

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023978.D
 Acq On : 15 Dec 2025 15:55
 Operator : SY/MD
 Sample : Q3873-03
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: Dec 16 02:17:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

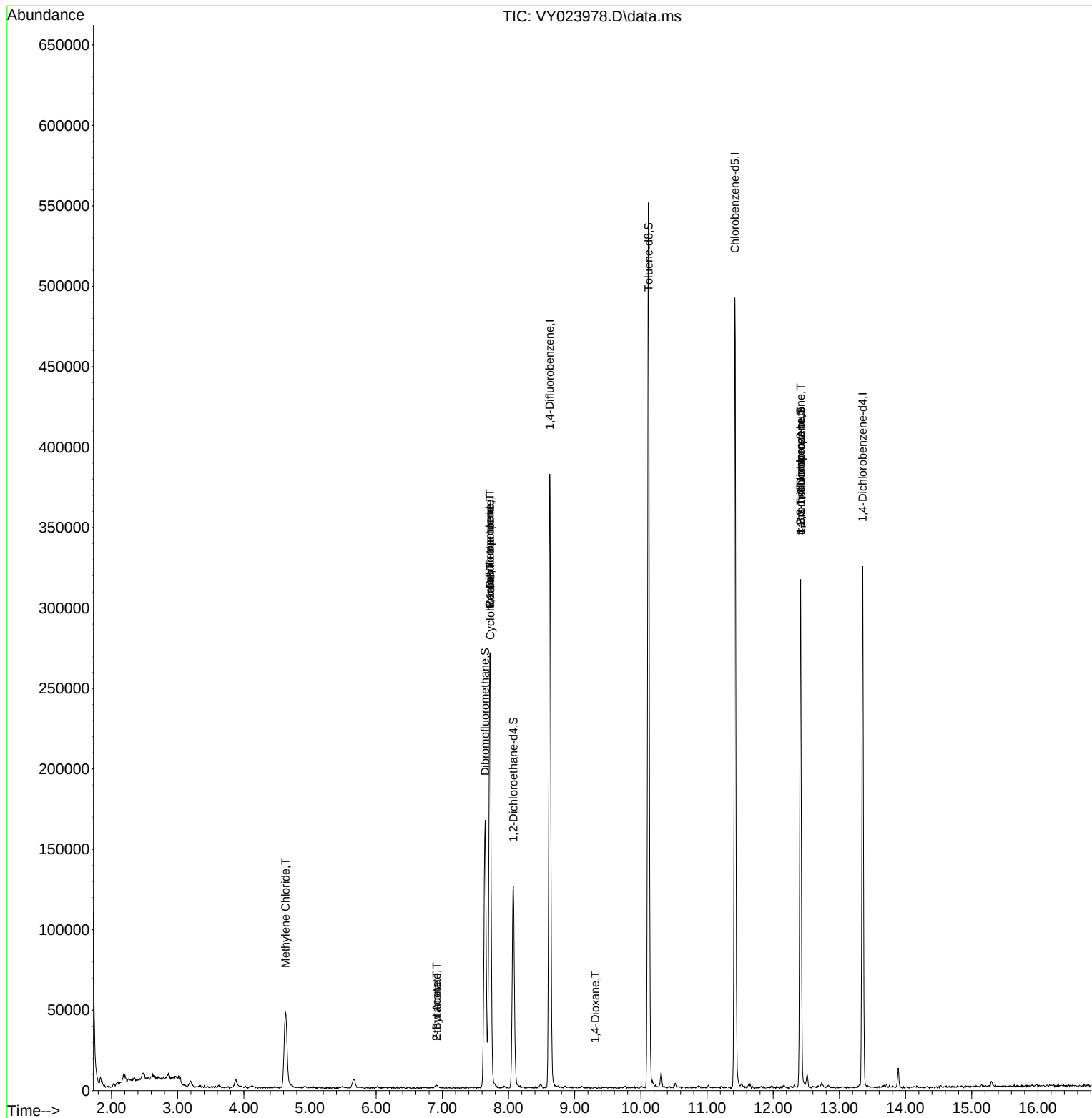
Internal Standards						
1) Pentafluorobenzene	7.720	168	227774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	351128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	279931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	90573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	104152	51.718	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.440%	
35) Dibromofluoromethane	7.646	113	118077	51.444	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.880%	
50) Toluene-d8	10.115	98	379595	44.420	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.840%	
62) 4-Bromofluorobenzene	12.414	95	93805	32.870	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.740%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.019	142	143	Below Cal	#	64
16) Acetone	3.879	43	7990	Below Cal		99
20) Methylene Chloride	4.629	84	38649	16.313	ug/l	97
25) 2-Butanone	6.915	43	2170	3.487	ug/l #	68
31) Cyclohexane	7.726	56	4466	1.293	ug/l #	44
36) 1,1-Dichloropropene	7.720	75	15068	4.822	ug/l #	49
37) Ethyl Acetate	6.915	43	2170	1.705	ug/l #	67
38) Carbon Tetrachloride	7.720	117	20818	5.496	ug/l #	16
49) 1,4-Dioxane	9.311	88	18	1.277	ug/l #	26
76) 1,2,3-Trichloropropane	12.414	75	46699	60.953	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	46699	138.743	ug/l #	12

