

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022955.D
 Acq On : 07 Jul 2025 13:15
 Operator : SY/MD
 Sample : Q2487-07
 Misc : 5.42g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G1(4.5)RE

Quant Time: Jul 08 01:46:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

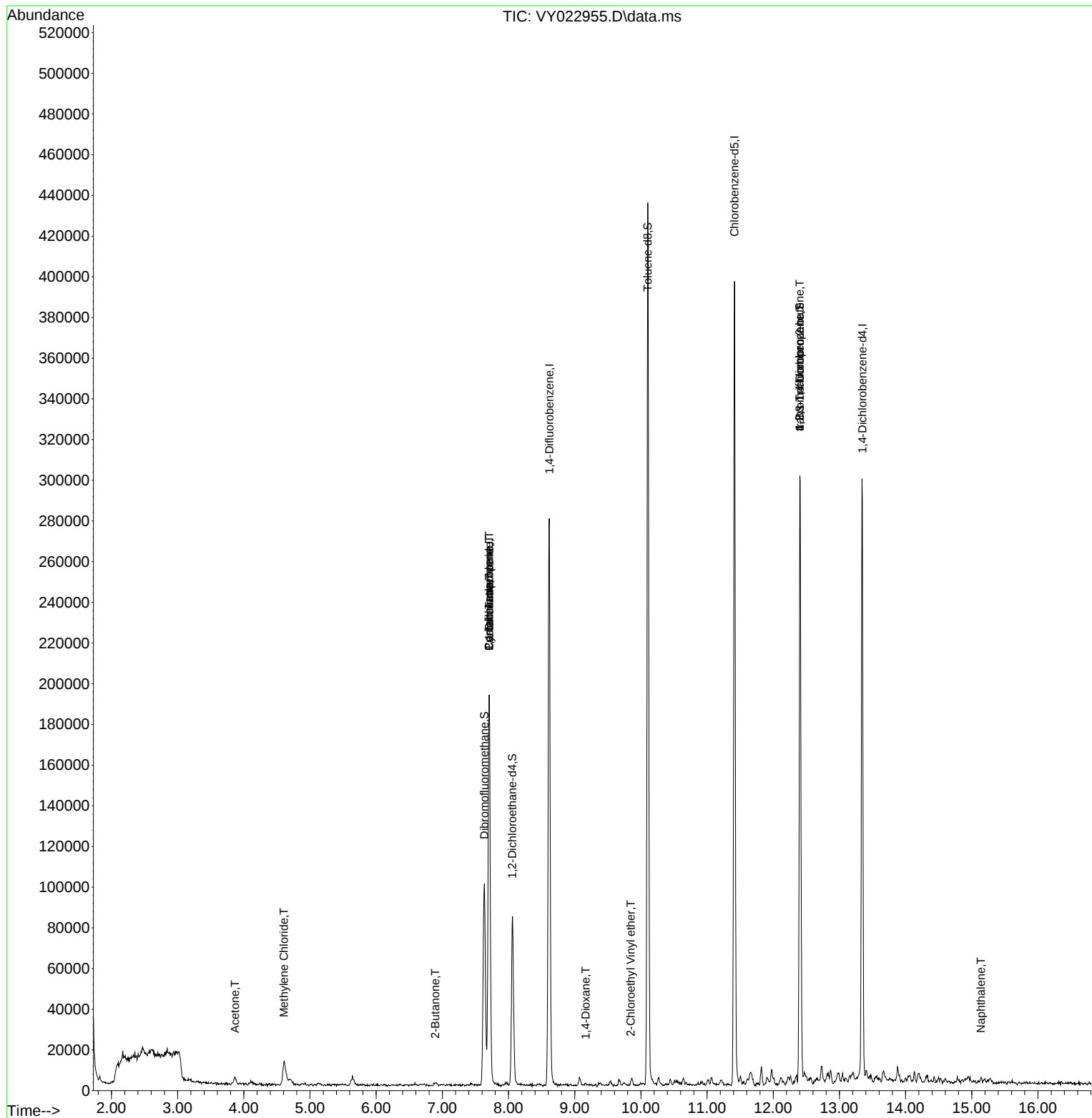
Internal Standards						
1) Pentafluorobenzene	7.707	168	143475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	238103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	198851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	72469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	63662	39.756	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.520%
35) Dibromofluoromethane	7.634	113	71109	49.107	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.220%
50) Toluene-d8	10.103	98	277719	48.333	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.660%
62) 4-Bromofluorobenzene	12.401	95	77315	41.856	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.720%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	5636	18.621	ug/l #	82
20) Methylene Chloride	4.604	84	8252	4.317	ug/l #	89
25) 2-Butanone	6.890	43	1841	4.179	ug/l #	80
31) Cyclohexane	7.707	56	3927	1.428	ug/l #	28
36) 1,1-Dichloropropene	7.707	75	12392	5.646	ug/l #	52
38) Carbon Tetrachloride	7.707	117	14652	6.327	ug/l #	19
49) 1,4-Dioxane	9.164	88	30	2.832	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.847	63	22	15.680	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	44380	59.985	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	44380	151.547	ug/l #	11
95) Naphthalene	15.139	128	2497	1.137	ug/l #	89

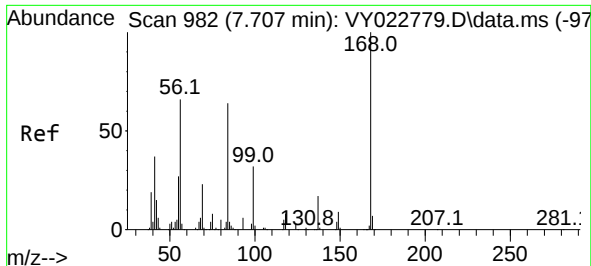
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022955.D
Acq On : 07 Jul 2025 13:15
Operator : SY/MD
Sample : Q2487-07
Misc : 5.42g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)RE

