

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
 Data File : VY023556.D
 Acq On : 22 Oct 2025 17:10
 Operator : SY/MD
 Sample : Q3424-02
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-S11-010080-20251021

Quant Time: Oct 24 02:37:33 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)

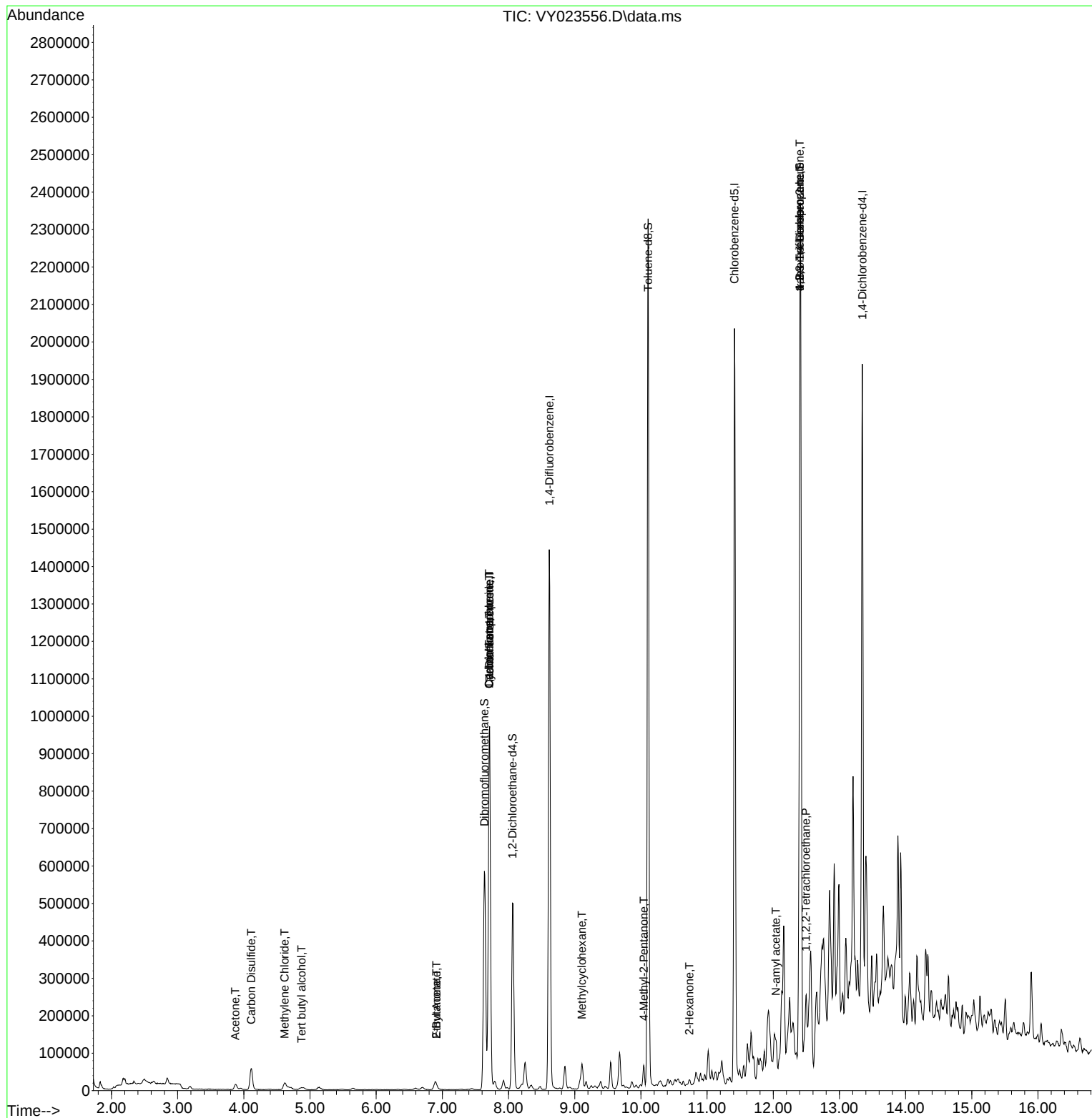
Internal Standards						
1) Pentafluorobenzene	7.713	168	807599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1343623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1154123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	478051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	391601	57.987	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.980%
35) Dibromofluoromethane	7.634	113	423023	51.239	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.480%
50) Toluene-d8	10.109	98	1528592	49.717	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.440%
62) 4-Bromofluorobenzene	12.401	95	480302	47.317	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	9939	19.783	ug/l	96
16) Acetone	3.872	43	23931	14.885	ug/l #	88
17) Carbon Disulfide	4.110	76	119319	5.787	ug/l	99
20) Methylene Chloride	4.616	84	13216	1.520	ug/l	95
25) 2-Butanone	6.908	43	8536	4.349	ug/l	95
31) Cyclohexane	7.707	56	22209	1.977	ug/l #	20
36) 1,1-Dichloropropene	7.707	75	51128	4.678	ug/l #	49
37) Ethyl Acetate	6.908	43	8536	1.971	ug/l #	66
38) Carbon Tetrachloride	7.707	117	73200	5.523	ug/l #	16
39) Methylcyclohexane	9.109	83	20603	1.448	ug/l #	67
51) 4-Methyl-2-Pentanone	10.042	43	5335	1.196	ug/l #	73
59) 2-Hexanone	10.731	43	6220	1.951	ug/l #	25
74) N-amyl acetate	12.042	43	29512	5.215	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.493	83	13675	2.654	ug/l #	26
76) 1,2,3-Trichloropropane	12.401	75	233610	55.388	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	233610	135.822	ug/l #	16

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023556.D
Acq On : 22 Oct 2025 17:10
Operator : SY/MD
Sample : Q3424-02
Misc : 5.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

Quant Time: Oct 24 02:37:33 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

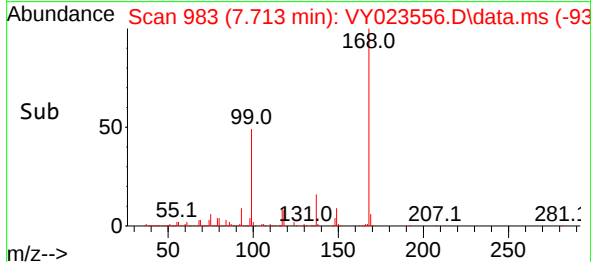
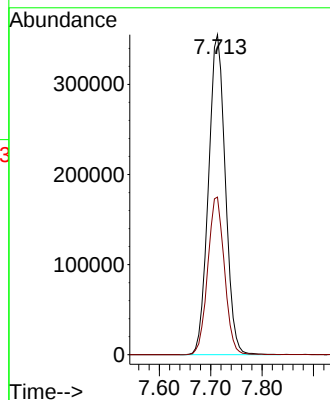
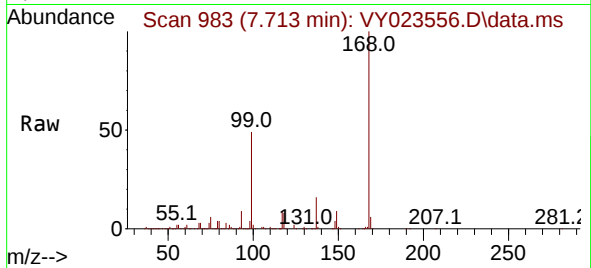




