

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032197.D
 Acq On : 18 Sep 2025 14:20
 Operator : SY/MD
 Sample : Q3133-01
 Misc : 5.33g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-238

Quant Time: Sep 19 04:33:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

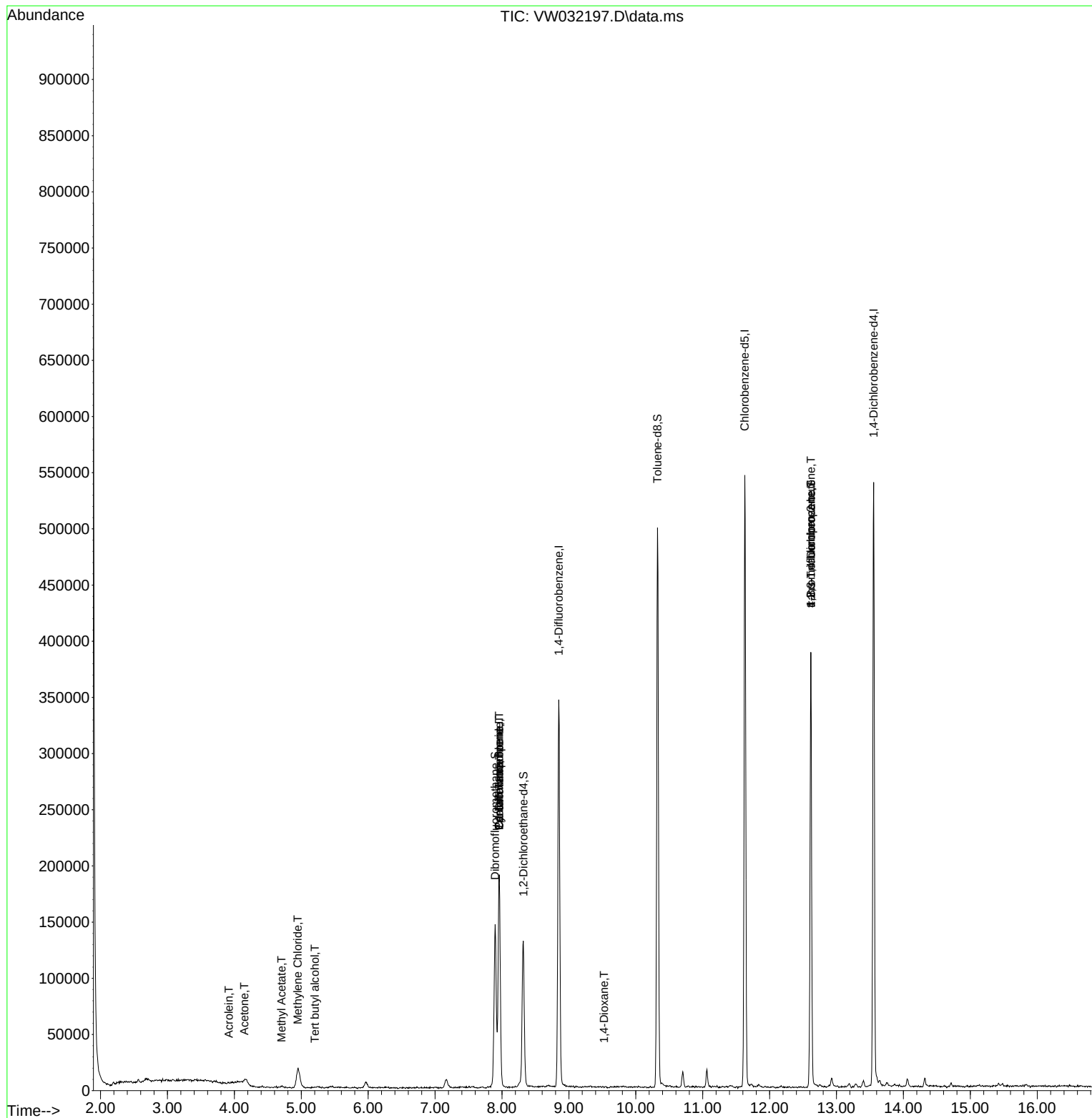
Internal Standards						
1) Pentafluorobenzene	7.959	168	128370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	279350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	281723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	130242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107826	58.733	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 117.460%		
35) Dibromofluoromethane	7.898	113	100066	51.057	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 102.120%		
50) Toluene-d8	10.325	98	329809	47.936	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 95.880%		
62) 4-Bromofluorobenzene	12.617	95	119594	47.007	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 94.020%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.204	59	232	2.066	ug/l #	55
13) Acrolein	3.917	56	204	1.182	ug/l #	38
16) Acetone	4.149	43	3213	8.081	ug/l #	48
18) Methyl Acetate	4.704	43	2654	2.095	ug/l #	77
20) Methylene Chloride	4.948	84	15489	6.082	ug/l	91
31) Cyclohexane	7.959	56	3878	1.721	ug/l #	51
36) 1,1-Dichloropropene	7.959	75	11963	4.708	ug/l #	51
38) Carbon Tetrachloride	7.959	117	15315	5.622	ug/l #	18
49) 1,4-Dioxane	9.526	88	47	2.929	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	68170	41.779	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	68170	112.489	ug/l #	5

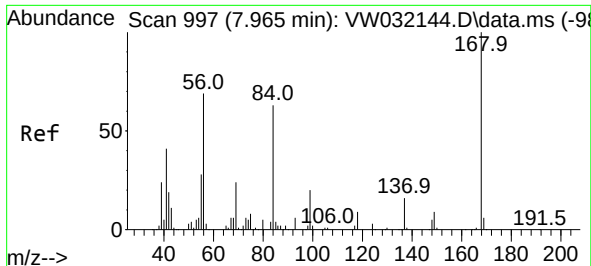
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
Data File : VW032197.D
Acq On : 18 Sep 2025 14:20
Operator : SY/MD
Sample : Q3133-01
Misc : 5.33g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VNJ-238

