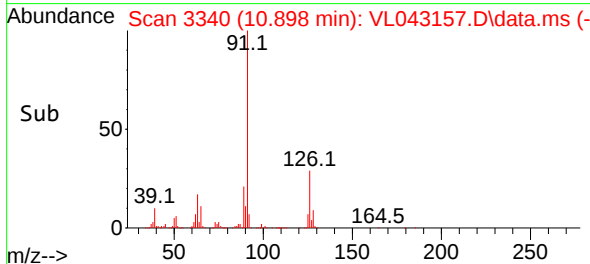
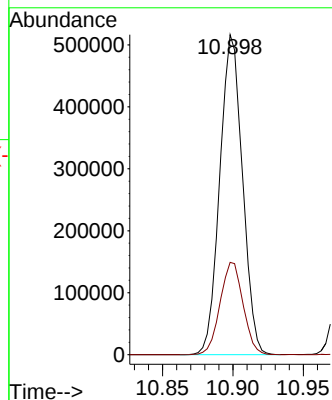
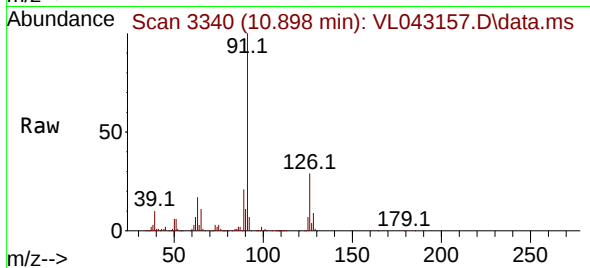




#71
2-Chlorotoluene
Concen: 10.386 ppbv
RT: 10.898 min Scan# 311
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

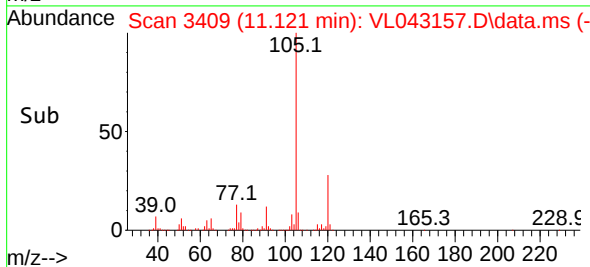
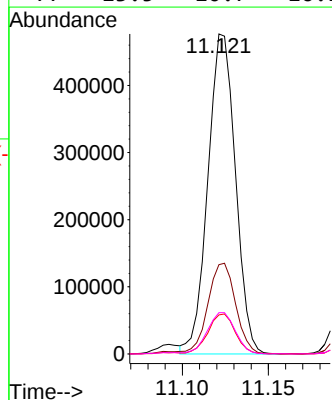
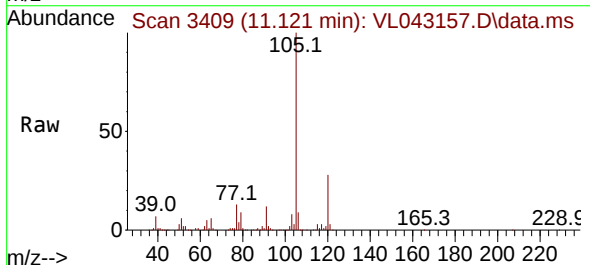
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

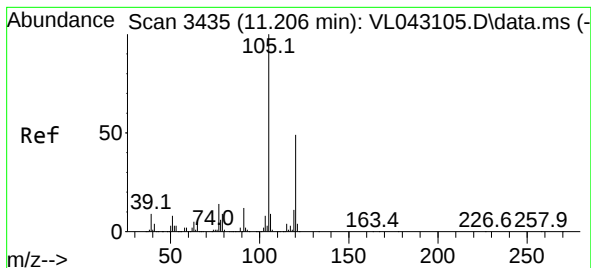
Tgt Ion: 91 Resp: 579642
Ion Ratio Lower Upper
91 100
126 29.3 12.0 48.0



