

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023571.D
 Acq On : 24 Oct 2025 14:28
 Operator : SY/MD
 Sample : Q3434-01
 Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-WC1-20251022

Quant Time: Oct 24 23:51:33 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)

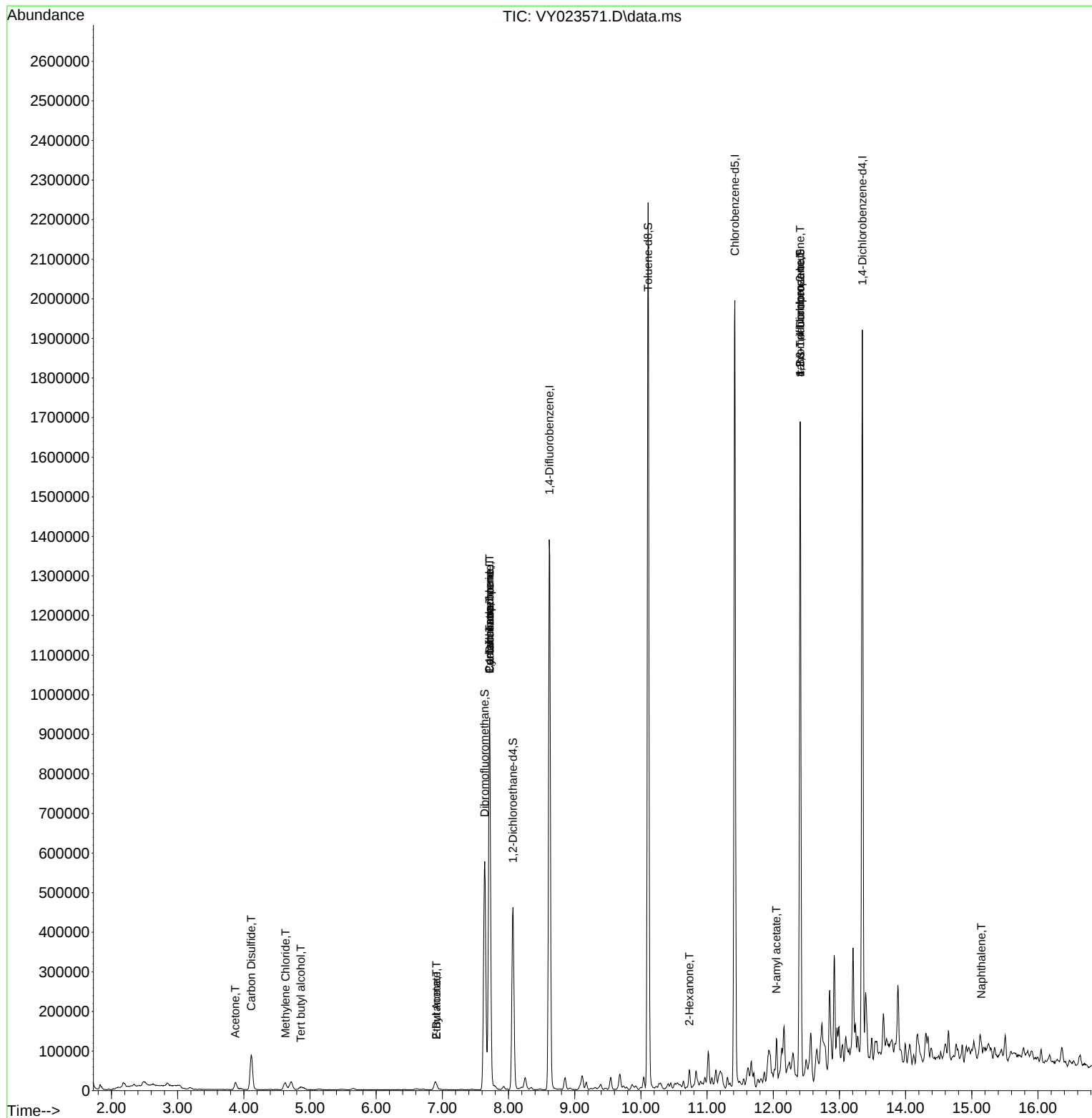
Internal Standards						
1) Pentafluorobenzene	7.713	168	800623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1311862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1147899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	505336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	356186	53.202	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.400%			
35) Dibromofluoromethane	7.640	113	414087	51.371	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.740%			
50) Toluene-d8	10.109	98	1480778	49.328	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.408	95	463137	46.731	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.460%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.860	59	13608	27.322	ug/l #	92
16) Acetone	3.872	43	31826	19.968	ug/l	98
17) Carbon Disulfide	4.110	76	184454	9.024	ug/l	98
20) Methylene Chloride	4.628	84	13639	1.583	ug/l	92
25) 2-Butanone	6.908	43	9008	4.629	ug/l	89
31) Cyclohexane	7.713	56	13474	1.210	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	49038	4.595	ug/l #	48
37) Ethyl Acetate	6.908	43	9008	2.131	ug/l #	66
38) Carbon Tetrachloride	7.713	117	70957	5.484	ug/l #	16
59) 2-Hexanone	10.731	43	14641	4.704	ug/l #	27
74) N-amyl acetate	12.048	43	20272	3.389	ug/l #	64
76) 1,2,3-Trichloropropane	12.408	75	221592	49.702	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	221592	121.879	ug/l #	15
95) Naphthalene	15.145	128	27110	1.807	ug/l #	94

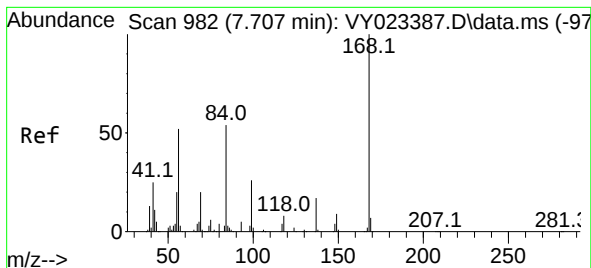
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 9

