

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023434.D
 Acq On : 10 Oct 2025 13:16
 Operator : SY/MD
 Sample : Q3323-01
 Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SED-01-0-2

Quant Time: Oct 11 01:57:04 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)

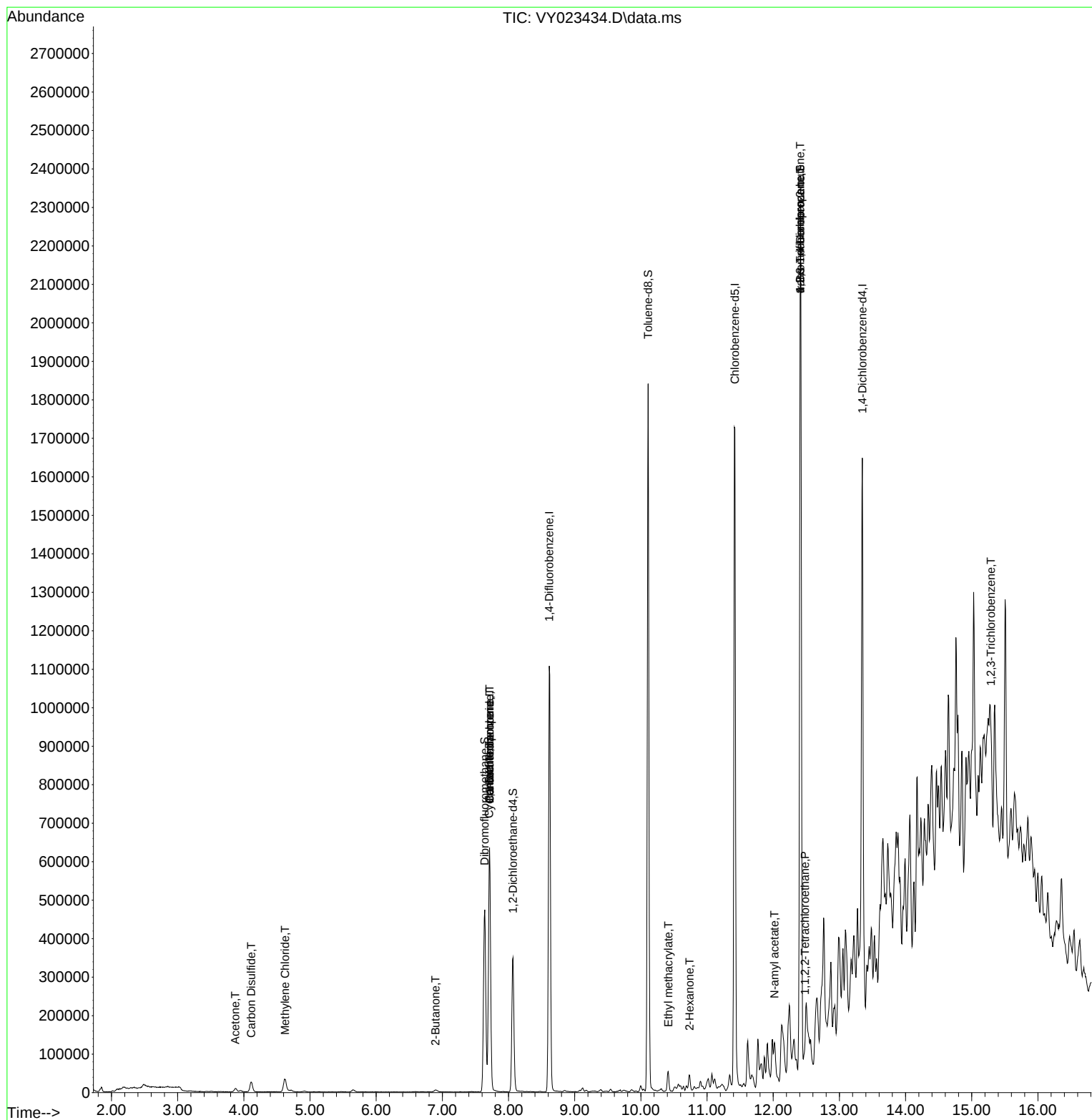
Internal Standards						
1) Pentafluorobenzene	7.713	168	523687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1011660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1001091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	371877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	274862	62.766	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.540%	
35) Dibromofluoromethane	7.640	113	340736	54.814	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.620%	
50) Toluene-d8	10.109	98	1215929	52.525	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.040%	
62) 4-Bromofluorobenzene	12.408	95	398755	52.174	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.340%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	15709	15.068	ug/l	97
17) Carbon Disulfide	4.110	76	54247	4.057	ug/l	97
20) Methylene Chloride	4.622	84	26641	4.726	ug/l	94
25) 2-Butanone	6.896	43	4579	3.598	ug/l #	83
31) Cyclohexane	7.707	56	9357	1.284	ug/l #	5
36) 1,1-Dichloropropene	7.713	75	35024	4.256	ug/l #	48
38) Carbon Tetrachloride	7.713	117	48326	4.843	ug/l #	17
56) Ethyl methacrylate	10.414	69	14033	2.485	ug/l #	88
59) 2-Hexanone	10.737	43	13020	5.424	ug/l #	27
74) N-amyl acetate	12.017	43	17108	3.887	ug/l #	22
75) 1,1,2,2-Tetrachloroethane	12.481	83	19034	4.749	ug/l #	60
76) 1,2,3-Trichloropropane	12.408	75	197551	60.212	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	197551	147.650	ug/l #	17
96) 1,2,3-Trichlorobenzene	15.291	180	13909	2.316	ug/l #	46

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

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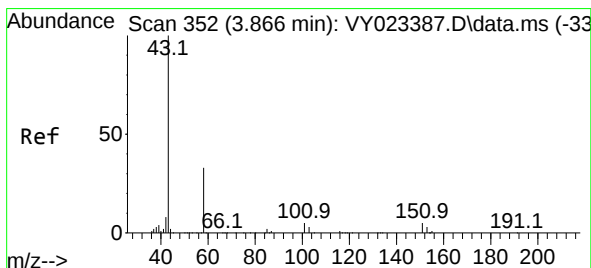
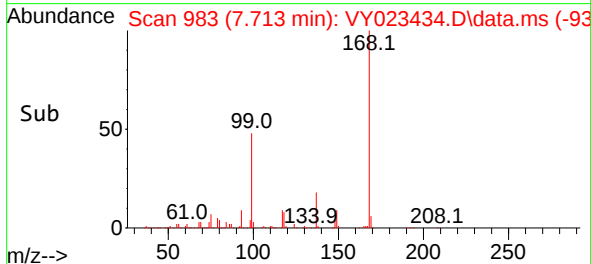
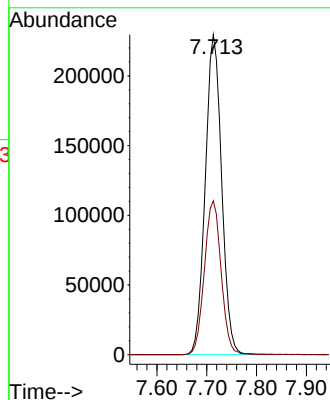
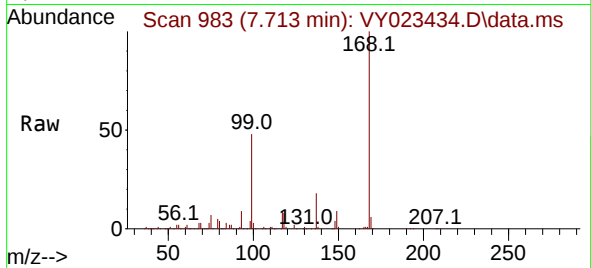




