

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042177.D
 Acq On : 27 Mar 2025 11:03
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Mar 28 01:36:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 01:31:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	178058	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	512915	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	475617	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	389935	9.983	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%

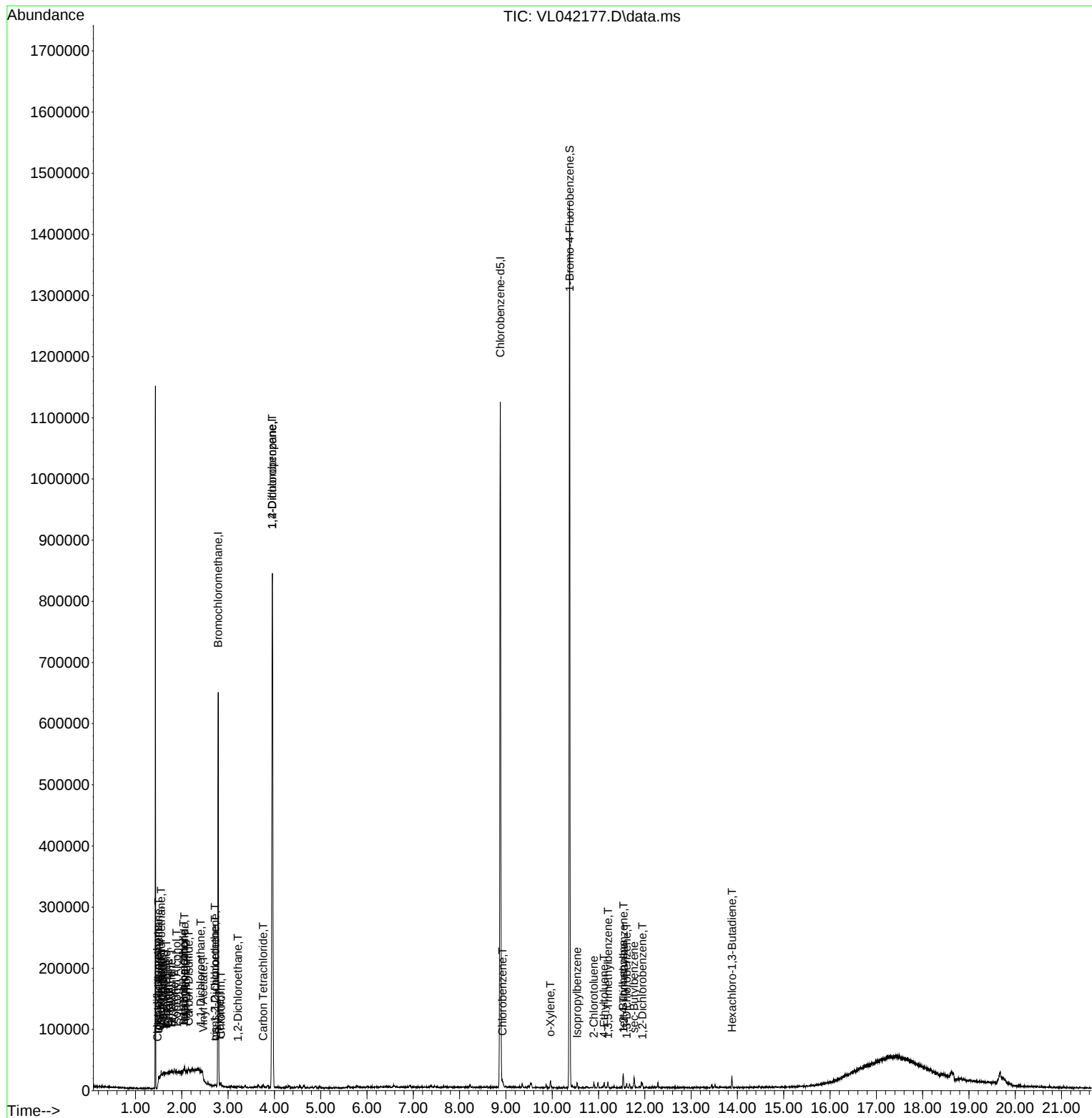
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	914	0.035	ppbv #	73
3) Chlorodifluoromethane	1.476	51	1354	0.050	ppbv #	1
4) Chloromethane	1.531	50	675	0.063	ppbv #	86
5) Vinyl Chloride	1.580	62	534	0.049	ppbv #	79
6) Bromomethane	1.670	94	483	0.099	ppbv #	9
7) Chloroethane	1.703	64	361	0.084	ppbv #	45
8) Dichlorotetrafluoroethane	1.554	85	815	0.036	ppbv #	79
13) Ethanol	1.719	45	312	0.329	ppbv #	27
14) Bromoethene	1.780	108	482	0.060	ppbv #	31
15) Acetone	1.835	43	3574	0.144	ppbv #	63
16) 1,3-Butadiene	1.606	39	1101	0.098	ppbv #	57
17) tert-Butyl alcohol	2.043	59	1215	0.039	ppbv #	1
18) 1,1-Dichloroethene	2.036	96	560	0.057	ppbv #	38
19) Isopropyl Alcohol	1.887	45	1071	0.076	ppbv #	30
20) Methylene Chloride	2.059	84	1823	0.197	ppbv #	91
21) Allyl Chloride	2.091	41	1518	0.086	ppbv #	29
22) trans-1,2-Dichloroethene	2.719	96	586	0.051	ppbv	96
23) Vinyl Acetate	2.463	43	689	0.067	ppbv #	1
24) 1,1-Dichloroethane	2.412	63	961	0.046	ppbv #	72
26) Hexane	2.819	57	1040	0.042	ppbv #	46
27) Carbon Disulfide	2.149	76	1061	0.040	ppbv #	1
29) Chloroform	2.848	83	1619	0.044	ppbv	92
31) cis-1,2-Dichloroethene	2.719	61	846	0.033	ppbv	92
35) Carbon Tetrachloride	3.758	117	1520	0.039	ppbv #	42
37) 1,2-Dichloroethane	3.214	62	1029	0.035	ppbv #	88
39) 1,2-Dichloropropane	3.955	63	136518	7.372	ppbv #	23
57) Chlorobenzene	8.924	112	1382	0.031	ppbv #	61
60) o-Xylene	9.959	91	2844	0.042	ppbv	96
62) Isopropylbenzene	10.535	105	3380	0.033	ppbv	95
65) tert-Butylbenzene	11.529	119	3543	0.038	ppbv	98
67) sec-Butylbenzene	11.765	105	4317	0.033	ppbv	92
71) 2-Chlorotoluene	10.898	91	2666	0.034	ppbv	97
72) 4-Ethyltoluene	11.121	105	3017	0.036	ppbv #	64
73) 1,3,5-Trimethylbenzene	11.205	105	3101	0.042	ppbv	94
74) 1,2,4-Trimethylbenzene	11.539	105	5313	0.063	ppbv #	73
75) 1,3-Dichlorobenzene	11.607	146	1577	0.034	ppbv	90
77) 1,2-Dichlorobenzene	11.947	146	1591	0.035	ppbv	92
78) Hexachloro-1,3-Butadiene	13.882	225	1821	0.040	ppbv	94

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

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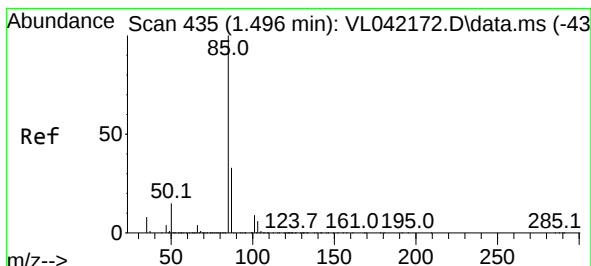
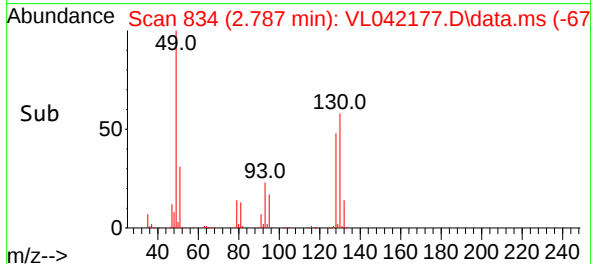
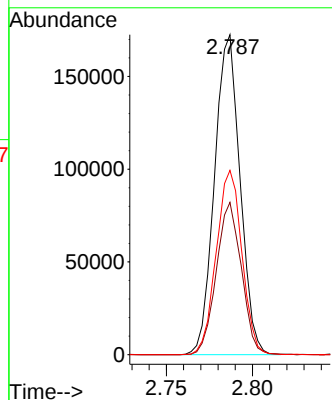
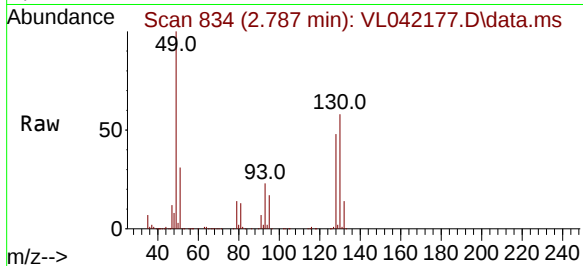




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

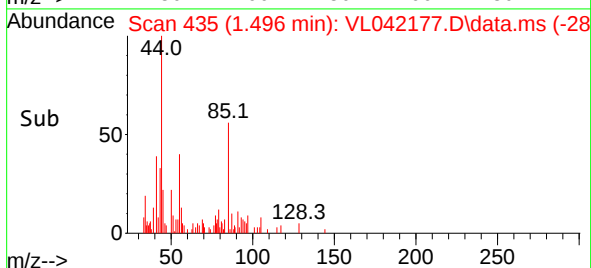
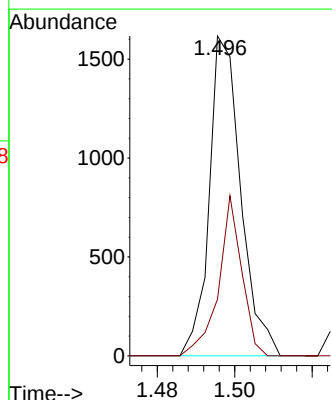
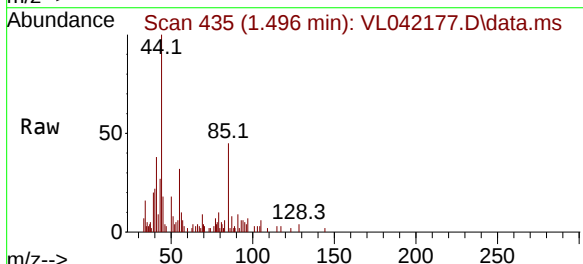
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion: 49 Resp: 178058
Ion Ratio Lower Upper
49 100
128 46.8 22.9 68.5
130 57.9 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 0.035 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 85 Resp: 914
Ion Ratio Lower Upper
85 100
87 17.7 26.1 39.1#

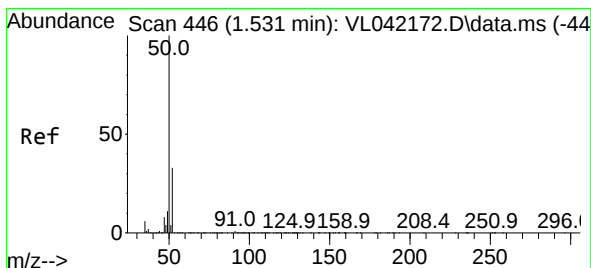
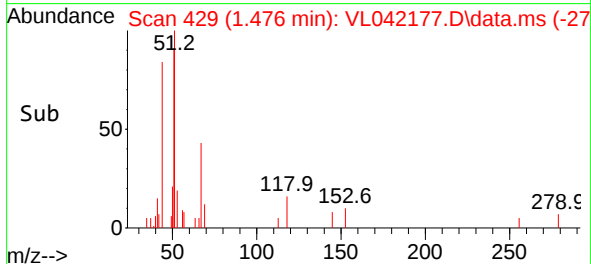
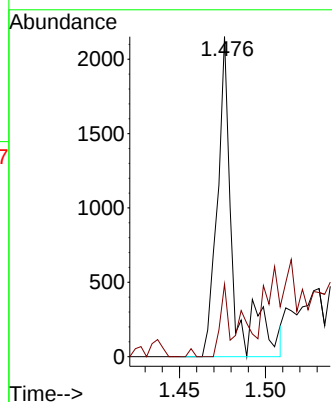
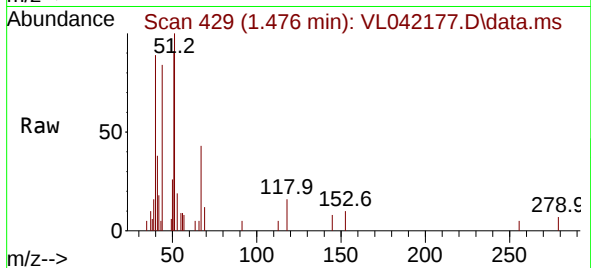




