

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023632.D
 Acq On : 30 Oct 2025 15:00
 Operator : SY/MD
 Sample : Q3496-01
 Misc : 8.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 02:41:23 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)

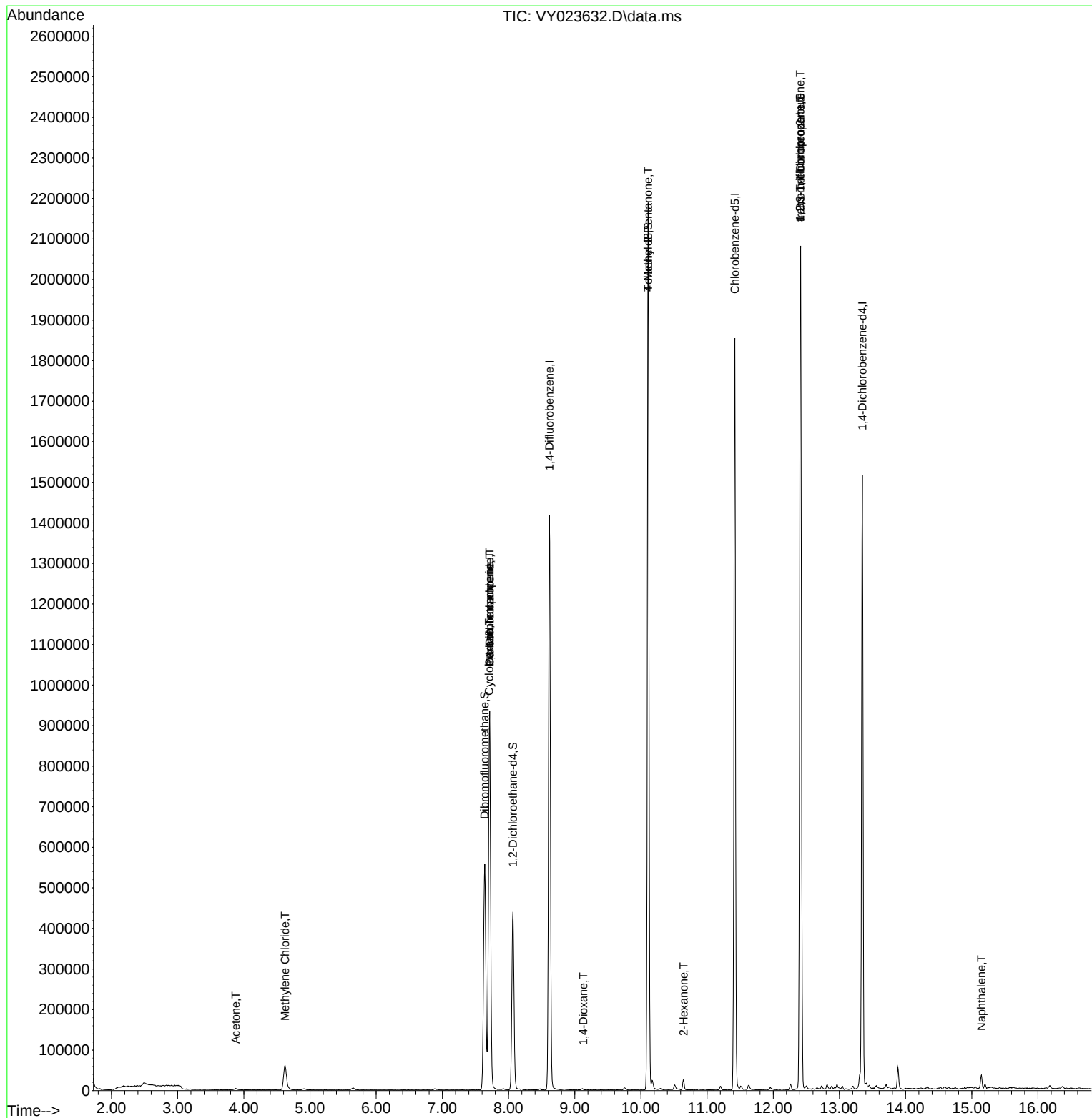
Internal Standards						
1) Pentafluorobenzene	7.713	168	766537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1295330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1075554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	413848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	346117	53.997	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.000%	
35) Dibromofluoromethane	7.640	113	405717	50.975	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.940%	
50) Toluene-d8	10.109	98	1451702	48.976	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.960%	
62) 4-Bromofluorobenzene	12.408	95	410998	41.999	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.000%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	5567	3.648	ug/l	96
20) Methylene Chloride	4.622	84	48677	5.899	ug/l	97
31) Cyclohexane	7.707	56	13227	1.240	ug/l #	4
36) 1,1-Dichloropropene	7.713	75	50419	4.785	ug/l #	48
38) Carbon Tetrachloride	7.713	117	71163	5.570	ug/l #	17
49) 1,4-Dioxane	9.128	88	55	1.018	ug/l #	1
51) 4-Methyl-2-Pentanone	10.109	43	5429	1.262	ug/l #	1
59) 2-Hexanone	10.646	43	7701	2.506	ug/l #	21
76) 1,2,3-Trichloropropane	12.408	75	207339	56.786	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	207339	139.250	ug/l #	15
95) Naphthalene	15.145	128	28182	2.293	ug/l	99