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

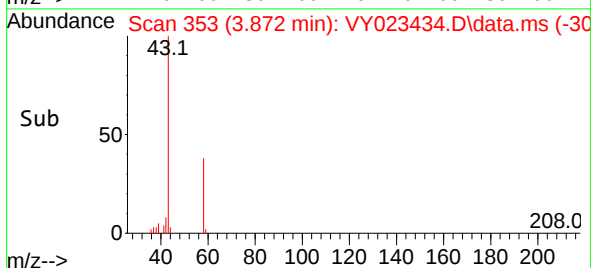
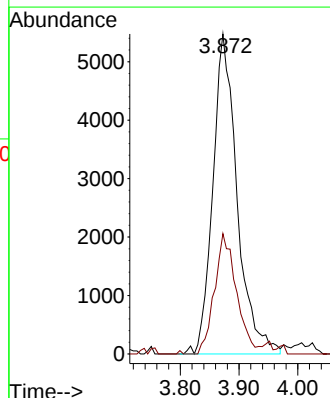
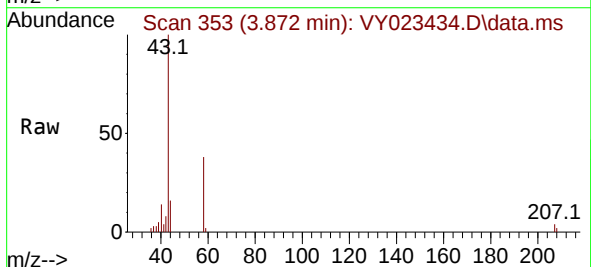
Instrument :
MSVOA_Y
ClientSampleId :
SED-01-0-2

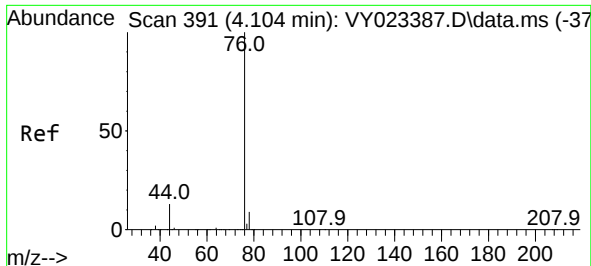
Tgt Ion:168 Resp: 523687
Ion Ratio Lower Upper
168 100
99 48.1 39.7 59.5



#16
Acetone
Concen: 15.068 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

Tgt Ion: 43 Resp: 15709
Ion Ratio Lower Upper
43 100
58 36.6 27.7 41.5

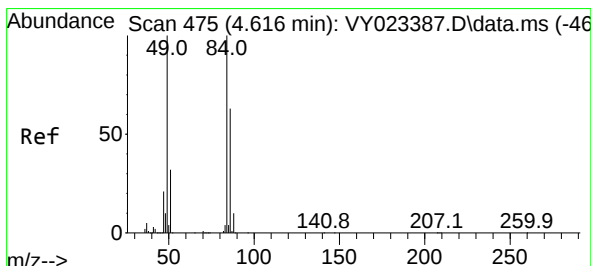
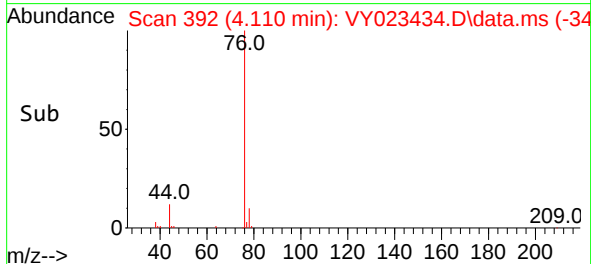
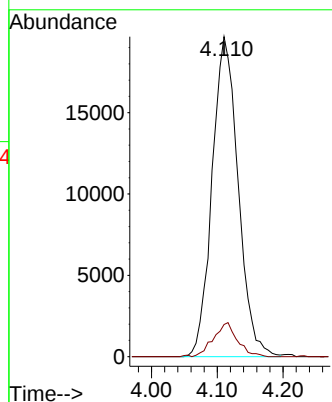
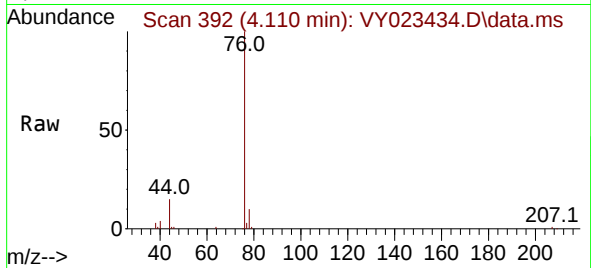




#17
Carbon Disulfide
Concen: 4.057 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

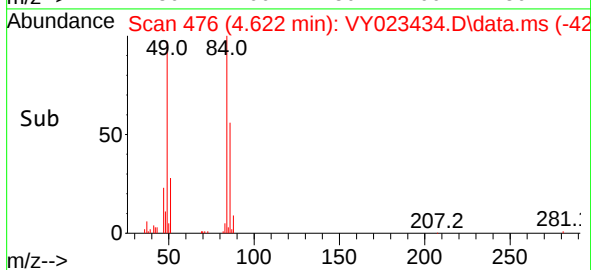
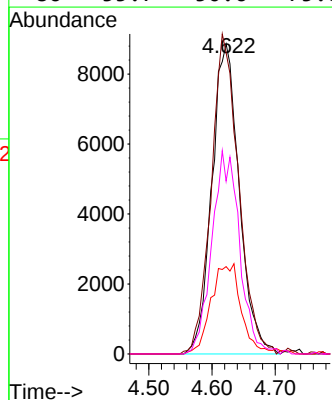
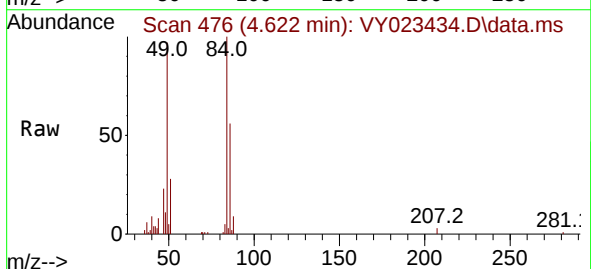
Instrument :
MSVOA_Y
ClientSampleId :
SED-01-0-2

