

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021269.D
 Acq On : 20 Feb 2025 22:57
 Operator : SY/MD
 Sample : Q1393-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 02:48:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

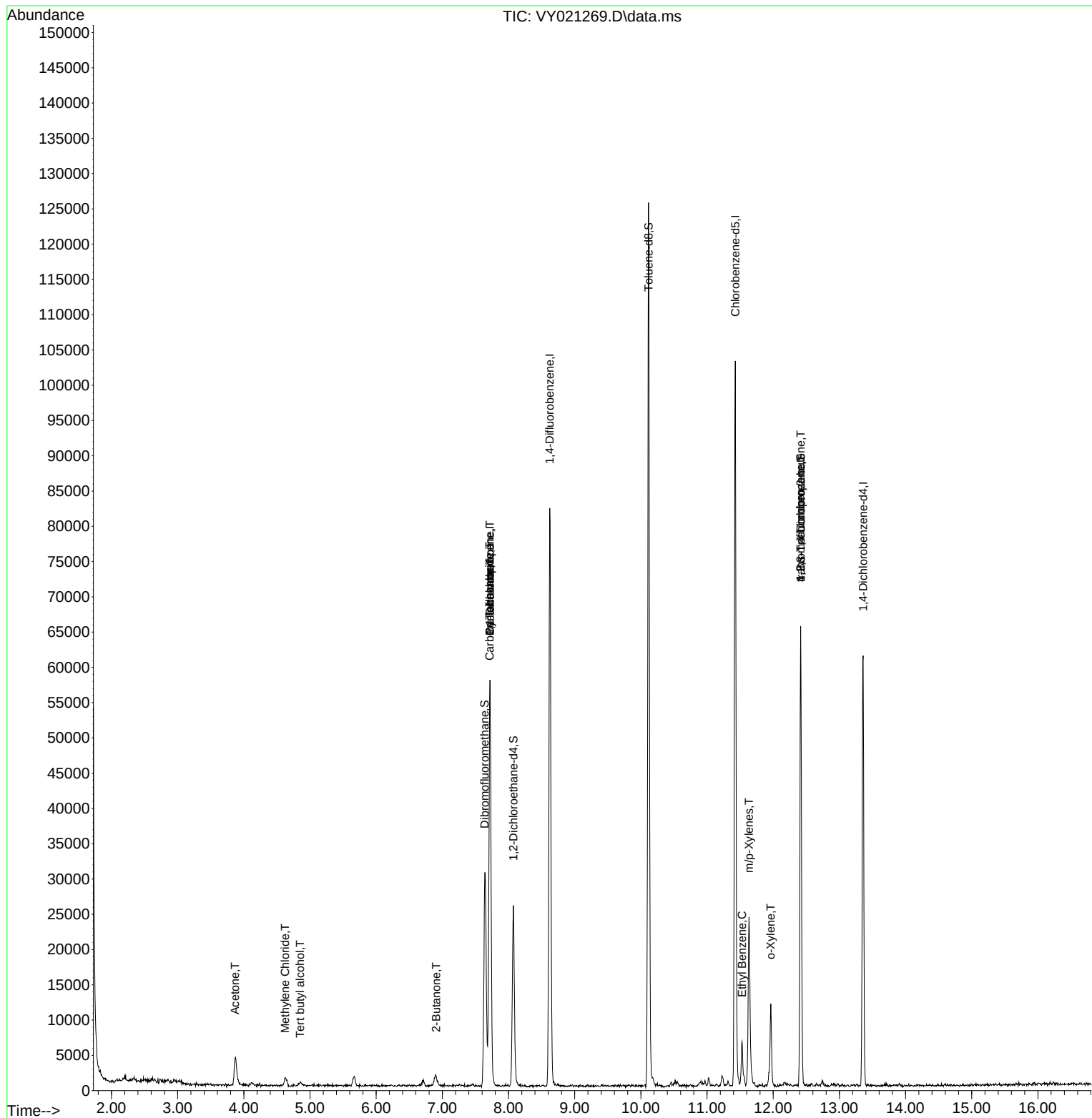
Internal Standards						
1) Pentafluorobenzene	7.720	168	43100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	68423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	53914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	15735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	20110	45.540	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.080%
35) Dibromofluoromethane	7.640	113	22578	51.489	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.980%
50) Toluene-d8	10.115	98	79410	47.568	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.140%
62) 4-Bromofluorobenzene	12.414	95	19701	36.123	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.240%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	1008	33.684	ug/l #	75
16) Acetone	3.867	43	7584	110.128	ug/l #	84
20) Methylene Chloride	4.622	84	798	1.864	ug/l #	95
25) 2-Butanone	6.909	43	249	2.200	ug/l #	48
31) Cyclohexane	7.720	56	936	1.243	ug/l #	21
36) 1,1-Dichloropropene	7.720	75	3558	5.478	ug/l #	51
38) Carbon Tetrachloride	7.713	117	4627	6.097	ug/l #	17
67) Ethyl Benzene	11.530	91	4313	2.031	ug/l	99
68) m/p-Xylenes	11.633	106	6866	8.644	ug/l	98
69) o-Xylene	11.963	106	2606	3.519	ug/l	95
76) 1,2,3-Trichloropropane	12.414	75	10687	74.873	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	10687	152.776	ug/l #	12

