

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043317.D
 Acq On : 08 Dec 2025 17:36
 Operator : SY/MD
 Sample : Q3797-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: Dec 09 00:13:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

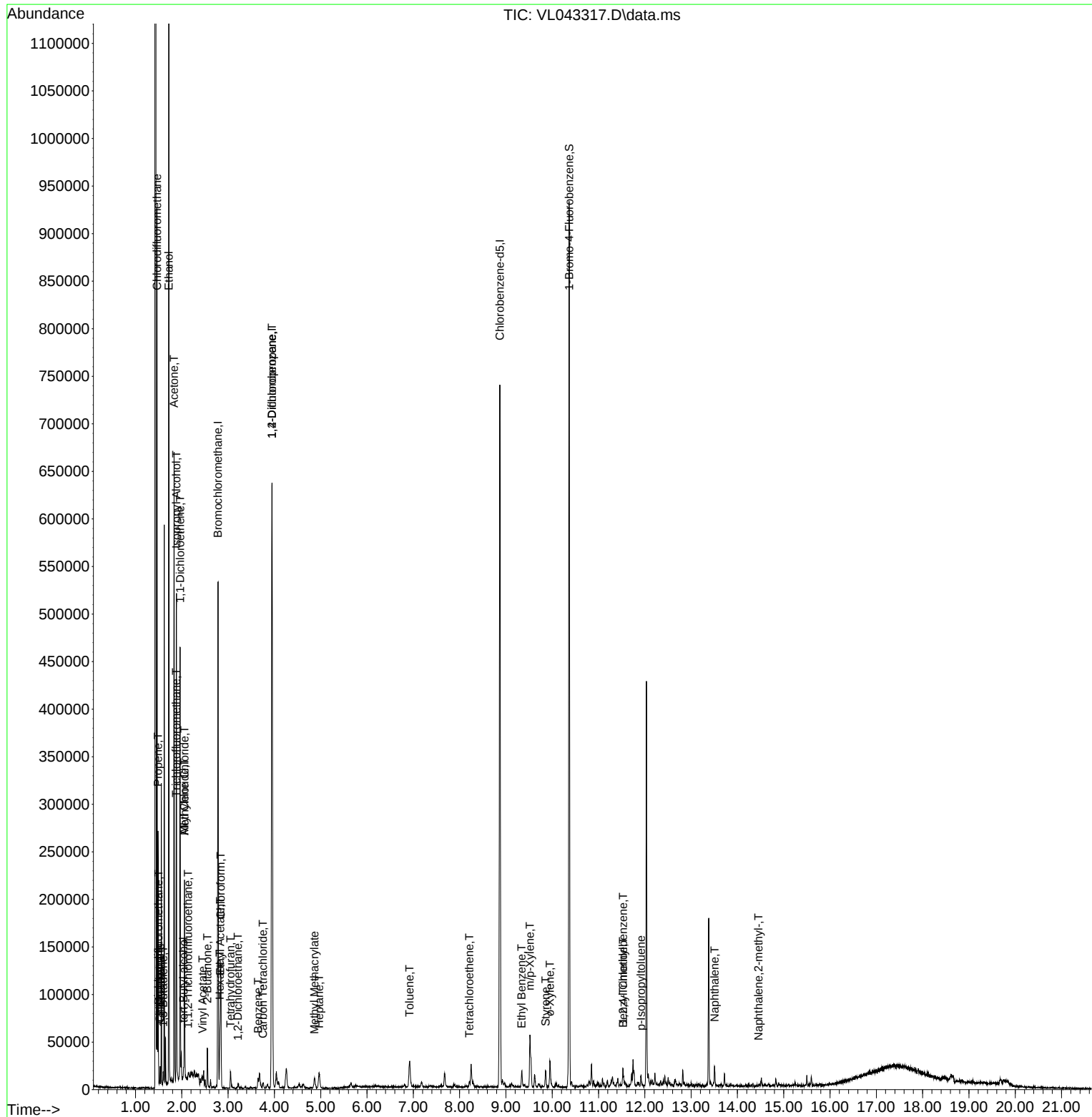
Internal Standards						
1) Bromochloromethane	2.780	49	144001	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	379495	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.868	117	304741	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	225713	10.105	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.495	85	8554	0.421	ppbv	95
3) Chlorodifluoromethane	1.466	51	221693	11.099	ppbv #	60
4) Chloromethane	1.531	50	3692	0.486	ppbv	95
7) Chloroethane	1.528	64	217	0.067	ppbv #	41
9) Propene	1.486	41	18607	2.194	ppbv #	1
10) Heptane	4.965	43	3917	0.155	ppbv #	60
11) Trichlorofluoromethane	1.877	101	4519	0.230	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.136	101	1152	0.075	ppbv	98
13) Ethanol	1.719	45	788201	264.272	ppbv	97
15) Acetone	1.832	43	273197	13.655	ppbv	99
16) 1,3-Butadiene	1.599	39	1363	0.153	ppbv #	12
17) tert-Butyl alcohol	2.039	59	5055	0.192	ppbv	95
18) 1,1-Dichloroethene	1.965	96	990	0.138	ppbv #	1
19) Isopropyl Alcohol	1.884	45	215579	19.069	ppbv	89
20) Methylene Chloride	2.059	84	30349	4.735	ppbv	91
21) Allyl Chloride	2.059	41	1322	0.098	ppbv #	28
23) Vinyl Acetate	2.450	43	4707	0.195	ppbv #	83
25) Ethyl Acetate	2.829	43	24595	0.570	ppbv #	88
26) Hexane	2.819	57	8950	0.473	ppbv #	74
29) Chloroform	2.842	83	48321	1.797	ppbv	92
34) 2-Butanone	2.551	43	25393	0.948	ppbv	97
35) Carbon Tetrachloride	3.751	117	867	0.030	ppbv #	67
36) Benzene	3.648	78	6265	0.172	ppbv #	90
37) 1,2-Dichloroethane	3.211	62	818	0.038	ppbv	97
39) 1,2-Dichloropropane	3.949	63	93665	7.042	ppbv #	23
41) Tetrahydrofuran	3.052	42	5243	0.354	ppbv	96
43) Methyl Methacrylate	4.862	69	1727	0.090	ppbv #	1
52) Tetrachloroethene	8.208	164	542	0.040	ppbv #	72
53) Toluene	6.920	91	11706	0.272	ppbv #	46
58) Ethyl Benzene	9.338	91	9249	0.158	ppbv #	80
59) m/p-Xylene	9.519	91	34647	0.737	ppbv	100
60) o-Xylene	9.950	91	10962	0.233	ppbv	93
61) Styrene	9.859	104	5673	0.276	ppbv	99
66) Benzyl Chloride	11.532	91	764	0.100	ppbv #	65
69) p-Isopropyltoluene	11.917	119	3836	0.043	ppbv #	85
74) 1,2,4-Trimethylbenzene	11.529	105	5265	0.100	ppbv #	54
79) Naphthalene	13.507	128	9541	0.205	ppbv #	94
80) Naphthalene,2-methyl-	14.455	142	579	0.047	ppbv #	61

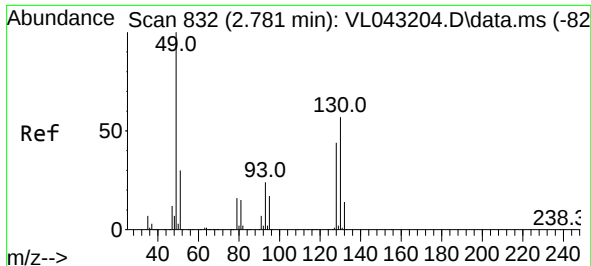
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
Data File : VL043317.D
Acq On : 08 Dec 2025 17:36
Operator : SY/MD
Sample : Q3797-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Dec 09 00:13:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

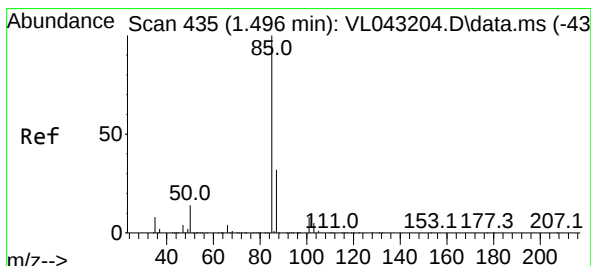
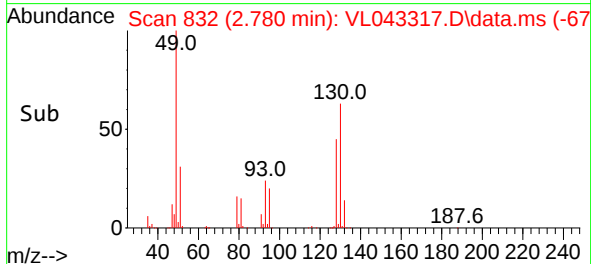
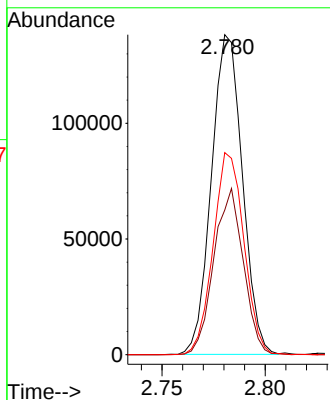
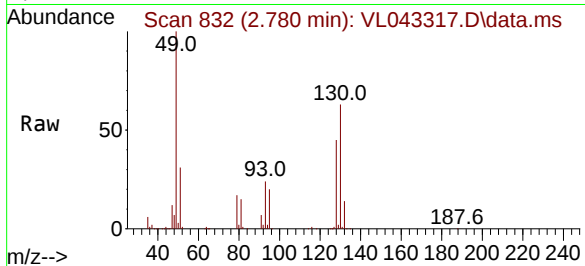




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 832
Delta R.T. -0.001 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

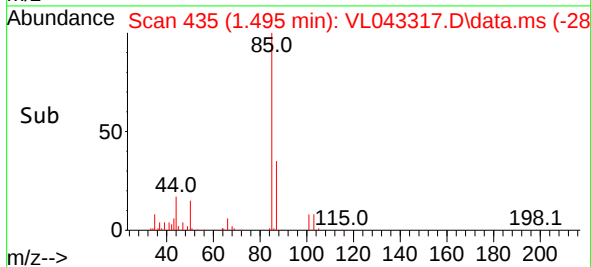
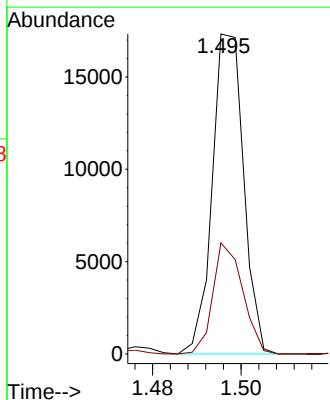
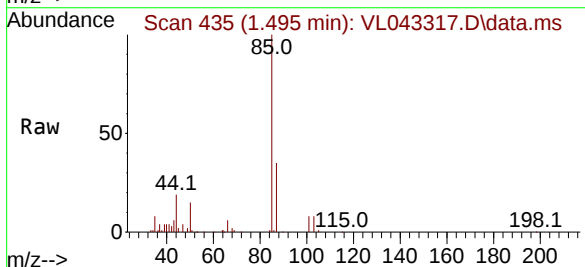
Instrument :
MSVOA_L
ClientSampleId :
IA1

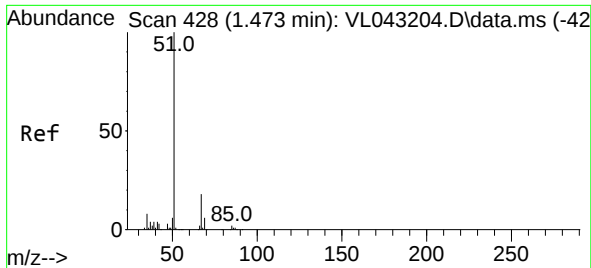
Tgt Ion: 49 Resp: 144001
Ion Ratio Lower Upper
49 100
128 49.6 23.0 69.0
130 62.8 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 0.421 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

Tgt Ion: 85 Resp: 8554
Ion Ratio Lower Upper
85 100
87 34.7 25.4 38.2





#3

Chlorodifluoromethane

Concen: 11.099 ppbv

RT: 1.466 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL043317.D

Acq: 08 Dec 2025 17:36

Instrument :

MSVOA_1

ClientSampleId :