Quant Time: Jul 08 01:46:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

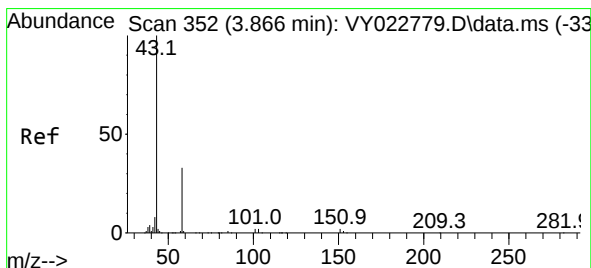
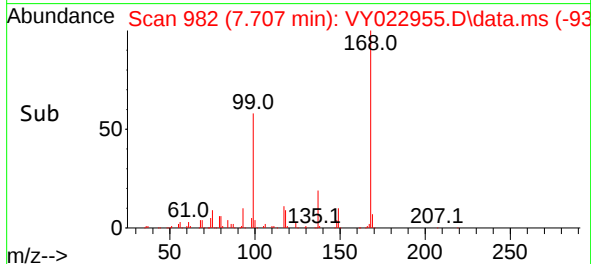
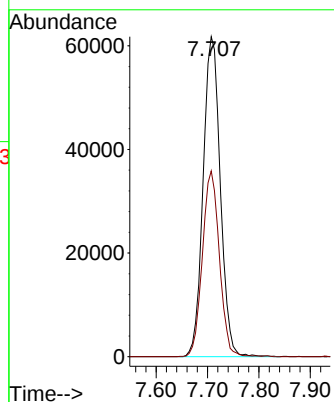
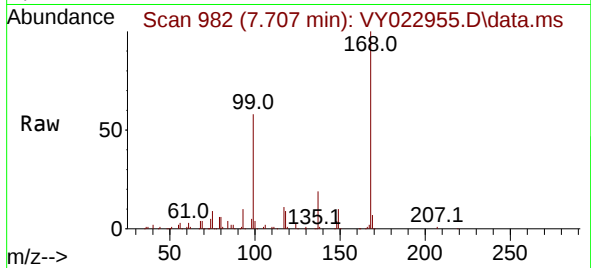




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

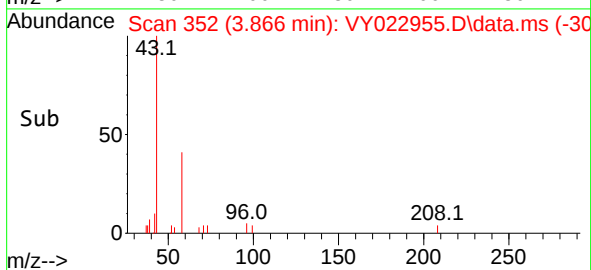
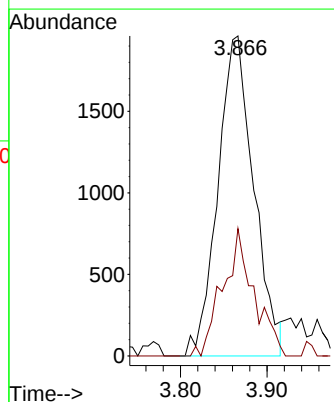
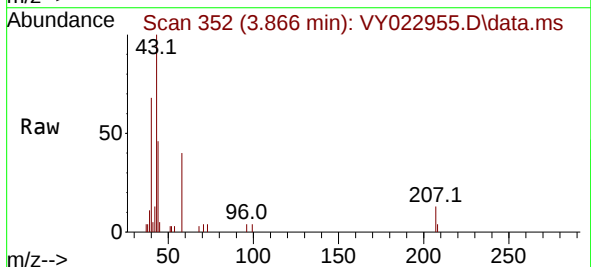
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)RE

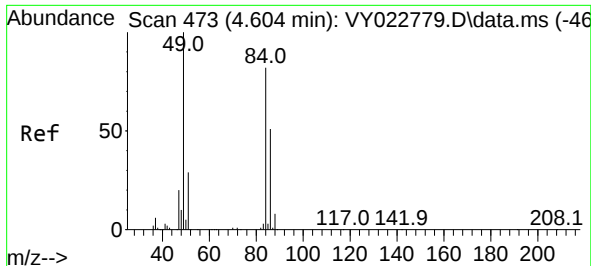
Tgt Ion:168 Resp: 143475
Ion Ratio Lower Upper
168 100
99 58.0 44.3 66.5



#16
Acetone
Concen: 18.621 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

Tgt Ion: 43 Resp: 5636
Ion Ratio Lower Upper
43 100
58 39.8 24.0 36.0#

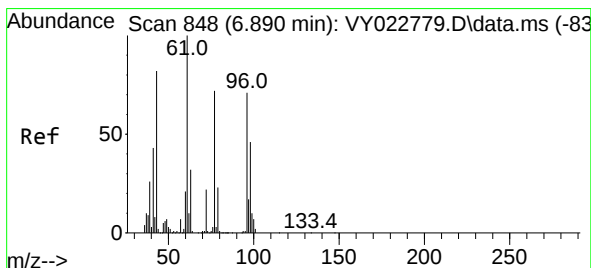
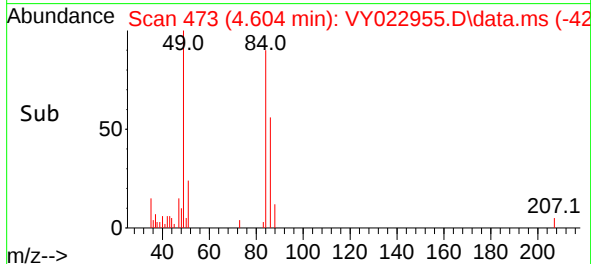
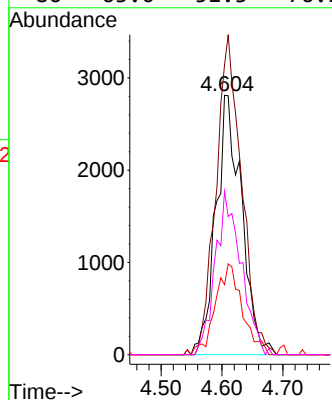
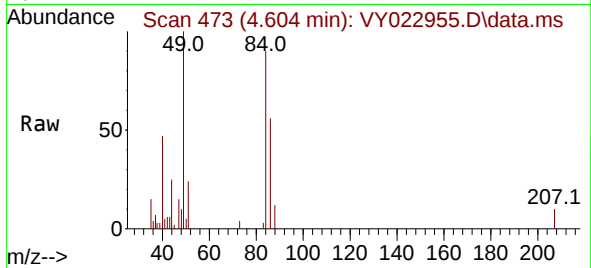