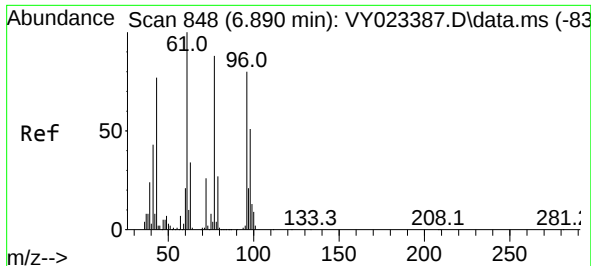
Tgt Ion: 76 Resp: 54247
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9



#20
Methylene Chloride
Concen: 4.726 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

Tgt Ion: 84 Resp: 26641
Ion Ratio Lower Upper
84 100
49 97.2 80.2 120.4
51 28.2 25.9 38.9
86 55.7 50.6 75.8





#25

2-Butanone

Concen: 3.598 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY023434.D

Acq: 10 Oct 2025 13:16

Instrument :

MSVOA_Y

ClientSampleId :

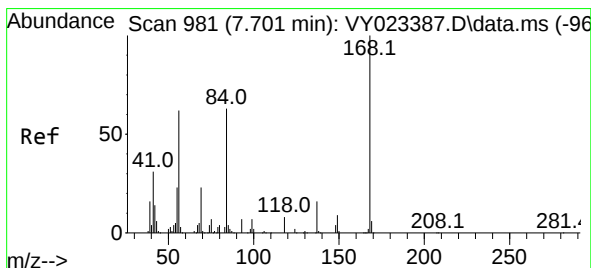
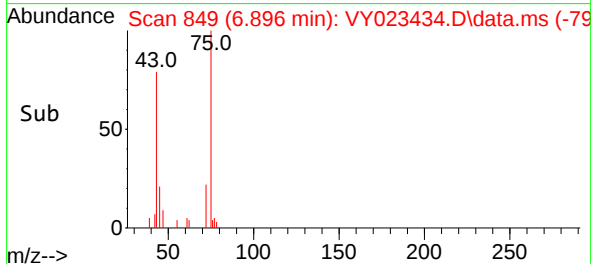
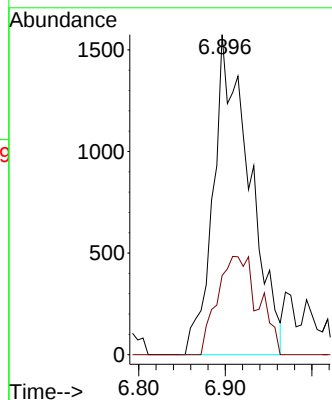
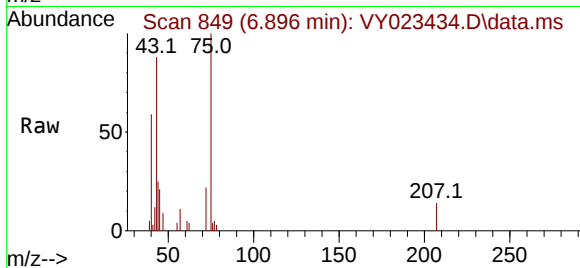
SED-01-0-2

Tgt Ion: 43 Resp: 4579

Ion Ratio Lower Upper

43 100

72 24.8 27.4 41.2#



#31

Cyclohexane

Concen: 1.284 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY023434.D

Acq: 10 Oct 2025 13:16

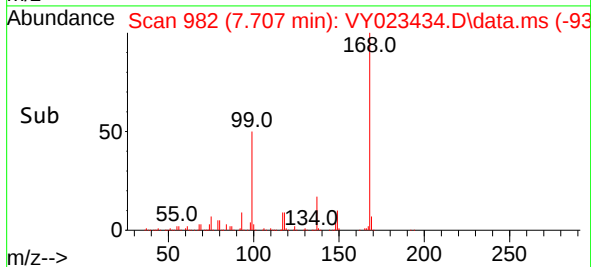
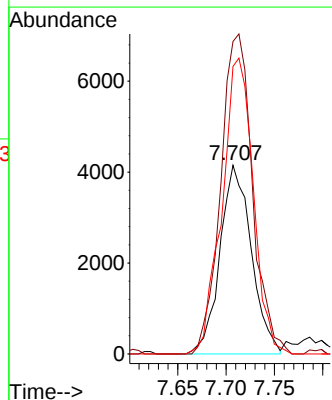
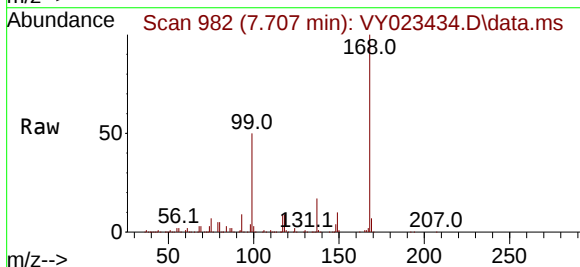
Tgt Ion: 56 Resp: 9357

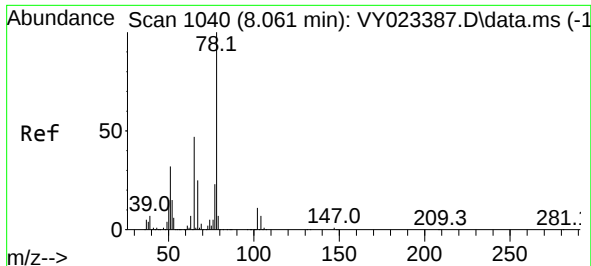
Ion Ratio Lower Upper

56 100

69 165.6 30.0 45.0#

84 152.4 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 62.766 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023434.D

Acq: 10 Oct 2025 13:16

Instrument :

MSVOA_Y

ClientSampleId :

