

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022167.D
 Acq On : 05 May 2025 18:14
 Operator : SY/MD
 Sample : Q1883-17
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SO-TB-01-042325

Quant Time: May 06 05:23:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

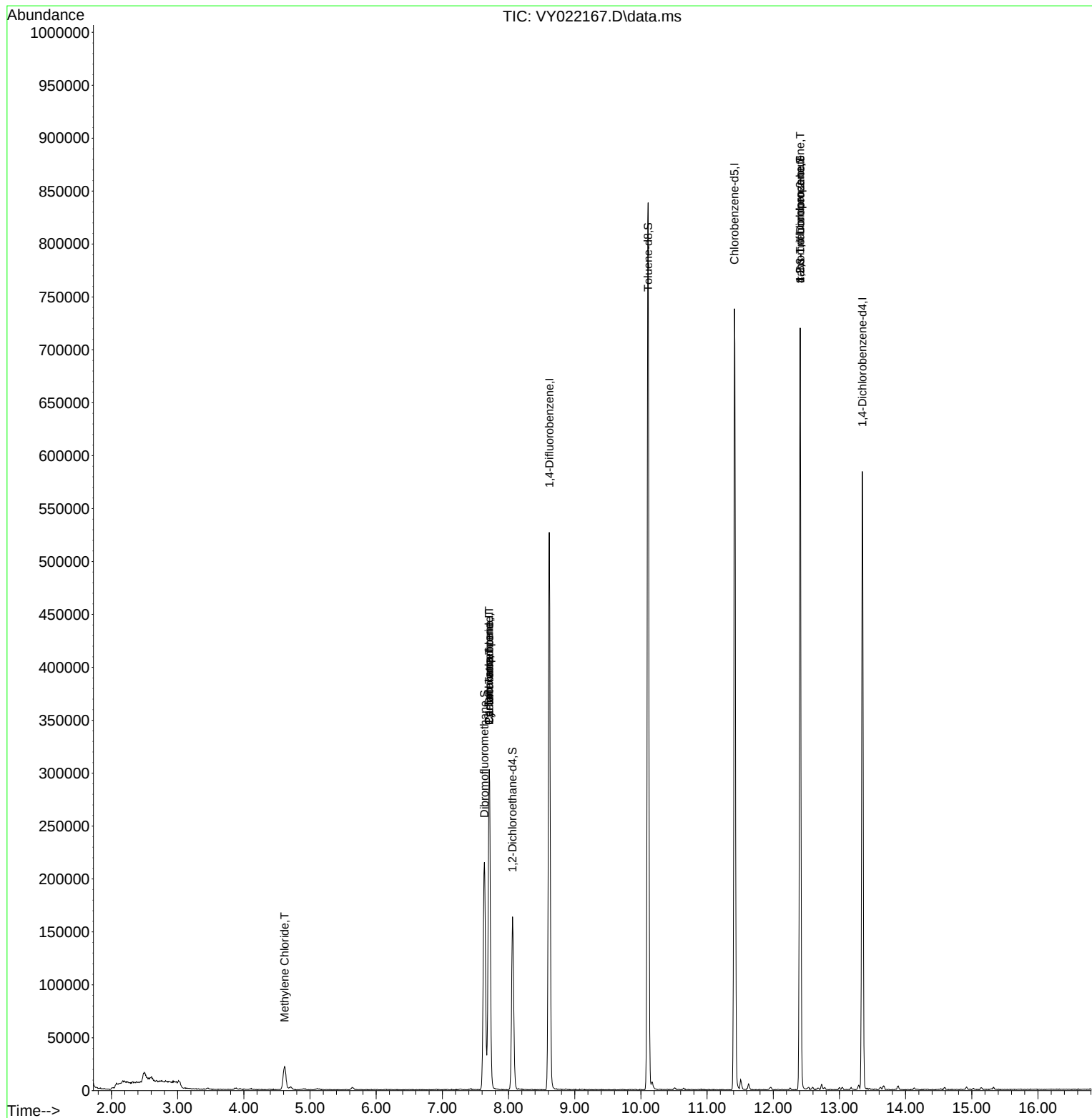
Internal Standards						
1) Pentafluorobenzene	7.707	168	238741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	457703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	406634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123916	56.192	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.380%			
35) Dibromofluoromethane	7.634	113	158049	52.268	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.540%			
50) Toluene-d8	10.109	98	563215	49.406	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.820%			
62) 4-Bromofluorobenzene	12.408	95	216469	56.407	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.820%			
Target Compounds						
16) Acetone	3.879	43	2425	Below Cal		91
20) Methylene Chloride	4.616	84	17611	6.316	ug/l	98
31) Cyclohexane	7.707	56	4638	1.272	ug/l #	28
36) 1,1-Dichloropropene	7.707	75	17553	4.321	ug/l #	49
38) Carbon Tetrachloride	7.707	117	23961	4.937	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	108876	84.231	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	108876	202.841	ug/l #	16