#20
Methylene Chloride
Concen: 4.317 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

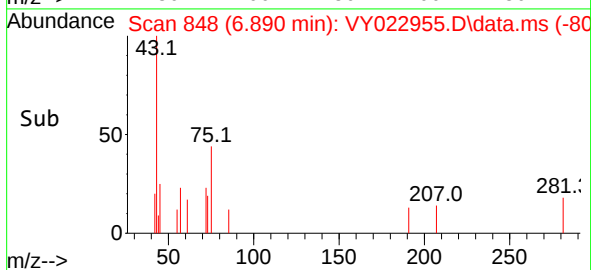
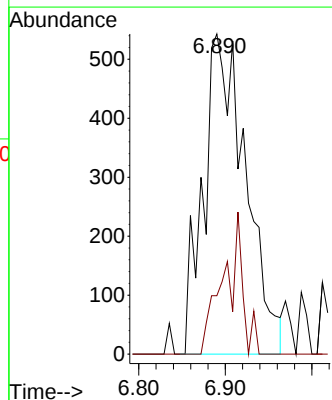
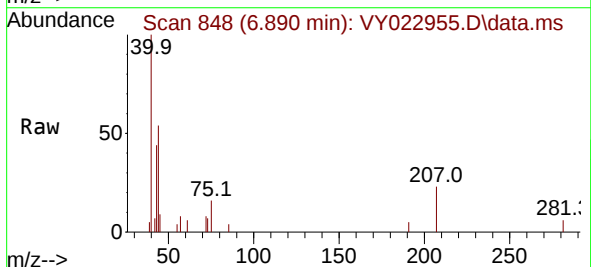
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)RE

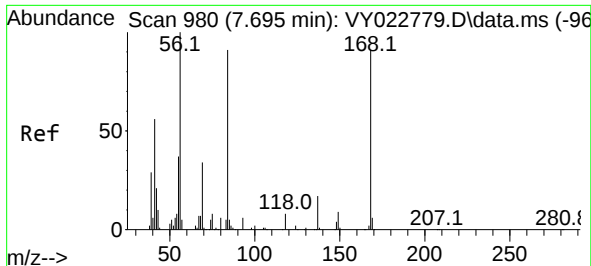
Tgt Ion:	84	Resp:	8252
Ion	Ratio	Lower	Upper
84	100		
49	111.6	101.9	152.9
51	27.0	29.8	44.8#
86	63.0	51.3	76.9



#25
2-Butanone
Concen: 4.179 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

Tgt Ion:	43	Resp:	1841
Ion	Ratio	Lower	Upper
43	100		
72	18.2	22.9	34.3#

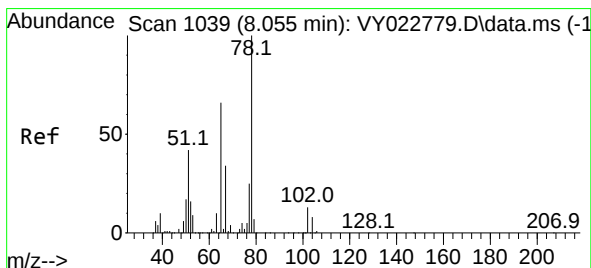
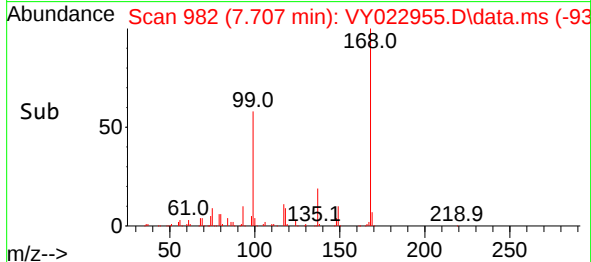
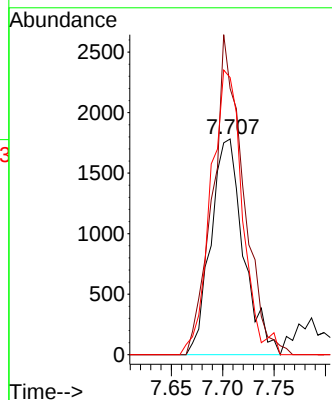
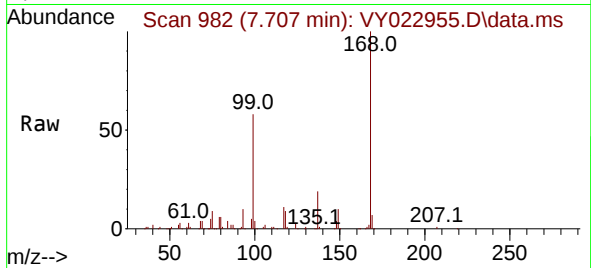




#31
Cyclohexane
Concen: 1.428 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

