

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090925\
 Data File : VY023316.D
 Acq On : 09 Sep 2025 10:59
 Operator : SY/MD
 Sample : Q3048-01
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-258

Quant Time: Sep 10 01:52:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

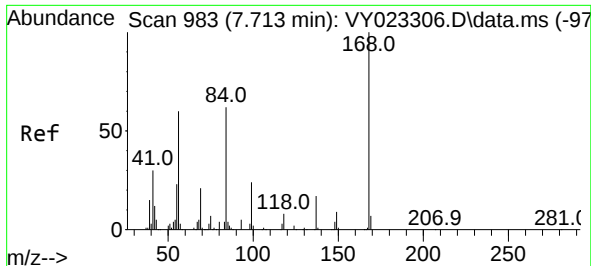
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	364698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	638804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	561369	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	215683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	178319	55.644	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.280%	
35) Dibromofluoromethane	7.640	113	213031	54.556	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.120%	
50) Toluene-d8	10.109	98	743121	50.399	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.800%	
62) 4-Bromofluorobenzene	12.407	95	205817	44.356	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.720%	
Target Compounds						Qvalue
16) Acetone	3.878	43	778	1.066	ug/l #	68
20) Methylene Chloride	4.628	84	9639	2.468	ug/l #	85
31) Cyclohexane	7.707	56	6555	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	26307	4.730	ug/l #	50
38) Carbon Tetrachloride	7.713	117	35100	5.485	ug/l #	17
49) 1,4-Dioxane	9.292	88	33	1.367	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	104246	47.727	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	104246	130.157	ug/l #	14

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

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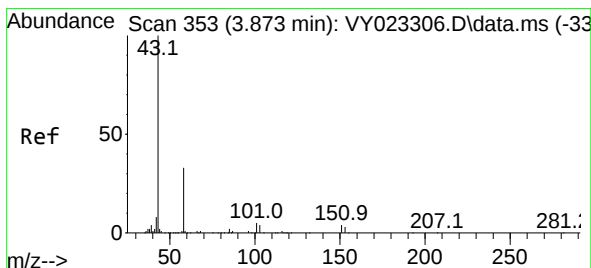
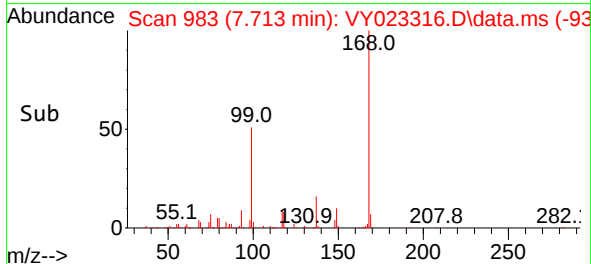
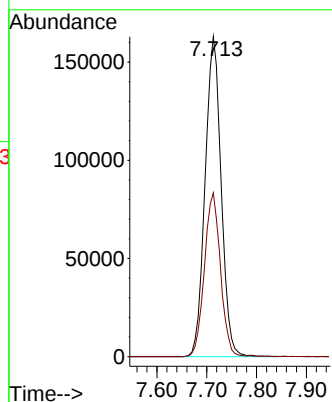
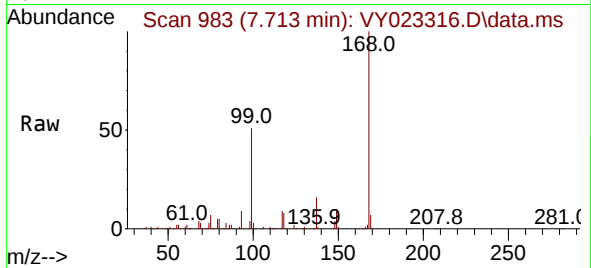