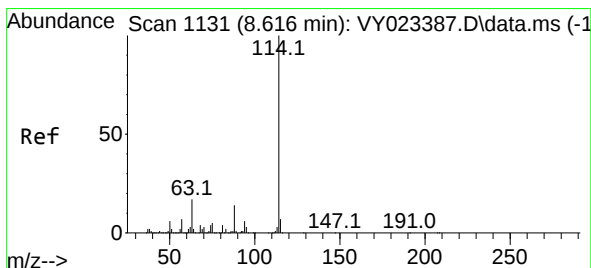
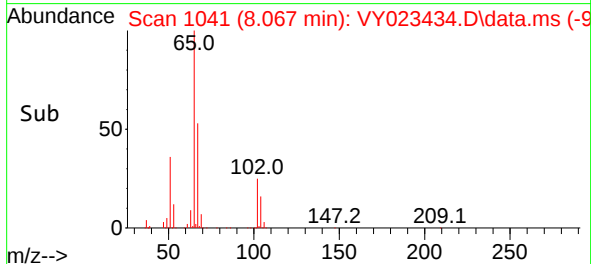
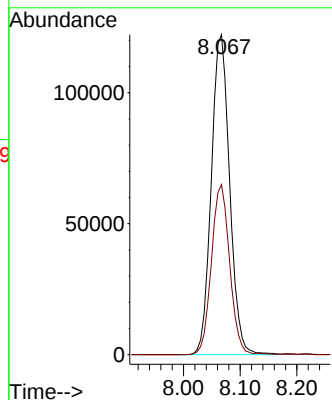
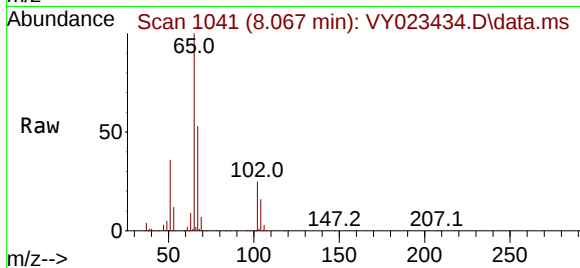
SED-01-0-2

Tgt Ion: 65 Resp: 274862

Ion Ratio Lower Upper

65 100

67 52.9 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: VY023434.D

Acq: 10 Oct 2025 13:16

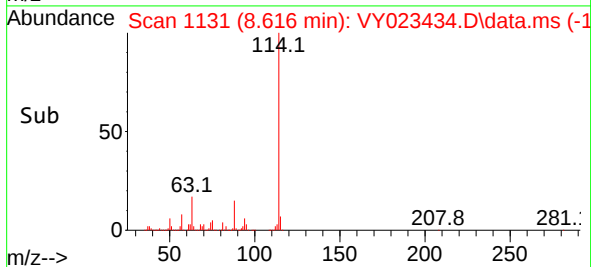
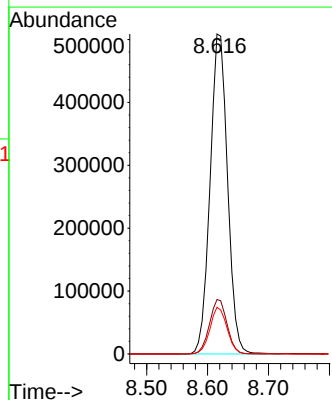
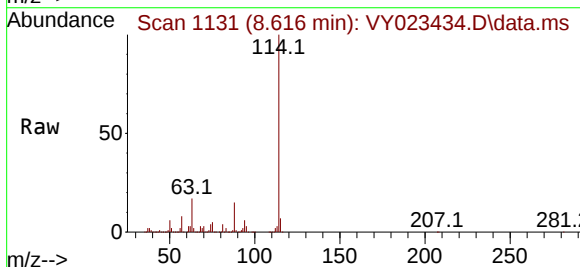
Tgt Ion:114 Resp: 1011660

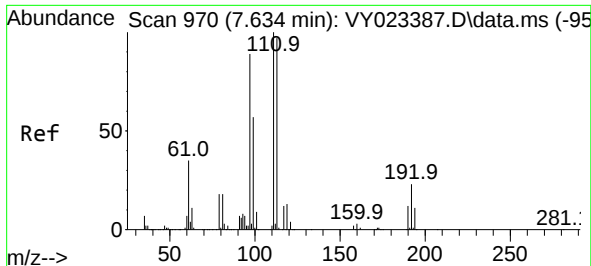
Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.2

88 14.6 0.0 28.4

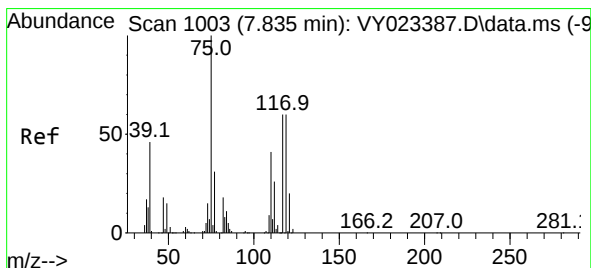
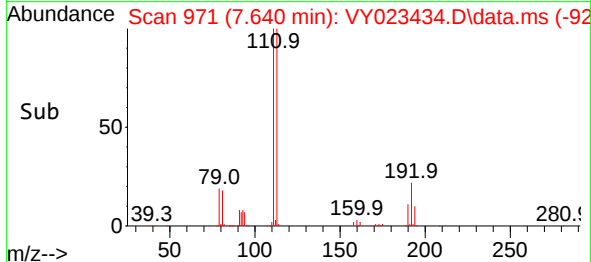
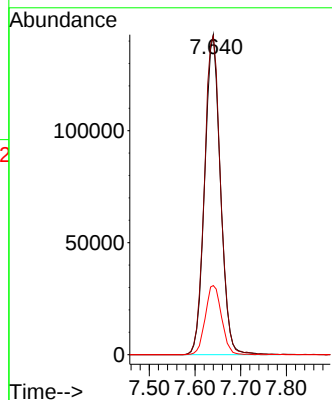
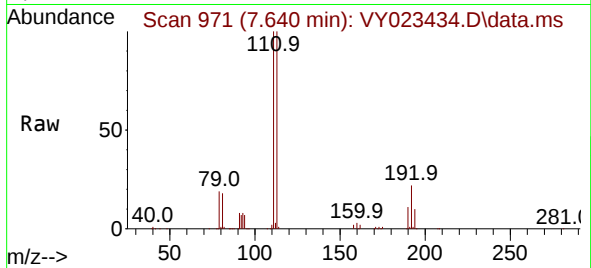




#35
Dibromofluoromethane
Concen: 54.814 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

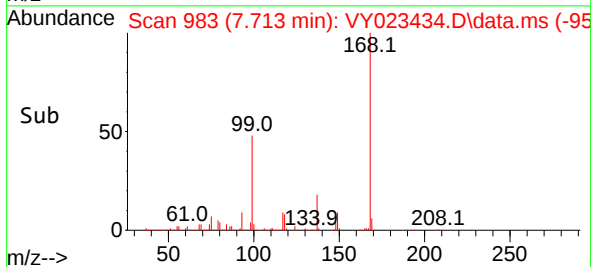
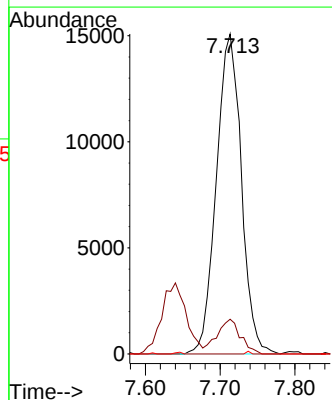
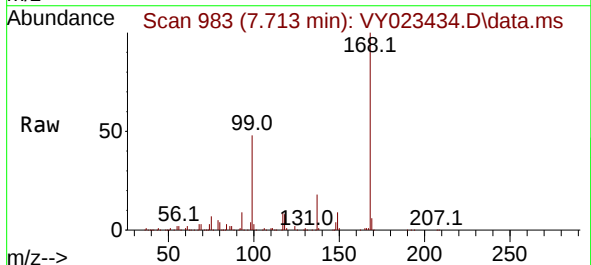
Instrument :
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SED-01-0-2