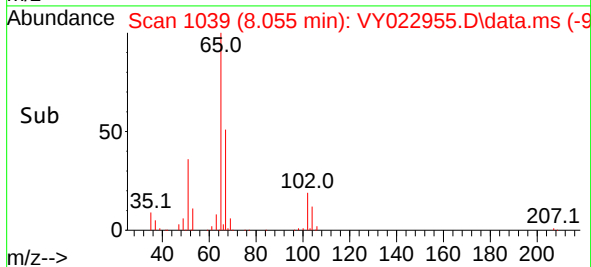
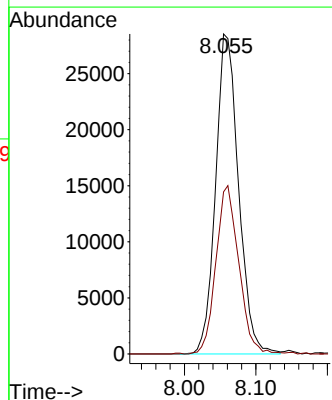
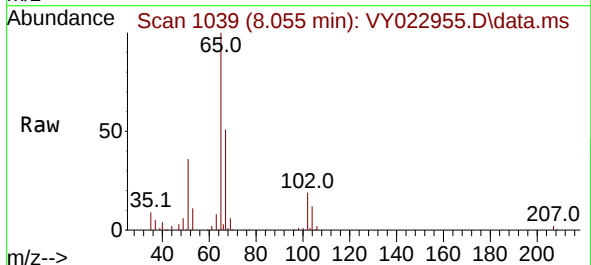
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)RE

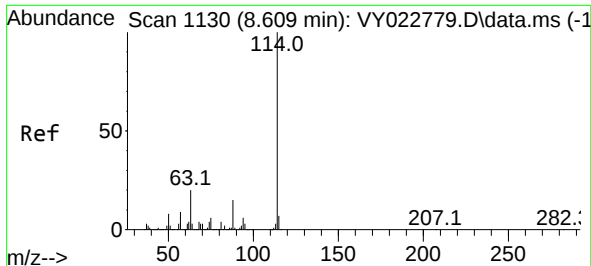
Tgt Ion: 56 Resp: 3927
Ion Ratio Lower Upper
56 100
69 123.3 27.0 40.6#
84 128.5 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 39.756 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

Tgt Ion: 65 Resp: 63662
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022955.D

Acq: 07 Jul 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

G1(4.5)RE

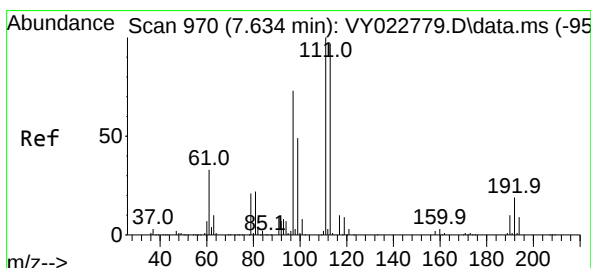
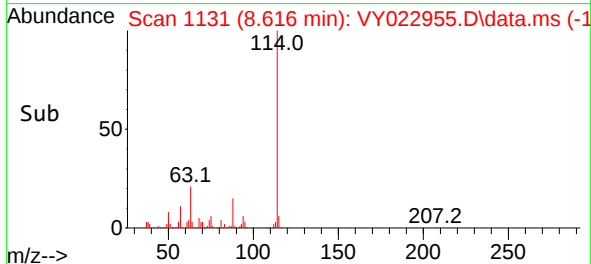
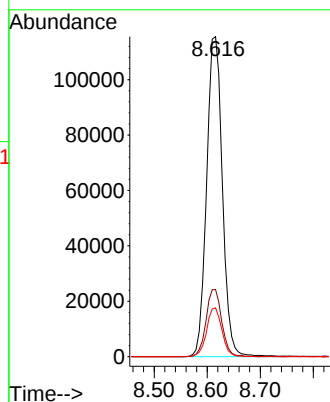
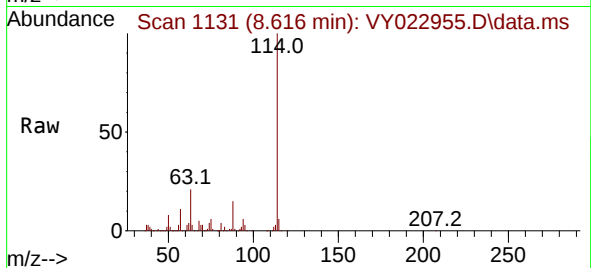
Tgt Ion:114 Resp: 238103

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 15.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 49.107 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022955.D

Acq: 07 Jul 2025 13:15

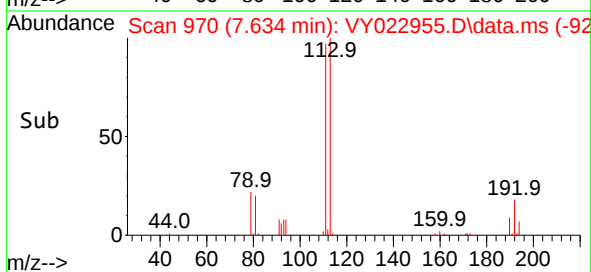
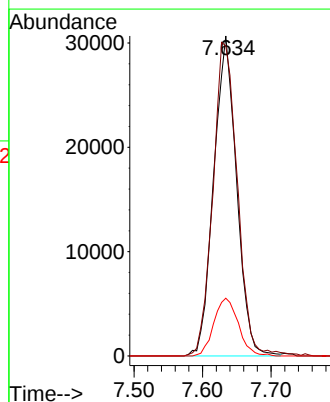
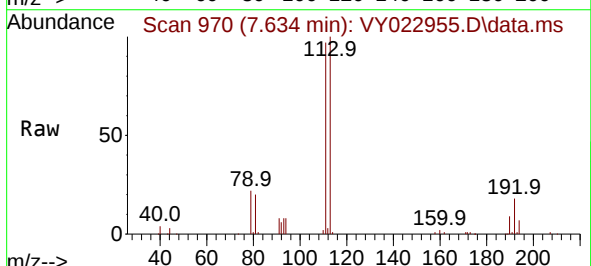
Tgt Ion:113 Resp: 71109

