

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021365.D
 Acq On : 27 Feb 2025 17:55
 Operator : SY/MD
 Sample : Q1440-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-022625

Quant Time: Feb 28 00:43:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

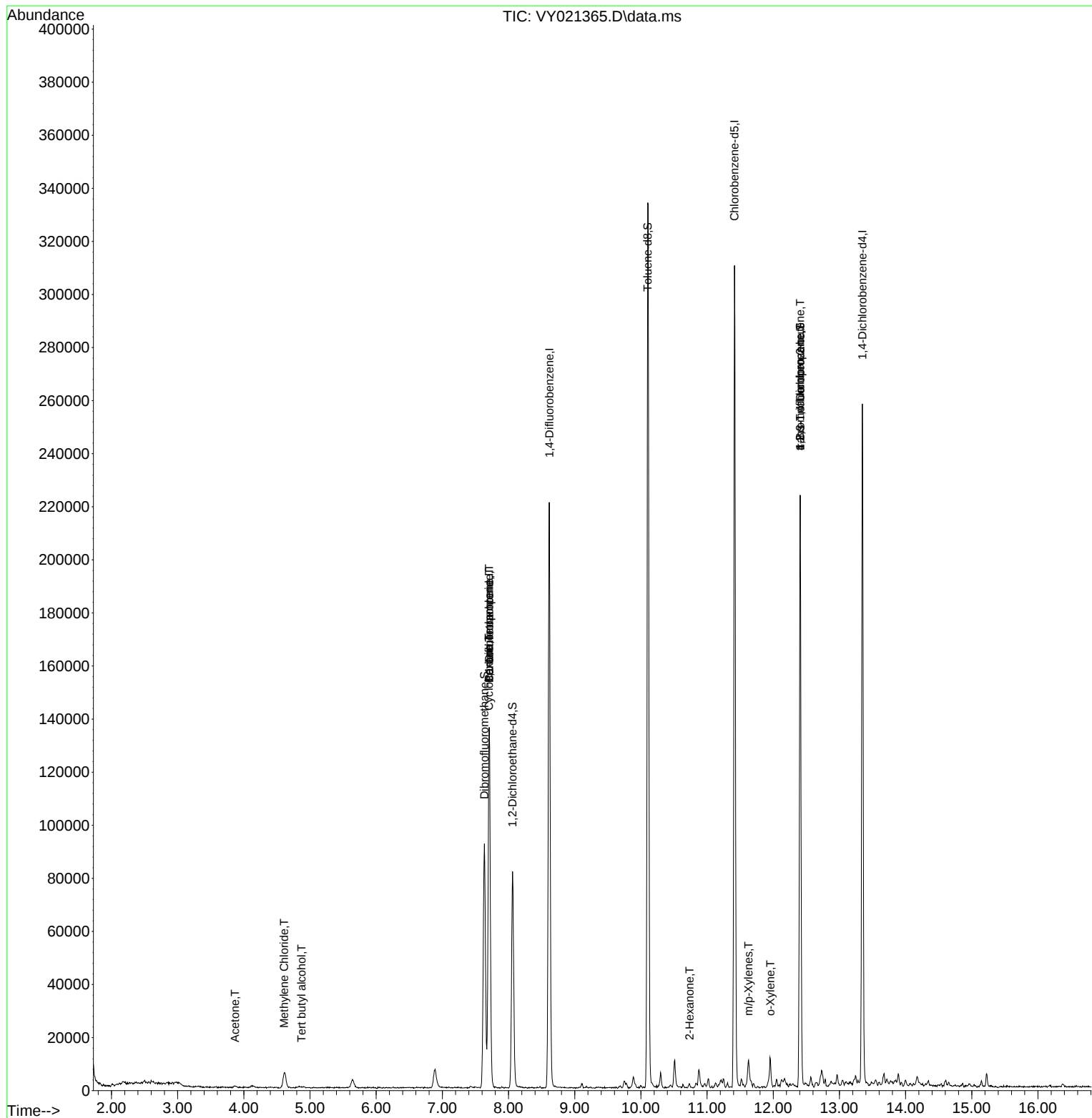
Internal Standards						
1) Pentafluorobenzene	7.707	168	103498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	181592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	160154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	62344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	66087	56.288	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.580%	
35) Dibromofluoromethane	7.634	113	63459	53.303	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.600%	
50) Toluene-d8	10.103	98	217316	47.231	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.460%	
62) 4-Bromofluorobenzene	12.408	95	64934	41.934	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	625	6.921	ug/l #	72
16) Acetone	3.867	43	1083	4.809	ug/l	90
20) Methylene Chloride	4.610	84	4385	3.601	ug/l #	80
31) Cyclohexane	7.701	56	2831	1.368	ug/l #	30
36) 1,1-Dichloropropene	7.707	75	8398	4.696	ug/l #	51
38) Carbon Tetrachloride	7.707	117	10617	5.281	ug/l #	17
59) 2-Hexanone	10.737	43	646	1.116	ug/l #	26
68) m/p-Xylenes	11.627	106	2930	1.223	ug/l	96
69) o-Xylene	11.957	106	2622	1.169	ug/l	94
76) 1,2,3-Trichloropropane	12.408	75	35644	57.119	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	35644	126.955	ug/l #	10