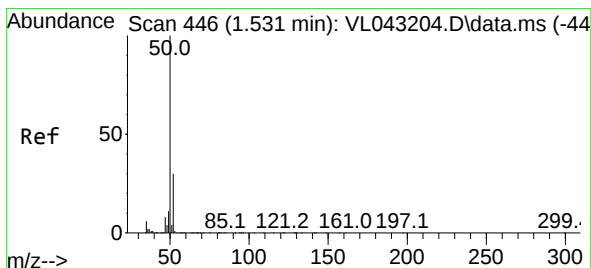
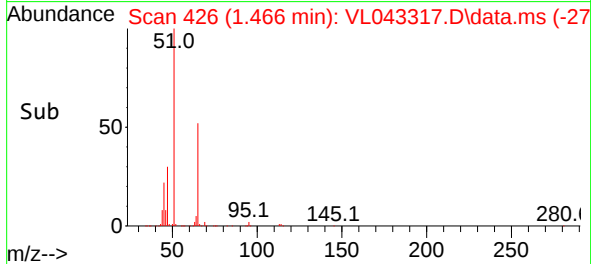
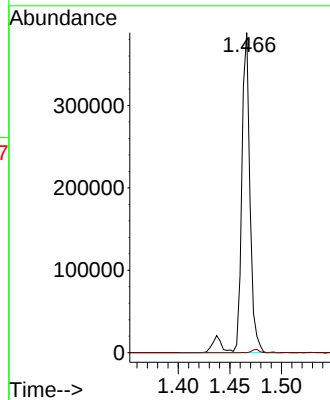
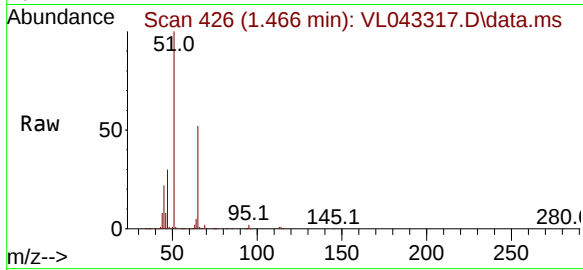
IA1

Tgt Ion: 51 Resp: 221693

Ion Ratio Lower Upper

51 100

67 0.9 14.9 22.3#



#4

Chloromethane

Concen: 0.486 ppbv

RT: 1.531 min Scan# 446

Delta R.T. -0.000 min

Lab File: VL043317.D

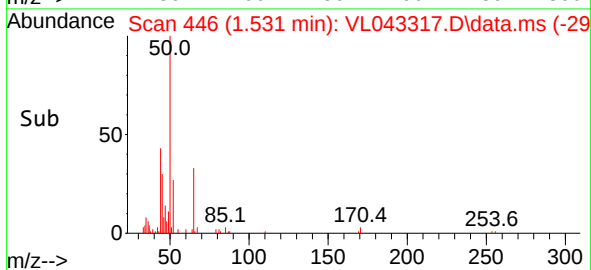
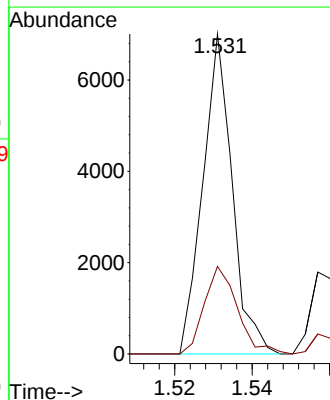
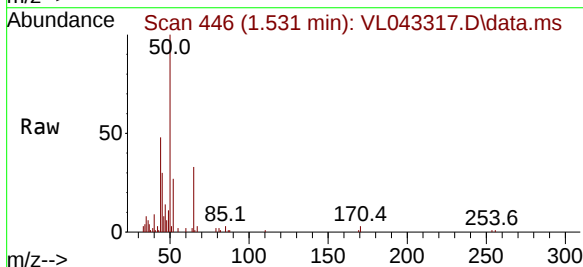
Acq: 08 Dec 2025 17:36

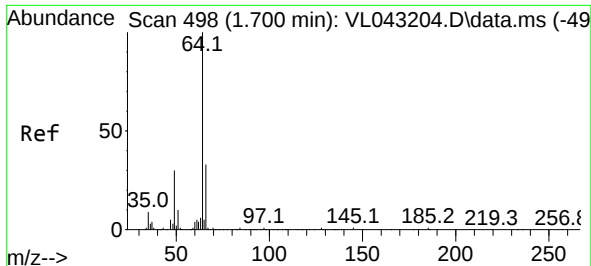
Tgt Ion: 50 Resp: 3692

Ion Ratio Lower Upper

50 100

52 27.3 24.1 36.1

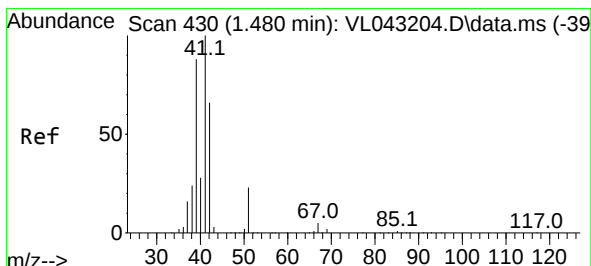
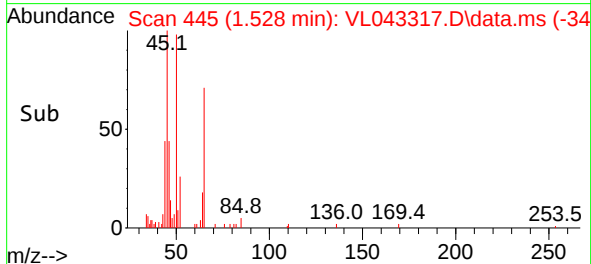
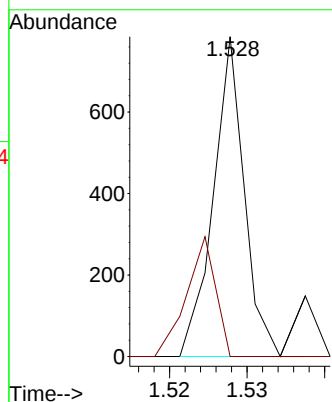
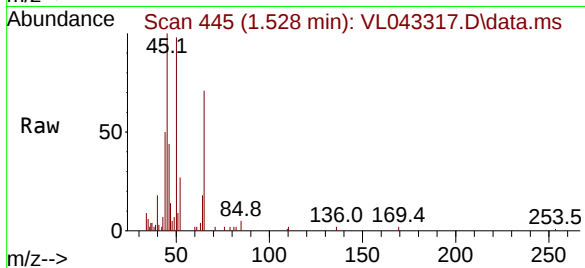




#7
Chloroethane
Concen: 0.067 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.172 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

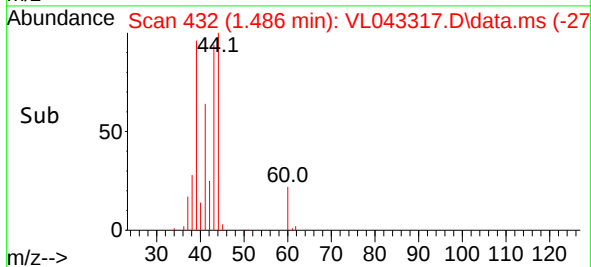
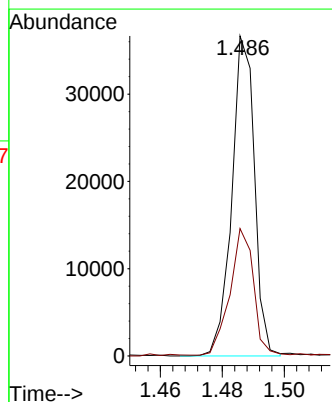
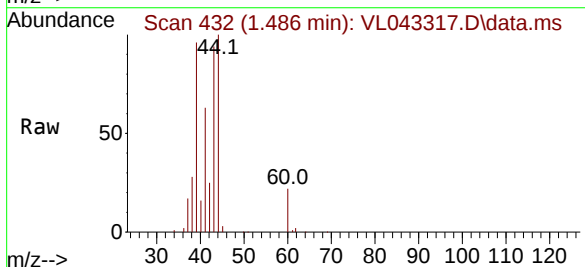
Instrument :
MSVOA_L
ClientSampleId :
IA1

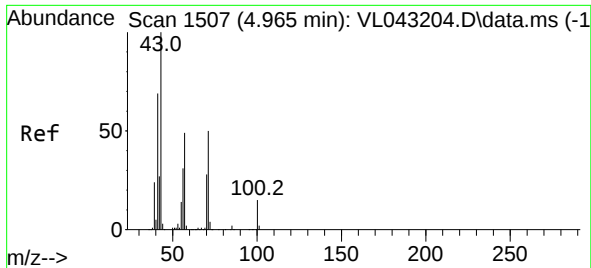
Tgt Ion: 64 Resp: 217
Ion Ratio Lower Upper
64 100
66 0.0 26.8 40.2#



#9
Propene
Concen: 2.194 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.006 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

Tgt Ion: 41 Resp: 18607
Ion Ratio Lower Upper
41 100
42 46.4 3.7 5.5#





#10

Heptane

Concen: 0.155 ppbv

RT: 4.965 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL043317.D

Acq: 08 Dec 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

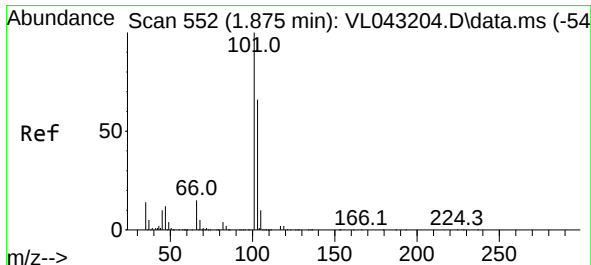
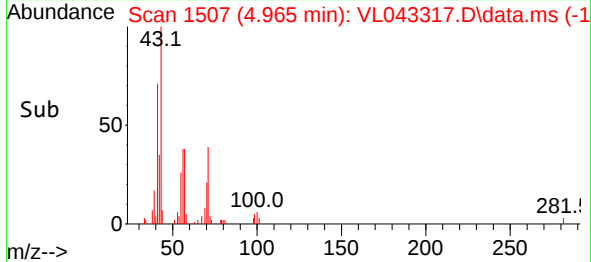
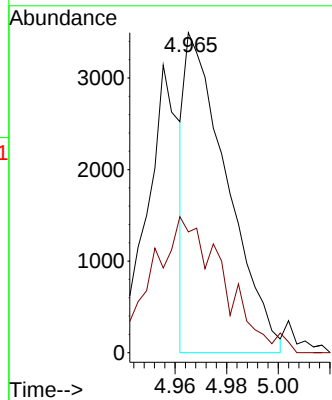
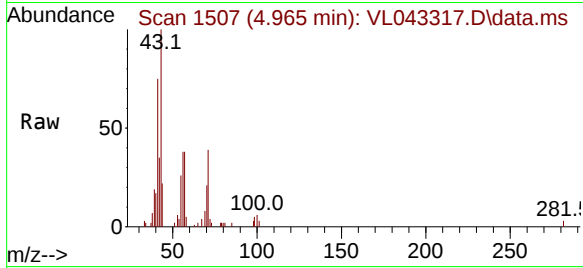
IA1

Tgt Ion: 43 Resp: 3917

Ion Ratio Lower Upper

43 100

57 76.8 39.7 59.5#



#11

Trichlorofluoromethane

Concen: 0.230 ppbv

RT: 1.877 min Scan# 553

Delta R.T. 0.003 min

Lab File: VL043317.D

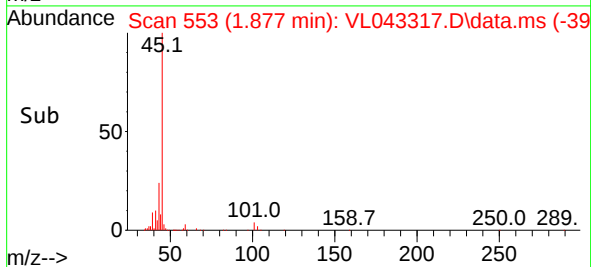
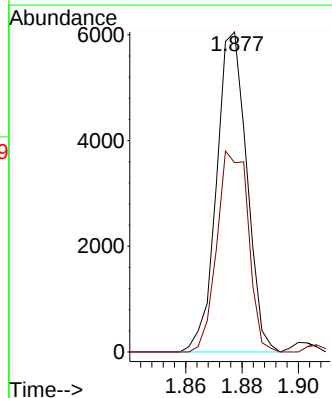
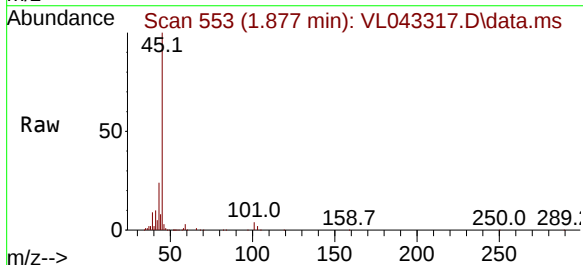
Acq: 08 Dec 2025 17:36