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

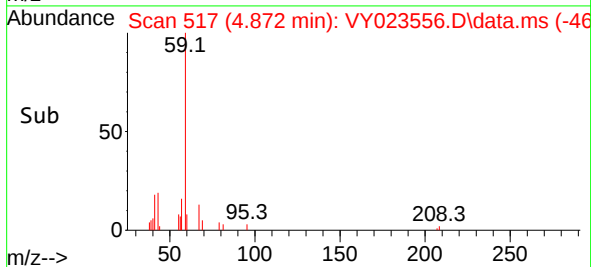
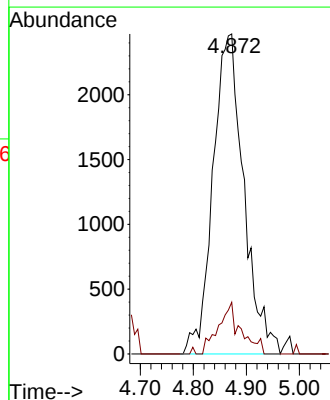
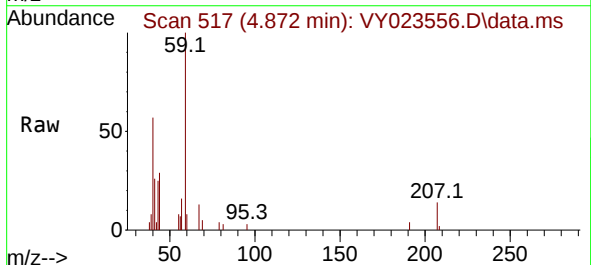
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

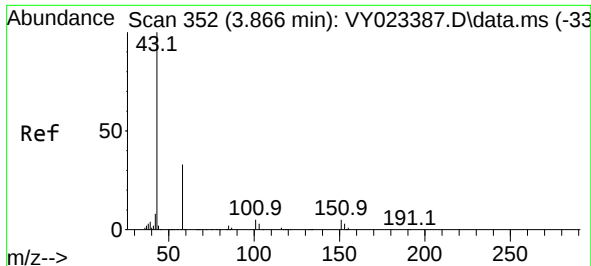
Tgt Ion:168 Resp: 807599
Ion Ratio Lower Upper
168 100
99 49.2 39.7 59.5



#11
Tert butyl alcohol
Concen: 19.783 ug/l
RT: 4.872 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion: 59 Resp: 9939
Ion Ratio Lower Upper
59 100
57 11.8 8.3 12.5

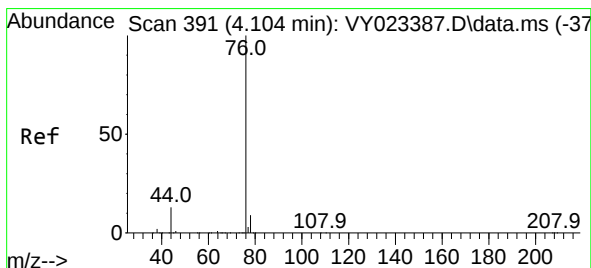
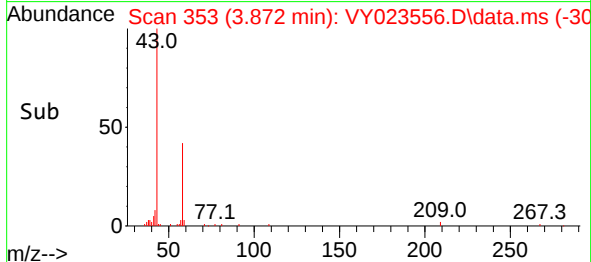
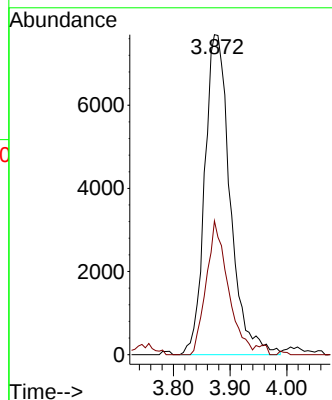
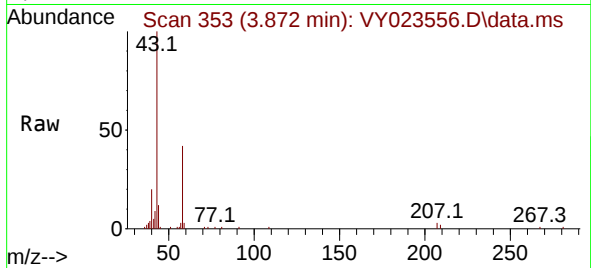




#16
Acetone
Concen: 14.885 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

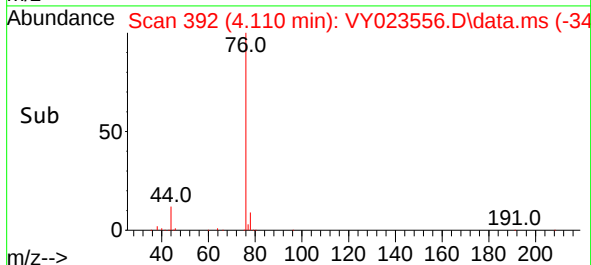
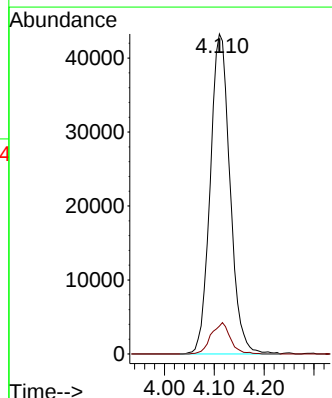
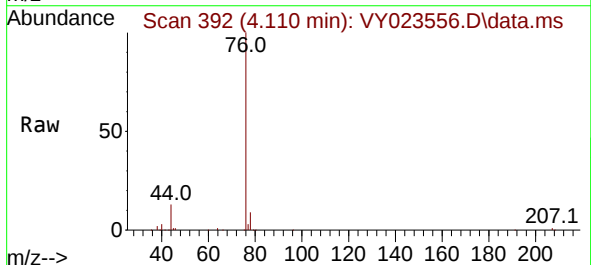
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

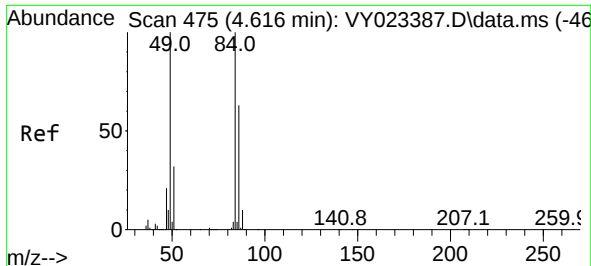
Tgt Ion: 43 Resp: 23931
Ion Ratio Lower Upper
43 100
58 41.8 27.7 41.5#



#17
Carbon Disulfide
Concen: 5.787 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion: 76 Resp: 119319
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9

