

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023019.D
 Acq On : 21 Jul 2025 12:16
 Operator : SY/MD
 Sample : Q2638-09
 Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-35-071725

Quant Time: Jul 22 04:49:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

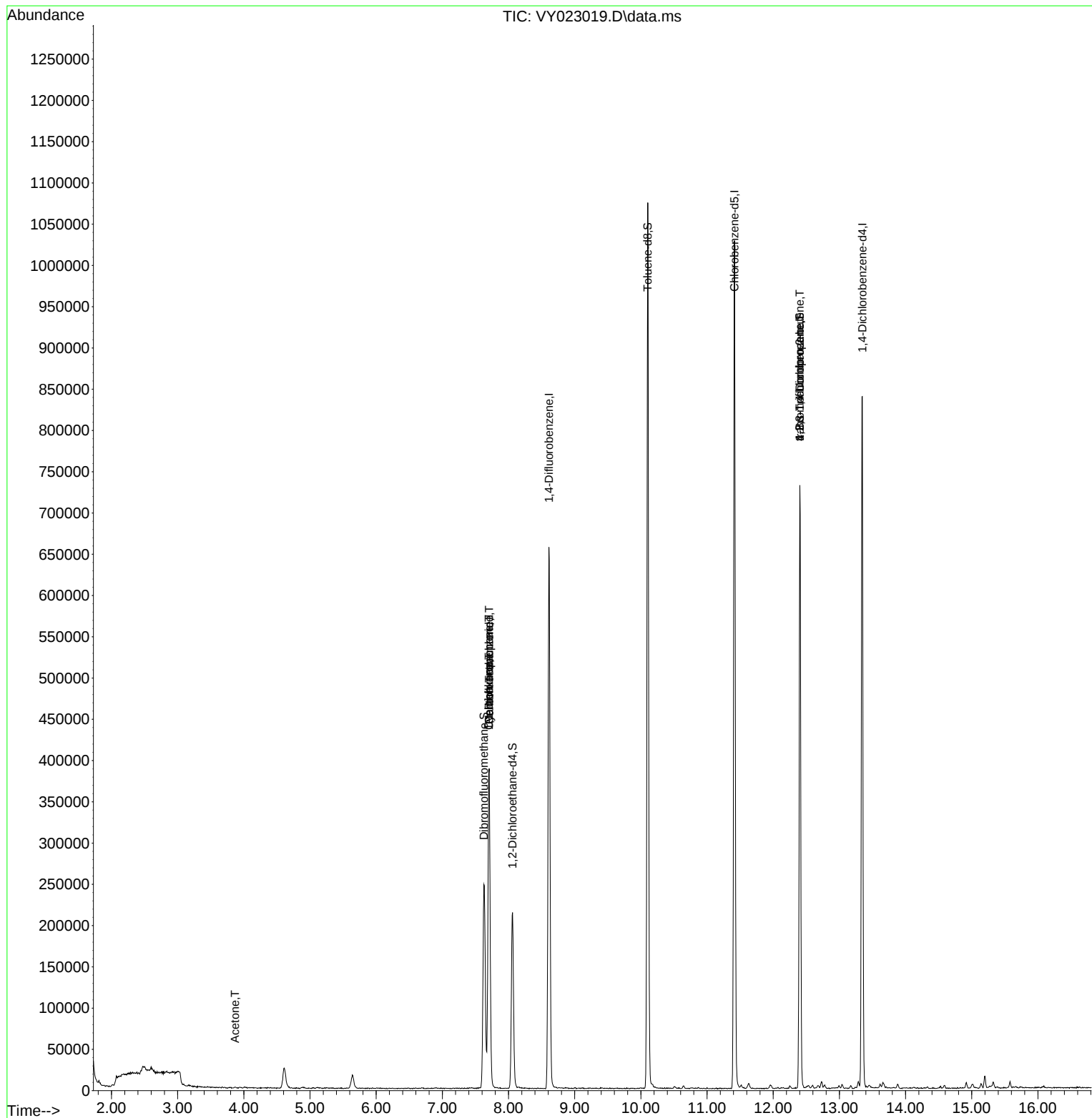
Internal Standards						
1) Pentafluorobenzene	7.707	168	299685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	560715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	524510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	210422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	173755	57.273	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.540%	
35) Dibromofluoromethane	7.628	113	177852	50.003	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.000%	
50) Toluene-d8	10.103	98	673735	47.766	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.540%	
62) 4-Bromofluorobenzene	12.402	95	217724	49.037	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.080%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	968	1.760	ug/l #	74
20) Methylene Chloride	4.610	84	17044	Below Cal		95
31) Cyclohexane	7.701	56	6988	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	24761	4.420	ug/l #	50
38) Carbon Tetrachloride	7.707	117	31283	5.140	ug/l #	18
76) 1,2,3-Trichloropropane	12.402	75	120570	45.984	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	120570	136.960	ug/l #	12