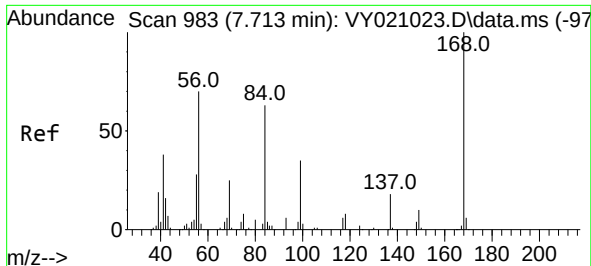
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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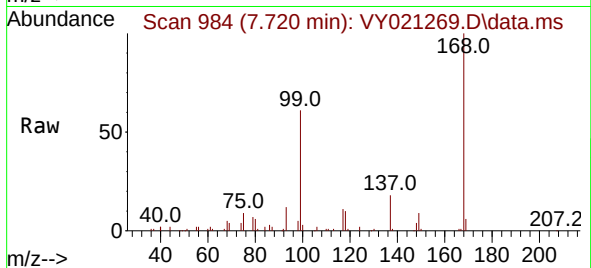
Quant Time: Feb 21 02:48:45 2025
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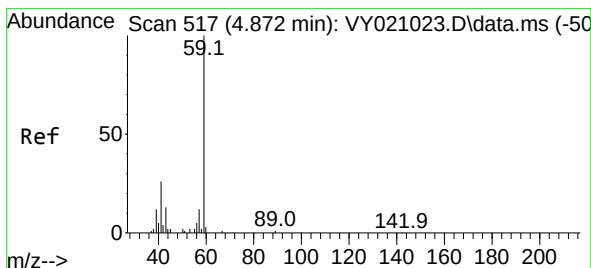
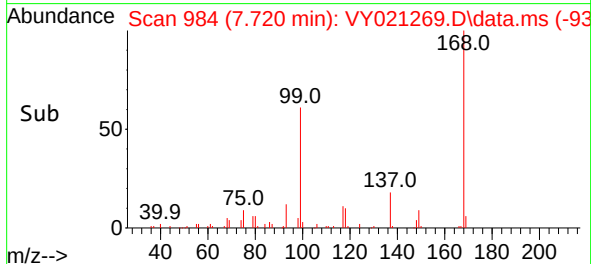
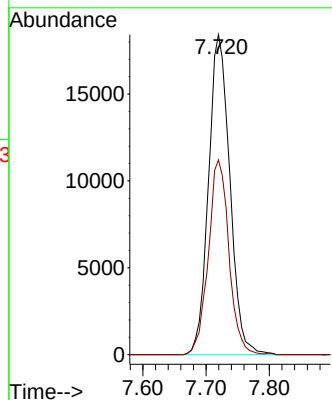


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

Instrument :
MSVOA_Y
ClientSampleId :

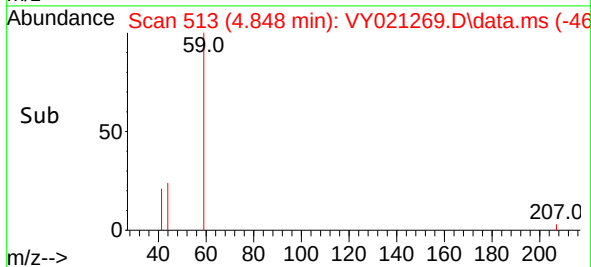
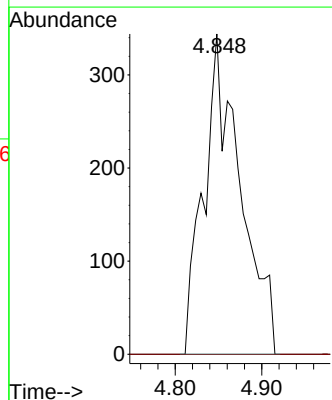
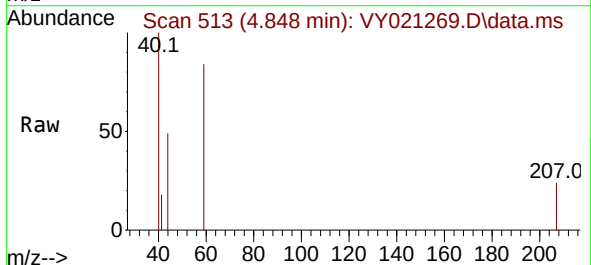


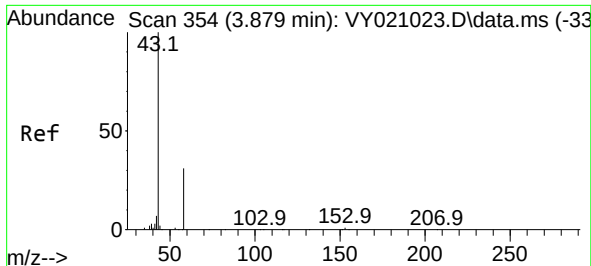
Tgt Ion:168 Resp: 43100
Ion Ratio Lower Upper
168 100
99 60.9 44.2 66.4



#11
Tert butyl alcohol
Concen: 33.684 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

Tgt Ion: 59 Resp: 1008
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

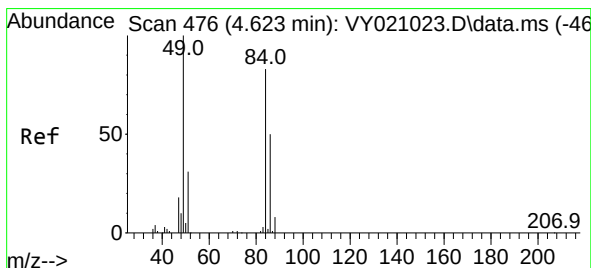
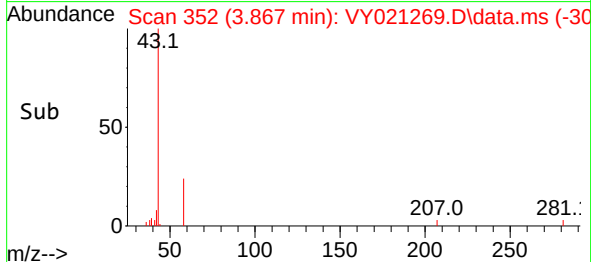
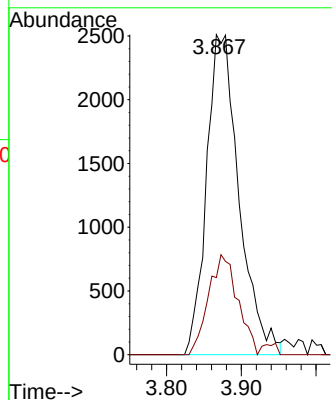
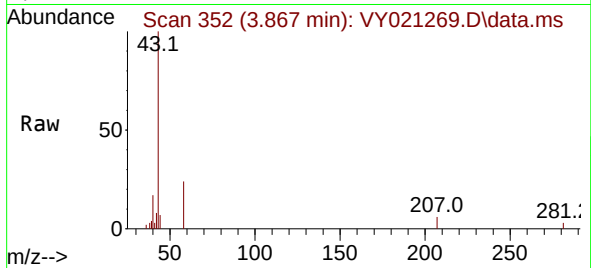