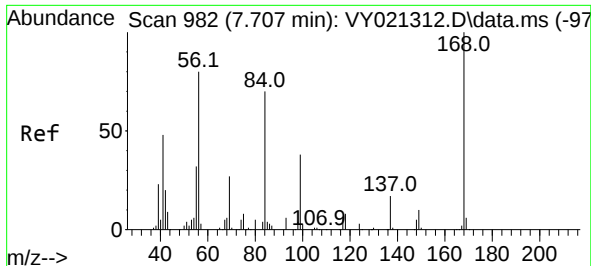
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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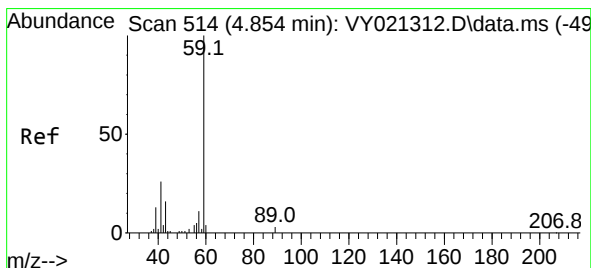
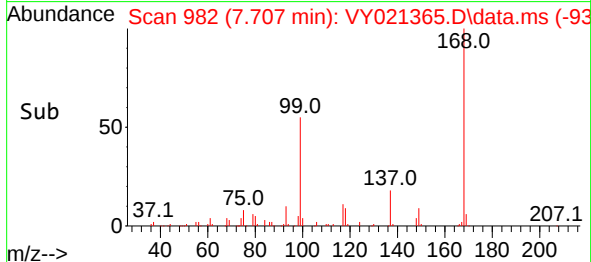
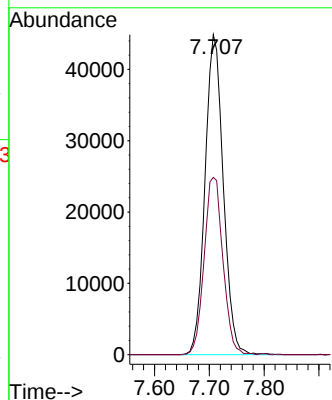
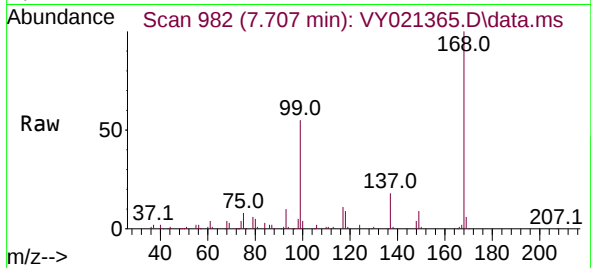




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

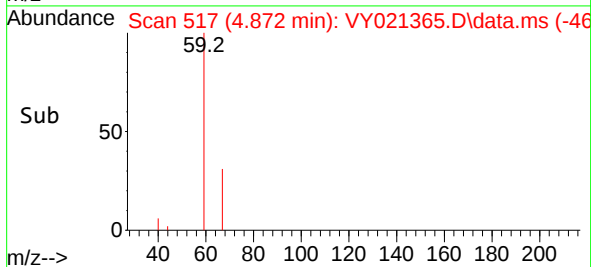
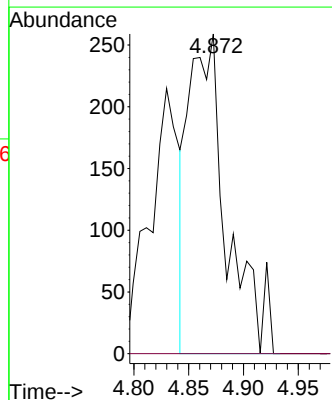
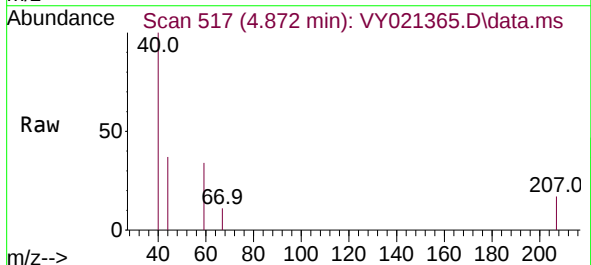
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-022625

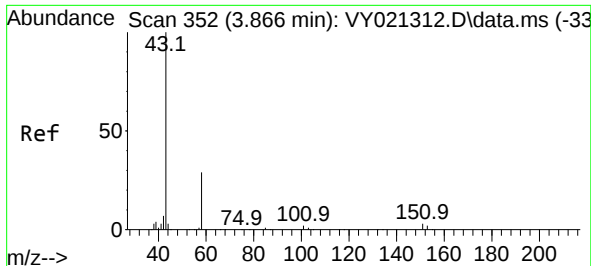
Tgt Ion:168 Resp: 103498
Ion Ratio Lower Upper
168 100
99 55.4 47.1 70.7



