

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102925\
 Data File : VY023617.D
 Acq On : 29 Oct 2025 12:02
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 03:16:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	632127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1042386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	858848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	331788	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	271426	51.349	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.700%
35) Dibromofluoromethane	7.634	113	324562	50.673	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.340%
50) Toluene-d8	10.109	98	1181944	49.552	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.408	95	319952	40.629	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.260%

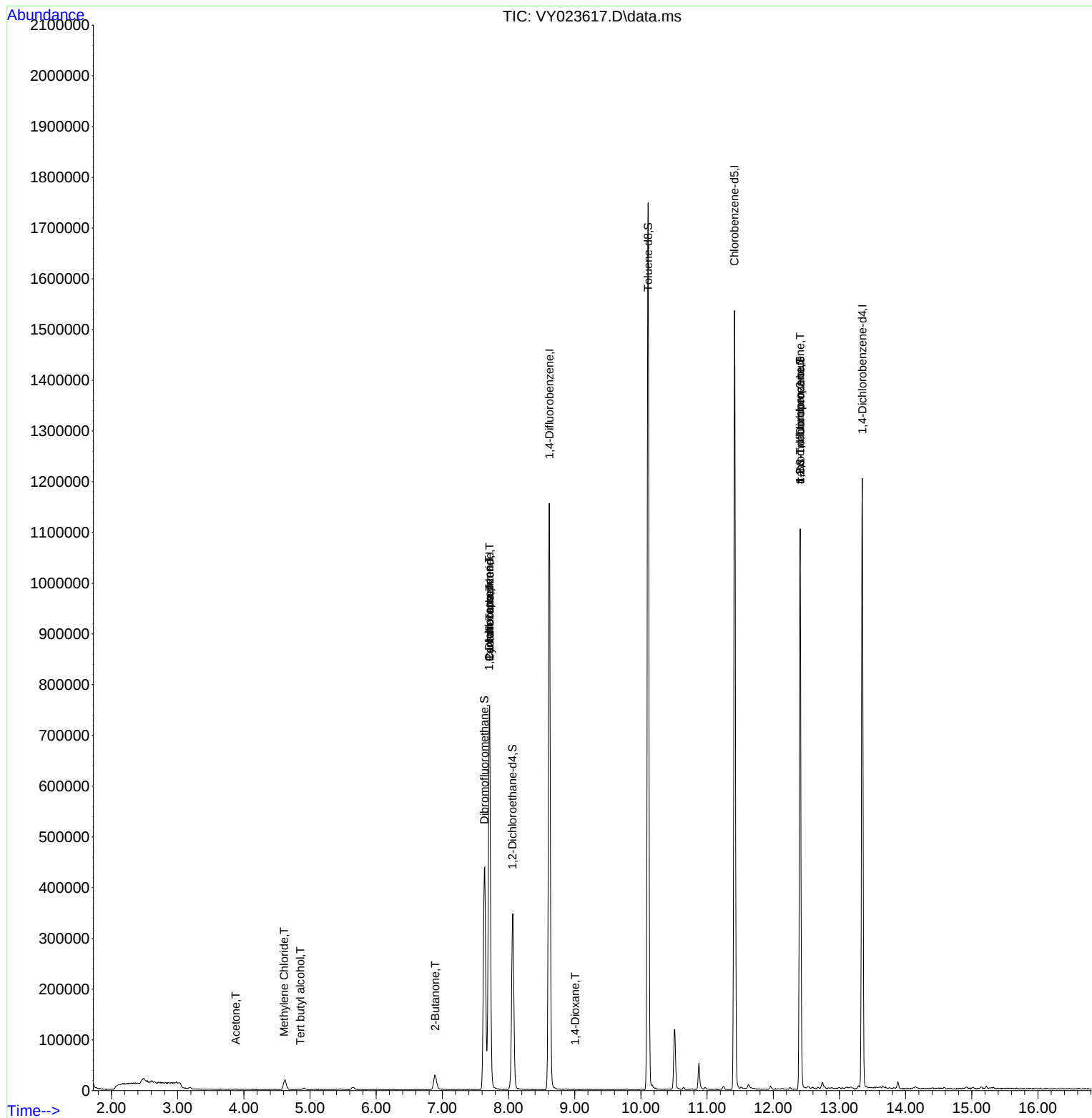
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.854	59	425	1.081	ug/l #	72
16) Acetone	3.879	43	1345	1.069	ug/l #	73
20) Methylene Chloride	4.610	84	15109	2.220	ug/l #	95
25) 2-Butanone	6.890	43	1540	1.002	ug/l #	40
31) Cyclohexane	7.713	56	11433	1.300	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	41226	4.862	ug/l #	48
38) Carbon Tetrachloride	7.713	117	57813	5.623	ug/l #	16
49) 1,4-Dioxane	9.006	88	65	1.495	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	155288	53.049	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	155288	130.086	ug/l #	15

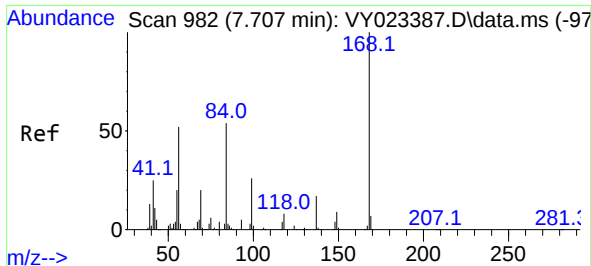
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102925\
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Quant Time: Oct 30 03:16:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