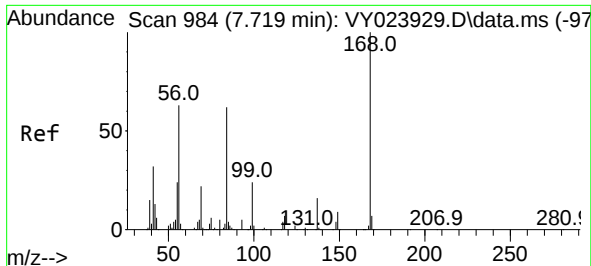
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 11 03:57:51 2025
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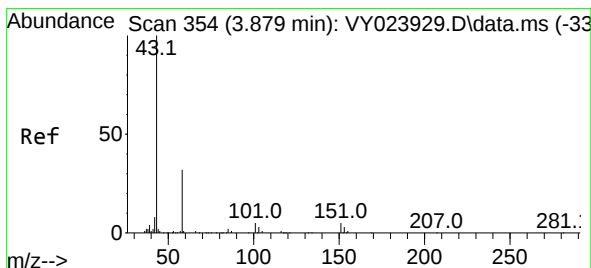
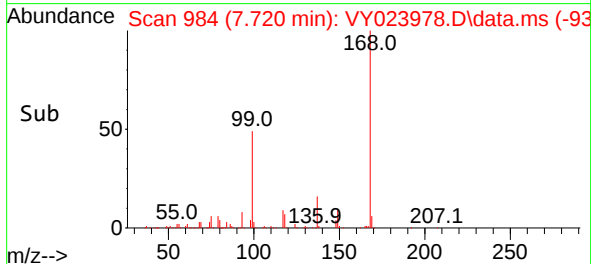
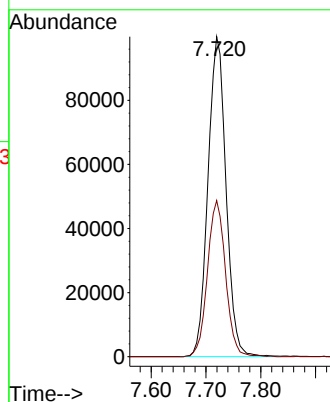
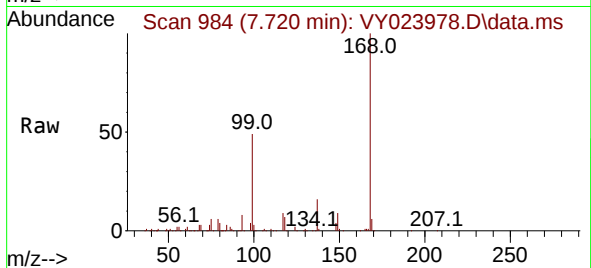




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

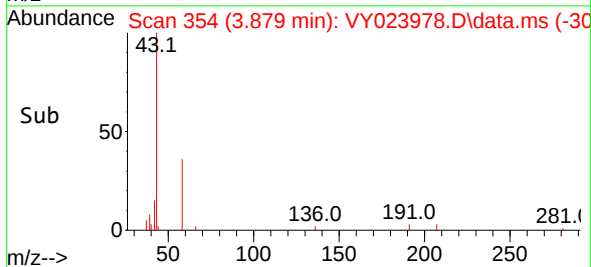
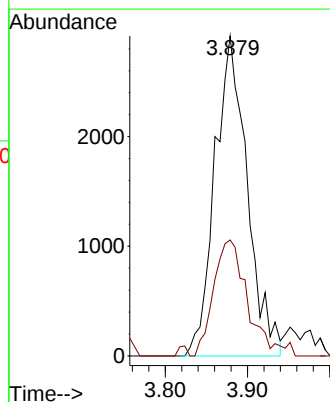
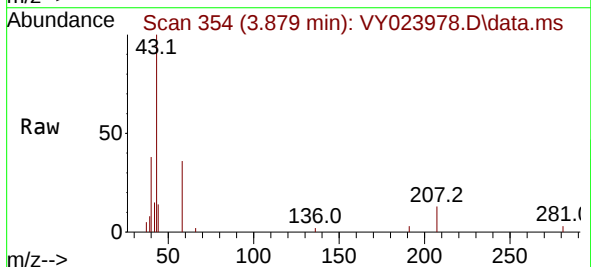
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

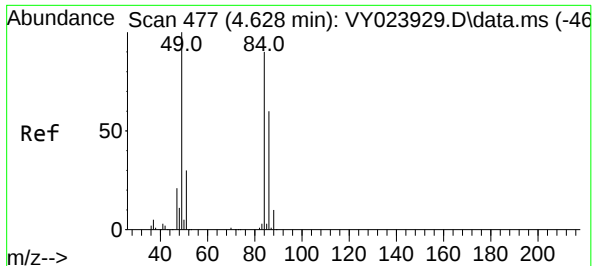
Tgt Ion:168 Resp: 227774
Ion Ratio Lower Upper
168 100
99 48.8 38.9 58.3