#11
Tert butyl alcohol
Concen: 6.921 ug/l
RT: 4.872 min Scan# 517
Delta R.T. 0.018 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

Tgt Ion: 59 Resp: 625
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

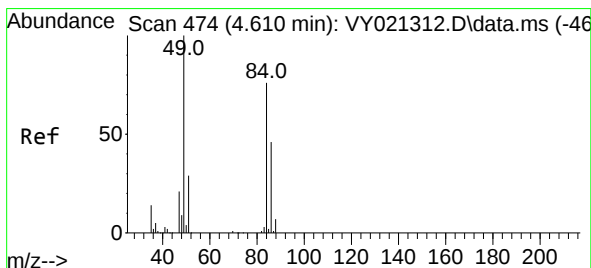
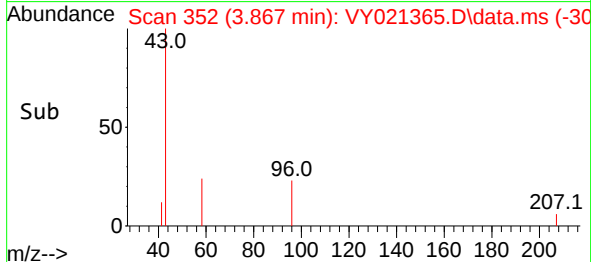
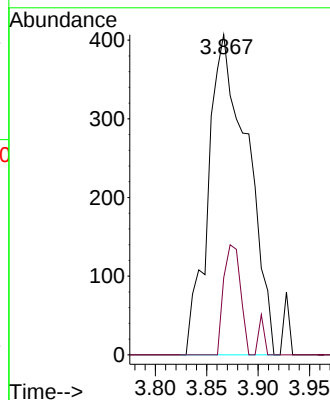
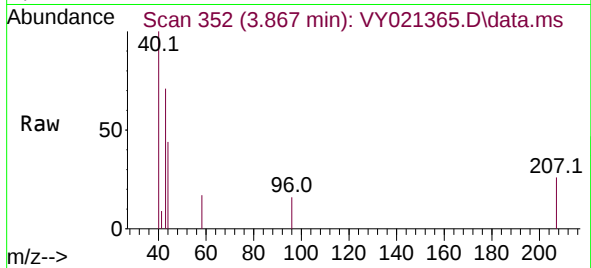




#16
Acetone
Concen: 4.809 ug/l
RT: 3.867 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

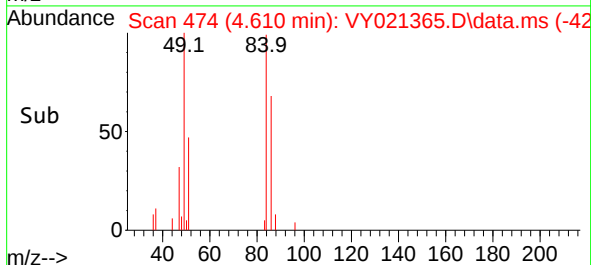
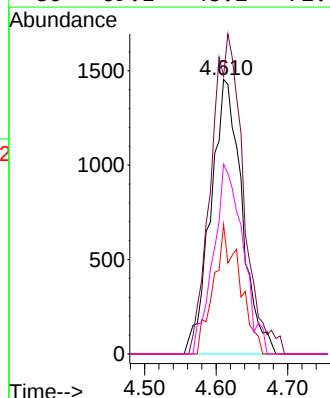
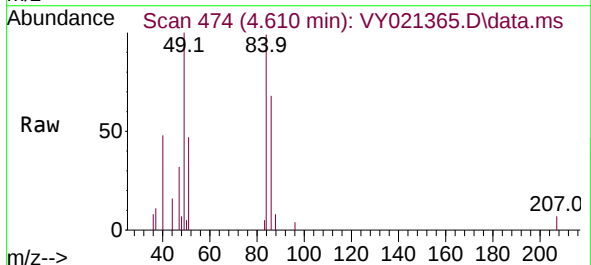
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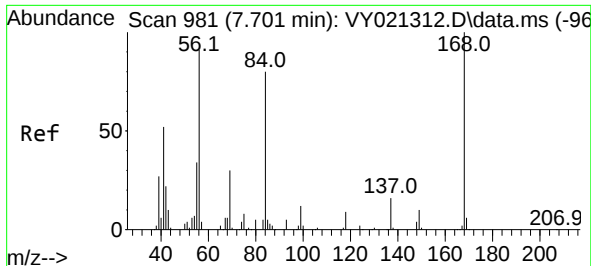
Tgt Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
58 24.1 23.5 35.3



#20
Methylene Chloride
Concen: 3.601 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

Tgt Ion: 84 Resp: 4385
Ion Ratio Lower Upper
84 100
49 101.2 105.1 157.7#
51 47.2 31.0 46.4#
86 69.1 48.2 72.4

