

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023075.D
 Acq On : 13 Aug 2025 17:17
 Operator : SY/MD
 Sample : Q2819-13
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 17M-E

Quant Time: Aug 14 01:27:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

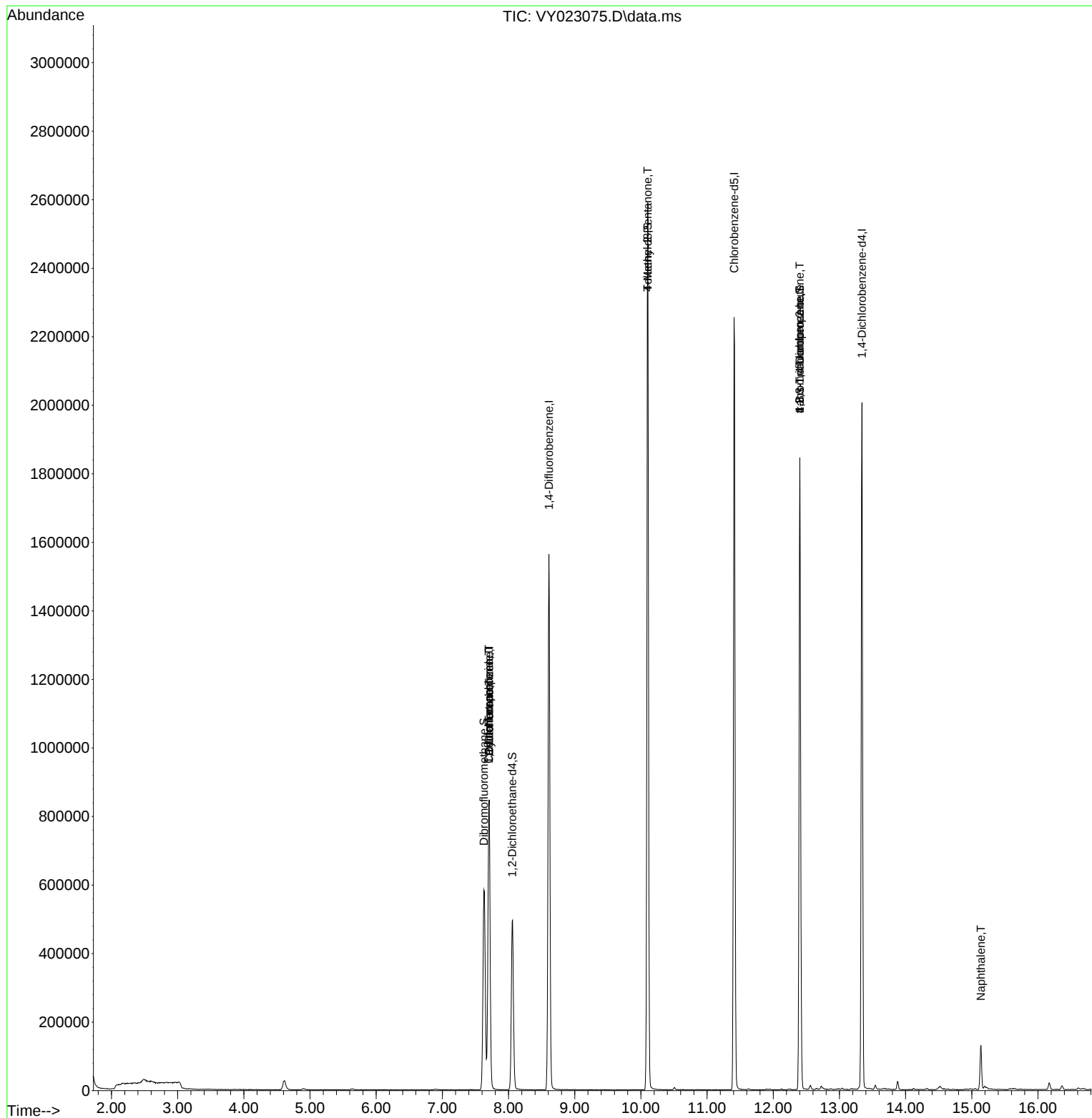
Internal Standards						
1) Pentafluorobenzene	7.707	168	658128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1324720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	1172539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	487544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	392233	62.533	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.060%	
35) Dibromofluoromethane	7.628	113	422956	53.358	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.720%	
50) Toluene-d8	10.103	98	1608522	51.944	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.880%	
62) 4-Bromofluorobenzene	12.401	95	489471	49.150	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.300%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.707	56	13937	1.193	ug/l #	11
36) 1,1-Dichloropropene	7.701	75	51645	4.384	ug/l #	50
38) Carbon Tetrachloride	7.701	117	65872	5.148	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	6664	1.292	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	260431	55.348	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	260431	133.980	ug/l #	14
95) Naphthalene	15.139	128	105233	7.350	ug/l	99