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

Tgt Ion: 43 Resp: 7990
Ion Ratio Lower Upper
43 100
58 33.4 26.4 39.6

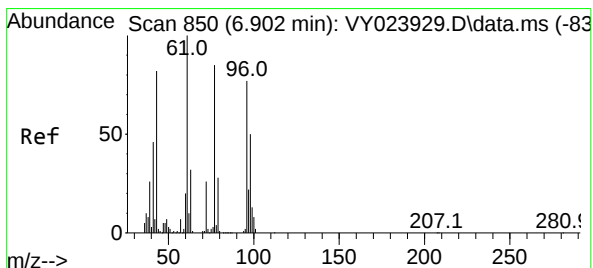
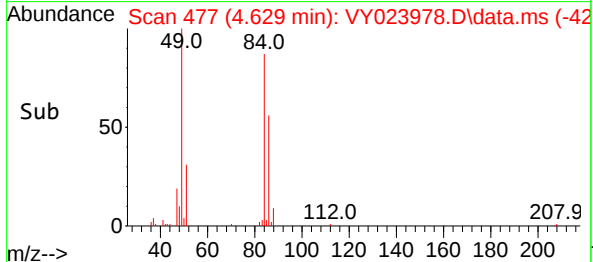
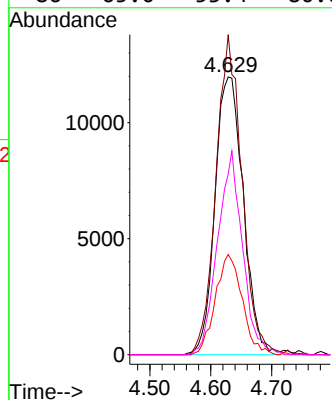
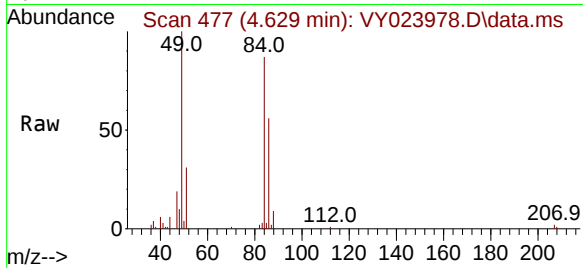




#20
Methylene Chloride
Concen: 16.313 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

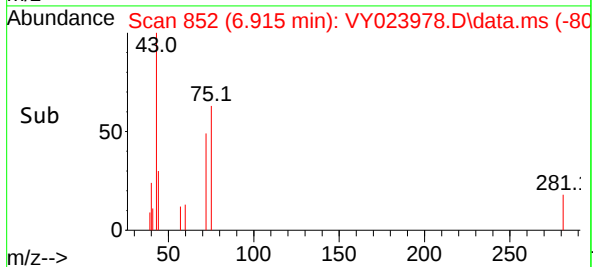
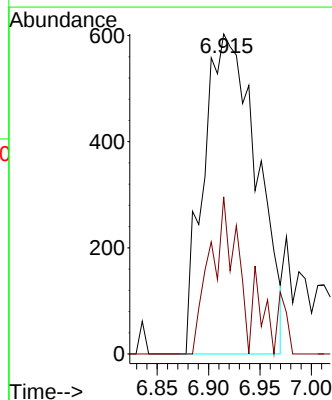
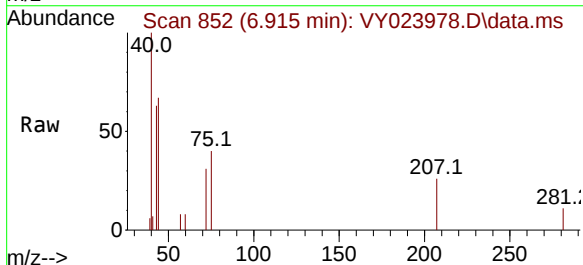
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

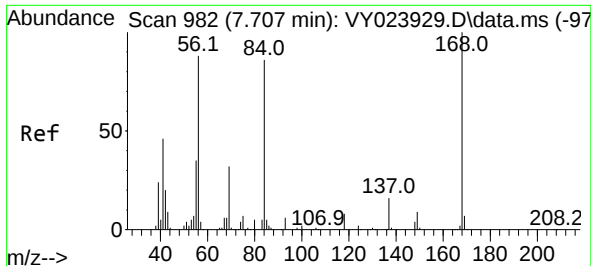
Tgt Ion:	84	Resp:	38649
Ion	Ratio	Lower	Upper
84	100		
49	115.2	89.1	133.7
51	36.1	26.6	39.8
86	65.0	53.4	80.0



#25
2-Butanone
Concen: 3.487 ug/l
RT: 6.915 min Scan# 852
Delta R.T. 0.012 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

Tgt Ion:	43	Resp:	2170
Ion	Ratio	Lower	Upper
43	100		
72	49.1	25.0	37.6#

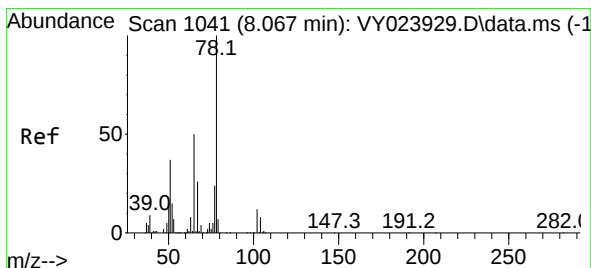
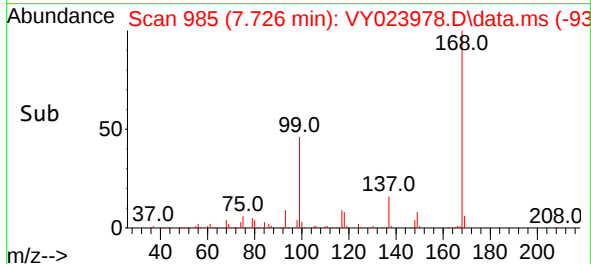
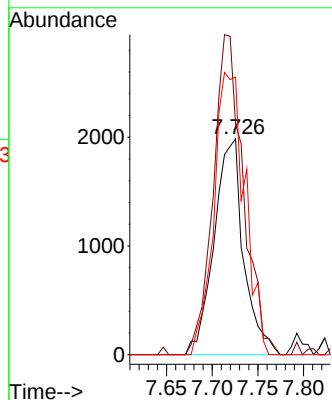
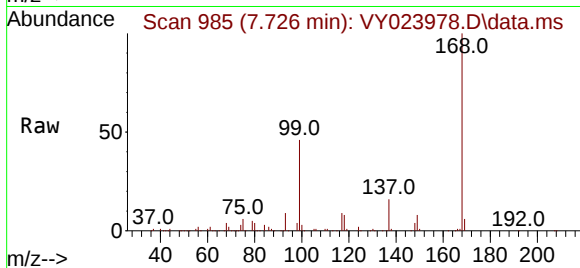