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023316.D
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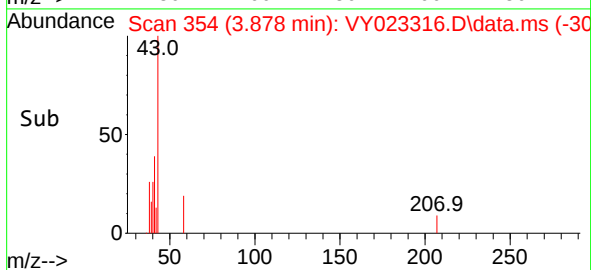
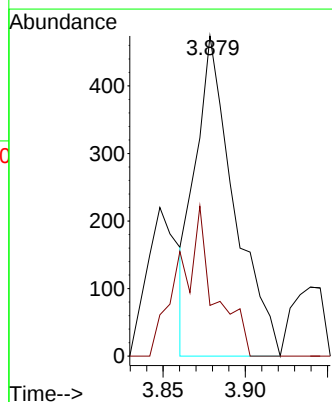
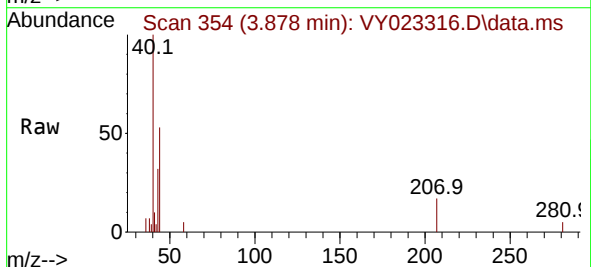
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-258

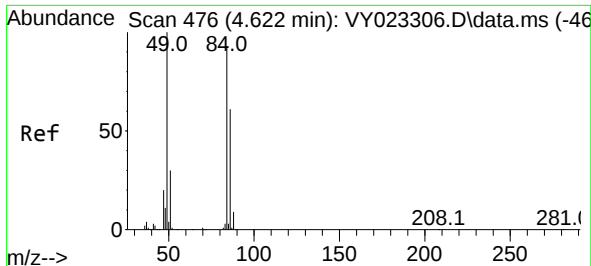
Tgt Ion:168 Resp: 364698
Ion Ratio Lower Upper
168 100
99 51.2 42.8 64.2



#16
Acetone
Concen: 1.066 ug/l
RT: 3.878 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
58 15.8 27.1 40.7#

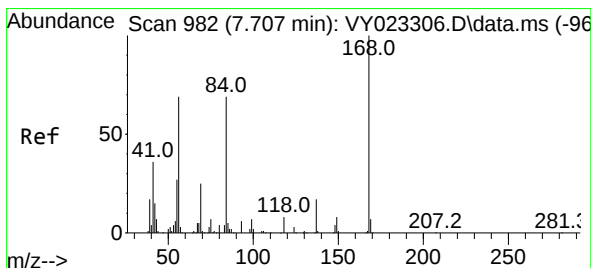
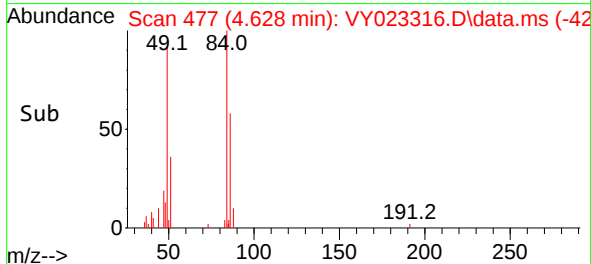
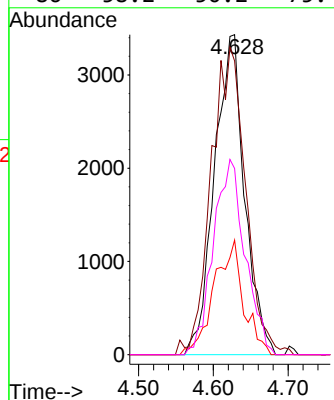
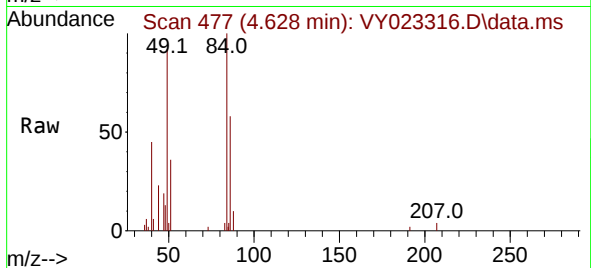




#20
Methylene Chloride
Concen: 2.468 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.024 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