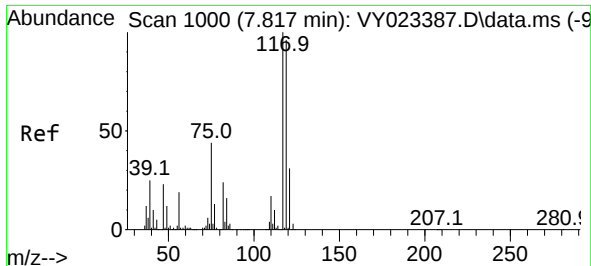
Tgt Ion:113 Resp: 340736
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 22.3 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.256 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

Tgt Ion: 75 Resp: 35024
Ion Ratio Lower Upper
75 100
110 10.2 19.9 59.7#
77 0.0 25.0 37.6#

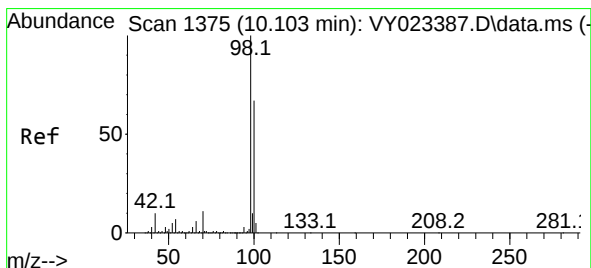
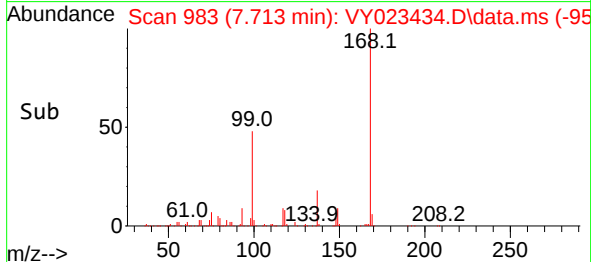
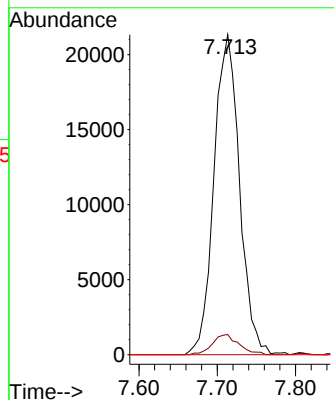
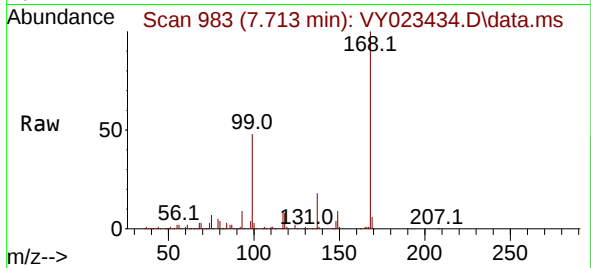




#38
Carbon Tetrachloride
Concen: 4.843 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

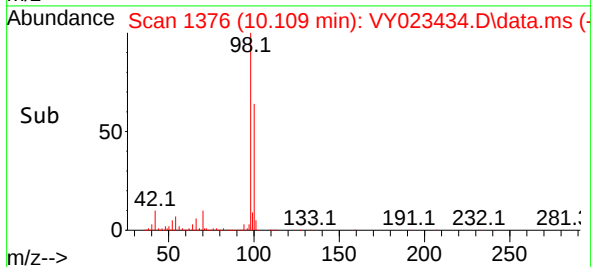
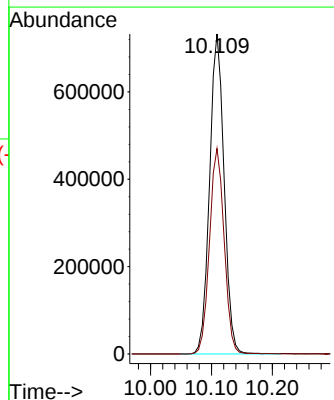
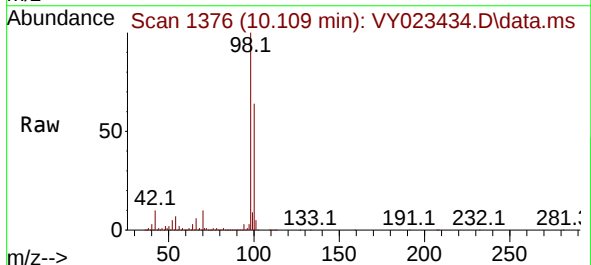
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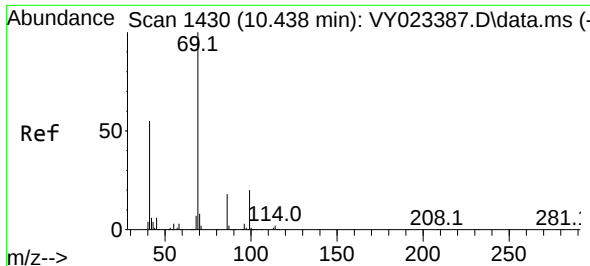
Tgt Ion:117 Resp: 48326
Ion Ratio Lower Upper
117 100
119 6.3 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.525 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

Tgt Ion: 98 Resp: 1215929
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4

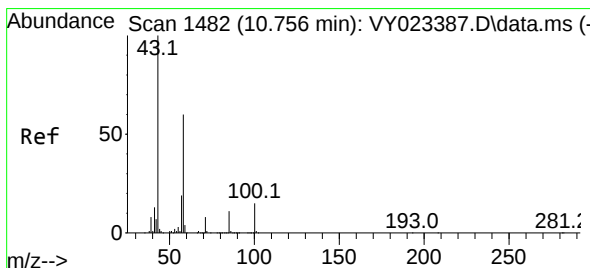
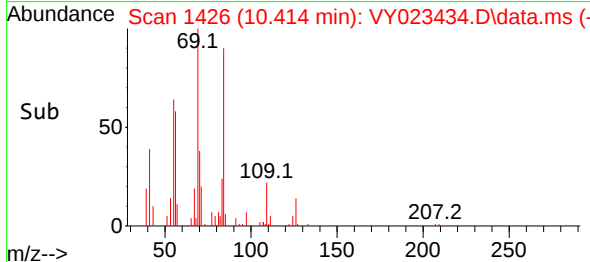
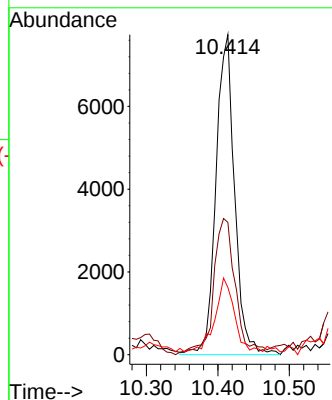
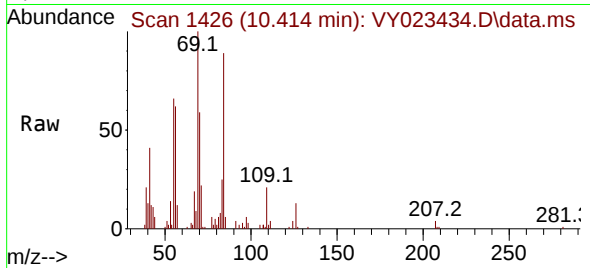