Delta R.T. 0.006 min

Lab File: VY023571.D

Acq: 24 Oct 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

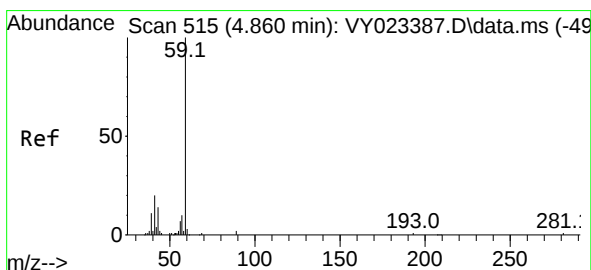
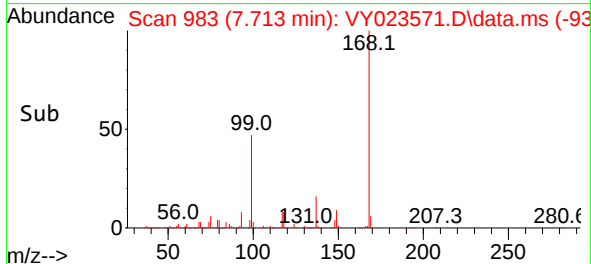
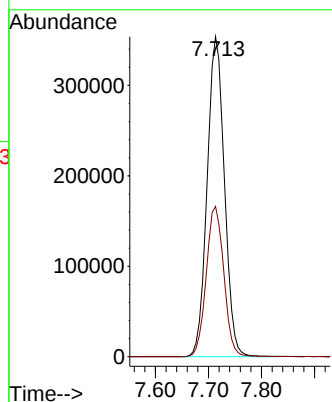
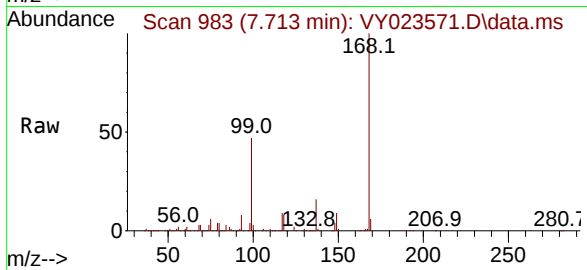
PR132-WC1-20251022

Tgt Ion:168 Resp: 800623

Ion Ratio Lower Upper

168 100

99 47.0 39.7 59.5



#11

Tert butyl alcohol

Concen: 27.322 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY023571.D

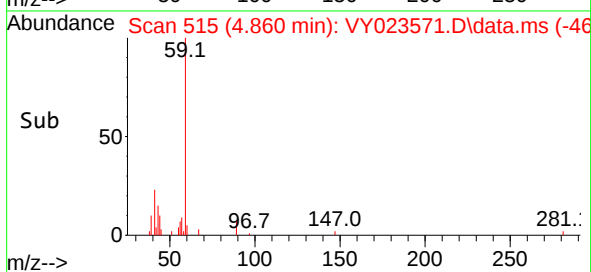
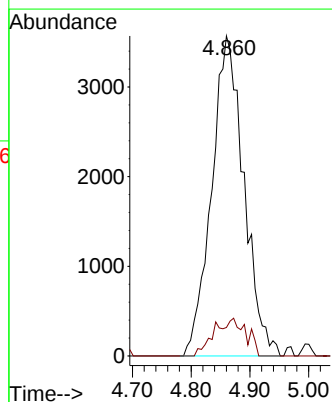
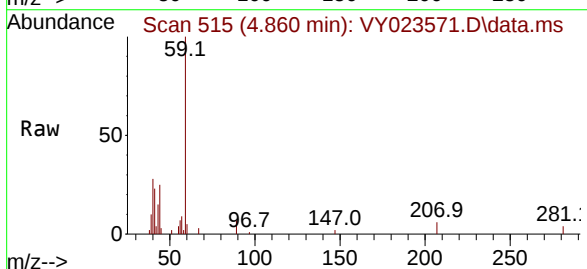
Acq: 24 Oct 2025 14:28

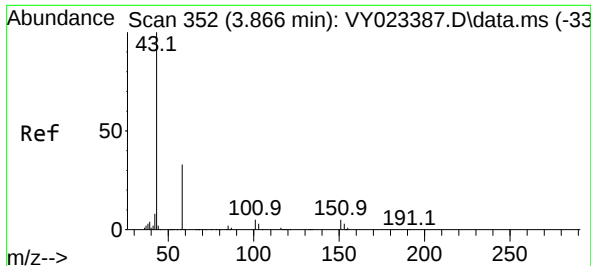
Tgt Ion: 59 Resp: 13608

Ion Ratio Lower Upper

59 100

57 7.2 8.3 12.5#





#16

Acetone

Concen: 19.968 ug/l

RT: 3.872 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY023571.D

Acq: 24 Oct 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

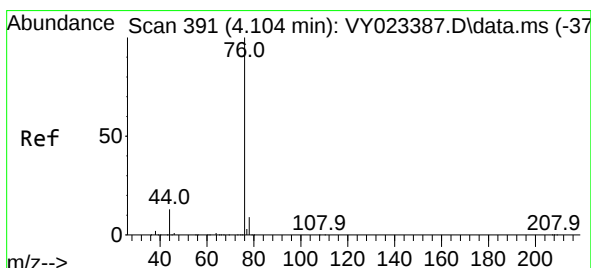
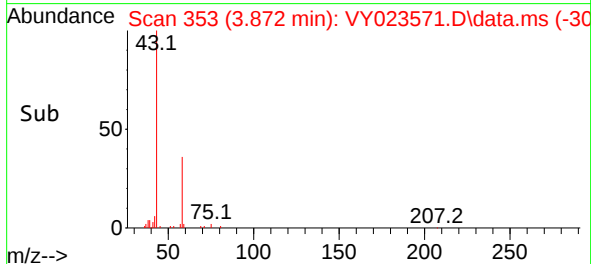
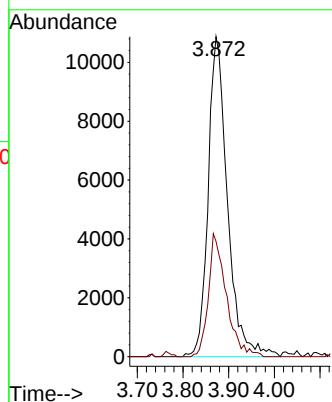
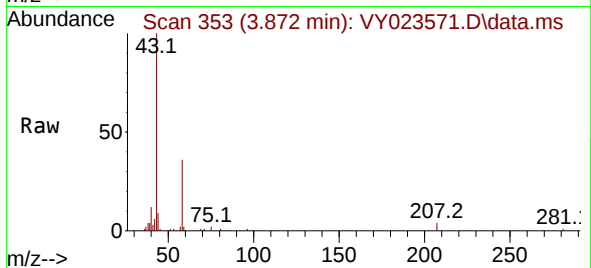
PR132-WC1-20251022