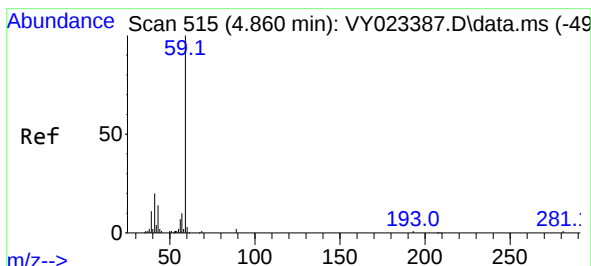
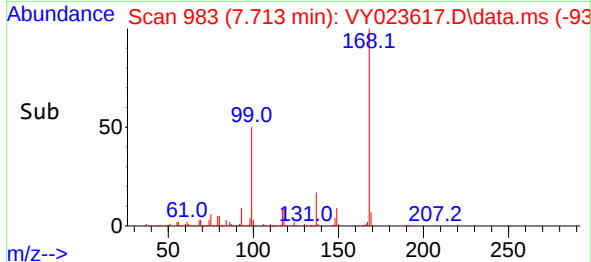
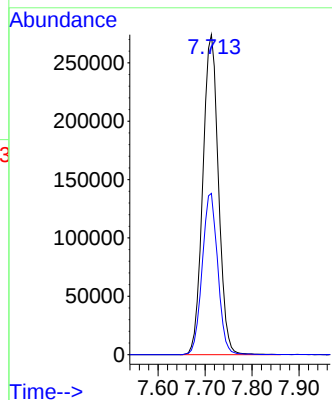
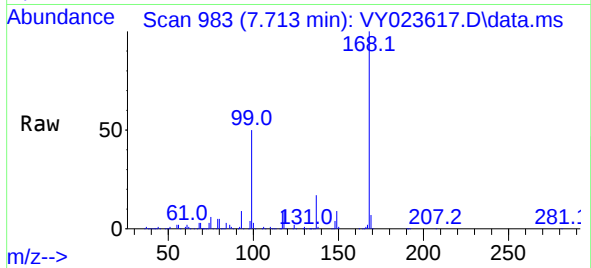




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

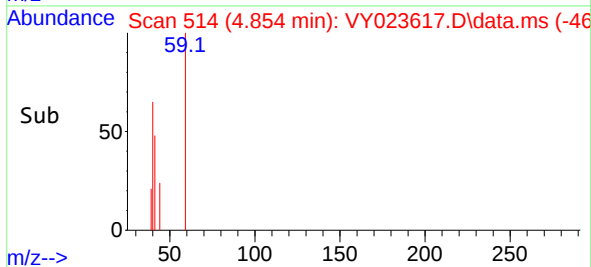
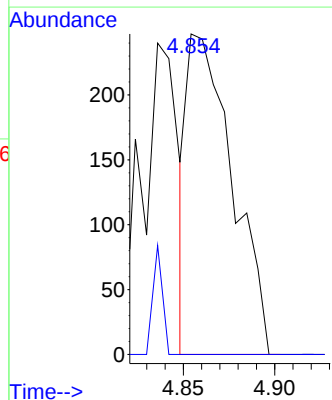
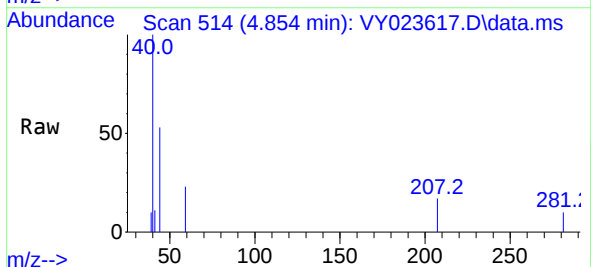
Instrument :
MSVOA_Y
ClientSampleId :

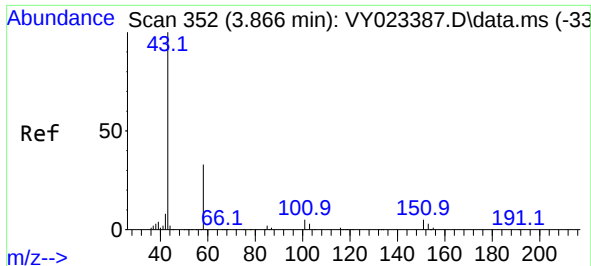
Tgt Ion:168 Resp: 632127
Ion Ratio Lower Upper
168 100
99 50.4 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.081 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

Tgt Ion: 59 Resp: 425
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

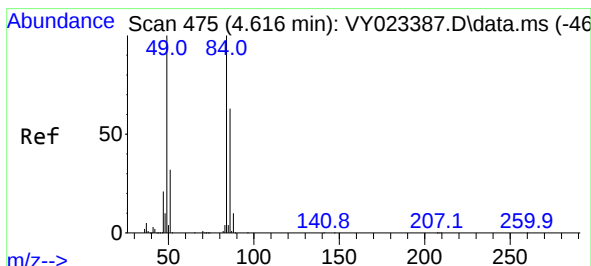
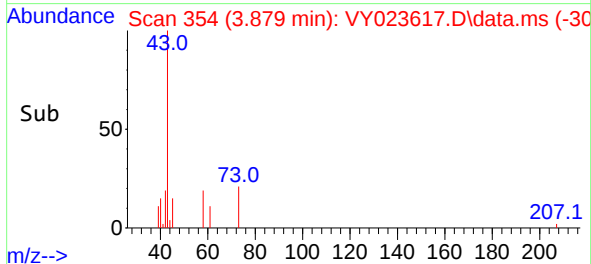
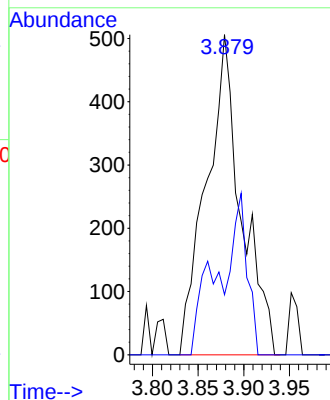
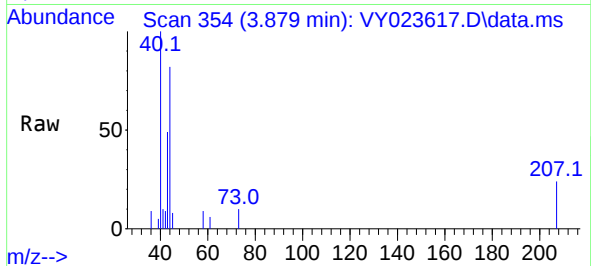