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

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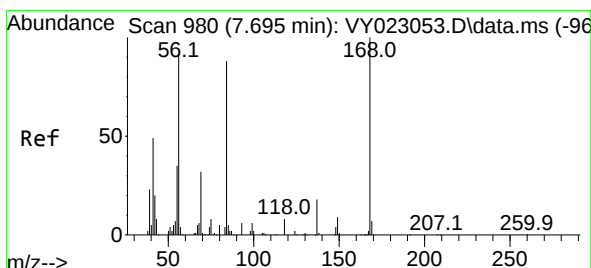
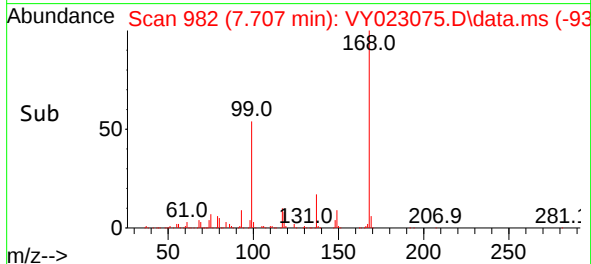
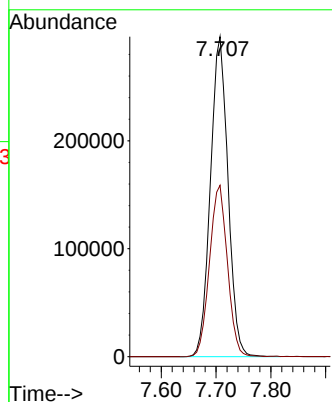
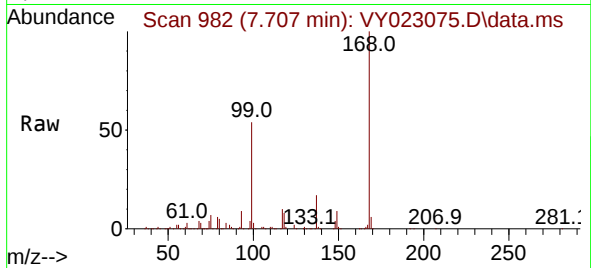




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

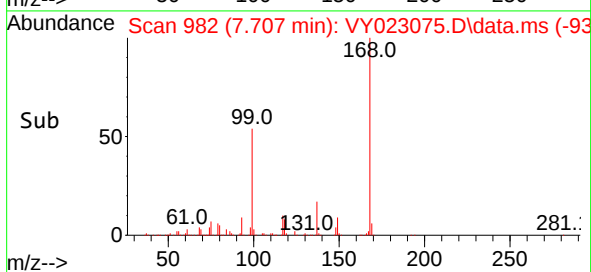
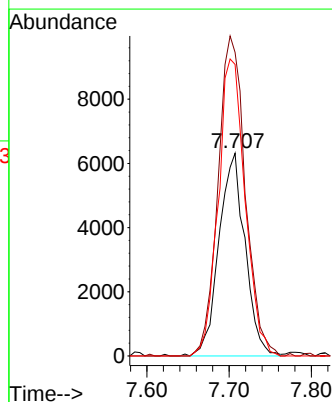
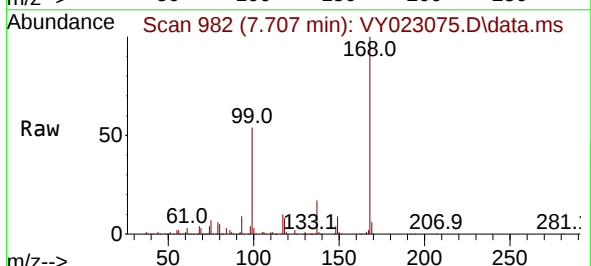
Instrument :
MSVOA_Y
ClientSampleId :
17M-E

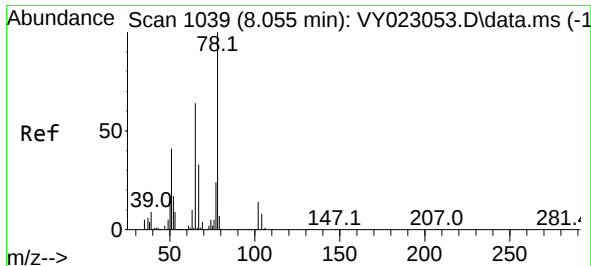
Tgt Ion:168 Resp: 658128
Ion Ratio Lower Upper
168 100
99 53.5 42.8 64.2