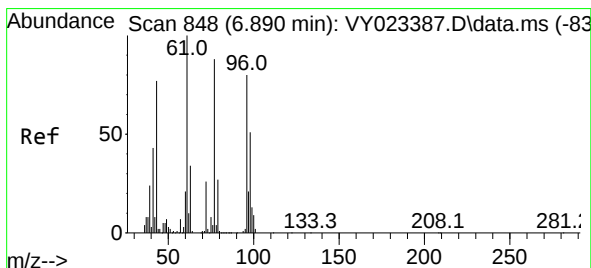
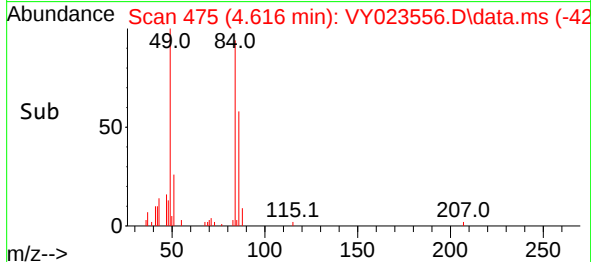
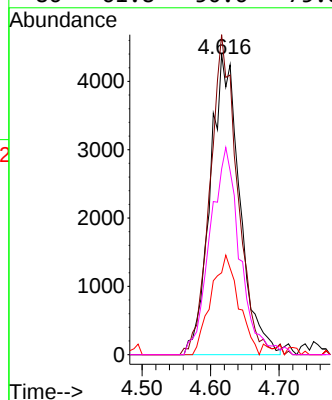
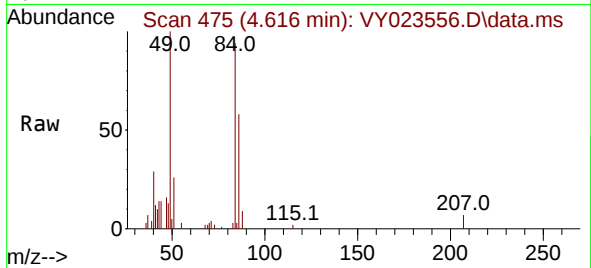




#20
Methylene Chloride
Concen: 1.520 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

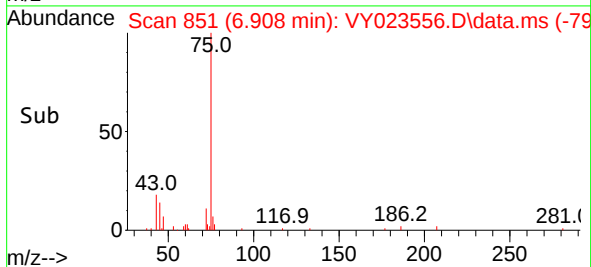
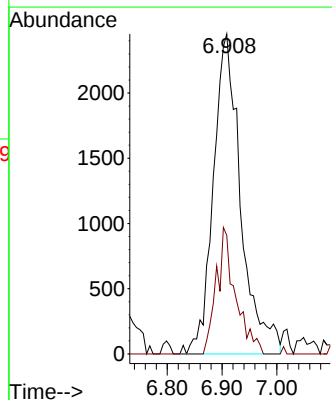
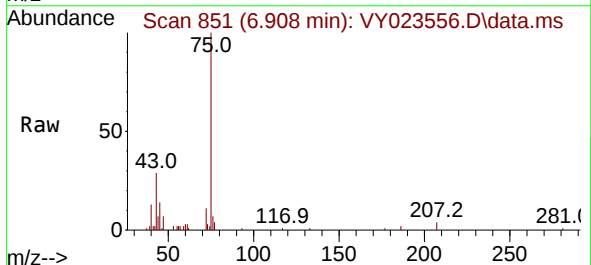
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

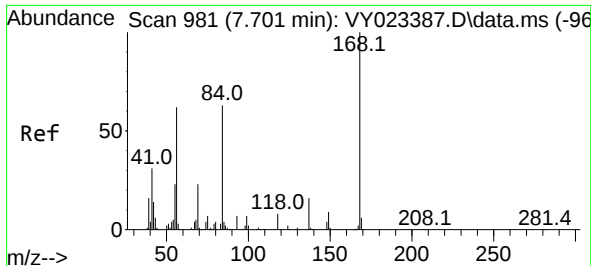
Tgt Ion:	84	Resp:	13216
Ion	Ratio	Lower	Upper
84	100		
49	106.5	80.2	120.4
51	27.2	25.9	38.9
86	61.8	50.6	75.8



#25
2-Butanone
Concen: 4.349 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion:	43	Resp:	8536
Ion	Ratio	Lower	Upper
43	100		
72	37.1	27.4	41.2

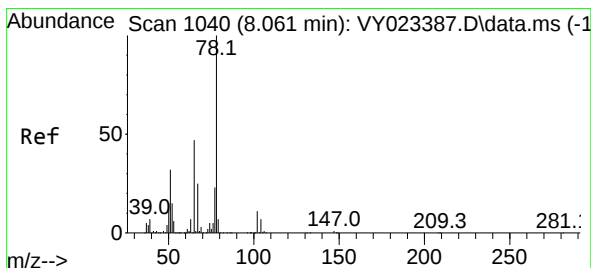
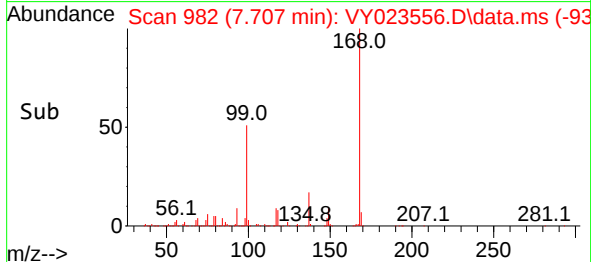
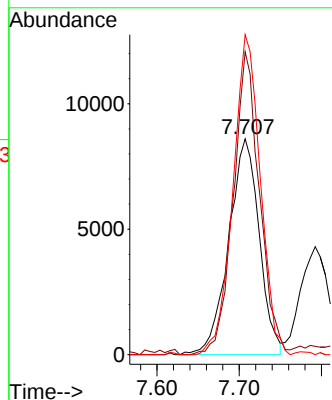
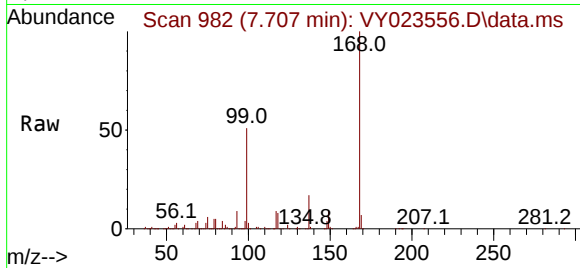




#31
Cyclohexane
Concen: 1.977 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