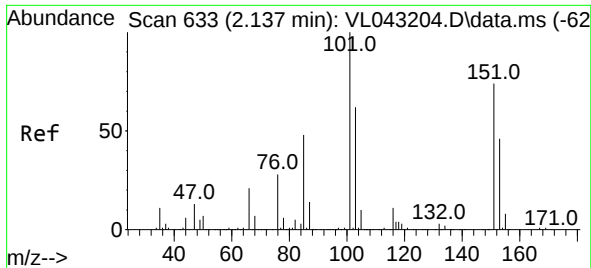
Tgt Ion:101 Resp: 4519

Ion Ratio Lower Upper

101 100

103 59.2 52.6 79.0

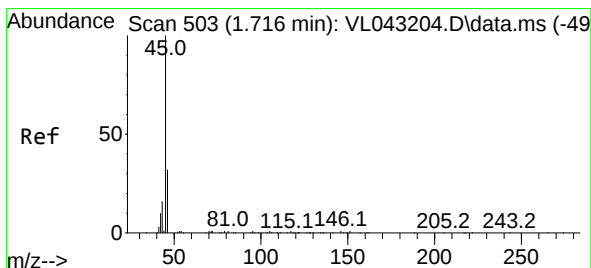
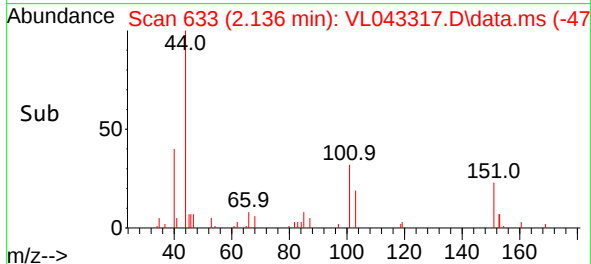
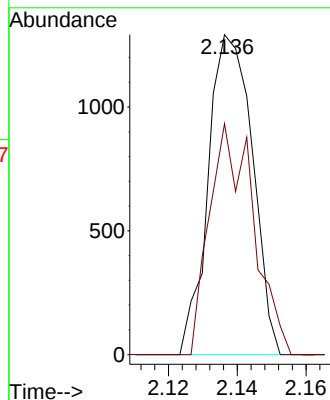
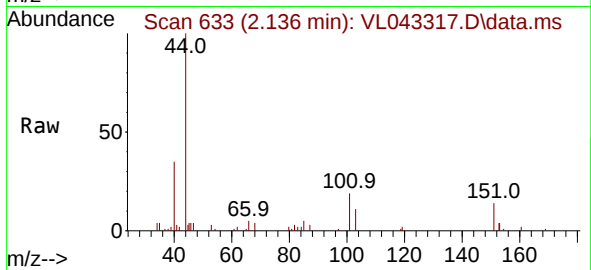




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.075 ppbv
 RT: 2.136 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043317.D
 Acq: 08 Dec 2025 17:36

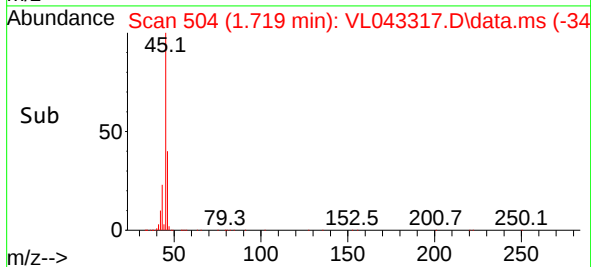
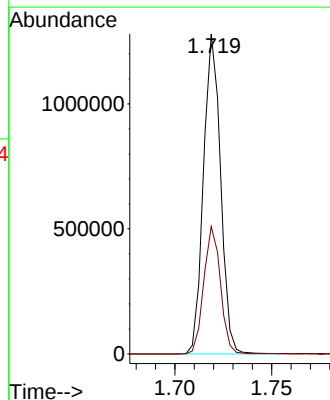
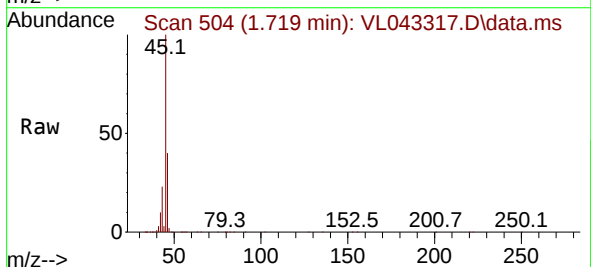
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

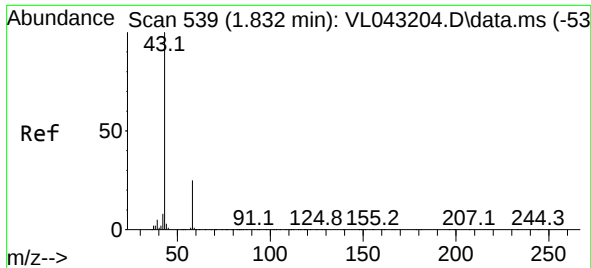
Tgt Ion:101 Resp: 1152
 Ion Ratio Lower Upper
 101 100
 151 72.0 59.2 88.8



#13
 Ethanol
 Concen: 264.272 ppbv
 RT: 1.719 min Scan# 504
 Delta R.T. 0.003 min
 Lab File: VL043317.D
 Acq: 08 Dec 2025 17:36

Tgt Ion: 45 Resp: 788201
 Ion Ratio Lower Upper
 45 100
 46 39.0 15.0 59.8

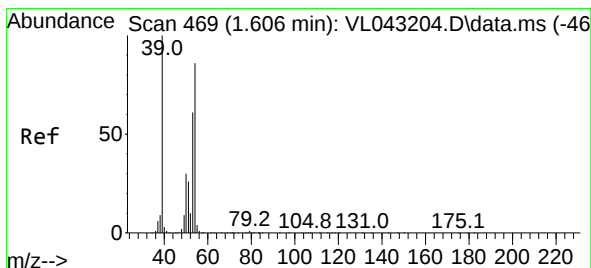
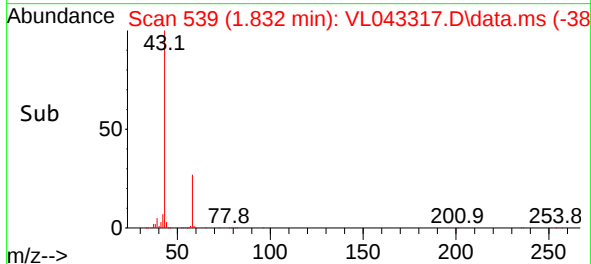
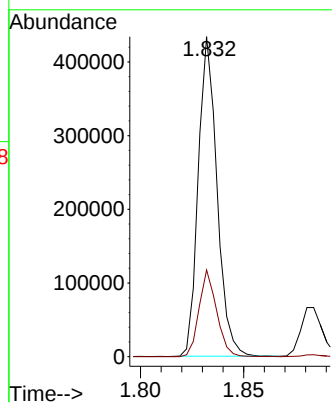
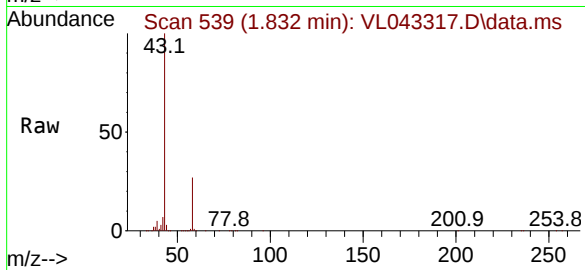




#15
Acetone
Concen: 13.655 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

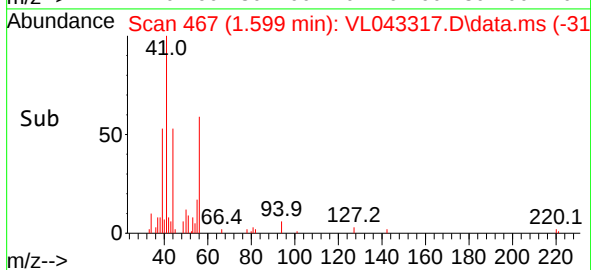
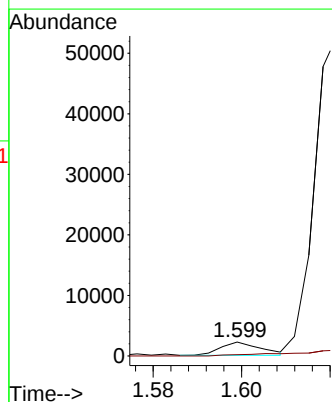
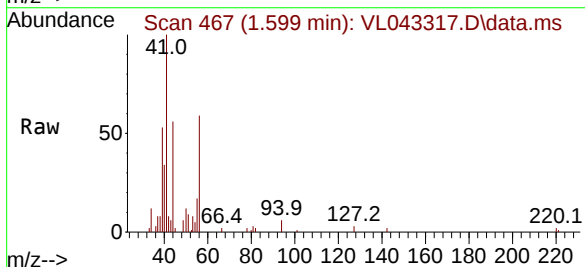
Instrument :
MSVOA_L
ClientSampleId :
IA1

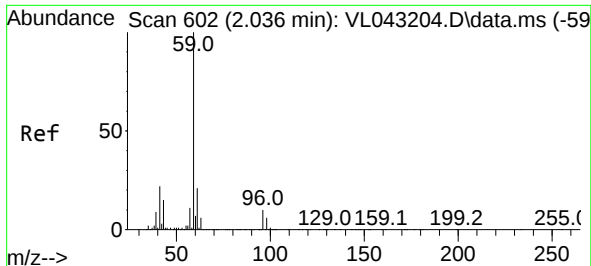
Tgt Ion: 43 Resp: 273197
Ion Ratio Lower Upper
43 100
58 25.5 20.7 31.1



#16
1,3-Butadiene
Concen: 0.153 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.007 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

Tgt Ion: 39 Resp: 1363
Ion Ratio Lower Upper
39 100
54 0.0 59.4 89.2#





#17

tert-Butyl alcohol

Concen: 0.192 ppbv

RT: 2.039 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL043317.D

Acq: 08 Dec 2025 17:36

Instrument :

MSVOA_1

ClientSampleId :

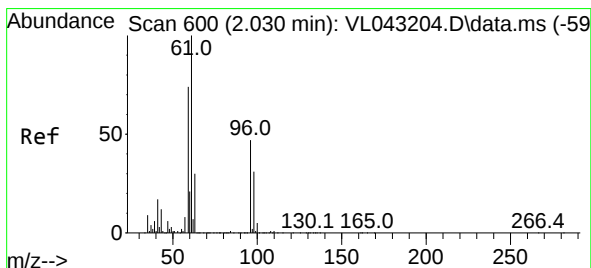
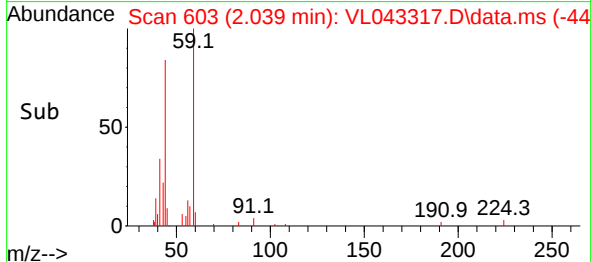
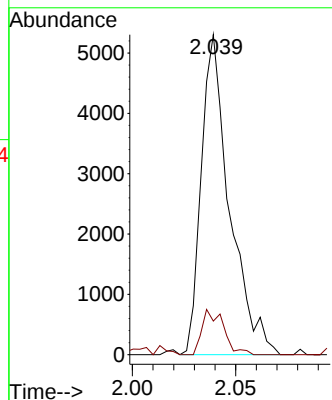
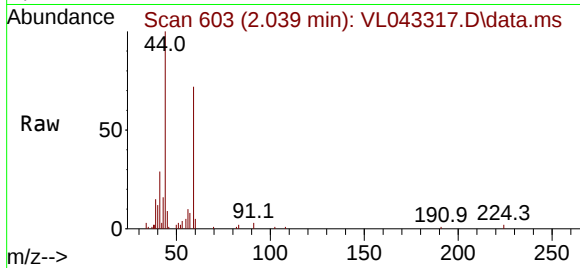
IA1

Tgt Ion: 59 Resp: 5055

Ion Ratio Lower Upper

59 100

57 13.2 9.0 13.4



#18

1,1-Dichloroethene

Concen: 0.138 ppbv

RT: 1.965 min Scan# 580

Delta R.T. -0.065 min

Lab File: VL043317.D

Acq: 08 Dec 2025 17:36

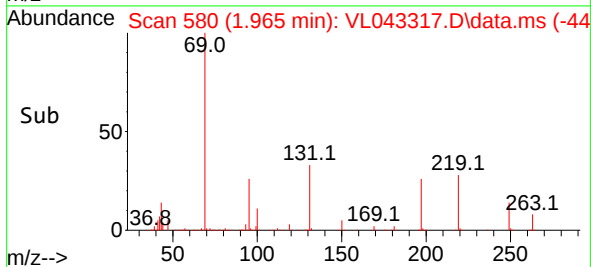
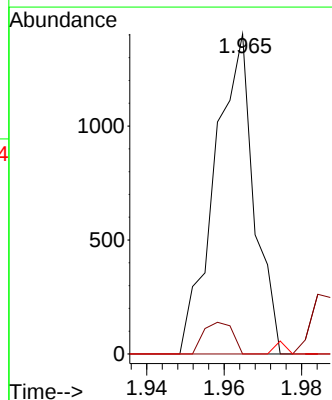
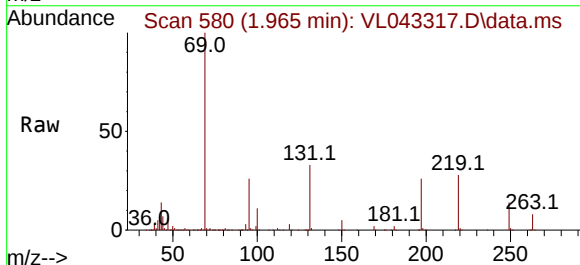
Tgt Ion: 96 Resp: 990