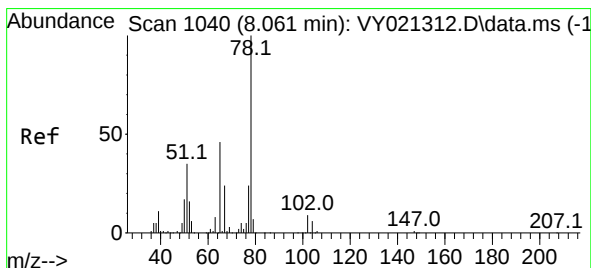
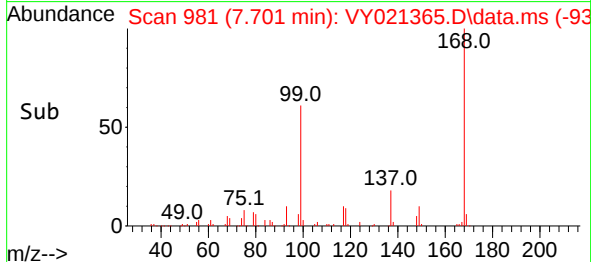
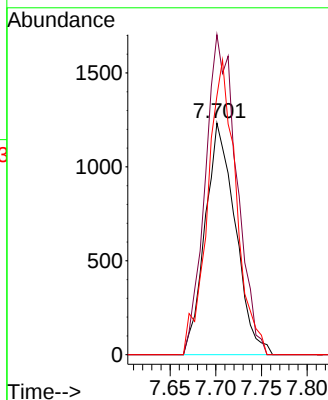
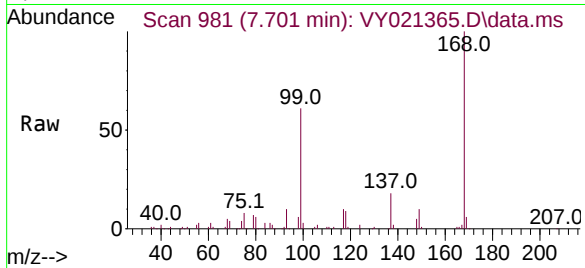




#31
Cyclohexane
Concen: 1.368 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

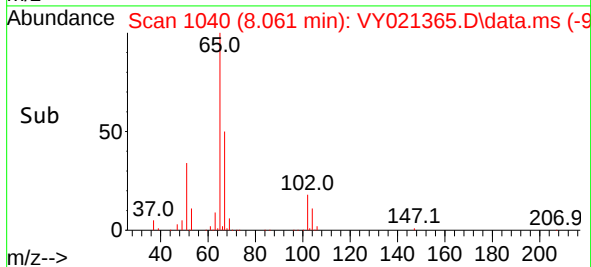
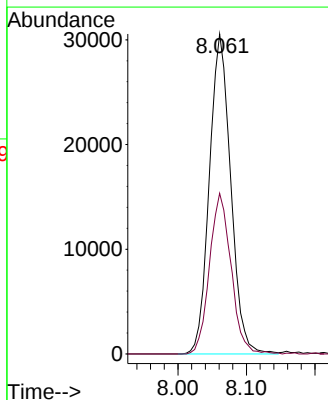
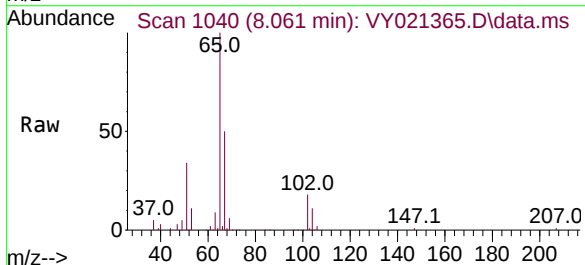
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-022625

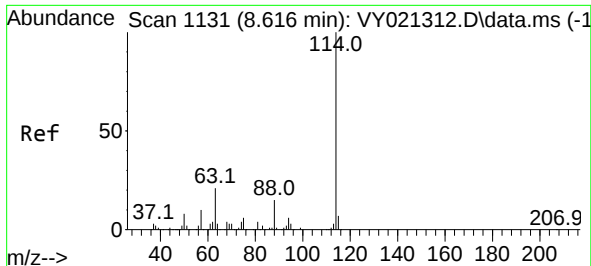
Tgt Ion: 56 Resp: 2831
Ion Ratio Lower Upper
56 100
69 138.1 26.2 39.4#
84 111.7 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 56.288 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