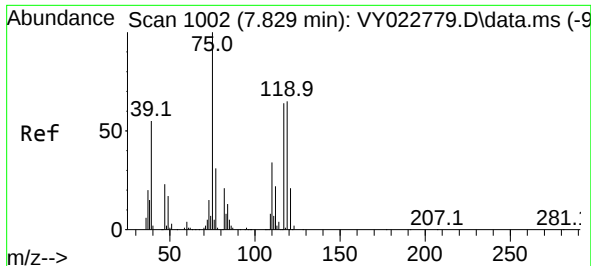
Ion Ratio Lower Upper

113 100

111 104.7 81.1 121.7

192 19.3 14.2 21.2

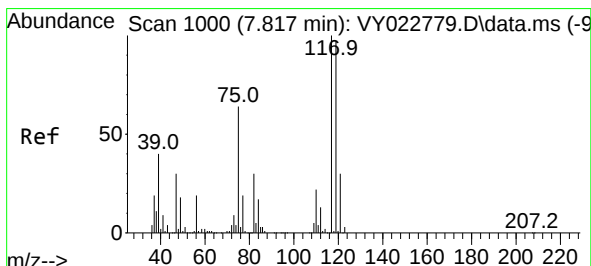
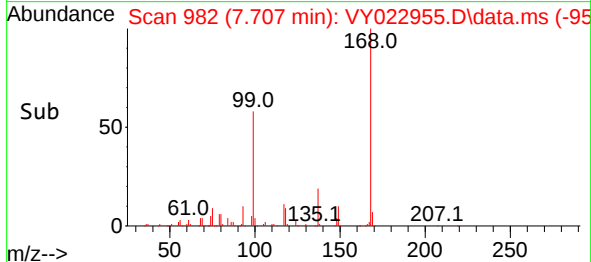
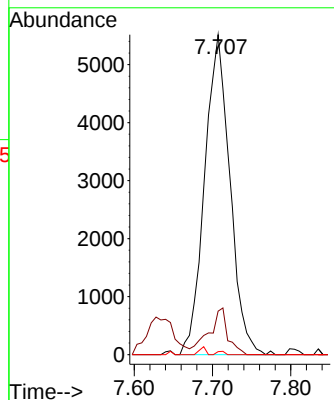
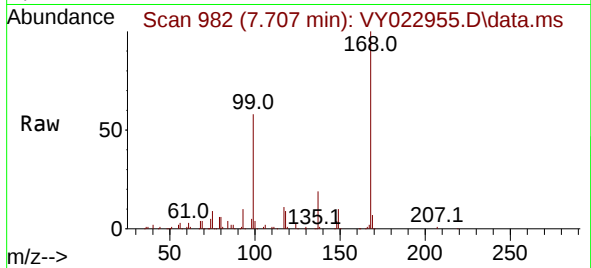




#36
1,1-Dichloropropene
Concen: 5.646 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

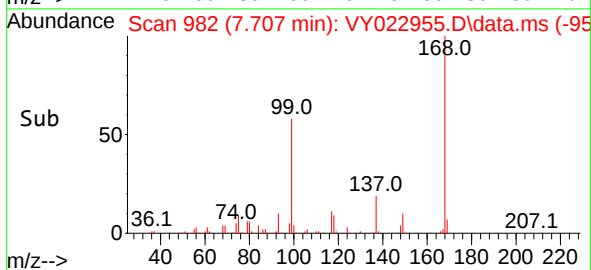
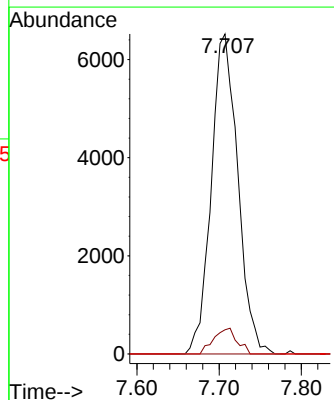
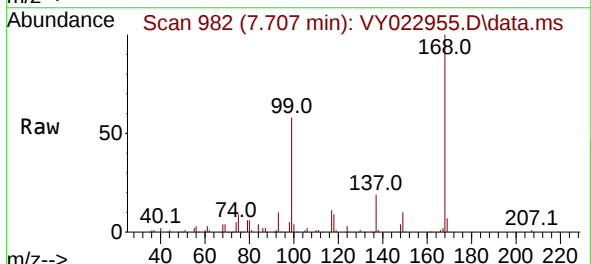
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)RE

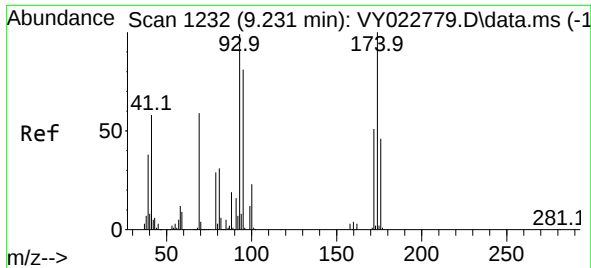
Tgt Ion: 75 Resp: 12392
Ion Ratio Lower Upper
75 100
110 10.9 16.9 50.7#
77 0.3 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.327 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

Tgt Ion: 117 Resp: 14652
Ion Ratio Lower Upper
117 100
119 7.5 75.0 112.6#
121 0.0 25.0 37.4#