#72
4-Ethyltoluene
Concen: 10.660 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:105 Resp: 530791
Ion Ratio Lower Upper
105 100
120 29.2 24.2 36.4
91 12.7 10.0 15.0
77 13.5 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 10.731 ppbv

RT: 11.202 min Scan# 34

Delta R.T. -0.004 min

Lab File: VL043157.D

Acq: 06 Nov 2025 08:45

Instrument :

MSVOA_1

ClientSampleId :

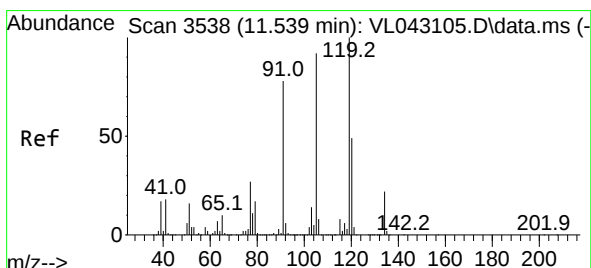
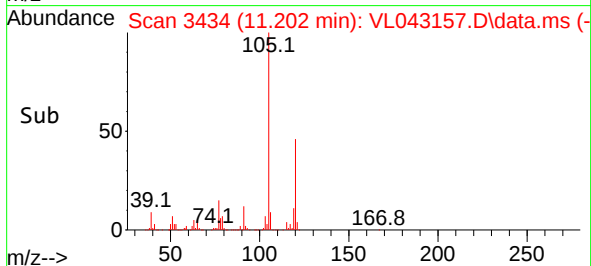
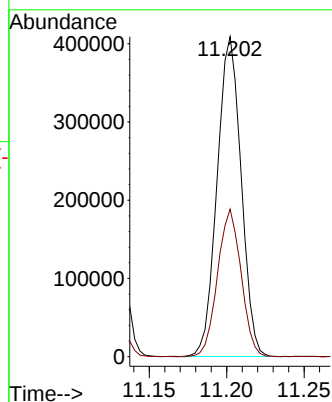
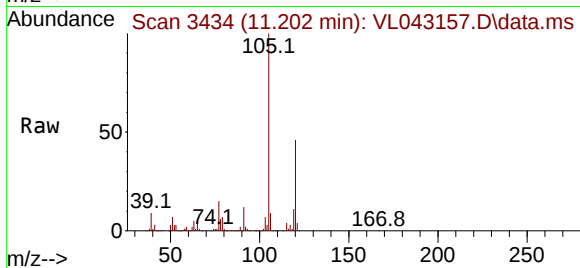
VL1106ABS01

Tgt Ion:105 Resp: 440663

Ion Ratio Lower Upper

105 100

120 46.1 39.0 58.6



#74

1,2,4-Trimethylbenzene

Concen: 10.390 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.004 min

Lab File: VL043157.D

Acq: 06 Nov 2025 08:45

Tgt Ion:105 Resp: 477453

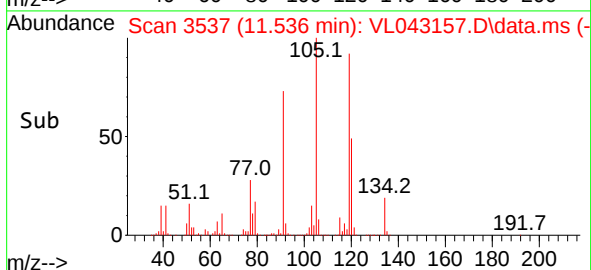
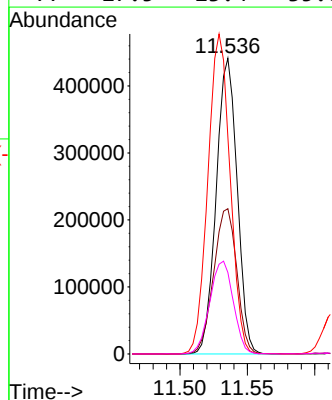
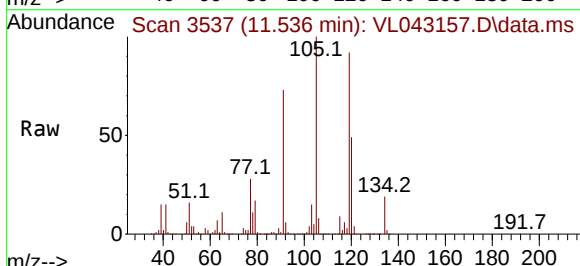
Ion Ratio Lower Upper