#16
Acetone
Concen: 1.069 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

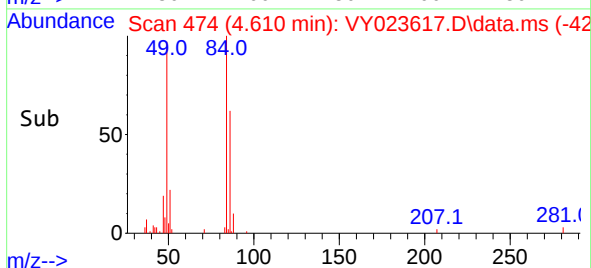
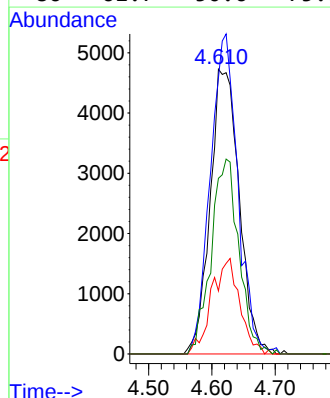
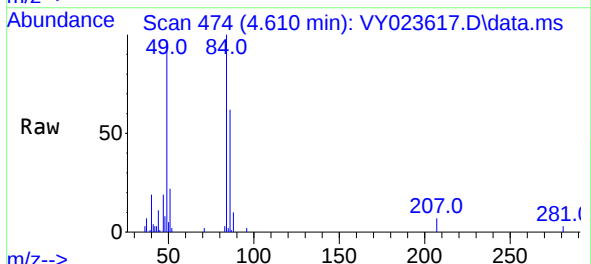
Instrument :
MSVOA_Y
ClientSampleId :

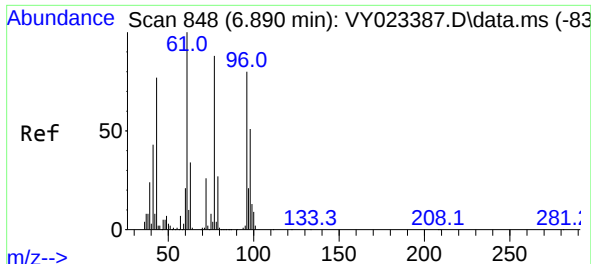
Tgt Ion: 43 Resp: 1345
Ion Ratio Lower Upper
43 100
58 18.8 27.7 41.5#



#20
Methylene Chloride
Concen: 2.220 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

Tgt Ion: 84 Resp: 15109
Ion Ratio Lower Upper
84 100
49 96.9 80.2 120.4
51 22.1 25.9 38.9#
86 61.7 50.6 75.8

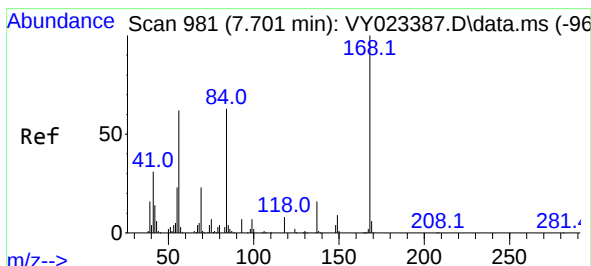
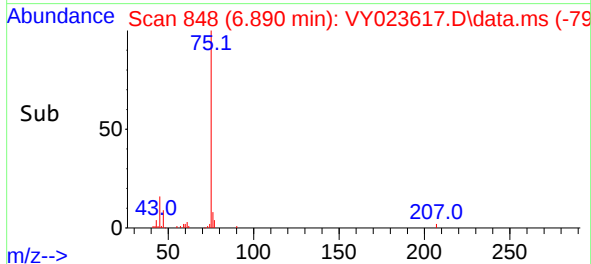
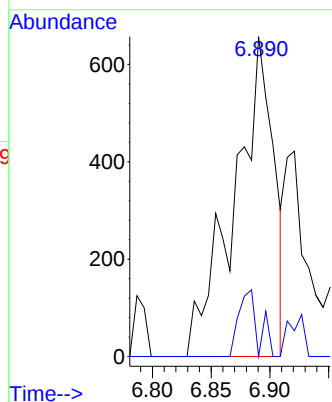
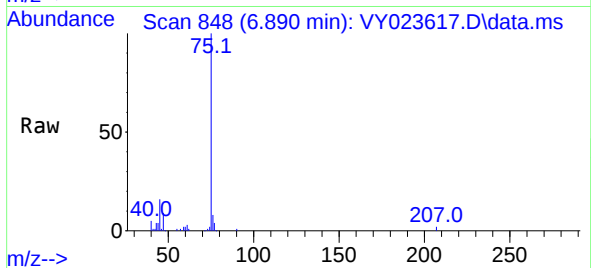