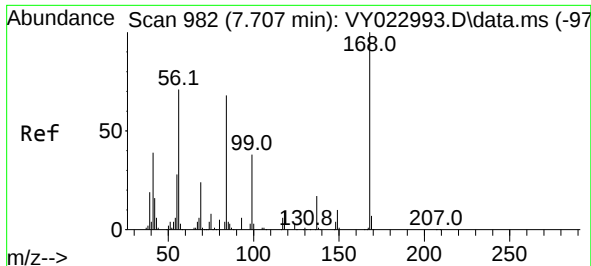
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023019.D
Acq On : 21 Jul 2025 12:16
Operator : SY/MD
Sample : Q2638-09
Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-35-071725

Quant Time: Jul 22 04:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

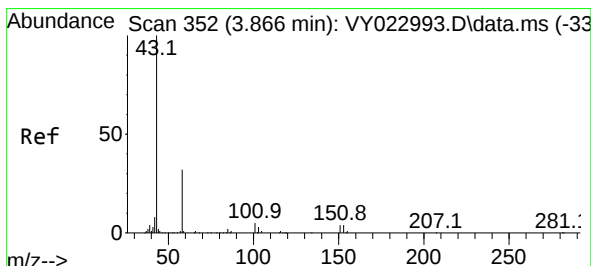
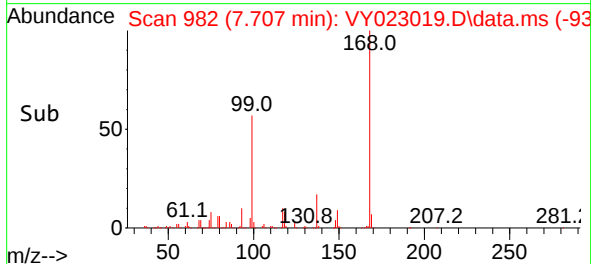
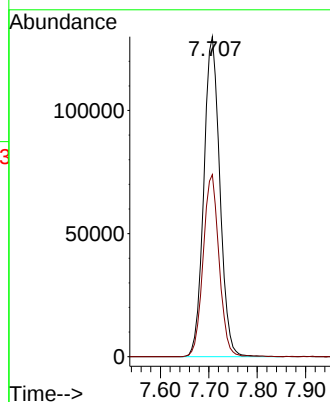
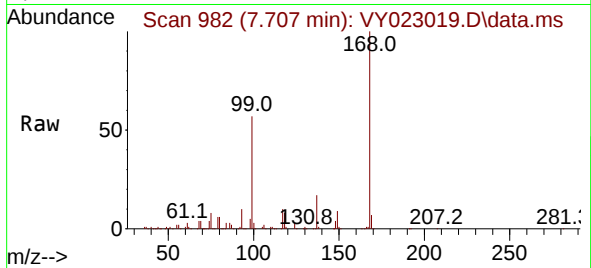




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023019.D
Acq: 21 Jul 2025 12:16

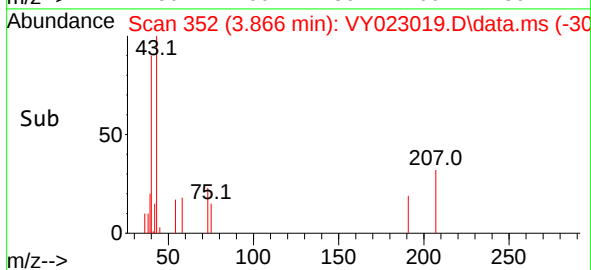
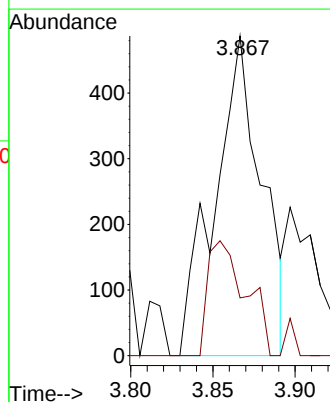
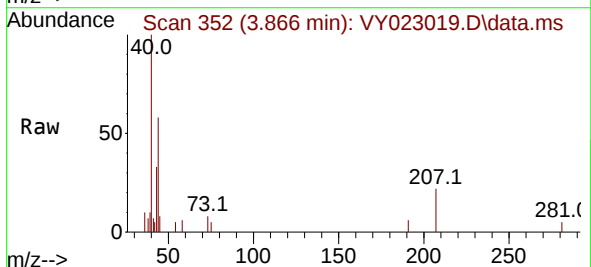
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-35-071725

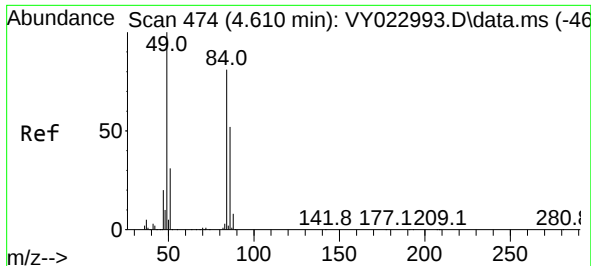
Tgt Ion:168 Resp: 299685
Ion Ratio Lower Upper
168 100
99 56.9 44.4 66.6