#16
Acetone
Concen: 110.128 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

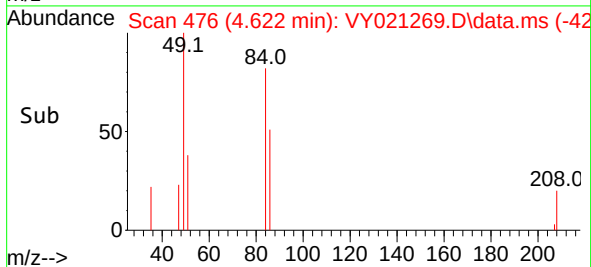
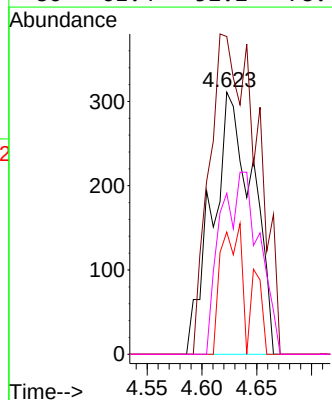
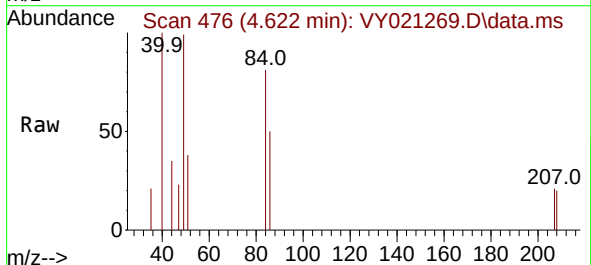
Instrument :
MSVOA_Y
ClientSampleId :

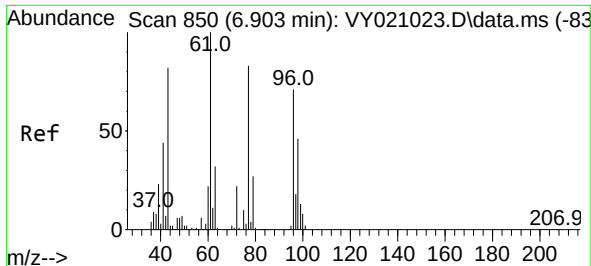
Tgt Ion: 43 Resp: 7584
Ion Ratio Lower Upper
43 100
58 24.1 26.6 39.8#



#20
Methylene Chloride
Concen: 1.864 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

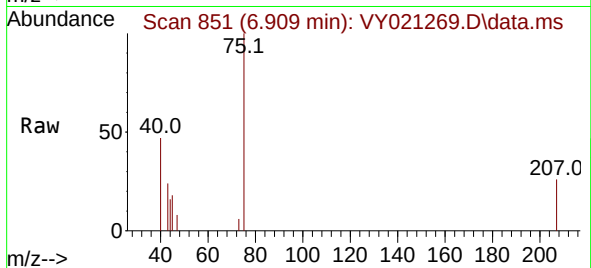
Tgt Ion: 84 Resp: 798
Ion Ratio Lower Upper
84 100
49 121.2 95.2 142.8
51 46.6 29.9 44.9#
86 61.4 52.2 78.4



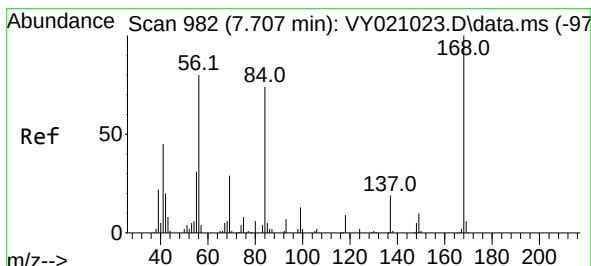
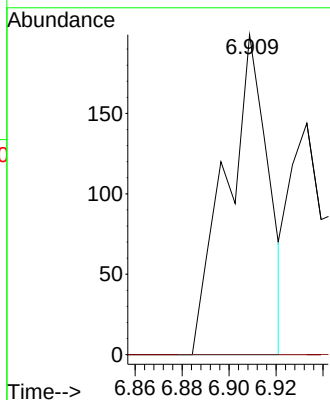
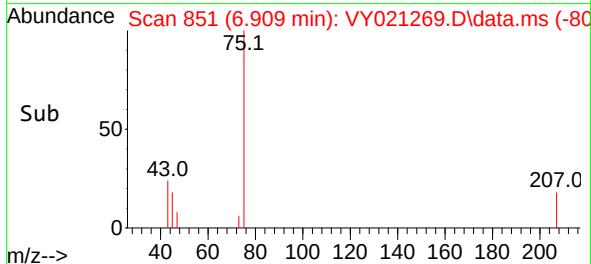


#25
2-Butanone
Concen: 2.200 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

Instrument :
MSVOA_Y
ClientSampleId :

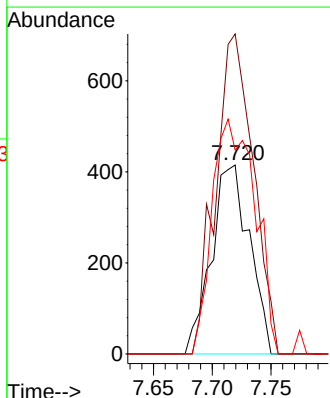
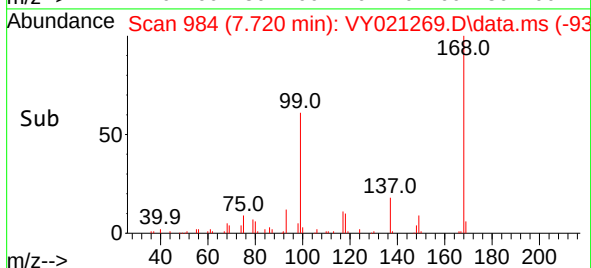
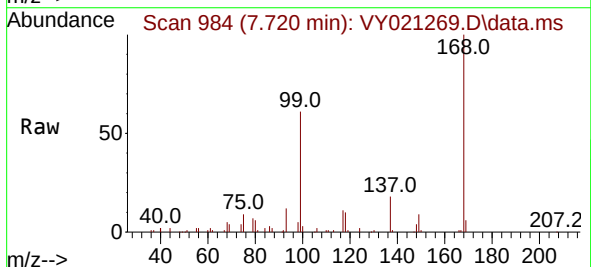