Quant Time: Sep 19 04:33:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

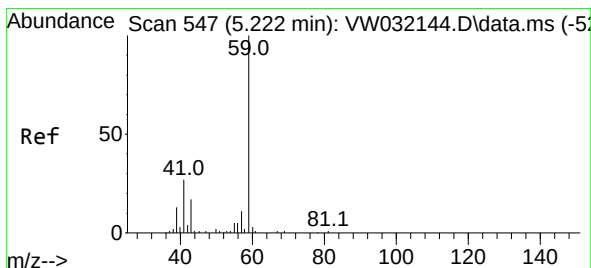
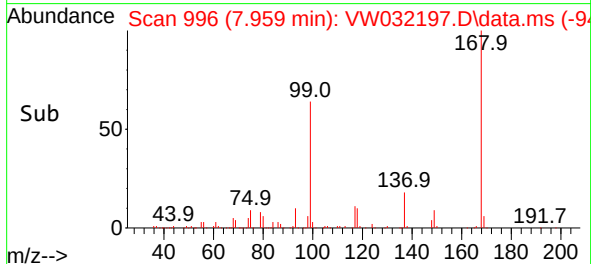
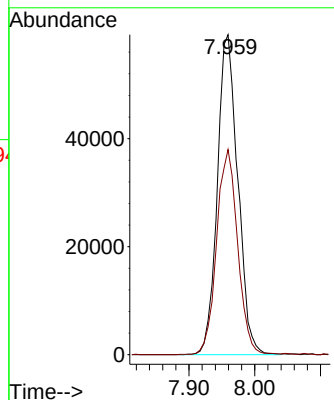
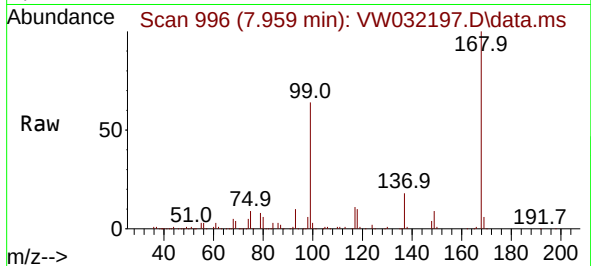




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

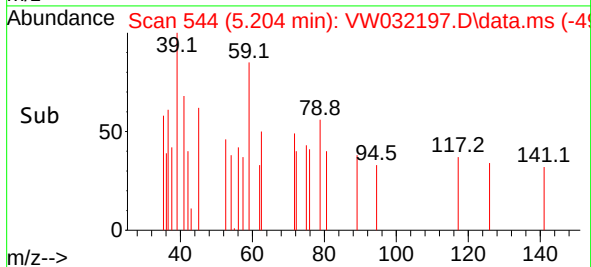
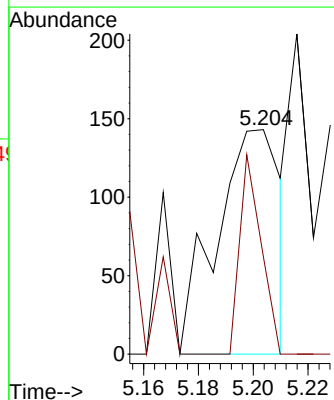
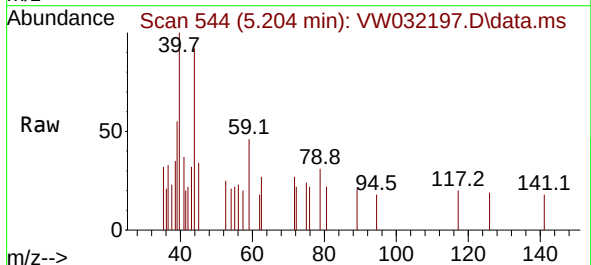
Instrument :
MSVOA_W
ClientSampleId :
VNJ-238

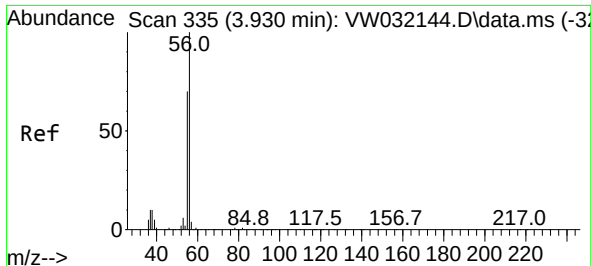
Tgt Ion:168 Resp: 128370
Ion Ratio Lower Upper
168 100
99 64.0 49.3 73.9



#11
Tert butyl alcohol
Concen: 2.066 ug/l
RT: 5.204 min Scan# 544
Delta R.T. -0.018 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
57 29.7 9.8 14.6#





#13

Acrolein

Concen: 1.182 ug/l

RT: 3.917 min Scan# 31

Delta R.T. -0.012 min

Lab File: VW032197.D

Acq: 18 Sep 2025 14:20

Instrument :

MSVOA_W

ClientSampleId :

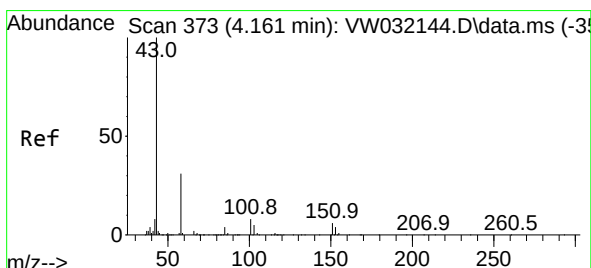
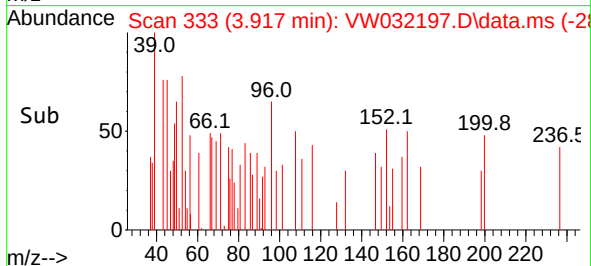
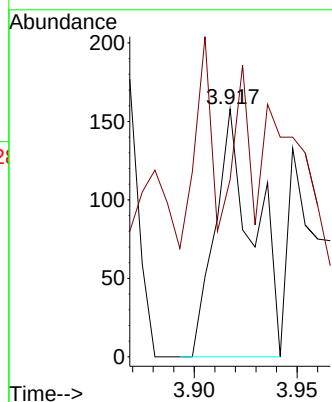
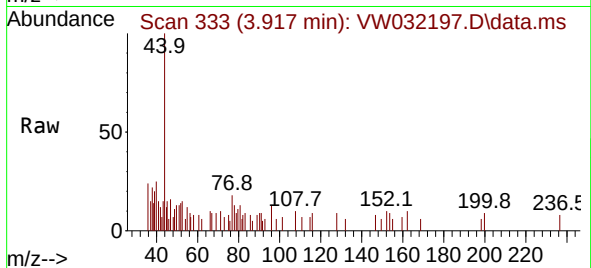
VNJ-238