#56
Ethyl methacrylate
Concen: 2.485 ug/l
RT: 10.414 min Scan# 1426
Delta R.T. -0.025 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

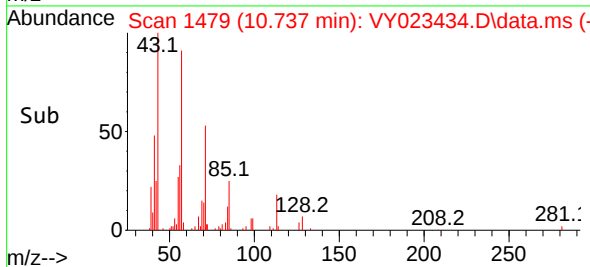
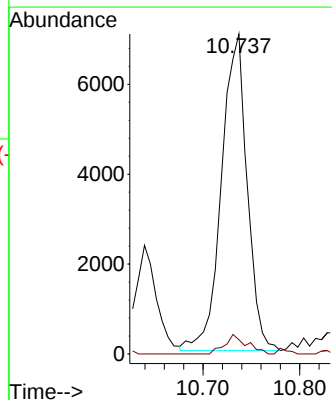
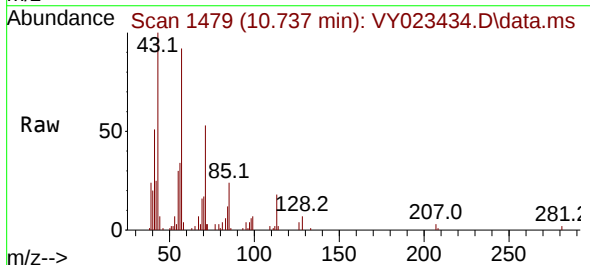
Instrument :
MSVOA_Y
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SED-01-0-2

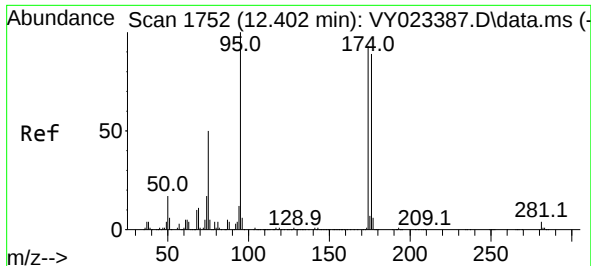
Tgt Ion: 69 Resp: 14033
Ion Ratio Lower Upper
69 100
41 49.9 44.6 67.0
39 23.3 27.0 40.4#



#59
2-Hexanone
Concen: 5.424 ug/l
RT: 10.737 min Scan# 1479
Delta R.T. -0.018 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

Tgt Ion: 43 Resp: 13020
Ion Ratio Lower Upper
43 100
58 5.2 30.5 91.5#

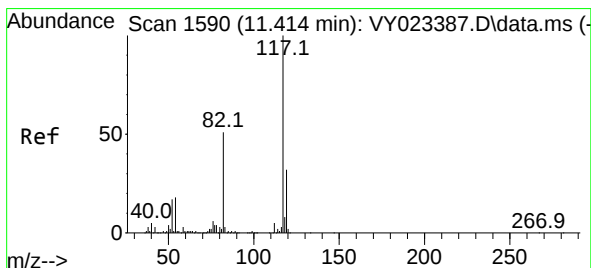
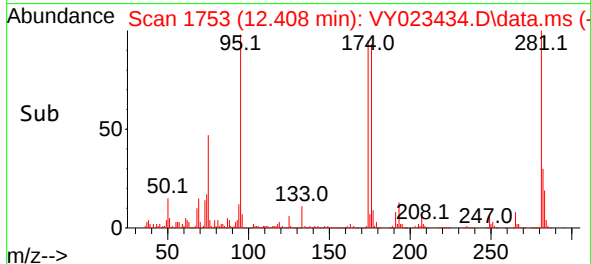
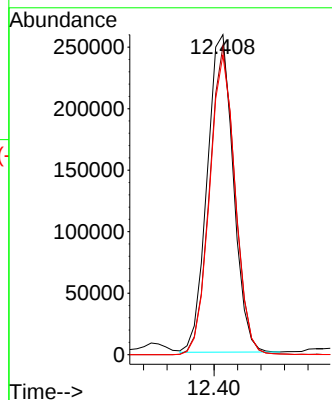
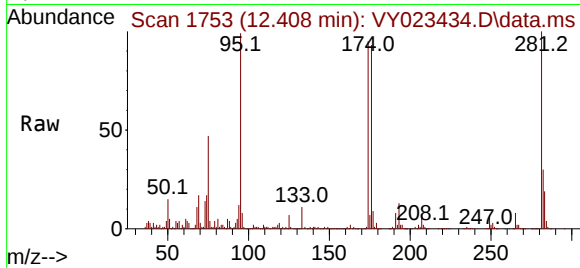




#62
4-Bromofluorobenzene
Concen: 52.174 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

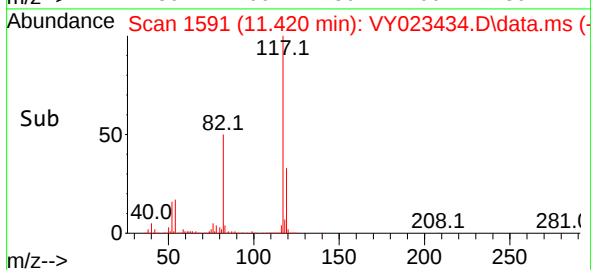
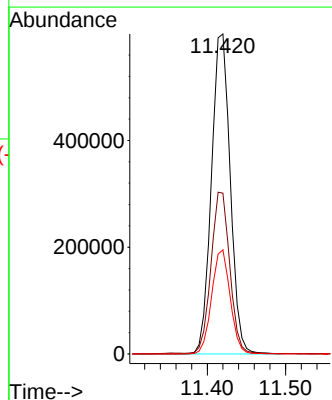
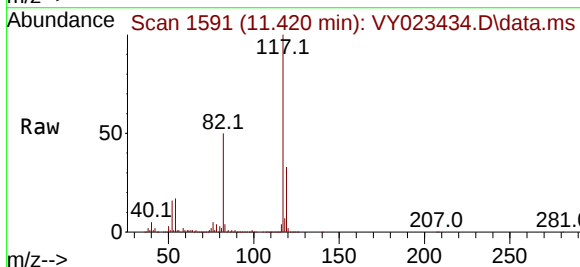
Instrument :
MSVOA_Y
ClientSampleId :
SED-01-0-2