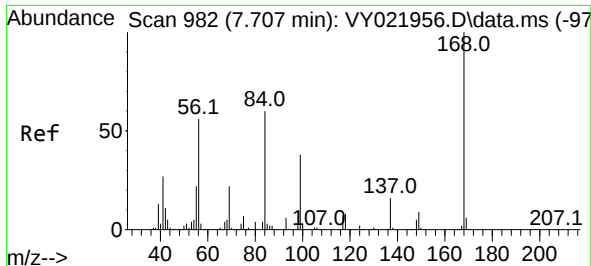
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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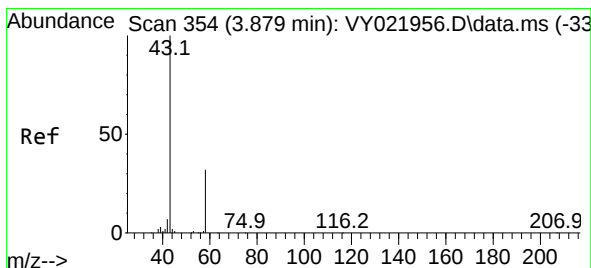
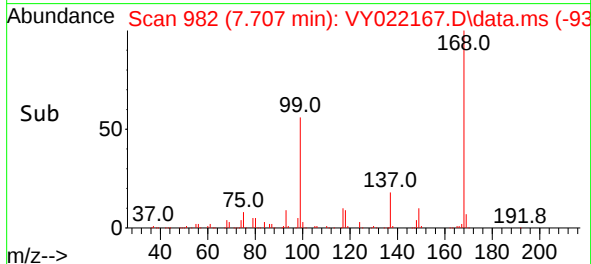
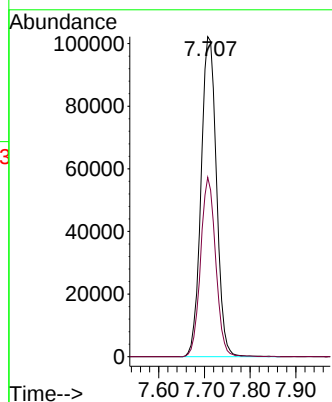
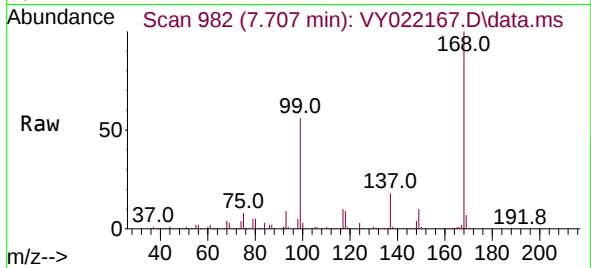




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

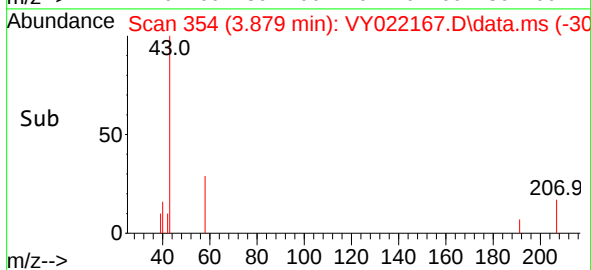
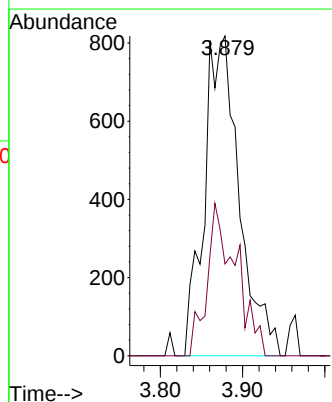
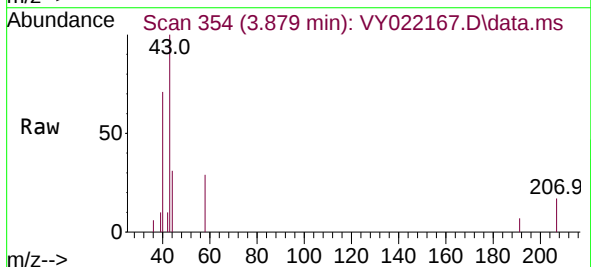
Instrument :
MSVOA_Y
ClientSampleId :
SO-TB-01-042325

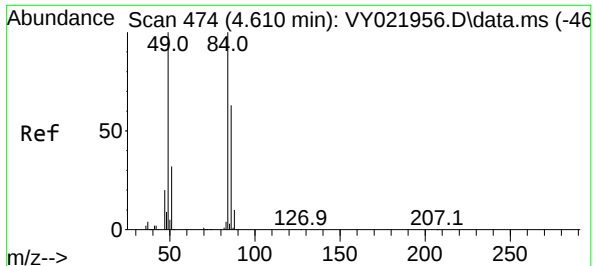
Tgt Ion:168 Resp: 238741
Ion Ratio Lower Upper
168 100
99 56.1 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Tgt Ion: 43 Resp: 2425
Ion Ratio Lower Upper
43 100
58 28.7 27.0 40.4