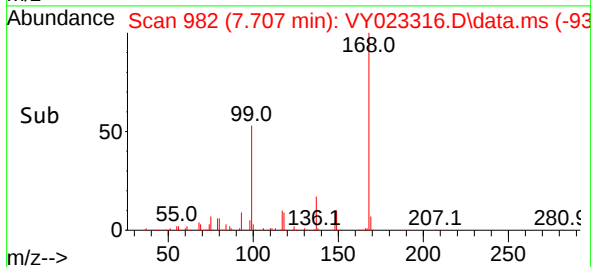
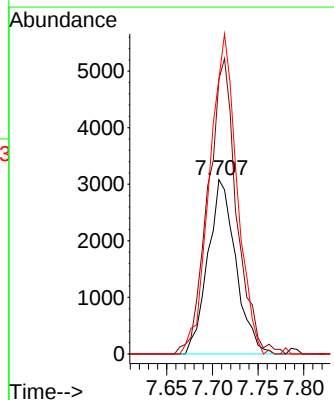
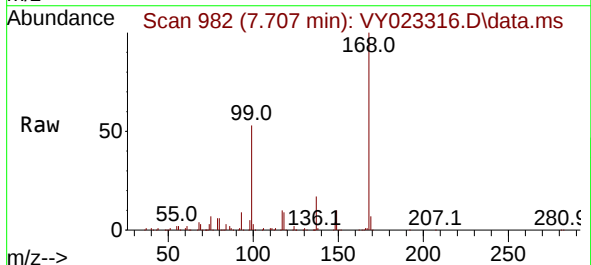
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-258

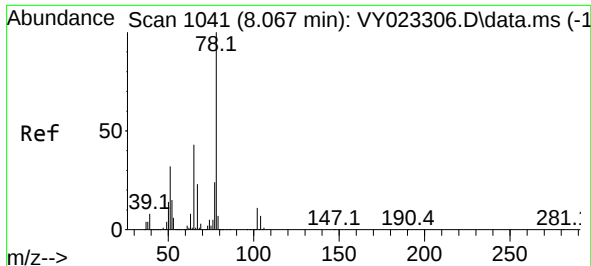
Tgt Ion:	84	Resp:	9639
Ion	Ratio	Lower	Upper
84	100		
49	90.1	93.0	139.6#
51	35.8	29.0	43.4
86	58.2	50.2	75.4



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023316.D
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Tgt Ion:	56	Resp:	6555
Ion	Ratio	Lower	Upper
56	100		
69	154.9	28.2	42.2#
84	157.8	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 55.644 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY023316.D

Acq: 09 Sep 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

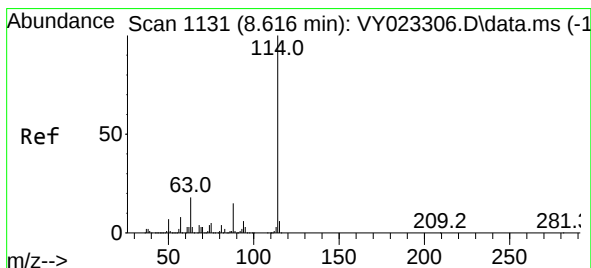
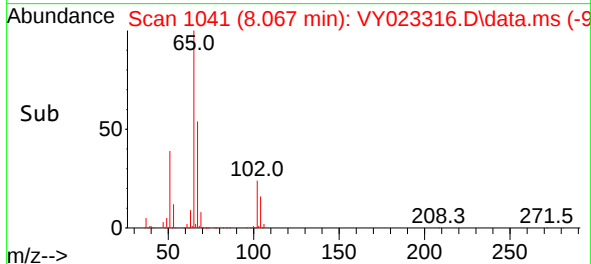
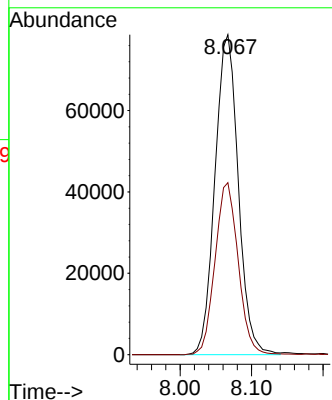
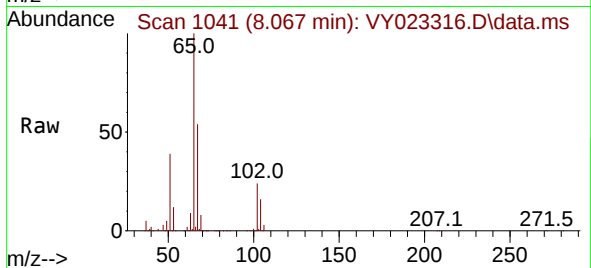
VNJ-258