Tgt Ion: 43 Resp: 31826

Ion Ratio Lower Upper

43 100

58 36.0 27.7 41.5



#17

Carbon Disulfide

Concen: 9.024 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.006 min

Lab File: VY023571.D

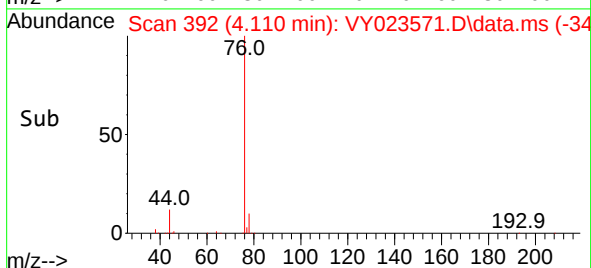
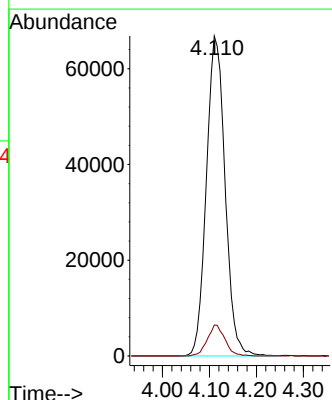
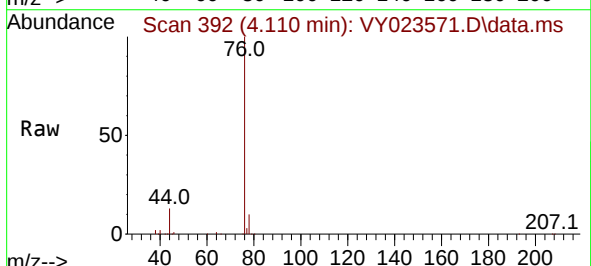
Acq: 24 Oct 2025 14:28

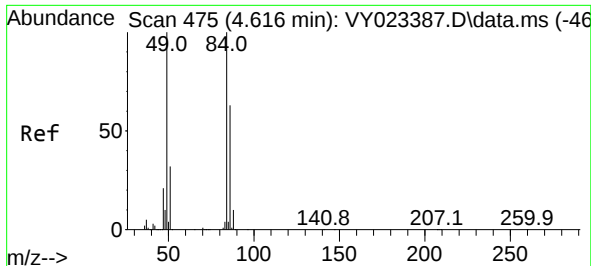
Tgt Ion: 76 Resp: 184454

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

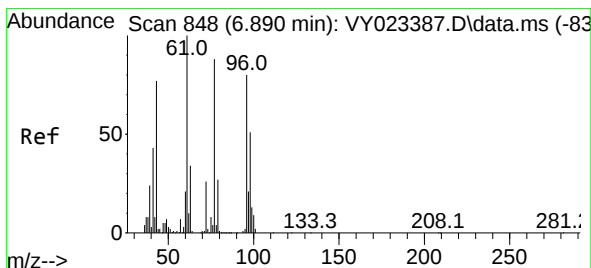
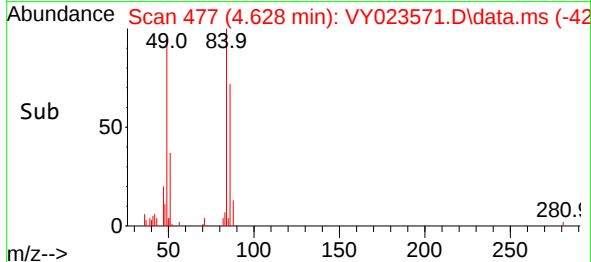
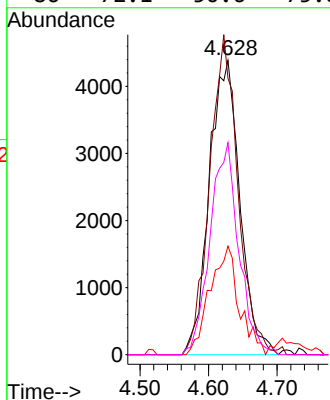
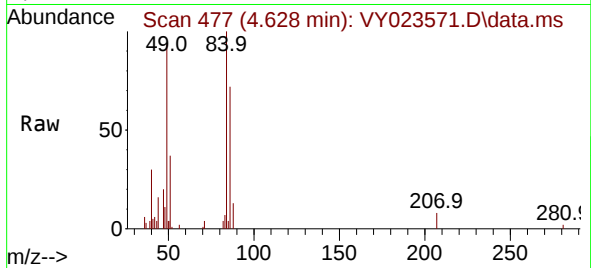




#20
Methylene Chloride
Concen: 1.583 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

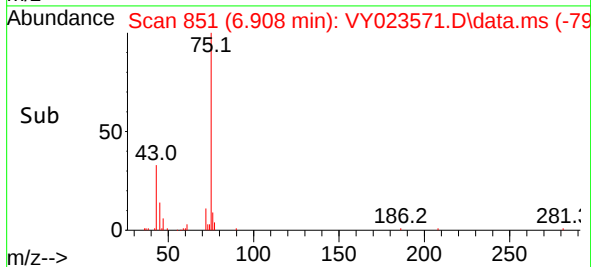
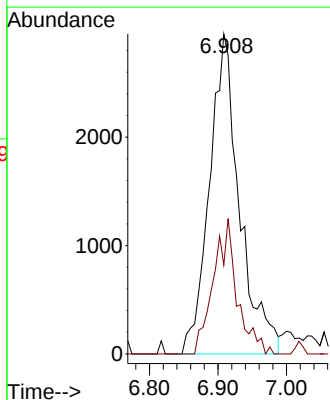
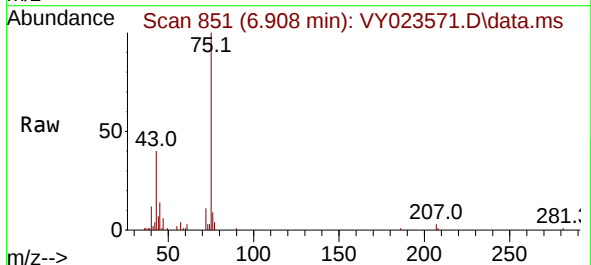
Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

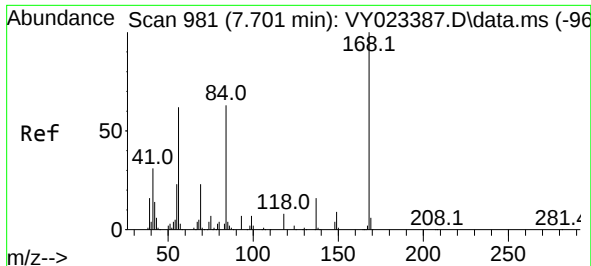
Tgt Ion:	84	Resp:	13639
Ion	Ratio	Lower	Upper
84	100		
49	93.9	80.2	120.4
51	36.9	25.9	38.9
86	72.1	50.6	75.8



#25
2-Butanone
Concen: 4.629 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Tgt Ion:	43	Resp:	9008
Ion	Ratio	Lower	Upper
43	100		
72	27.8	27.4	41.2