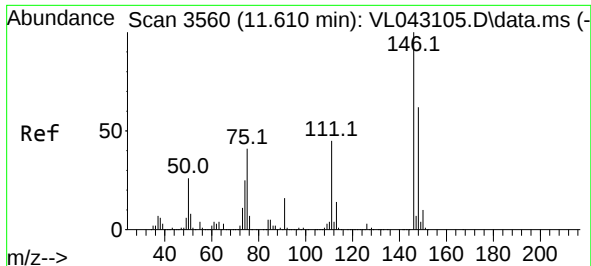
105 100

120 49.1 42.8 64.2

91 73.4 68.3 102.5

77 27.5 23.4 35.0

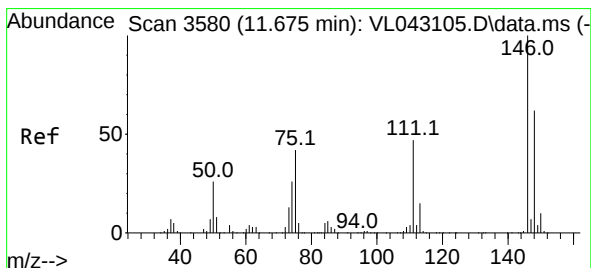
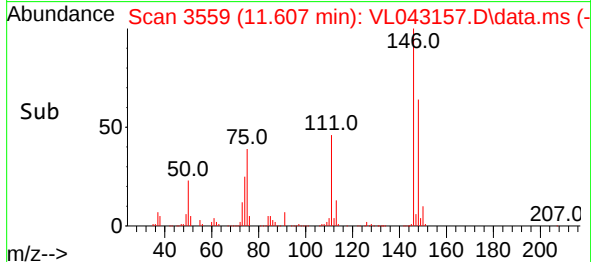
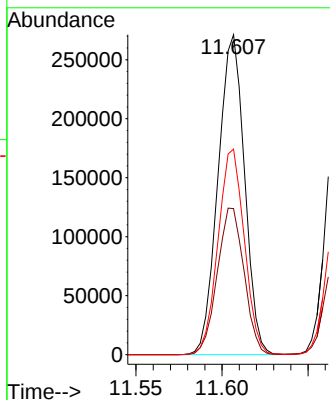
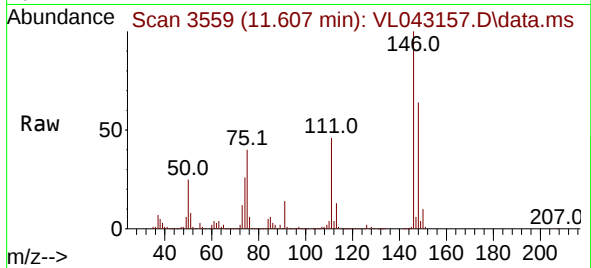




#75
1,3-Dichlorobenzene
Concen: 10.894 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