#16
Acetone
Concen: 1.760 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023019.D
Acq: 21 Jul 2025 12:16

Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
58 18.1 26.2 39.4#

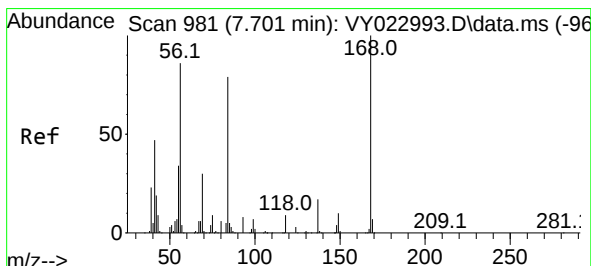
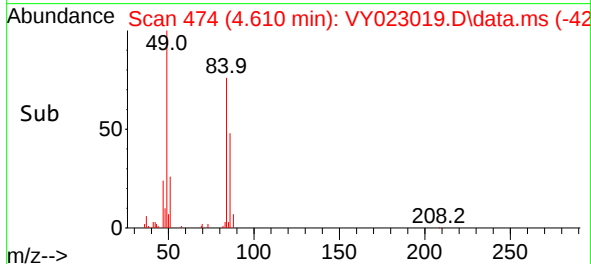
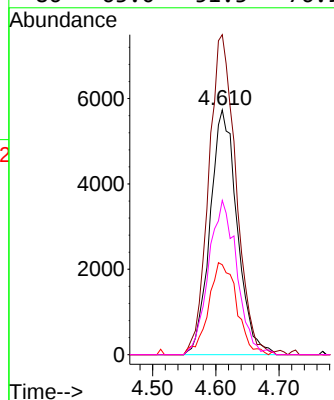
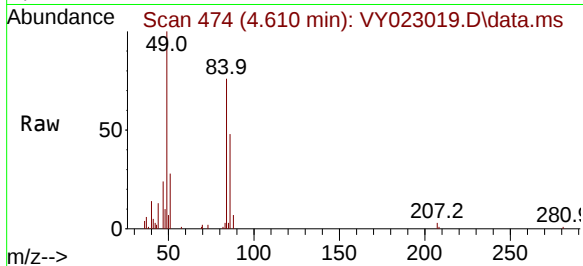




#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023019.D
Acq: 21 Jul 2025 12:16

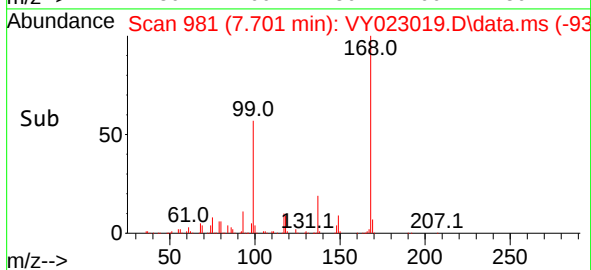
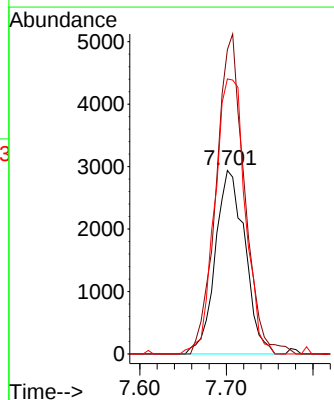
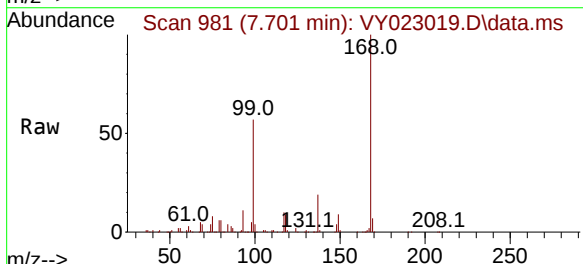
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-35-071725

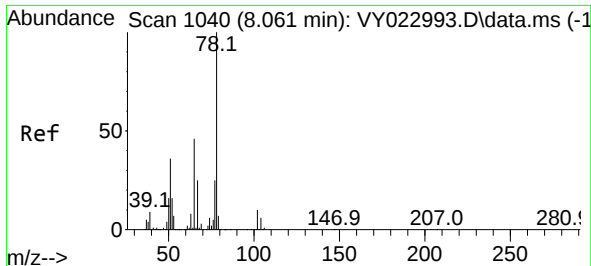
Tgt Ion:	84	Resp:	17044
Ion	Ratio	Lower	Upper
84	100		
49	130.7	98.2	147.4
51	36.7	30.5	45.7
86	63.0	51.3	76.9



