

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023626.D
 Acq On : 30 Oct 2025 12:40
 Operator : SY/MD
 Sample : Q3486-05
 Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 02:38:59 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)

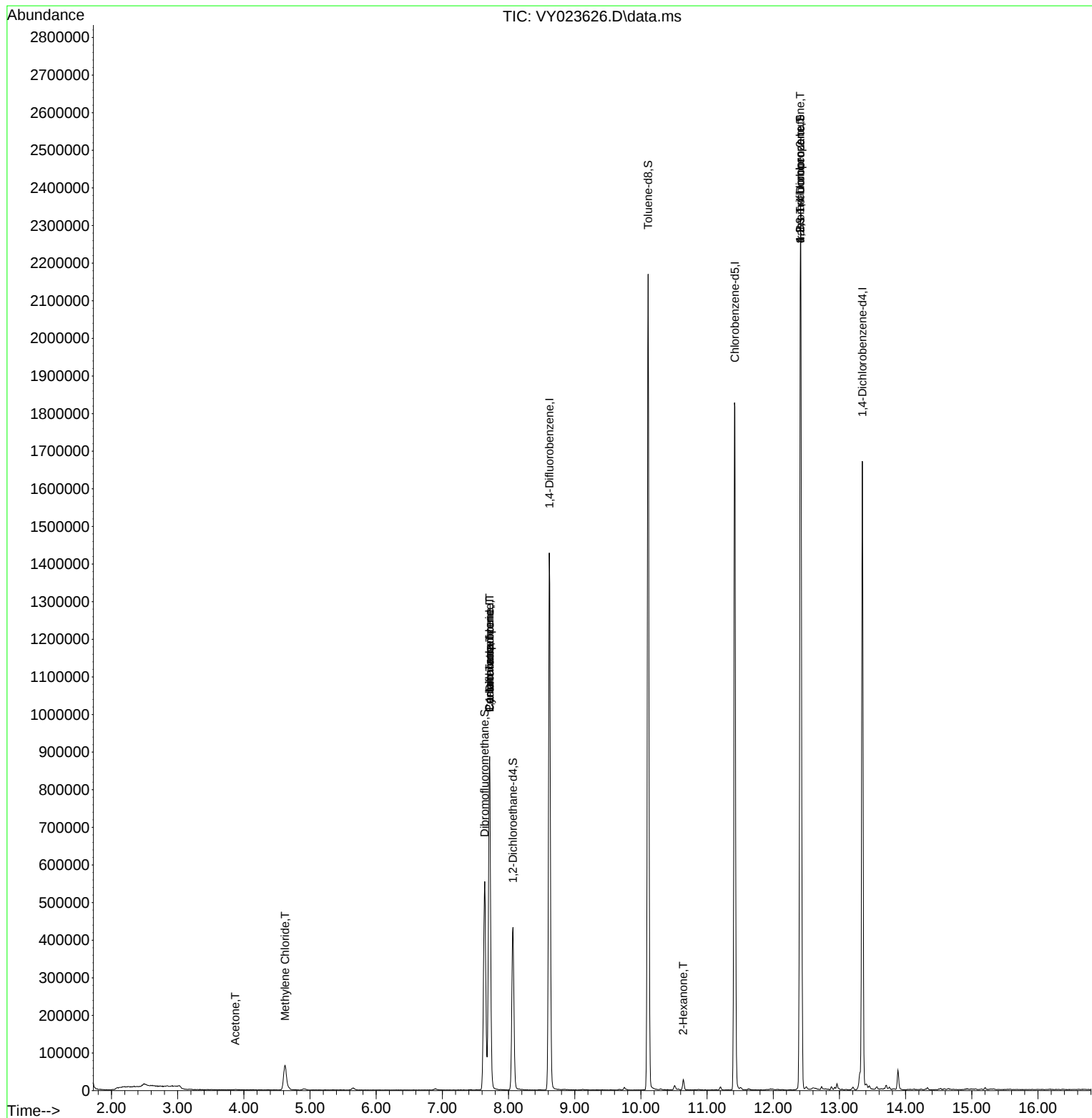
Internal Standards						
1) Pentafluorobenzene	7.713	168	730402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1267834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1054757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	429405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	341830	55.967	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.940%
35) Dibromofluoromethane	7.640	113	396928	50.952	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.900%
50) Toluene-d8	10.109	98	1430863	49.320	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.640%
62) 4-Bromofluorobenzene	12.408	95	409240	42.726	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.460%
Target Compounds						Qvalue
16) Acetone	3.873	43	2445	1.682	ug/l	97
20) Methylene Chloride	4.623	84	54072	6.877	ug/l	99
31) Cyclohexane	7.713	56	13231	1.302	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	48987	4.750	ug/l #	47
38) Carbon Tetrachloride	7.713	117	67346	5.385	ug/l #	16
59) 2-Hexanone	10.640	43	8325	2.767	ug/l #	22
76) 1,2,3-Trichloropropane	12.408	75	208687	55.084	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	208687	135.077	ug/l #	15