#31
Cyclohexane
Concen: 1.193 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

Tgt Ion: 56 Resp: 13937
Ion Ratio Lower Upper
56 100
69 149.7 28.2 42.2#
84 143.8 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 62.533 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023075.D

Acq: 13 Aug 2025 17:17

Instrument :

MSVOA_Y

ClientSampleId :

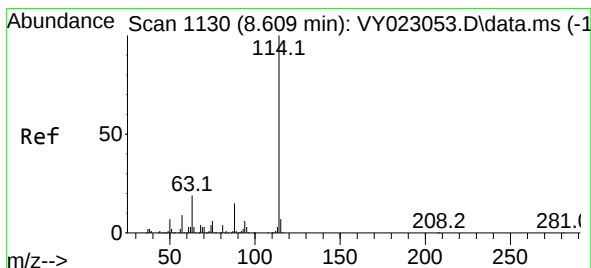
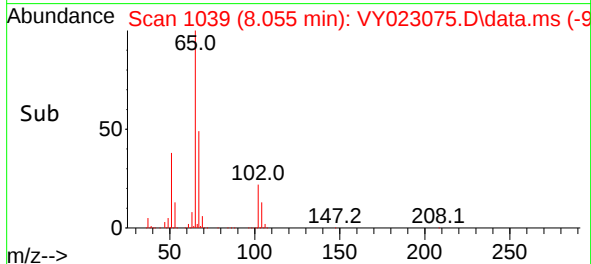
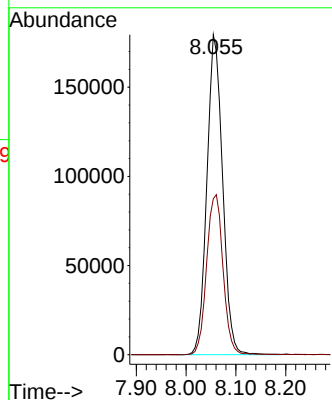
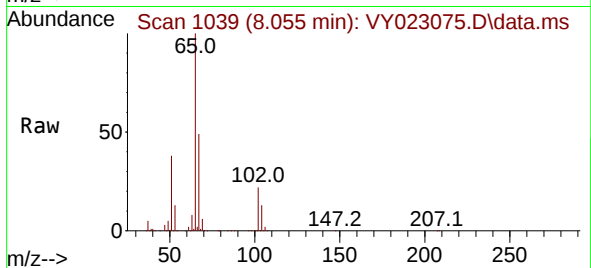
17M-E

Tgt Ion: 65 Resp: 392233

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023075.D

Acq: 13 Aug 2025 17:17

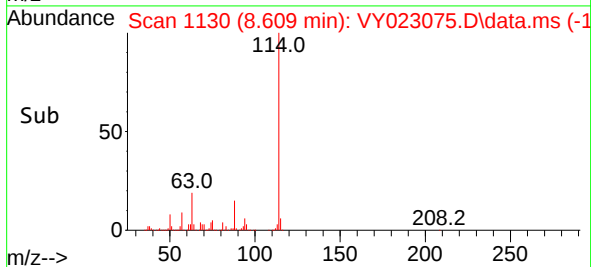
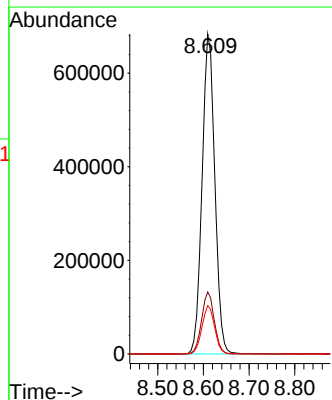
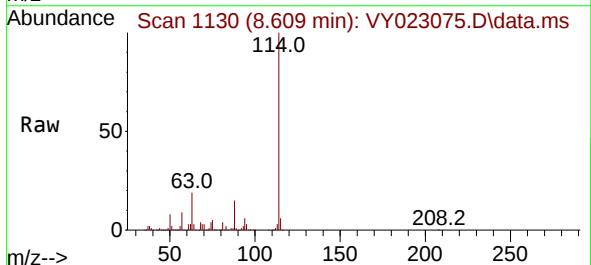
Tgt Ion: 114 Resp: 1324720

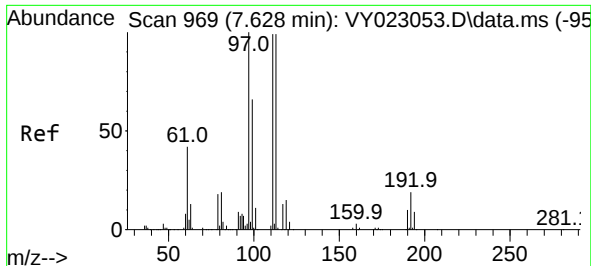
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