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.726 min Scan# 985
Delta R.T. 0.018 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

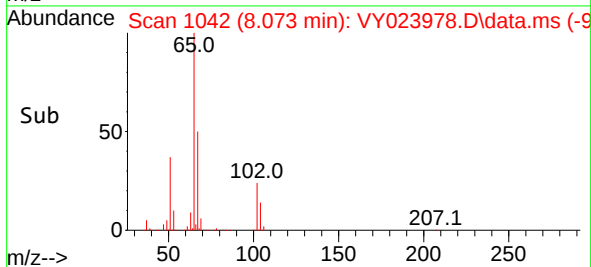
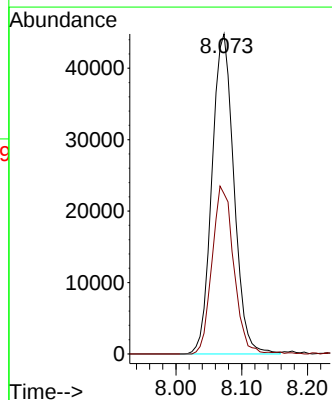
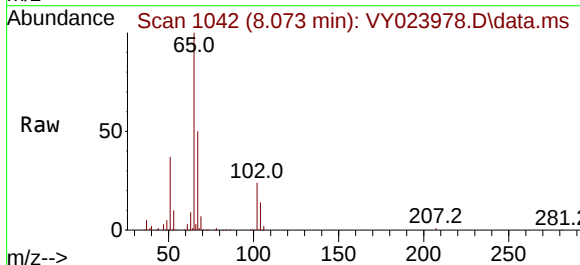
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

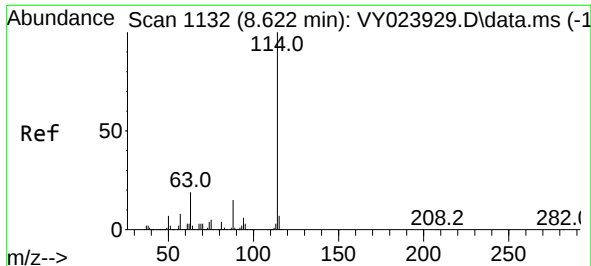
Tgt Ion: 56 Resp: 4466
Ion Ratio Lower Upper
56 100
69 106.9 29.1 43.7#
84 128.6 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 51.718 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

Tgt Ion: 65 Resp: 104152
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.2

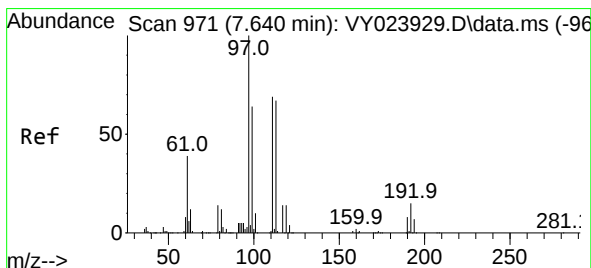
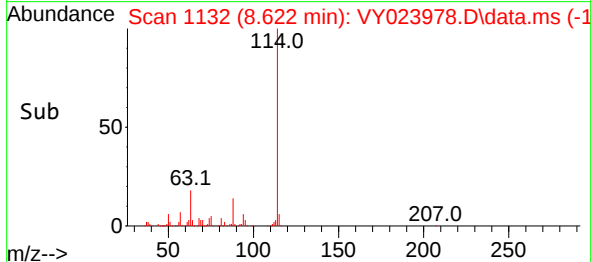
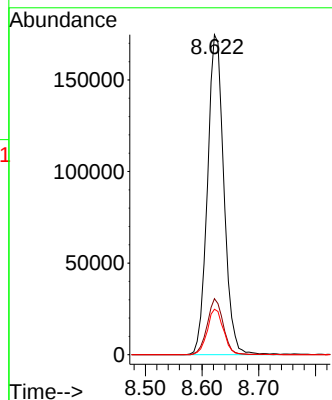
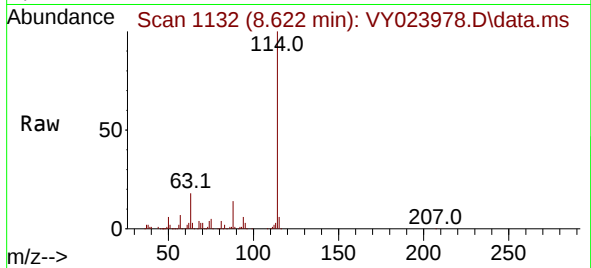




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

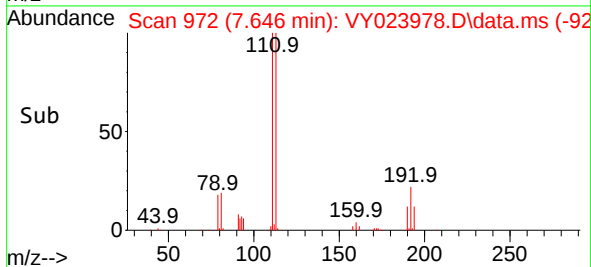
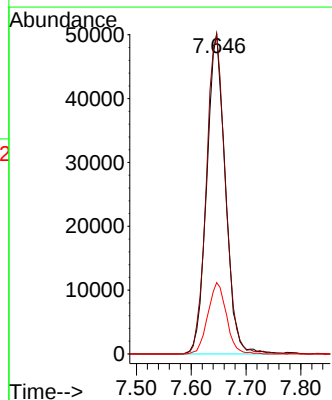
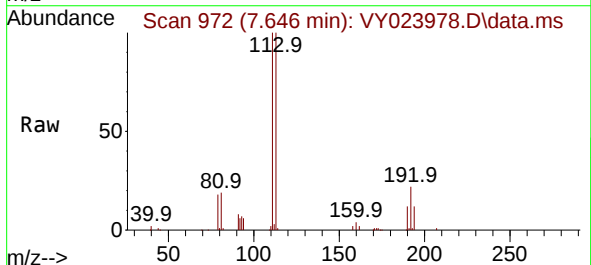
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