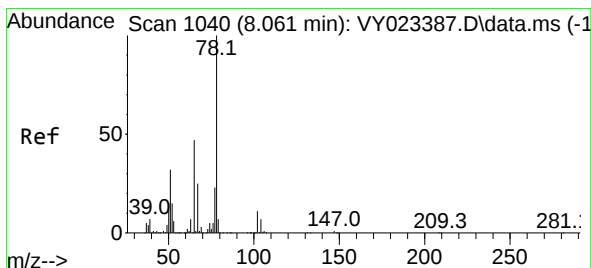
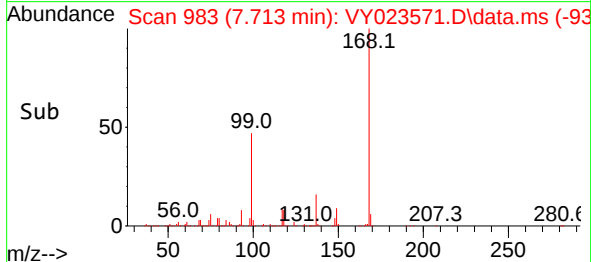
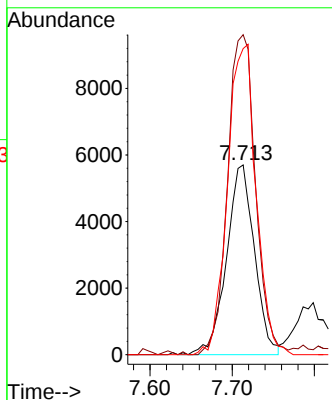
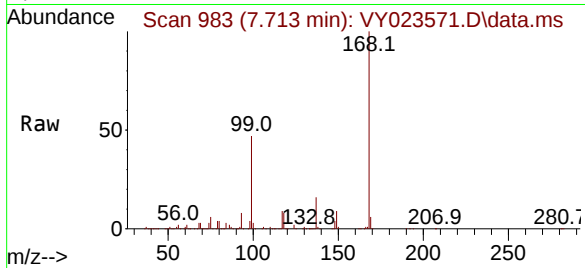




#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

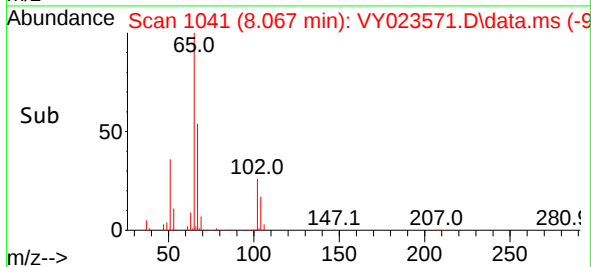
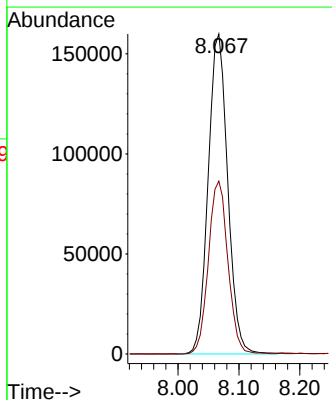
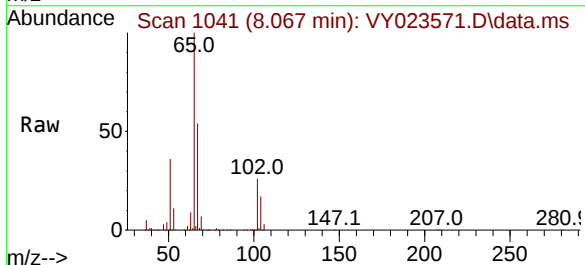
Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

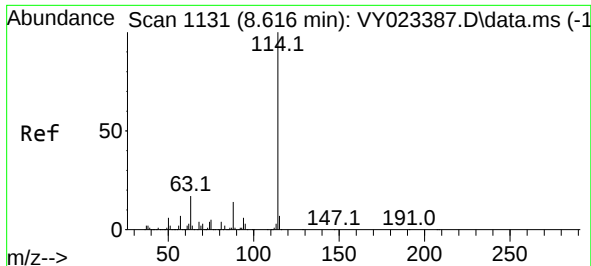
Tgt Ion: 56 Resp: 13474
Ion Ratio Lower Upper
56 100
69 168.6 30.0 45.0#
84 161.3 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 53.202 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Tgt Ion: 65 Resp: 356186
Ion Ratio Lower Upper
65 100
67 54.0 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: VY023571.D

Acq: 24 Oct 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

PR132-WC1-20251022

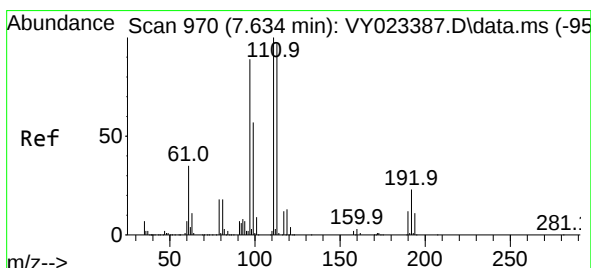
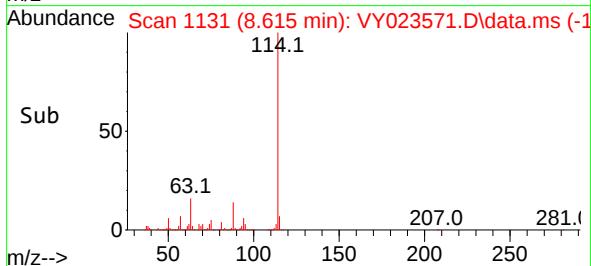
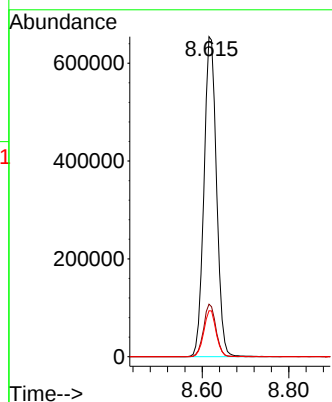
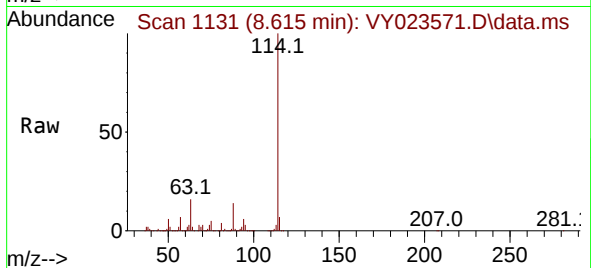
Tgt Ion:114 Resp: 1311862

Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.2

88 14.3 0.0 28.4



#35

Dibromofluoromethane

Concen: 51.371 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023571.D

Acq: 24 Oct 2025 14:28

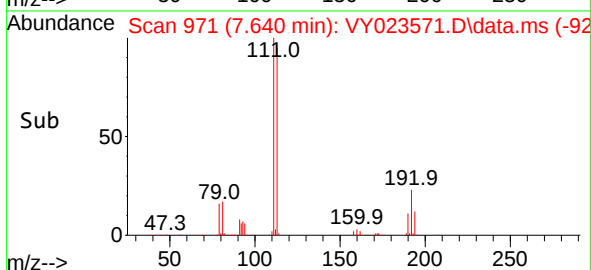
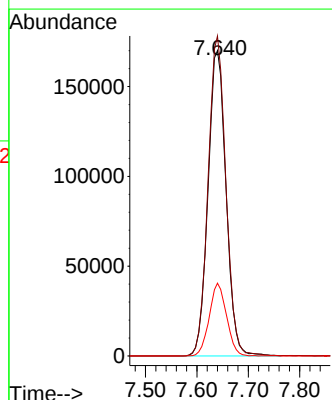
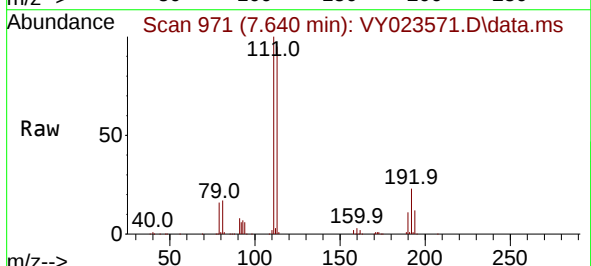
Tgt Ion:113 Resp: 414087

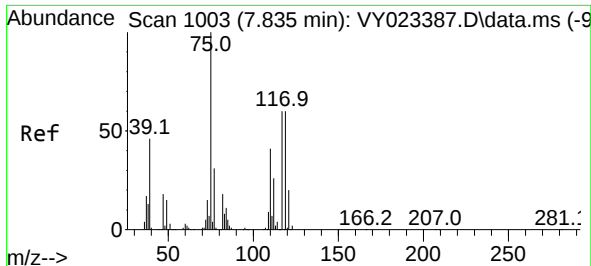
Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.6

192 22.8 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.595 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023571.D

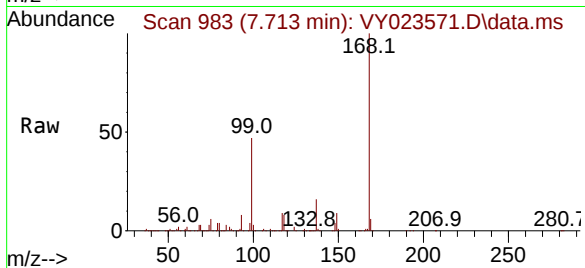
Acq: 24 Oct 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

PR132-WC1-20251022



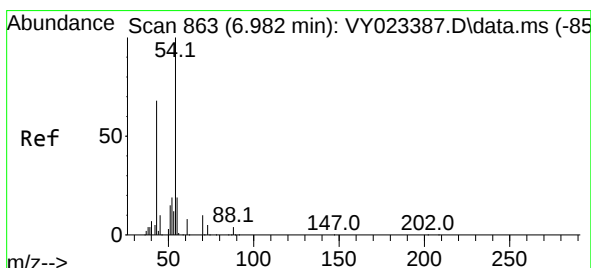
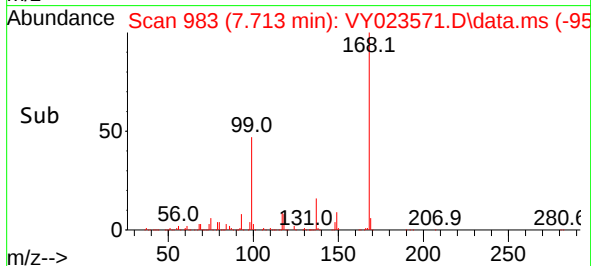
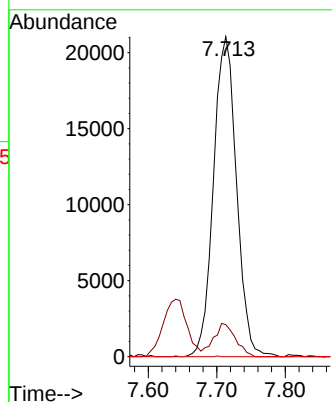
Tgt Ion: 75 Resp: 49038

Ion Ratio Lower Upper

75 100

110 9.9 19.9 59.7#

77 0.0 25.0 37.6#



#37

Ethyl Acetate

Concen: 2.131 ug/l

RT: 6.908 min Scan# 851

Delta R.T. -0.073 min

Lab File: VY023571.D

Acq: 24 Oct 2025 14:28

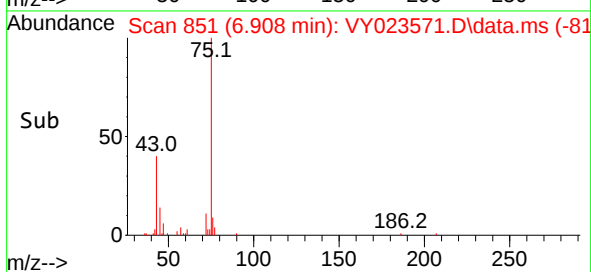
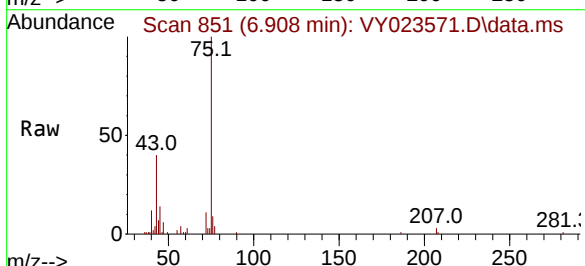
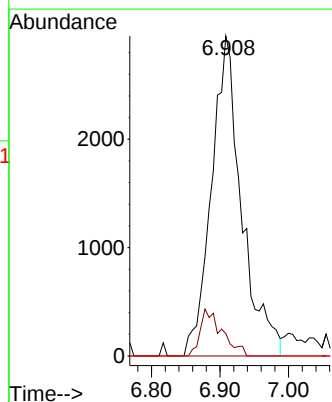
Tgt Ion: 43 Resp: 9008

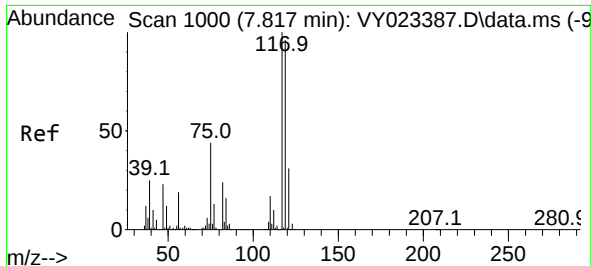
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