88 15.1 0.0 30.0

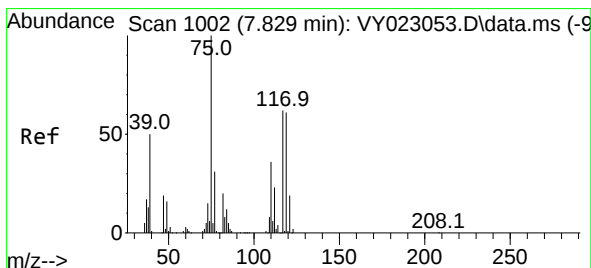
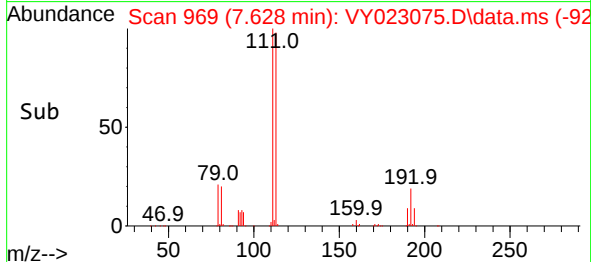
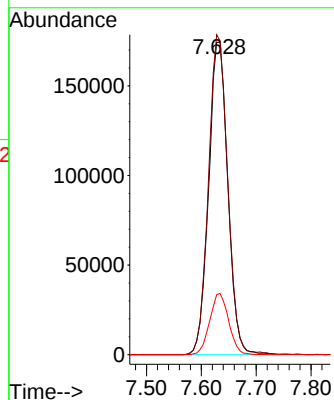
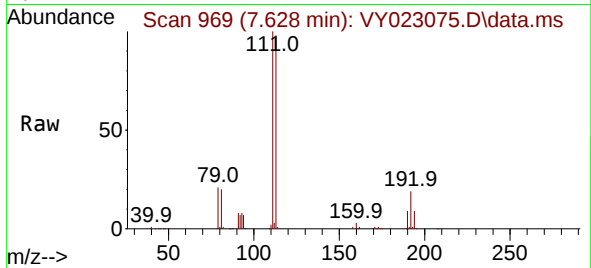




#35
Dibromofluoromethane
Concen: 53.358 ug/l
RT: 7.628 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

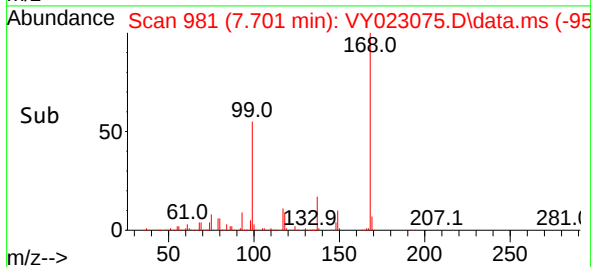
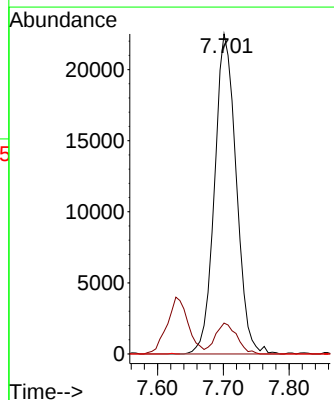
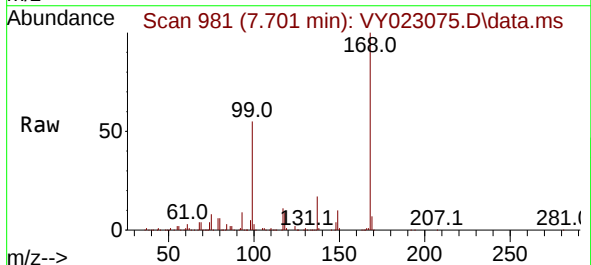
Instrument :
MSVOA_Y
ClientSampleId :
17M-E

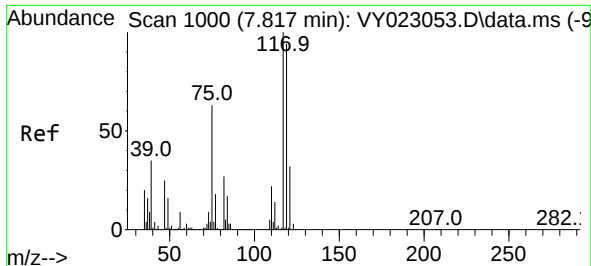
Tgt Ion:113 Resp: 422956
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.384 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

Tgt Ion: 75 Resp: 51645
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 24.6 37.0#