#3
Chlorodifluoromethane
Concen: 0.050 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

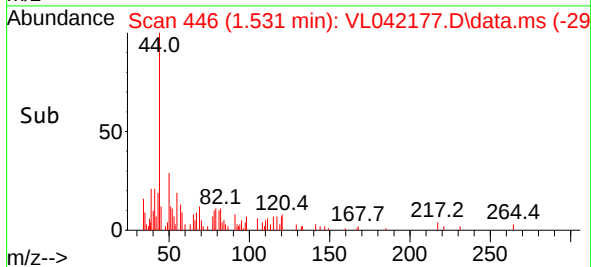
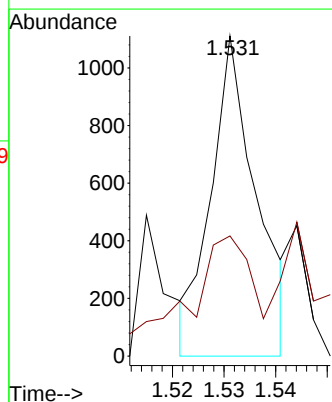
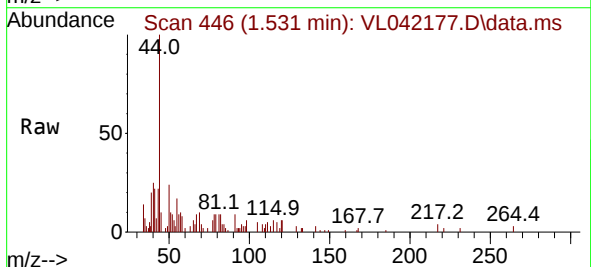
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ClientSampleId :
VSTDIC0.03

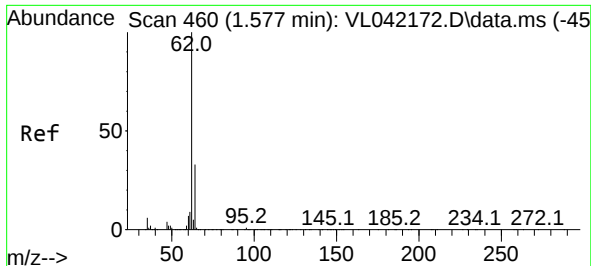
Tgt Ion: 51 Resp: 1354
Ion Ratio Lower Upper
51 100
67 71.0 15.0 22.6#



#4
Chloromethane
Concen: 0.063 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 50 Resp: 675
Ion Ratio Lower Upper
50 100
52 24.6 26.1 39.1#

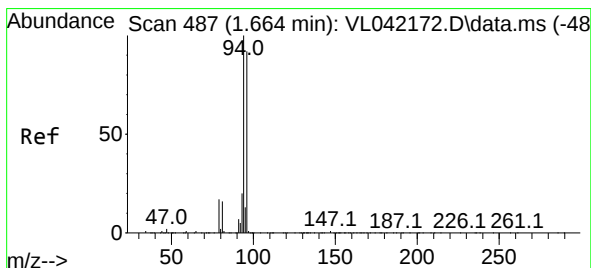
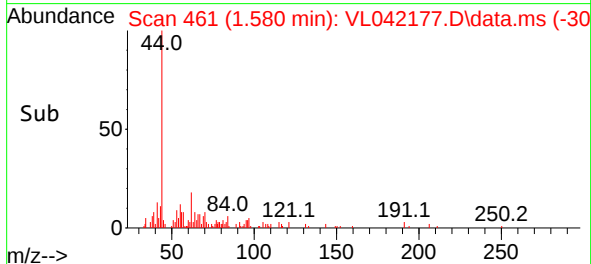
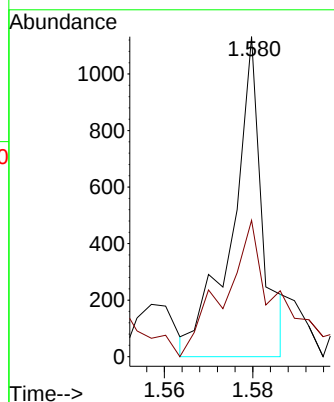
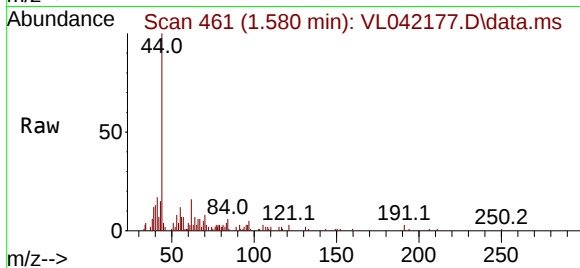




#5
 Vinyl Chloride
 Concen: 0.049 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042177.D
 Acq: 27 Mar 2025 11:03

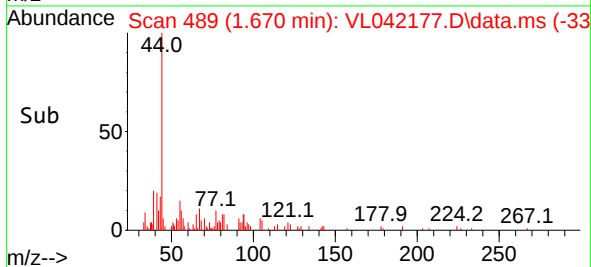
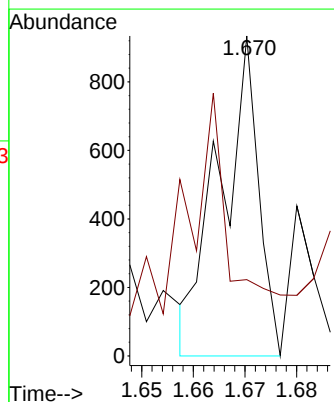
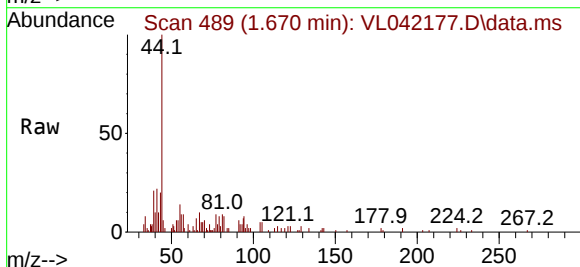
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

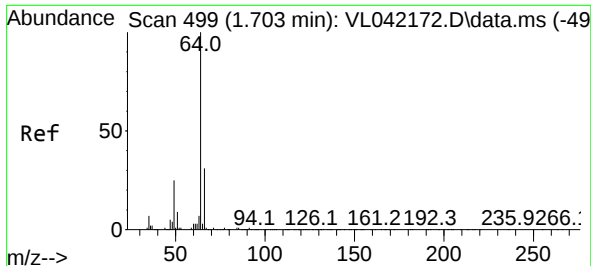
Tgt Ion: 62 Resp: 534
 Ion Ratio Lower Upper
 62 100
 64 45.4 26.6 40.0#



#6
 Bromomethane
 Concen: 0.099 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.006 min
 Lab File: VL042177.D
 Acq: 27 Mar 2025 11:03

Tgt Ion: 94 Resp: 483
 Ion Ratio Lower Upper
 94 100
 96 4.8 73.1 109.7#

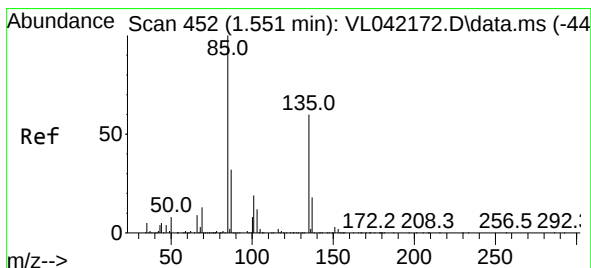
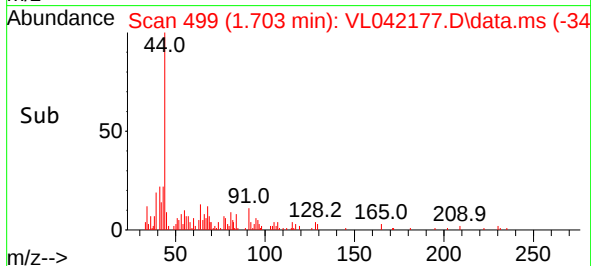
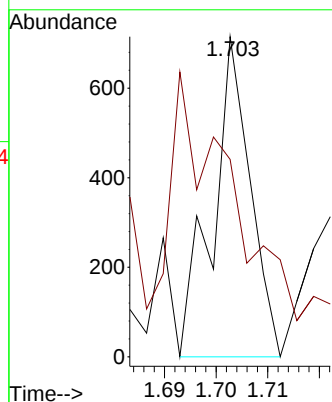
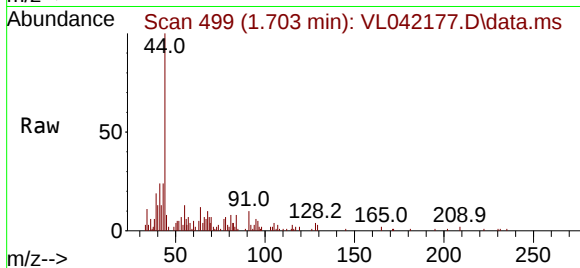




#7
Chloroethane
Concen: 0.084 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

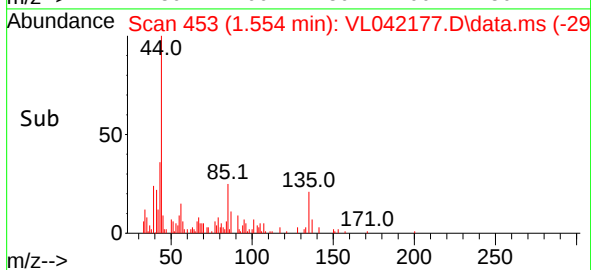
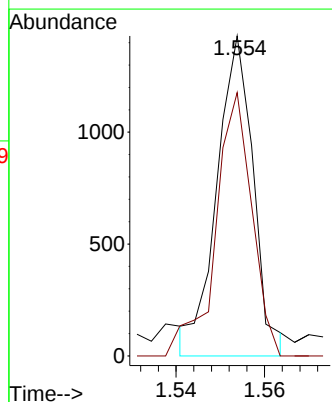
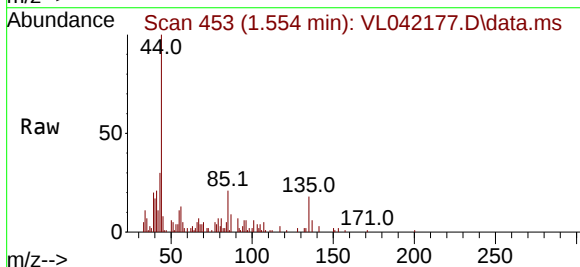
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

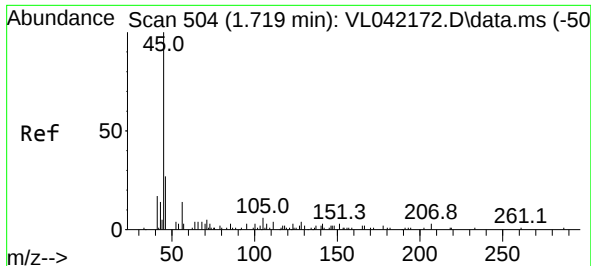
Tgt Ion: 64 Resp: 361
Ion Ratio Lower Upper
64 100
66 61.7 25.2 37.8#



#8
Dichlorotetrafluoroethane
Concen: 0.036 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 85 Resp: 815
Ion Ratio Lower Upper
85 100
135 82.3 52.4 78.6#