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY023019.D
Acq: 21 Jul 2025 12:16

Tgt Ion:	56	Resp:	6988
Ion	Ratio	Lower	Upper
56	100		
69	165.8	28.1	42.1#
84	149.9	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 57.273 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY023019.D

Acq: 21 Jul 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

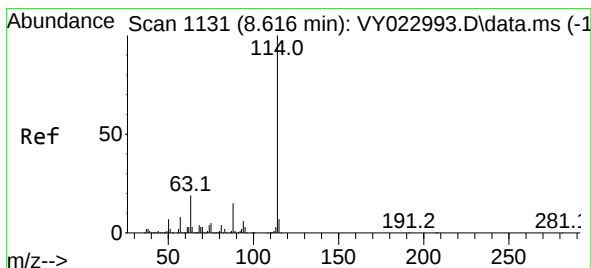
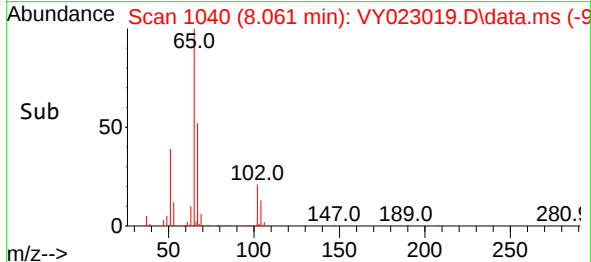
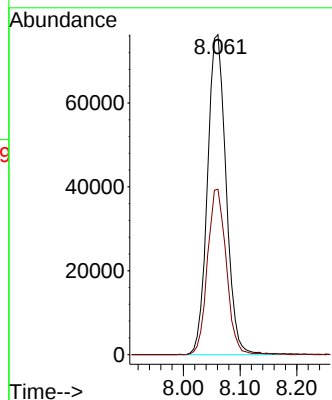
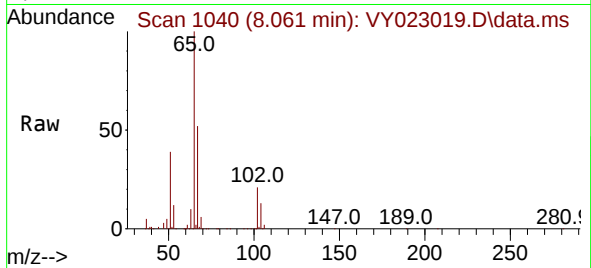
OU4-TS-35-071725

Tgt Ion: 65 Resp: 173755

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY023019.D

Acq: 21 Jul 2025 12:16

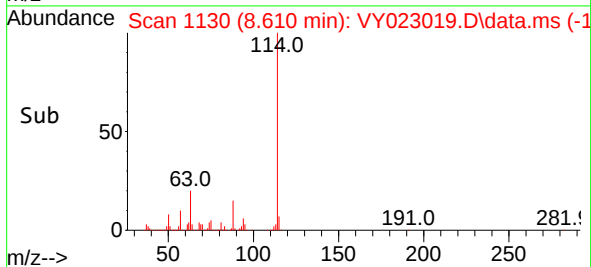
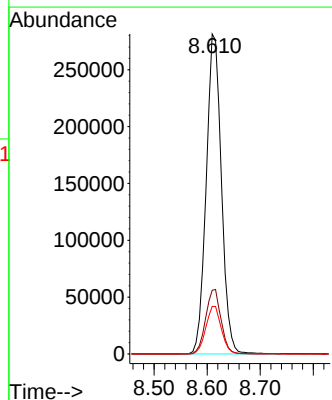
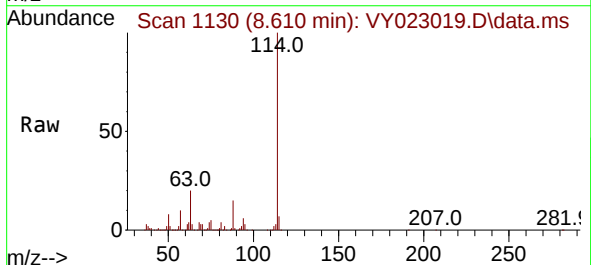
Tgt Ion: 114 Resp: 560715

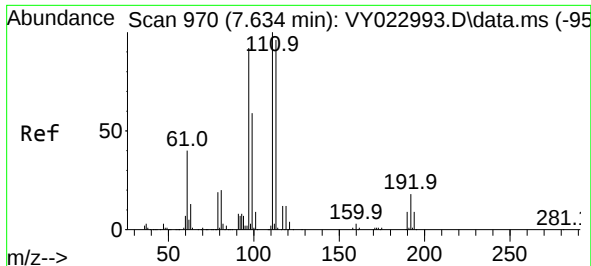
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