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

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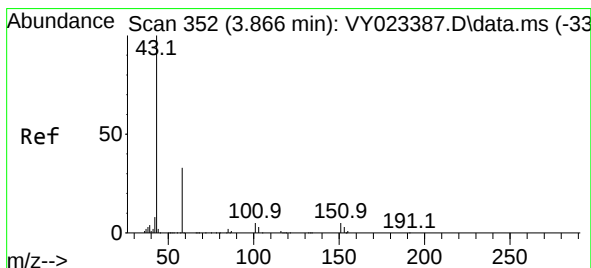
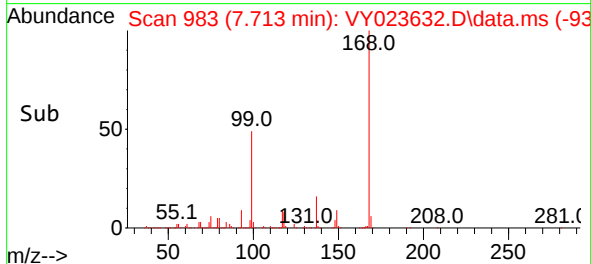
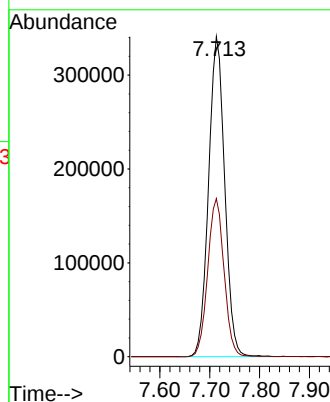
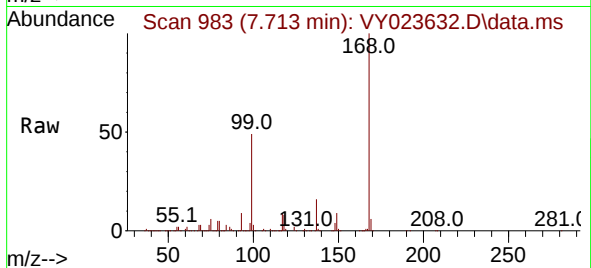




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

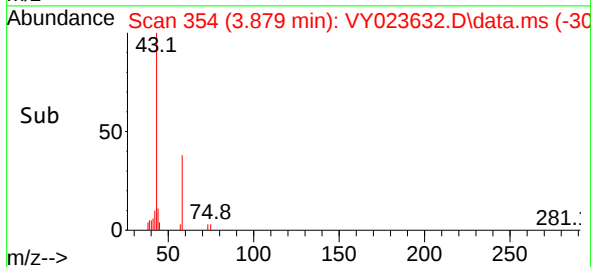
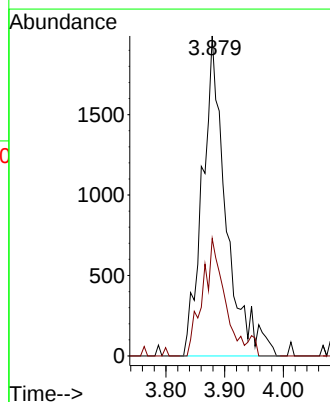
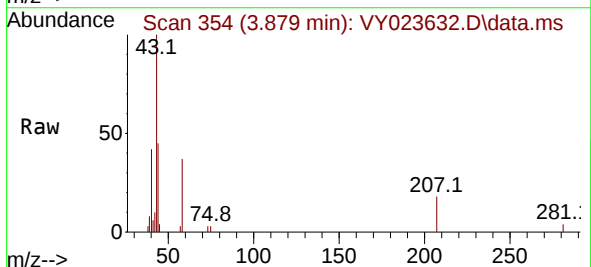
Instrument :
MSVOA_Y
ClientSampleId :

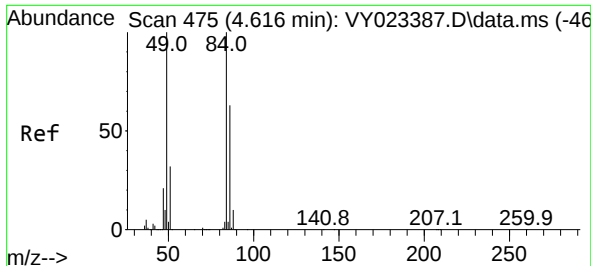
Tgt Ion:168 Resp: 766537
Ion Ratio Lower Upper
168 100
99 49.4 39.7 59.5



#16
Acetone
Concen: 3.648 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

Tgt Ion: 43 Resp: 5567
Ion Ratio Lower Upper
43 100
58 36.7 27.7 41.5



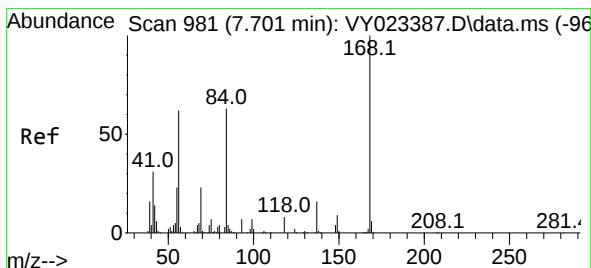
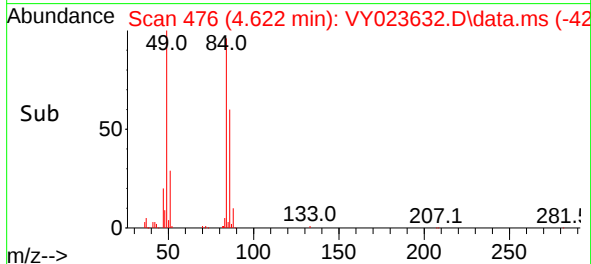
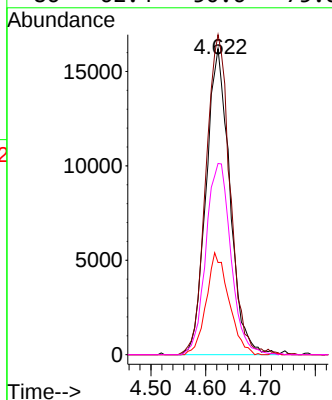
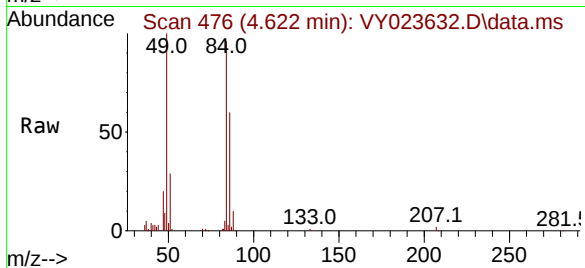