Tgt Ion: 56 Resp: 204

Ion Ratio Lower Upper

56 100

55 19.6 56.4 84.6#



#16

Acetone

Concen: 8.081 ug/l

RT: 4.149 min Scan# 371

Delta R.T. -0.012 min

Lab File: VW032197.D

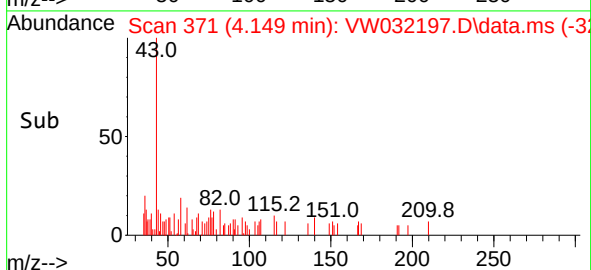
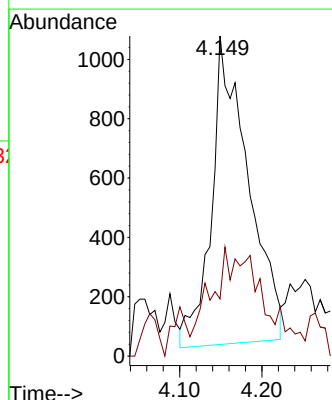
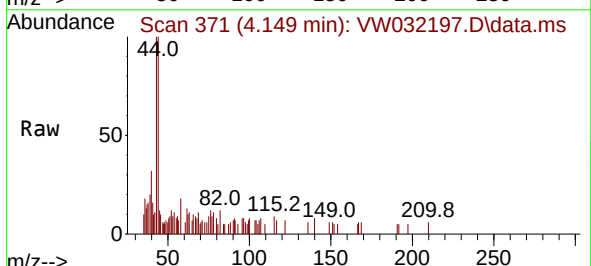
Acq: 18 Sep 2025 14:20

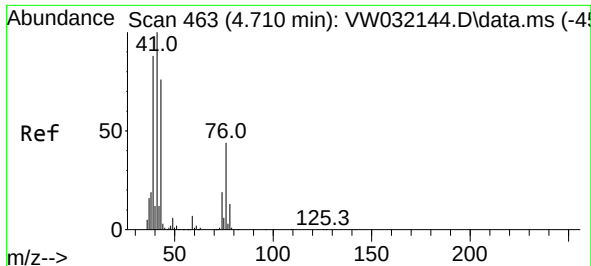
Tgt Ion: 43 Resp: 3213

Ion Ratio Lower Upper

43 100

58 2.7 25.3 37.9#

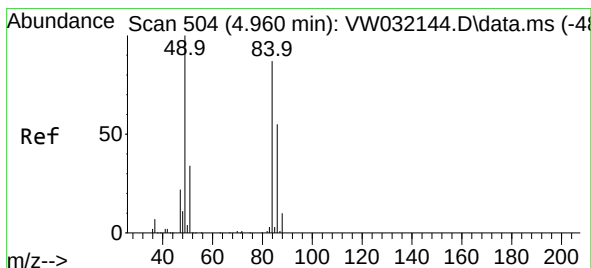
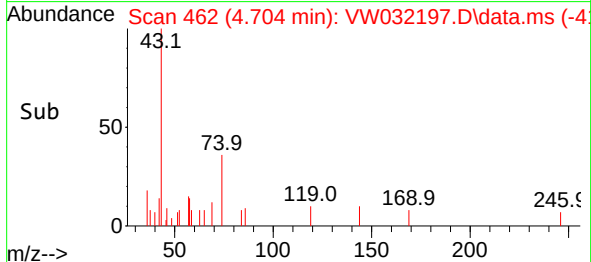
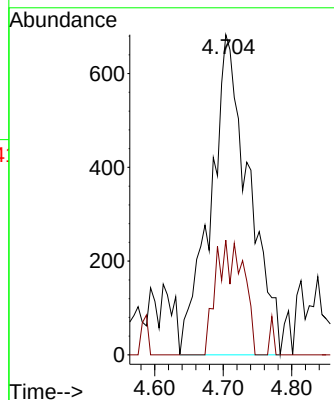
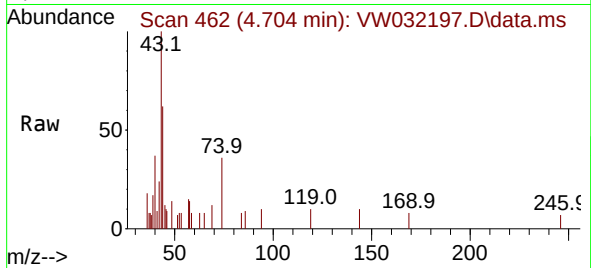




#18
Methyl Acetate
Concen: 2.095 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