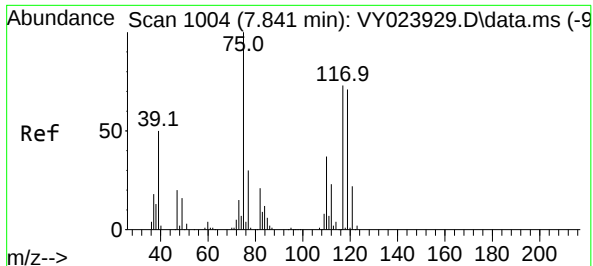
Tgt Ion:114 Resp: 351128
Ion Ratio Lower Upper
114 100
63 17.5 0.0 37.2
88 14.2 0.0 29.4



#35
Dibromofluoromethane
Concen: 51.444 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

Tgt Ion:113 Resp: 118077
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 22.3 17.9 26.9





#36

1,1-Dichloropropene

Concen: 4.822 ug/l

RT: 7.720 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023978.D

Acq: 15 Dec 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

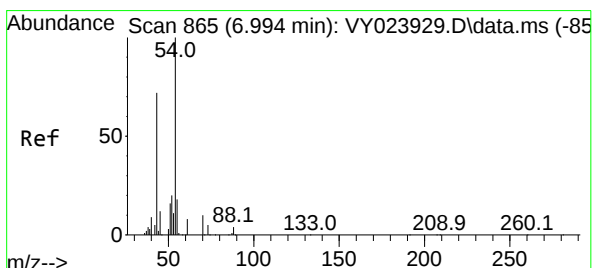
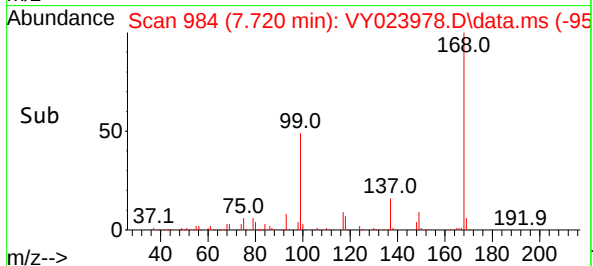
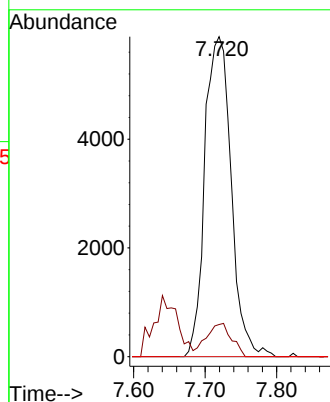
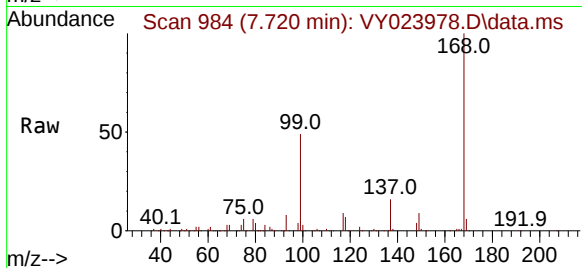
Tgt Ion: 75 Resp: 15068

Ion Ratio Lower Upper

75 100

110 10.0 19.2 57.6#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.705 ug/l

RT: 6.915 min Scan# 852

Delta R.T. -0.079 min

Lab File: VY023978.D

Acq: 15 Dec 2025 15:55

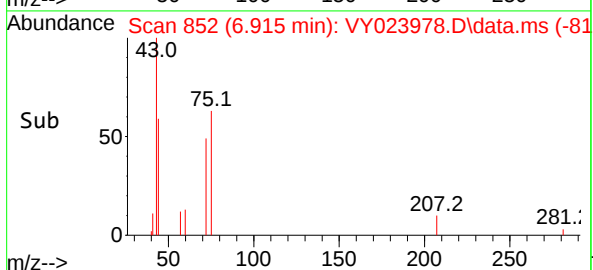
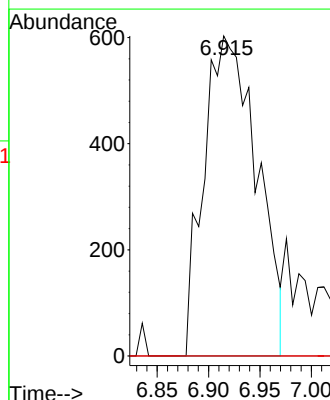
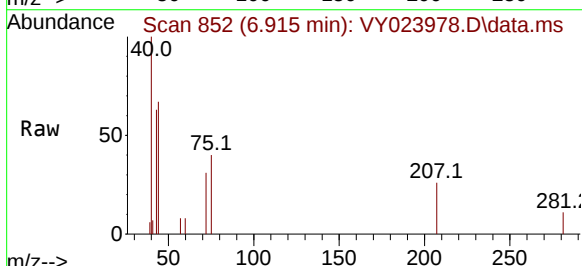
Tgt Ion: 43 Resp: 2170