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

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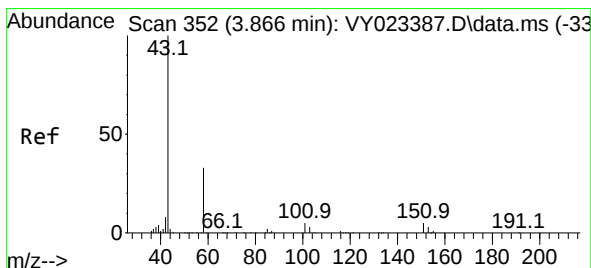
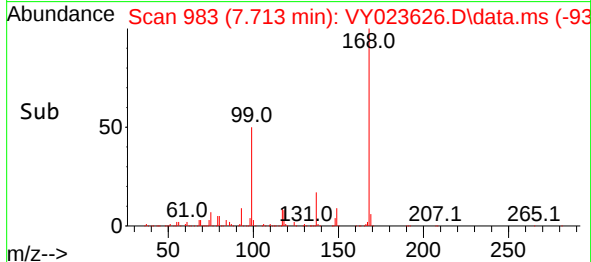
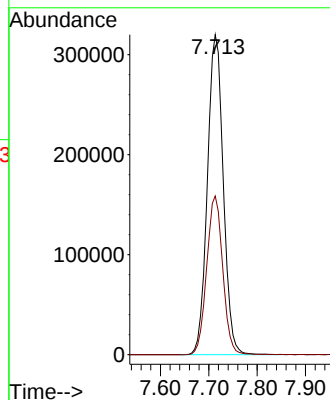
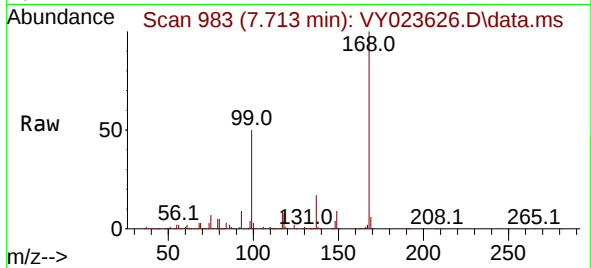




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

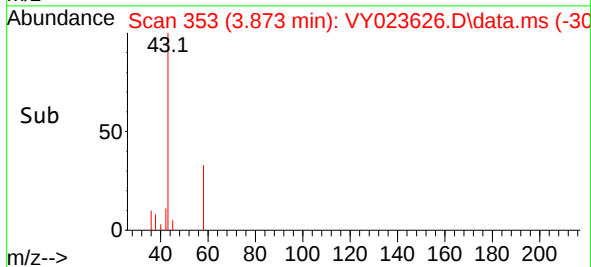
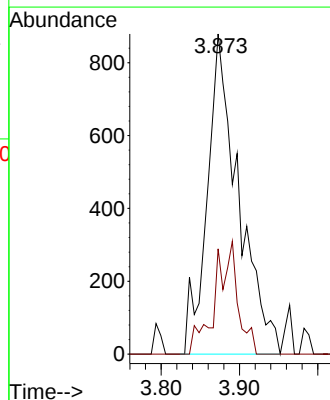
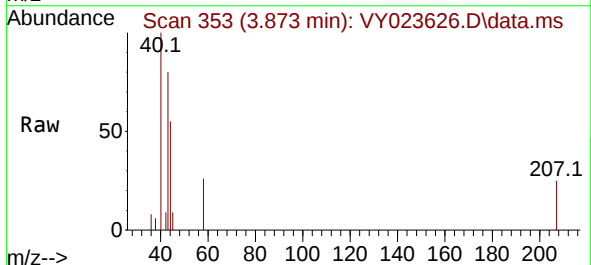
Instrument :
MSVOA_Y
ClientSampleId :

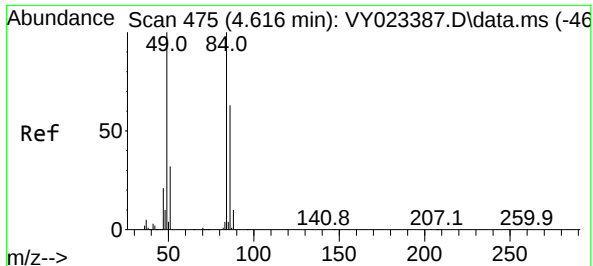
Tgt Ion:168 Resp: 730402
Ion Ratio Lower Upper
168 100
99 49.6 39.7 59.5