88 14.8 0.0 30.2

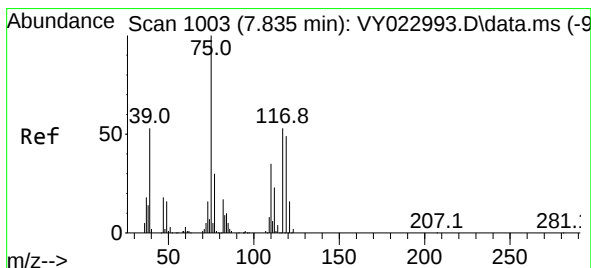
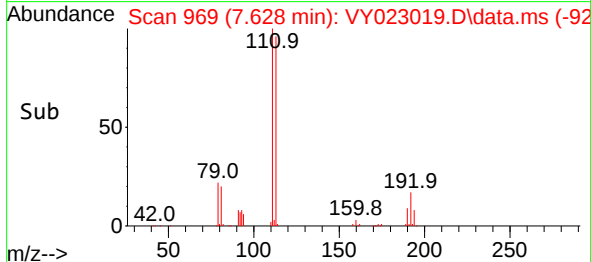
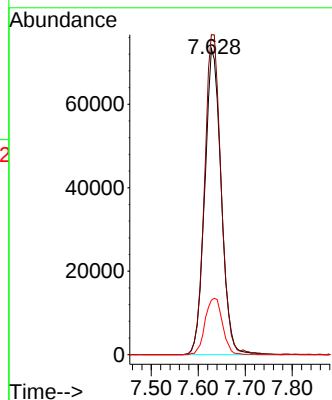
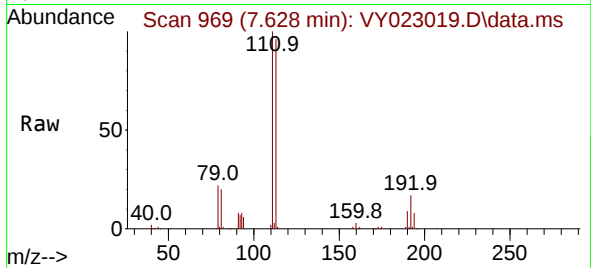




#35
Dibromofluoromethane
Concen: 50.003 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY023019.D
Acq: 21 Jul 2025 12:16

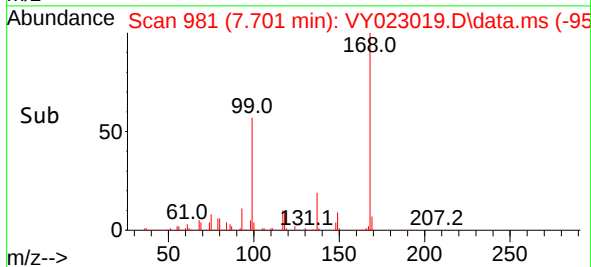
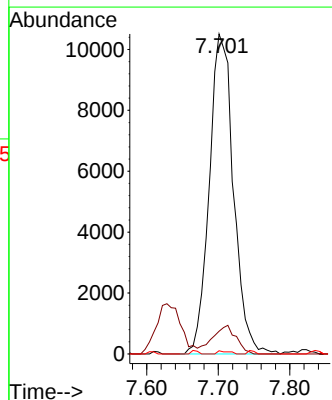
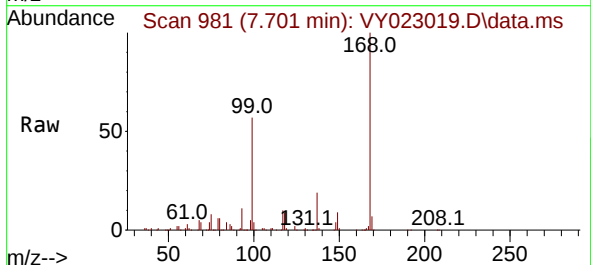
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-35-071725

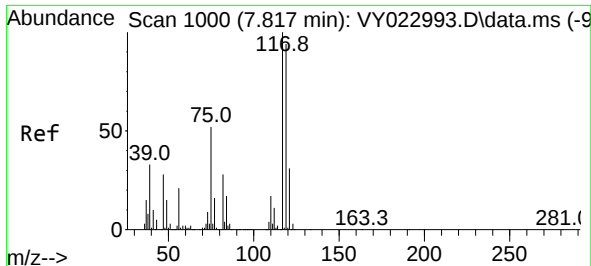
Tgt Ion:113 Resp: 177852
Ion Ratio Lower Upper
113 100
111 105.3 83.2 124.8
192 19.5 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.420 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY023019.D
Acq: 21 Jul 2025 12:16

Tgt Ion: 75 Resp: 24761
Ion Ratio Lower Upper
75 100
110 8.7 17.3 51.9#
77 0.5 24.6 37.0#