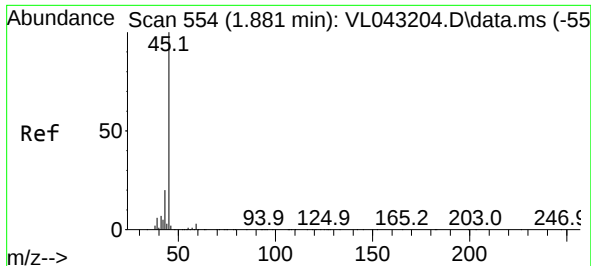
Ion Ratio Lower Upper

96 100

61 0.0 170.6 255.8#

98 0.0 52.2 78.4#

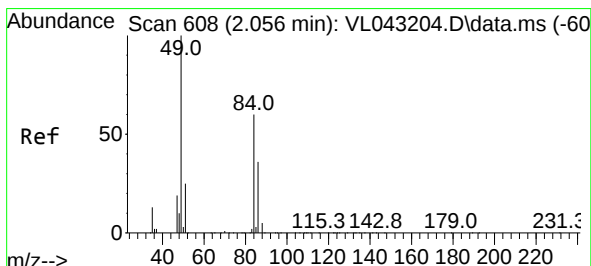
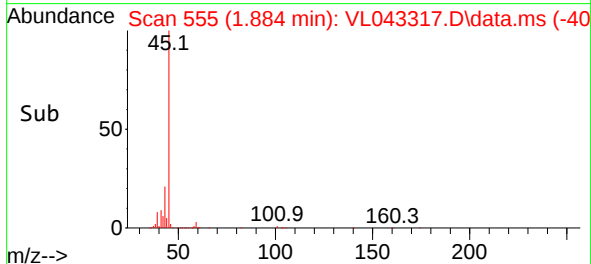
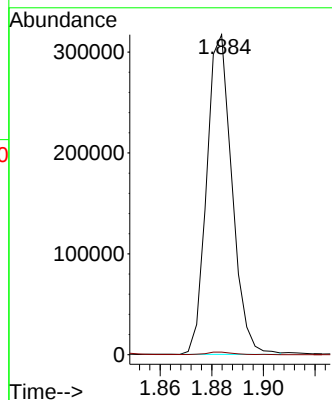
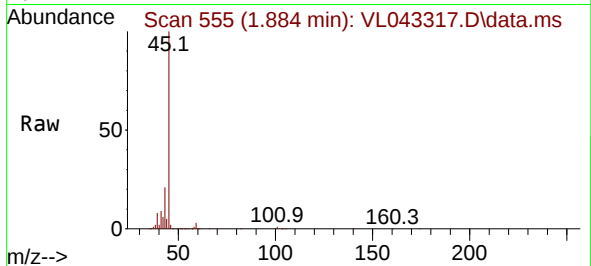




#19
Isopropyl Alcohol
Concen: 19.069 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

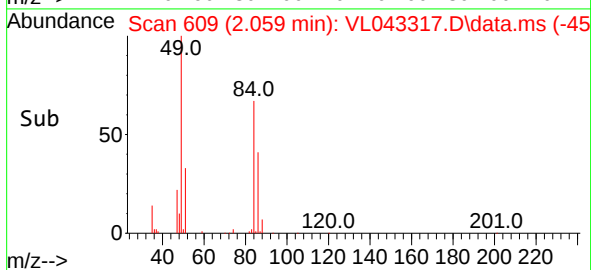
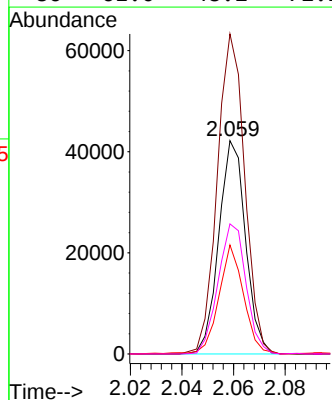
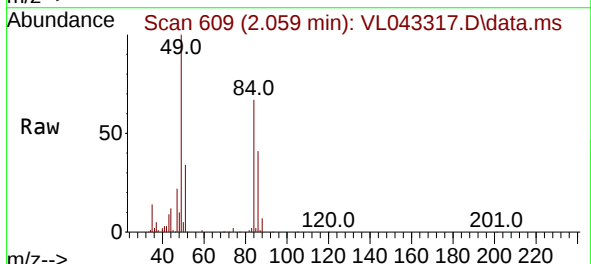
Instrument :
MSVOA_L
ClientSampleId :
IA1

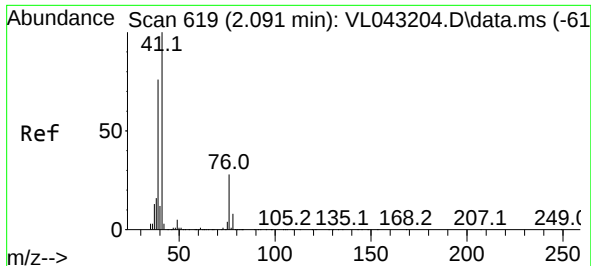
Tgt Ion: 45 Resp: 215579
Ion Ratio Lower Upper
45 100
58 32.4 31.3 46.9



#20
Methylene Chloride
Concen: 4.735 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

Tgt Ion: 84 Resp: 30349
Ion Ratio Lower Upper
84 100
49 150.1 132.9 199.3
51 51.1 34.8 52.2
86 61.0 48.2 72.2

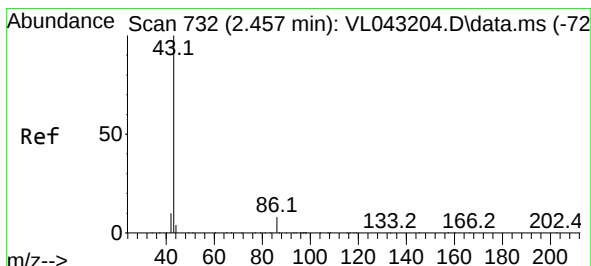
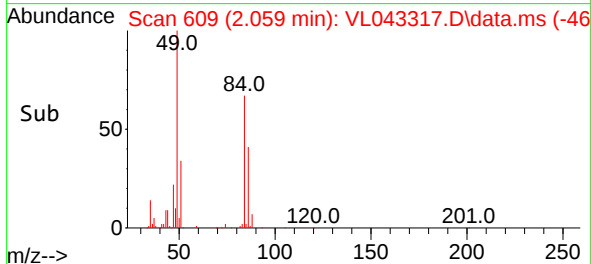
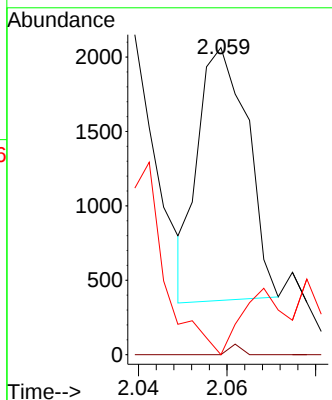
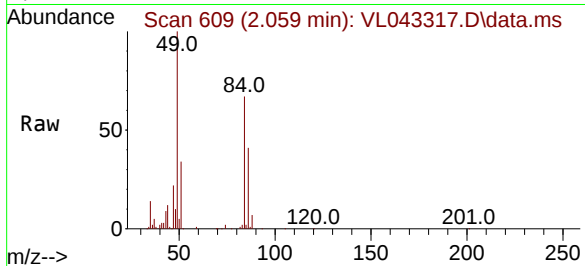




#21
 Allyl Chloride
 Concen: 0.098 ppbv
 RT: 2.059 min Scan# 619
 Delta R.T. -0.033 min
 Lab File: VL043317.D
 Acq: 08 Dec 2025 17:36

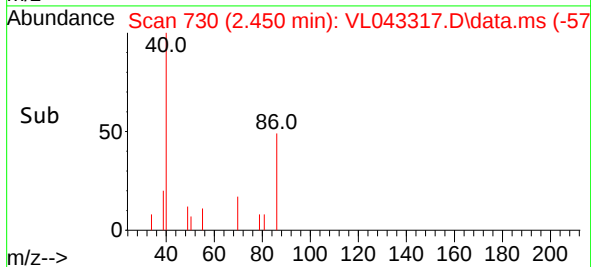
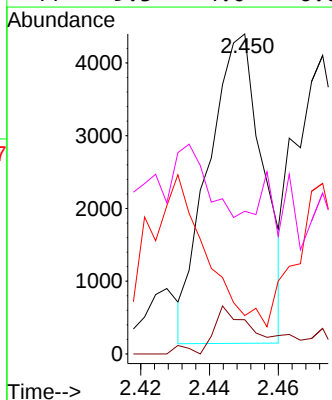
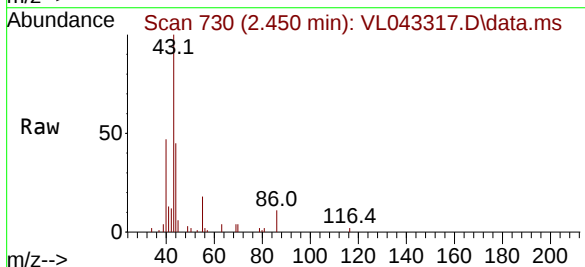
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

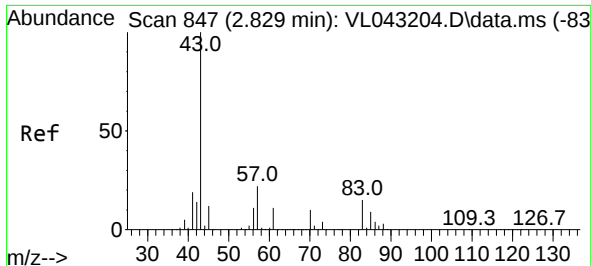
Tgt Ion: 41 Resp: 1322
 Ion Ratio Lower Upper
 41 100
 76 41.8 22.1 33.1#
 39 0.0 61.0 91.4#



#23
 Vinyl Acetate
 Concen: 0.195 ppbv
 RT: 2.450 min Scan# 730
 Delta R.T. -0.007 min
 Lab File: VL043317.D
 Acq: 08 Dec 2025 17:36

Tgt Ion: 43 Resp: 4707
 Ion Ratio Lower Upper
 43 100
 86 9.6 6.2 9.2#
 42 0.0 8.0 12.0#
 44 9.3 4.0 6.0#





#25

Ethyl Acetate

Concen: 0.570 ppbv

RT: 2.829 min Scan# 847

Delta R.T. -0.000 min

Lab File: VL043317.D

Acq: 08 Dec 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 43 Resp: 24595

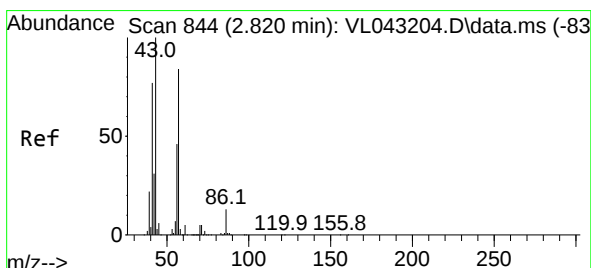
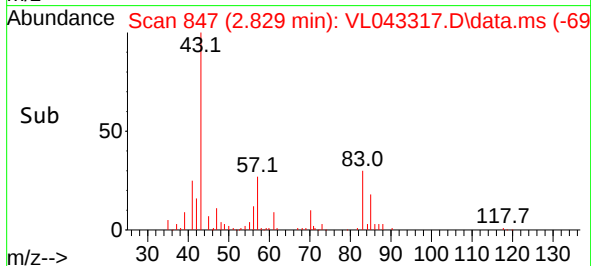
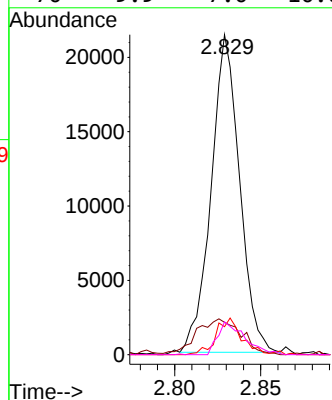
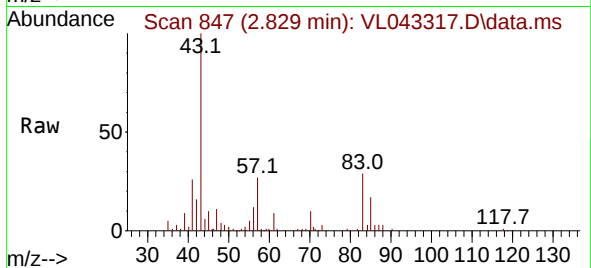
Ion Ratio Lower Upper