#25
2-Butanone
Concen: 1.002 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

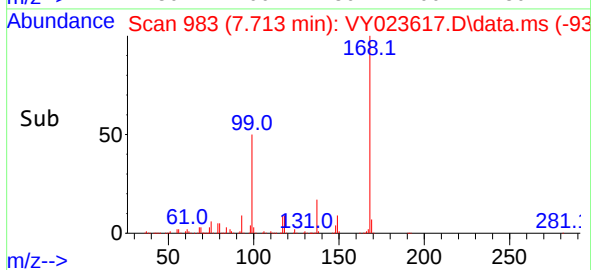
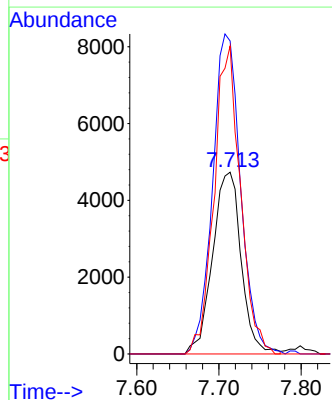
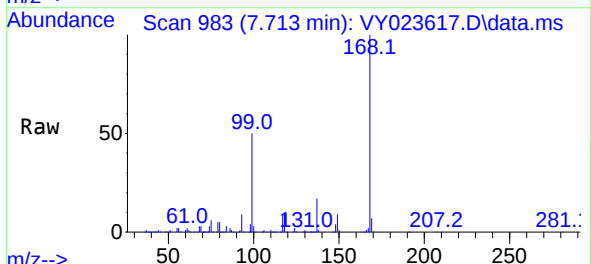
Instrument :
MSVOA_Y
ClientSampleId :

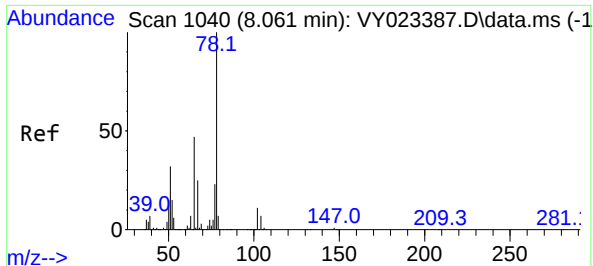
Tgt Ion: 43 Resp: 1540
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.2#



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

Tgt Ion: 56 Resp: 11433
Ion Ratio Lower Upper
56 100
69 172.2 30.0 45.0#
84 169.5 81.2 121.8#

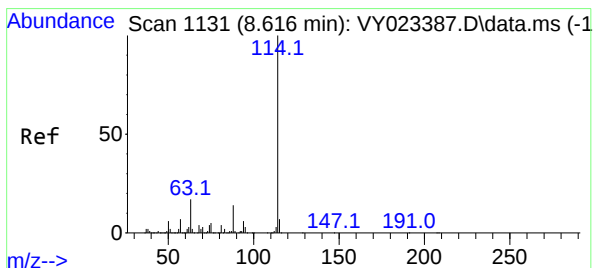
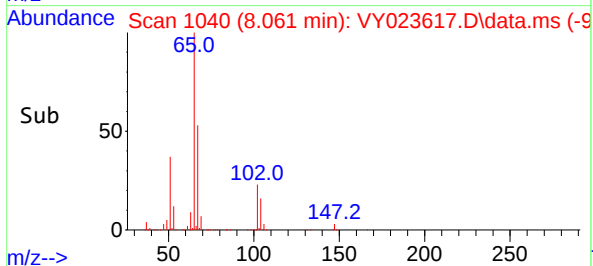
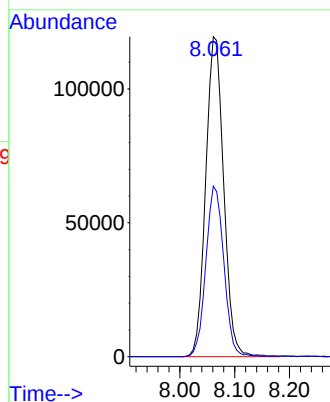
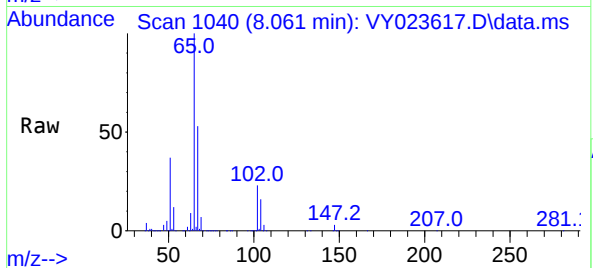




#33
1,2-Dichloroethane-d4
Concen: 51.349 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