#16
Acetone
Concen: 1.682 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

Tgt Ion: 43 Resp: 2445
Ion Ratio Lower Upper
43 100
58 32.9 27.7 41.5



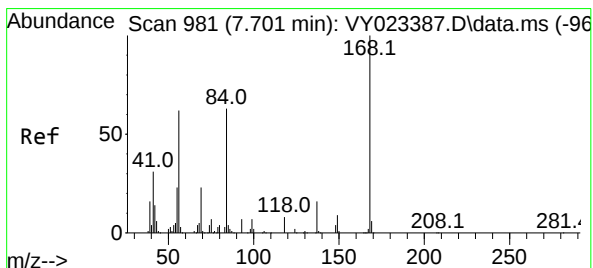
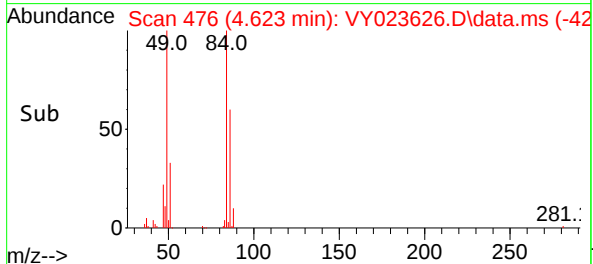
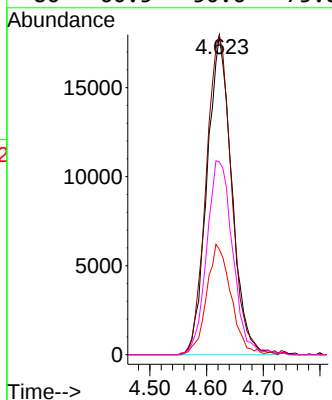
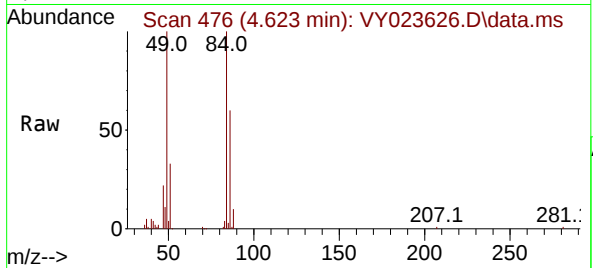


#20
Methylene Chloride
Concen: 6.877 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 54072

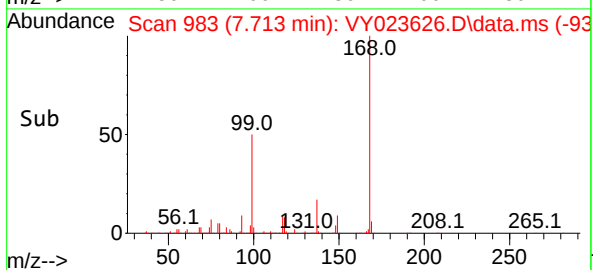
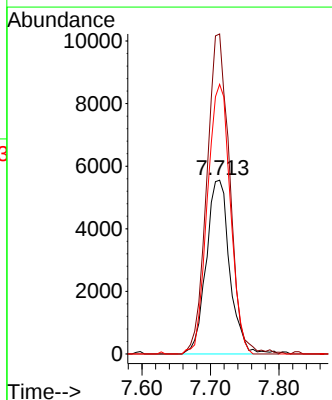
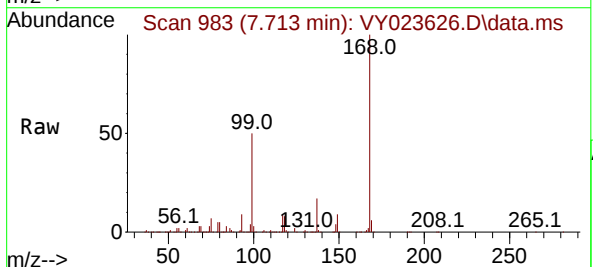
Ion	Ratio	Lower	Upper
84	100		
49	100.4	80.2	120.4
51	33.1	25.9	38.9
86	60.5	50.6	75.8

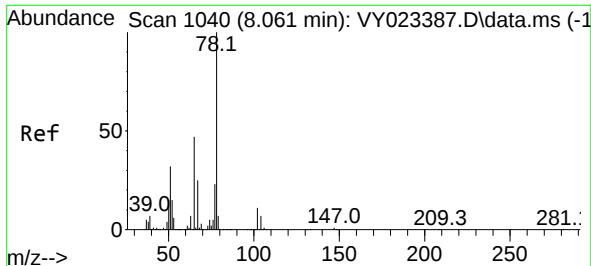


#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

Tgt Ion: 56 Resp: 13231

Ion	Ratio	Lower	Upper
56	100		
69	184.2	30.0	45.0#
84	155.2	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 55.967 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023626.D

Acq: 30 Oct 2025 12:40

Instrument :