43 100

45 19.6 8.1 12.1#

61 10.7 7.0 10.4#

70 9.9 7.0 10.6



#26

Hexane

Concen: 0.473 ppbv

RT: 2.819 min Scan# 844

Delta R.T. -0.000 min

Lab File: VL043317.D

Acq: 08 Dec 2025 17:36

Tgt Ion: 57 Resp: 8950

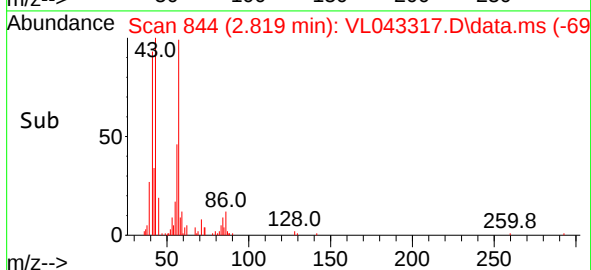
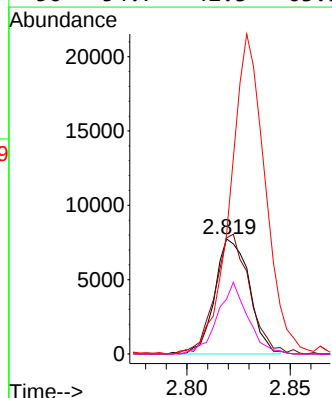
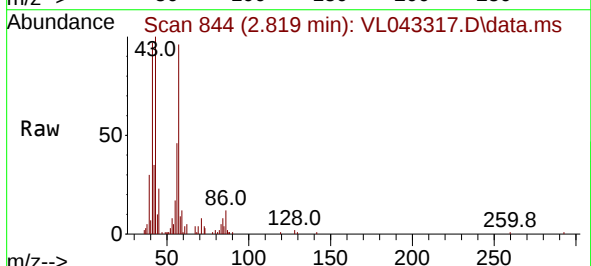
Ion Ratio Lower Upper

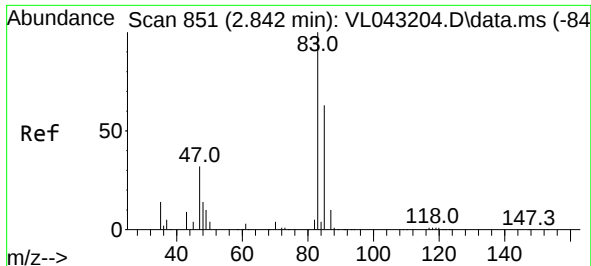
57 100

41 105.5 74.6 111.8

43 284.1 179.0 268.4#

56 54.7 42.3 63.5

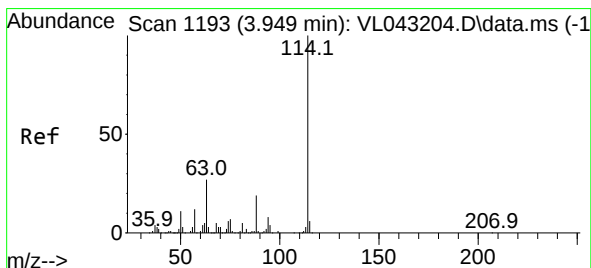
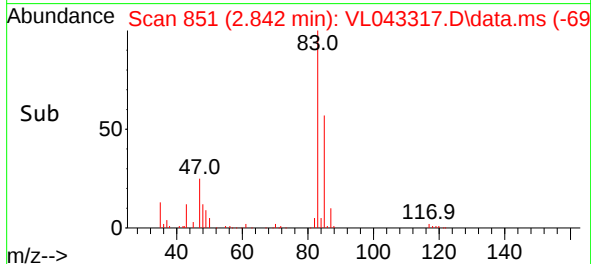
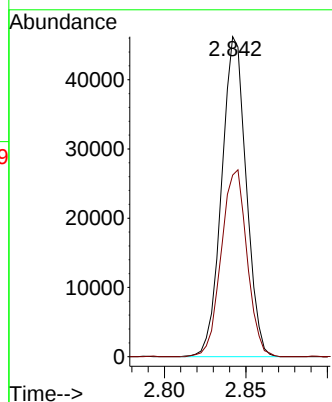
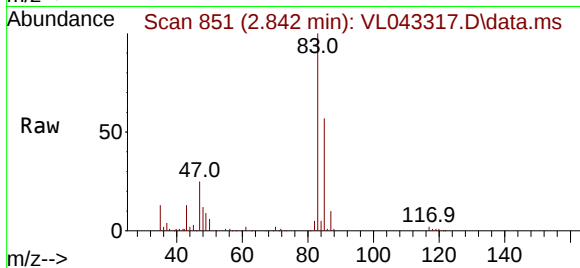




#29
Chloroform
Concen: 1.797 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.000 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

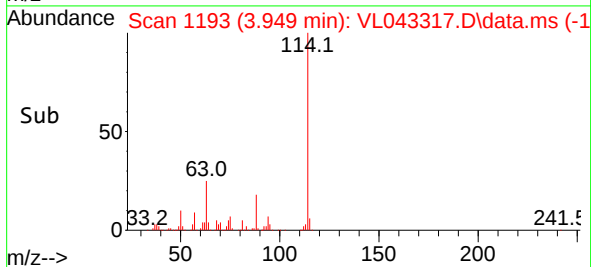
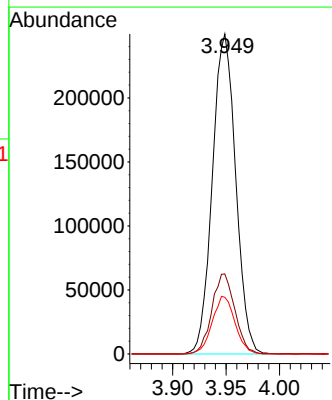
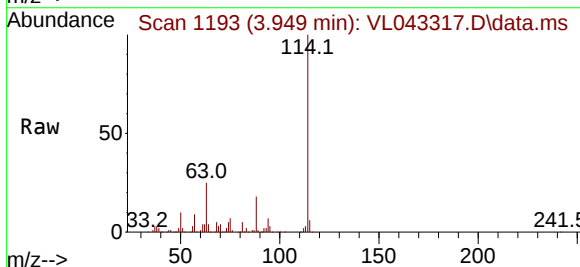
Instrument :
MSVOA_L
ClientSampleId :
IA1

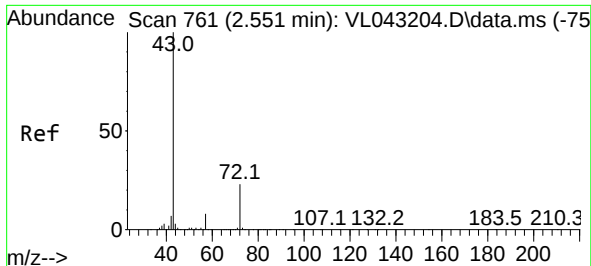
Tgt Ion: 83 Resp: 48321
Ion Ratio Lower Upper
83 100
85 56.8 50.5 75.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

Tgt Ion: 114 Resp: 379495
Ion Ratio Lower Upper
114 100
63 24.7 21.0 31.6
88 17.6 14.9 22.3

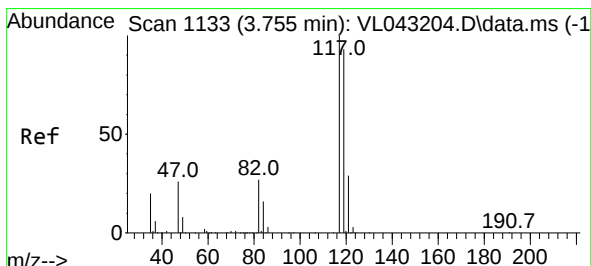
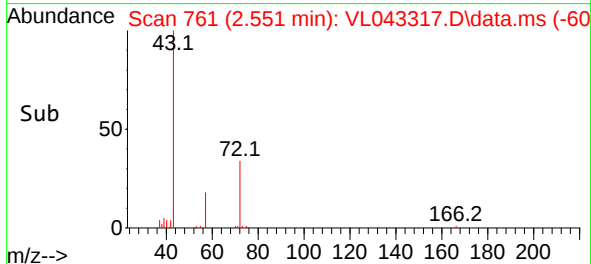
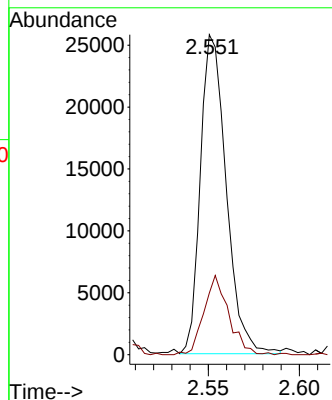
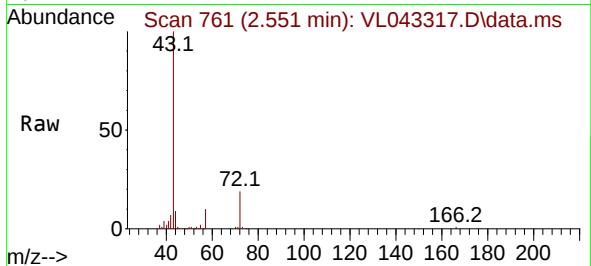




#34
2-Butanone
Concen: 0.948 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

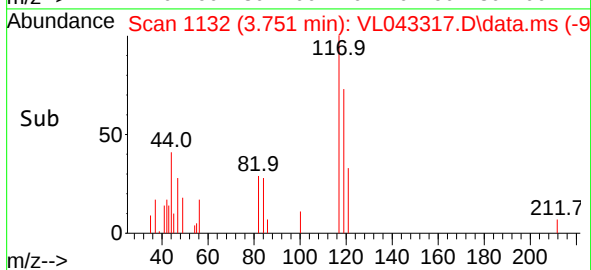
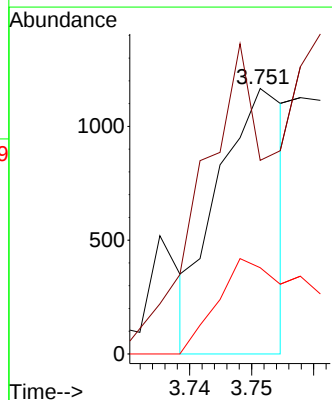
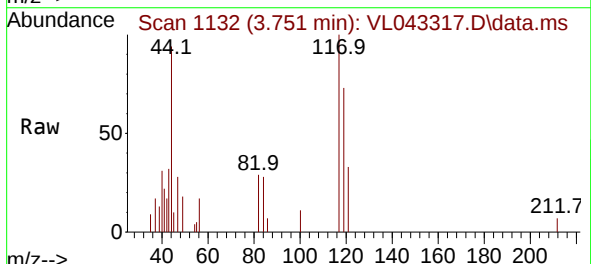
Instrument :
MSVOA_L
ClientSampleId :
IA1

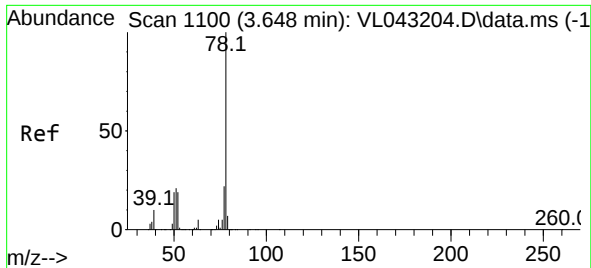
Tgt Ion: 43 Resp: 25393
Ion Ratio Lower Upper
43 100
72 24.0 18.1 27.1



#35
Carbon Tetrachloride
Concen: 0.030 ppbv
RT: 3.751 min Scan# 1132
Delta R.T. -0.004 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

Tgt Ion: 117 Resp: 867
Ion Ratio Lower Upper
117 100
119 61.6 74.6 112.0#
121 46.5 23.2 34.8#

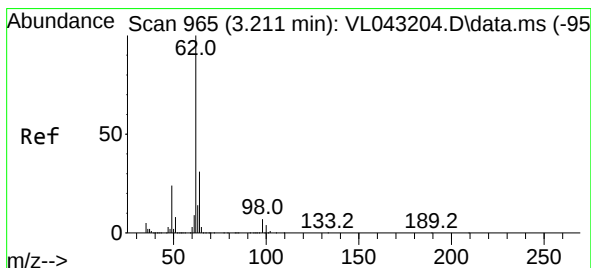
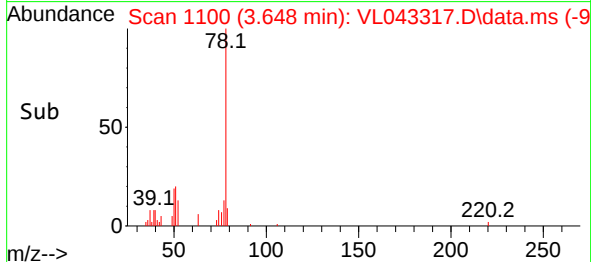
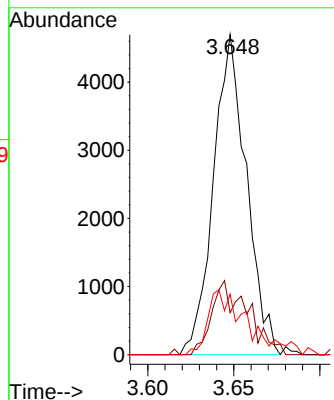
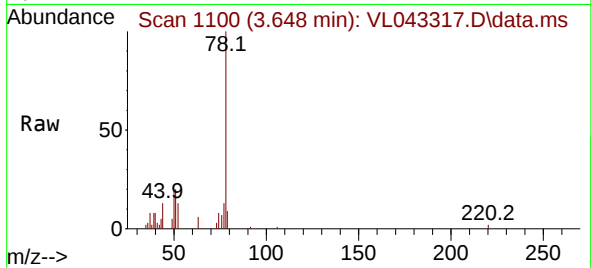