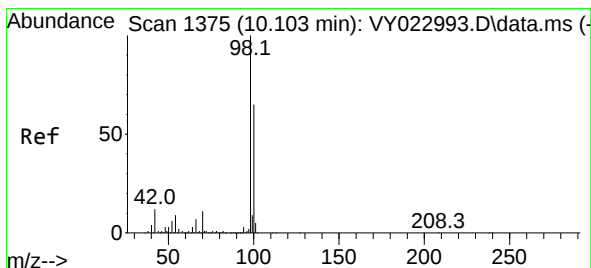
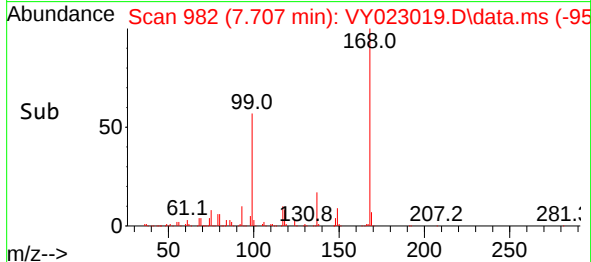
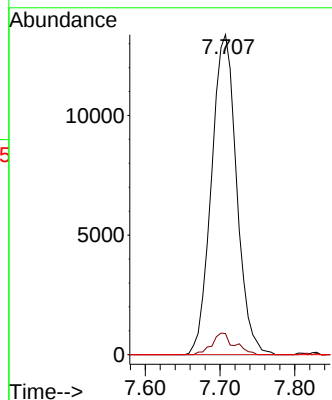
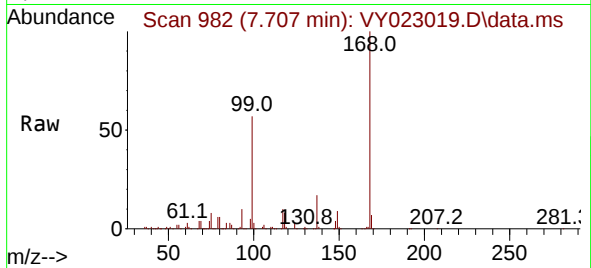




#38
Carbon Tetrachloride
Concen: 5.140 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023019.D
Acq: 21 Jul 2025 12:16

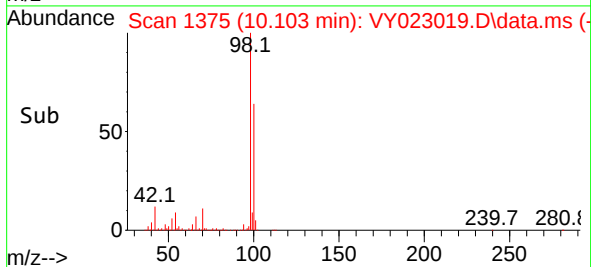
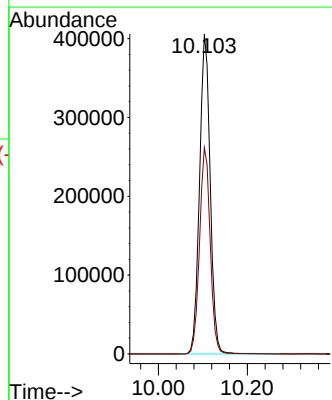
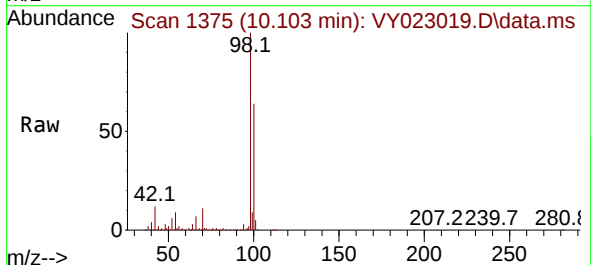
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-35-071725

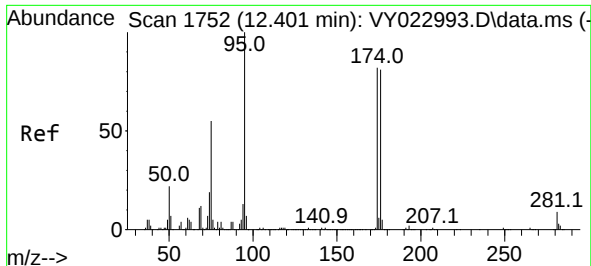
Tgt Ion:117 Resp: 31283
Ion Ratio Lower Upper
117 100
119 6.6 74.9 112.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 47.766 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023019.D
Acq: 21 Jul 2025 12:16