70 0.0 10.5 15.7#

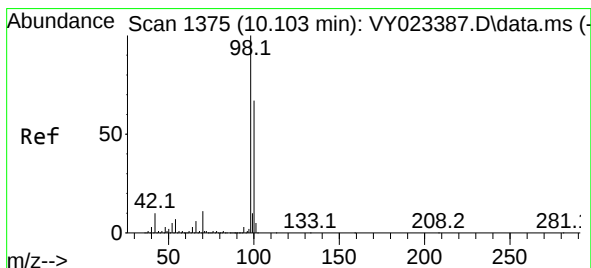
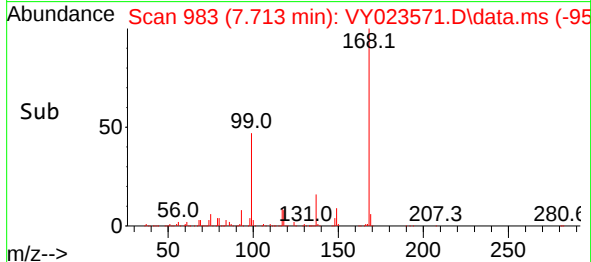
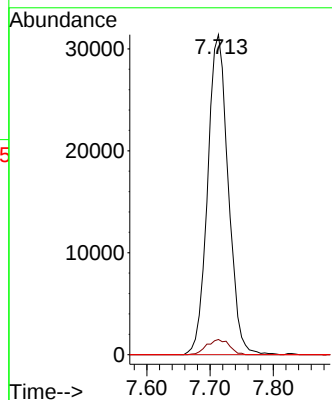
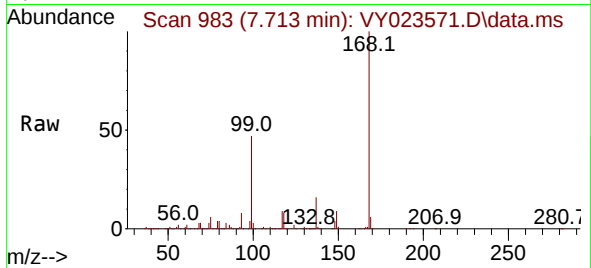




#38
Carbon Tetrachloride
Concen: 5.484 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

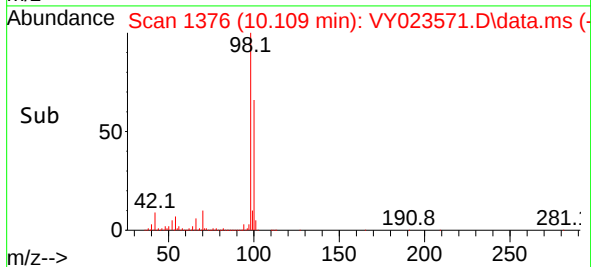
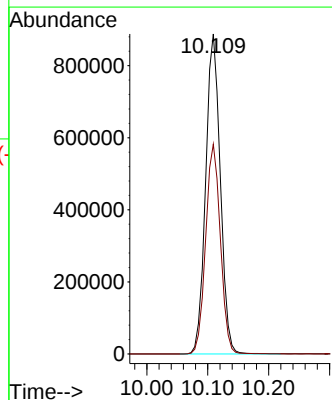
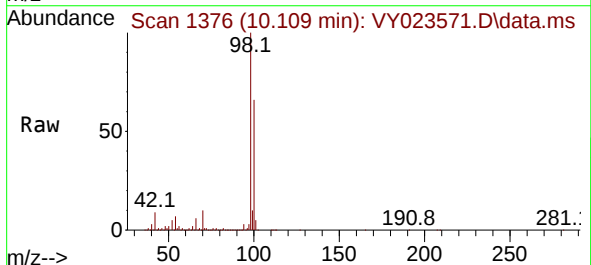
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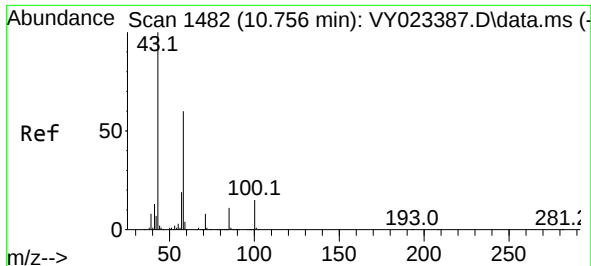
Tgt Ion:117 Resp: 70957
Ion Ratio Lower Upper
117 100
119 4.8 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.328 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Tgt Ion: 98 Resp: 1480778
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4

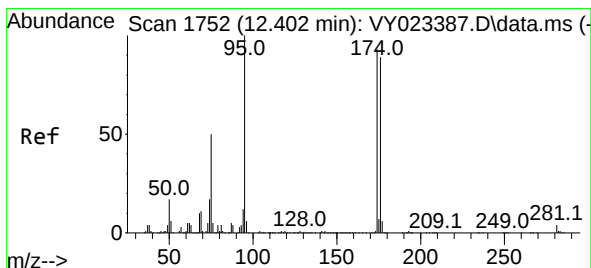
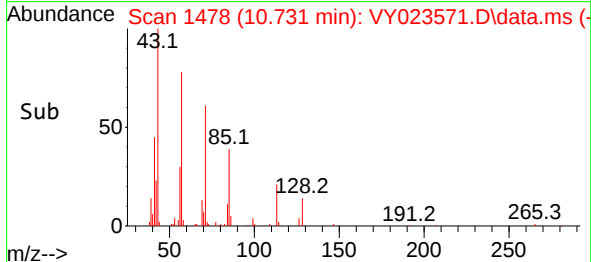
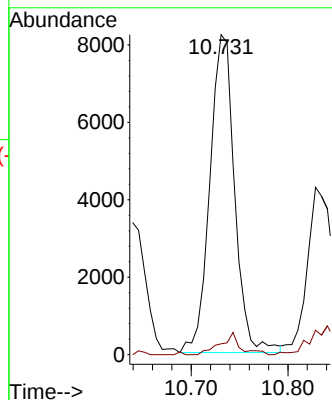
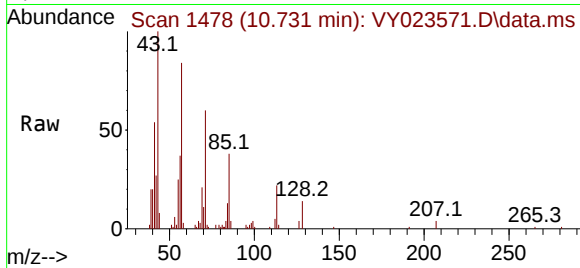




#59
2-Hexanone
Concen: 4.704 ug/l
RT: 10.731 min Scan# 1482
Delta R.T. -0.025 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