Tgt Ion: 65 Resp: 66087
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.6

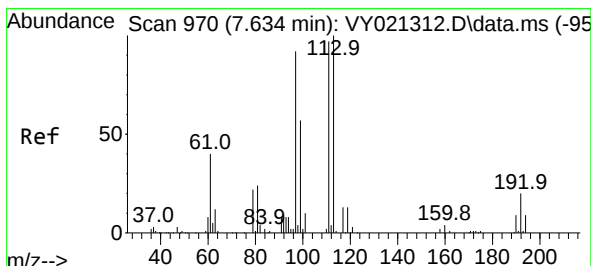
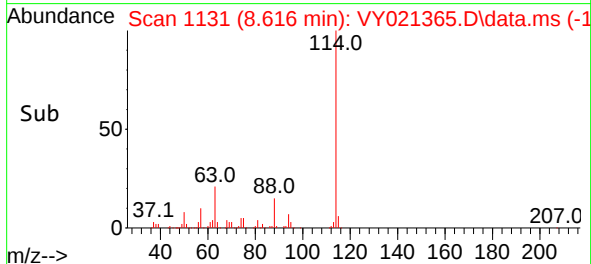
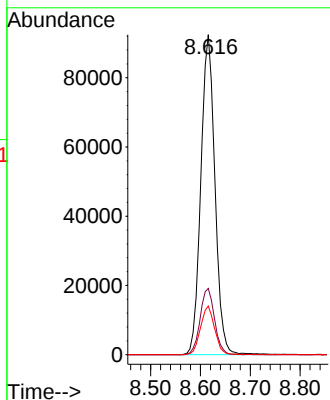
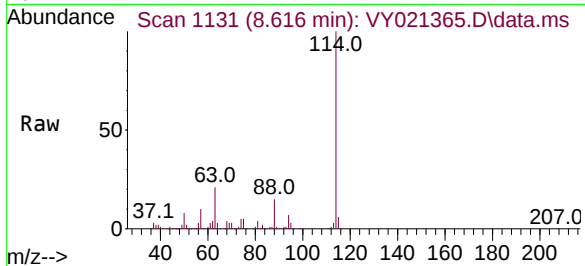




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

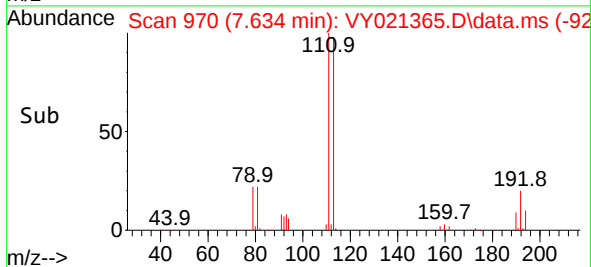
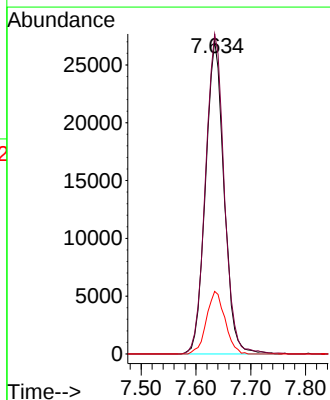
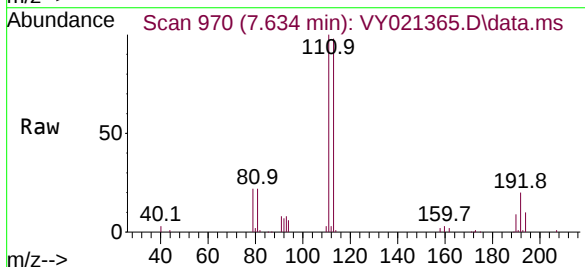
Instrument :
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OR-02-022625

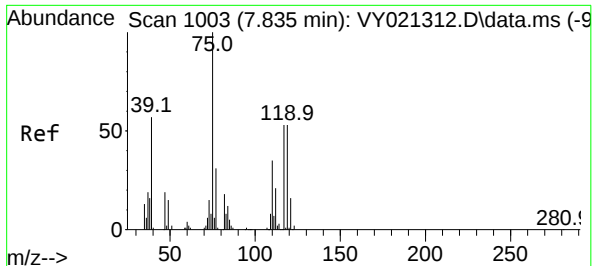
Tgt Ion:114 Resp: 181592
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.2
88 15.2 0.0 29.8



#35
Dibromofluoromethane
Concen: 53.303 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

Tgt Ion:113 Resp: 63459
Ion Ratio Lower Upper
113 100
111 103.6 81.0 121.6
192 20.0 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021365.D