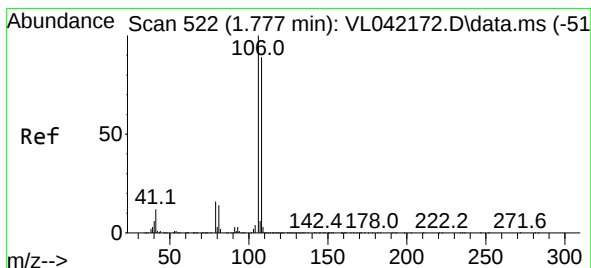
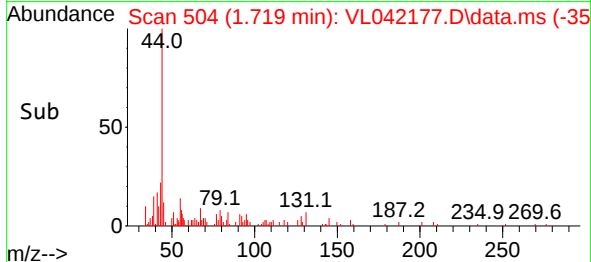
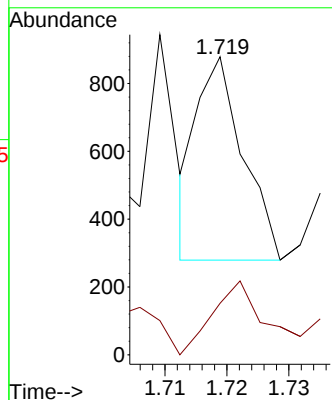
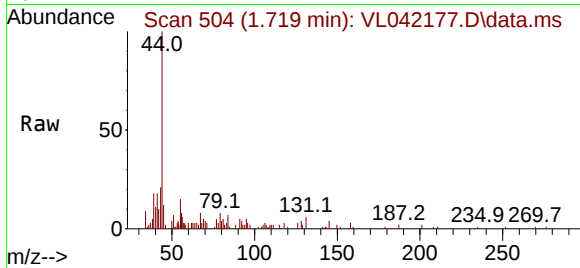




#13
Ethanol
Concen: 0.329 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

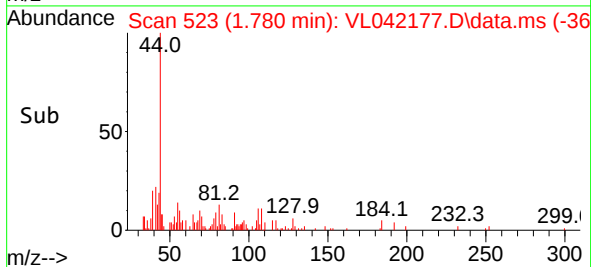
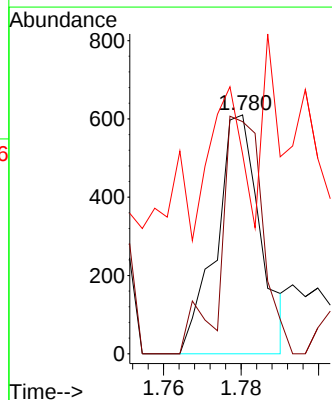
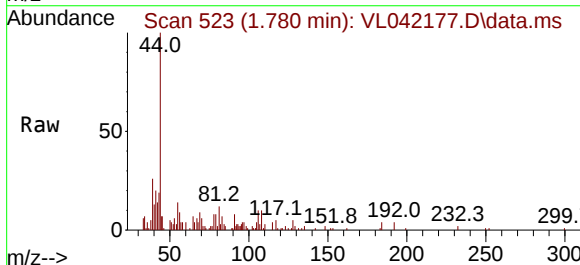
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MSVOA_1
ClientSampleId :
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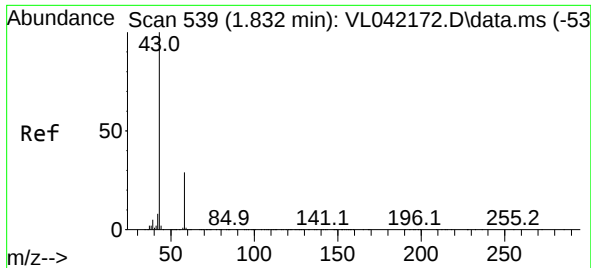
Tgt Ion: 45 Resp: 312
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#



#14
Bromoethene
Concen: 0.060 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 108 Resp: 482
Ion Ratio Lower Upper
108 100
106 100.4 86.8 130.2
79 208.5 15.0 22.6#





#15

Acetone

Concen: 0.144 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042177.D

Acq: 27 Mar 2025 11:03

Instrument :

MSVOA_L

ClientSampleId :

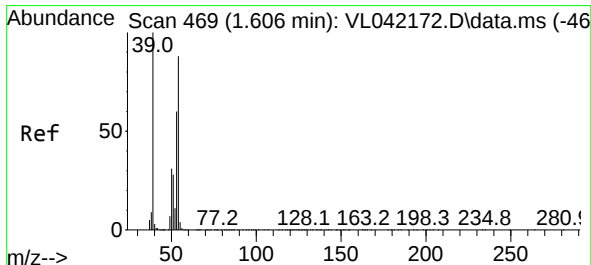
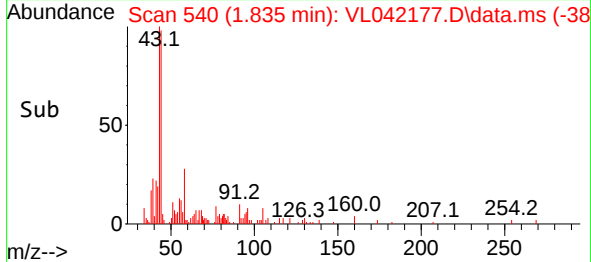
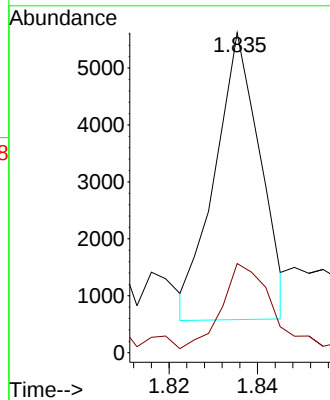
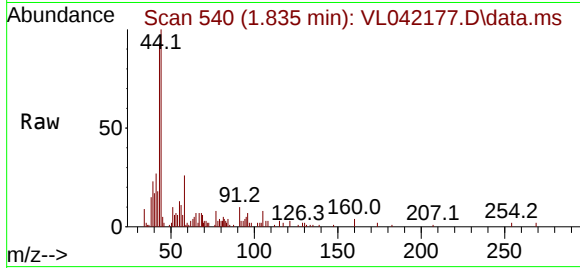
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Tgt Ion: 43 Resp: 3574

Ion Ratio Lower Upper

43 100

58 48.5 23.2 34.8#



#16

1,3-Butadiene

Concen: 0.098 ppbv

RT: 1.606 min Scan# 469

Delta R.T. -0.000 min

Lab File: VL042177.D

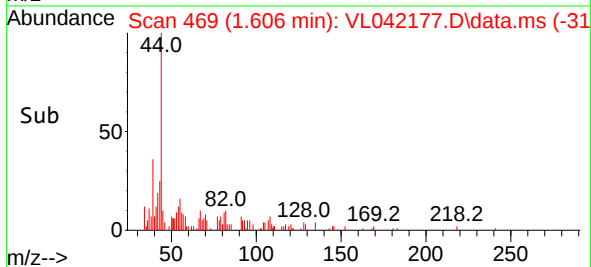
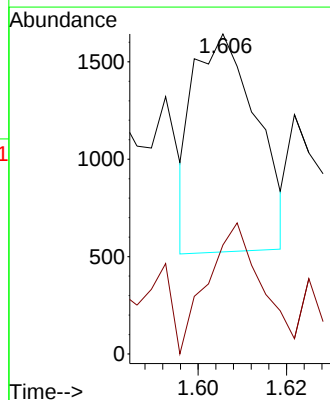
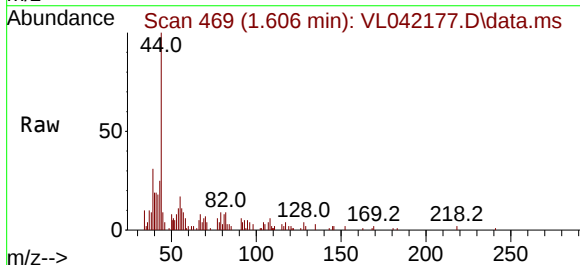
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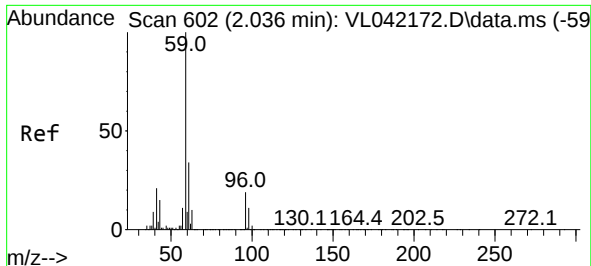
Tgt Ion: 39 Resp: 1101

Ion Ratio Lower Upper

39 100

54 113.1 60.7 91.1#

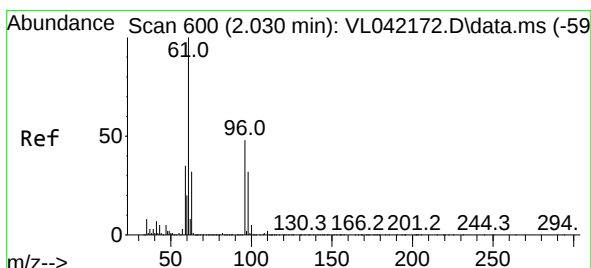
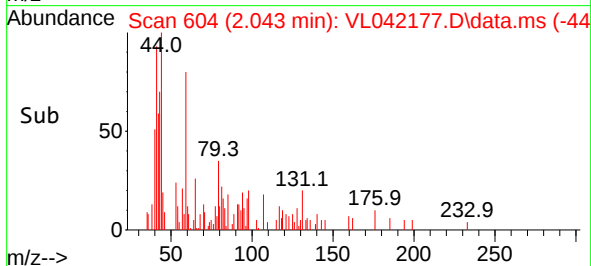
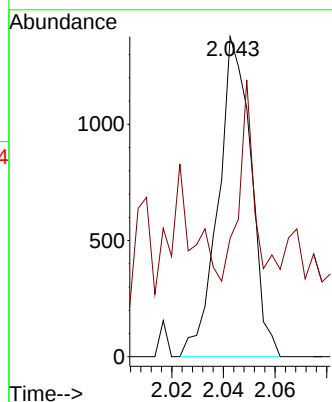
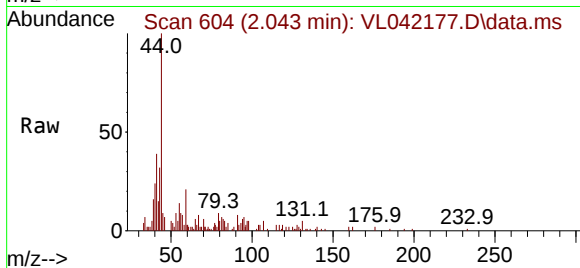




#17
 tert-Butyl alcohol
 Concen: 0.039 ppbv
 RT: 2.043 min Scan# 604
 Delta R.T. 0.006 min
 Lab File: VL042177.D
 Acq: 27 Mar 2025 11:03

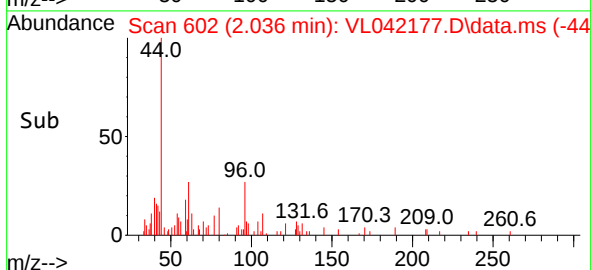
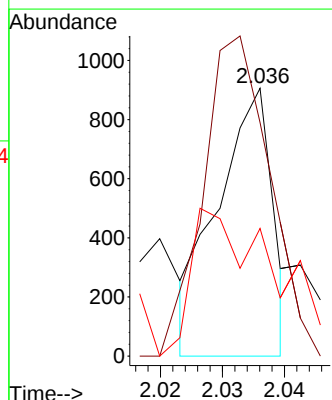
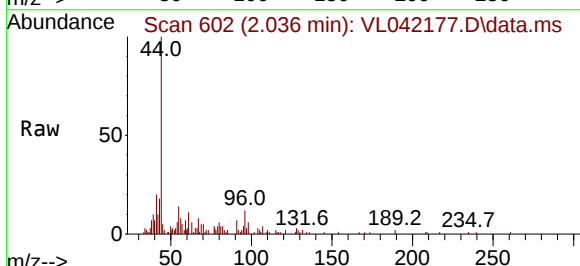
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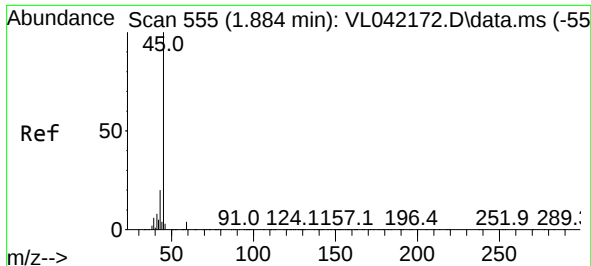
Tgt Ion: 59 Resp: 1215
 Ion Ratio Lower Upper
 59 100
 57 107.2 8.9 13.3#



#18
 1,1-Dichloroethene
 Concen: 0.057 ppbv
 RT: 2.036 min Scan# 602
 Delta R.T. 0.006 min
 Lab File: VL042177.D
 Acq: 27 Mar 2025 11:03