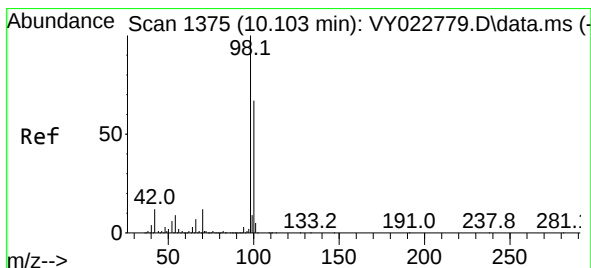
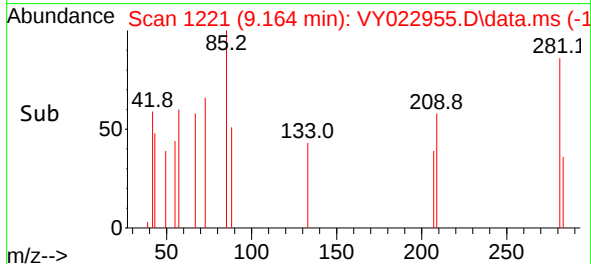
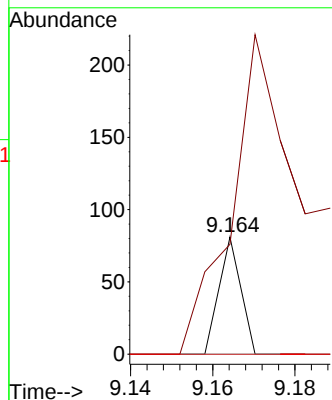
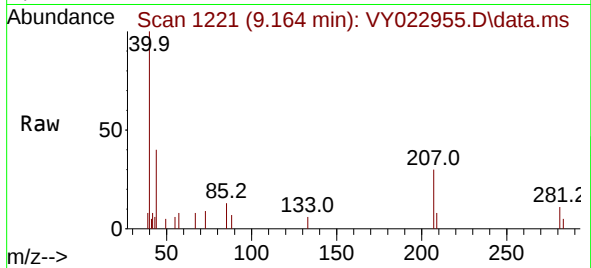




#49
1,4-Dioxane
Concen: 2.832 ug/l
RT: 9.164 min Scan# 11
Delta R.T. -0.079 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

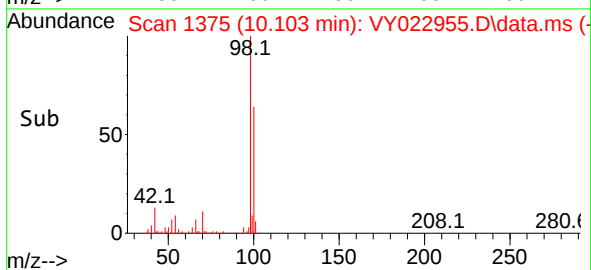
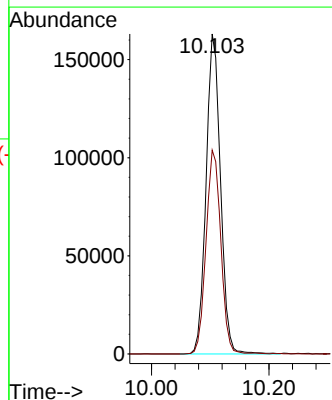
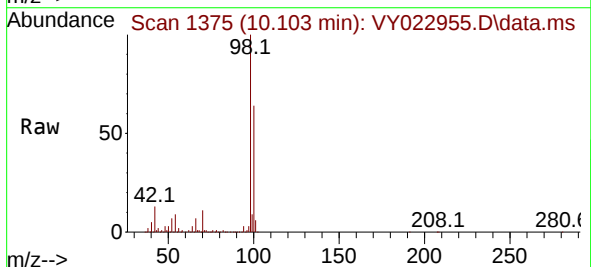
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)RE

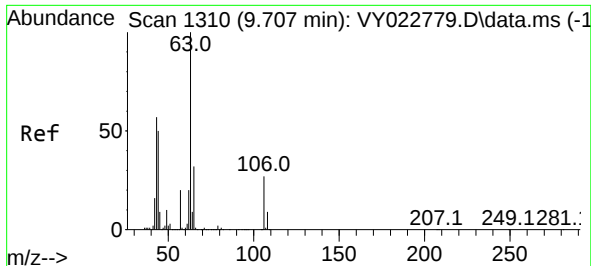
Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 963.3 25.4 38.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 48.333 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

Tgt Ion: 98 Resp: 277719
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0

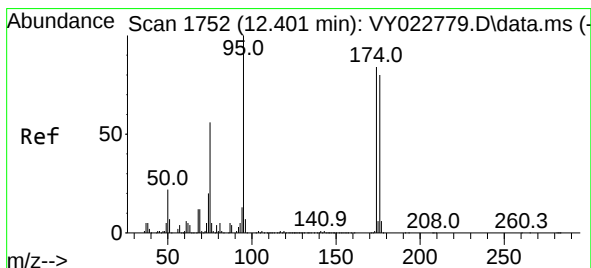
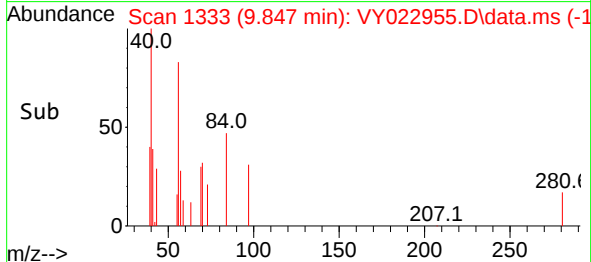
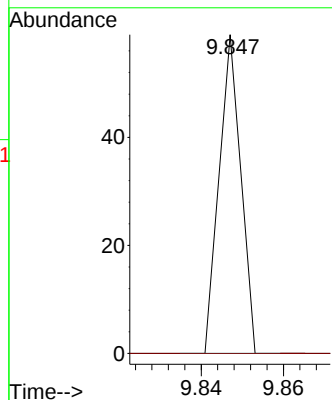
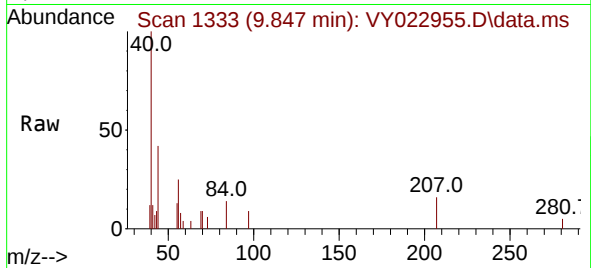




#58
2-Chloroethyl Vinyl ether
Concen: 15.680 ug/l
RT: 9.847 min Scan# 11
Delta R.T. 0.134 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