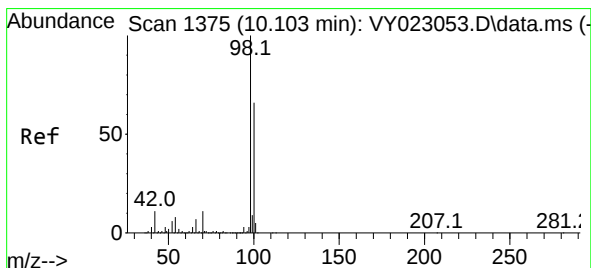
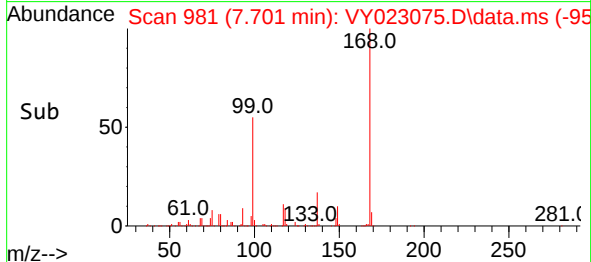
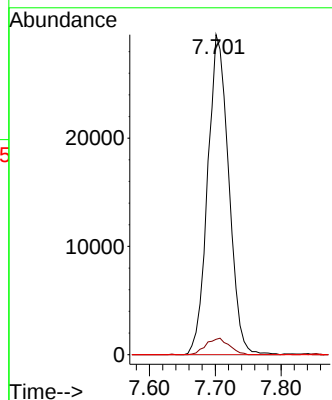
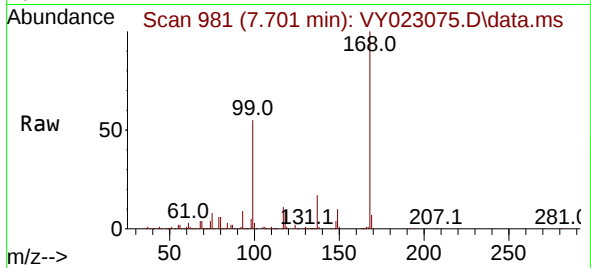




#38
Carbon Tetrachloride
Concen: 5.148 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

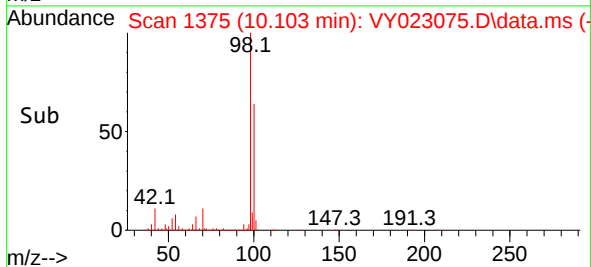
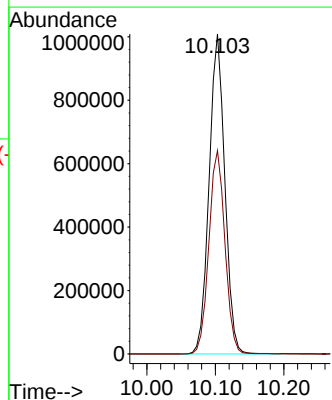
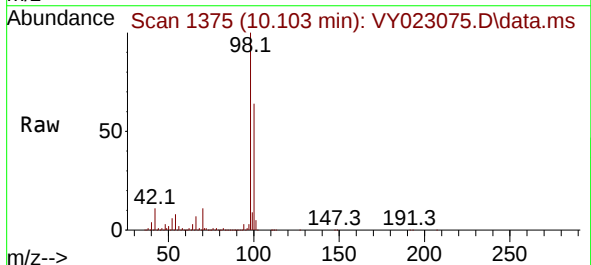
Instrument :
MSVOA_Y
ClientSampleId :
17M-E

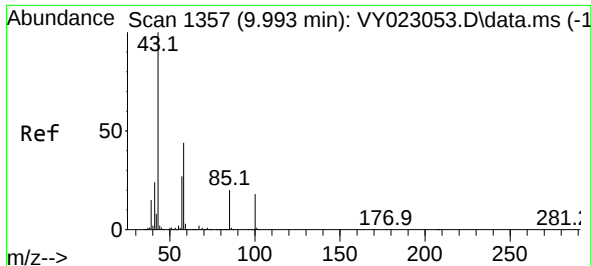
Tgt Ion:117 Resp: 65872
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.944 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