#20

Methylene Chloride

Concen: 6.316 ug/l

RT: 4.616 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY022167.D

Acq: 05 May 2025 18:14

Instrument :

MSVOA_Y

ClientSampleId :

SO-TB-01-042325

Tgt Ion: 84 Resp: 17611

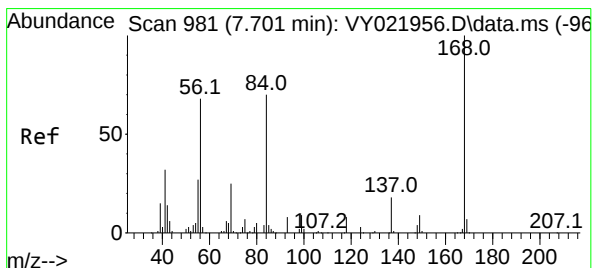
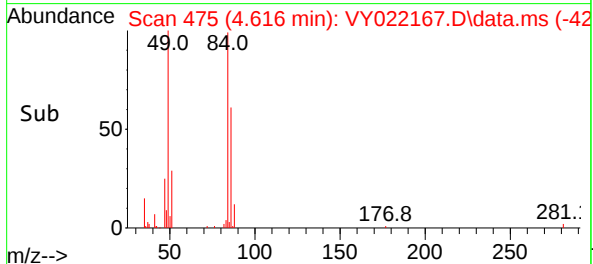
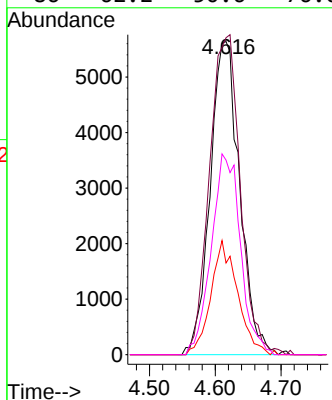
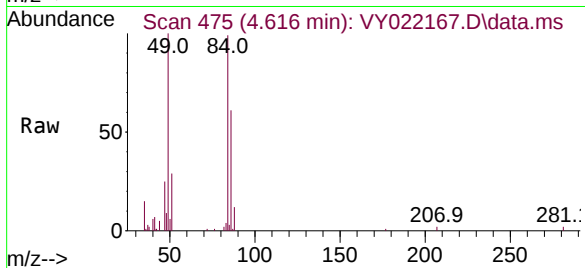
Ion Ratio Lower Upper

84 100

49 101.3 79.9 119.9

51 29.3 25.4 38.0

86 62.2 50.6 76.0



#31

Cyclohexane

Concen: 1.272 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY022167.D

Acq: 05 May 2025 18:14

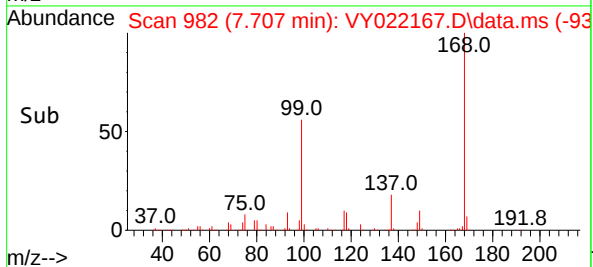
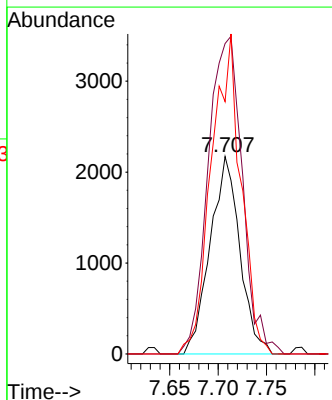
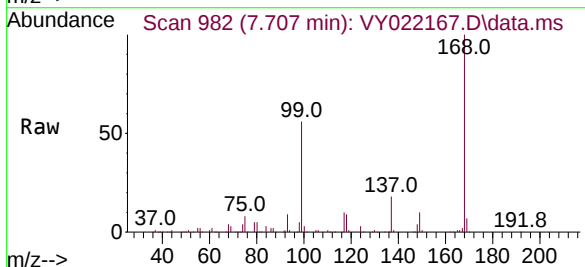
Tgt Ion: 56 Resp: 4638