#20
Methylene Chloride
Concen: 5.899 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 48677

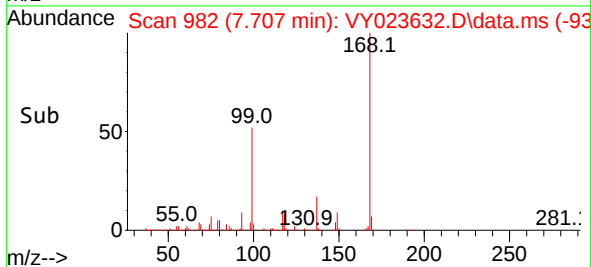
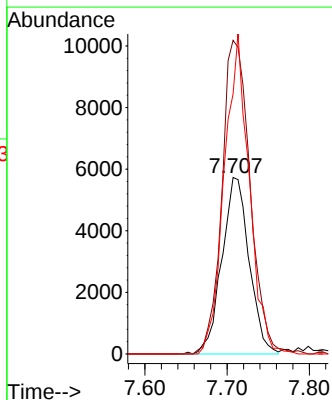
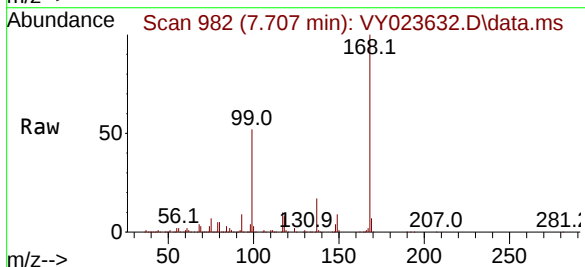
Ion	Ratio	Lower	Upper
84	100		
49	104.5	80.2	120.4
51	30.1	25.9	38.9
86	62.4	50.6	75.8

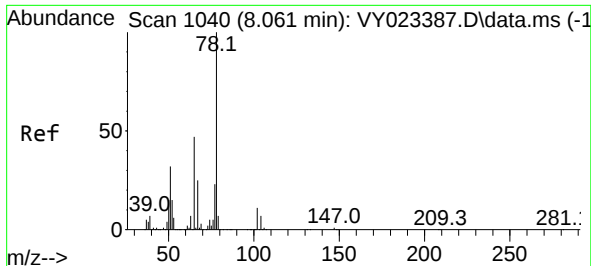


#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

Tgt Ion: 56 Resp: 13227

Ion	Ratio	Lower	Upper
56	100		
69	177.7	30.0	45.0#
84	147.4	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 53.997 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023632.D

Acq: 30 Oct 2025 15:00

Instrument :

MSVOA_Y

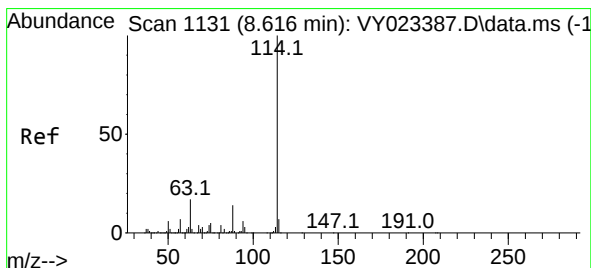
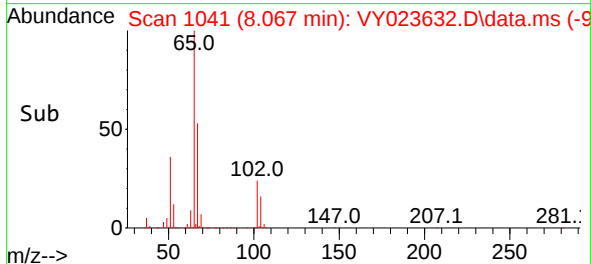
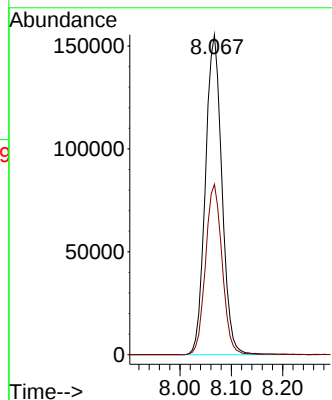
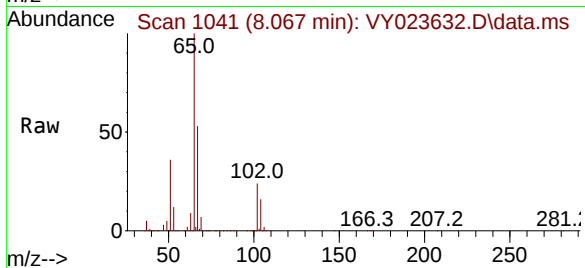
ClientSampleId :

Tgt Ion: 65 Resp: 346117

Ion Ratio Lower Upper

65 100

67 53.5 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: VY023632.D

Acq: 30 Oct 2025 15:00

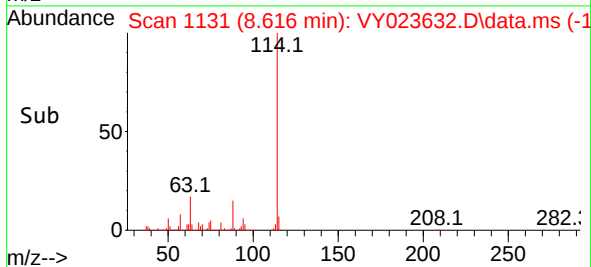
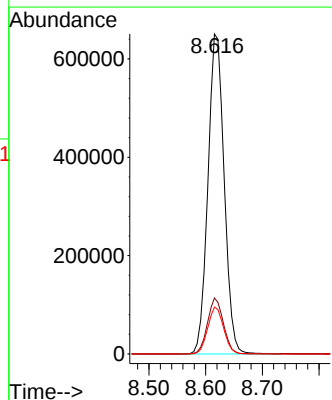
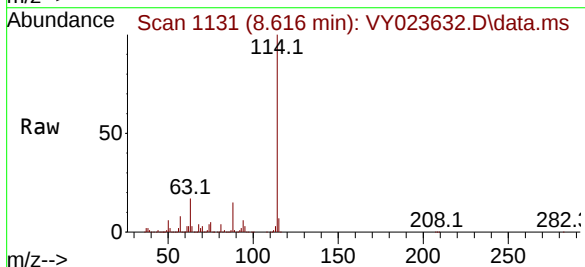
Tgt Ion:114 Resp: 1295330