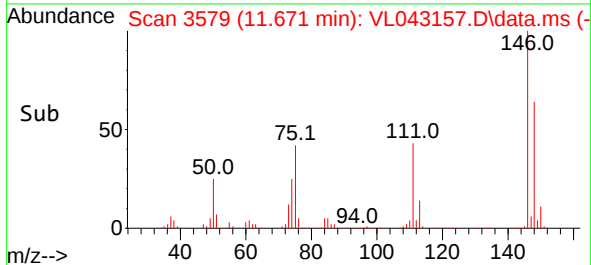
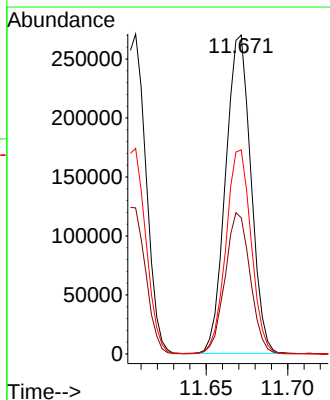
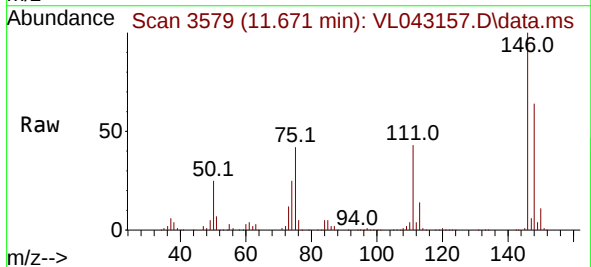
Instrument :
MSVOA_1
ClientSampleId :
VL1106ABS01

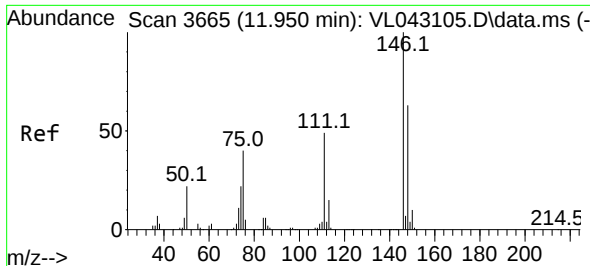
Tgt Ion:146 Resp: 290341
Ion Ratio Lower Upper
146 100
111 46.4 23.3 69.9
148 63.9 31.6 95.0



#76
1,4-Dichlorobenzene
Concen: 10.843 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:146 Resp: 291409
Ion Ratio Lower Upper
146 100
111 44.2 22.4 67.0
148 64.0 31.6 94.7

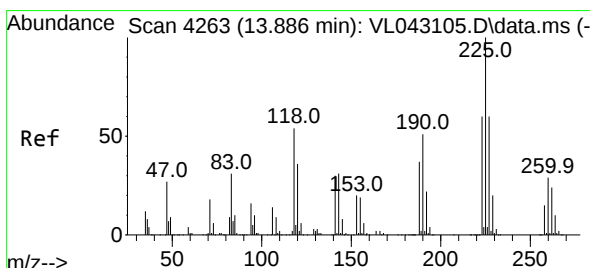
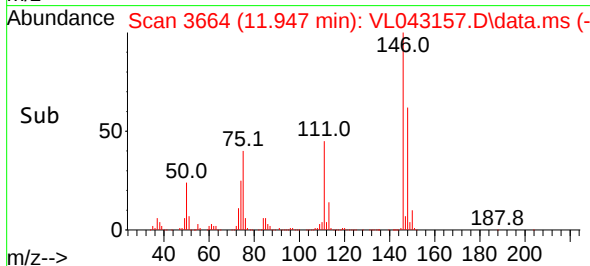
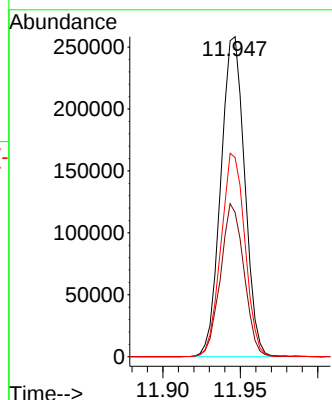
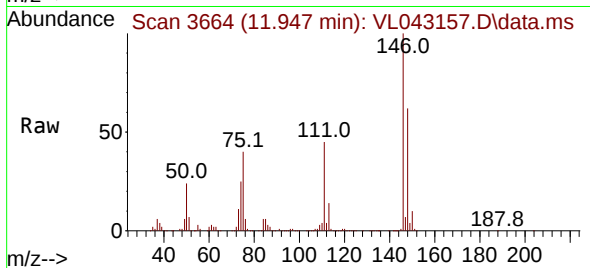