#36
Benzene
Concen: 0.172 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

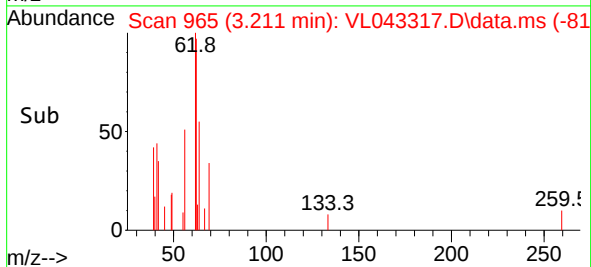
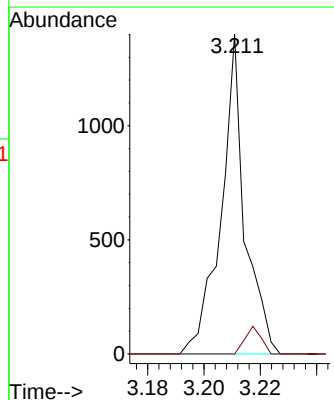
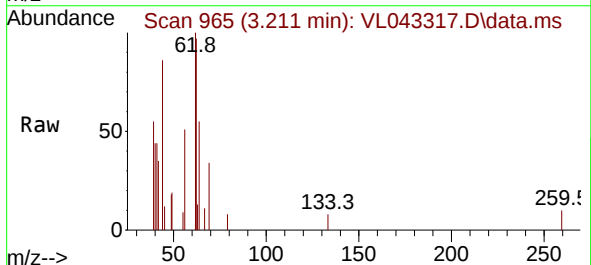
Instrument :
MSVOA_L
ClientSampleId :
IA1

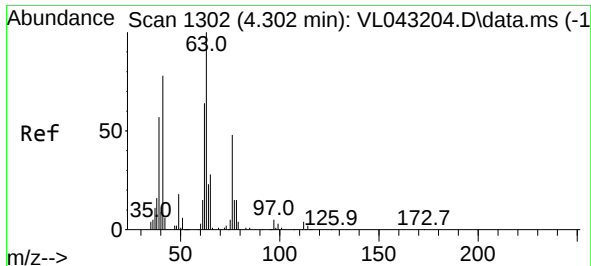
Tgt Ion: 78 Resp: 6265
Ion Ratio Lower Upper
78 100
77 13.1 17.5 26.3#
50 18.8 15.5 23.3



#37
1,2-Dichloroethane
Concen: 0.038 ppbv
RT: 3.211 min Scan# 965
Delta R.T. -0.000 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

Tgt Ion: 62 Resp: 818
Ion Ratio Lower Upper
62 100
98 5.9 5.5 8.3





#39

1,2-Dichloropropane

Concen: 7.042 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.353 min

Lab File: VL043317.D

Acq: 08 Dec 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

IA1

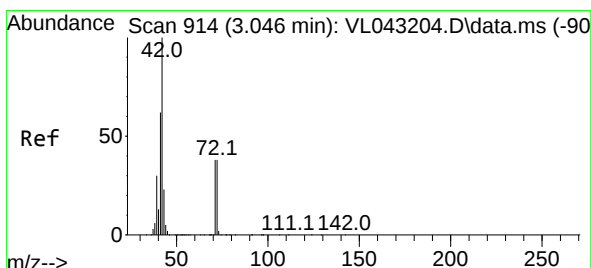
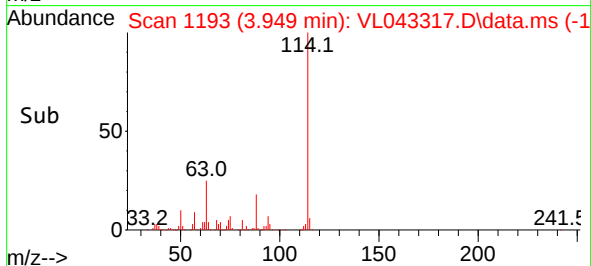
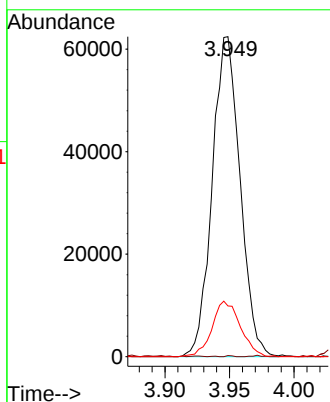
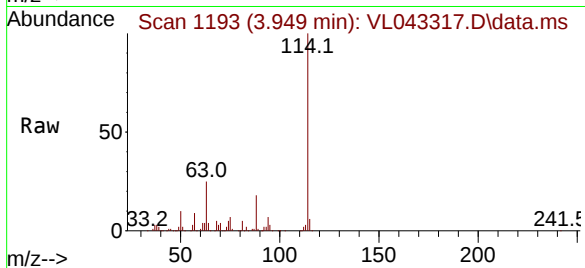
Tgt Ion: 63 Resp: 93665

Ion Ratio Lower Upper

63 100

41 0.3 62.6 93.8#

62 15.8 51.0 76.6#



#41

Tetrahydrofuran

Concen: 0.354 ppbv

RT: 3.052 min Scan# 916

Delta R.T. 0.006 min

Lab File: VL043317.D

Acq: 08 Dec 2025 17:36

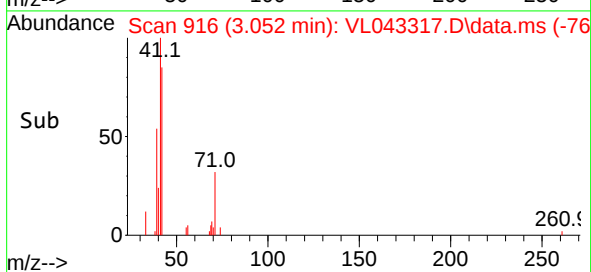
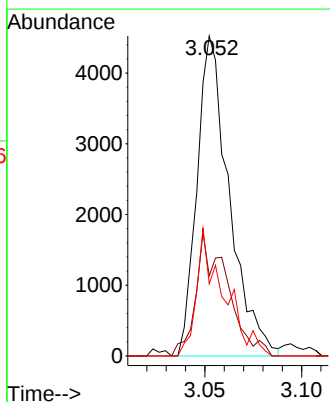
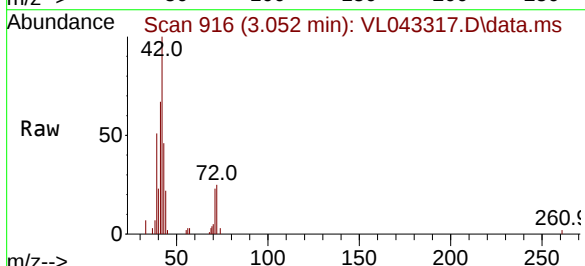
Tgt Ion: 42 Resp: 5243

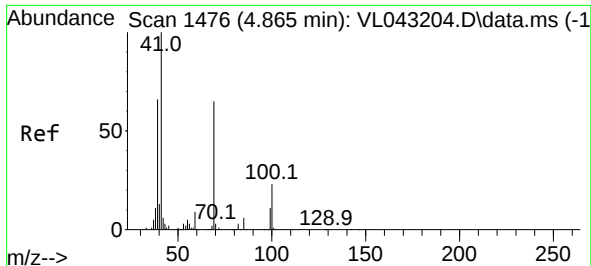
Ion Ratio Lower Upper

42 100

72 37.7 30.6 46.0

71 33.7 30.5 45.7

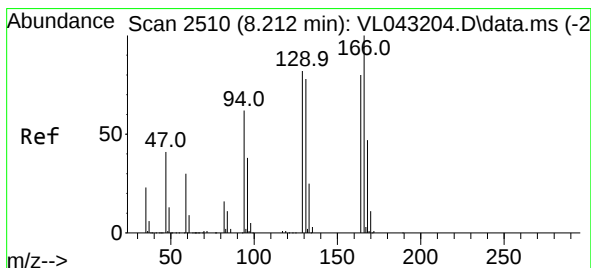
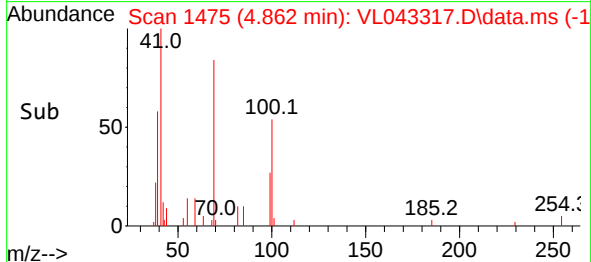
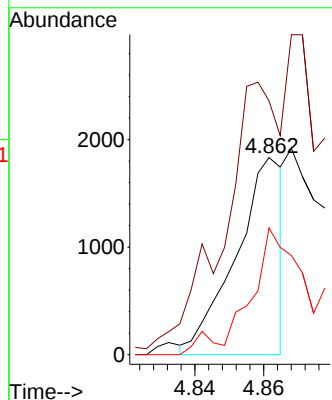
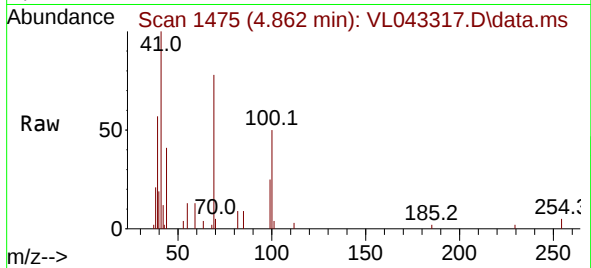




#43
Methyl Methacrylate
Concen: 0.090 ppbv
RT: 4.862 min Scan# 1476
Delta R.T. -0.004 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

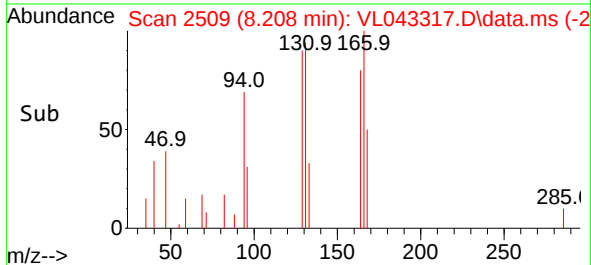
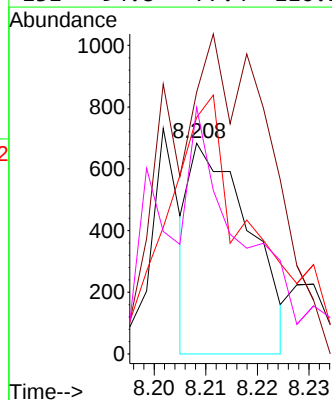
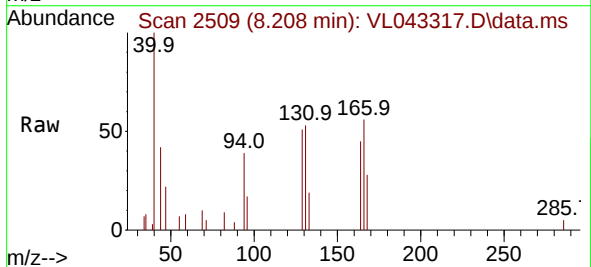
Instrument :
MSVOA_L
ClientSampleId :
IA1

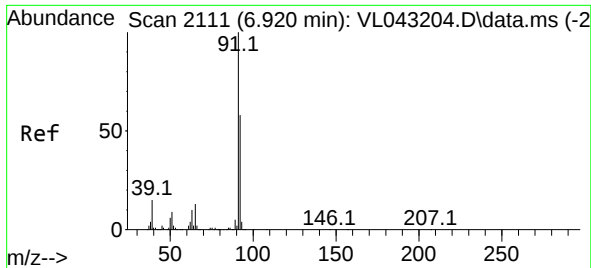
Tgt Ion: 69 Resp: 1727
Ion Ratio Lower Upper
69 100
41 0.0 126.7 190.1#
100 88.8 28.6 43.0#



#52
Tetrachloroethene
Concen: 0.040 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. -0.004 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

Tgt Ion:164 Resp: 542
Ion Ratio Lower Upper
164 100
166 54.3 99.4 149.2#
129 90.4 81.8 122.8
131 94.8 77.4 116.2