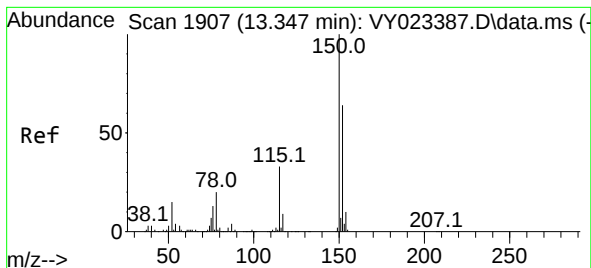
Tgt Ion: 95 Resp: 398755
Ion Ratio Lower Upper
95 100
174 94.3 0.0 192.8
176 92.6 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

Tgt Ion: 117 Resp: 1001091
Ion Ratio Lower Upper
117 100
82 50.1 41.0 61.4
119 32.6 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: VY023434.D

Acq: 10 Oct 2025 13:16

Instrument :

MSVOA_Y

ClientSampleId :

SED-01-0-2

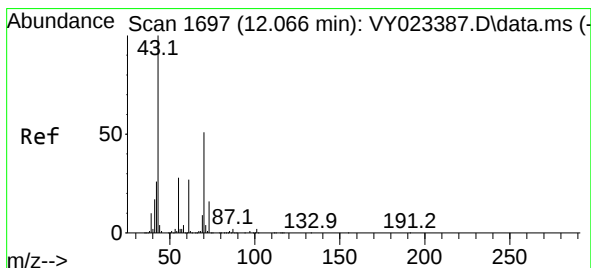
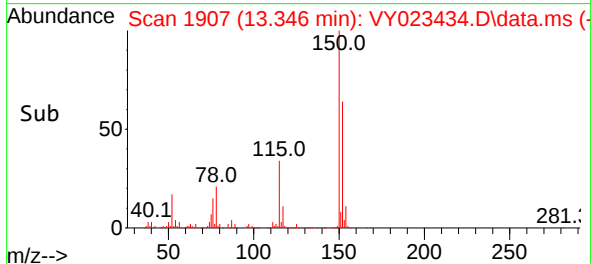
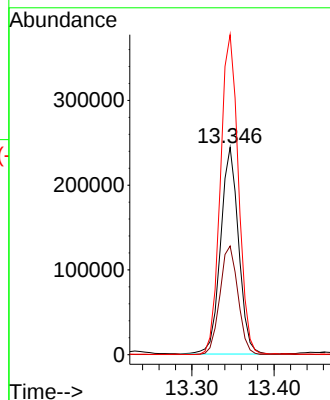
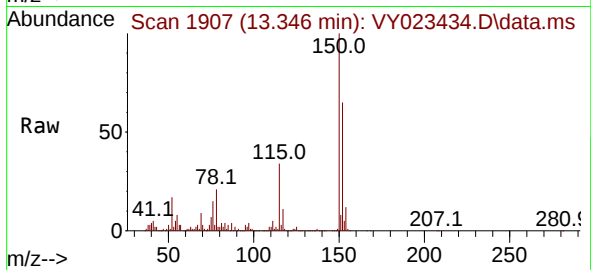
Tgt Ion:152 Resp: 371877

Ion Ratio Lower Upper

152 100

115 52.7 27.1 81.2

150 154.8 0.0 347.4



#74

N-ethyl acetate

Concen: 3.887 ug/l

RT: 12.017 min Scan# 1689

Delta R.T. -0.049 min

Lab File: VY023434.D

Acq: 10 Oct 2025 13:16

Tgt Ion: 43 Resp: 17108

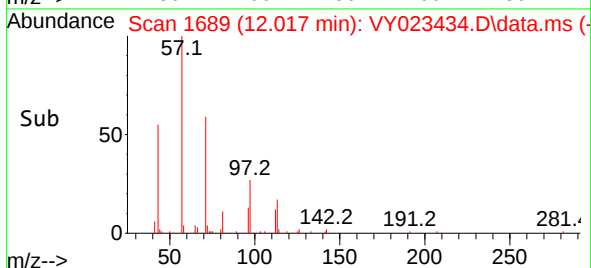
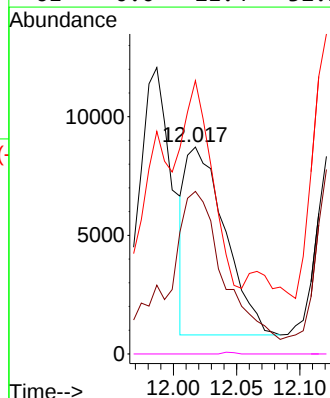
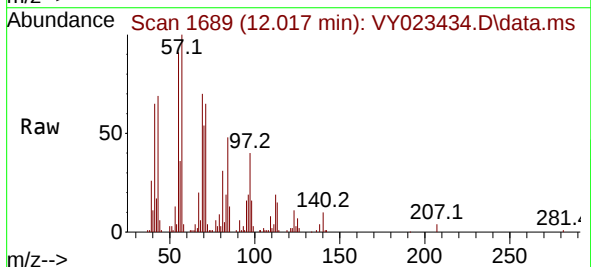
Ion Ratio Lower Upper