Acq: 27 Feb 2025 17:55

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-022625

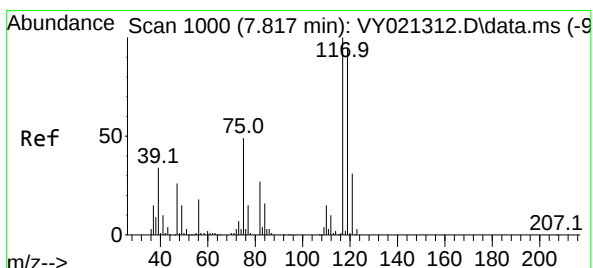
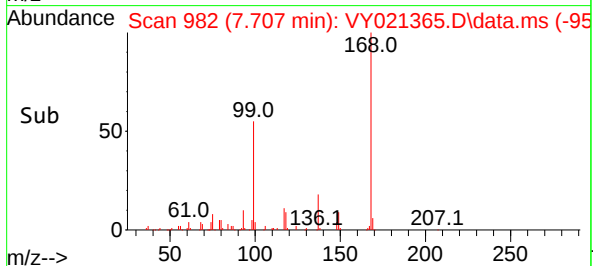
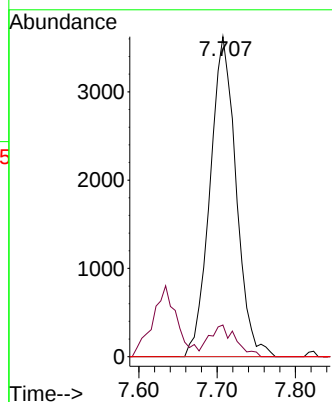
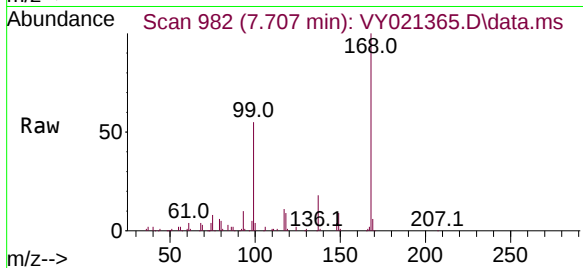
Tgt Ion: 75 Resp: 8398

Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.281 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY021365.D

Acq: 27 Feb 2025 17:55

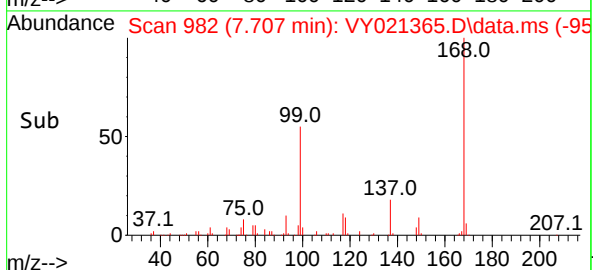
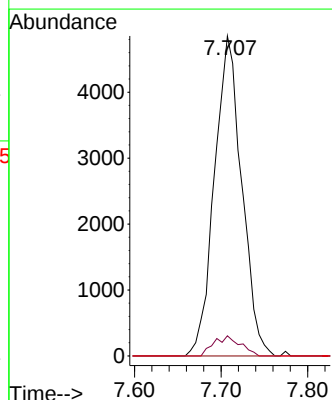
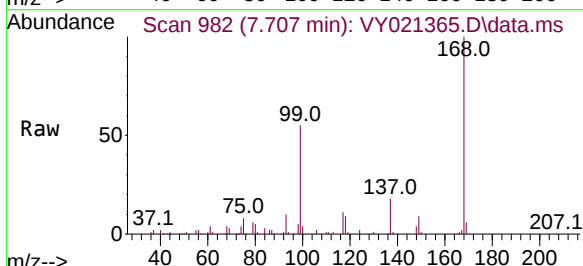
Tgt Ion: 117 Resp: 10617

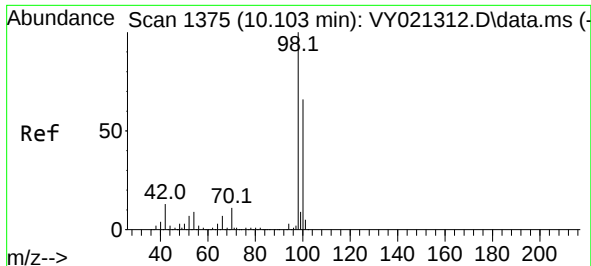
Ion Ratio Lower Upper

117 100

119 6.3 76.0 114.0#

121 0.0 24.9 37.3#

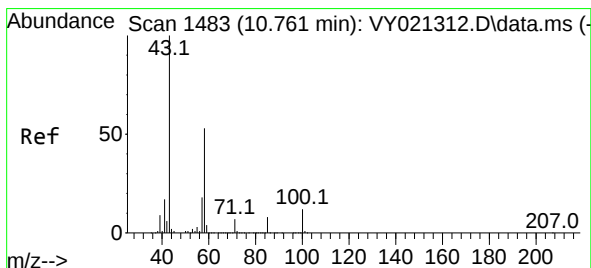
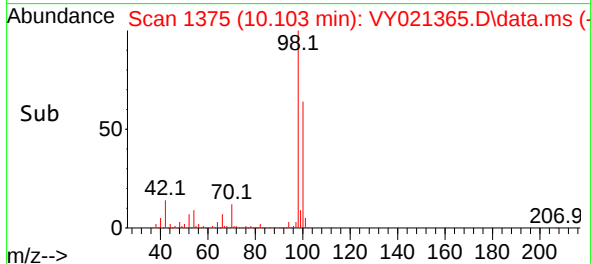
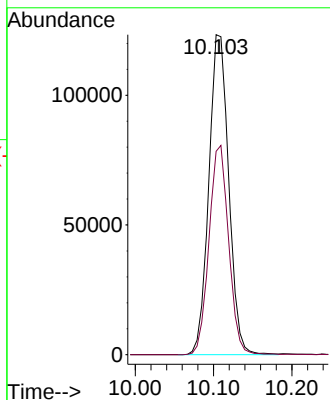
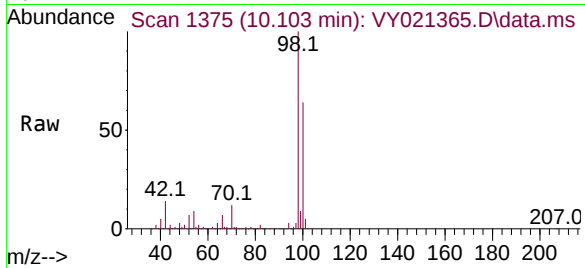