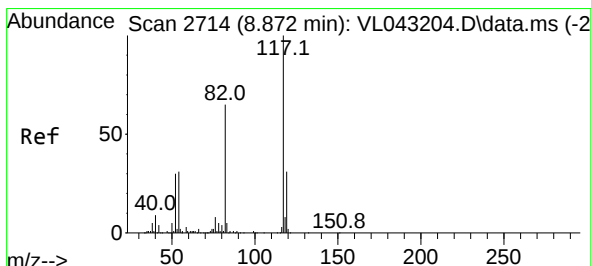
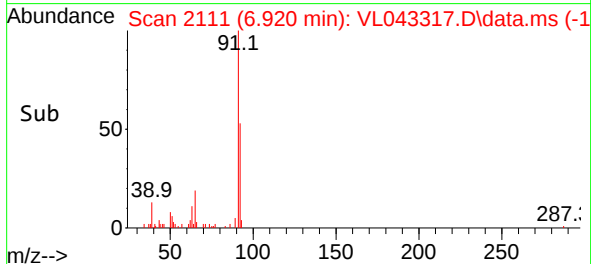
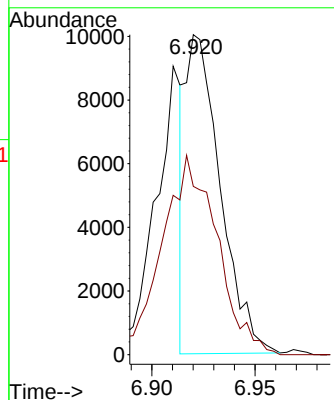
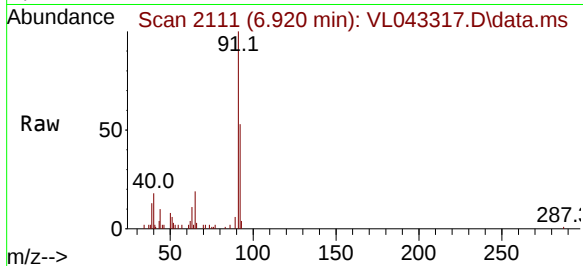




#53
Toluene
Concen: 0.272 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

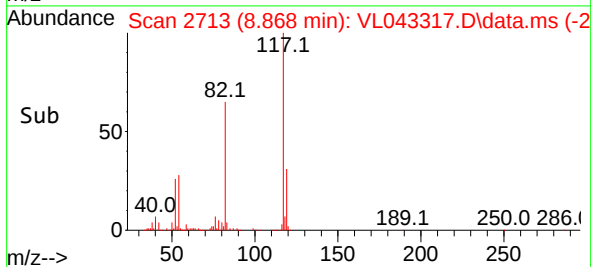
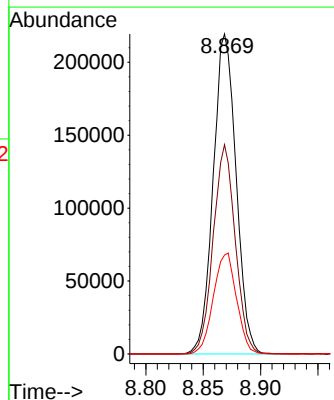
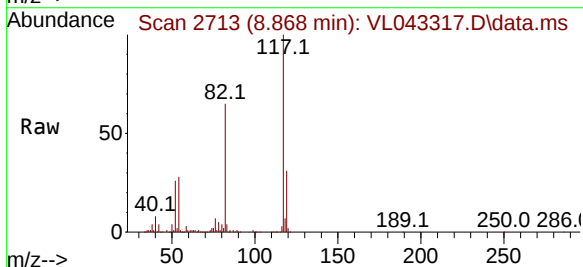
Instrument :
MSVOA_L
ClientSampleId :
IA1

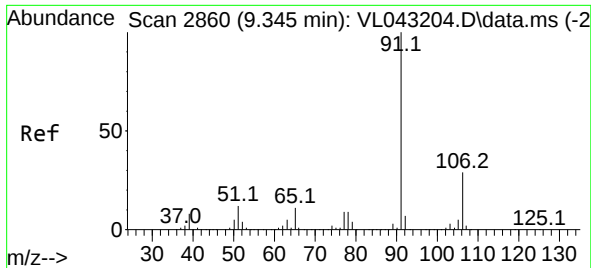
Tgt Ion: 91 Resp: 11706
Ion Ratio Lower Upper
91 100
92 99.9 47.4 71.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.868 min Scan# 2713
Delta R.T. -0.004 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

Tgt Ion: 117 Resp: 304741
Ion Ratio Lower Upper
117 100
82 63.1 56.1 84.1
119 31.9 25.0 37.6

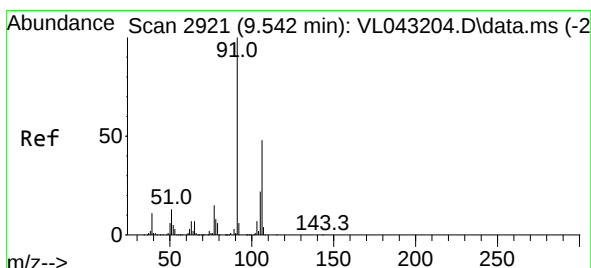
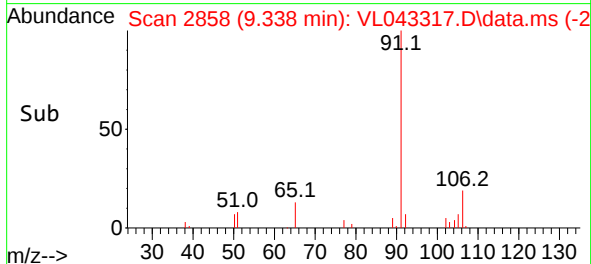
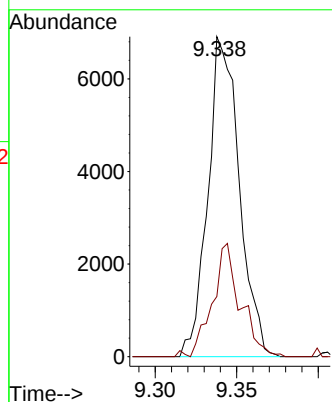
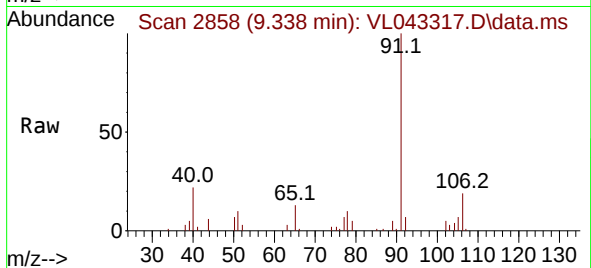




#58
Ethyl Benzene
Concen: 0.158 ppbv
RT: 9.338 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

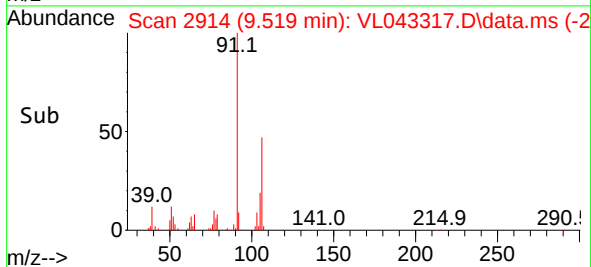
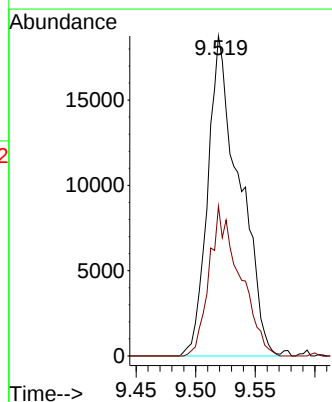
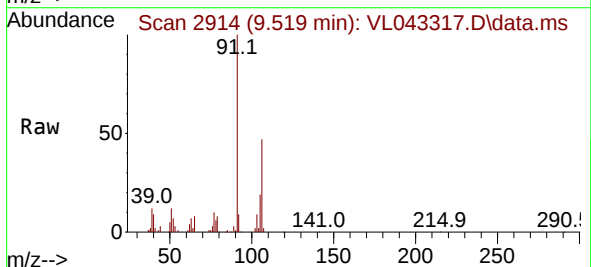
Instrument :
MSVOA_L
ClientSampleId :
IA1

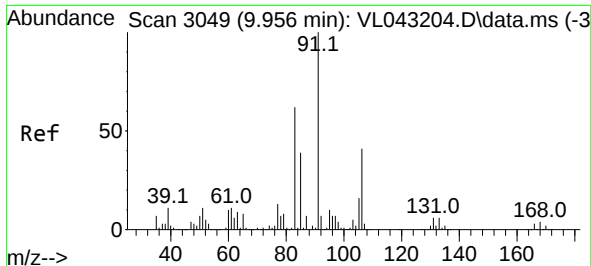
Tgt Ion: 91 Resp: 9249
Ion Ratio Lower Upper
91 100
106 18.0 22.8 34.2#



#59
m/p-Xylene
Concen: 0.737 ppbv
RT: 9.519 min Scan# 2914
Delta R.T. -0.023 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

Tgt Ion: 91 Resp: 34647
Ion Ratio Lower Upper
91 100
106 45.3 36.1 54.1

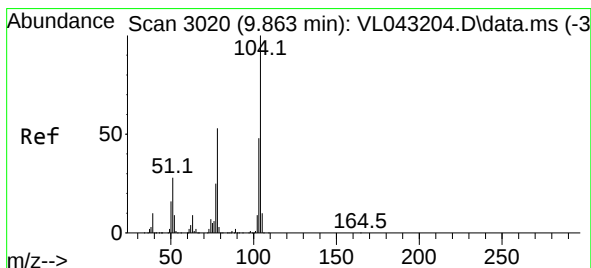
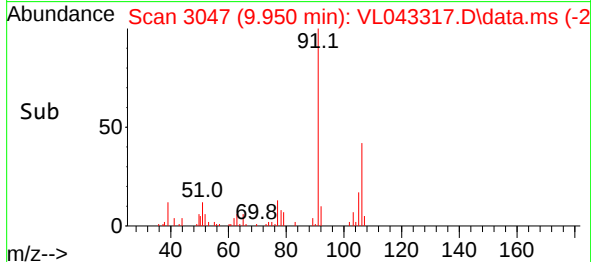
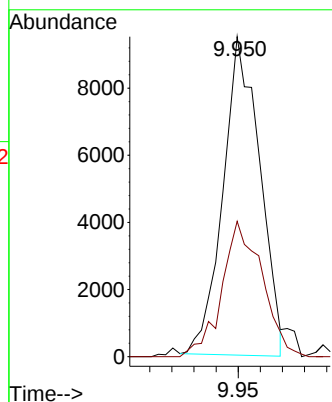
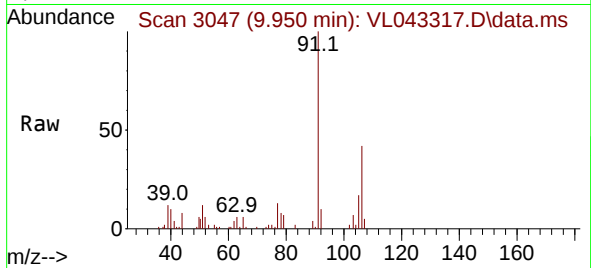




#60
o-Xylene
Concen: 0.233 ppbv
RT: 9.950 min Scan# 3049
Delta R.T. -0.007 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

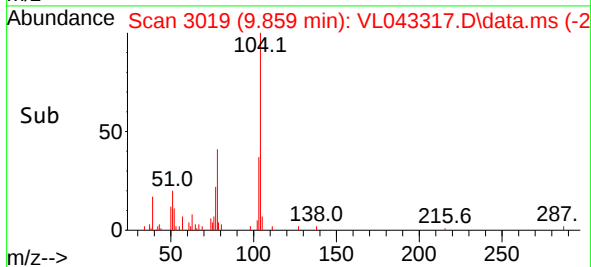
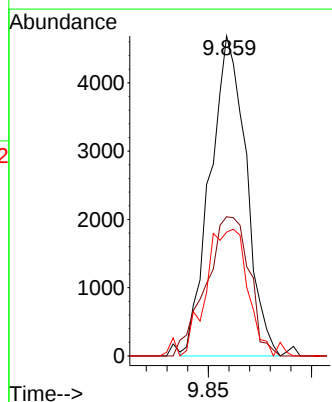
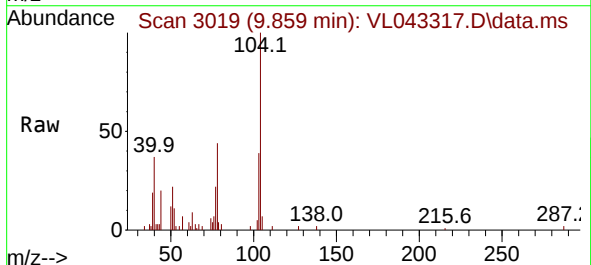
Instrument :
MSVOA_1
ClientSampleId :
IA1

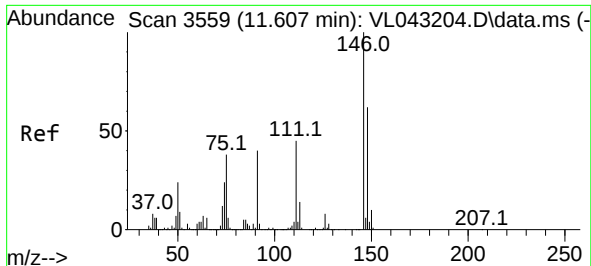
Tgt Ion: 91 Resp: 10962
Ion Ratio Lower Upper
91 100
106 46.6 20.9 62.8