Tgt Ion: 96 Resp: 560
 Ion Ratio Lower Upper
 96 100
 61 87.3 167.6 251.4#
 98 56.8 53.5 80.3

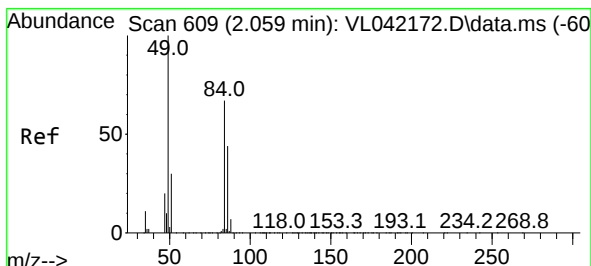
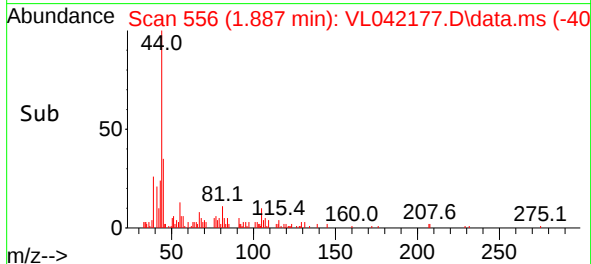
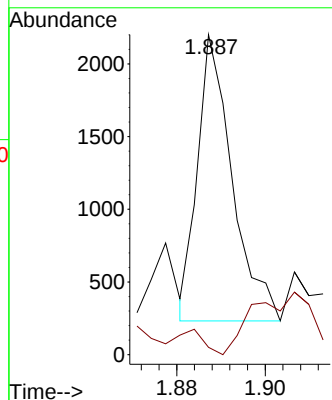
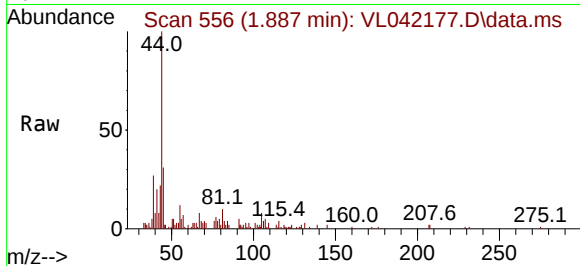




#19
Isopropyl Alcohol
Concen: 0.076 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

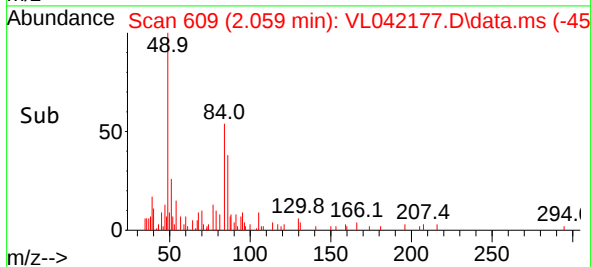
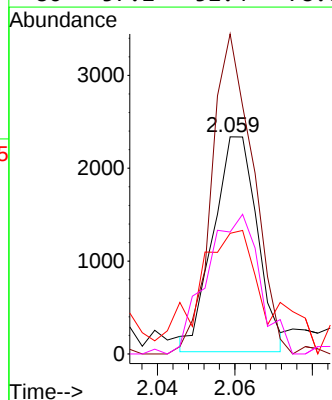
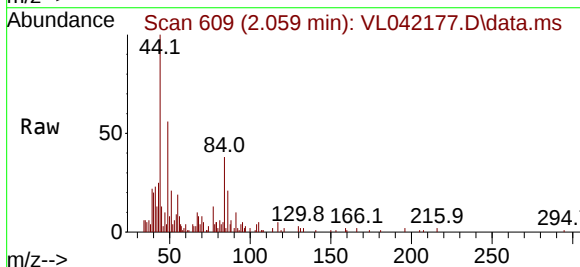
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

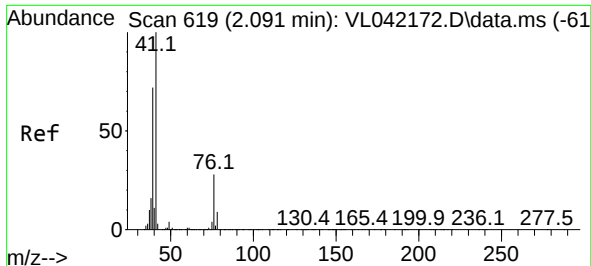
Tgt Ion: 45 Resp: 1071
Ion Ratio Lower Upper
45 100
58 0.0 36.9 55.3#



#20
Methylene Chloride
Concen: 0.197 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 84 Resp: 1823
Ion Ratio Lower Upper
84 100
49 156.6 120.2 180.4
51 34.6 37.4 56.0#
86 57.2 52.4 78.6

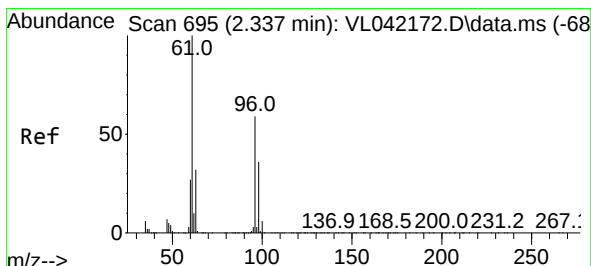
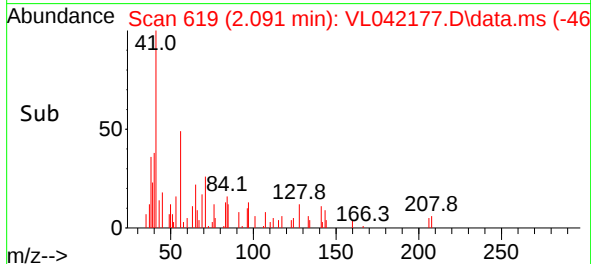
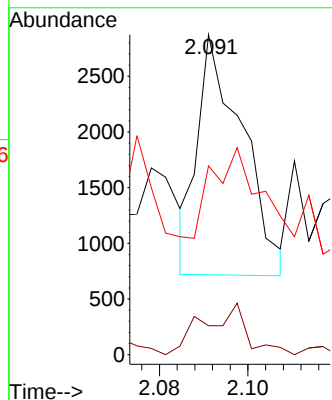
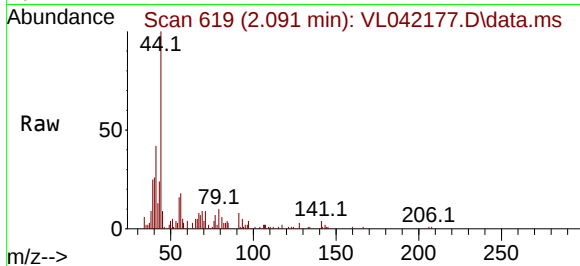




#21
 Allyl Chloride
 Concen: 0.086 ppbv
 RT: 2.091 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042177.D
 Acq: 27 Mar 2025 11:03

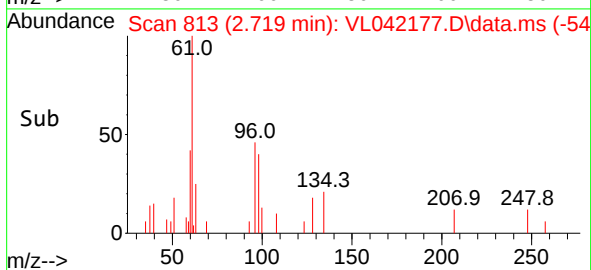
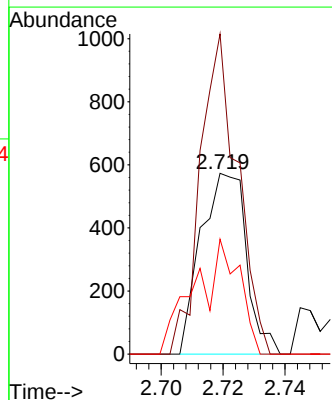
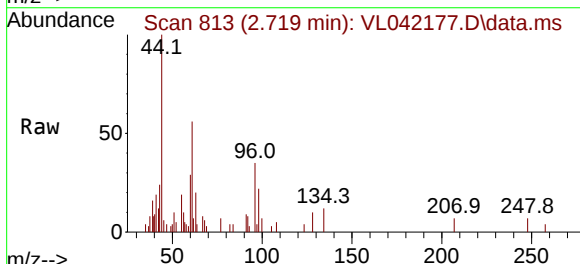
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

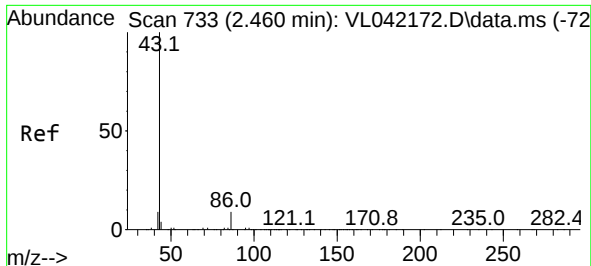
Tgt Ion: 41 Resp: 1518
 Ion Ratio Lower Upper
 41 100
 76 25.9 24.1 36.1
 39 158.8 61.1 91.7#



#22
 trans-1,2-Dichloroethene
 Concen: 0.051 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. 0.382 min
 Lab File: VL042177.D
 Acq: 27 Mar 2025 11:03

Tgt Ion: 96 Resp: 586
 Ion Ratio Lower Upper
 96 100
 61 177.1 136.6 204.8
 98 63.5 49.4 74.2

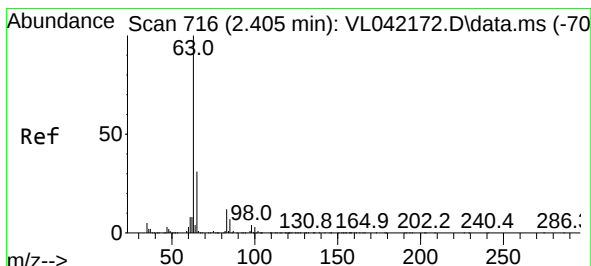
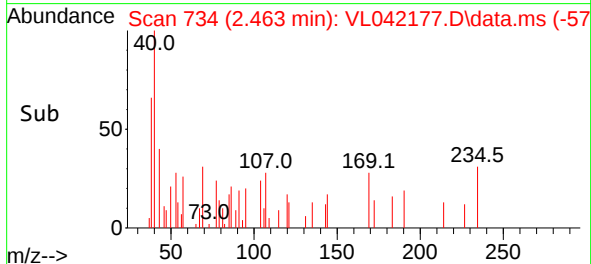
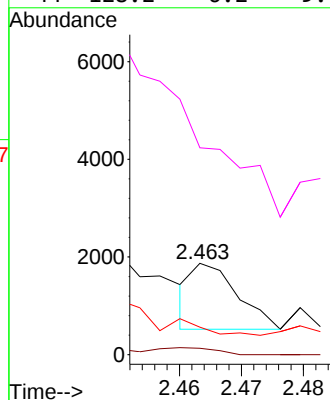
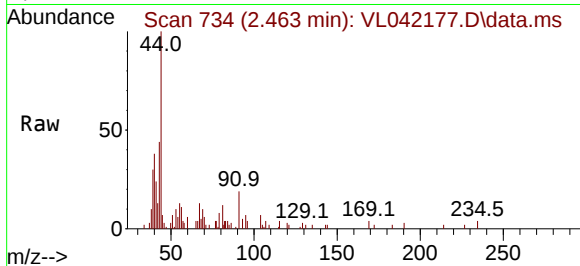




#23
 Vinyl Acetate
 Concen: 0.067 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042177.D
 Acq: 27 Mar 2025 11:03

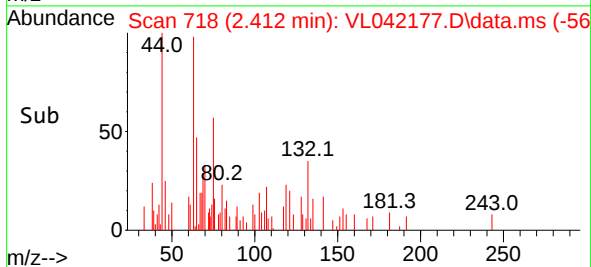
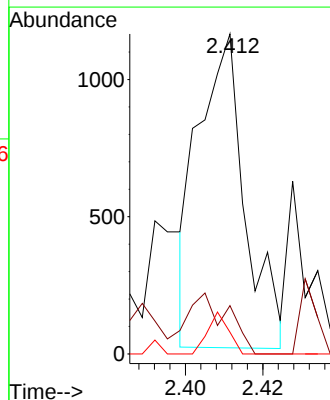
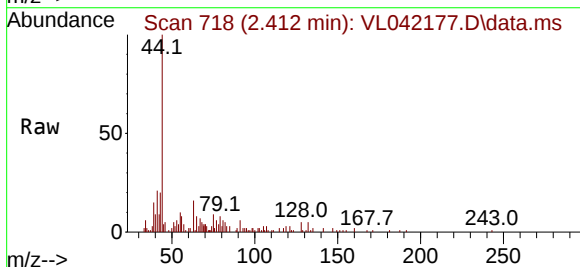
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