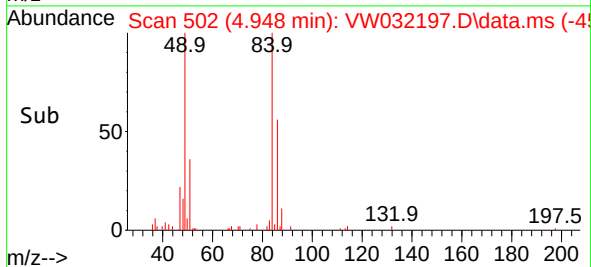
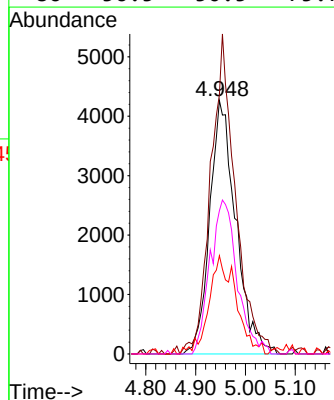
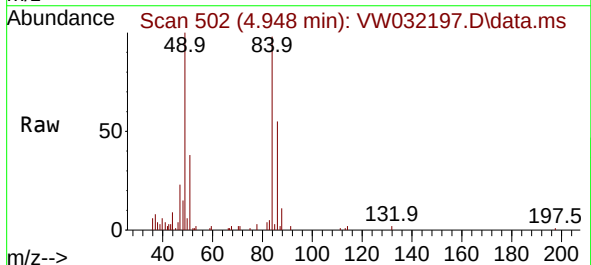
Instrument :
MSVOA_W
ClientSampleId :
VNJ-238

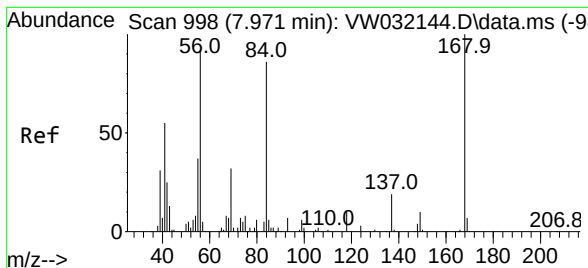
Tgt Ion: 43 Resp: 2654
Ion Ratio Lower Upper
43 100
74 13.6 20.2 30.4#



#20
Methylene Chloride
Concen: 6.082 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

Tgt Ion: 84 Resp: 15489
Ion Ratio Lower Upper
84 100
49 102.3 92.2 138.4
51 38.7 31.0 46.6
86 56.5 50.5 75.7

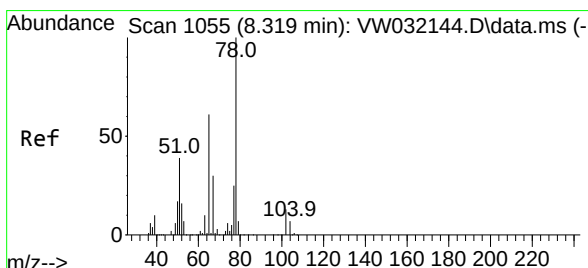
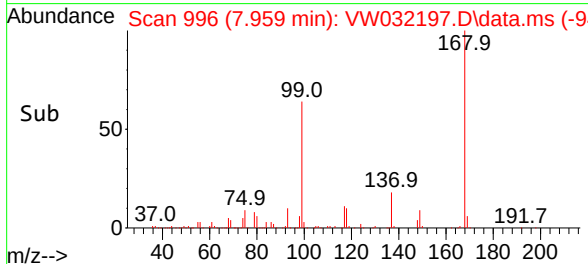
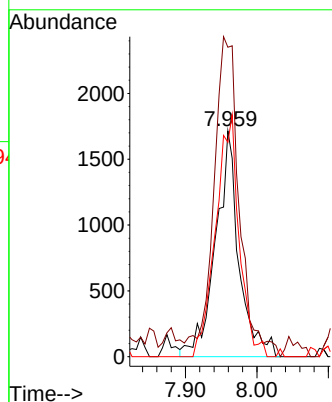
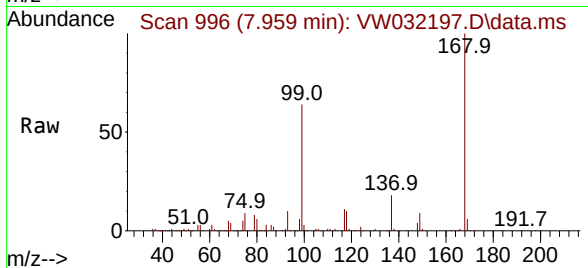




#31
Cyclohexane
Concen: 1.721 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

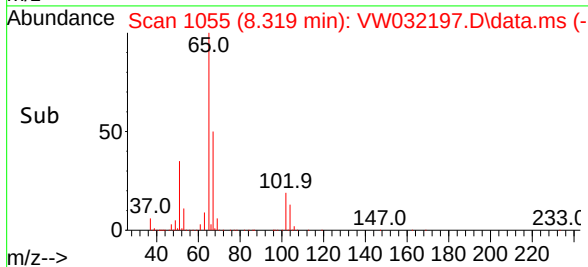
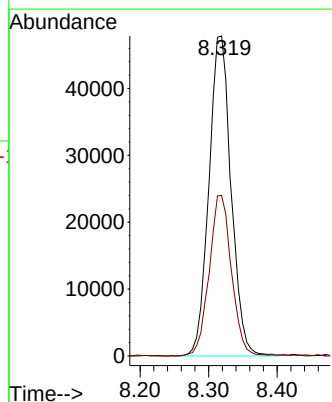
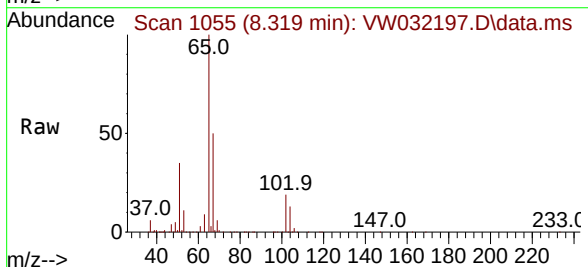
Instrument :
MSVOA_W
ClientSampleId :
VNJ-238