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

88 14.6 0.0 28.4

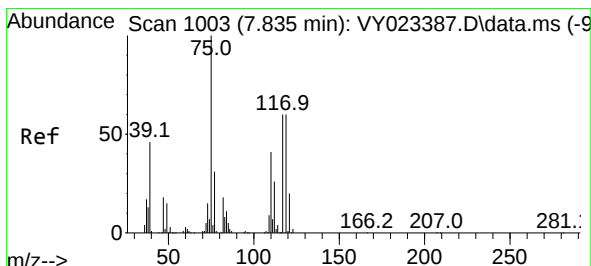
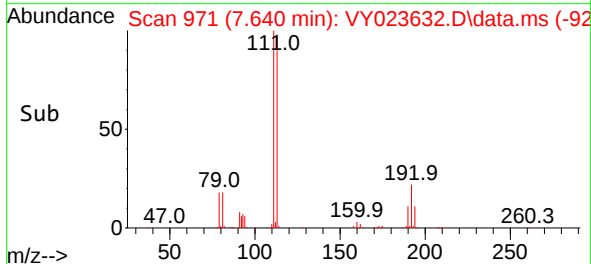
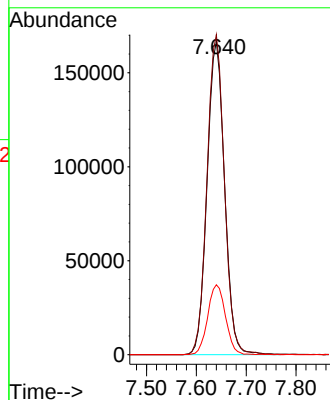
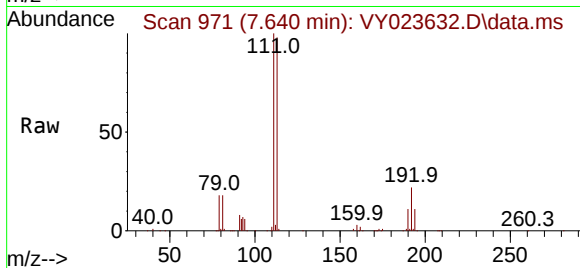




#35
Dibromofluoromethane
Concen: 50.975 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

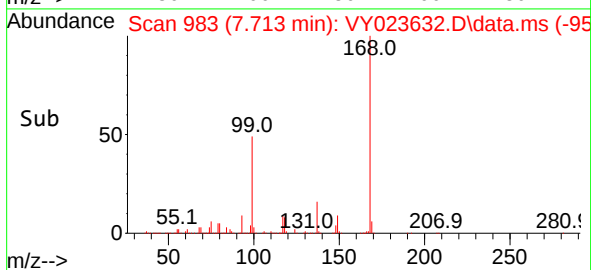
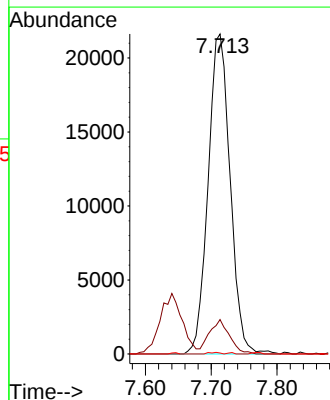
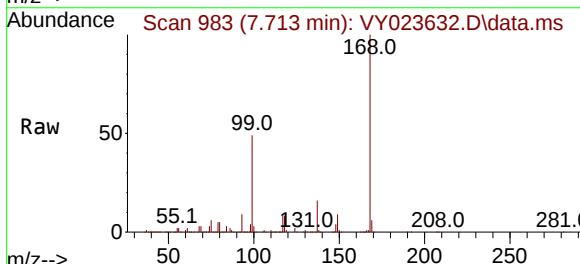
Instrument :
MSVOA_Y
ClientSampleId :

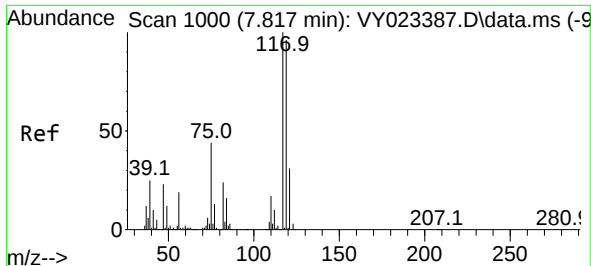
Tgt Ion:113 Resp: 405717
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.6
192 22.7 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

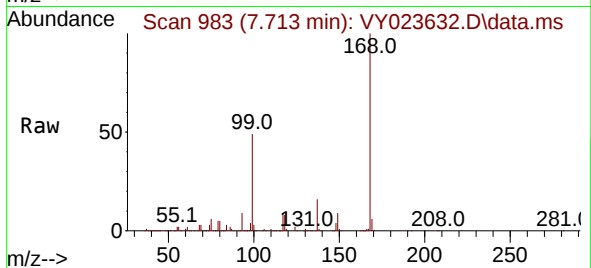
Tgt Ion: 75 Resp: 50419
Ion Ratio Lower Upper
75 100
110 10.0 19.9 59.7#
77 0.3 25.0 37.6#