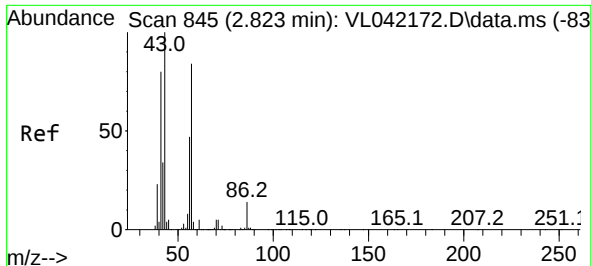
Tgt Ion:	43	Resp:	689
Ion	Ratio	Lower	Upper
43	100		
86	9.7	5.5	8.3#
42	6.8	8.6	13.0#
44	128.2	6.2	9.4#



#24
 1,1-Dichloroethane
 Concen: 0.046 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL042177.D
 Acq: 27 Mar 2025 11:03

Tgt Ion:	63	Resp:	961
Ion	Ratio	Lower	Upper
63	100		
98	16.8	2.3	6.8#
100	7.6	1.6	4.7#

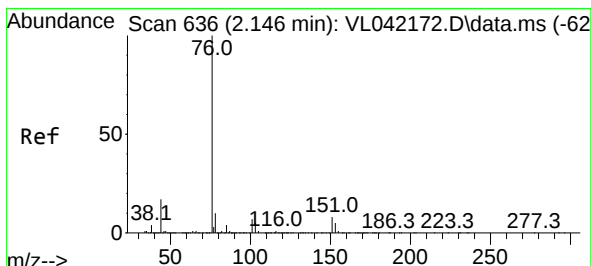
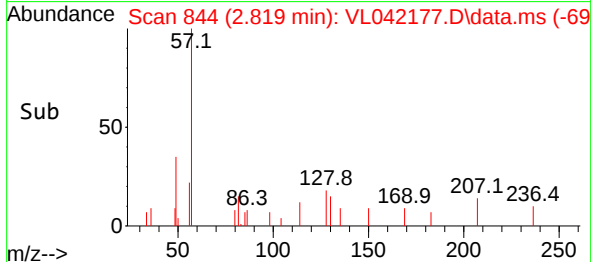
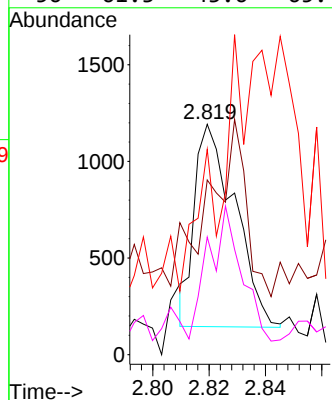
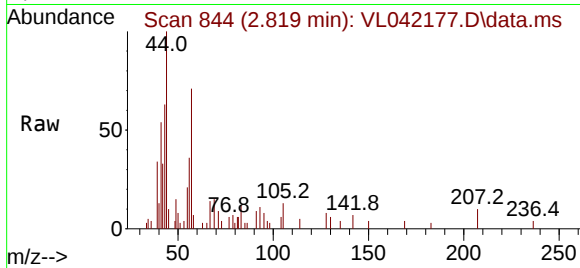




#26
Hexane
Concen: 0.042 ppbv
RT: 2.819 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

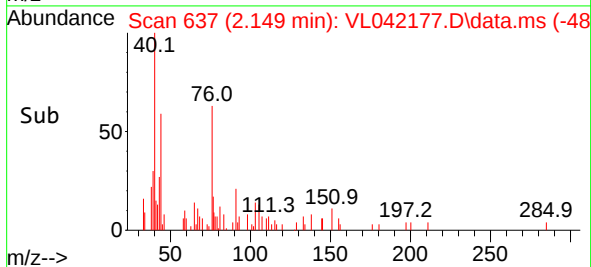
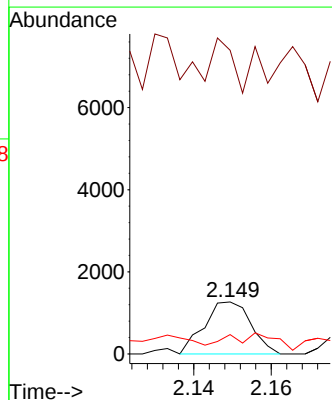
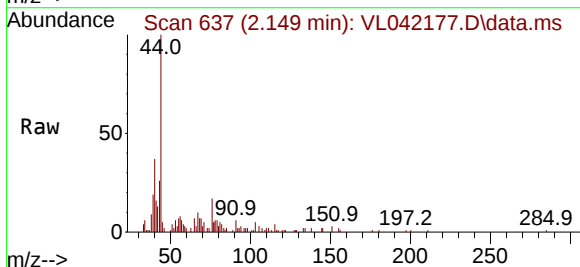
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

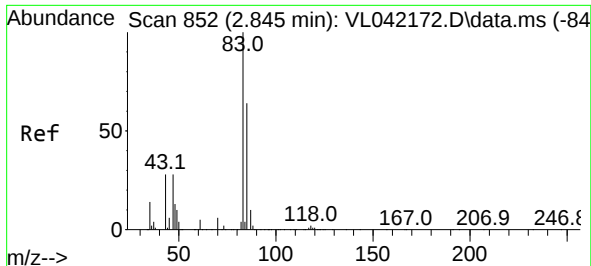
Tgt Ion: 57 Resp: 1040
Ion Ratio Lower Upper
57 100
41 179.4 76.6 114.8#
43 351.5 207.8 311.8#
56 61.3 43.6 65.4



#27
Carbon Disulfide
Concen: 0.040 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 76 Resp: 1061
Ion Ratio Lower Upper
76 100
44 0.0 14.7 22.1#
78 112.4 9.3 13.9#





#29

Chloroform

Concen: 0.044 ppbv

RT: 2.848 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042177.D

Acq: 27 Mar 2025 11:03

Instrument :

MSVOA_L

ClientSampleId :

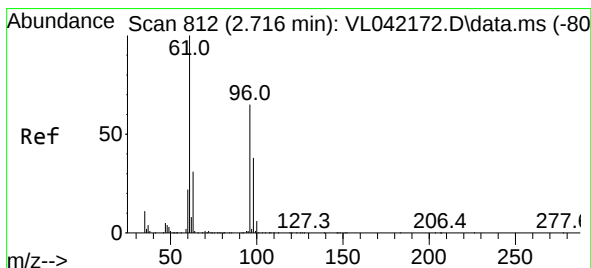
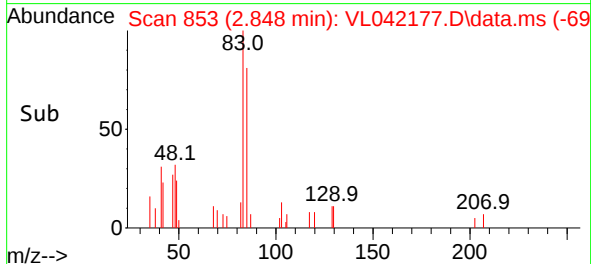
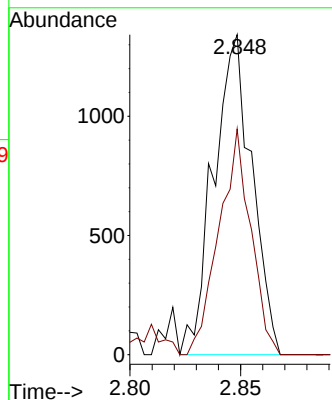
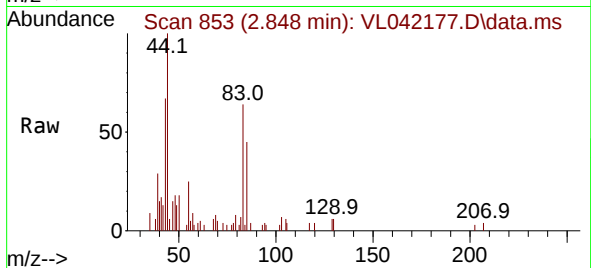
VSTDIC0.03

Tgt Ion: 83 Resp: 1619

Ion Ratio Lower Upper

83 100

85 70.6 51.4 77.2



#31

cis-1,2-Dichloroethene

Concen: 0.033 ppbv

RT: 2.719 min Scan# 813

Delta R.T. 0.003 min

Lab File: VL042177.D

Acq: 27 Mar 2025 11:03

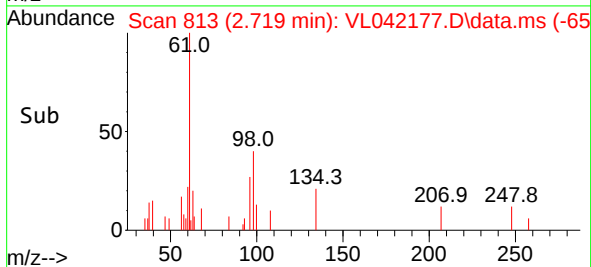
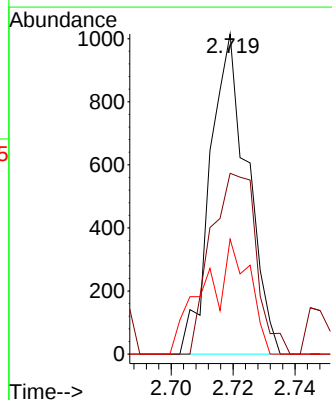
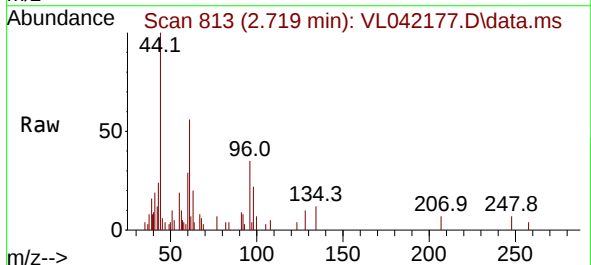
Tgt Ion: 61 Resp: 846

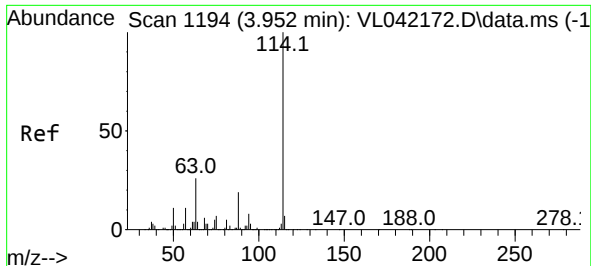
Ion Ratio Lower Upper

61 100

96 56.5 51.8 77.8

98 35.9 30.6 46.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.003 min

Lab File: VL042177.D

Acq: 27 Mar 2025 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

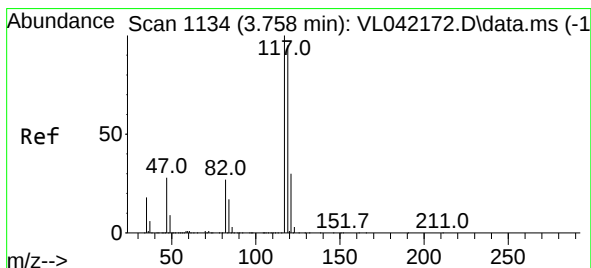
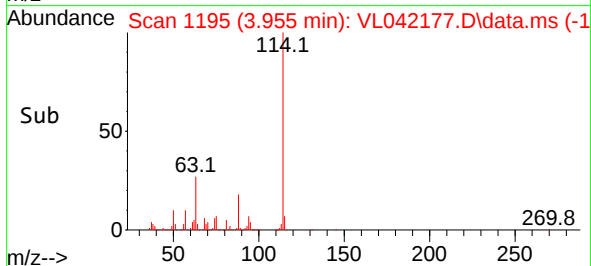
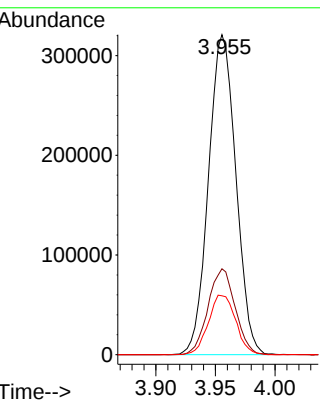
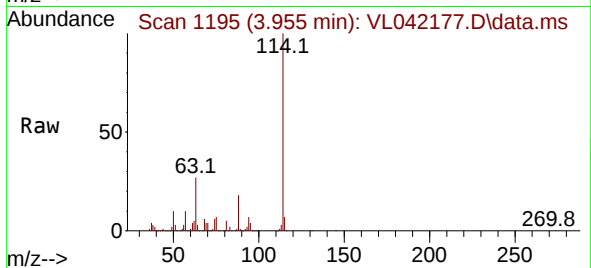
Tgt Ion:114 Resp: 512915