Tgt Ion: 65 Resp: 178319

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023316.D

Acq: 09 Sep 2025 10:59

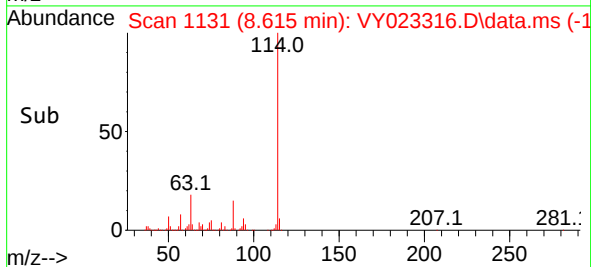
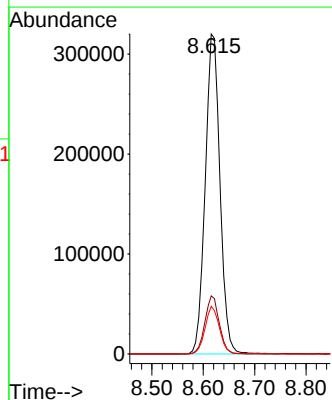
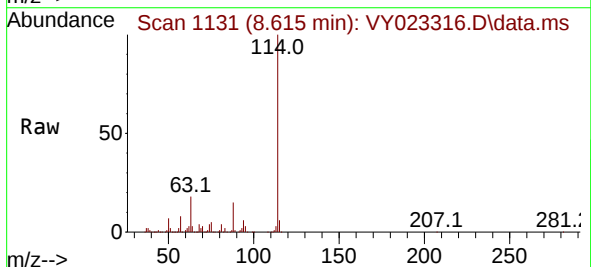
Tgt Ion: 114 Resp: 638804

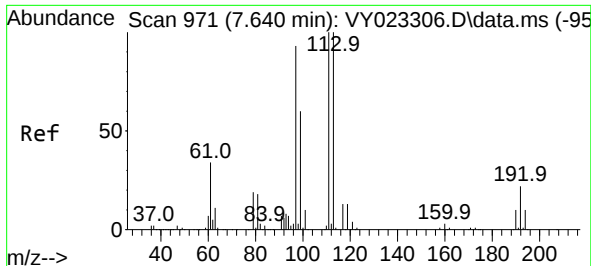
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 14.9 0.0 30.0

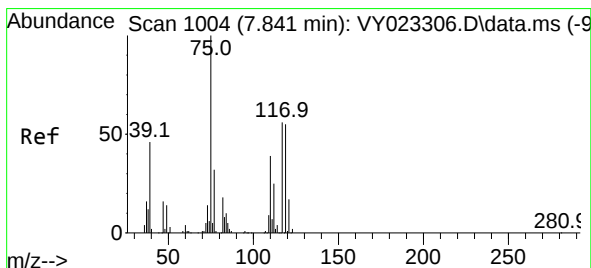
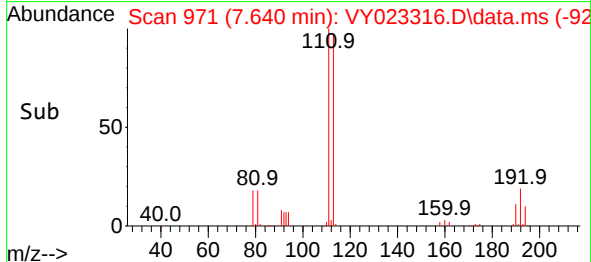
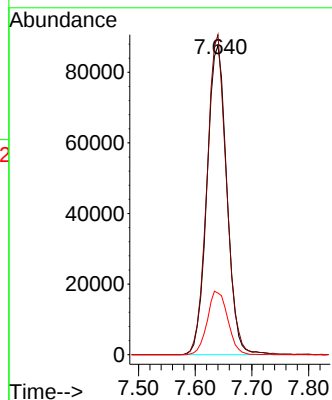
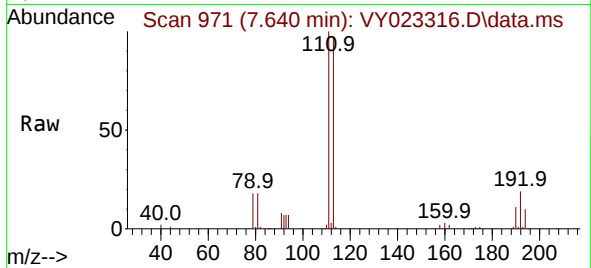




#35
Dibromofluoromethane
Concen: 54.556 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