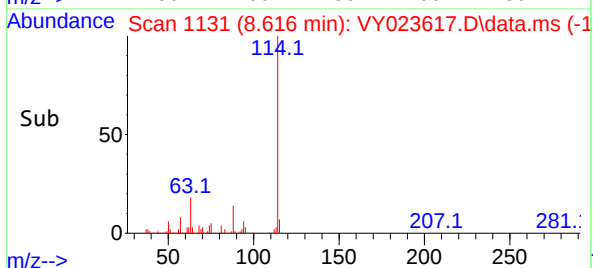
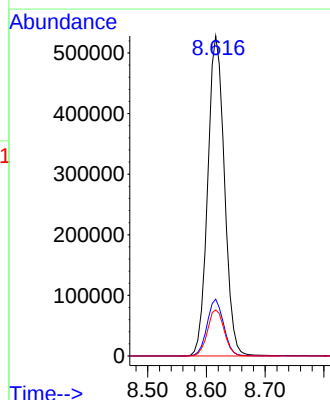
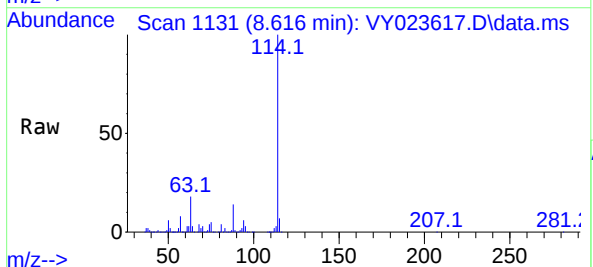
Instrument :
MSVOA_Y
ClientSampleId :

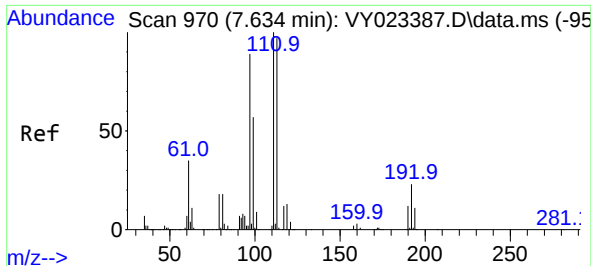
Tgt Ion: 65 Resp: 271426
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

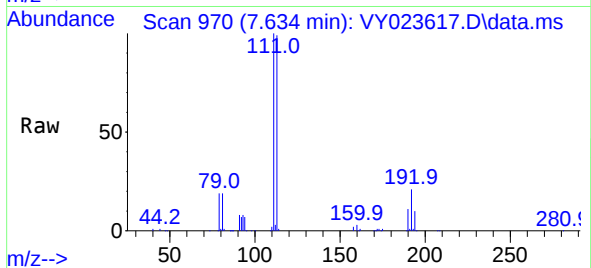
Tgt Ion:114 Resp: 1042386
Ion Ratio Lower Upper
114 100
63 17.7 0.0 34.2
88 14.4 0.0 28.4



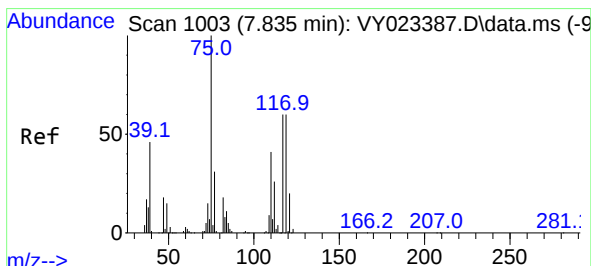
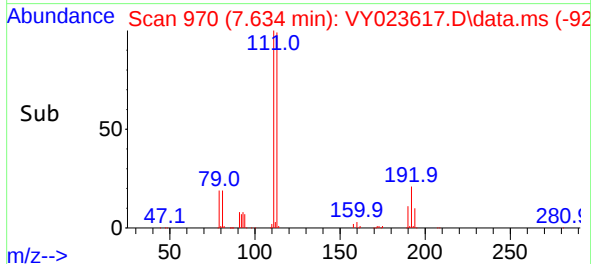
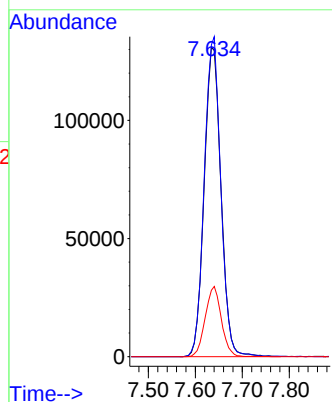


#35
Dibromofluoromethane
Concen: 50.673 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :

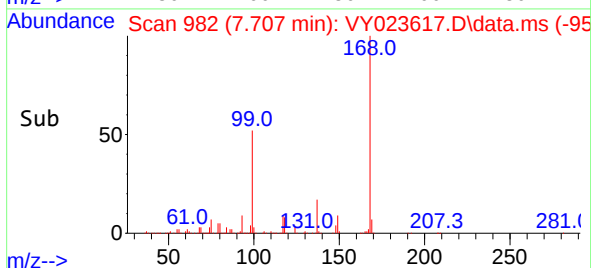
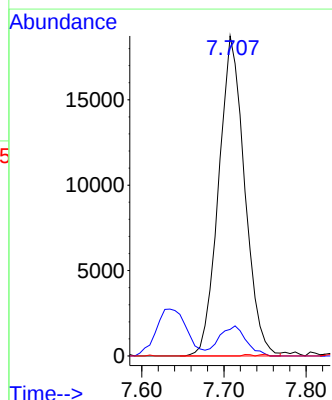
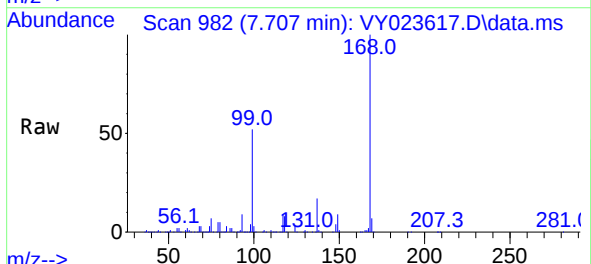