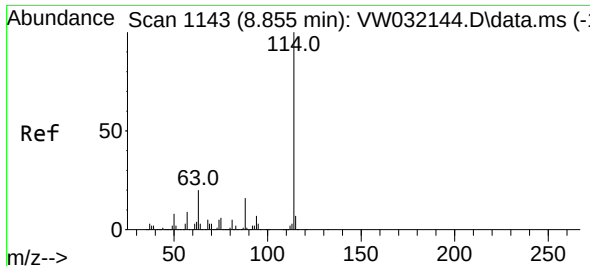
Tgt Ion: 56 Resp: 3878
Ion Ratio Lower Upper
56 100
69 137.1 27.7 41.5#
84 95.0 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 58.733 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

Tgt Ion: 65 Resp: 107826
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.6

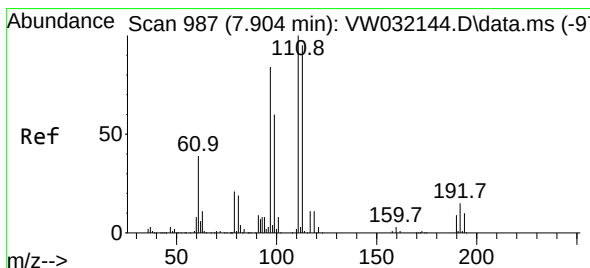
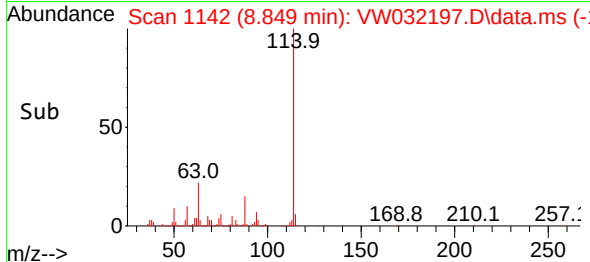
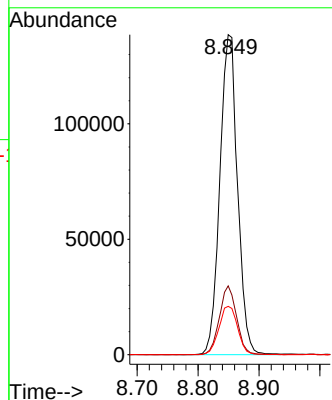
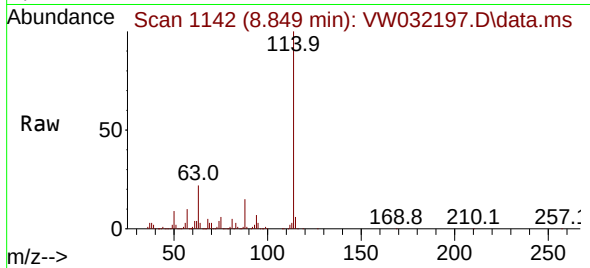




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

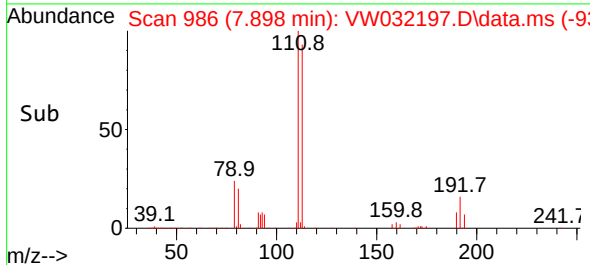
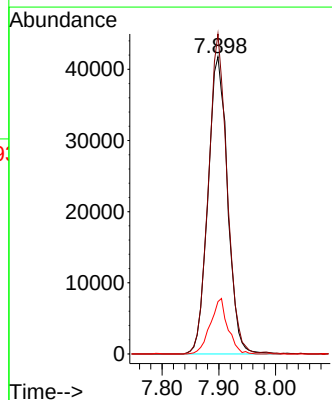
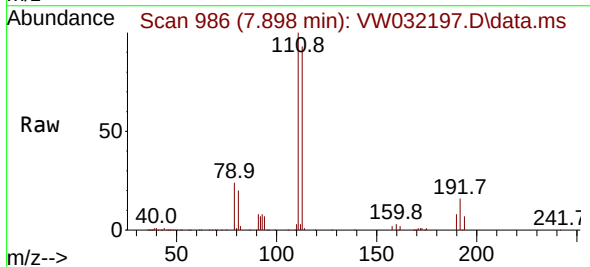
Instrument :
MSVOA_W
ClientSampleId :
VNJ-238

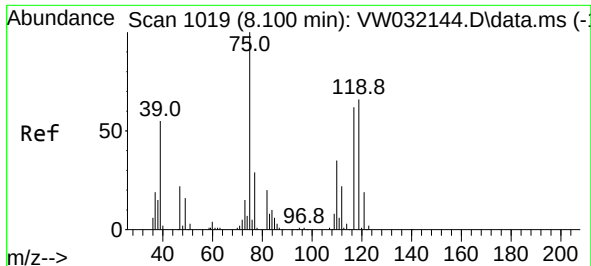
Tgt Ion:114 Resp: 279350
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.4
88 15.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.057 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

Tgt Ion:113 Resp: 100066
Ion Ratio Lower Upper
113 100
111 102.8 83.9 125.9
192 16.7 14.6 21.8