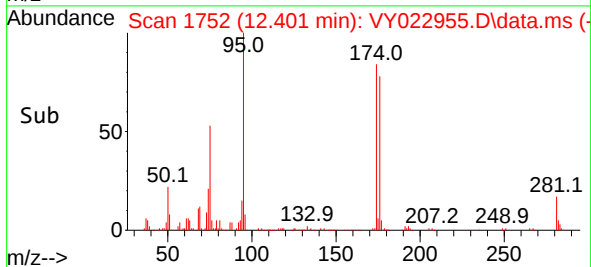
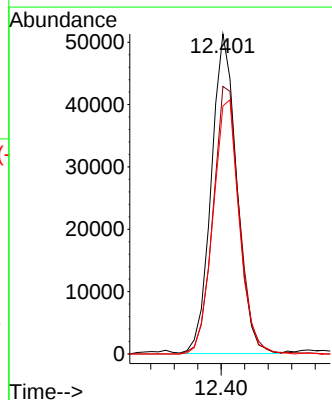
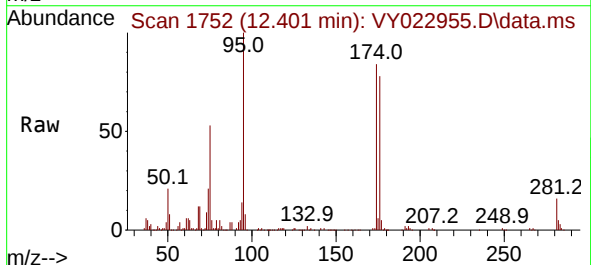
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)RE

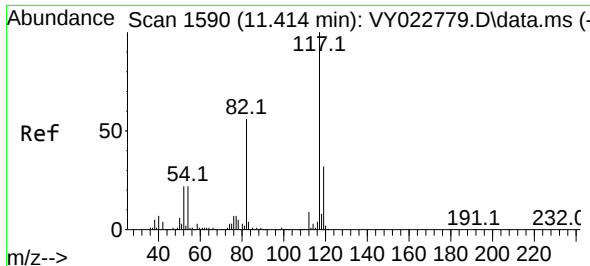
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 41.856 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

Tgt Ion: 95 Resp: 77315
Ion Ratio Lower Upper
95 100
174 86.6 0.0 170.0
176 82.1 0.0 166.2

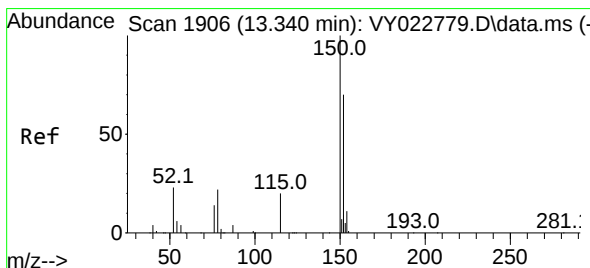
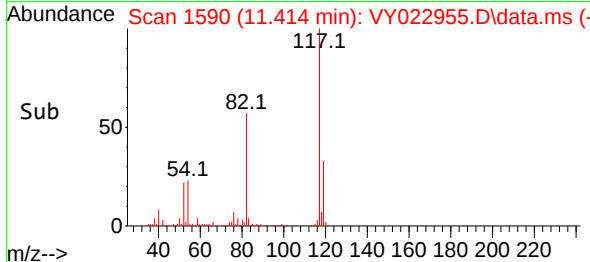
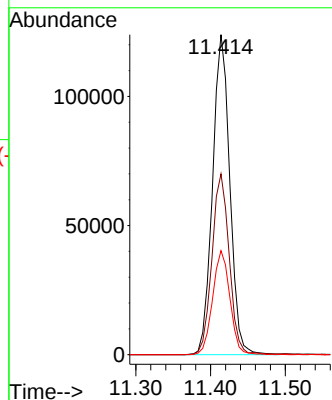
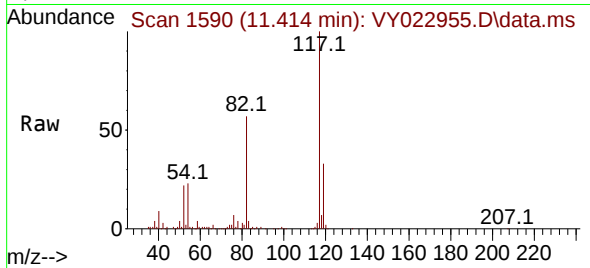




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

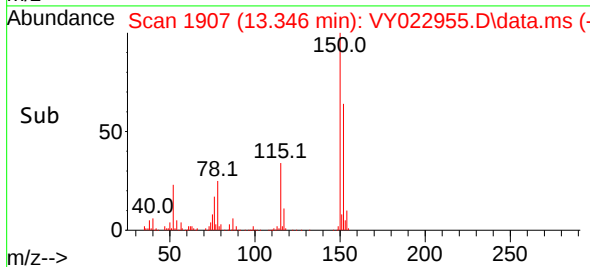
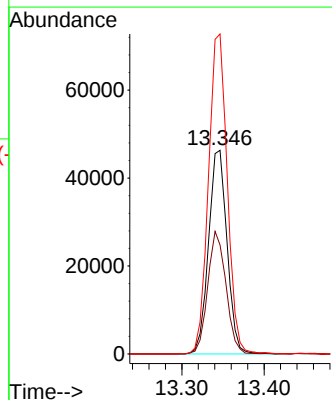
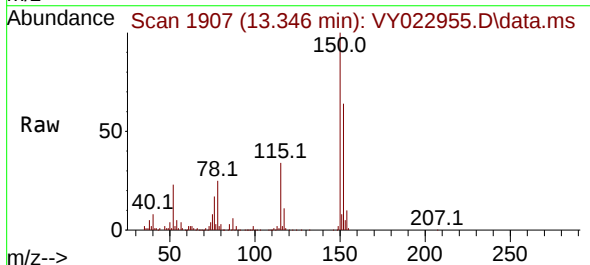
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)RE