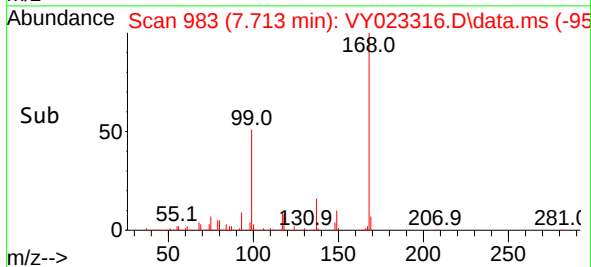
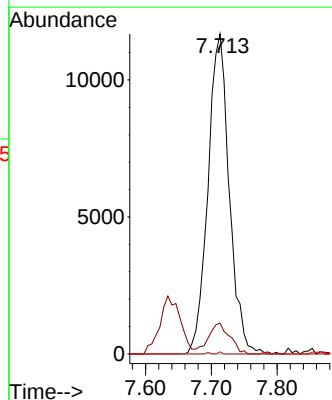
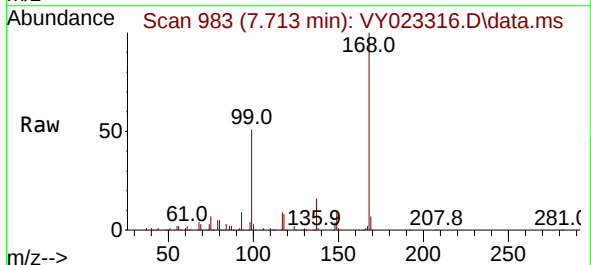
Instrument :
MSVOA_Y
ClientSampleId :
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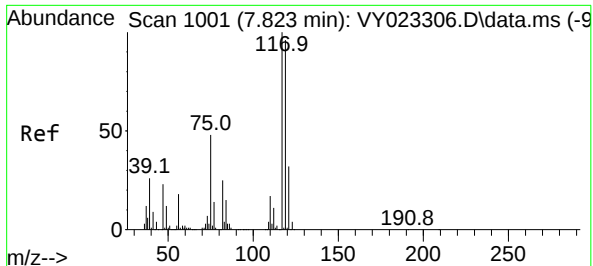
Tgt Ion:113 Resp: 213031
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 21.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.730 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

Tgt Ion: 75 Resp: 26307
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.1 24.6 37.0#

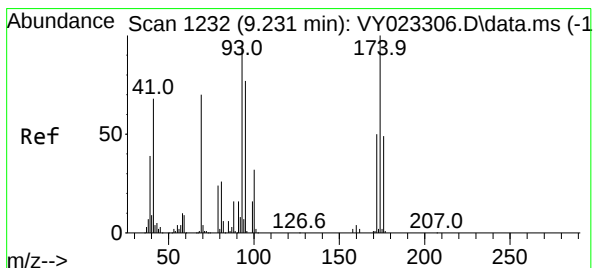
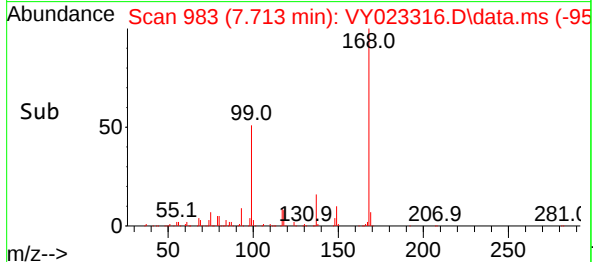
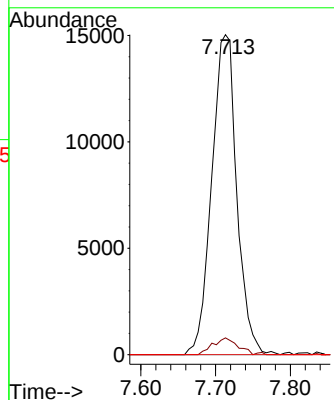
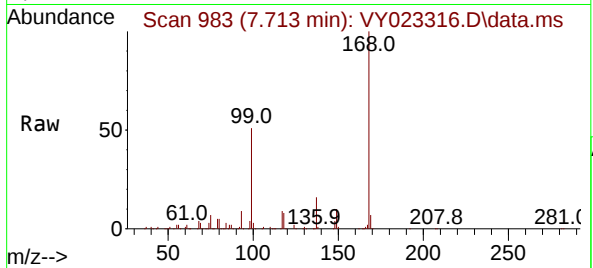




#38
Carbon Tetrachloride
Concen: 5.485 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