#50
Toluene-d8
Concen: 47.231 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

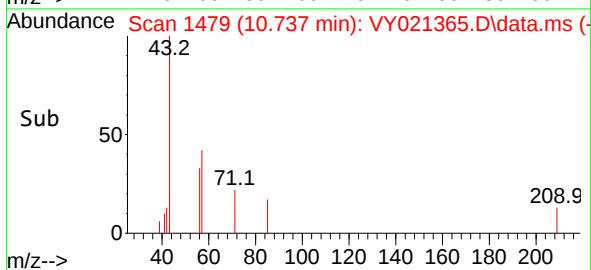
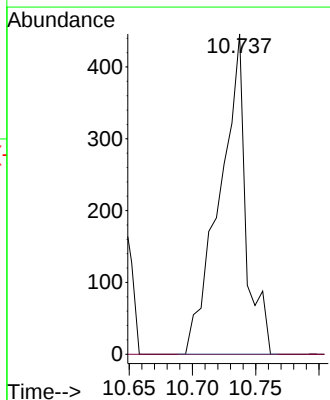
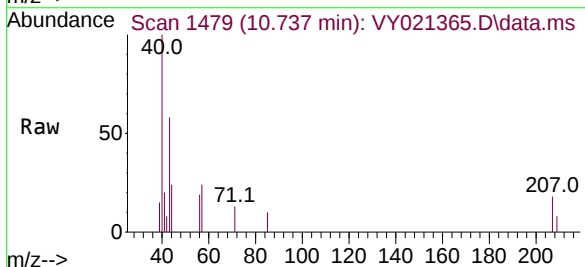
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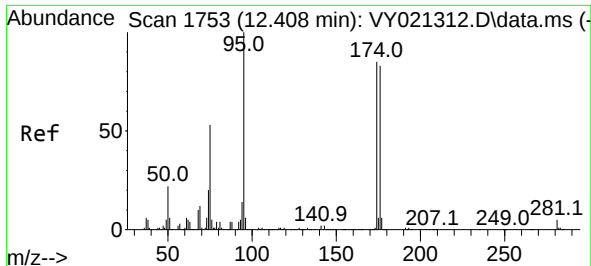
Tgt Ion: 98 Resp: 217316
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



#59
2-Hexanone
Concen: 1.116 ug/l
RT: 10.737 min Scan# 1479
Delta R.T. -0.024 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

Tgt Ion: 43 Resp: 646
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#

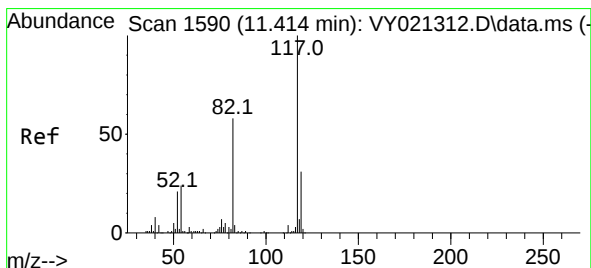
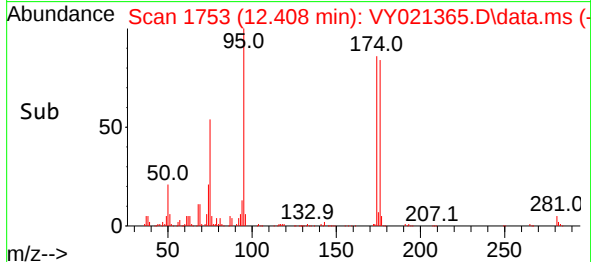
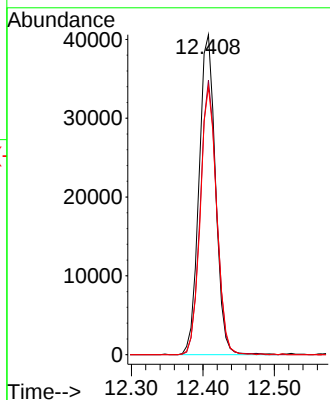
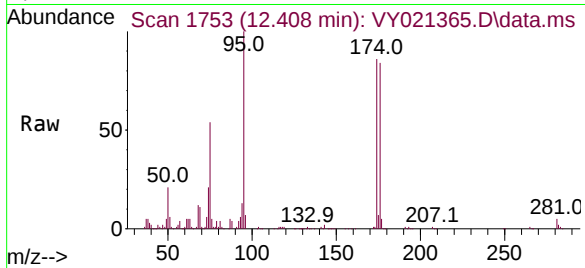