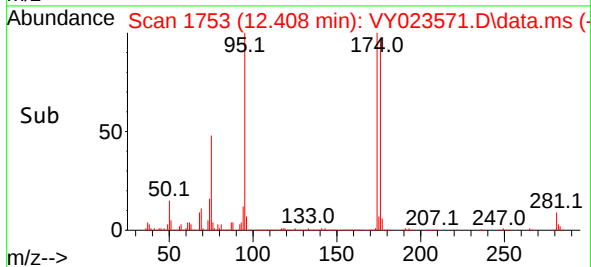
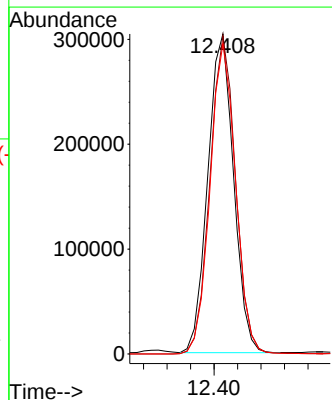
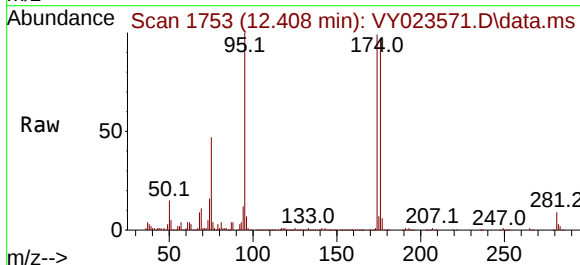
Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

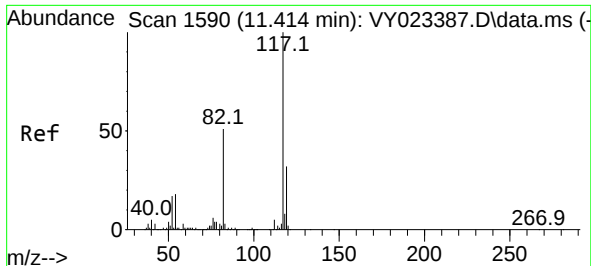
Tgt Ion: 43 Resp: 14641
Ion Ratio Lower Upper
43 100
58 5.5 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 46.731 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Tgt Ion: 95 Resp: 463137
Ion Ratio Lower Upper
95 100
174 99.3 0.0 192.8
176 96.5 0.0 187.6

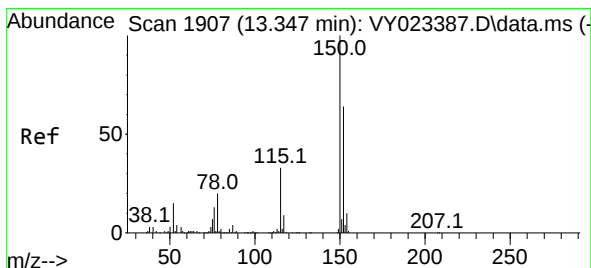
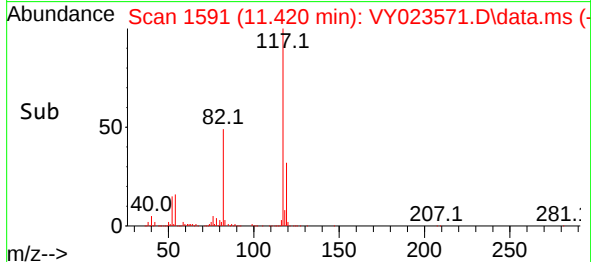
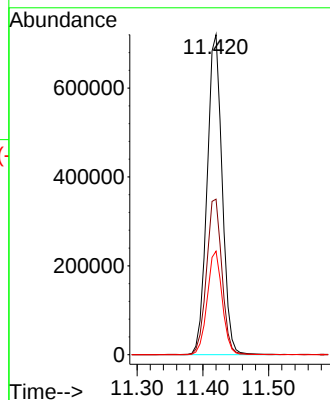
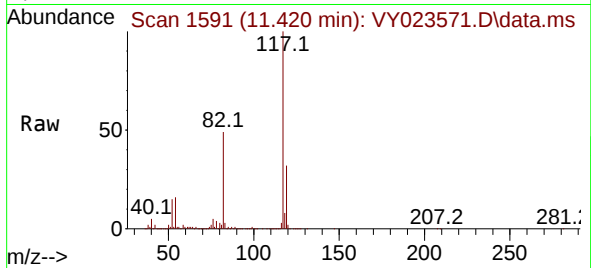




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

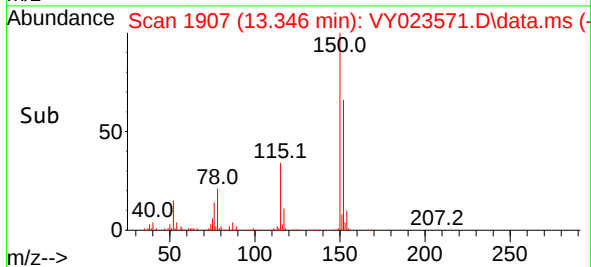
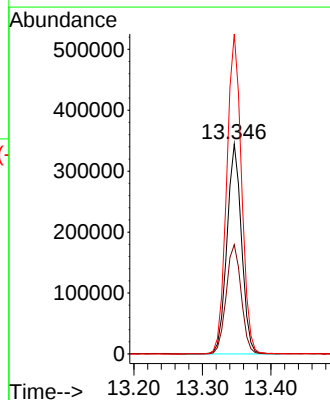
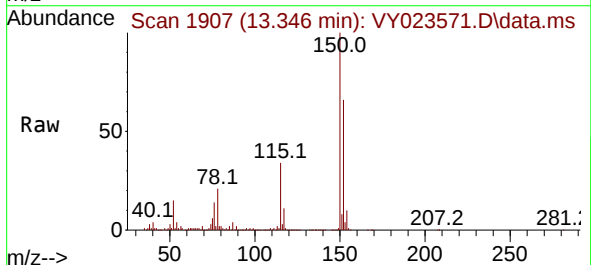
Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

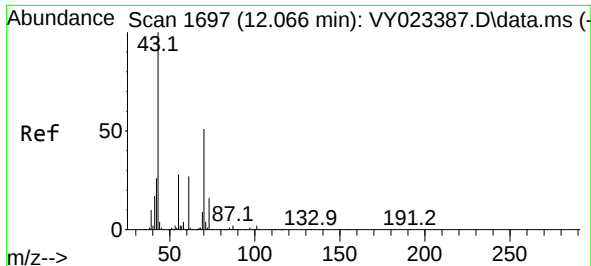
Tgt Ion:117 Resp: 1147899
Ion Ratio Lower Upper
117 100
82 48.5 41.0 61.4
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Tgt Ion:152 Resp: 505336
Ion Ratio Lower Upper
152 100
115 53.6 27.1 81.2
150 155.4 0.0 347.4