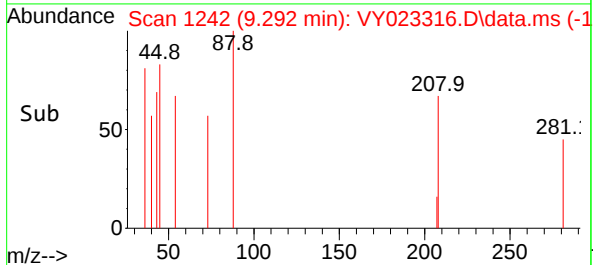
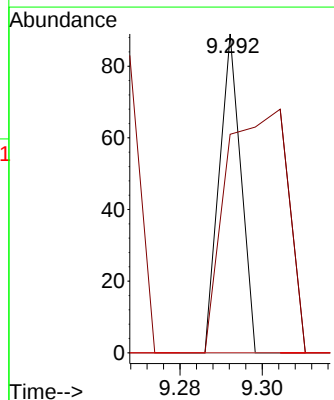
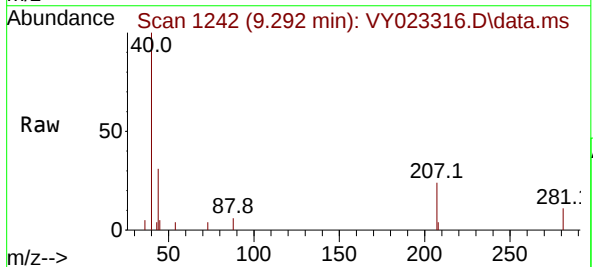
Instrument :
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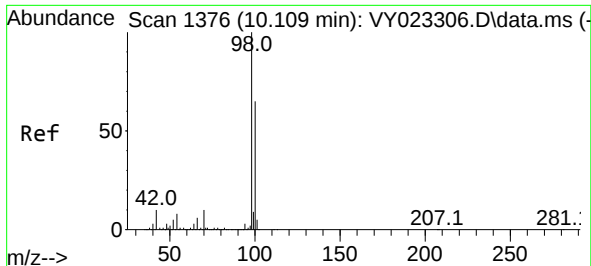
Tgt Ion:117 Resp: 35100
Ion Ratio Lower Upper
117 100
119 5.3 75.6 113.4#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 1.367 ug/l
RT: 9.292 min Scan# 1242
Delta R.T. 0.067 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

Tgt Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 212.1 24.3 36.5#
58 0.0 55.4 83.0#

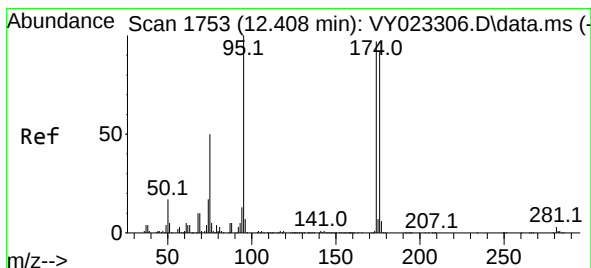
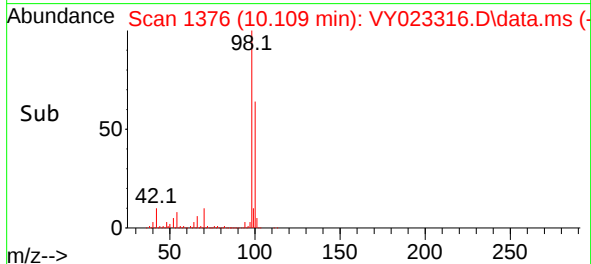
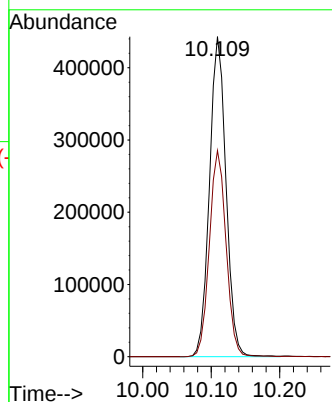
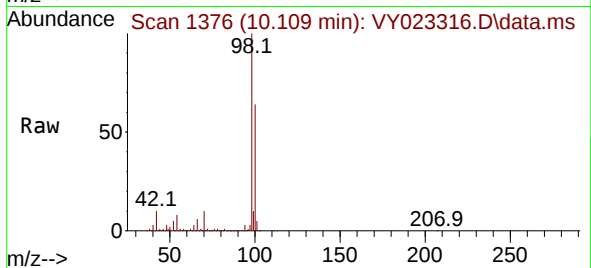




#50
Toluene-d8
Concen: 50.399 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