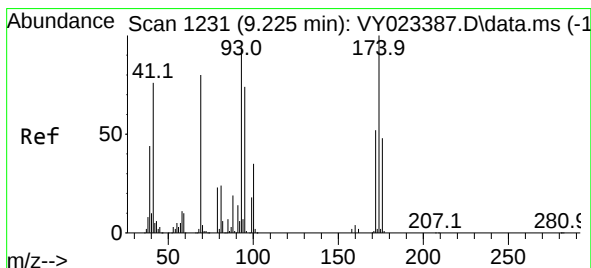
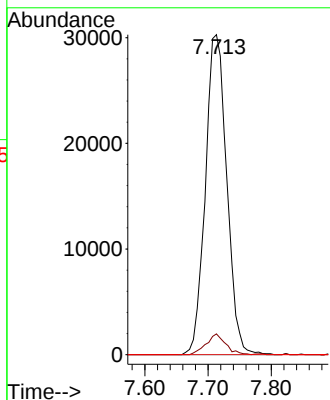
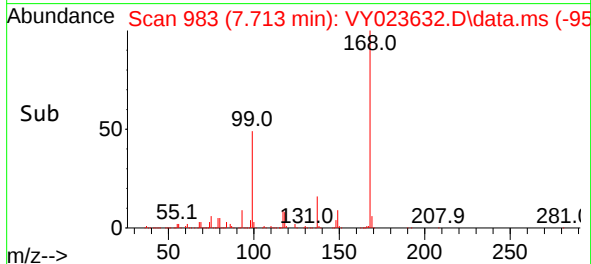


#38
Carbon Tetrachloride
Concen: 5.570 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

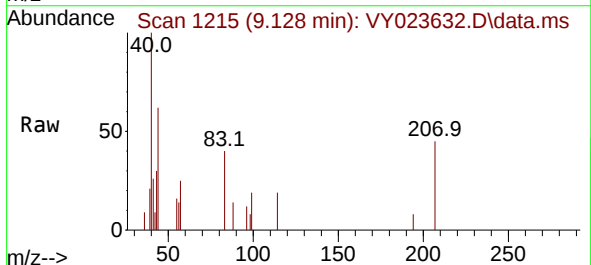
Instrument :
MSVOA_Y
ClientSampleId :



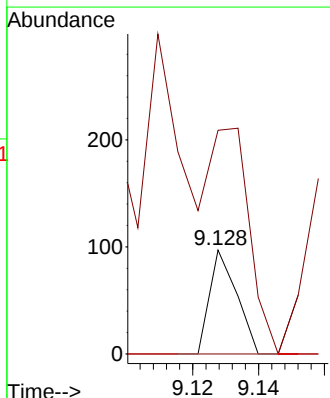
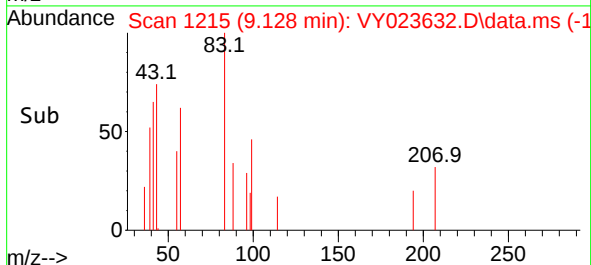
Tgt Ion:117 Resp: 71163
Ion Ratio Lower Upper
117 100
119 6.5 76.8 115.2#
121 0.0 24.5 36.7#

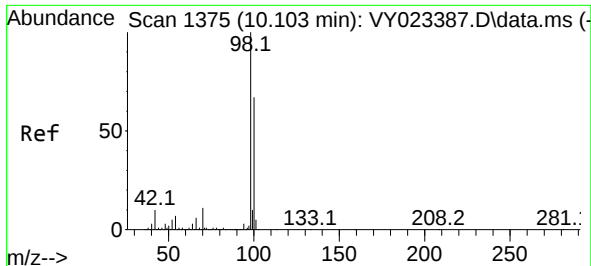


#49
1,4-Dioxane
Concen: 1.018 ug/l
RT: 9.128 min Scan# 1215
Delta R.T. -0.098 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00



Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 741.8 21.8 32.8#
58 0.0 46.8 70.2#

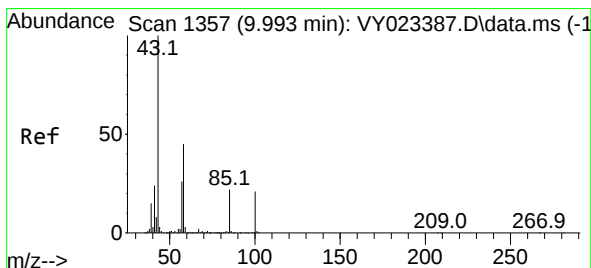
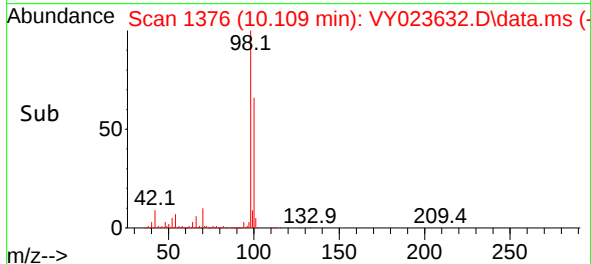
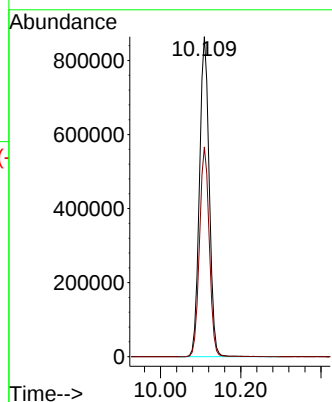
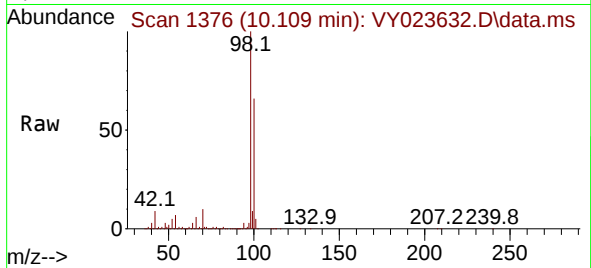