MSVOA_Y

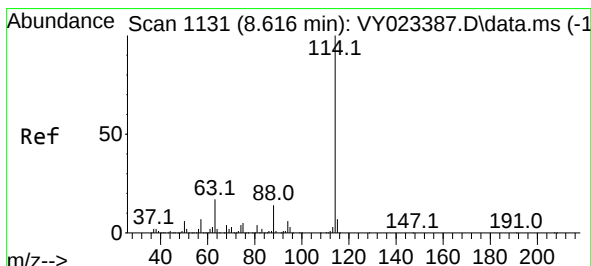
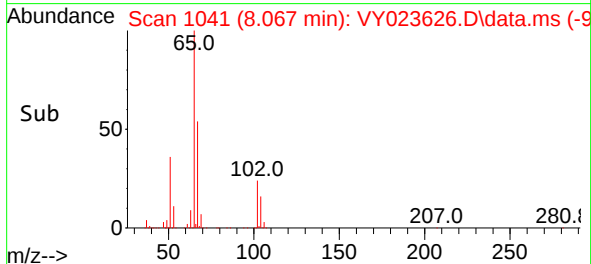
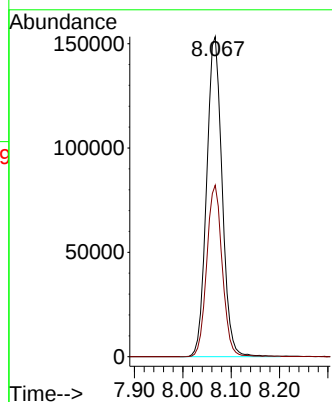
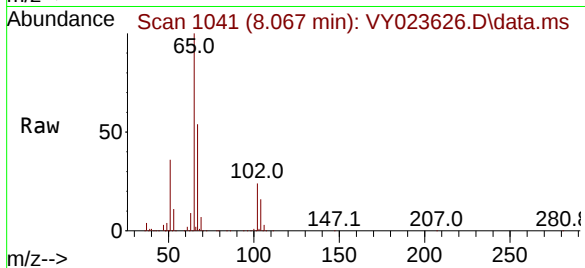
ClientSampleId :

Tgt Ion: 65 Resp: 341830

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: VY023626.D

Acq: 30 Oct 2025 12:40

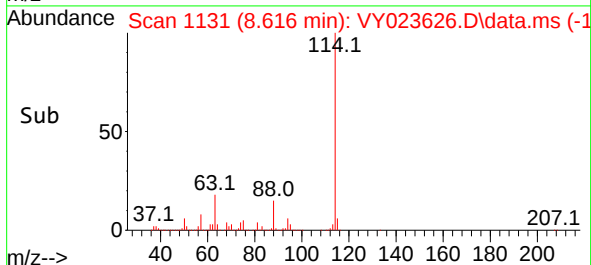
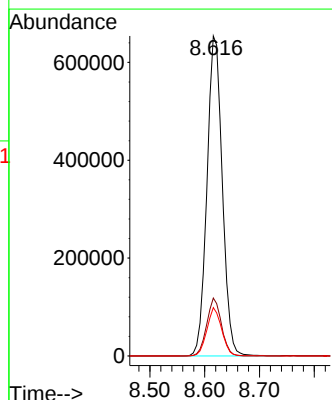
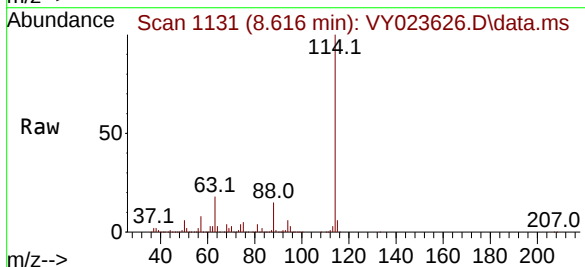
Tgt Ion: 114 Resp: 1267834

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.2

88 15.1 0.0 28.4

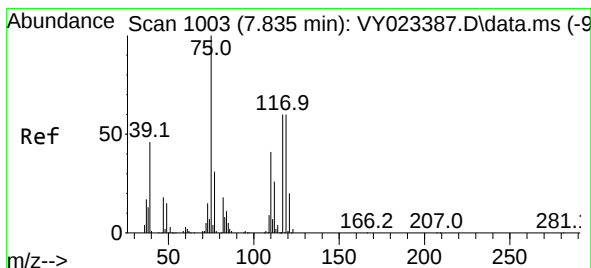
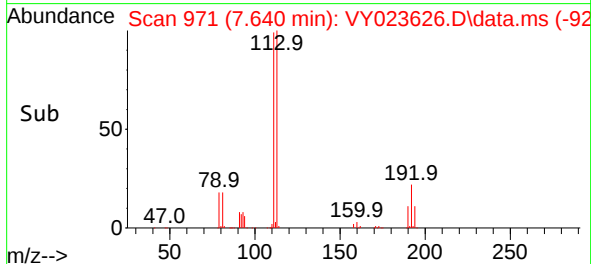
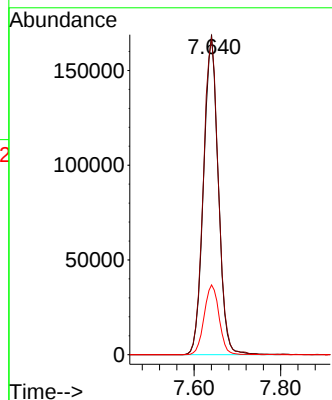
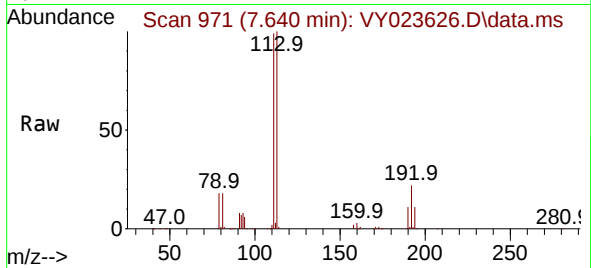