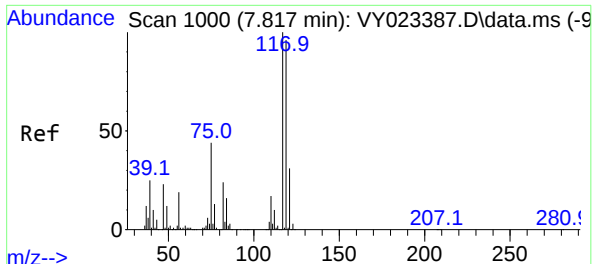
Tgt Ion:113 Resp: 324562
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 21.7 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.862 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

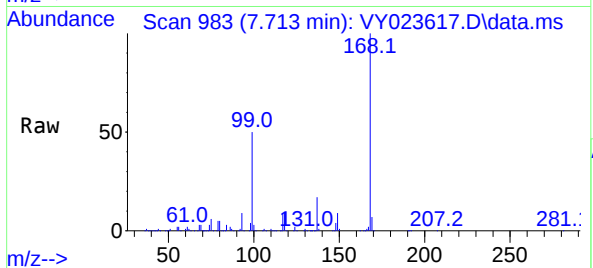
Tgt Ion: 75 Resp: 41226
Ion Ratio Lower Upper
75 100
110 9.7 19.9 59.7#
77 0.1 25.0 37.6#



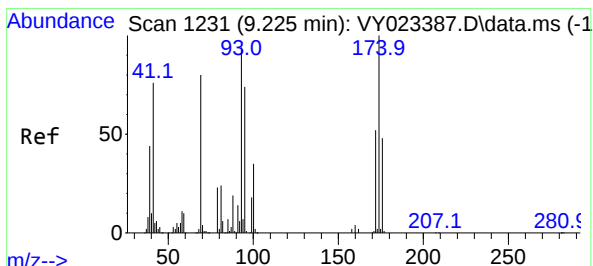
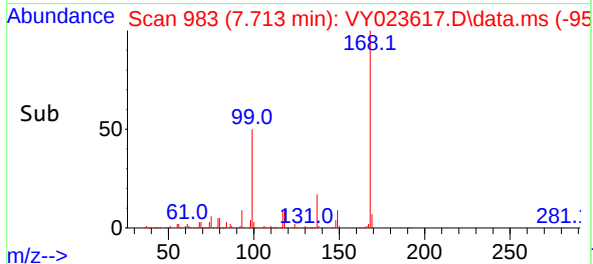
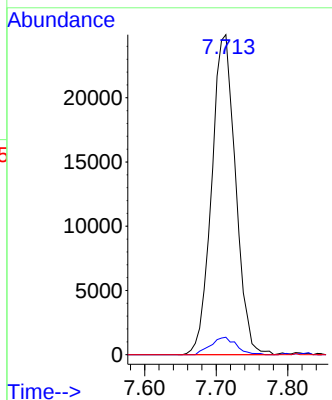


#38
Carbon Tetrachloride
Concen: 5.623 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :

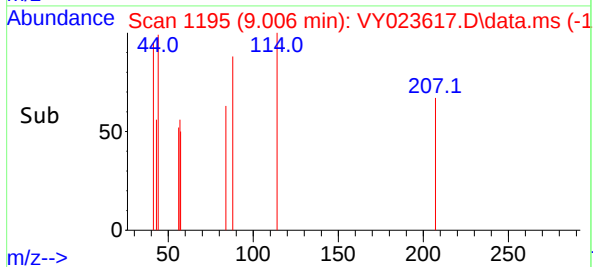
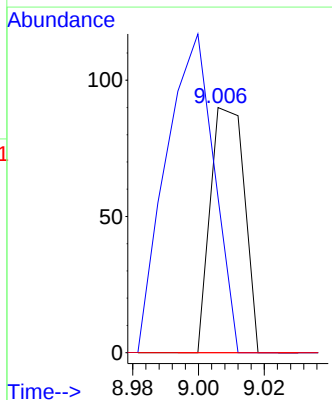
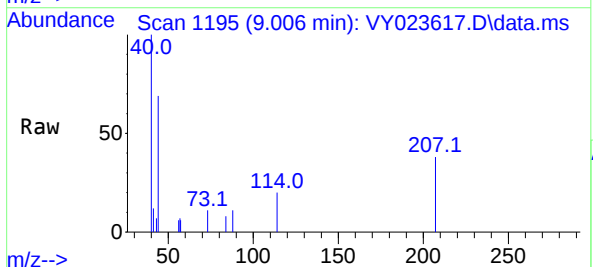


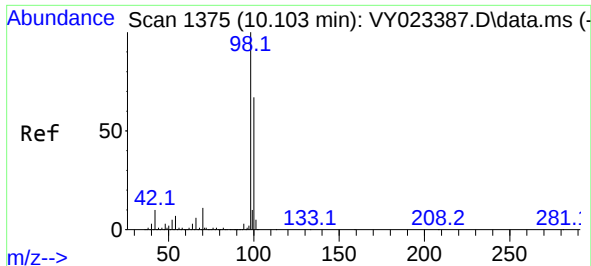
Tgt Ion:117 Resp: 57813
Ion Ratio Lower Upper
117 100
119 5.5 76.8 115.2#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 1.495 ug/l
RT: 9.006 min Scan# 1195
Delta R.T. -0.219 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 183.1 21.8 32.8#
58 0.0 46.8 70.2#