#50
Toluene-d8
Concen: 48.976 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

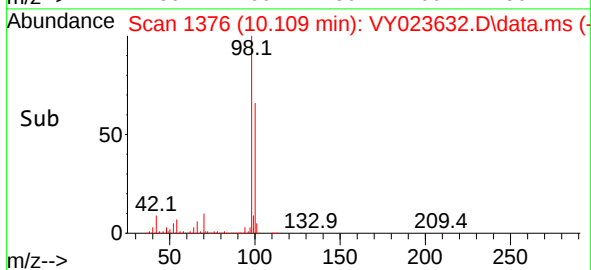
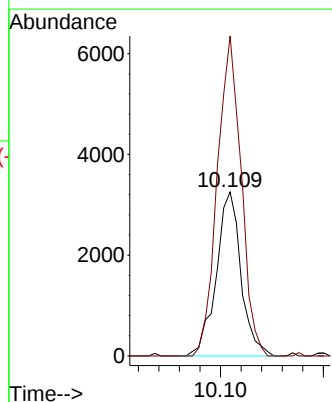
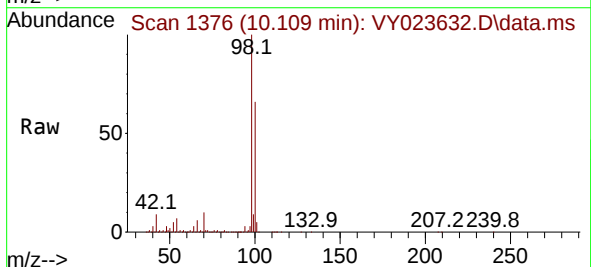
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ClientSampleId :

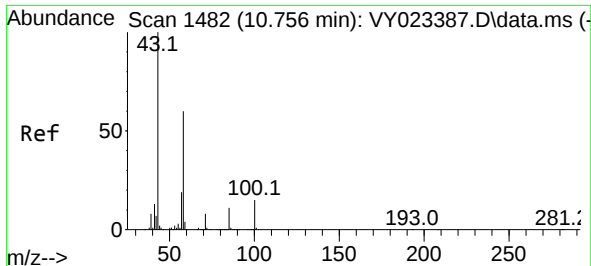
Tgt Ion: 98 Resp: 1451702
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.262 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

Tgt Ion: 43 Resp: 5429
Ion Ratio Lower Upper
43 100
58 188.2 35.3 52.9#

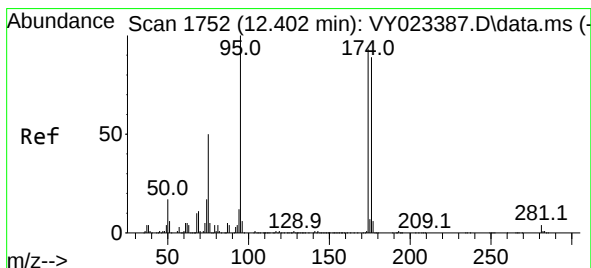
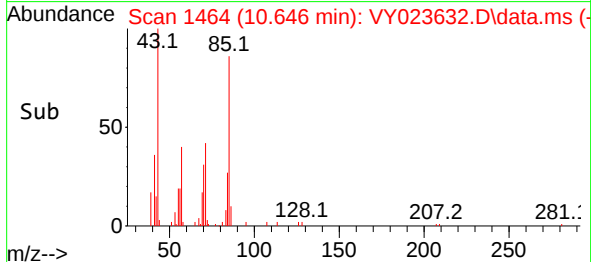
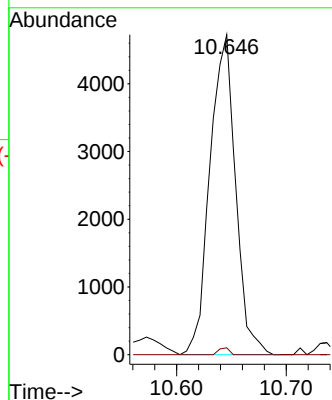
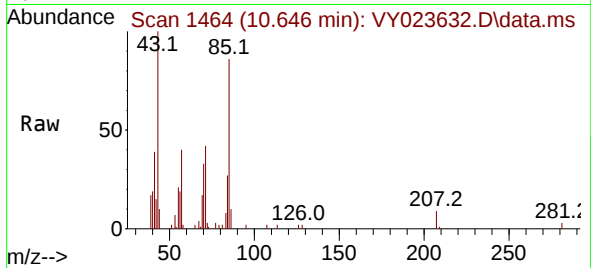




#59
2-Hexanone
Concen: 2.506 ug/l
RT: 10.646 min Scan# 1482
Delta R.T. -0.110 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