#35
Dibromofluoromethane
Concen: 50.952 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

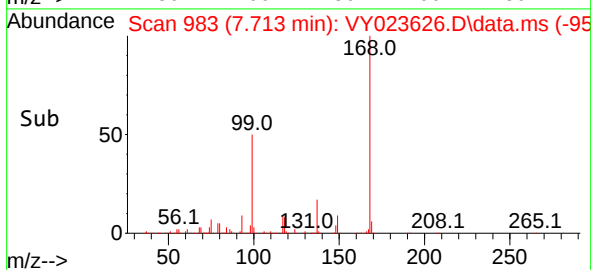
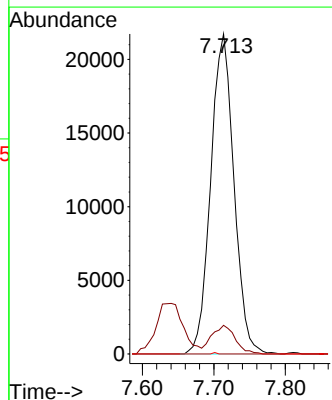
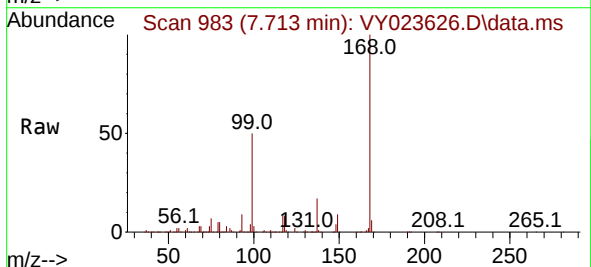
Instrument :
MSVOA_Y
ClientSampleId :

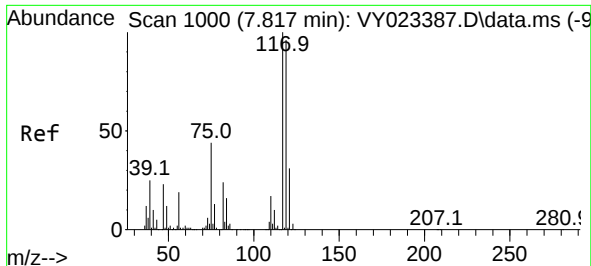
Tgt Ion:113 Resp: 396928
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 22.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.750 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

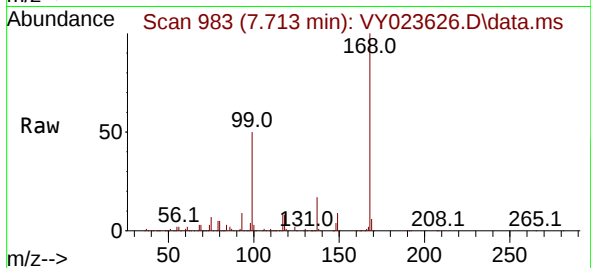
Tgt Ion: 75 Resp: 48987
Ion Ratio Lower Upper
75 100
110 9.0 19.9 59.7#
77 0.1 25.0 37.6#



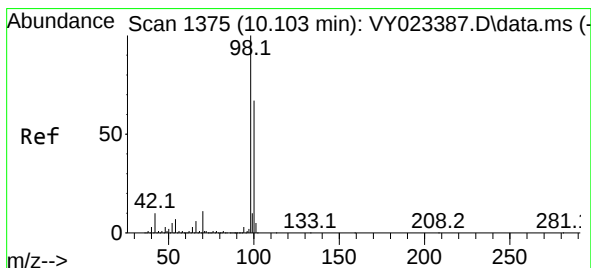
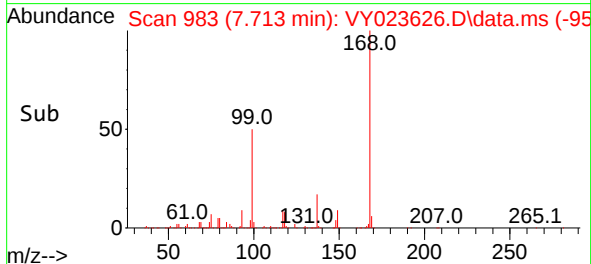
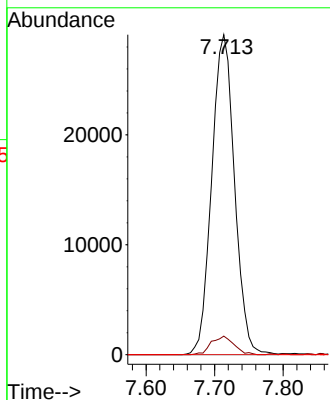