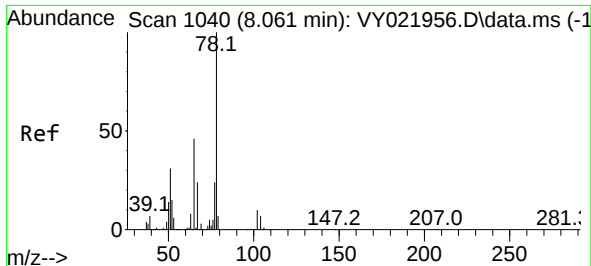
Ion Ratio Lower Upper

56 100

69 157.3 29.4 44.2#

84 127.8 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 56.192 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022167.D

Acq: 05 May 2025 18:14

Instrument :

MSVOA_Y

ClientSampleId :

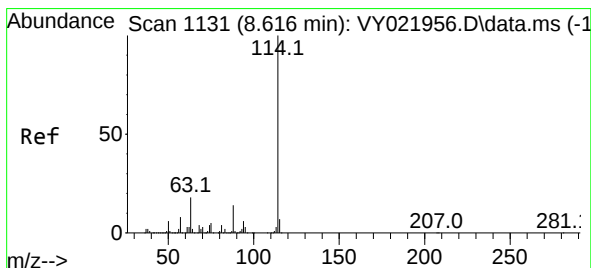
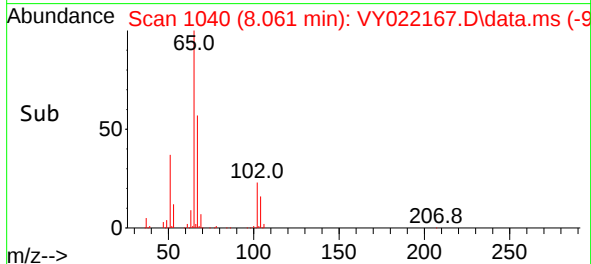
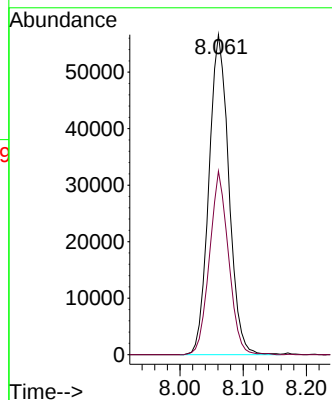
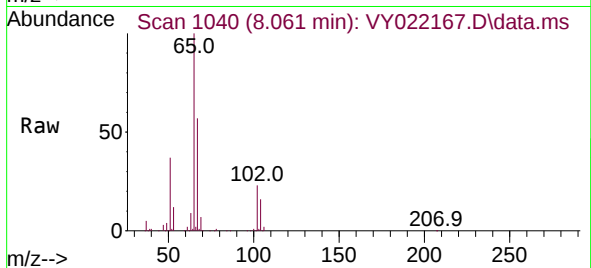
SO-TB-01-042325

Tgt Ion: 65 Resp: 123916

Ion Ratio Lower Upper

65 100

67 54.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022167.D

Acq: 05 May 2025 18:14

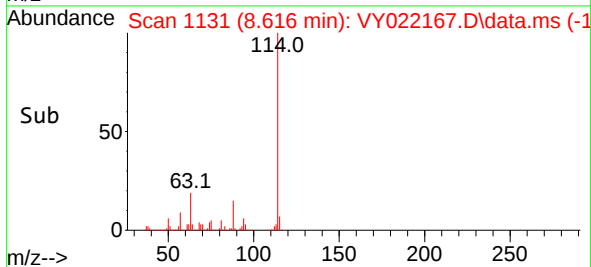
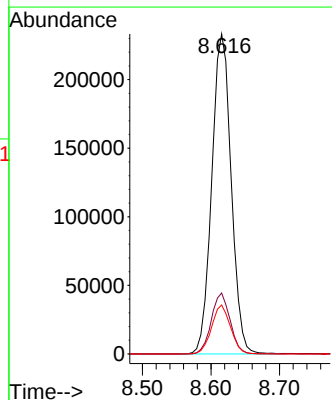
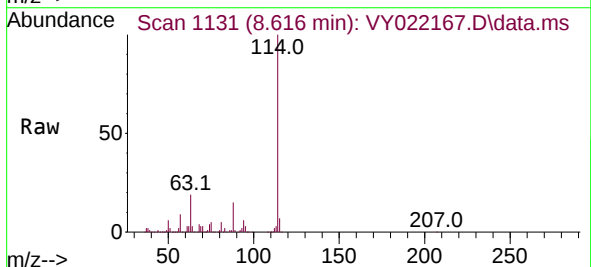
Tgt Ion: 114 Resp: 457703

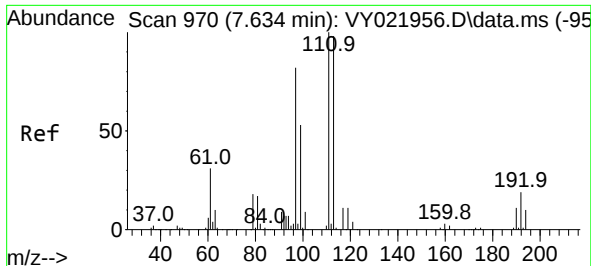
Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.4