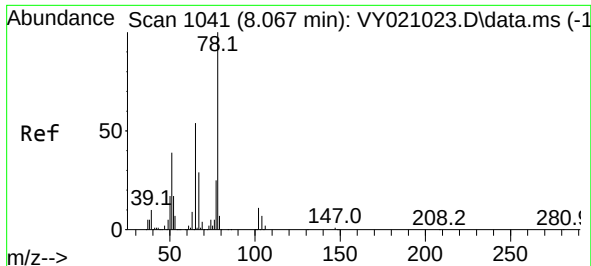
Tgt Ion: 43 Resp: 249
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.243 ug/l
RT: 7.720 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

Tgt Ion: 56 Resp: 936
Ion Ratio Lower Upper
56 100
69 169.4 27.0 40.6#
84 108.0 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 45.540 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY021269.D

Acq: 20 Feb 2025 22:57

Instrument :

MSVOA_Y

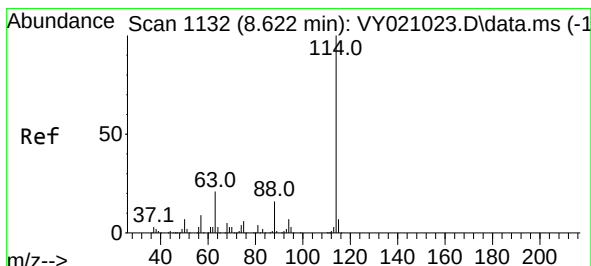
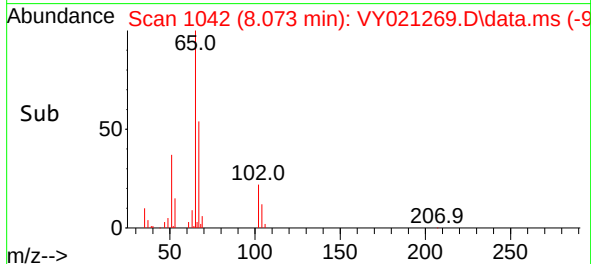
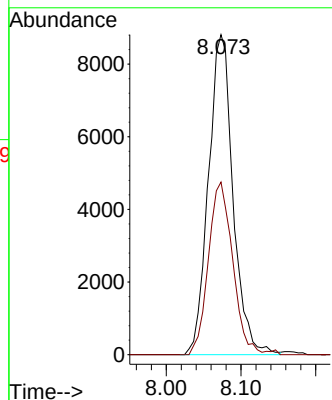
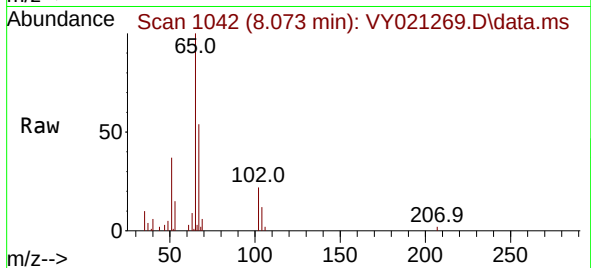
ClientSampleId :

Tgt Ion: 65 Resp: 20110

Ion Ratio Lower Upper

65 100

67 53.2 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021269.D

Acq: 20 Feb 2025 22:57

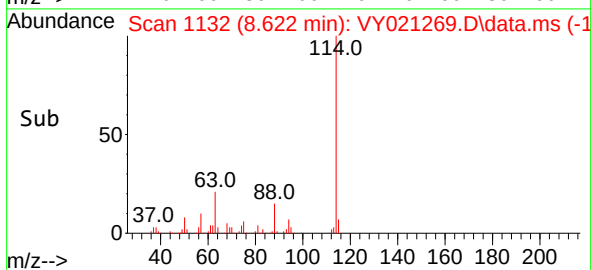
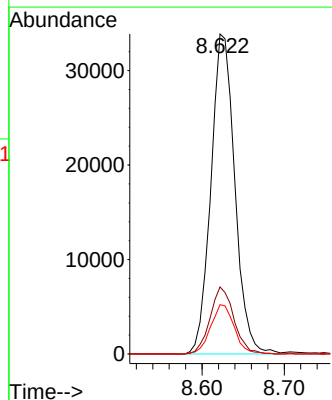
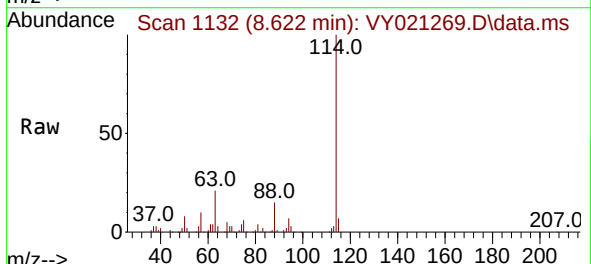
Tgt Ion: 114 Resp: 68423

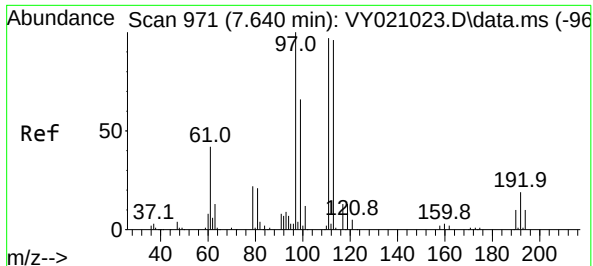
Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.4