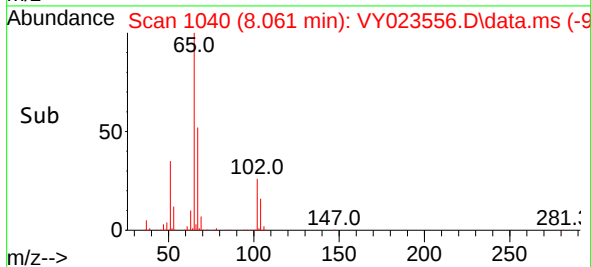
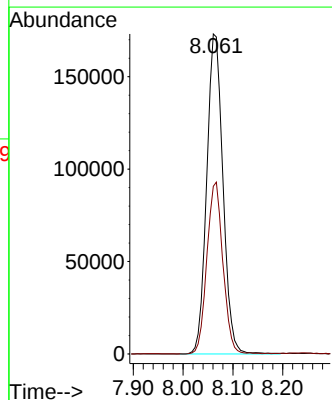
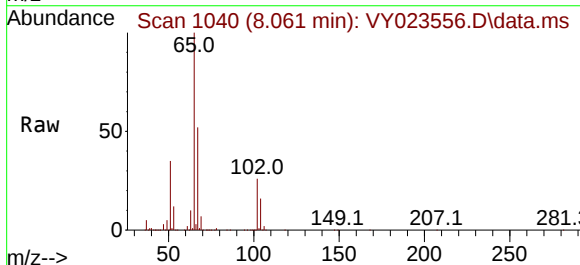
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

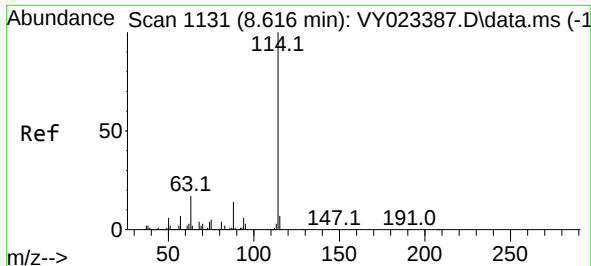
Tgt Ion: 56 Resp: 22209
Ion Ratio Lower Upper
56 100
69 140.3 30.0 45.0#
84 148.3 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 57.987 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion: 65 Resp: 391601
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8

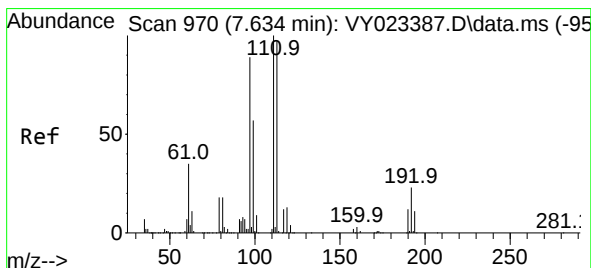
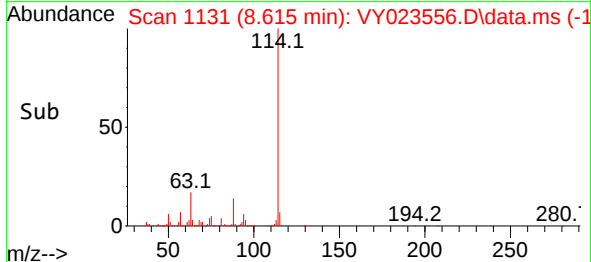
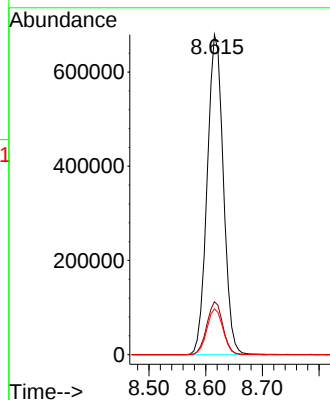
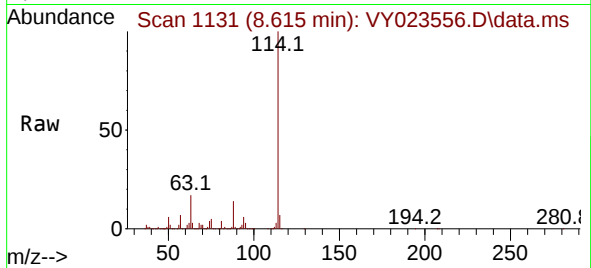




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

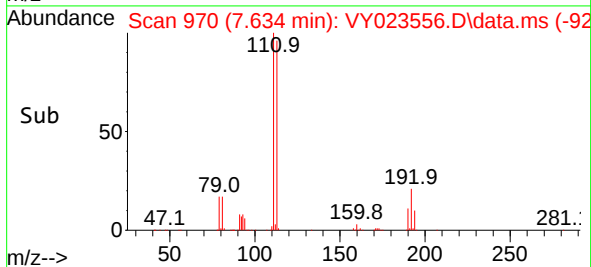
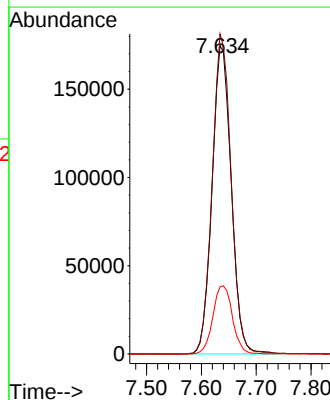
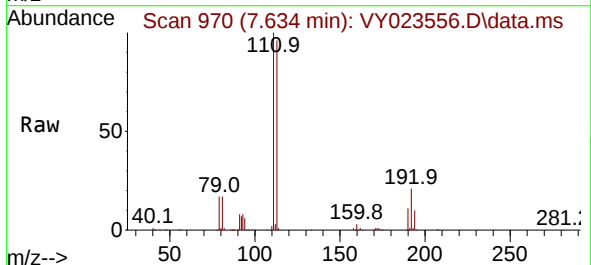
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

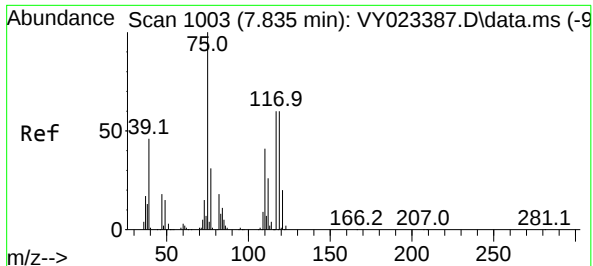
Tgt Ion:114 Resp: 1343623
Ion Ratio Lower Upper
114 100
63 16.5 0.0 34.2
88 14.3 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.239 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion:113 Resp: 423023
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 22.6 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.678 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023556.D

Acq: 22 Oct 2025 17:10

Instrument :

MSVOA_Y

ClientSampleId :

PR132-S11-010080-20251021

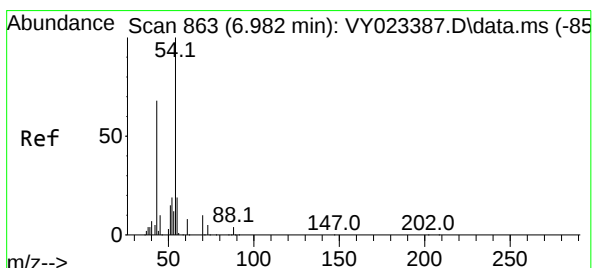
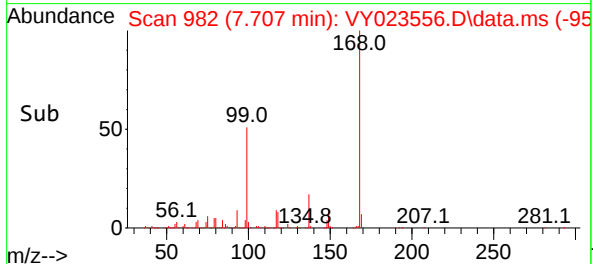
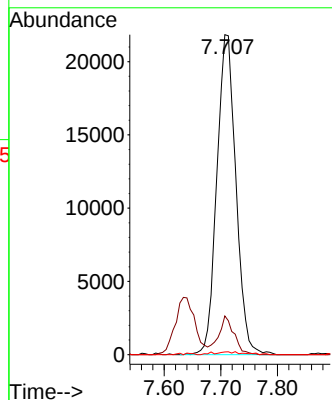
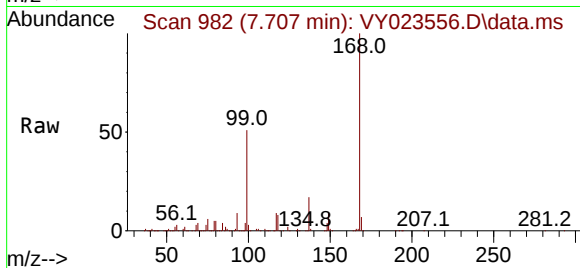
Tgt Ion: 75 Resp: 51128