88 15.3 0.0 28.2

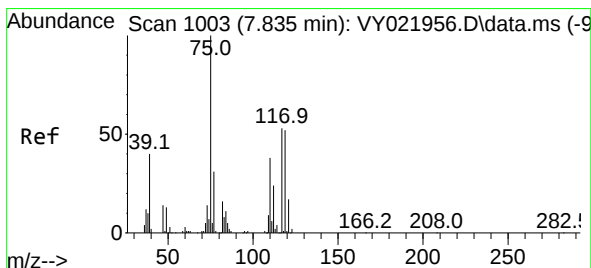
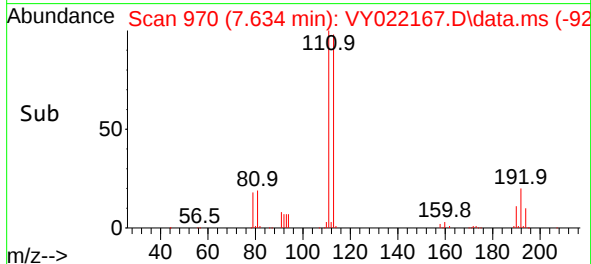
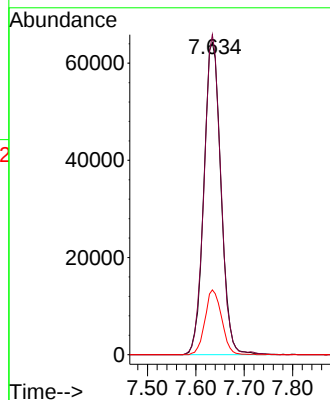
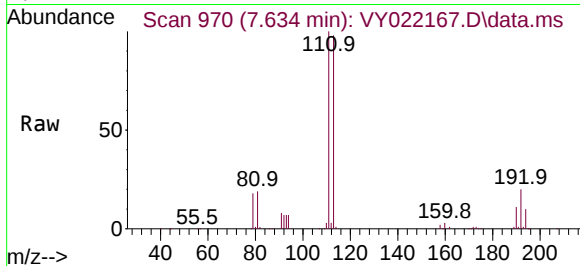




#35
Dibromofluoromethane
Concen: 52.268 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

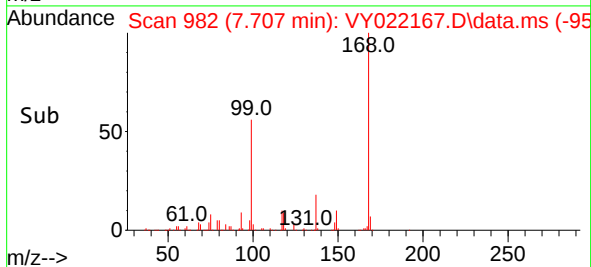
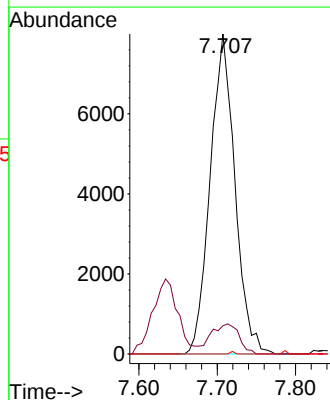
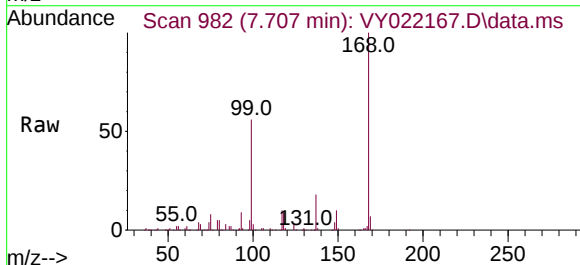
Instrument :
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ClientSampleId :
SO-TB-01-042325

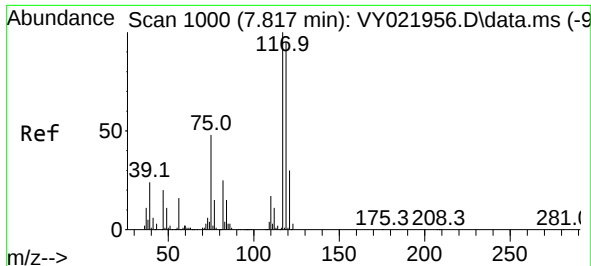
Tgt Ion:113 Resp: 158049
Ion Ratio Lower Upper
113 100
111 100.5 81.8 122.8
192 20.2 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.321 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Tgt Ion: 75 Resp: 17553
Ion Ratio Lower Upper
75 100
110 10.5 19.1 57.3#
77 0.1 25.5 38.3#