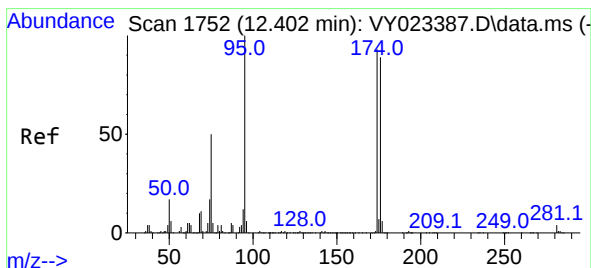
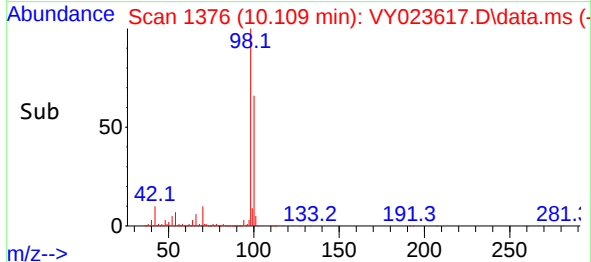
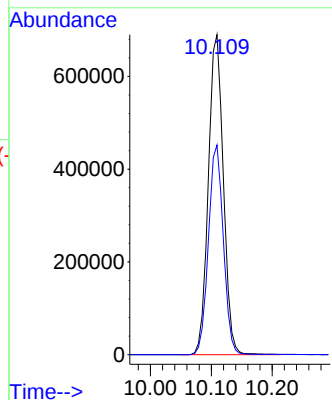
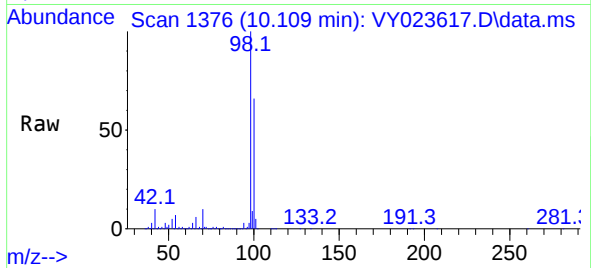




#50
Toluene-d8
Concen: 49.552 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

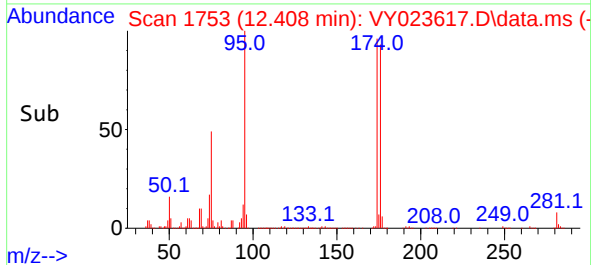
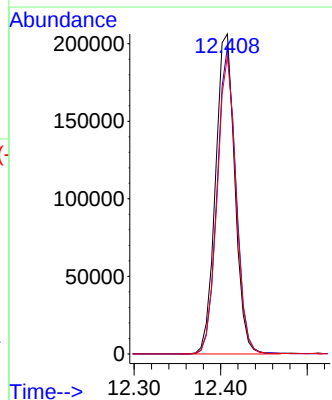
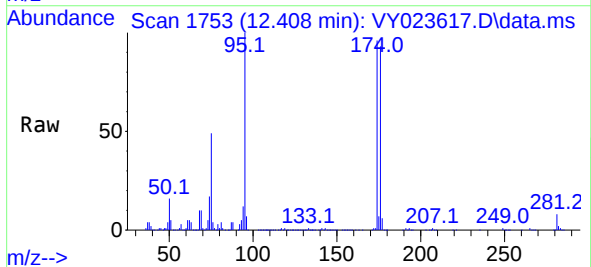
Instrument :
MSVOA_Y
ClientSampleId :

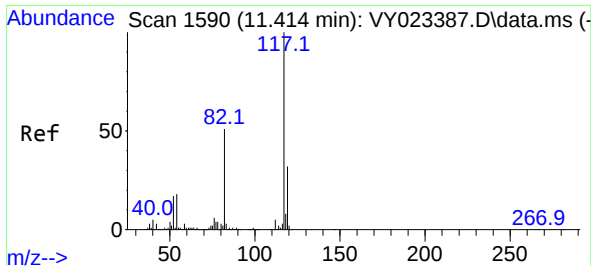
Tgt Ion: 98 Resp: 1181944
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 40.629 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

Tgt Ion: 95 Resp: 319952
Ion Ratio Lower Upper
95 100
174 93.3 0.0 192.8
176 91.0 0.0 187.6

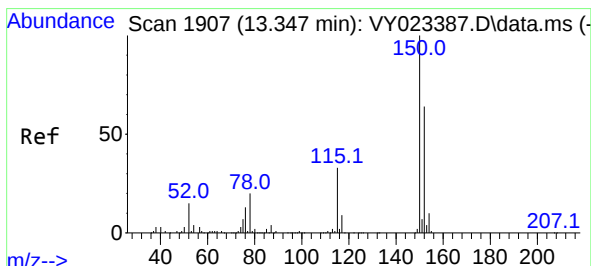
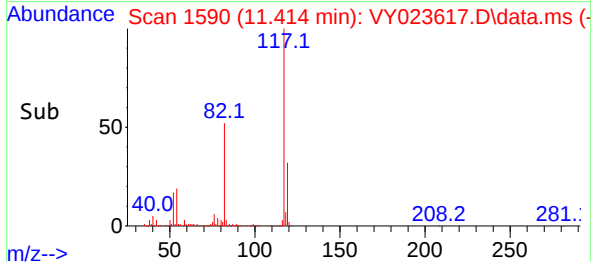
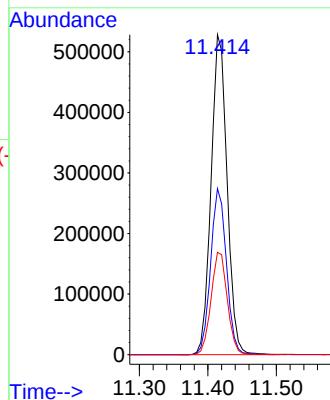
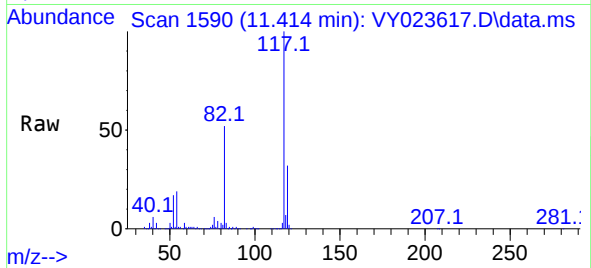