#38
Carbon Tetrachloride
Concen: 5.385 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :

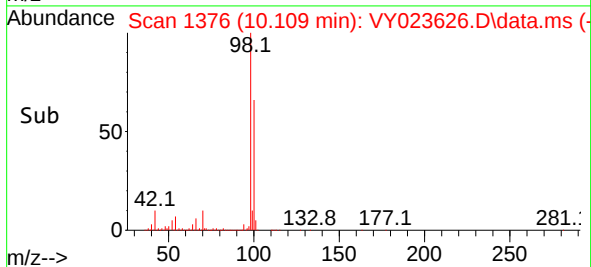
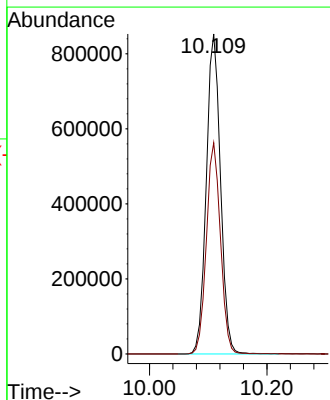
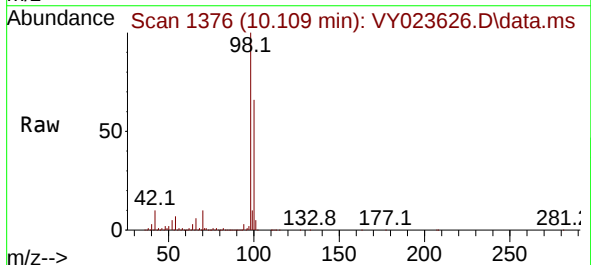


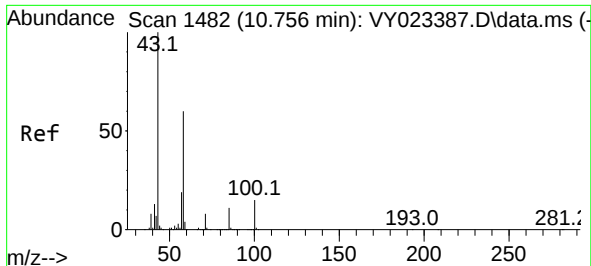
Tgt Ion:117 Resp: 67346
Ion Ratio Lower Upper
117 100
119 5.8 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.320 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

Tgt Ion: 98 Resp: 1430863
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4

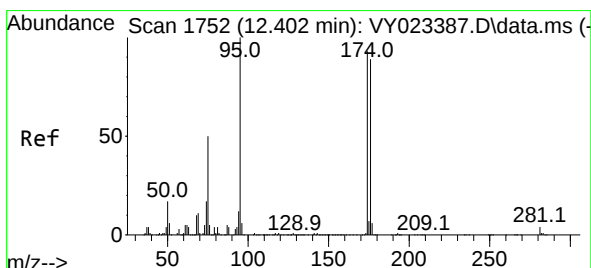
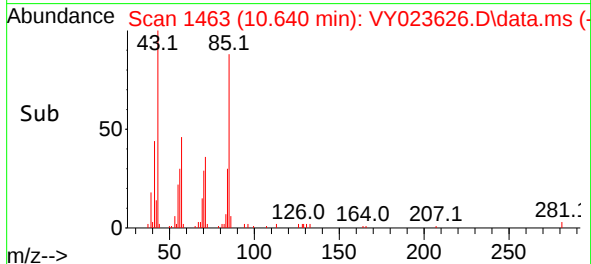
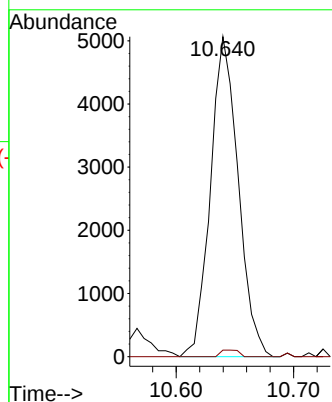
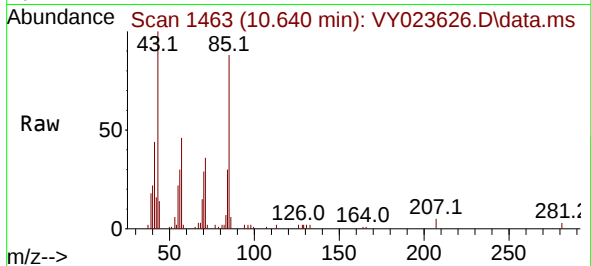