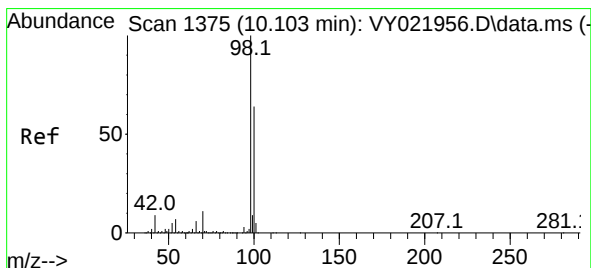
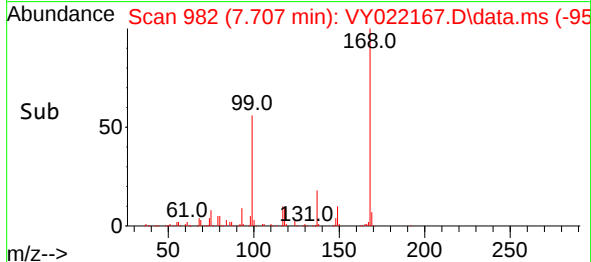
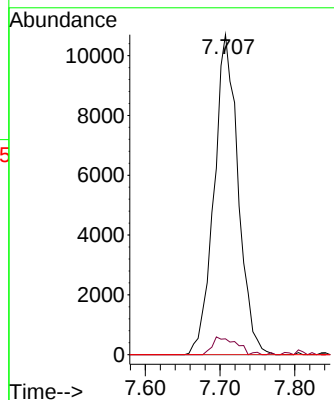
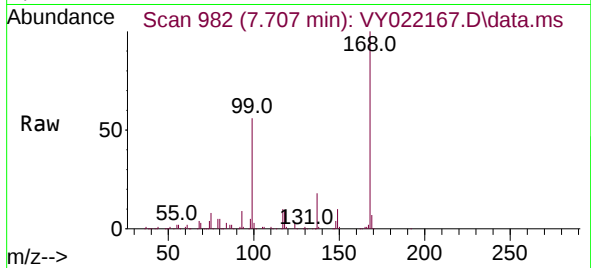




#38
Carbon Tetrachloride
Concen: 4.937 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

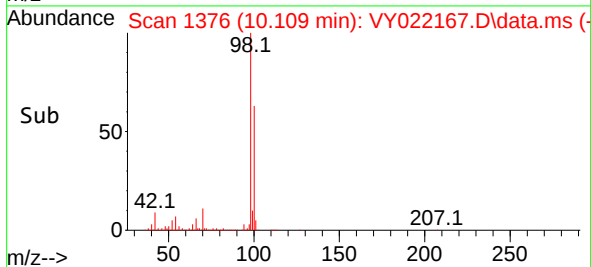
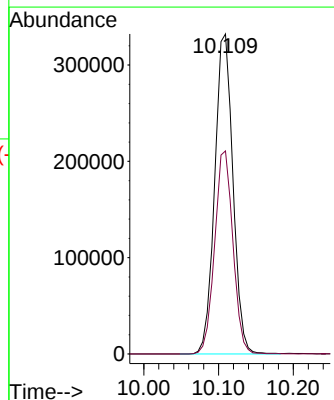
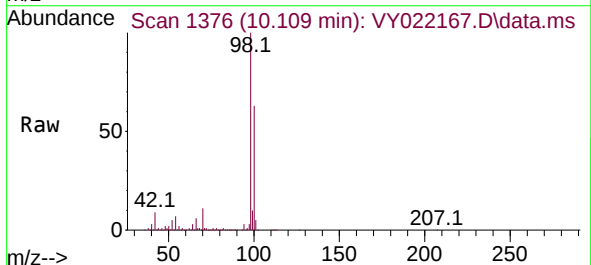
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ClientSampleId :
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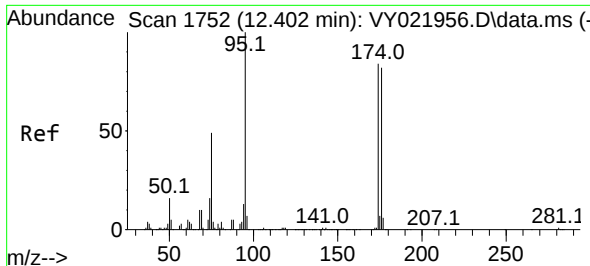
Tgt Ion:117 Resp: 23961
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.406 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Tgt Ion: 98 Resp: 563215
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