Ion Ratio Lower Upper

75 100

110 9.9 19.9 59.7#

77 1.1 25.0 37.6#



#37

Ethyl Acetate

Concen: 1.971 ug/l

RT: 6.908 min Scan# 851

Delta R.T. -0.073 min

Lab File: VY023556.D

Acq: 22 Oct 2025 17:10

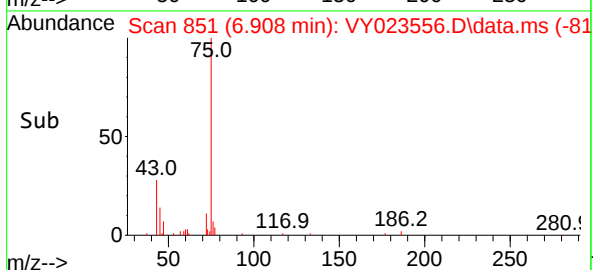
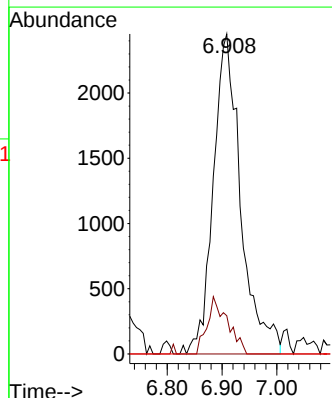
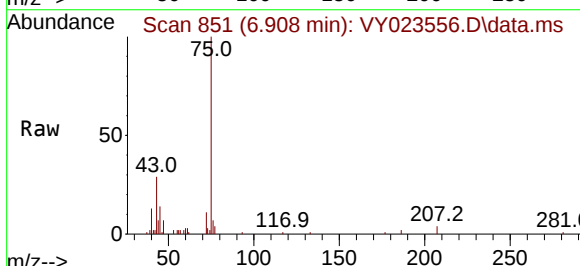
Tgt Ion: 43 Resp: 8536

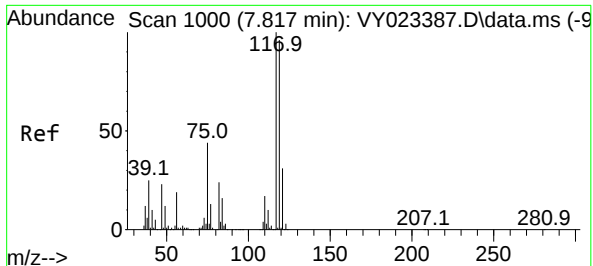
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

70 0.0 10.5 15.7#

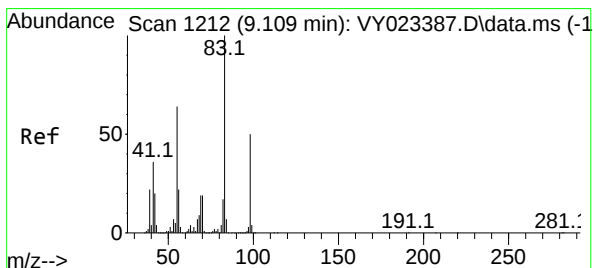
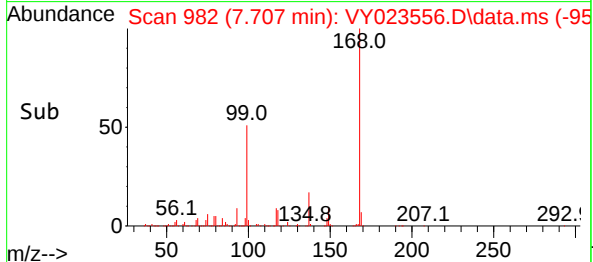
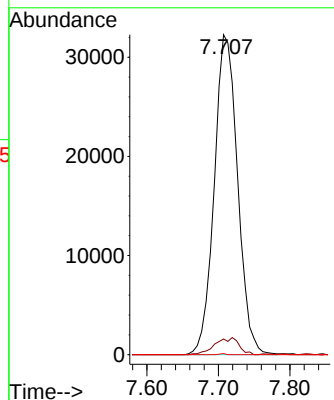
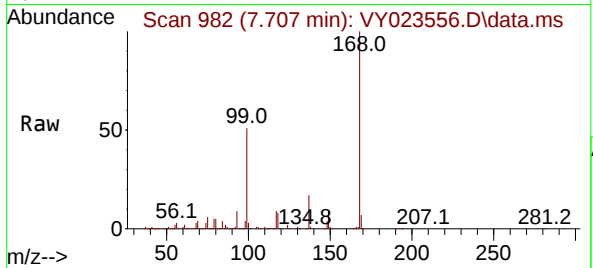




#38
Carbon Tetrachloride
Concen: 5.523 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

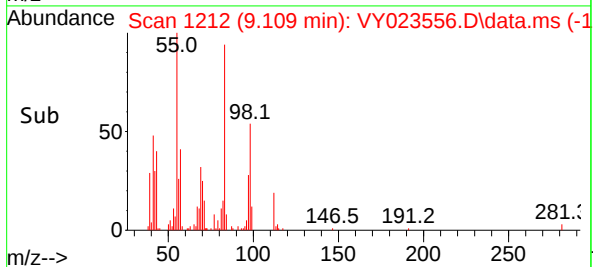
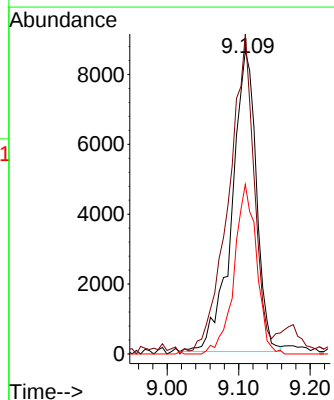
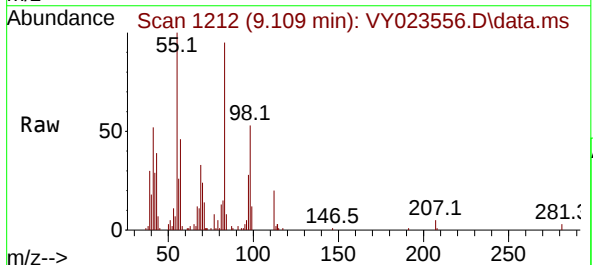
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