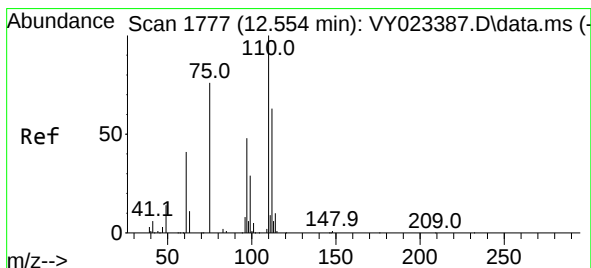
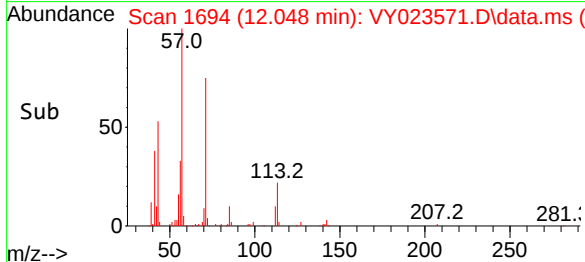
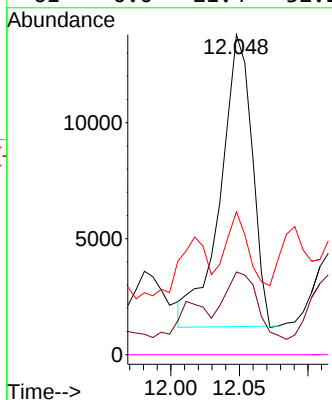
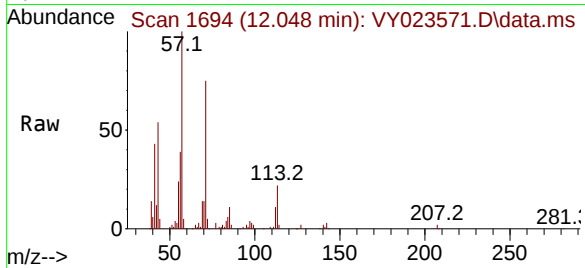




#74
N-amy1 acetate
Concen: 3.389 ug/l
RT: 12.048 min Scan# 1753
Delta R.T. -0.018 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

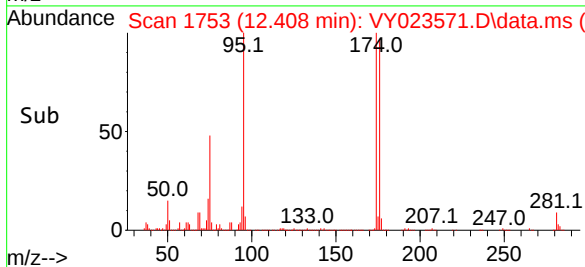
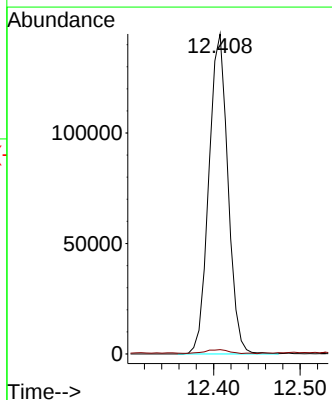
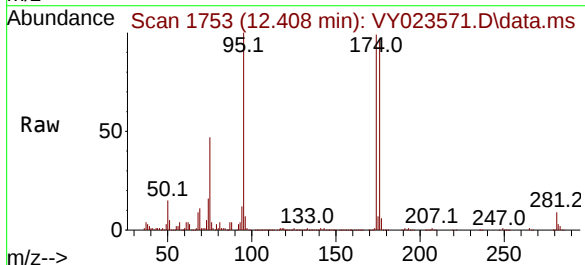
Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

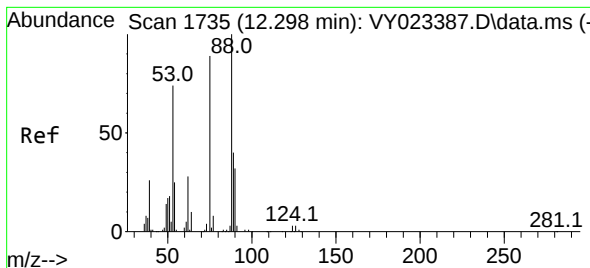
Tgt Ion: 43 Resp: 20272
Ion Ratio Lower Upper
43 100
70 23.6 41.1 61.7#
55 36.6 23.0 34.6#
61 0.0 21.4 32.2#



#76
1,2,3-Trichloropropane
Concen: 49.702 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Tgt Ion: 75 Resp: 221592
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

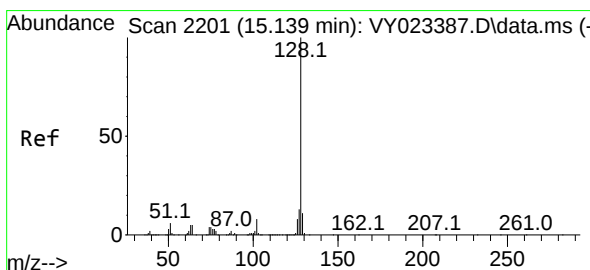
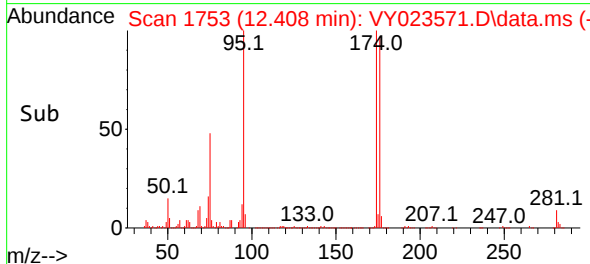
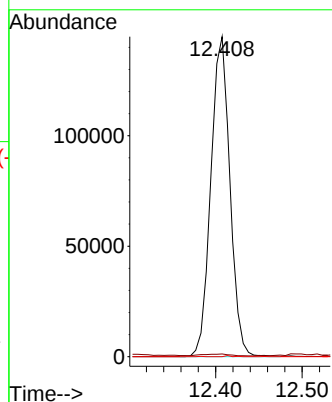
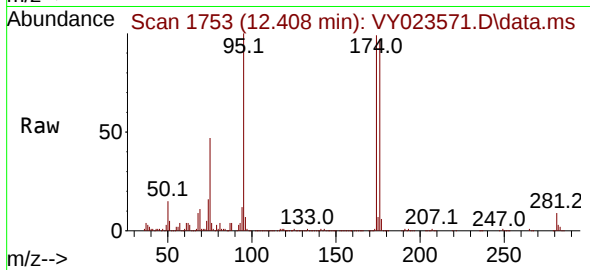




#81
trans-1,4-Dichloro-2-butene
Concen: 121.879 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

Tgt Ion: 75 Resp: 221592
Ion Ratio Lower Upper
75 100
53 0.8 68.6 102.8#
89 0.1 39.0 58.4#



#95
Naphthalene
Concen: 1.807 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Tgt Ion:128 Resp: 27110
Ion Ratio Lower Upper
128 100
127 16.7 10.4 15.6#
129 11.9 8.9 13.3