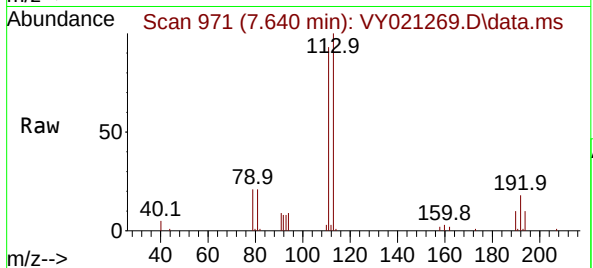
88 15.4 0.0 29.0



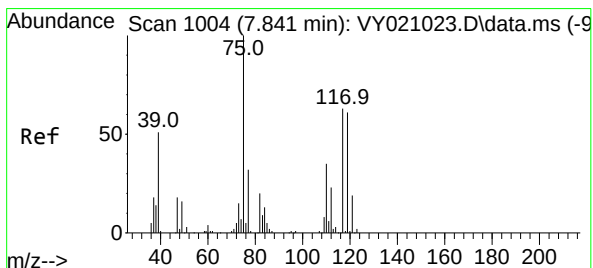
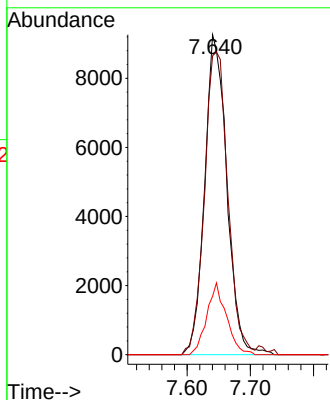
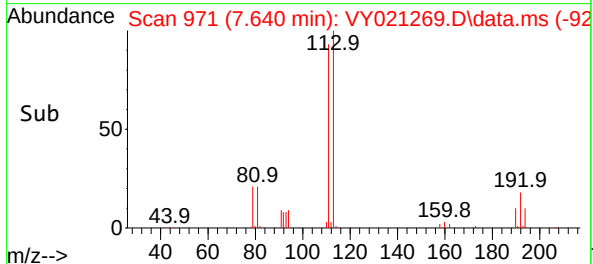


#35
Dibromofluoromethane
Concen: 51.489 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

Instrument :
MSVOA_Y
ClientSampleId :

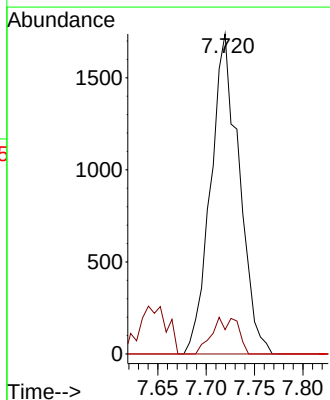
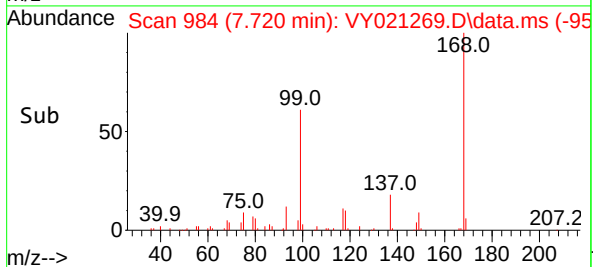
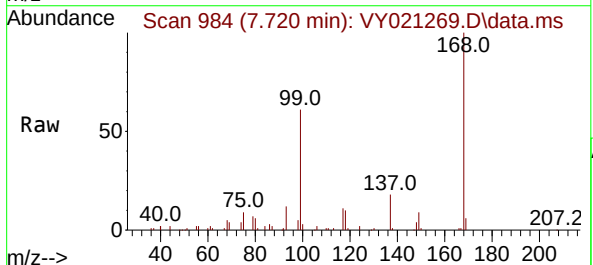


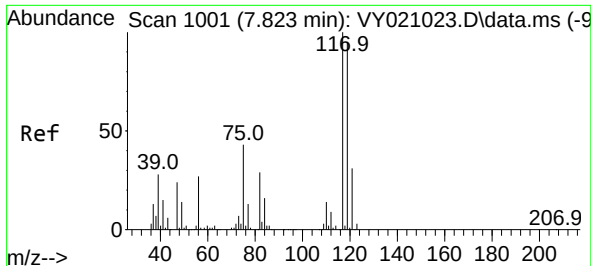
Tgt Ion:113 Resp: 22578
Ion Ratio Lower Upper
113 100
111 99.5 83.8 125.6
192 19.8 14.5 21.7



#36
1,1-Dichloropropene
Concen: 5.478 ug/l
RT: 7.720 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

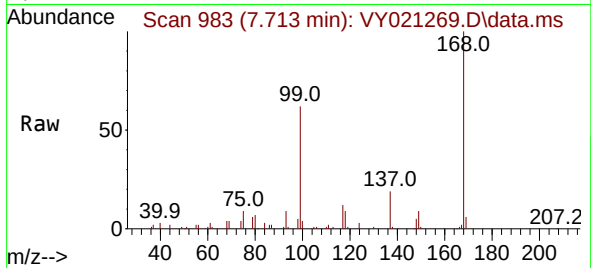
Tgt Ion: 75 Resp: 3558
Ion Ratio Lower Upper
75 100
110 10.3 17.4 52.3#
77 0.0 24.7 37.1#



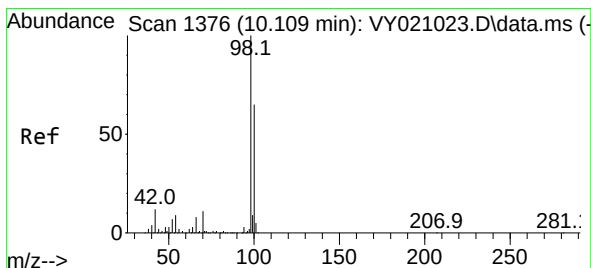
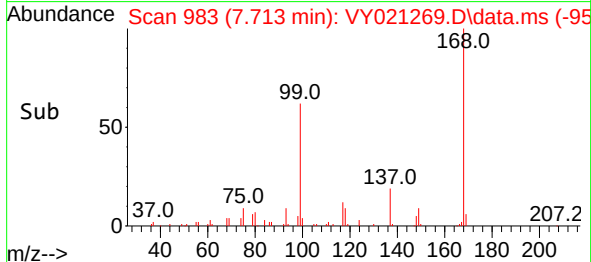
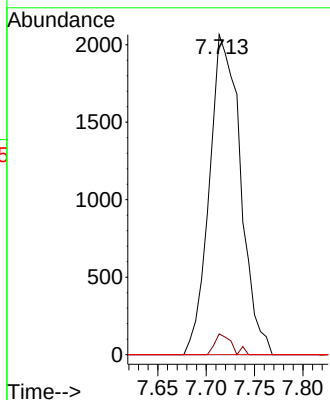


#38
Carbon Tetrachloride
Concen: 6.097 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