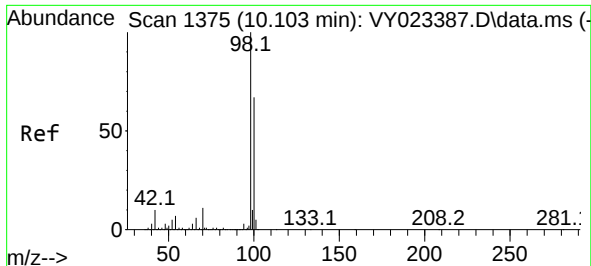
Tgt Ion:117 Resp: 73200
Ion Ratio Lower Upper
117 100
119 4.9 76.8 115.2#
121 0.4 24.5 36.7#



#39
Methylcyclohexane
Concen: 1.448 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion: 83 Resp: 20603
Ion Ratio Lower Upper
83 100
55 106.3 51.4 77.2#
98 55.6 40.4 60.6

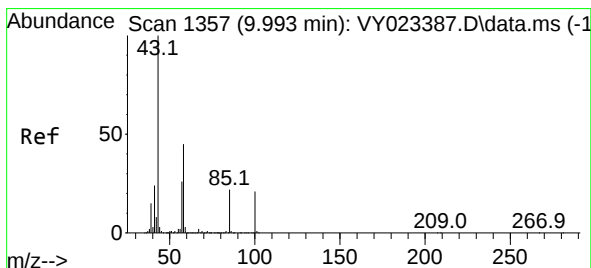
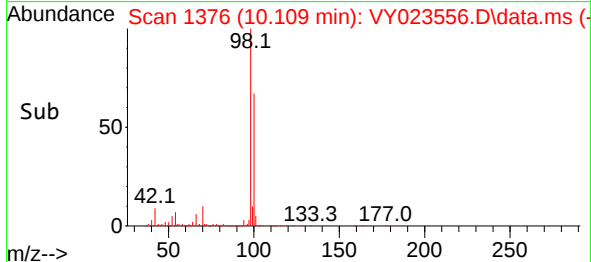
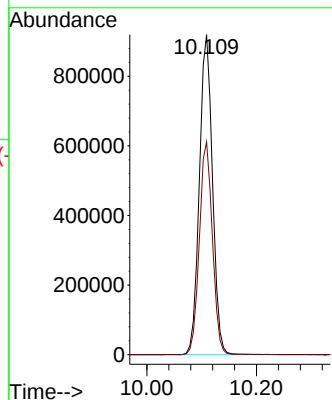
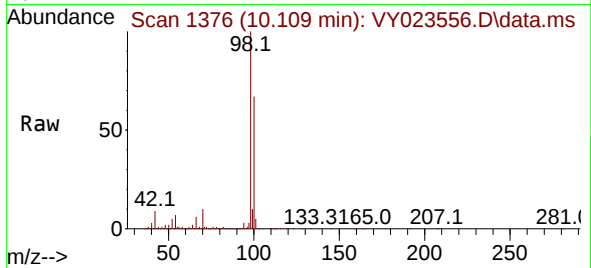




#50
Toluene-d8
Concen: 49.717 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

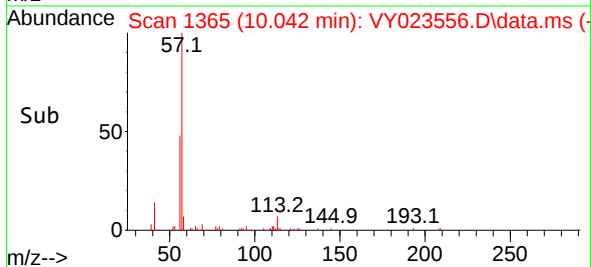
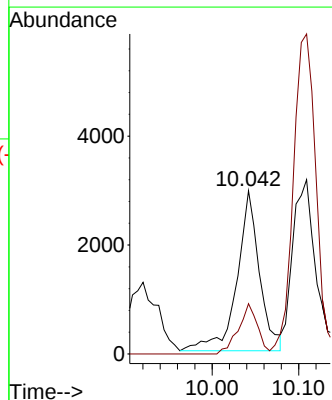
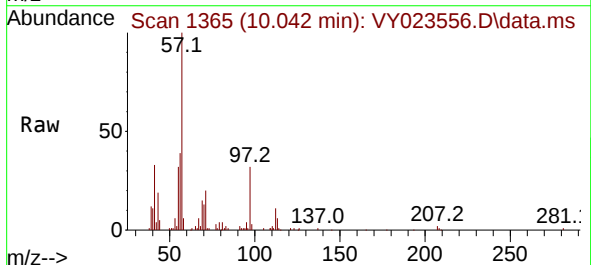
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

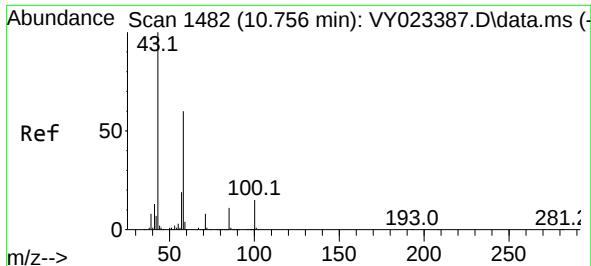
Tgt Ion: 98 Resp: 1528592
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.196 ug/l
RT: 10.042 min Scan# 1365
Delta R.T. 0.049 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion: 43 Resp: 5335
Ion Ratio Lower Upper
43 100
58 26.6 35.3 52.9

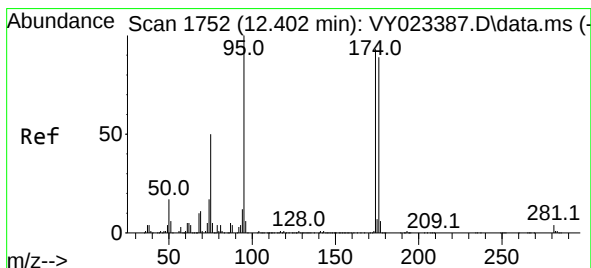
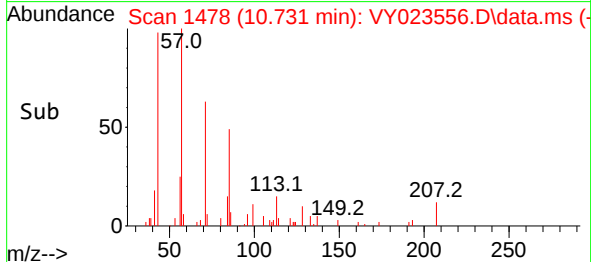
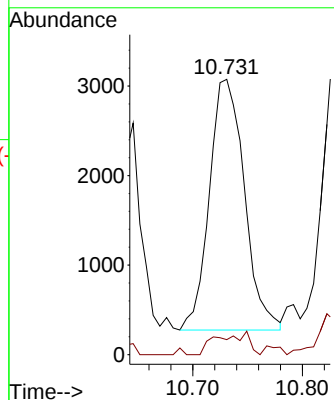
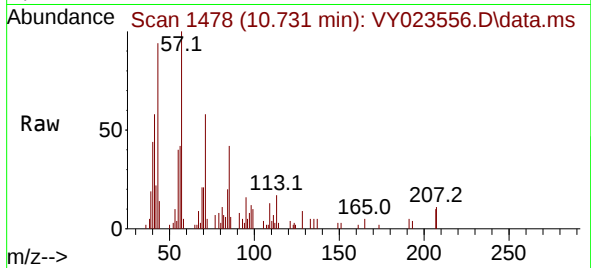