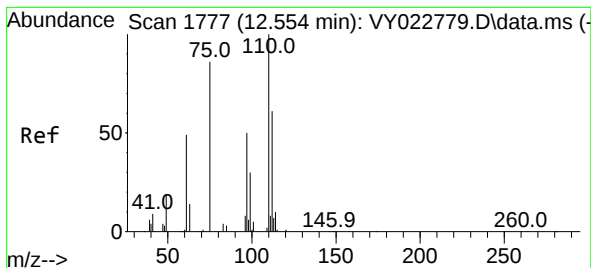
Tgt Ion:117 Resp: 198851
Ion Ratio Lower Upper
117 100
82 56.5 44.6 66.8
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

Tgt Ion:152 Resp: 72469
Ion Ratio Lower Upper
152 100
115 59.4 28.9 86.7
150 159.5 0.0 349.6

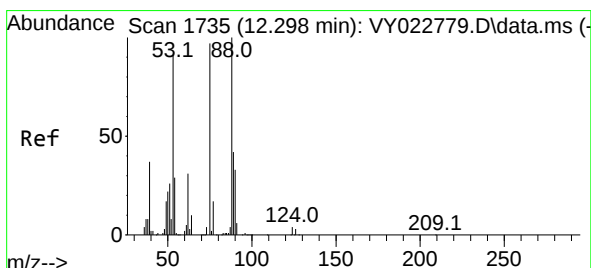
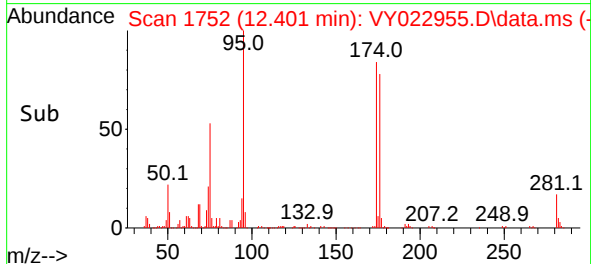
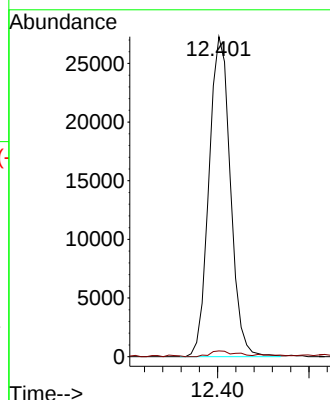
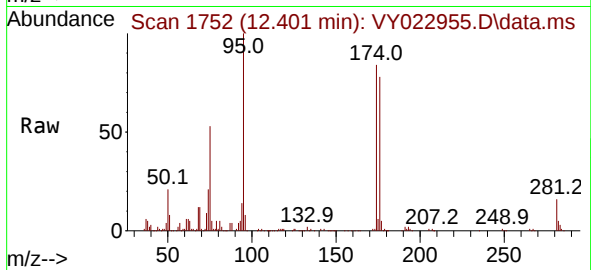




#76
1,2,3-Trichloropropane
Concen: 59.985 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

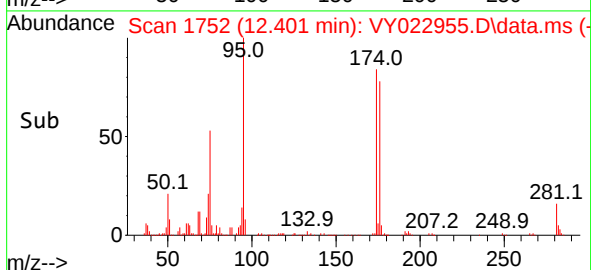
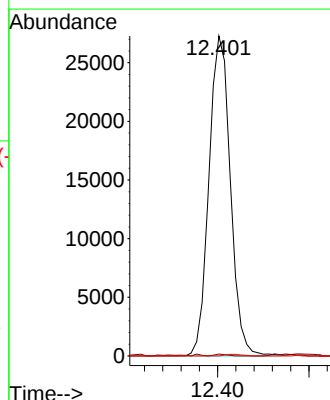
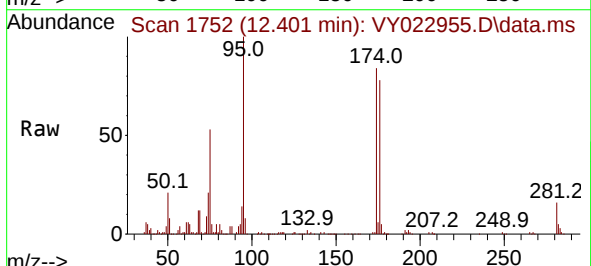
Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)RE

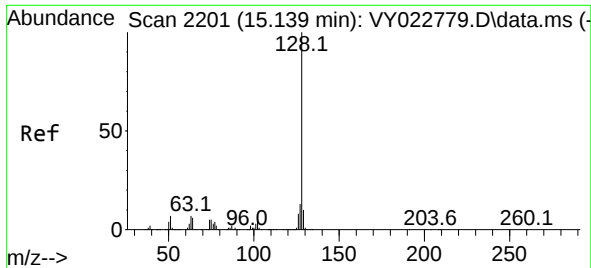
Tgt Ion: 75 Resp: 44380
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 151.547 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022955.D
Acq: 07 Jul 2025 13:15

Tgt Ion: 75 Resp: 44380
Ion Ratio Lower Upper
75 100
53 0.3 78.5 117.7#
89 0.4 35.7 53.5#





#95

Naphthalene

Concen: 1.137 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY022955.D

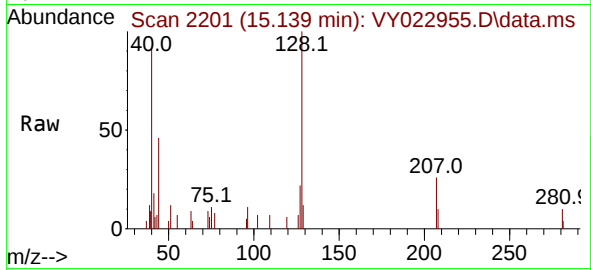
Acq: 07 Jul 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

G1(4.5)RE



Tgt Ion:	128	Resp:	2497
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.4	15.6
129	18.3	8.9	13.3