#59
2-Hexanone
Concen: 2.767 ug/l
RT: 10.640 min Scan# 1482
Delta R.T. -0.116 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

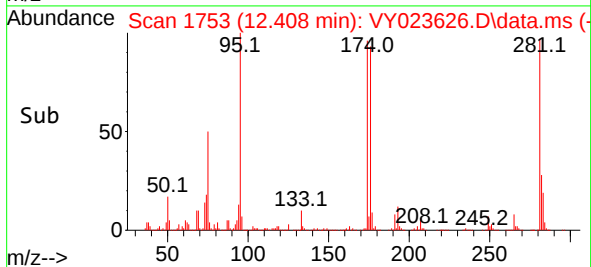
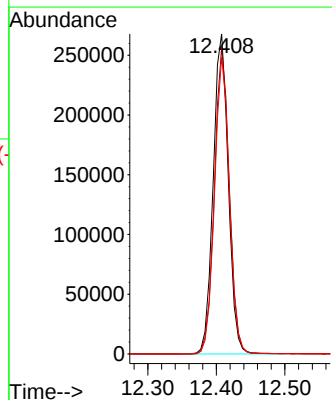
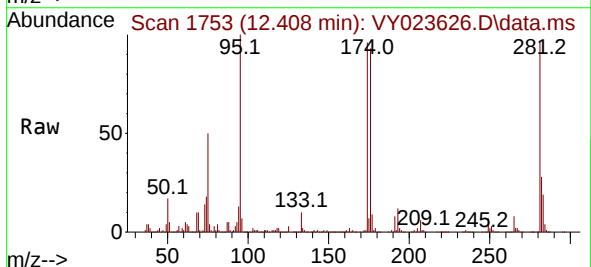
Instrument :
MSVOA_Y
ClientSampleId :

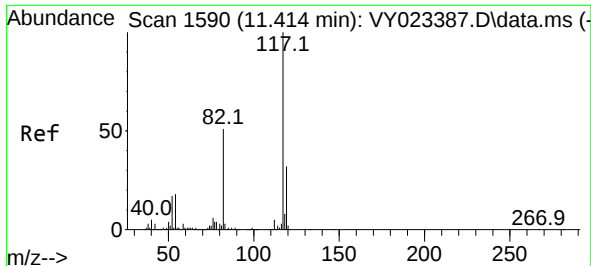
Tgt Ion: 43 Resp: 8325
Ion Ratio Lower Upper
43 100
58 1.3 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 42.726 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

Tgt Ion: 95 Resp: 409240
Ion Ratio Lower Upper
95 100
174 94.7 0.0 192.8
176 91.5 0.0 187.6

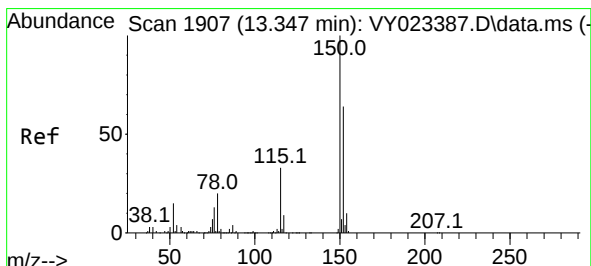
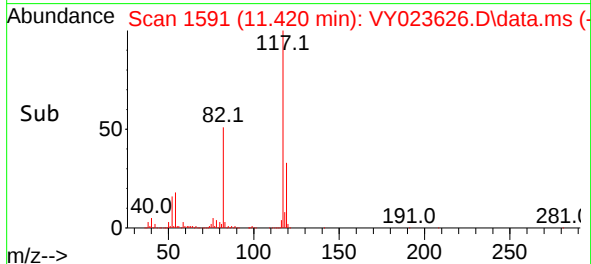
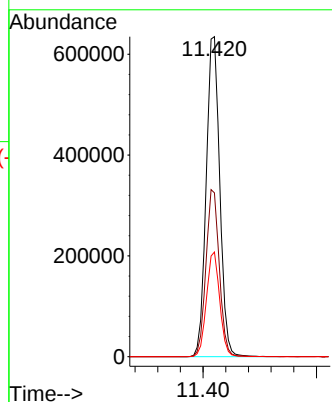
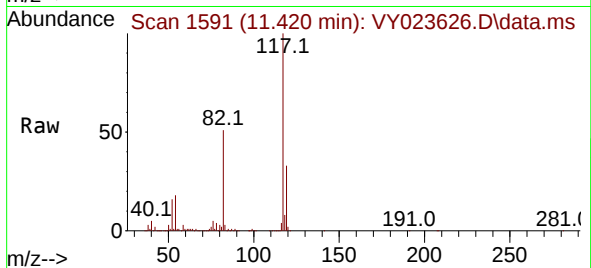