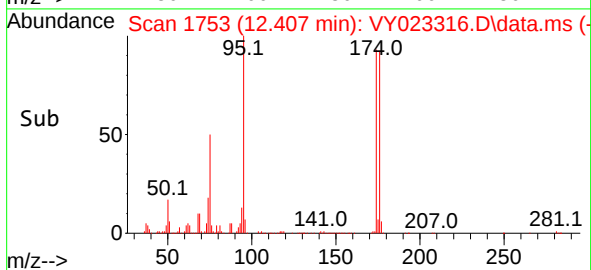
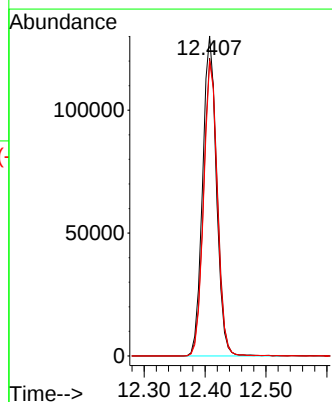
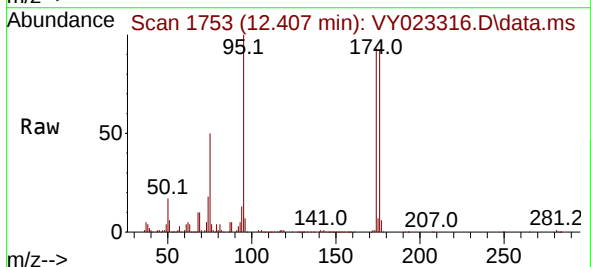
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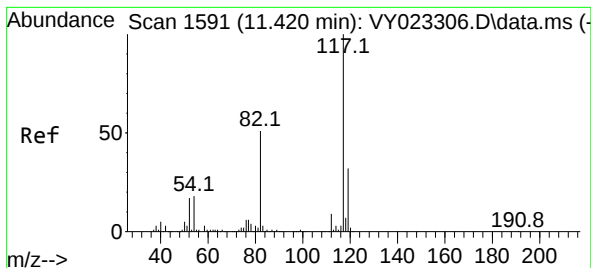
Tgt Ion: 98 Resp: 743121
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 44.356 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

Tgt Ion: 95 Resp: 205817
Ion Ratio Lower Upper
95 100
174 93.9 0.0 171.6
176 90.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023316.D

Acq: 09 Sep 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-258

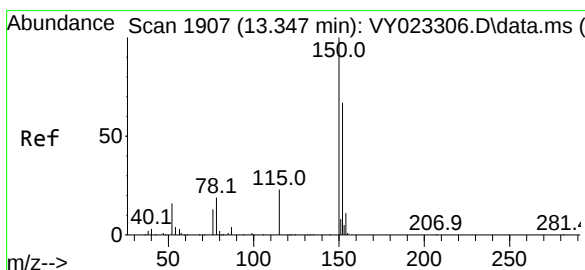
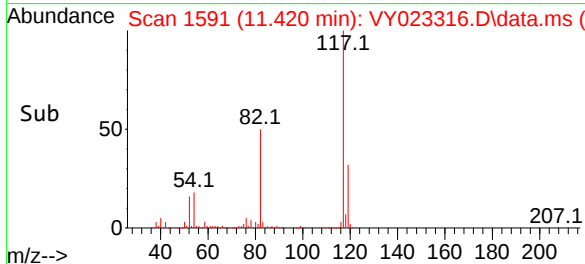
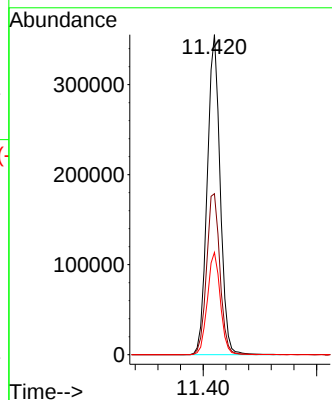
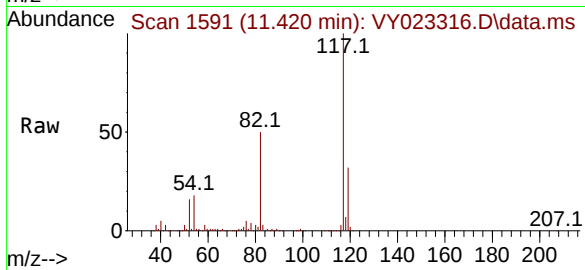
Tgt Ion:117 Resp: 561369