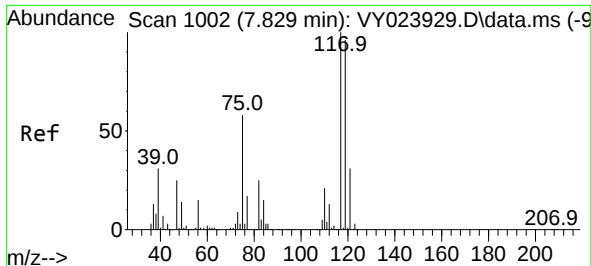
Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

70 0.0 9.2 13.8#

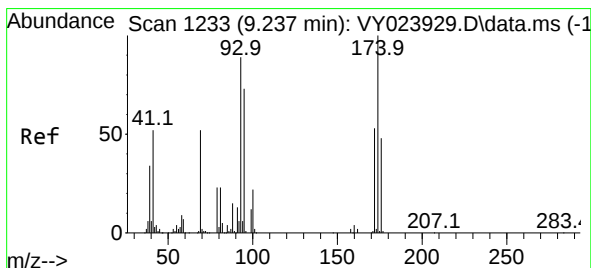
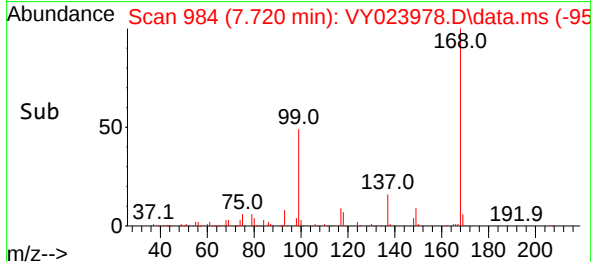
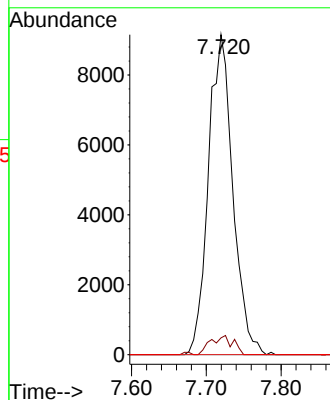
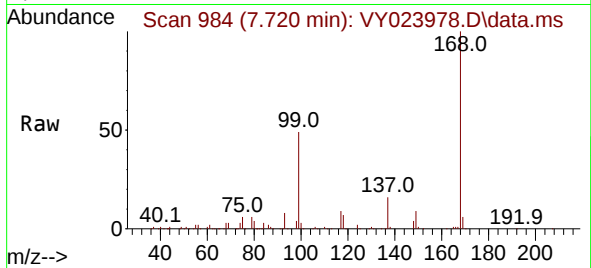




#38
Carbon Tetrachloride
Concen: 5.496 ug/l
RT: 7.720 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

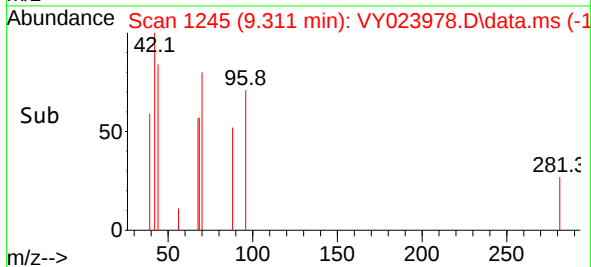
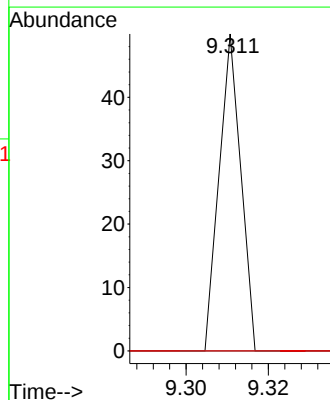
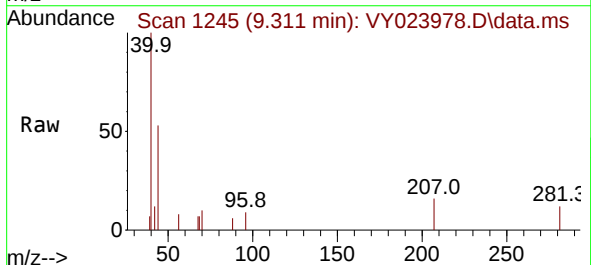
Instrument :
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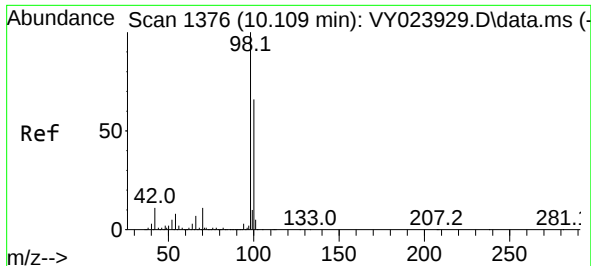
Tgt Ion:117 Resp: 20818
Ion Ratio Lower Upper
117 100
119 5.2 76.6 114.8#
121 0.0 24.8 37.2#



#49
1,4-Dioxane
Concen: 1.277 ug/l
RT: 9.311 min Scan# 1245
Delta R.T. 0.073 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 0.0 22.3 33.5#
58 0.0 52.3 78.5#