Ion Ratio Lower Upper

114 100

63 26.6 20.7 31.1

88 18.6 15.0 22.4



#35

Carbon Tetrachloride

Concen: 0.039 ppbv

RT: 3.758 min Scan# 1134

Delta R.T. -0.000 min

Lab File: VL042177.D

Acq: 27 Mar 2025 11:03

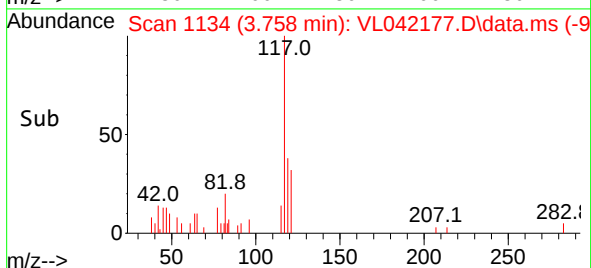
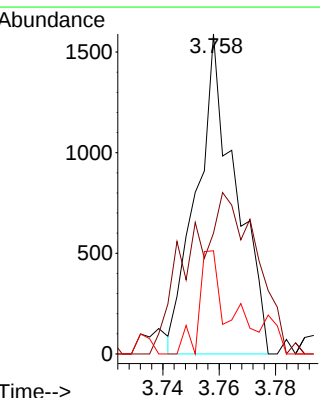
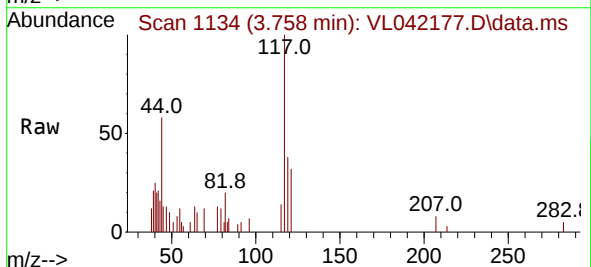
Tgt Ion:117 Resp: 1520

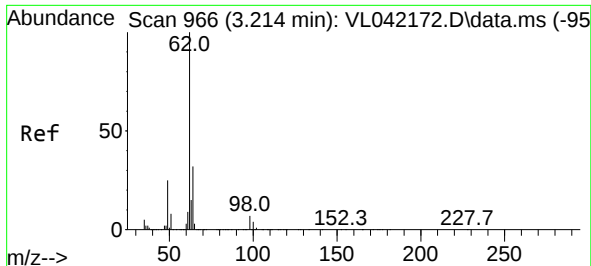
Ion Ratio Lower Upper

117 100

119 22.1 76.2 114.2#

121 32.3 24.2 36.4





#37

1,2-Dichloroethane

Concen: 0.035 ppbv

RT: 3.214 min Scan# 9

Delta R.T. -0.000 min

Lab File: VL042177.D

Acq: 27 Mar 2025 11:03

Instrument :

MSVOA_L

ClientSampleId :

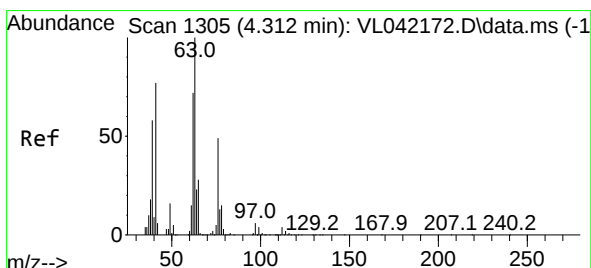
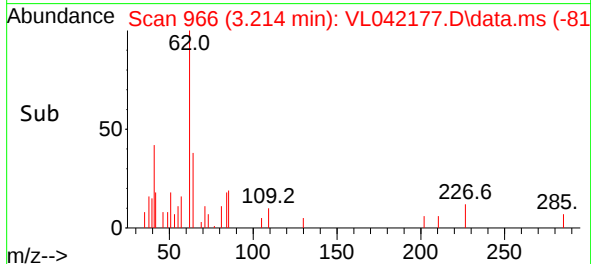
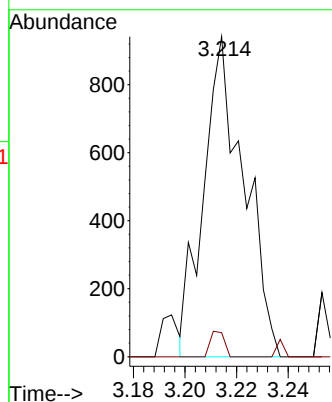
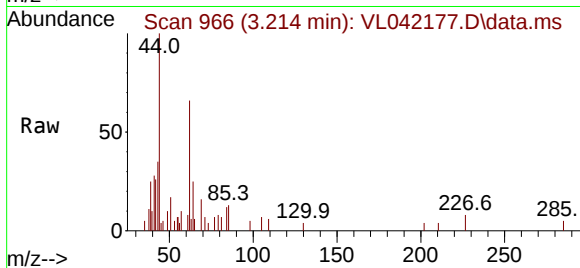
VSTDICC0.03

Tgt Ion: 62 Resp: 1029

Ion Ratio Lower Upper

62 100

98 2.7 5.4 8.2#



#39

1,2-Dichloropropane

Concen: 7.372 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.356 min

Lab File: VL042177.D

Acq: 27 Mar 2025 11:03

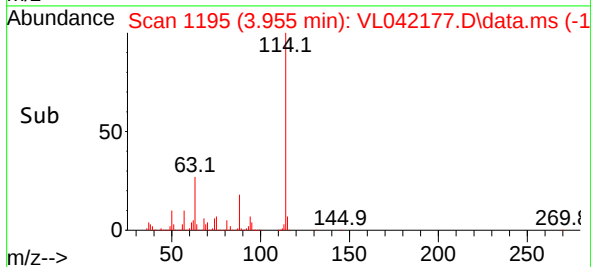
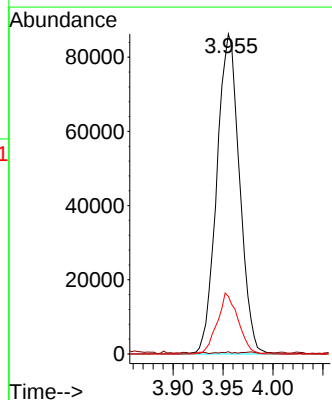
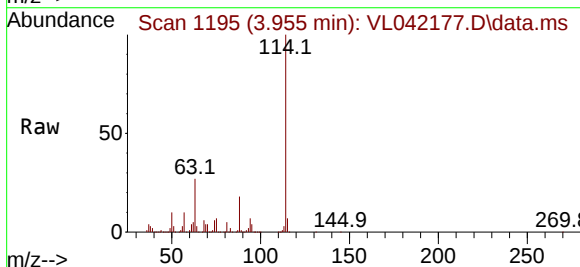
Tgt Ion: 63 Resp: 136518

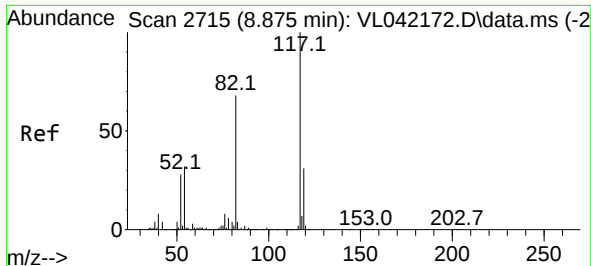
Ion Ratio Lower Upper

63 100

41 0.4 61.7 92.5#

62 18.0 57.6 86.4#

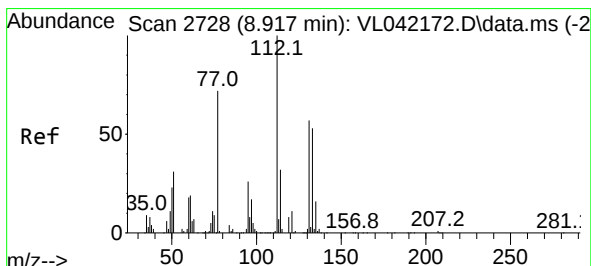
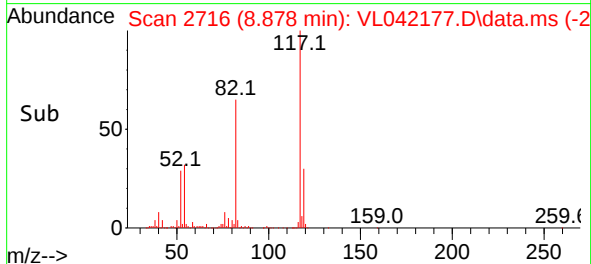
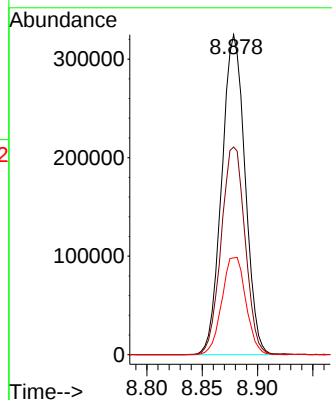
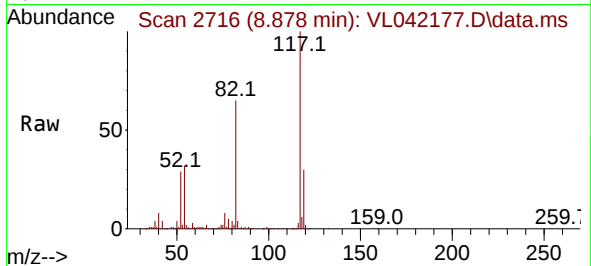




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

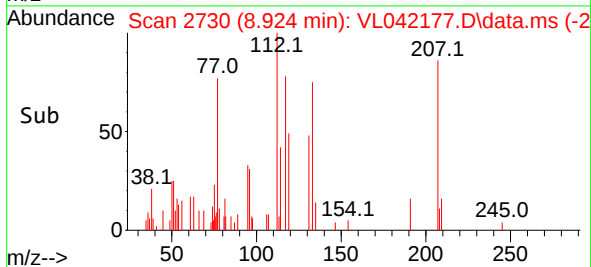
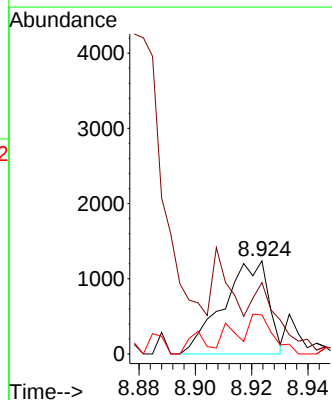
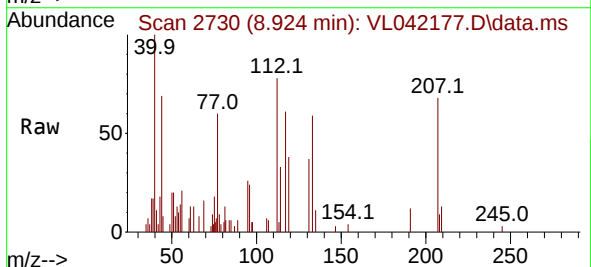
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

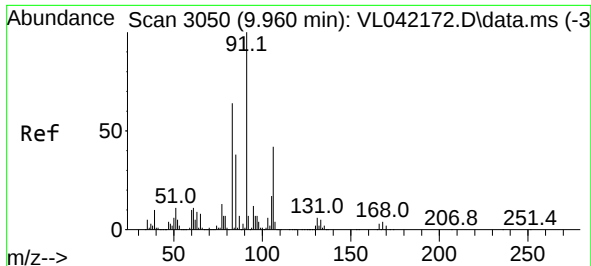
Tgt Ion:117 Resp: 475617
Ion Ratio Lower Upper
117 100
82 66.7 55.8 83.6
119 31.5 25.5 38.3



#57
Chlorobenzene
Concen: 0.031 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.006 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:112 Resp: 1382
Ion Ratio Lower Upper
112 100
77 32.1 58.2 87.2#
114 41.8 29.1 35.5#