#77
1,2-Dichlorobenzene
Concen: 10.728 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

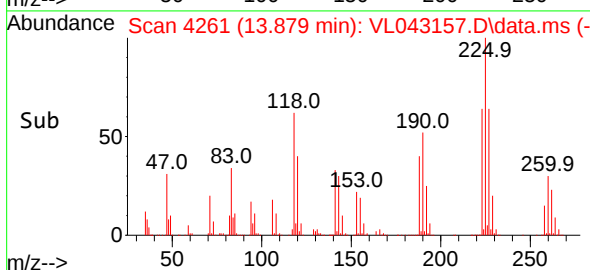
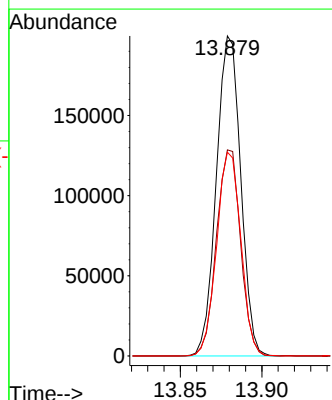
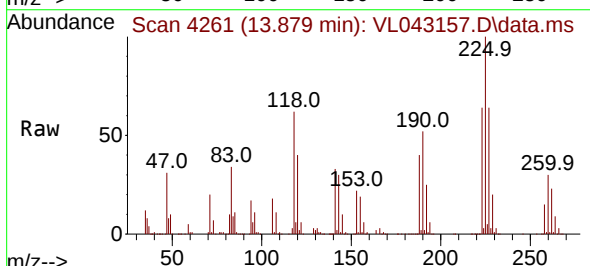
Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

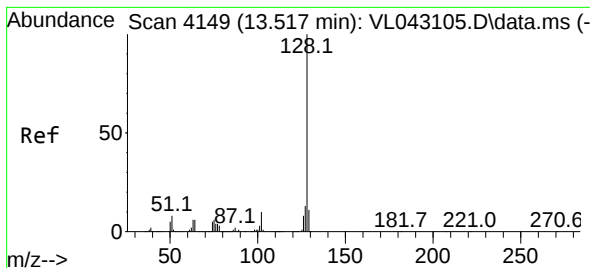
Tgt Ion:146 Resp: 276598
Ion Ratio Lower Upper
146 100
111 47.1 24.0 72.0
148 64.1 31.1 93.3



#78
Hexachloro-1,3-Butadiene
Concen: 10.393 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:225 Resp: 207474
Ion Ratio Lower Upper
225 100
223 63.7 50.2 75.4
227 63.3 49.6 74.4





#79

Naphthalene

Concen: 10.127 ppbv

RT: 13.510 min Scan# 4149

Delta R.T. -0.007 min

Lab File: VL043157.D

Acq: 06 Nov 2025 08:45

Instrument :

MSVOA_1

ClientSampleId :