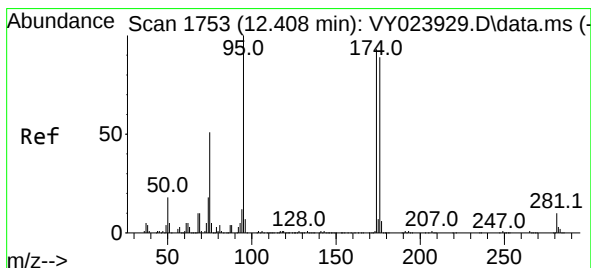
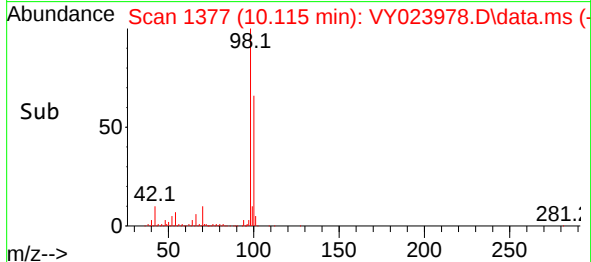
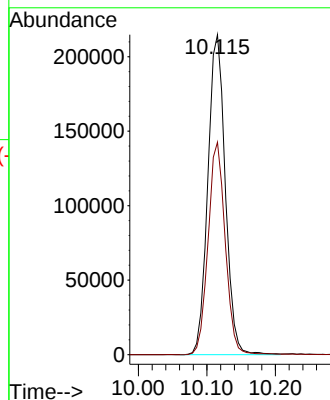
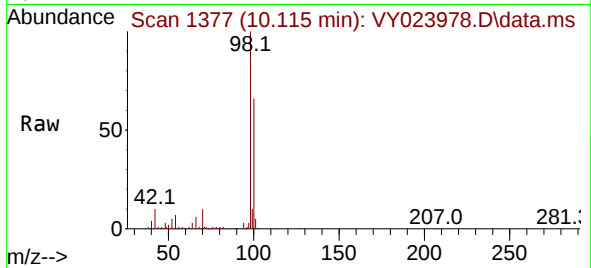




#50
Toluene-d8
Concen: 44.420 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

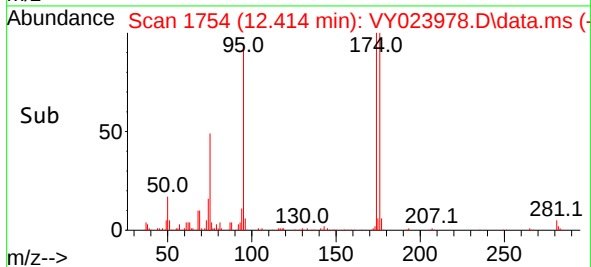
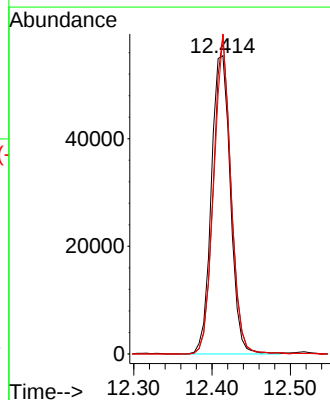
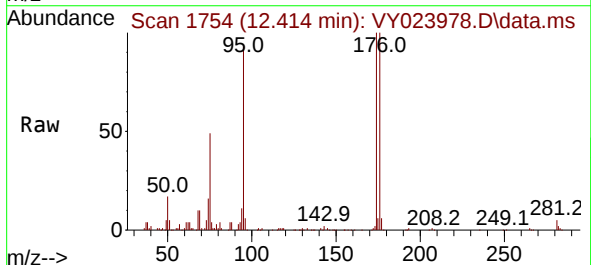
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

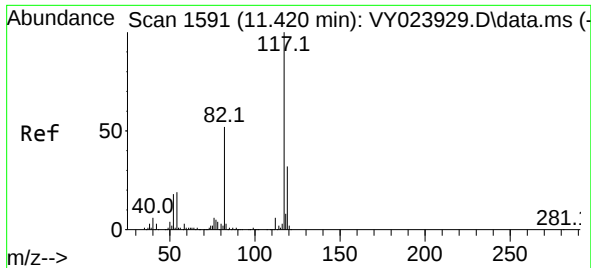
Tgt Ion: 98 Resp: 379595
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 32.870 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

Tgt Ion: 95 Resp: 93805
Ion Ratio Lower Upper
95 100
174 97.8 0.0 187.4
176 95.8 0.0 179.6

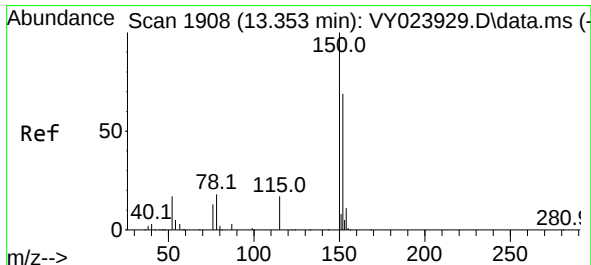
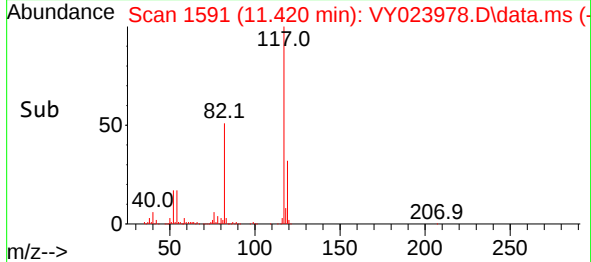
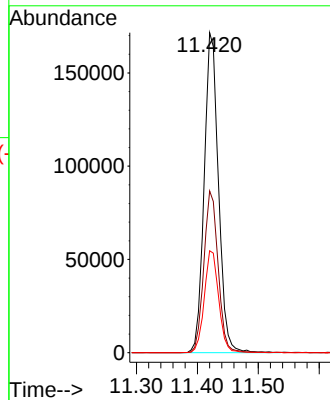
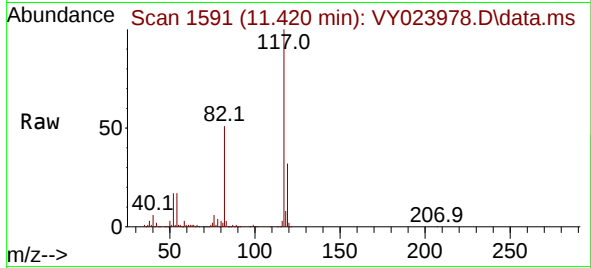