#59
2-Hexanone
Concen: 1.951 ug/l
RT: 10.731 min Scan# 1482
Delta R.T. -0.025 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

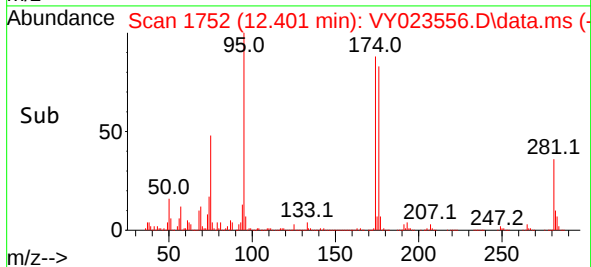
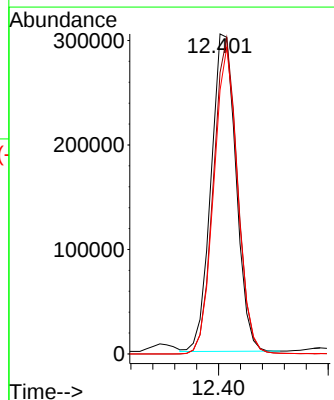
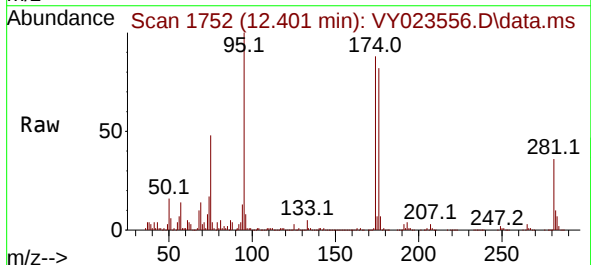
Instrument : MSVOA_Y
ClientSampleId : PR132-S11-010080-20251021

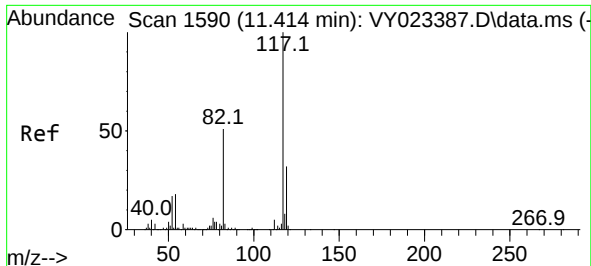
Tgt Ion: 43 Resp: 6220
Ion Ratio Lower Upper
43 100
58 4.1 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 47.317 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion: 95 Resp: 480302
Ion Ratio Lower Upper
95 100
174 96.3 0.0 192.8
176 92.8 0.0 187.6

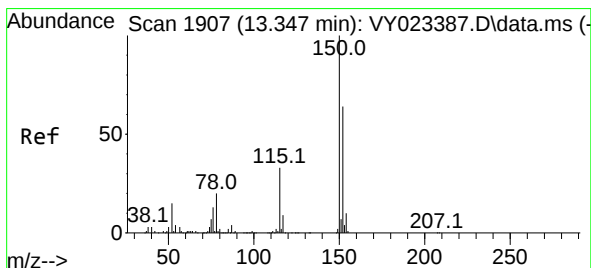
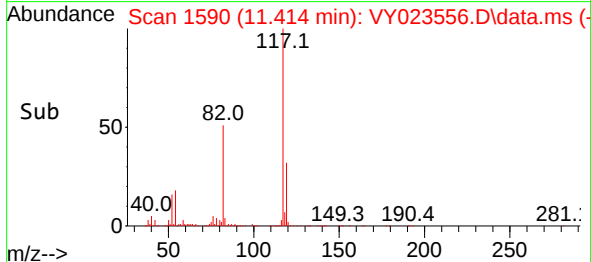
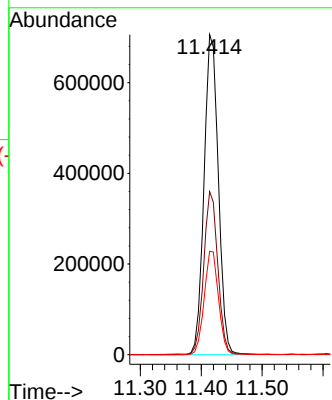
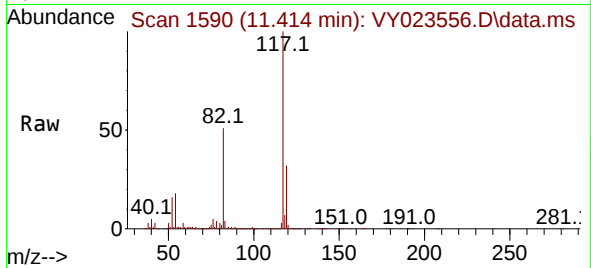




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

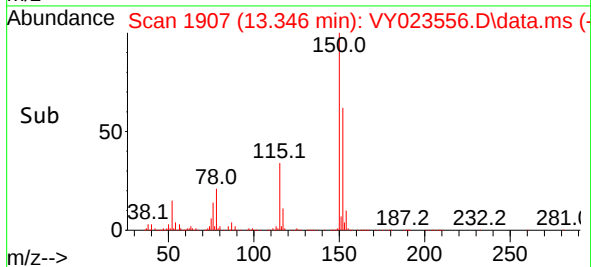
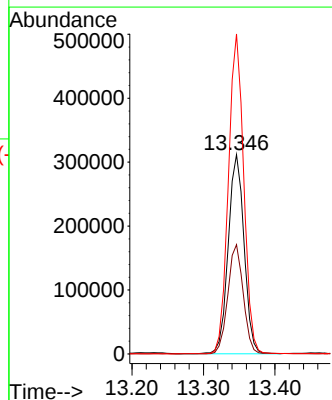
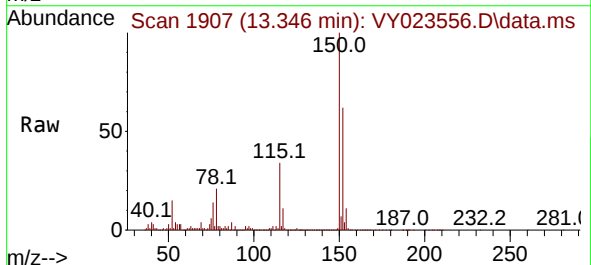
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

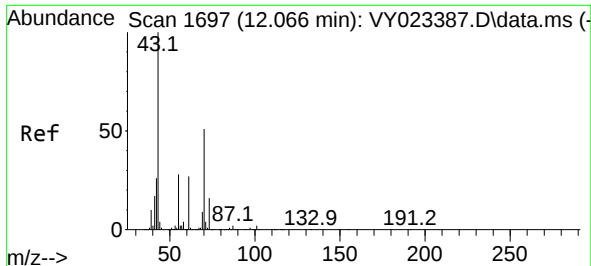
Tgt Ion:117 Resp: 1154123
Ion Ratio Lower Upper
117 100
82 50.9 41.0 61.4
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion:152 Resp: 478051
Ion Ratio Lower Upper
152 100
115 53.4 27.1 81.2
150 155.7 0.0 347.4