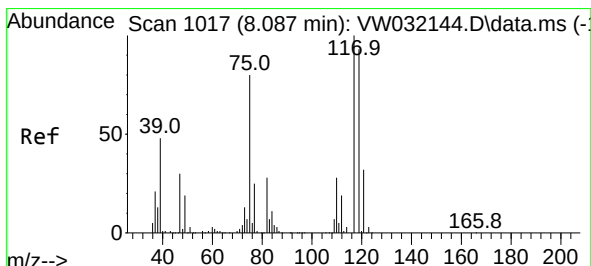
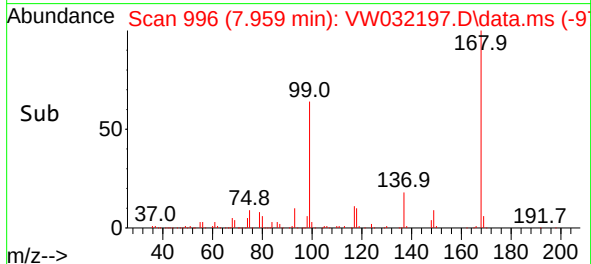
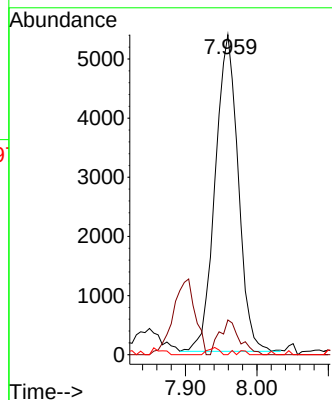
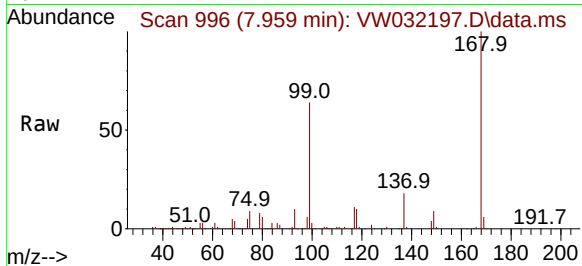




#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032197.D
 Acq: 18 Sep 2025 14:20

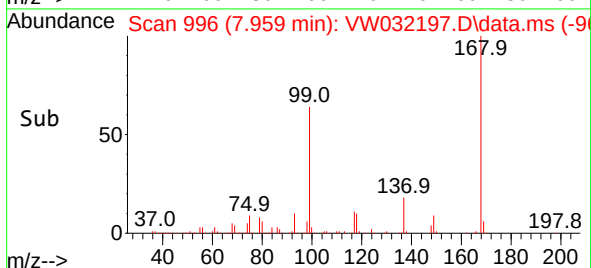
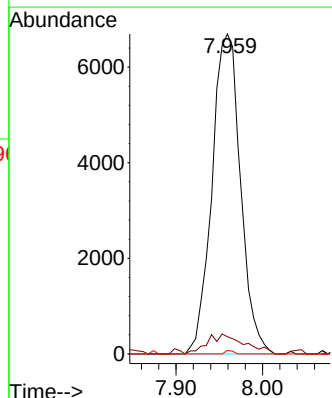
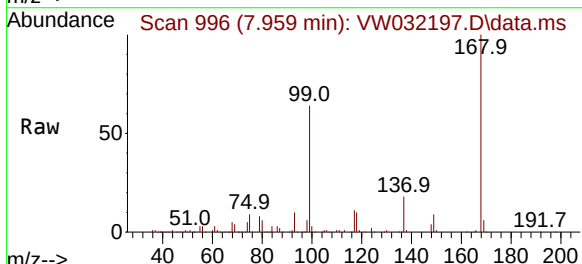
Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-238

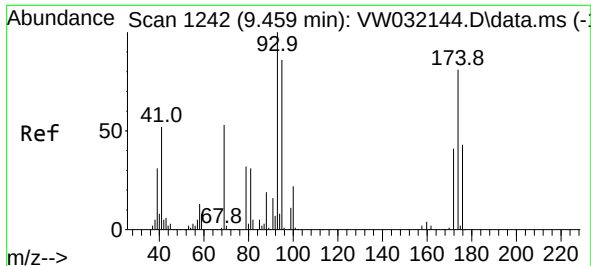
Tgt Ion: 75 Resp: 11963
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.5 52.5#
 77 0.6 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.622 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.128 min
 Lab File: VW032197.D
 Acq: 18 Sep 2025 14:20

Tgt Ion: 117 Resp: 15315
 Ion Ratio Lower Upper
 117 100
 119 5.4 74.2 111.2#
 121 1.1 25.6 38.4#





#49

1,4-Dioxane

Concen: 2.929 ug/l

RT: 9.526 min Scan# 1253

Delta R.T. 0.067 min

Lab File: VW032197.D

Acq: 18 Sep 2025 14:20

Instrument :

MSVOA_W

ClientSampleId :

VNJ-238

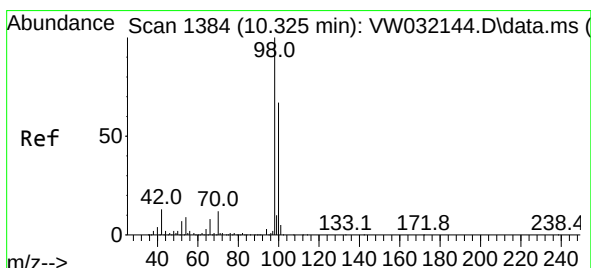
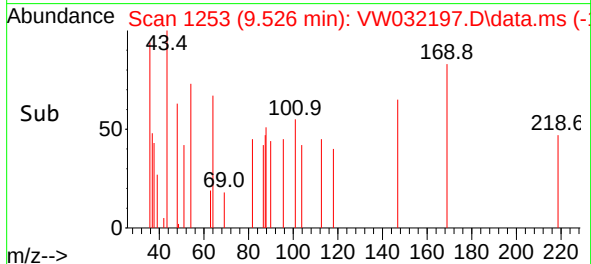
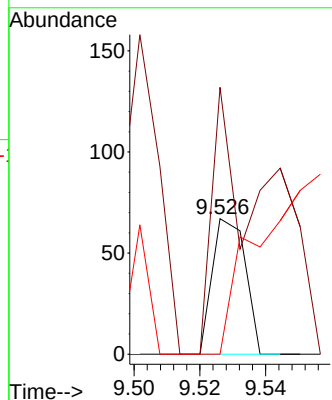
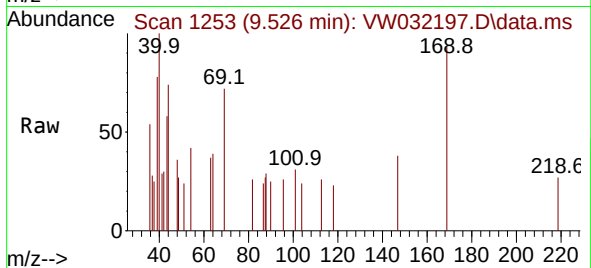
Tgt Ion: 88 Resp: 47