Instrument :
MSVOA_Y
ClientSampleId :

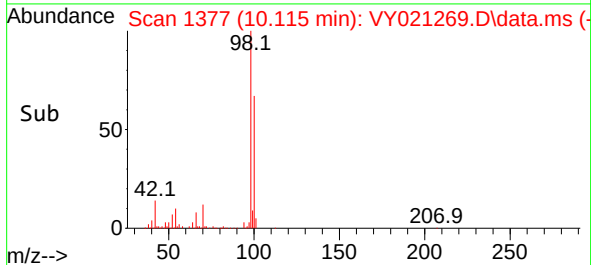
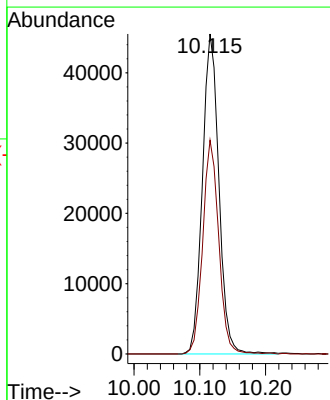
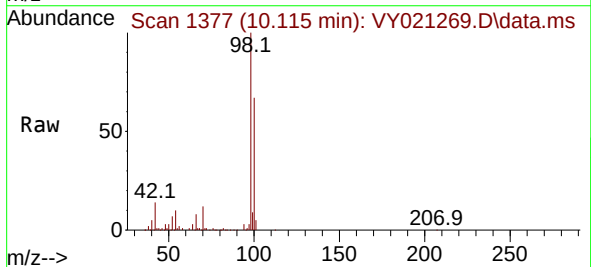


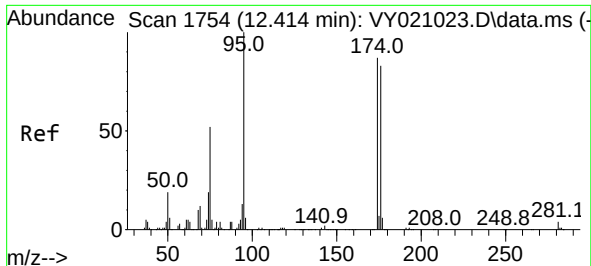
Tgt Ion:117 Resp: 4627
Ion Ratio Lower Upper
117 100
119 6.5 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.568 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

Tgt Ion: 98 Resp: 79410
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5

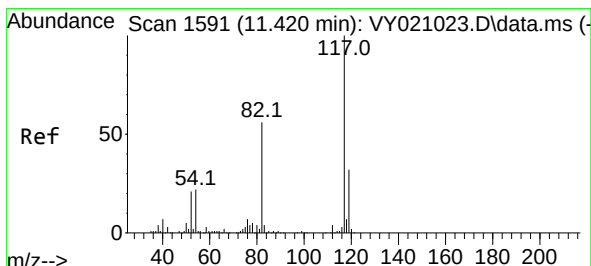
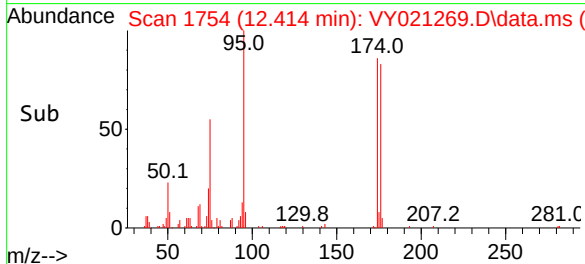
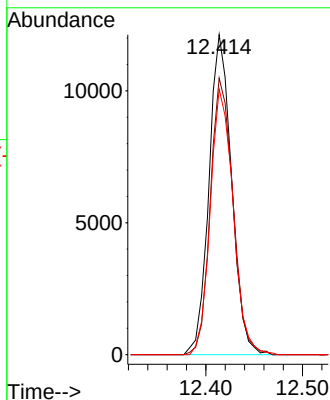
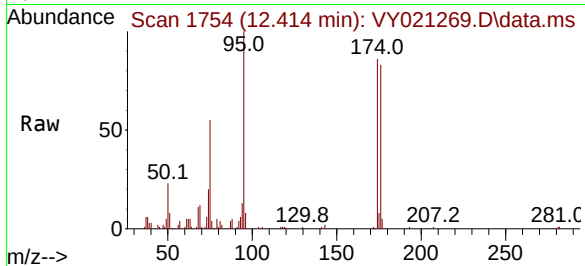




#62
4-Bromofluorobenzene
Concen: 36.123 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

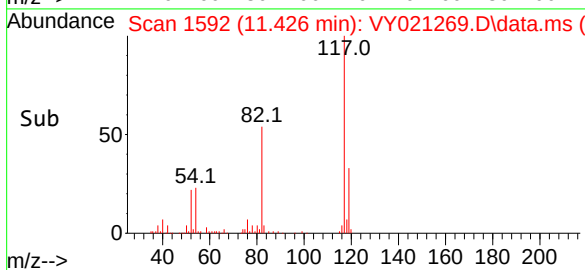
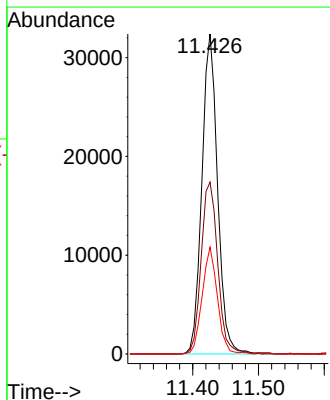
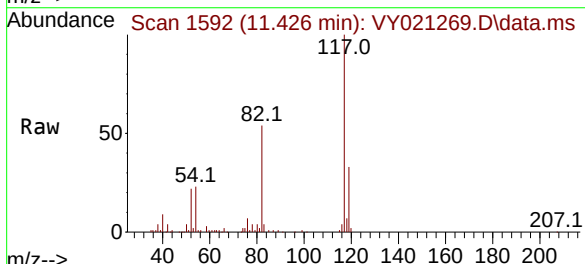
Instrument :
MSVOA_Y
ClientSampleId :