Ion Ratio Lower Upper

117 100

82 50.3 43.4 65.0

119 31.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023316.D

Acq: 09 Sep 2025 10:59

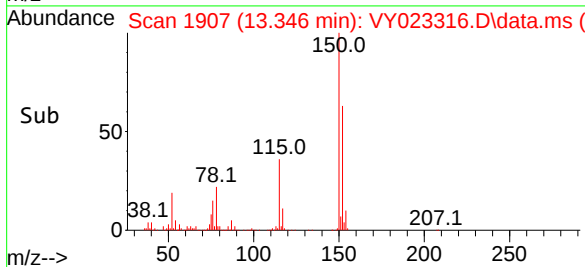
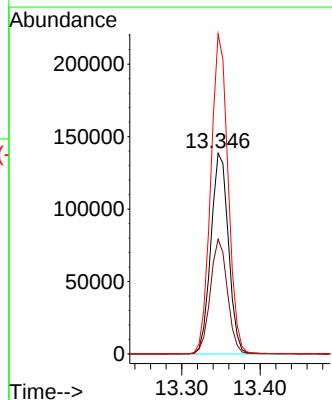
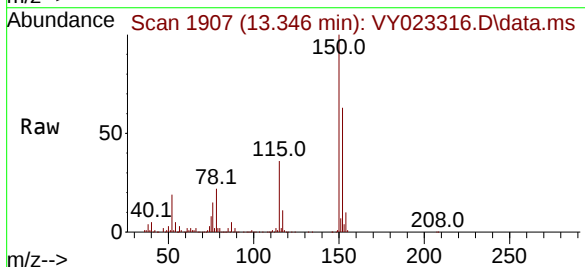
Tgt Ion:152 Resp: 215683

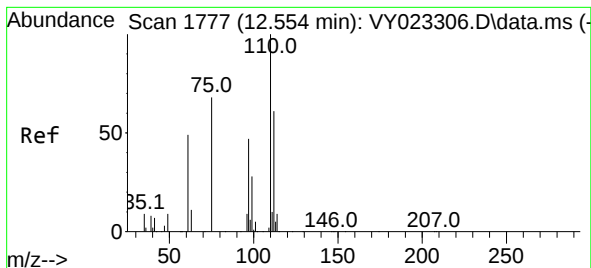
Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

150 156.9 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 47.727 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023316.D

Acq: 09 Sep 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

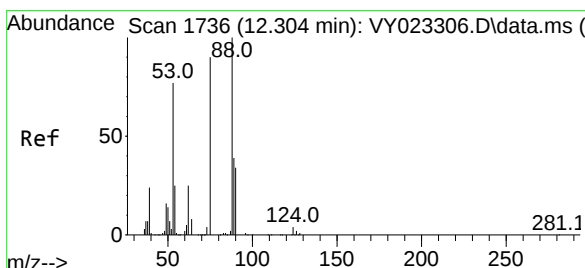
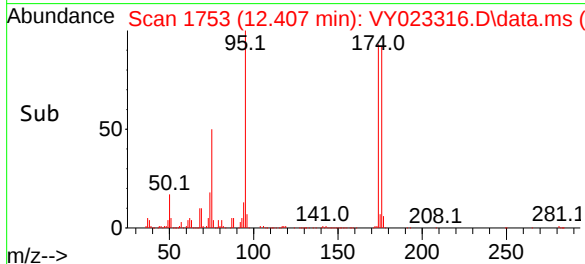
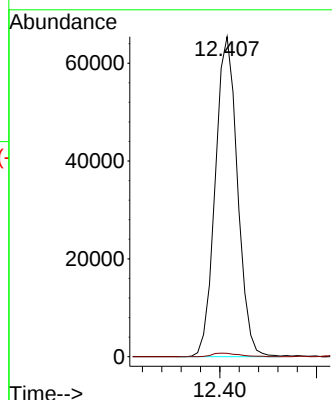
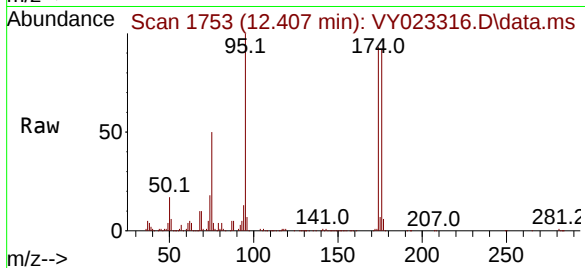
VNJ-258

Tgt Ion: 75 Resp: 104246

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.157 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY023316.D

Acq: 09 Sep 2025 10:59

Tgt Ion: 75 Resp: 104246

Ion Ratio Lower Upper

75 100

53 0.2 70.8 106.2#

89 0.0 38.1 57.1#