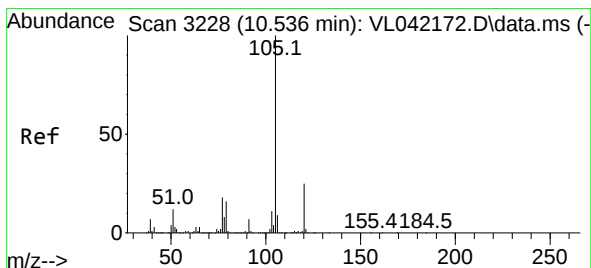
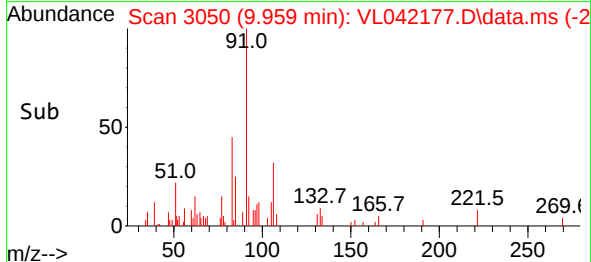
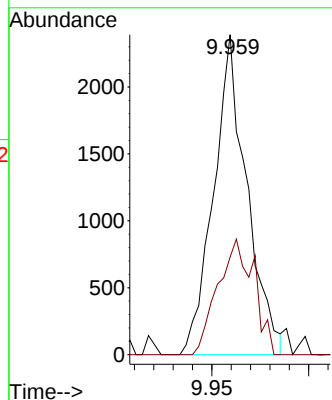
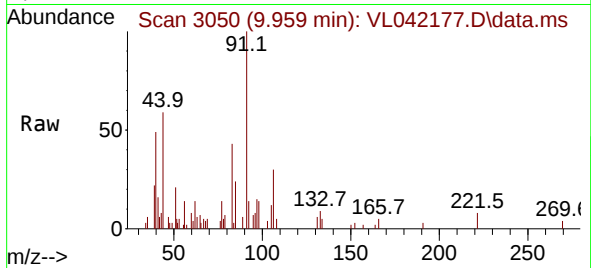




#60
o-Xylene
Concen: 0.042 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

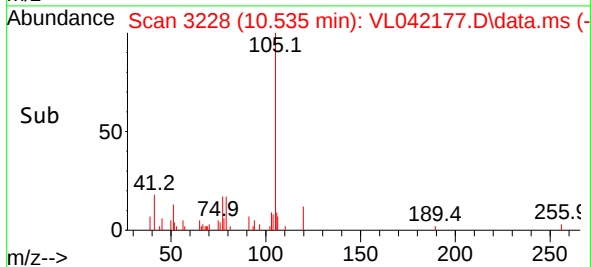
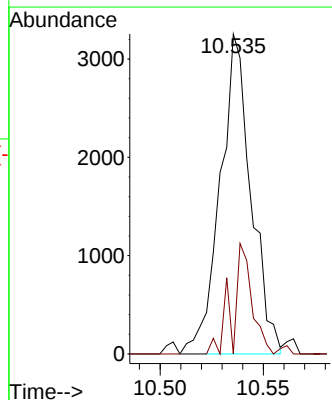
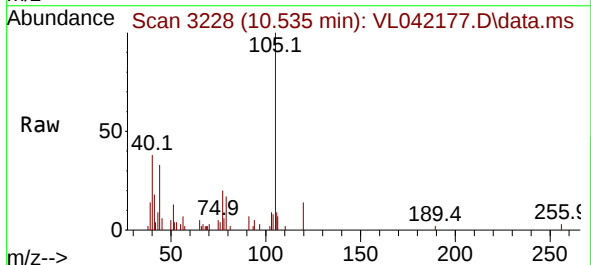
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

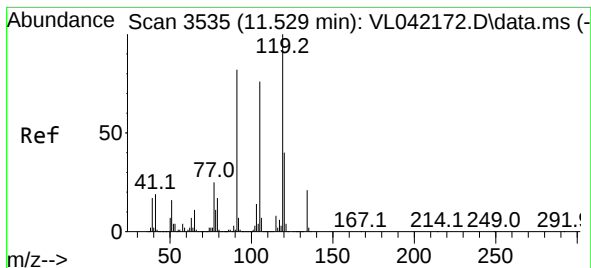
Tgt Ion: 91 Resp: 2844
Ion Ratio Lower Upper
91 100
106 39.4 20.8 62.5



#62
Isopropylbenzene
Concen: 0.033 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 105 Resp: 3380
Ion Ratio Lower Upper
105 100
120 22.3 19.9 29.9

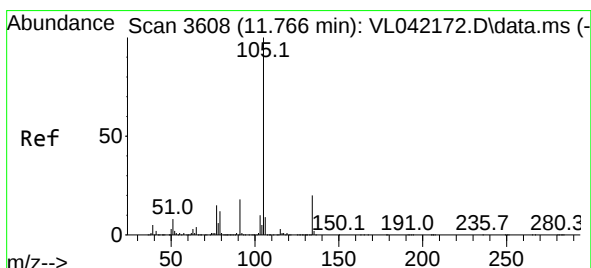
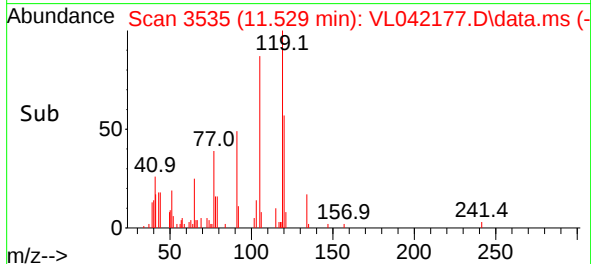
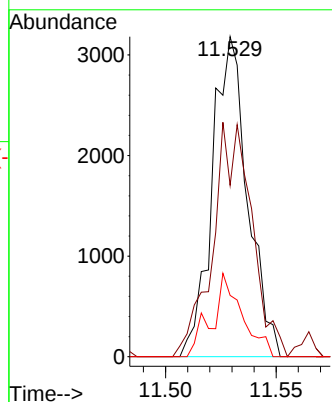
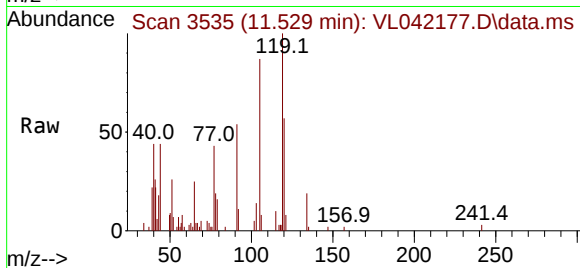




#65
tert-Butylbenzene
Concen: 0.038 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

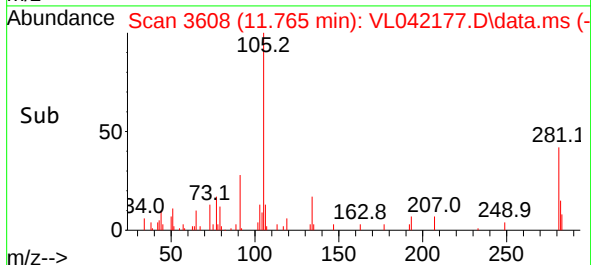
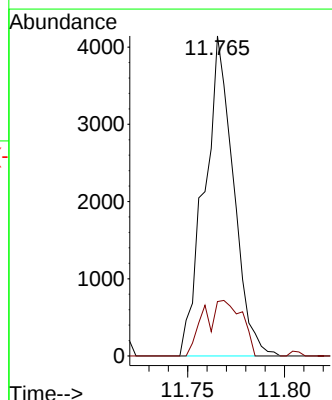
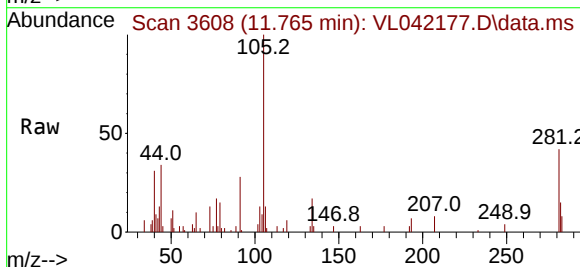
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

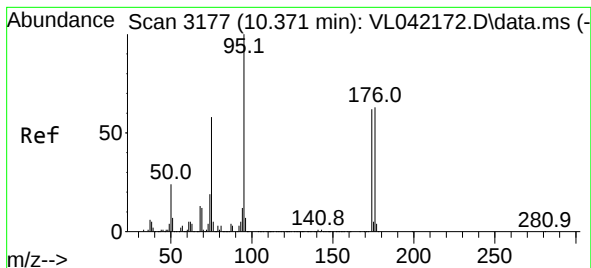
Tgt Ion:119 Resp: 3543
Ion Ratio Lower Upper
119 100
91 83.5 66.0 99.0
134 22.4 16.7 25.1



#67
sec-Butylbenzene
Concen: 0.033 ppbv
RT: 11.765 min Scan# 3608
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:105 Resp: 4317
Ion Ratio Lower Upper
105 100
134 22.8 15.5 23.3

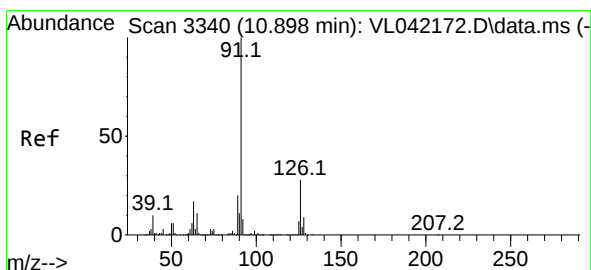
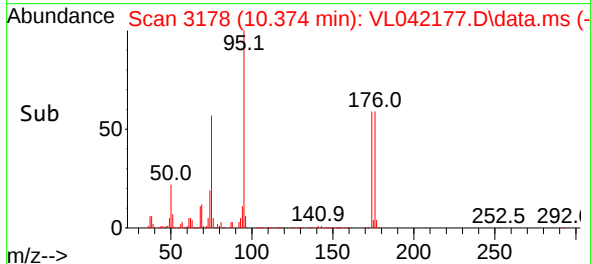
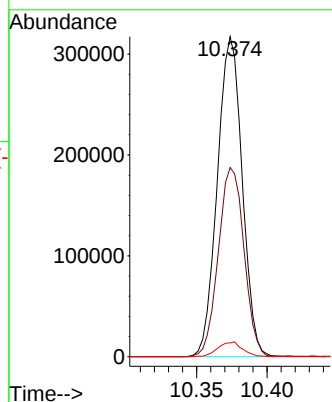
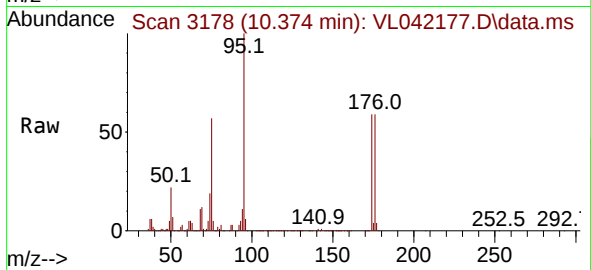




#68
1-Bromo-4-Fluorobenzene
Concen: 9.983 ppbv
RT: 10.374 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

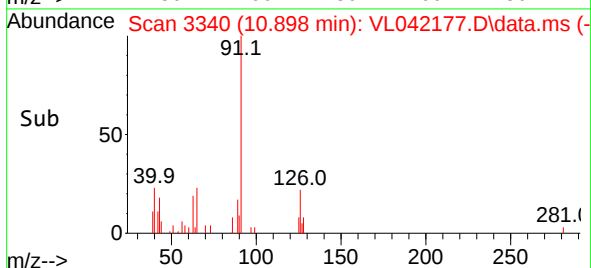
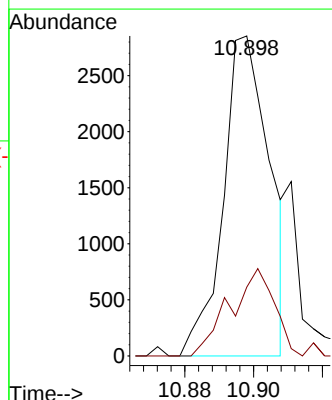
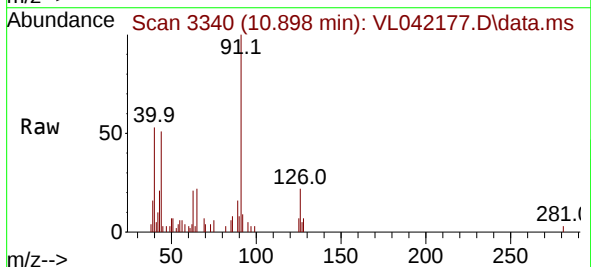
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

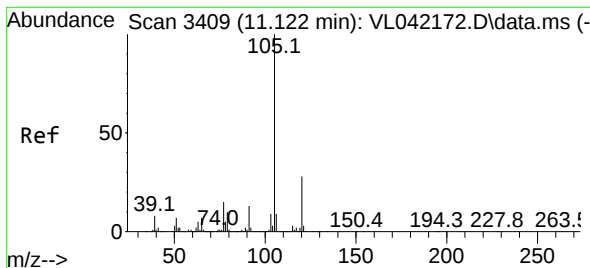
Tgt Ion: 95 Resp: 389935
Ion Ratio Lower Upper
95 100
174 61.2 50.6 76.0
175 4.6 3.8 5.6