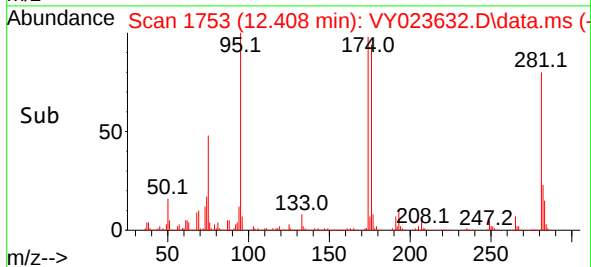
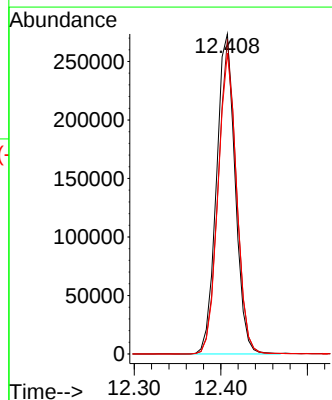
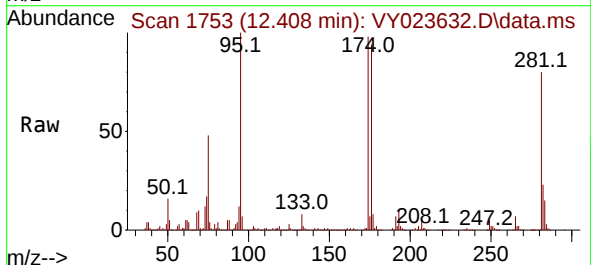
Instrument :
MSVOA_Y
ClientSampleId :

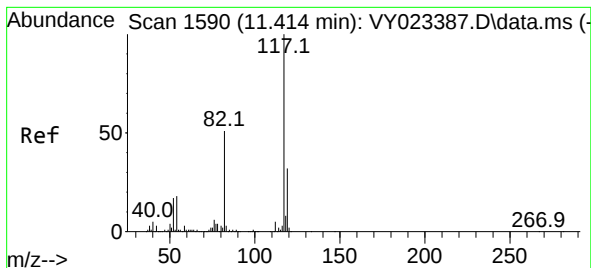
Tgt Ion: 43 Resp: 7701
Ion Ratio Lower Upper
43 100
58 0.9 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 41.999 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

Tgt Ion: 95 Resp: 410998
Ion Ratio Lower Upper
95 100
174 95.3 0.0 192.8
176 93.4 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: VY023632.D

Acq: 30 Oct 2025 15:00

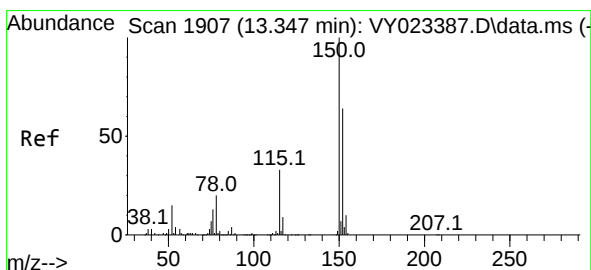
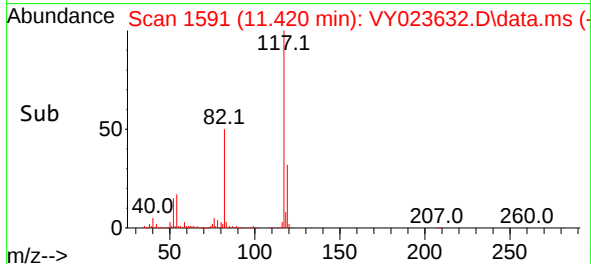
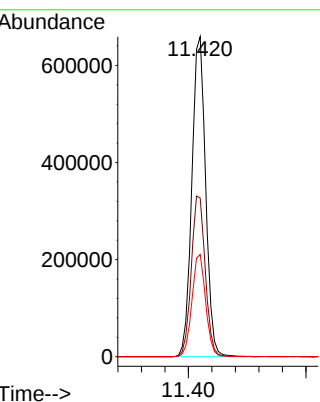
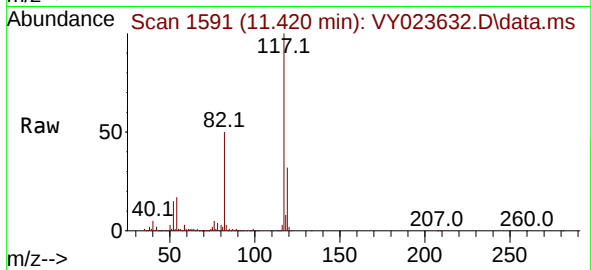
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117 Resp: 1075554

Ion	Ratio	Lower	Upper
117	100		
82	49.6	41.0	61.4
119	32.0	25.6	38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

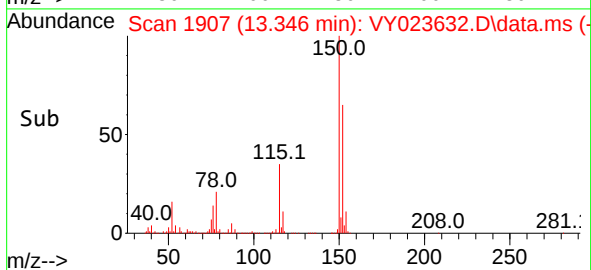
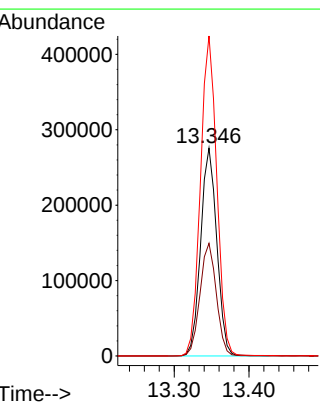
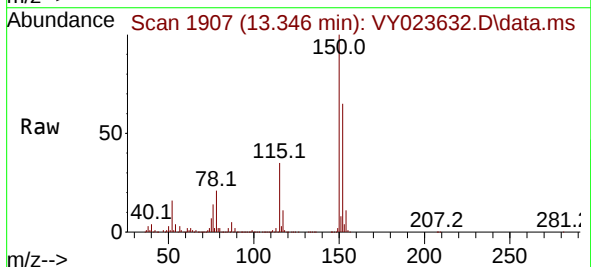
Delta R.T. -0.000 min