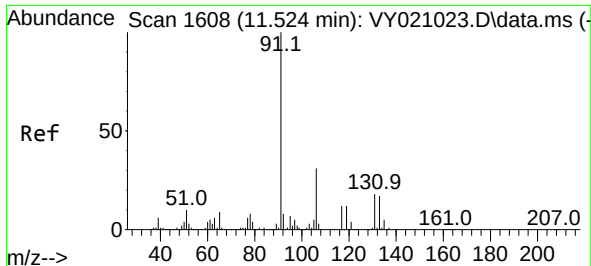
Tgt Ion:	95	Resp:	19701
Ion Ratio	Lower	Upper	
95	100		
174	86.5	0.0	160.0
176	83.9	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

Tgt Ion:	117	Resp:	53914
Ion Ratio	Lower	Upper	
117	100		
82	53.7	43.8	65.8
119	33.4	26.5	39.7





#67

Ethyl Benzene

Concen: 2.031 ug/l

RT: 11.530 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021269.D

Acq: 20 Feb 2025 22:57

Instrument :

MSVOA_Y

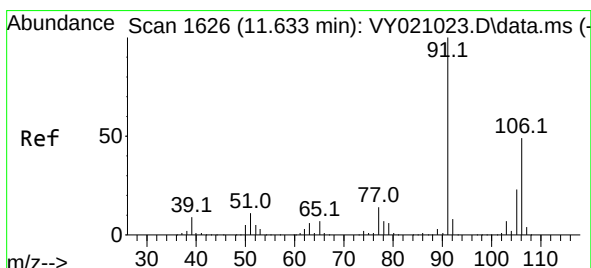
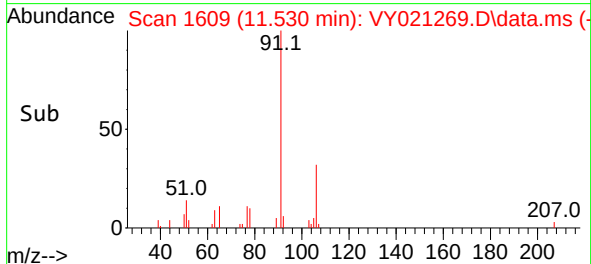
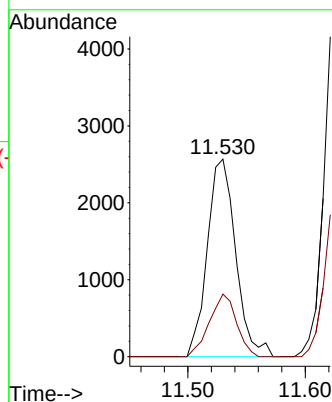
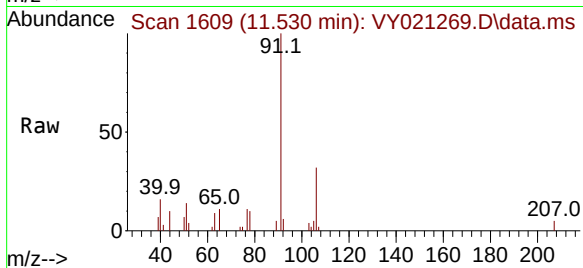
ClientSampleId :

Tgt Ion: 91 Resp: 4313

Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.4



#68

m/p-Xylenes

Concen: 8.644 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. -0.000 min

Lab File: VY021269.D

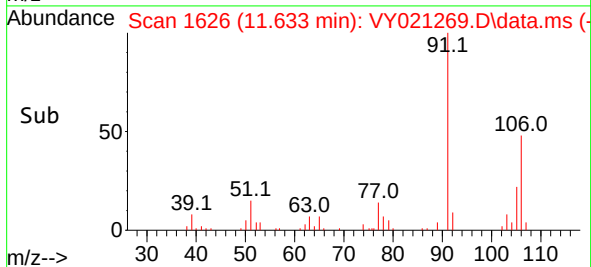
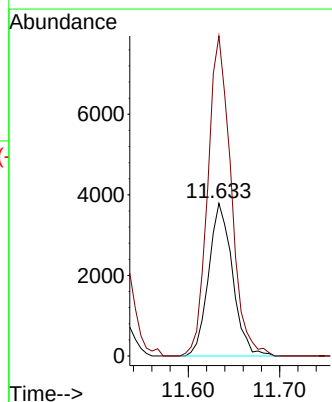
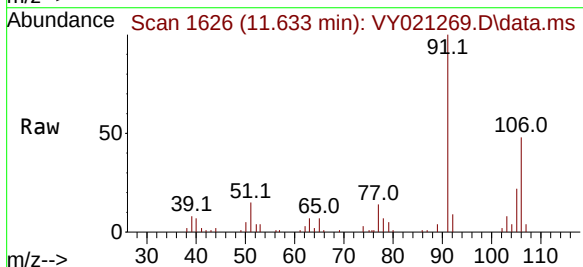
Acq: 20 Feb 2025 22:57