Tgt Ion: 98 Resp: 1608522
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

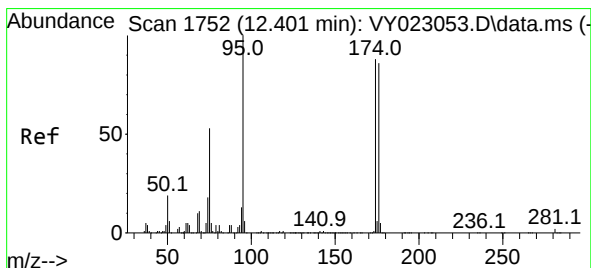
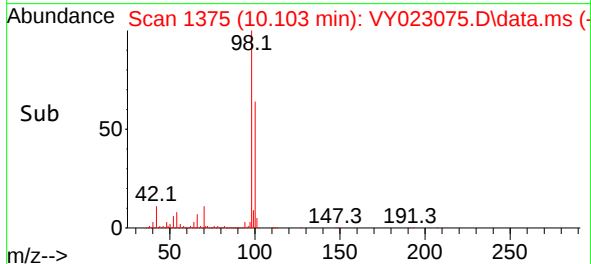
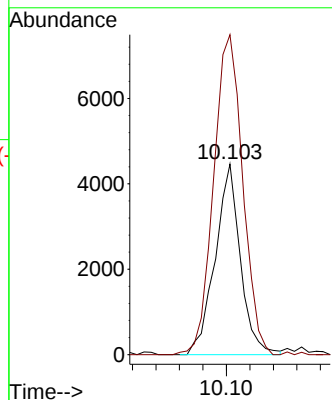
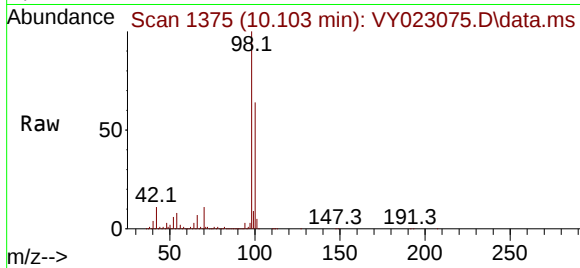




#51
4-Methyl-2-Pentanone
Concen: 1.292 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

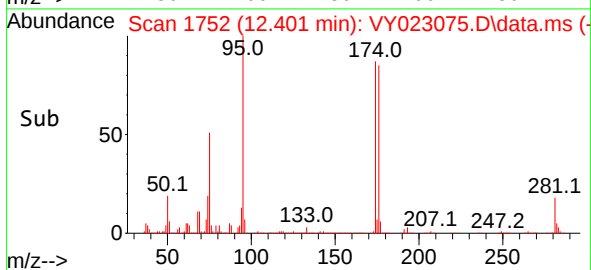
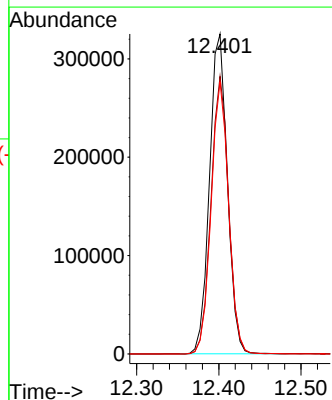
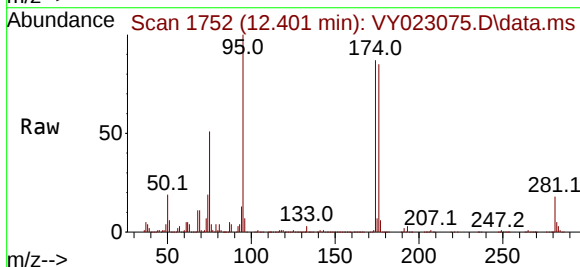
Instrument :
MSVOA_Y
ClientSampleId :
17M-E

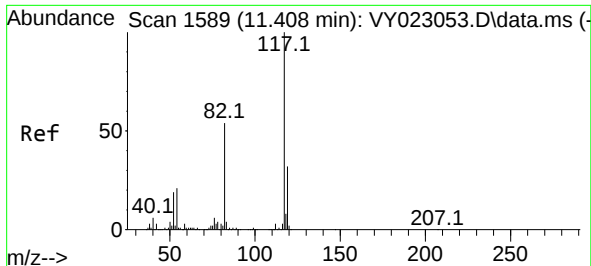
Tgt Ion: 43 Resp: 6664
Ion Ratio Lower Upper
43 100
58 193.3 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 49.150 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

Tgt Ion: 95 Resp: 489471
Ion Ratio Lower Upper
95 100
174 86.2 0.0 171.6
176 83.3 0.0 167.6