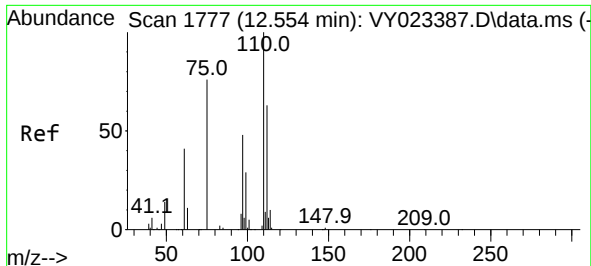
Lab File: VY023632.D

Acq: 30 Oct 2025 15:00

Tgt Ion:152 Resp: 413848

Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.1	81.2
150	155.8	0.0	347.4

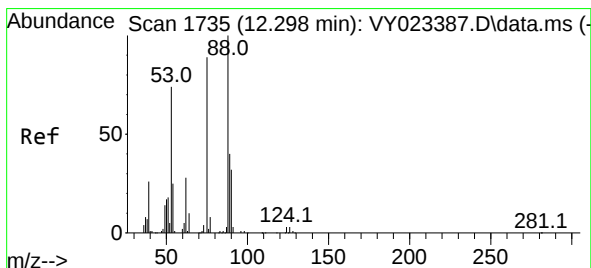
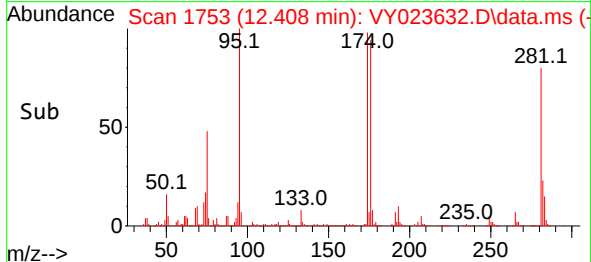
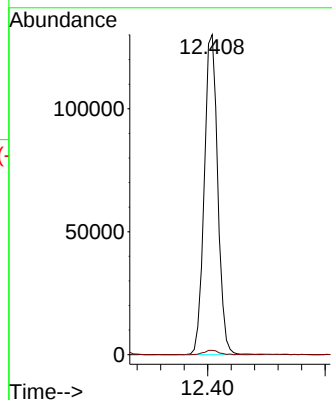
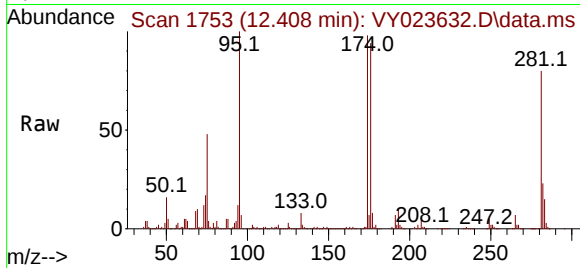




#76
 1,2,3-Trichloropropane
 Concen: 56.786 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023632.D
 Acq: 30 Oct 2025 15:00

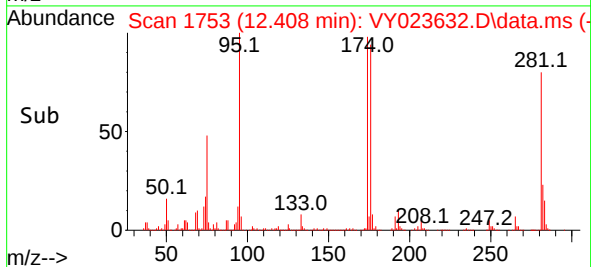
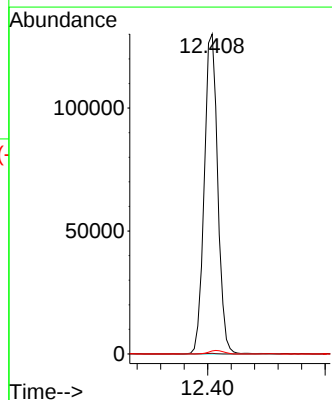
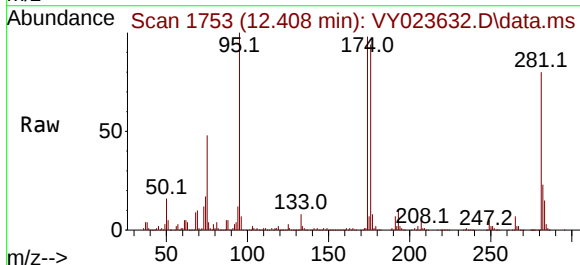
Instrument :
 MSVOA_Y
 ClientSampleId :

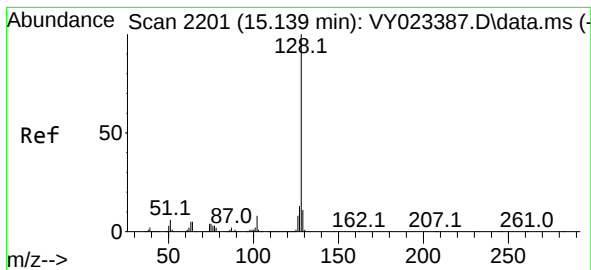
Tgt Ion: 75 Resp: 207339
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.250 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.110 min
 Lab File: VY023632.D
 Acq: 30 Oct 2025 15:00

Tgt Ion: 75 Resp: 207339
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 1.2 39.0 58.4#





#95

Naphthalene

Concen: 2.293 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

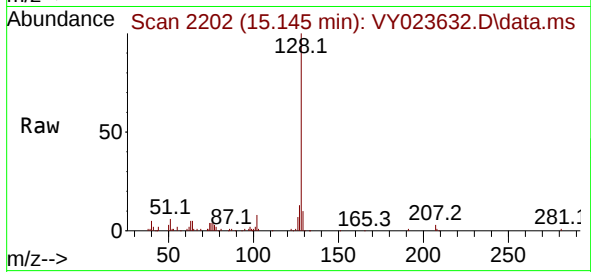
Lab File: VY023632.D

Acq: 30 Oct 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 28182

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.5 8.9 13.3