Ion Ratio Lower Upper

88 100

43 327.7 18.0 27.0#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 47.936 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032197.D

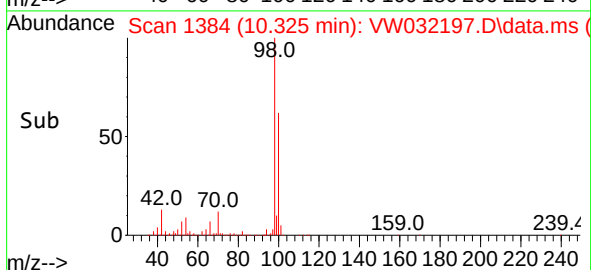
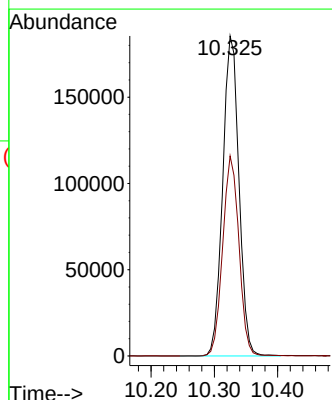
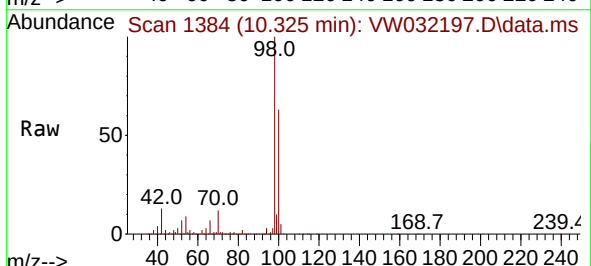
Acq: 18 Sep 2025 14:20

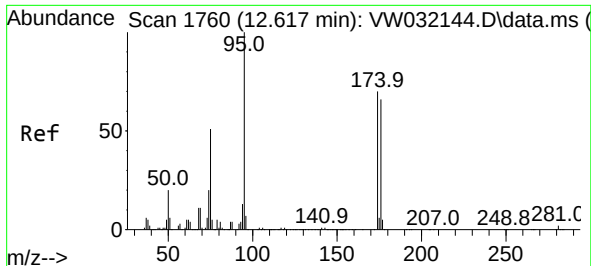
Tgt Ion: 98 Resp: 329809

Ion Ratio Lower Upper

98 100

100 62.4 51.4 77.2

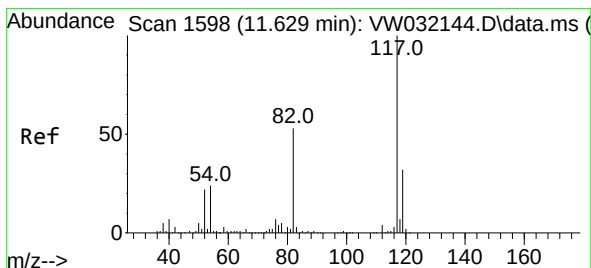
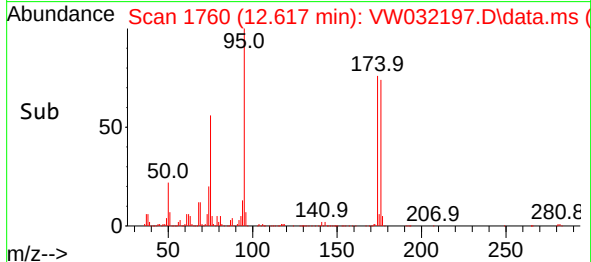
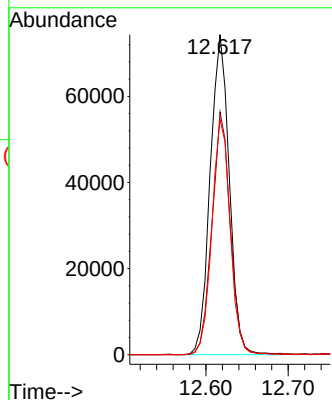
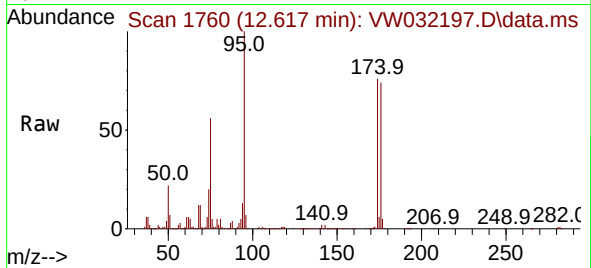




#62
4-Bromofluorobenzene
Concen: 47.007 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

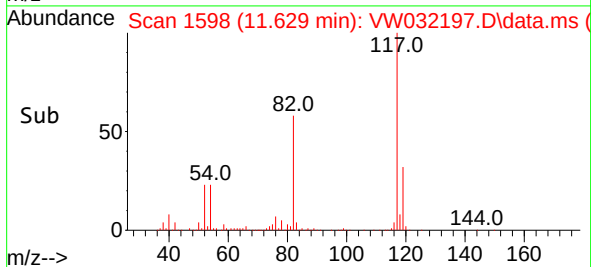
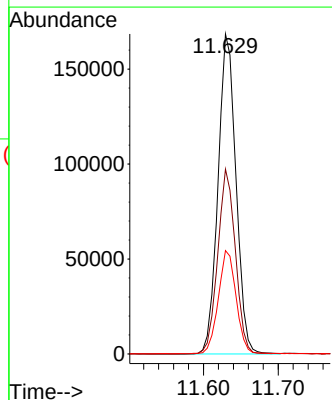
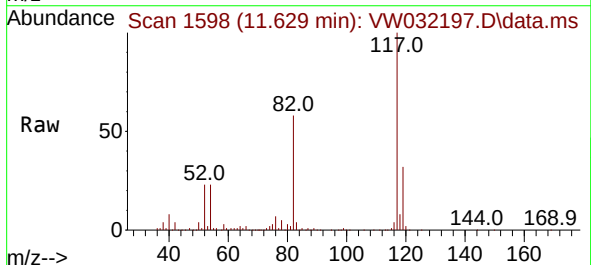
Instrument :
MSVOA_W
ClientSampleId :
VNJ-238