#61
Styrene
Concen: 0.276 ppbv
RT: 9.859 min Scan# 3019
Delta R.T. -0.004 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

Tgt Ion: 104 Resp: 5673
Ion Ratio Lower Upper
104 100
78 52.0 42.1 63.1
103 47.2 37.2 55.8

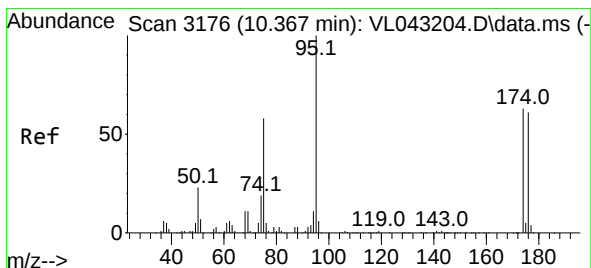
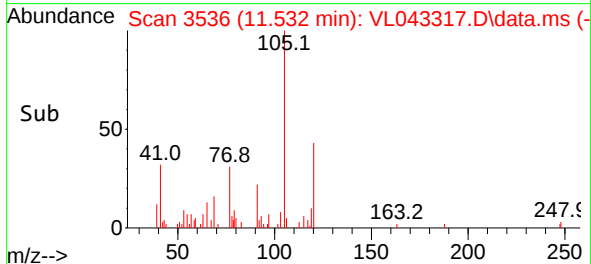
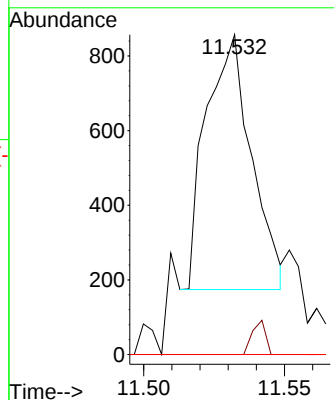
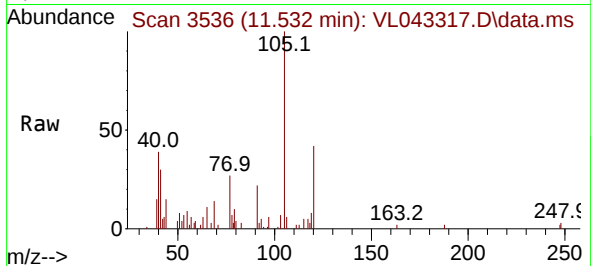




#66
Benzyl Chloride
Concen: 0.100 ppbv
RT: 11.532 min Scan# 31536
Delta R.T. -0.075 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

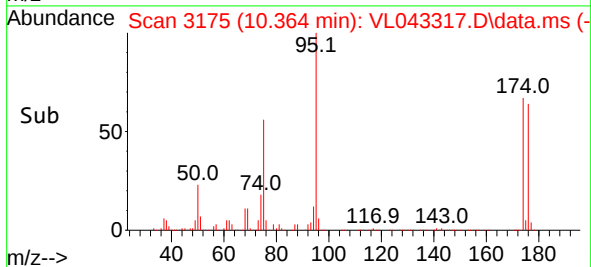
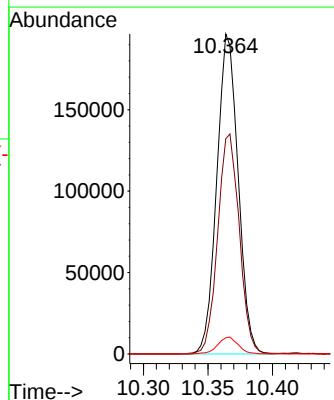
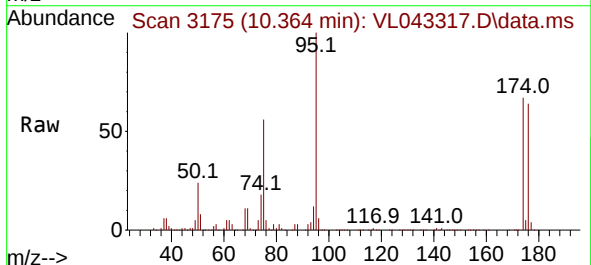
Instrument :
MSVOA_L
ClientSampleId :
IA1

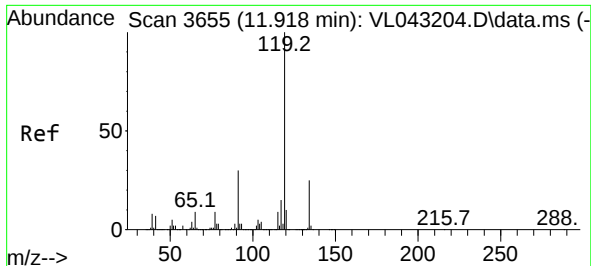
Tgt Ion: 91 Resp: 764
Ion Ratio Lower Upper
91 100
126 0.0 14.4 21.6#
128 0.0 4.6 6.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.105 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.004 min
Lab File: VL043317.D
Acq: 08 Dec 2025 17:36

Tgt Ion: 95 Resp: 225713
Ion Ratio Lower Upper
95 100
174 69.6 50.2 75.2
175 5.1 4.1 6.1

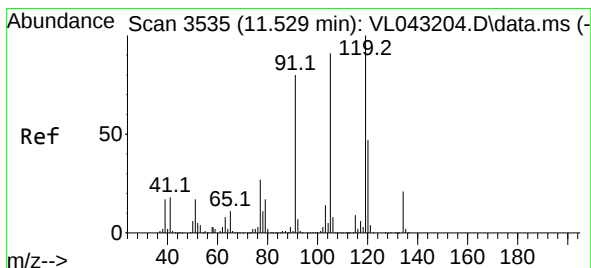
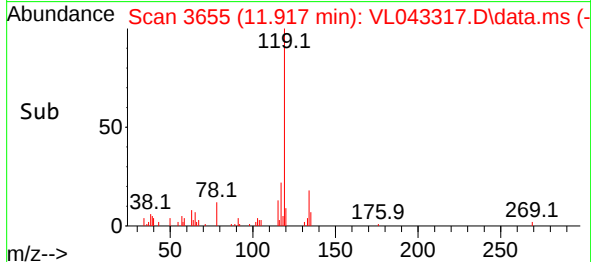
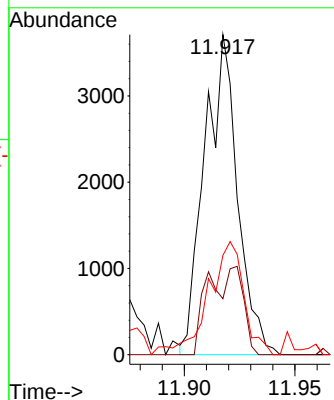
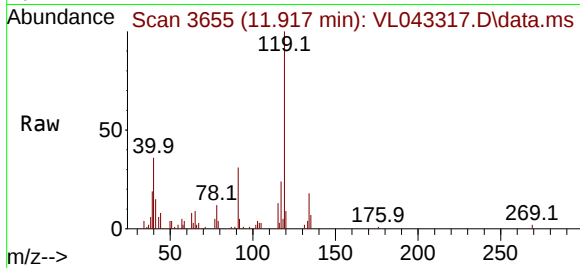




#69
 p-Isopropyltoluene
 Concen: 0.043 ppbv
 RT: 11.917 min Scan# 3655
 Delta R.T. -0.000 min
 Lab File: VL043317.D
 Acq: 08 Dec 2025 17:36

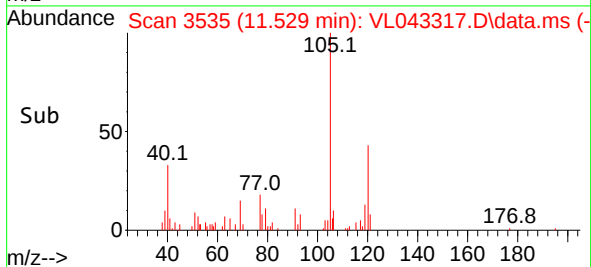
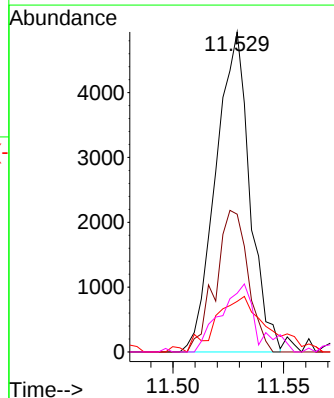
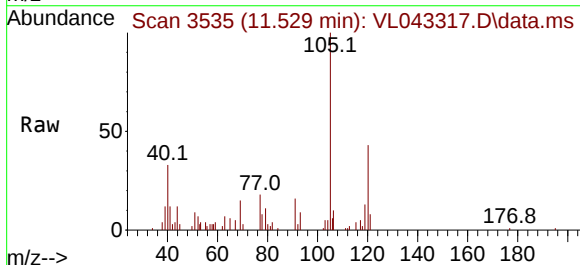
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

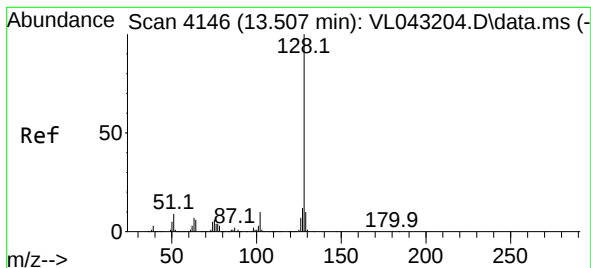
Tgt Ion:	119	Resp:	3836
Ion Ratio	Lower	Upper	
119	100		
134	29.4	20.2	30.2
91	40.8	23.8	35.8



#74
 1,2,4-Trimethylbenzene
 Concen: 0.100 ppbv
 RT: 11.529 min Scan# 3535
 Delta R.T. -0.000 min
 Lab File: VL043317.D
 Acq: 08 Dec 2025 17:36

Tgt Ion:	105	Resp:	5265
Ion Ratio	Lower	Upper	
105	100		
120	43.0	41.7	62.5
91	14.5	70.0	105.0
77	26.5	23.8	35.8





#79

Naphthalene

Concen: 0.205 ppbv

RT: 13.507 min Scan# 4146

Delta R.T. -0.000 min

Lab File: VL043317.D

Acq: 08 Dec 2025 17:36

Instrument :

MSVOA_L

ClientSampleId :

IA1

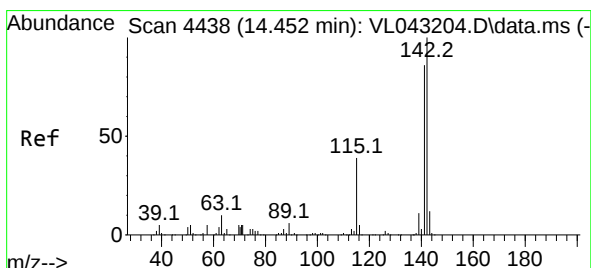
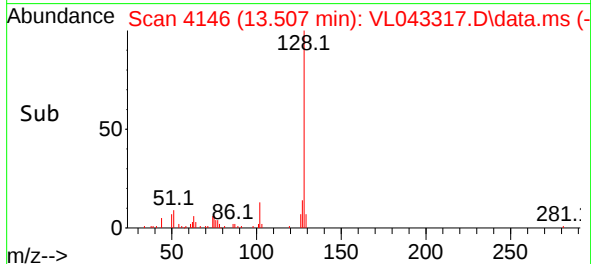
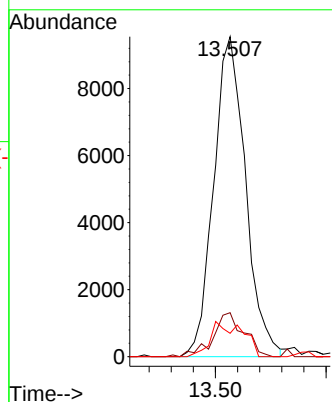
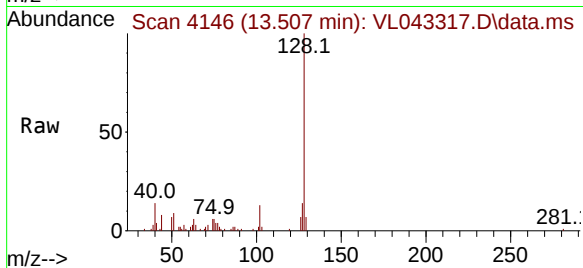
Tgt Ion:128 Resp: 9541

Ion Ratio Lower Upper

128 100

127 13.8 9.9 14.9

129 7.3 8.4 12.6#



#80

Naphthalene,2-methyl-

Concen: 0.047 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. 0.003 min

Lab File: VL043317.D

Acq: 08 Dec 2025 17:36

Tgt Ion:142 Resp: 579

Ion Ratio Lower Upper

142 100

141 51.6 67.1 100.7#

115 11.2 31.9 47.9#