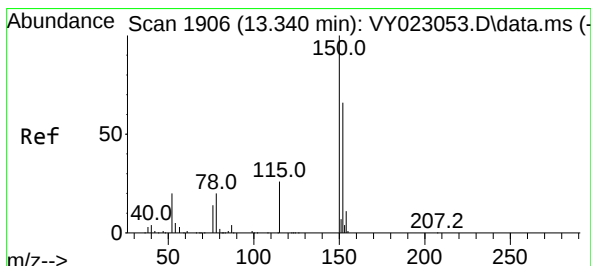
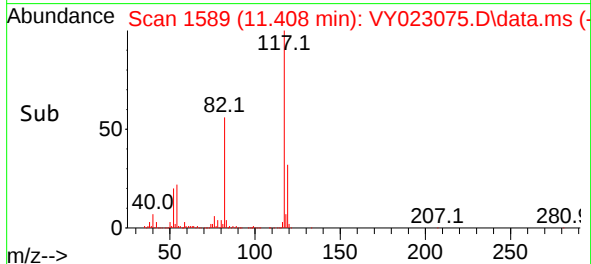
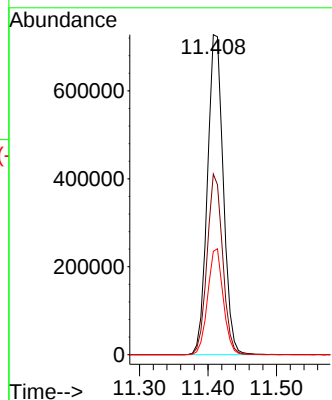
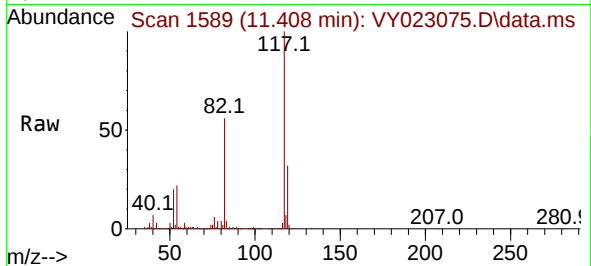




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1172539
Delta R.T. 0.000 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

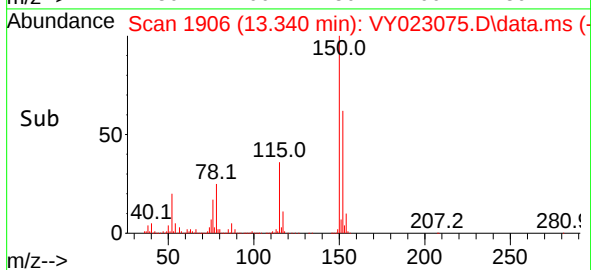
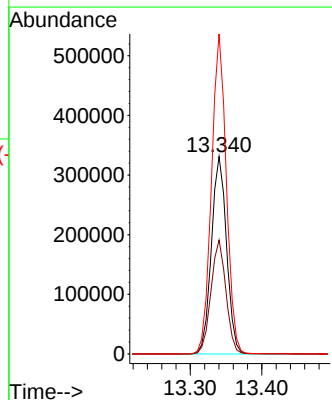
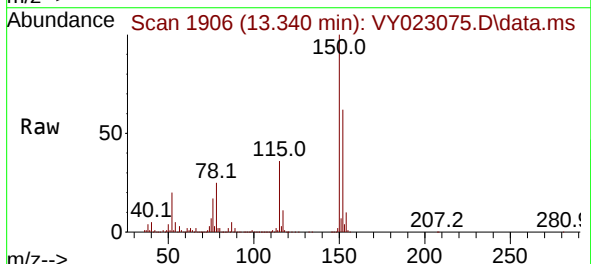
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17M-E

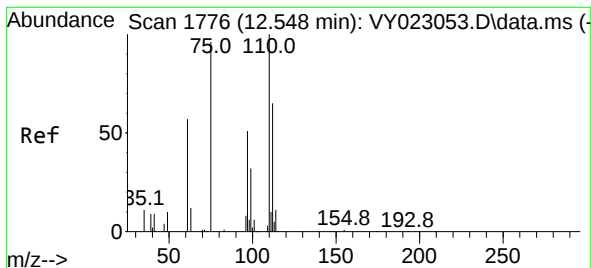
Tgt Ion:117 Resp: 1172539
Ion Ratio Lower Upper
117 100
82 56.5 43.4 65.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

Tgt Ion:152 Resp: 487544
Ion Ratio Lower Upper
152 100
115 57.1 28.2 84.6
150 158.5 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 55.348 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023075.D

Acq: 13 Aug 2025 17:17

Instrument :

MSVOA_Y

ClientSampleId :