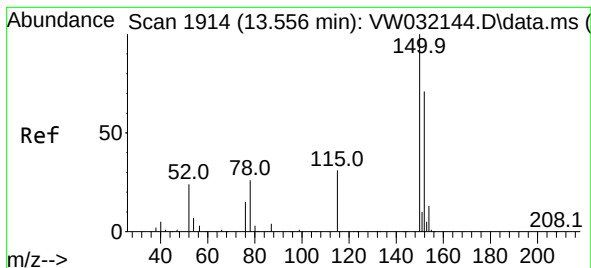
Tgt Ion: 95 Resp: 119594
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.6
176 70.7 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032197.D
Acq: 18 Sep 2025 14:20

Tgt Ion: 117 Resp: 281723
Ion Ratio Lower Upper
117 100
82 57.8 42.7 64.1
119 32.2 25.2 37.8

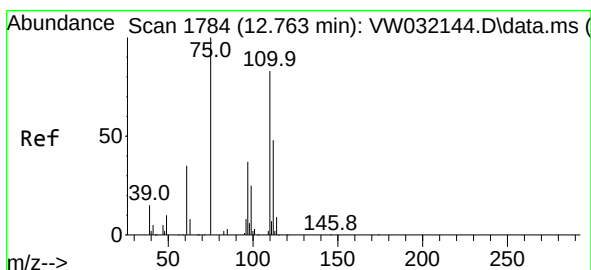
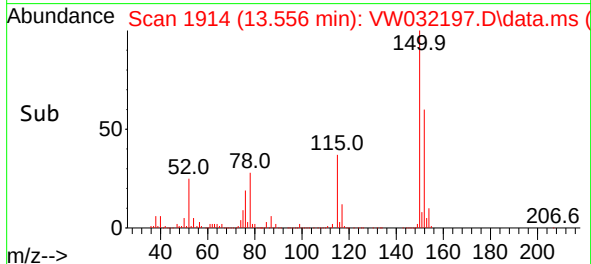
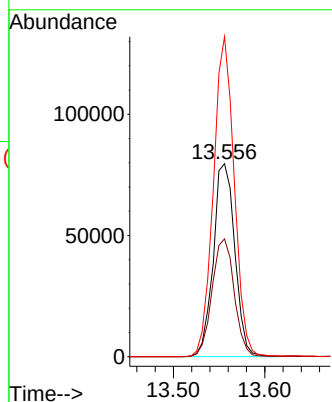
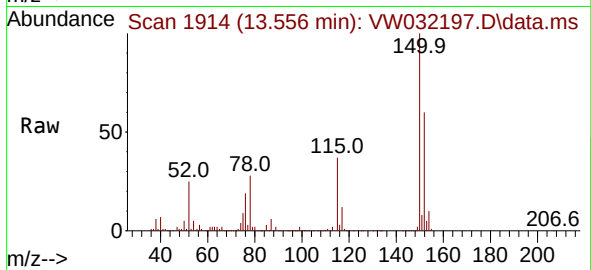




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032197.D
 Acq: 18 Sep 2025 14:20

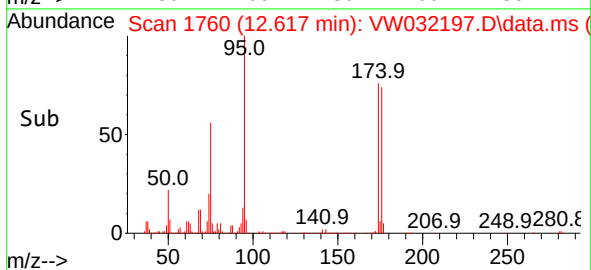
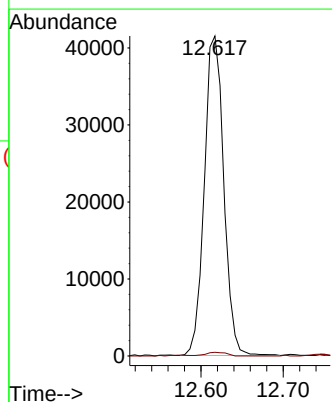
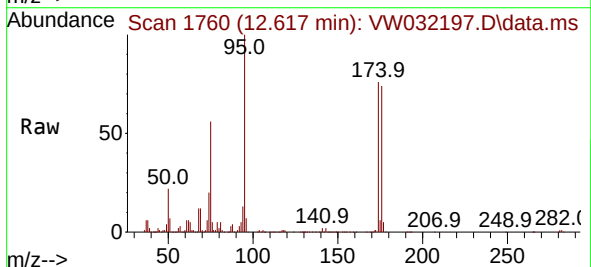
Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-238

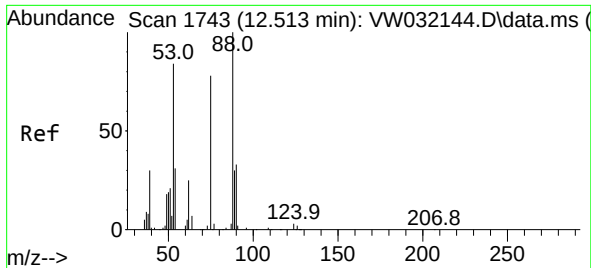
Tgt Ion:152 Resp: 130242
 Ion Ratio Lower Upper
 152 100
 115 62.9 31.8 95.4
 150 160.6 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 41.779 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032197.D
 Acq: 18 Sep 2025 14:20

Tgt Ion: 75 Resp: 68170
 Ion Ratio Lower Upper
 75 100
 77 1.3 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.489 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032197.D
 Acq: 18 Sep 2025 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-238

Tgt Ion: 75 Resp: 68170
 Ion Ratio Lower Upper
 75 100
 53 0.2 91.0 136.6#
 89 0.1 39.4 59.2#