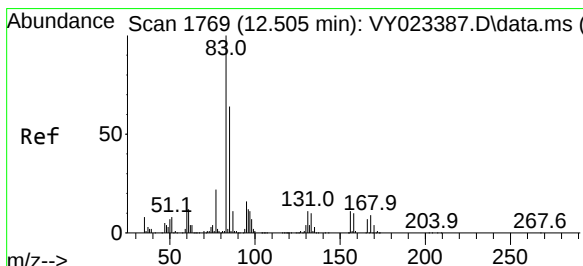
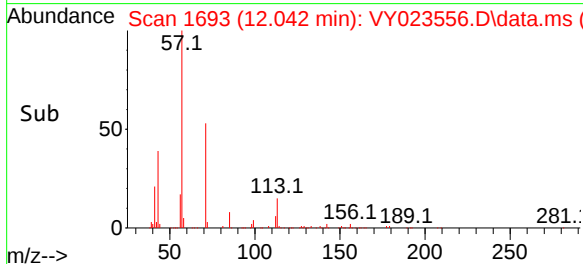
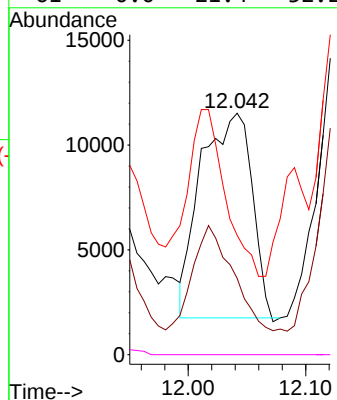
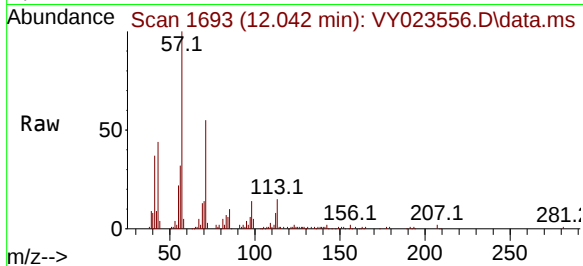




#74
N-amy1 acetate
Concen: 5.215 ug/l
RT: 12.042 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

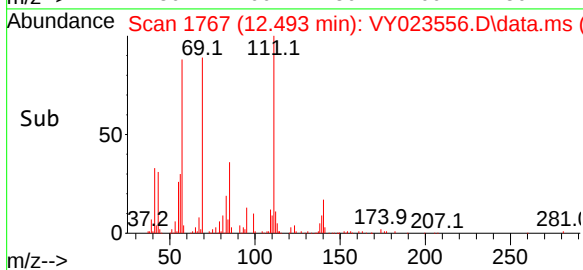
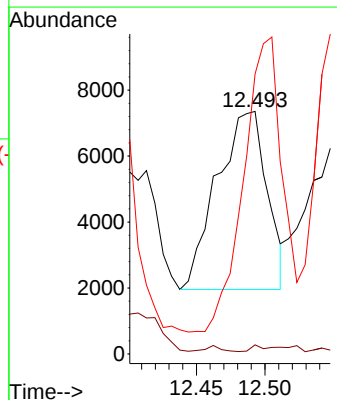
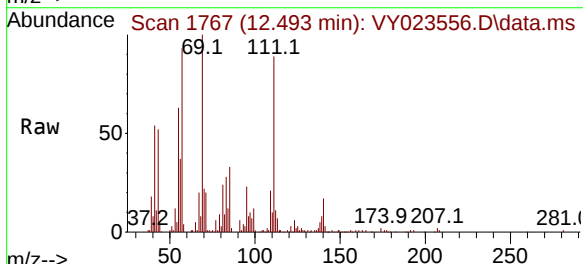
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

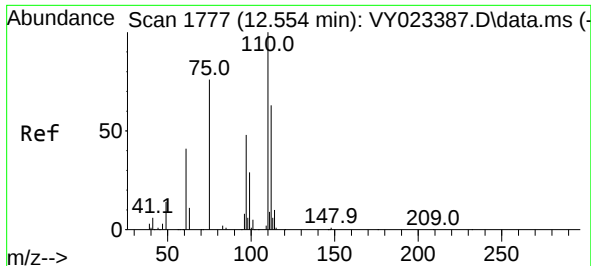
Tgt Ion:	43	Resp:	29512
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.1	61.7#
55	0.0	23.0	34.6#
61	0.0	21.4	32.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.654 ug/l
RT: 12.493 min Scan# 1767
Delta R.T. -0.012 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion:	83	Resp:	13675
Ion	Ratio	Lower	Upper
83	100		
131	1.2	5.9	17.6#
85	128.1	31.8	95.3#

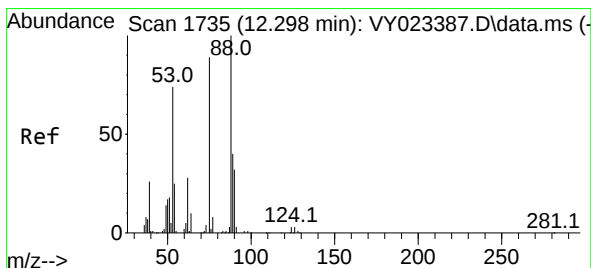
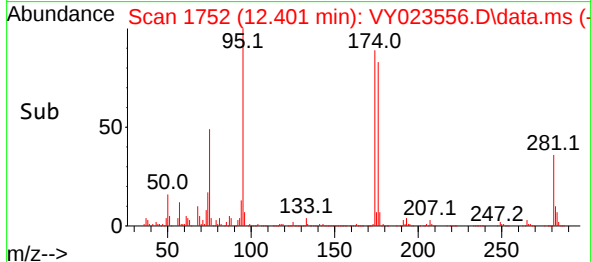
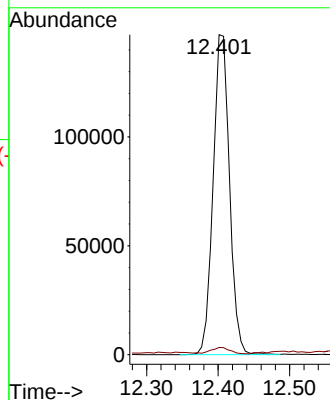
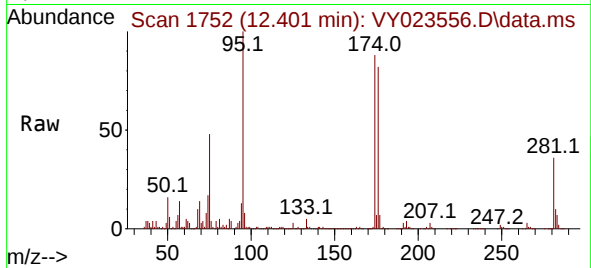




#76
1,2,3-Trichloropropane
Concen: 55.388 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

Tgt Ion: 75 Resp: 233610
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.822 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.103 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion: 75 Resp: 233610
Ion Ratio Lower Upper
75 100
53 2.4 68.6 102.8#
89 0.0 39.0 58.4#