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

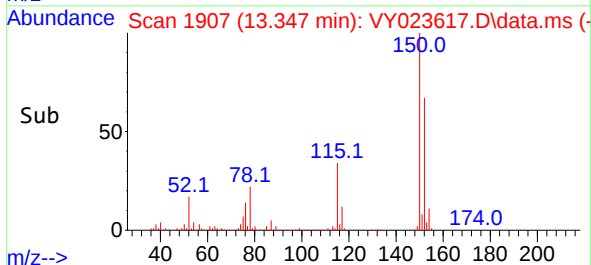
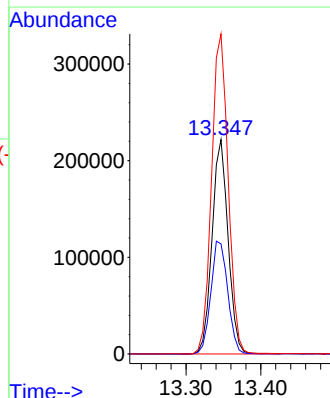
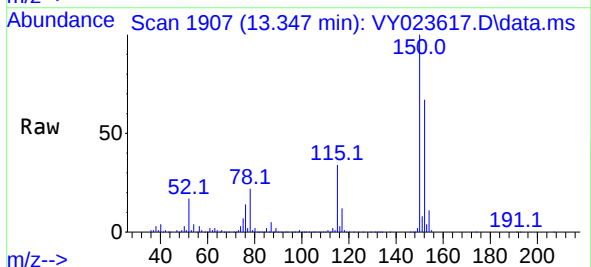
Instrument :
MSVOA_Y
ClientSampleId :

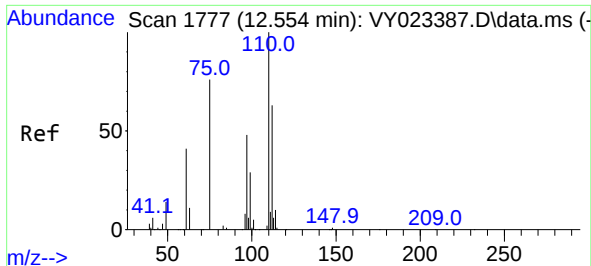
Tgt Ion:117 Resp: 858848
Ion Ratio Lower Upper
117 100
82 51.9 41.0 61.4
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

Tgt Ion:152 Resp: 331788
Ion Ratio Lower Upper
152 100
115 55.5 27.1 81.2
150 154.7 0.0 347.4

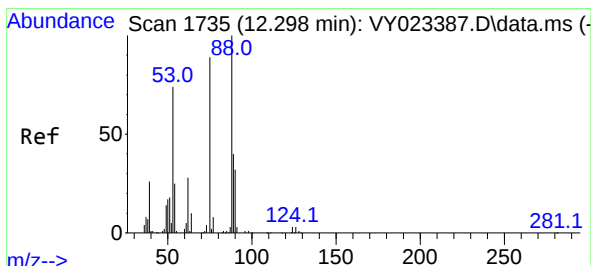
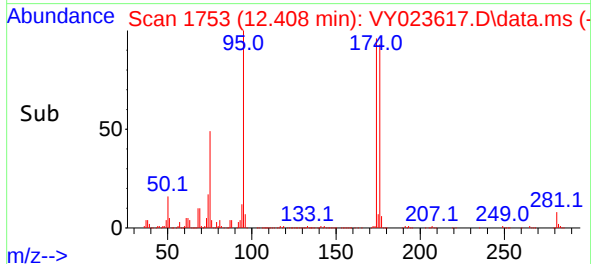
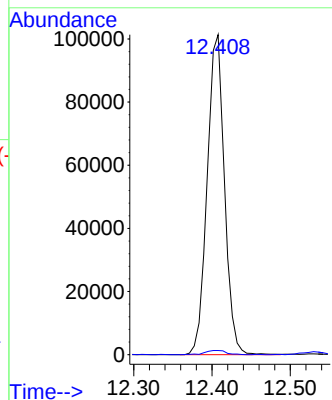
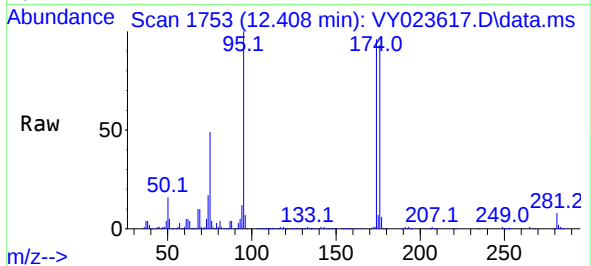




#76
1,2,3-Trichloropropane
Concen: 53.049 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 155288
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.086 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023617.D
Acq: 29 Oct 2025 12:02

Tgt Ion: 75 Resp: 155288
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.0 39.0 58.4#