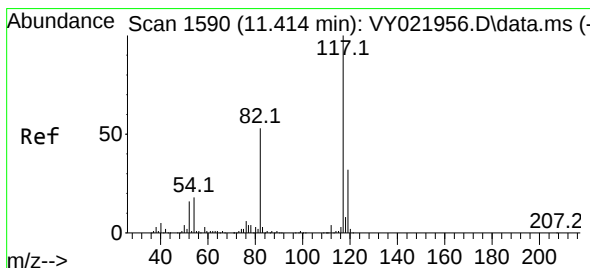
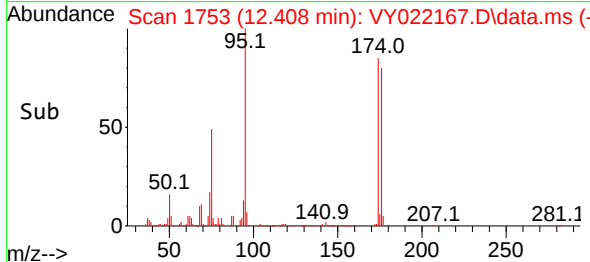
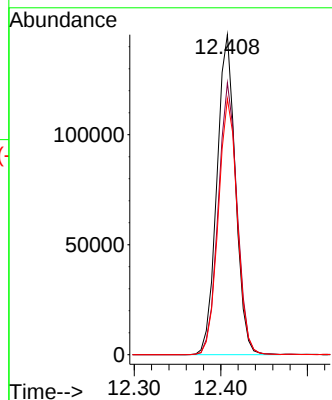
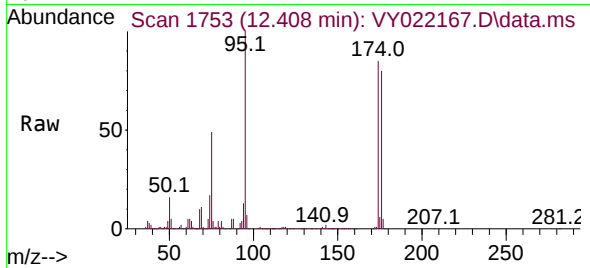




#62
4-Bromofluorobenzene
Concen: 56.407 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

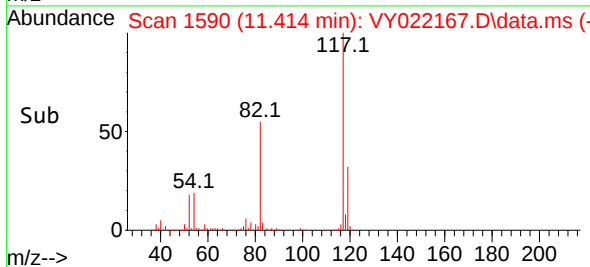
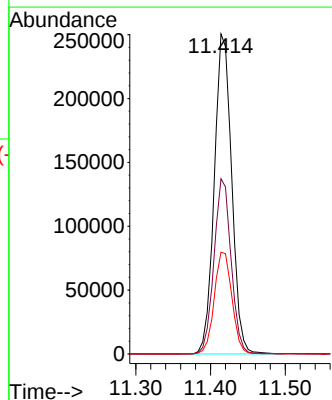
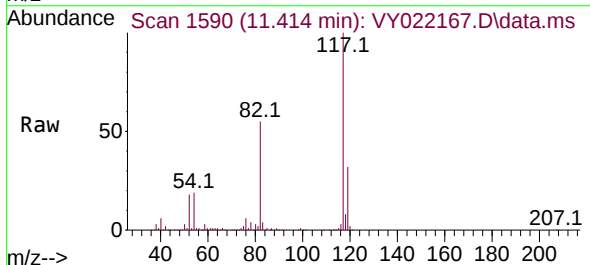
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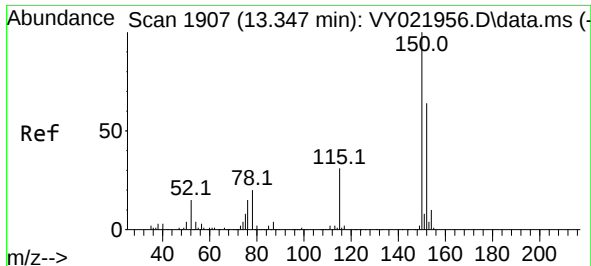
Tgt Ion: 95 Resp: 216469
Ion Ratio Lower Upper
95 100
174 86.4 0.0 179.0
176 82.0 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Tgt Ion: 117 Resp: 406634
Ion Ratio Lower Upper
117 100
82 54.8 42.1 63.1
119 31.8 25.7 38.5