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

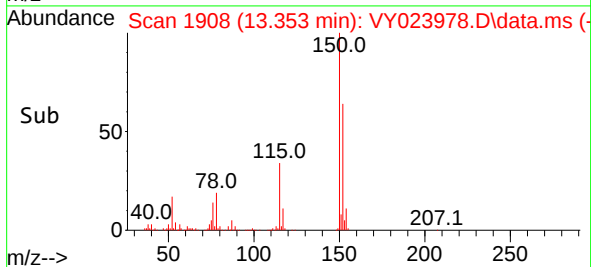
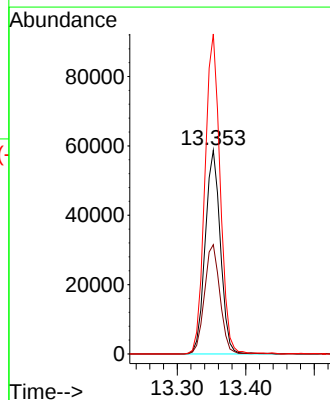
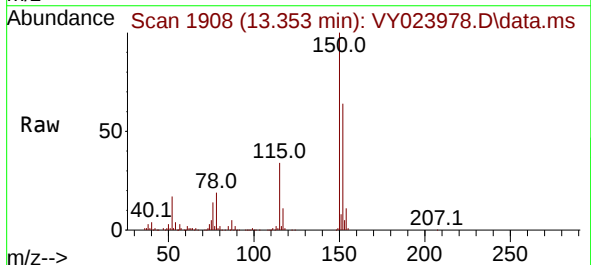
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

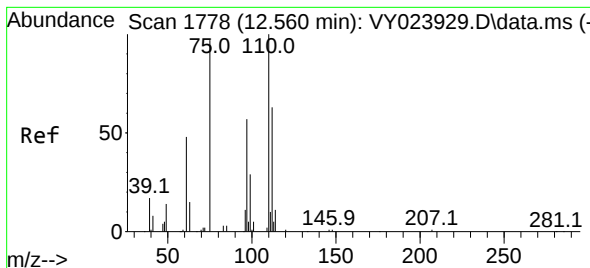
Tgt Ion:117 Resp: 279931
Ion Ratio Lower Upper
117 100
82 50.6 41.4 62.2
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

Tgt Ion:152 Resp: 90573
Ion Ratio Lower Upper
152 100
115 54.7 27.3 81.9
150 157.6 0.0 347.6

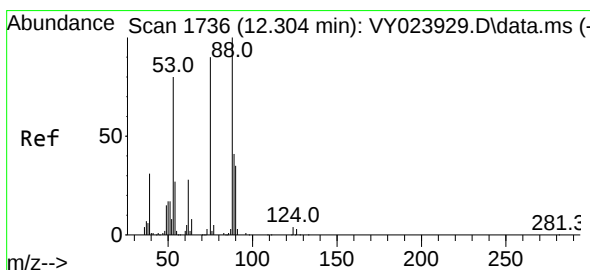
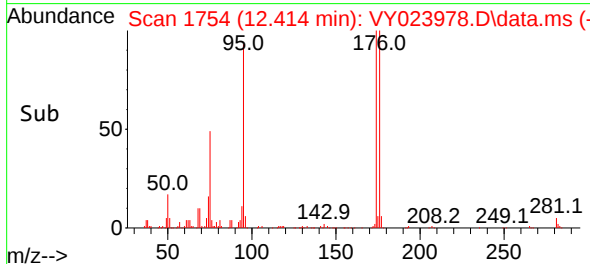
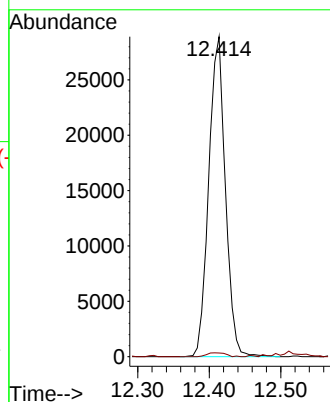
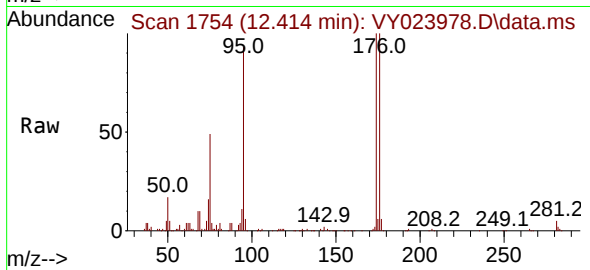




#76
1,2,3-Trichloropropane
Concen: 60.953 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion: 75 Resp: 46699
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.743 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.110 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

Tgt Ion: 75 Resp: 46699
Ion Ratio Lower Upper
75 100
53 0.2 73.4 110.0#
89 0.0 38.9 58.3#