VL1106ABS01

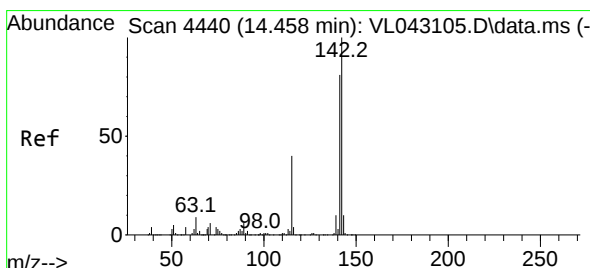
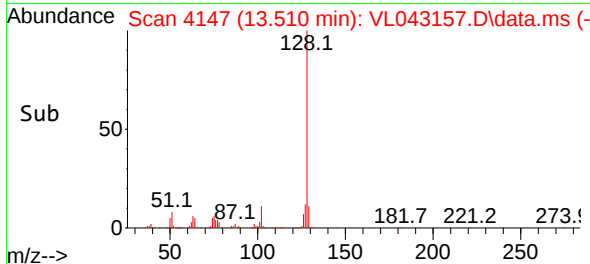
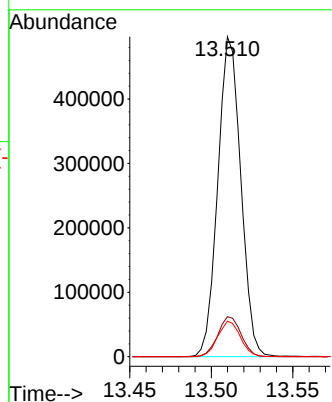
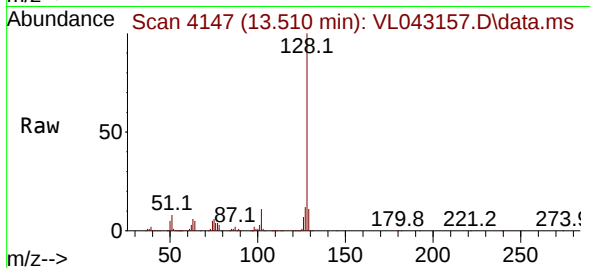
Tgt Ion:128 Resp: 486413

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

129 11.1 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 11.387 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. -0.004 min

Lab File: VL043157.D

Acq: 06 Nov 2025 08:45

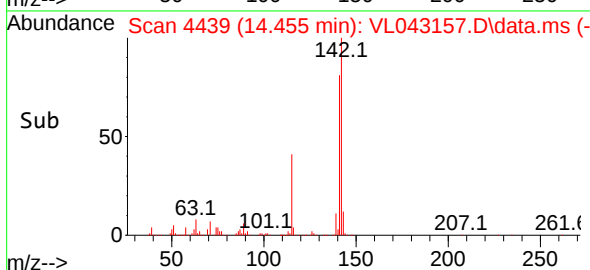
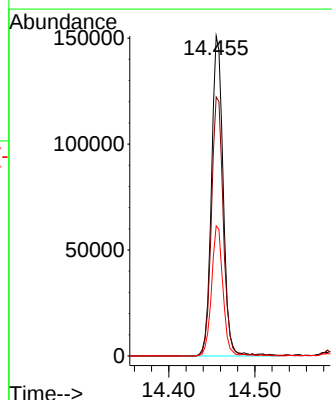
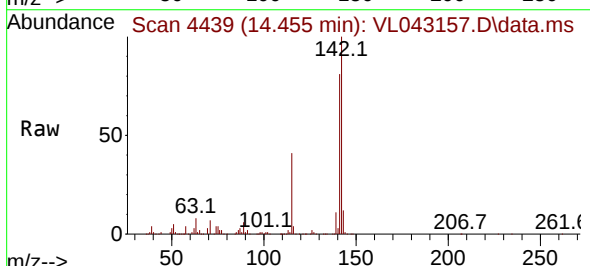
Tgt Ion:142 Resp: 142500

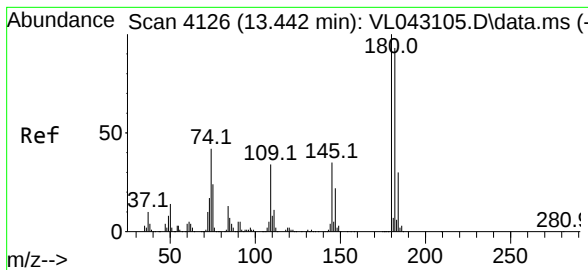
Ion Ratio Lower Upper

142 100

141 83.2 64.6 97.0

115 40.0 30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.849 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL043157.D
 Acq: 06 Nov 2025 08:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1106ABS01

Tgt Ion:180 Resp: 216292
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.5 113.3
 184 29.9 23.9 35.9