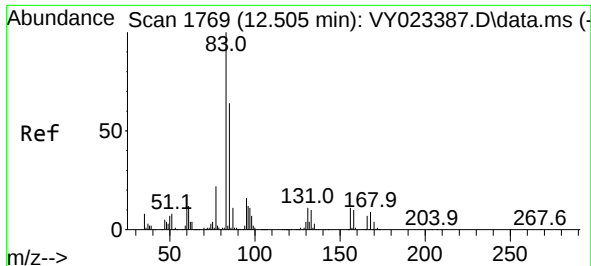
43 100

70 104.8 41.1 61.7#

55 83.8 23.0 34.6#

61 0.0 21.4 32.2#

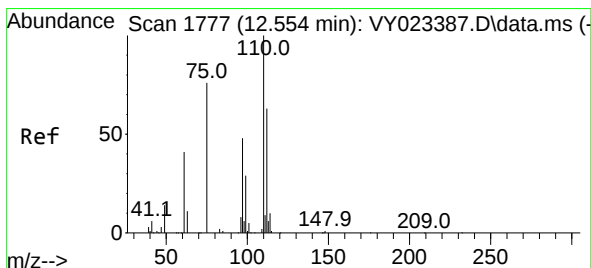
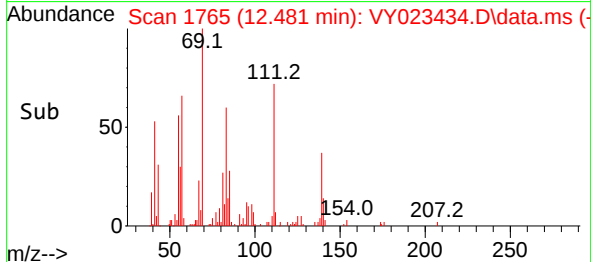
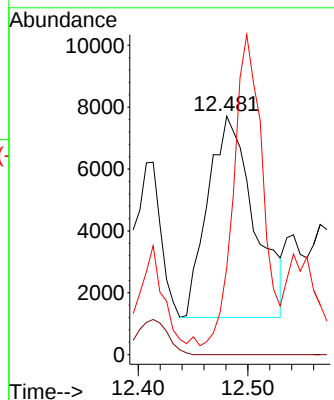
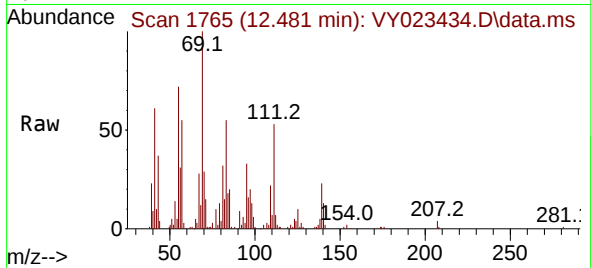




#75
1,1,2,2-Tetrachloroethane
Concen: 4.749 ug/l
RT: 12.481 min Scan# 11
Delta R.T. -0.025 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

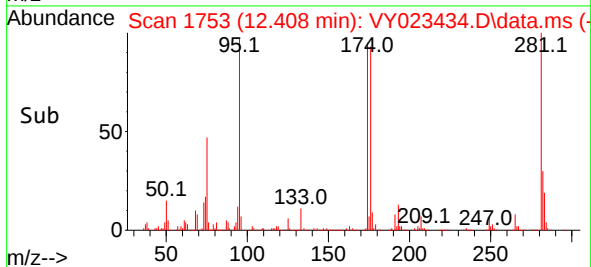
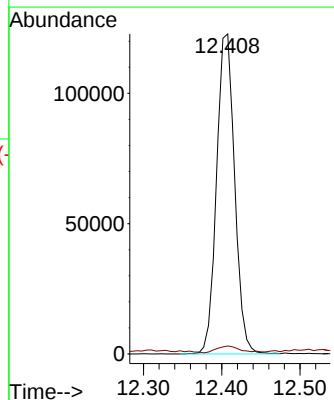
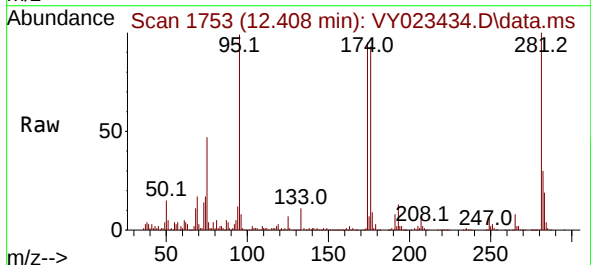
Instrument :
MSVOA_Y
ClientSampleId :
SED-01-0-2

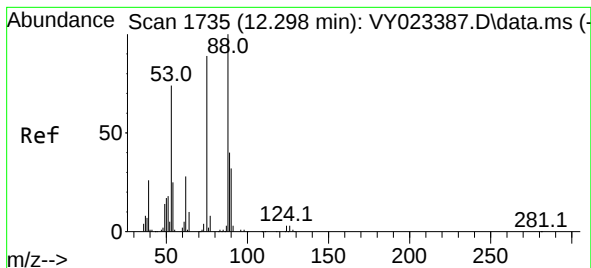
Tgt Ion: 83 Resp: 19034
Ion Ratio Lower Upper
83 100
131 0.0 5.9 17.6#
85 96.2 31.8 95.3#



#76
1,2,3-Trichloropropane
Concen: 60.212 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

Tgt Ion: 75 Resp: 197551
Ion Ratio Lower Upper
75 100
77 2.7 0.0 0.0#

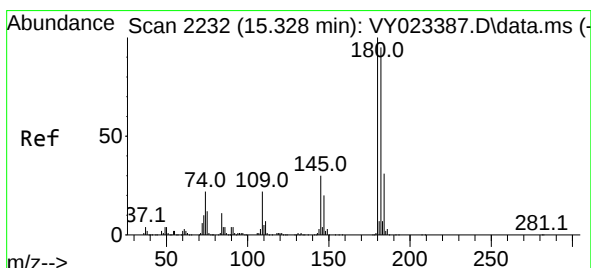
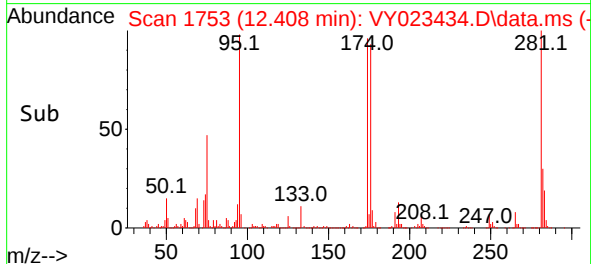
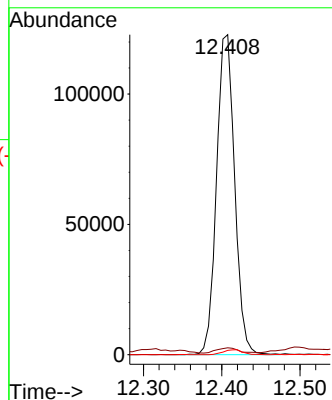
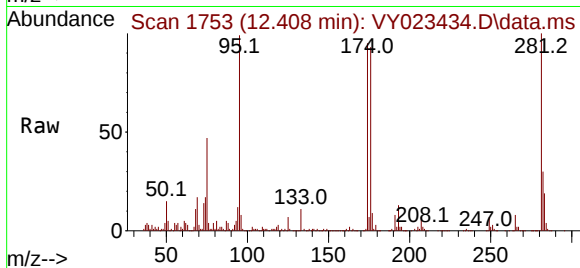




#81
trans-1,4-Dichloro-2-butene
Concen: 147.650 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

Instrument :
MSVOA_Y
ClientSampleId :
SED-01-0-2

Tgt Ion: 75 Resp: 197551
Ion Ratio Lower Upper
75 100
53 1.9 68.6 102.8#
89 1.7 39.0 58.4#



#96
1,2,3-Trichlorobenzene
Concen: 2.316 ug/l
RT: 15.291 min Scan# 2226
Delta R.T. -0.037 min
Lab File: VY023434.D
Acq: 10 Oct 2025 13:16

Tgt Ion:180 Resp: 13909
Ion Ratio Lower Upper
180 100
182 27.0 47.9 143.8#
145 28.4 15.3 45.9