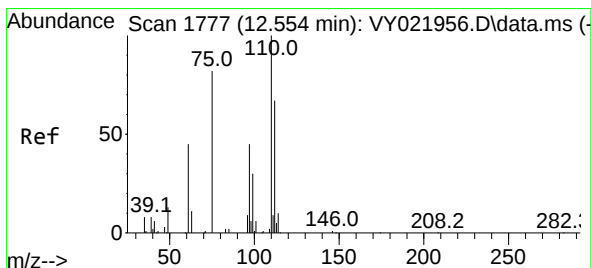
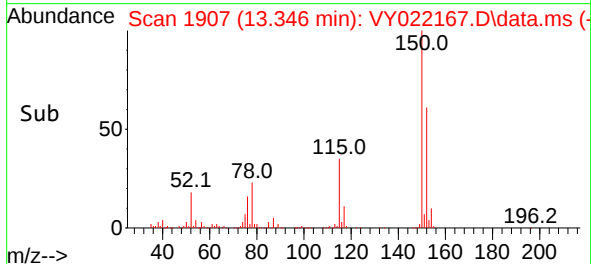
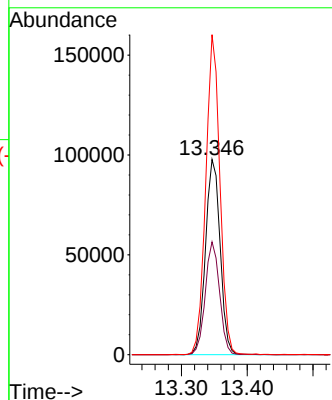
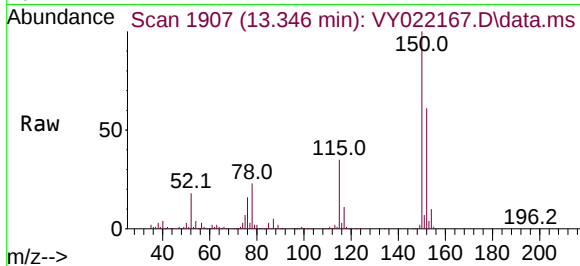




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022167.D
 Acq: 05 May 2025 18:14

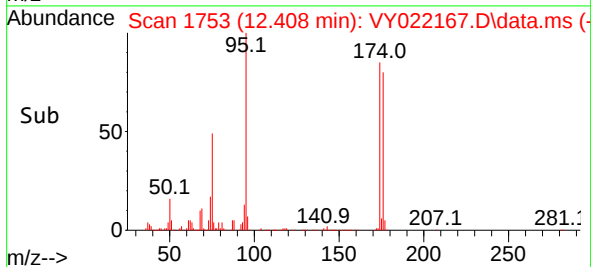
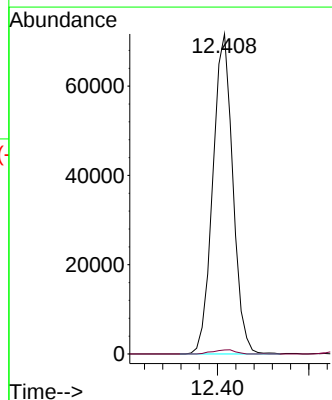
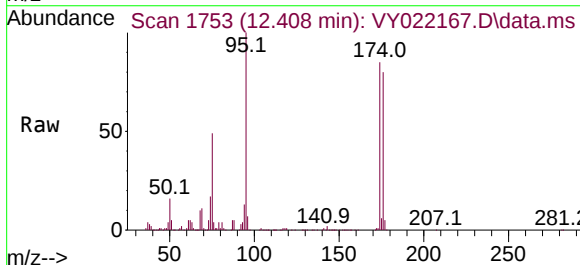
Instrument :
 MSVOA_Y
 ClientSampleId :
 SO-TB-01-042325

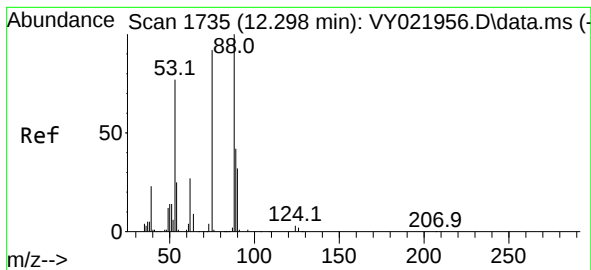
Tgt Ion:152 Resp: 150906
 Ion Ratio Lower Upper
 152 100
 115 56.7 28.0 84.0
 150 158.3 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 84.231 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022167.D
 Acq: 05 May 2025 18:14

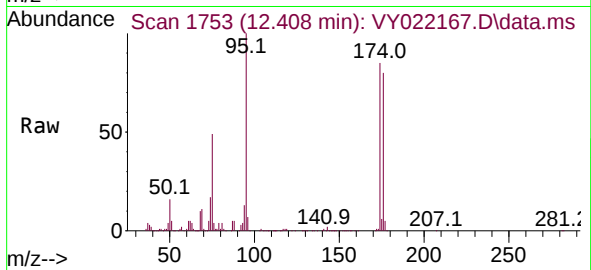
Tgt Ion: 75 Resp: 108876
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 202.841 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022167.D
 Acq: 05 May 2025 18:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 SO-TB-01-042325



Tgt Ion: 75 Resp: 108876
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.0 37.2 55.8#