#71
2-Chlorotoluene
Concen: 0.034 ppbv
RT: 10.898 min Scan# 3340
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 91 Resp: 2666
Ion Ratio Lower Upper
91 100
126 27.2 11.6 46.4

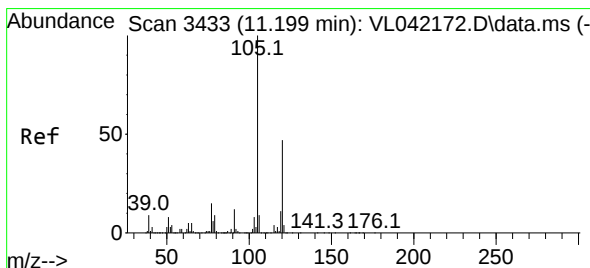
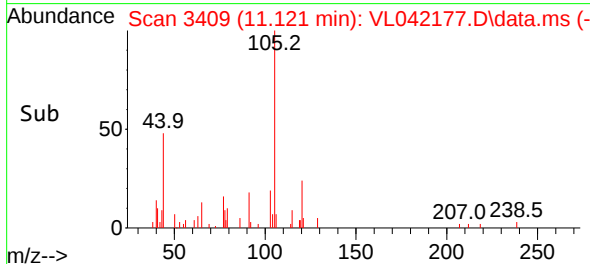
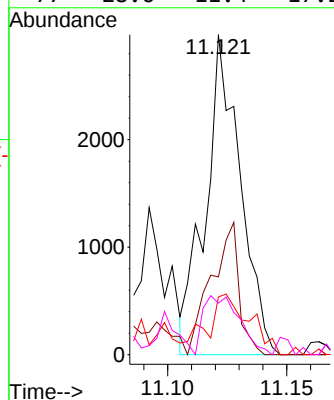
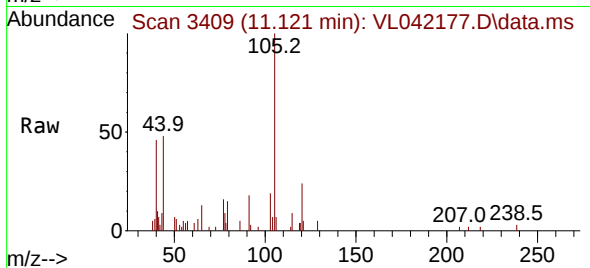




#72
4-Ethyltoluene
Concen: 0.036 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

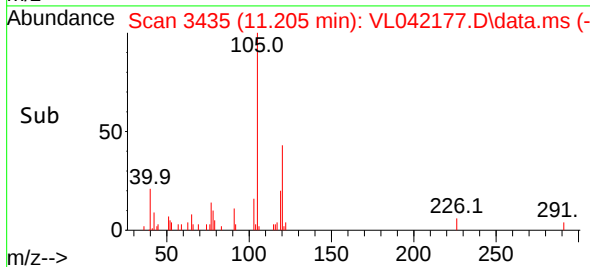
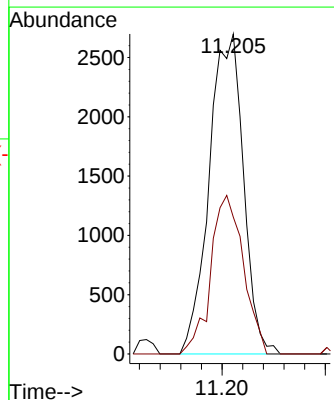
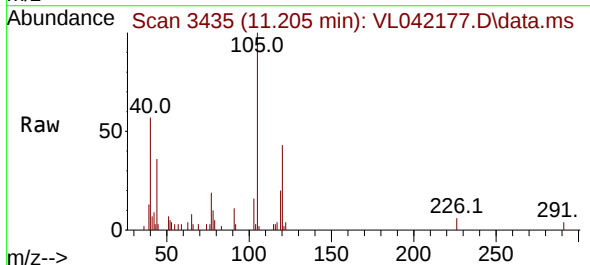
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

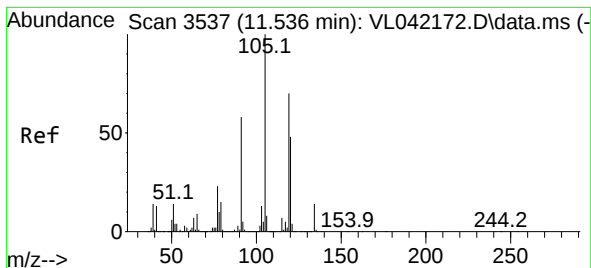
Tgt Ion:	105	Resp:	3017
Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.4	35.0#
91	34.0	10.3	15.5#
77	28.6	11.4	17.2#



#73
1,3,5-Trimethylbenzene
Concen: 0.042 ppbv
RT: 11.205 min Scan# 3435
Delta R.T. 0.006 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:	105	Resp:	3101
Ion	Ratio	Lower	Upper
105	100		
120	42.8	37.4	56.0





#74

1,2,4-Trimethylbenzene

Concen: 0.063 ppbv

RT: 11.539 min Scan# 3537

Delta R.T. 0.003 min

Lab File: VL042177.D

Acq: 27 Mar 2025 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion:105 Resp: 5313

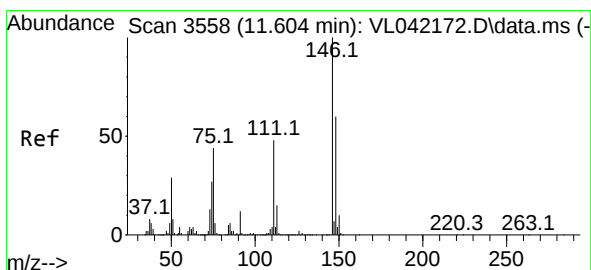
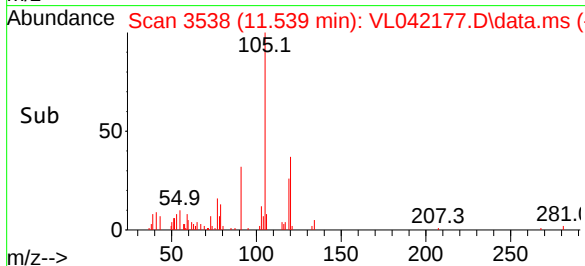
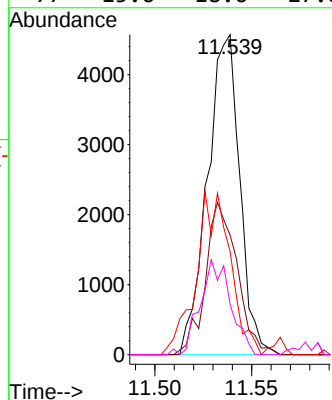
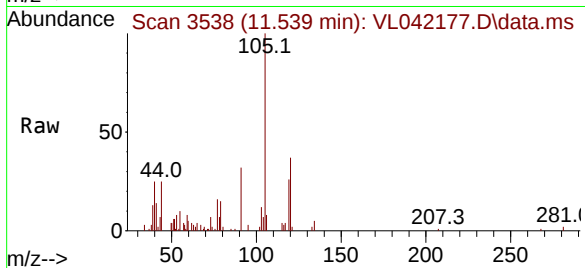
Ion Ratio Lower Upper

105 100

120 37.3 38.6 58.0#

91 26.8 46.2 69.2#

77 15.6 18.6 27.8#



#75

1,3-Dichlorobenzene

Concen: 0.034 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL042177.D

Acq: 27 Mar 2025 11:03

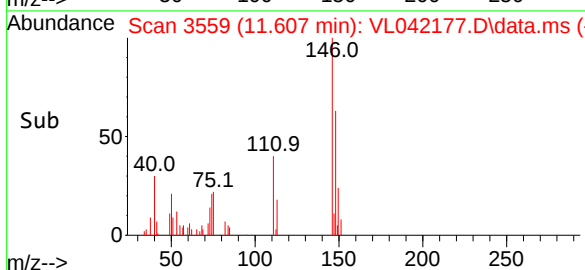
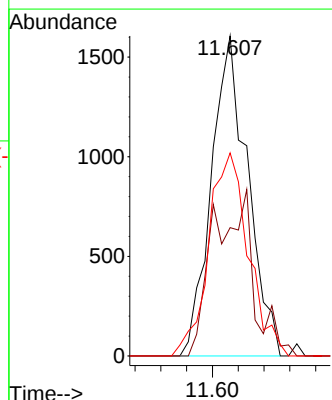
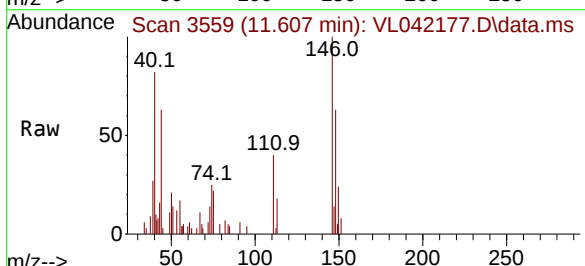
Tgt Ion:146 Resp: 1577

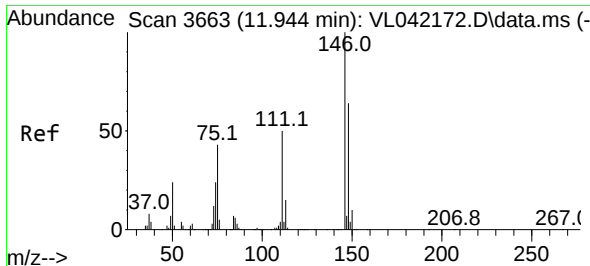
Ion Ratio Lower Upper

146 100

111 56.6 23.8 71.2

148 69.2 31.9 95.9

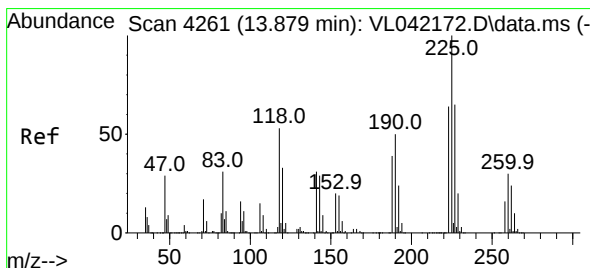
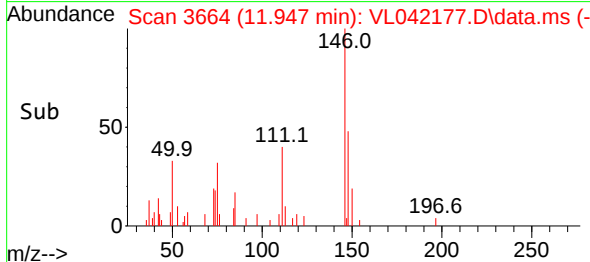
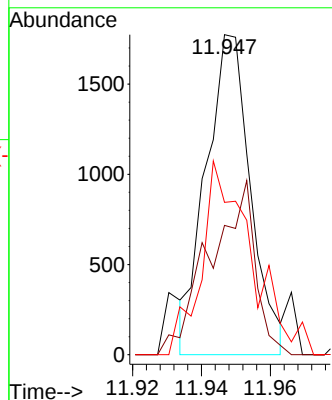
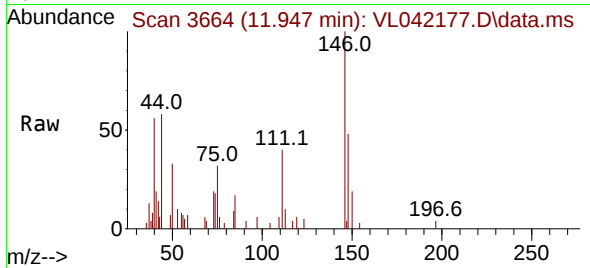




#77
 1,2-Dichlorobenzene
 Concen: 0.035 ppbv
 RT: 11.947 min Scan# 3664
 Delta R.T. 0.003 min
 Lab File: VL042177.D
 Acq: 27 Mar 2025 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion:	146	Resp:	1591
Ion Ratio	Lower	Upper	
146	100		
111	55.6	24.8	74.3
148	68.3	31.6	94.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.040 ppbv
 RT: 13.882 min Scan# 4262
 Delta R.T. 0.003 min
 Lab File: VL042177.D
 Acq: 27 Mar 2025 11:03

Tgt Ion:	225	Resp:	1821
Ion Ratio	Lower	Upper	
225	100		
223	59.6	50.6	76.0
227	58.0	51.2	76.8