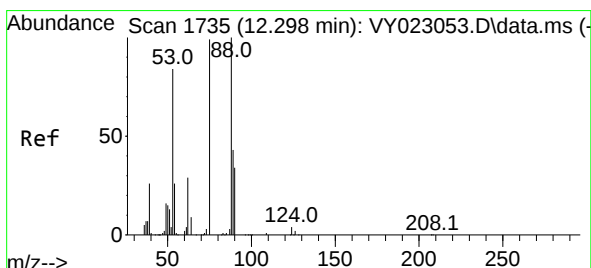
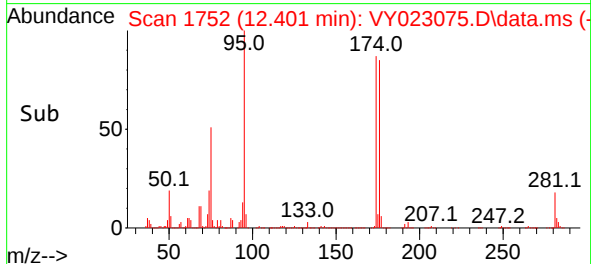
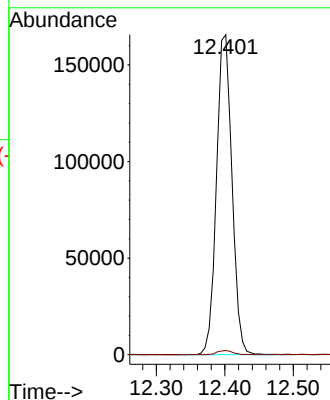
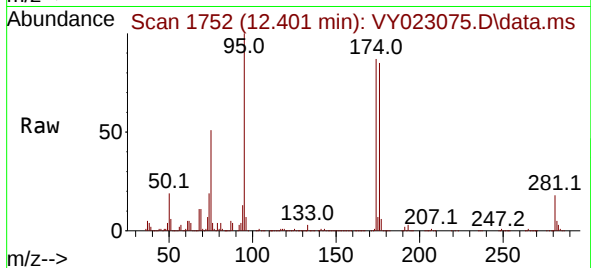
17M-E

Tgt Ion: 75 Resp: 260431

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.980 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023075.D

Acq: 13 Aug 2025 17:17

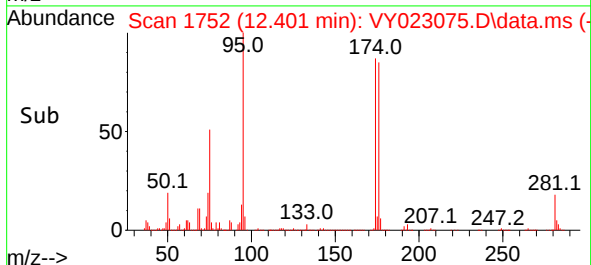
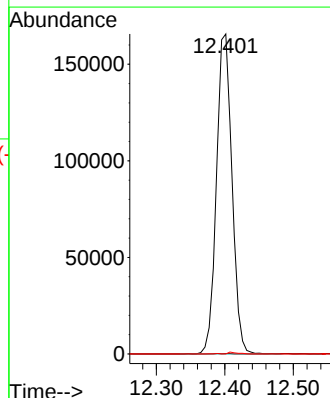
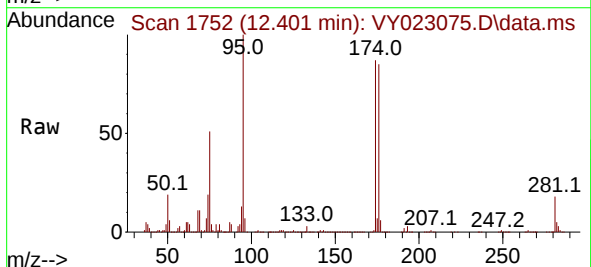
Tgt Ion: 75 Resp: 260431

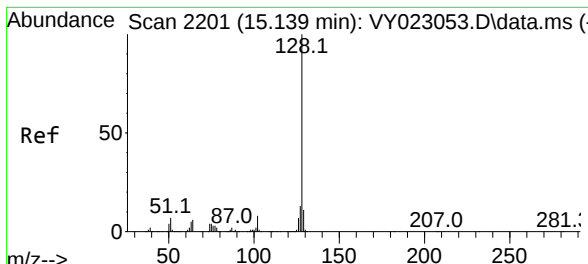
Ion Ratio Lower Upper

75 100

53 0.1 70.8 106.2#

89 0.4 38.1 57.1#





#95
 Naphthalene
 Concen: 7.350 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY023075.D
 Acq: 13 Aug 2025 17:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 17M-E

Tgt Ion:	128	Resp:	105233
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.7	9.0	13.4