Tgt Ion: 98 Resp: 673735
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2

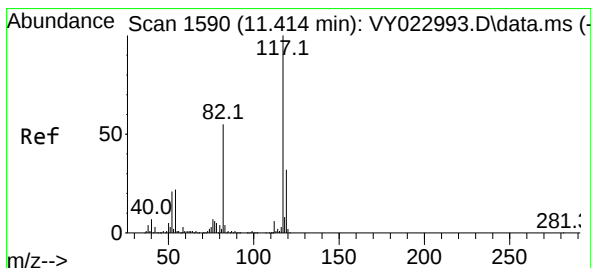
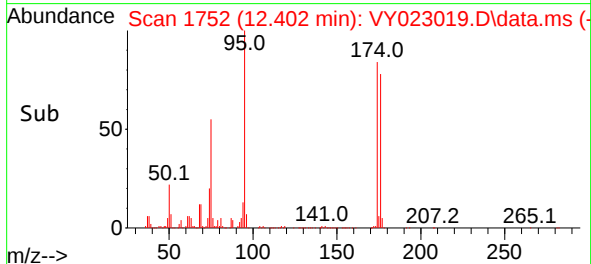
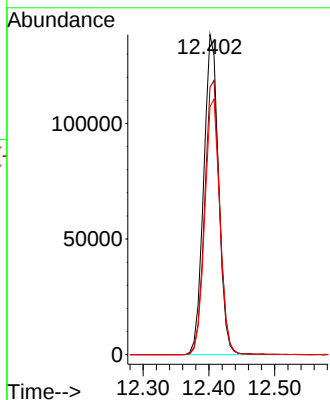
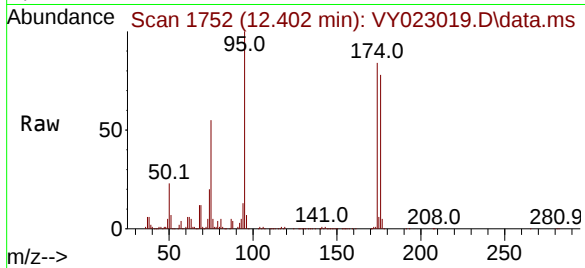




#62
4-Bromofluorobenzene
Concen: 49.037 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023019.D
Acq: 21 Jul 2025 12:16

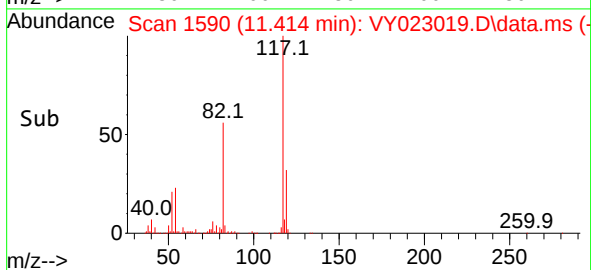
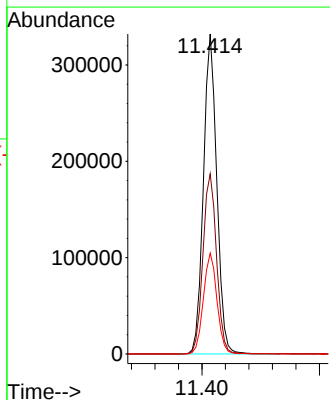
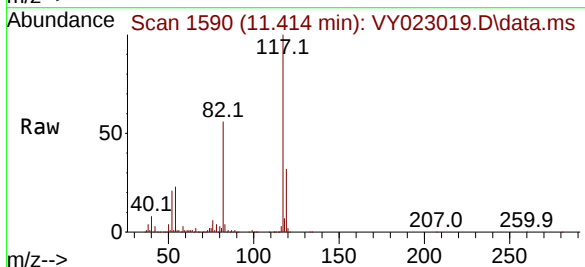
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-35-071725

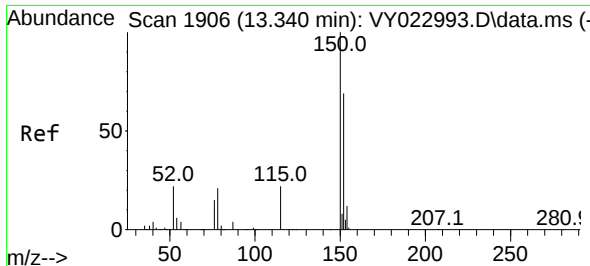
Tgt Ion: 95 Resp: 217724
Ion Ratio Lower Upper
95 100
174 87.1 0.0 170.8
176 81.0 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023019.D
Acq: 21 Jul 2025 12:16

Tgt Ion: 117 Resp: 524510
Ion Ratio Lower Upper
117 100
82 56.3 44.3 66.5
119 31.5 25.8 38.8