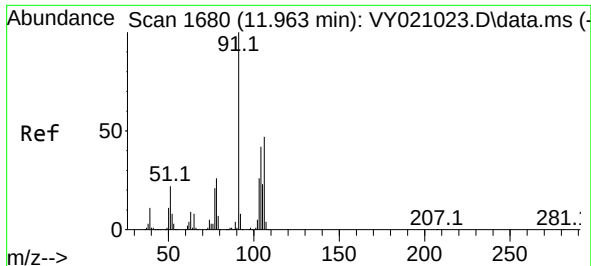
Tgt Ion:106 Resp: 6866

Ion Ratio Lower Upper

106 100

91 204.5 160.7 241.1

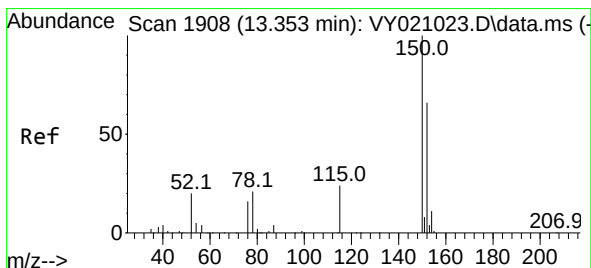
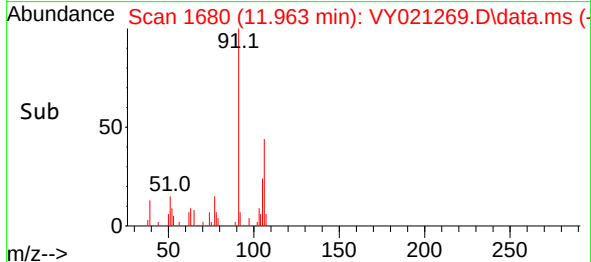
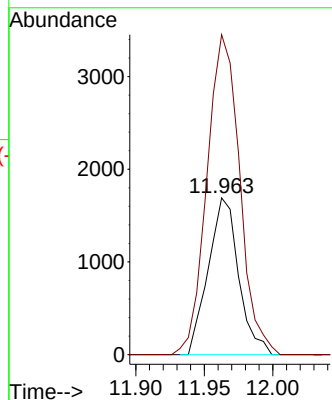
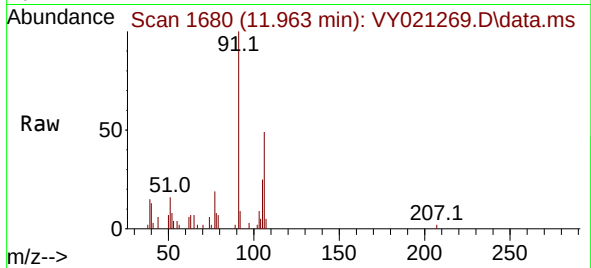




#69
o-Xylene
Concen: 3.519 ug/l
RT: 11.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

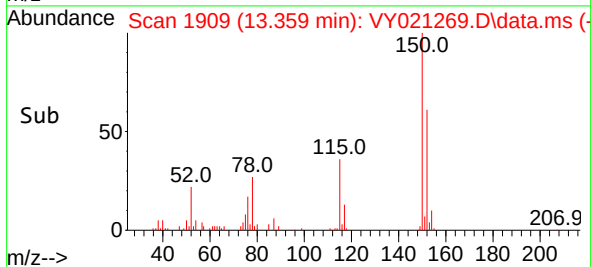
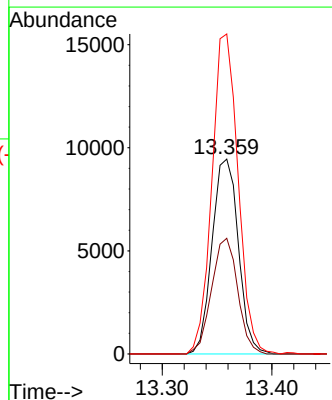
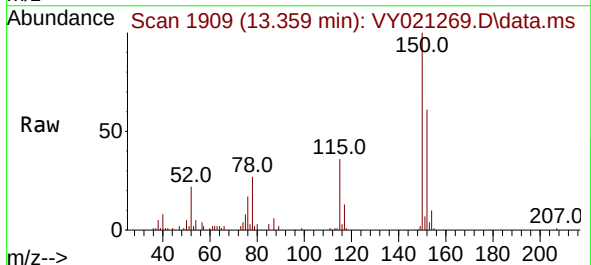
Instrument :
MSVOA_Y
ClientSampleId :

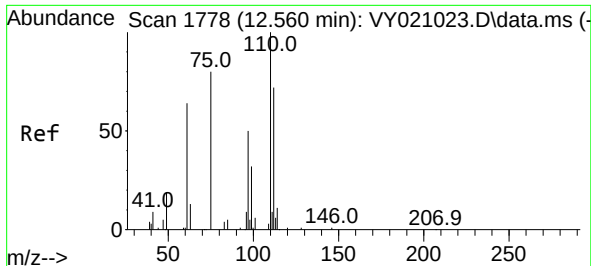
Tgt Ion:106 Resp: 2606
Ion Ratio Lower Upper
106 100
91 220.6 106.5 319.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021269.D
Acq: 20 Feb 2025 22:57

Tgt Ion:152 Resp: 15735
Ion Ratio Lower Upper
152 100
115 59.1 30.0 90.0
150 163.4 0.0 344.6

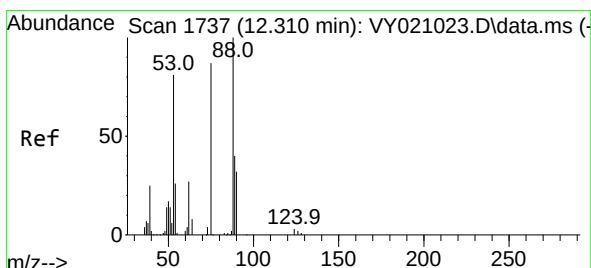
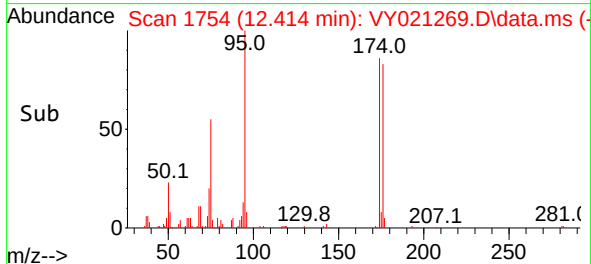
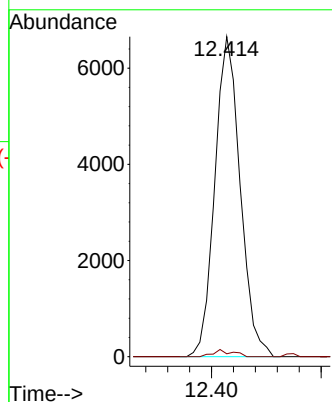
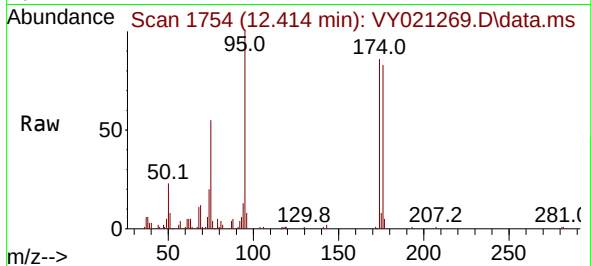




#76
 1,2,3-Trichloropropane
 Concen: 74.873 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.146 min
 Lab File: VY021269.D
 Acq: 20 Feb 2025 22:57

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 10687
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 152.776 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. 0.104 min
 Lab File: VY021269.D
 Acq: 20 Feb 2025 22:57

Tgt Ion: 75 Resp: 10687
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