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

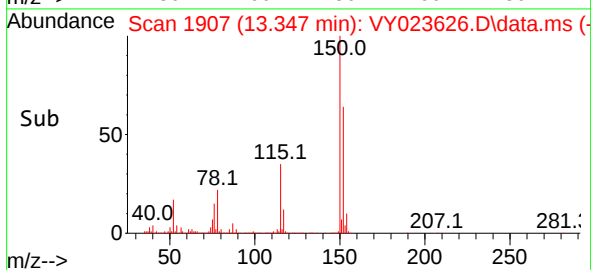
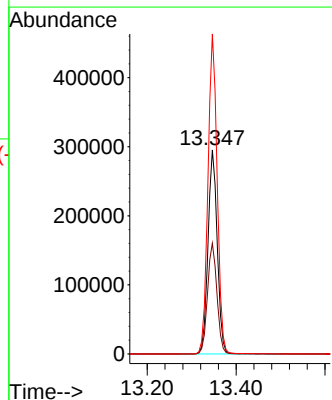
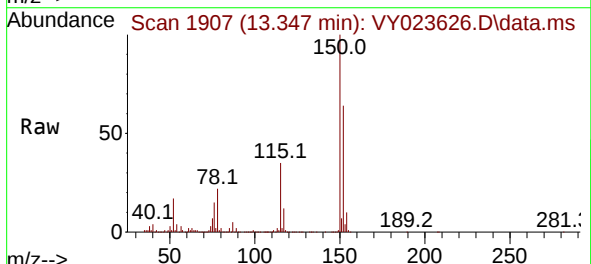
Instrument :
MSVOA_Y
ClientSampleId :

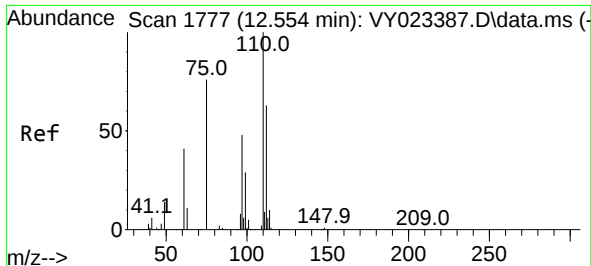
Tgt Ion:117 Resp: 1054757
Ion Ratio Lower Upper
117 100
82 51.2 41.0 61.4
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

Tgt Ion:152 Resp: 429405
Ion Ratio Lower Upper
152 100
115 55.6 27.1 81.2
150 156.8 0.0 347.4

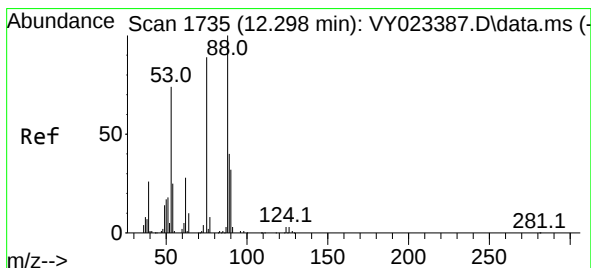
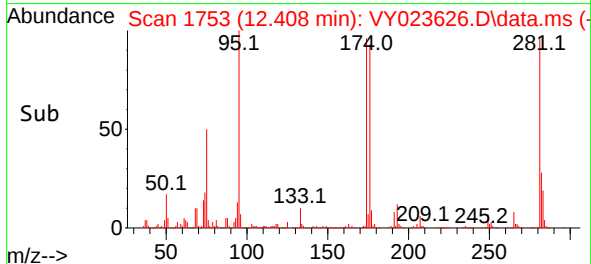
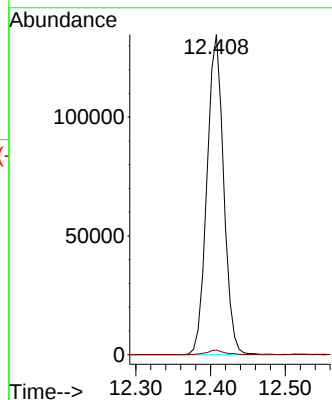
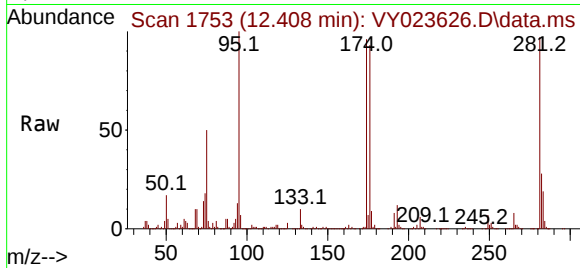




#76
1,2,3-Trichloropropane
Concen: 55.084 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 208687
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.077 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023626.D
Acq: 30 Oct 2025 12:40

Tgt Ion: 75 Resp: 208687
Ion Ratio Lower Upper
75 100
53 0.1 68.6 102.8#
89 1.7 39.0 58.4#