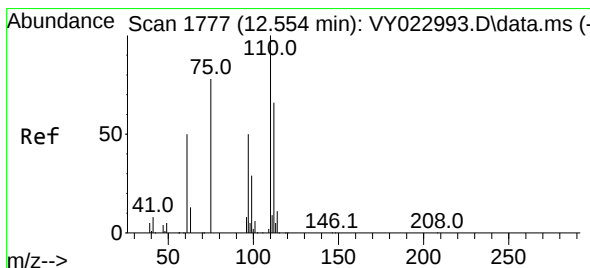
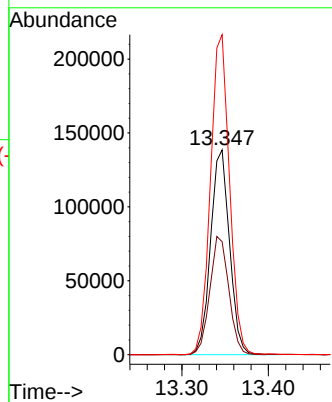
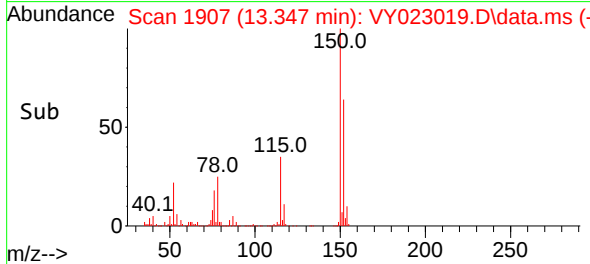
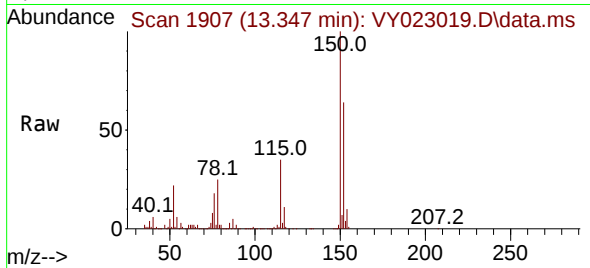




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VY023019.D
 Acq: 21 Jul 2025 12:16

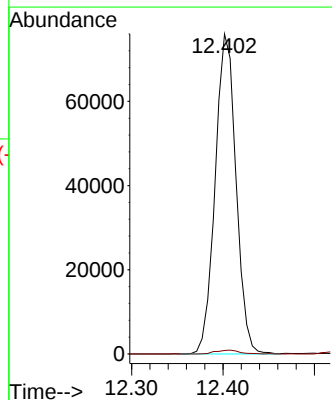
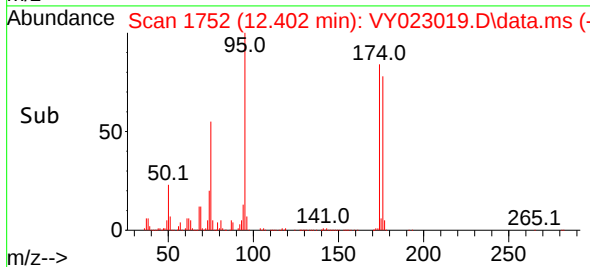
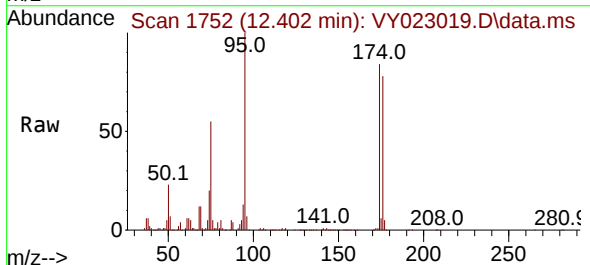
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-35-071725

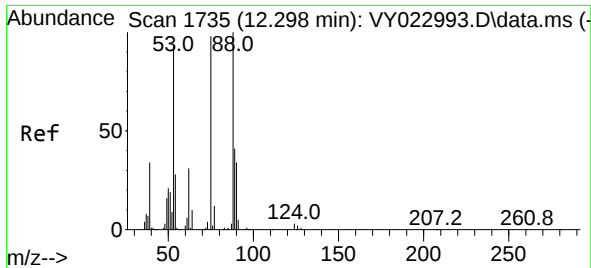
Tgt Ion:152 Resp: 210422
 Ion Ratio Lower Upper
 152 100
 115 58.0 29.4 88.2
 150 157.3 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 45.984 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023019.D
 Acq: 21 Jul 2025 12:16

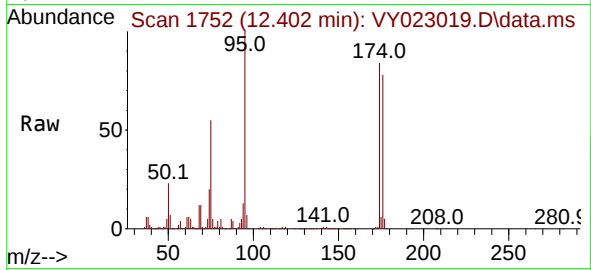
Tgt Ion: 75 Resp: 120570
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.960 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023019.D
 Acq: 21 Jul 2025 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-35-071725



Tgt Ion: 75 Resp: 120570
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.2 36.1 54.1#