#62
4-Bromofluorobenzene
Concen: 41.934 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

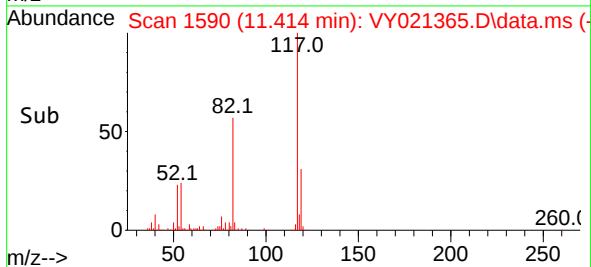
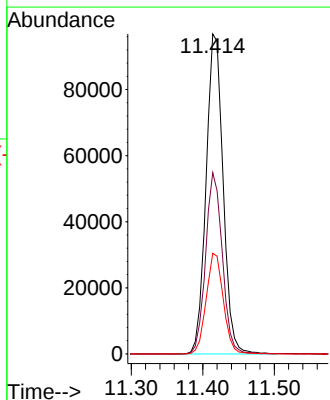
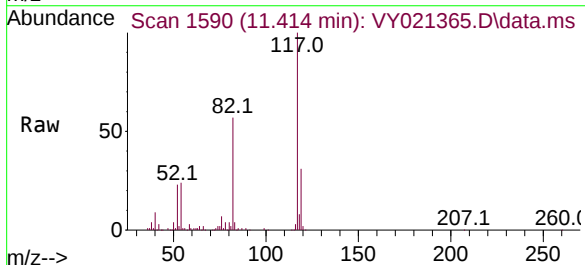
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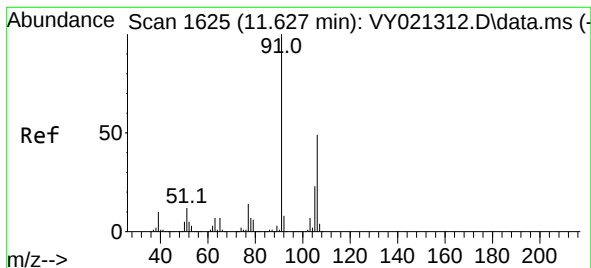
Tgt Ion:	95	Resp:	64934
Ion Ratio	Lower	Upper	
95	100		
174	84.7	0.0	168.0
176	83.4	0.0	162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

Tgt Ion:	117	Resp:	160154
Ion Ratio	Lower	Upper	
117	100		
82	56.7	46.2	69.4
119	31.5	24.9	37.3

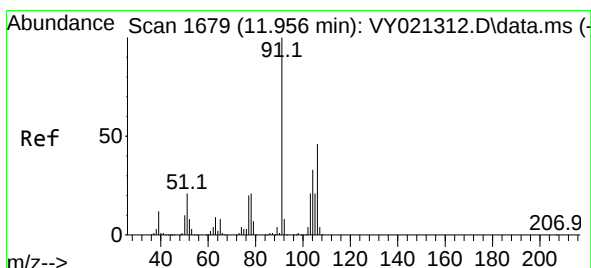
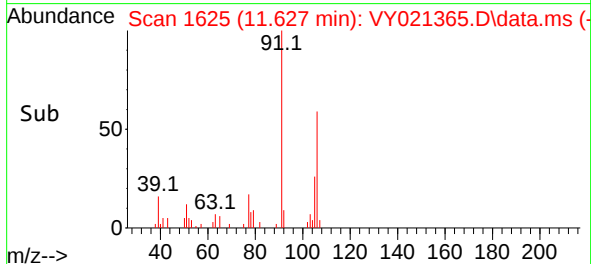
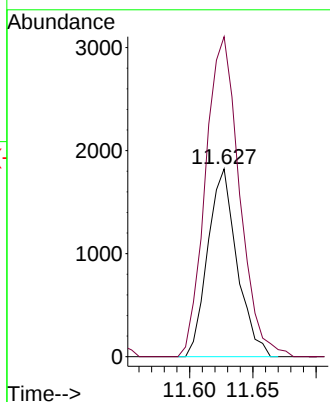
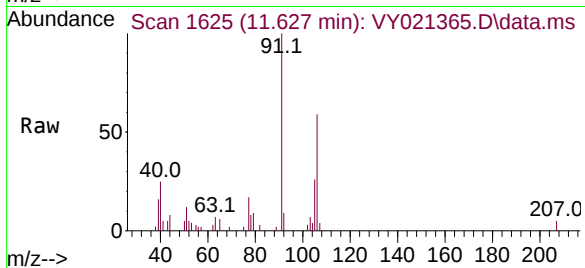




#68
m/p-Xylenes
Concen: 1.223 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

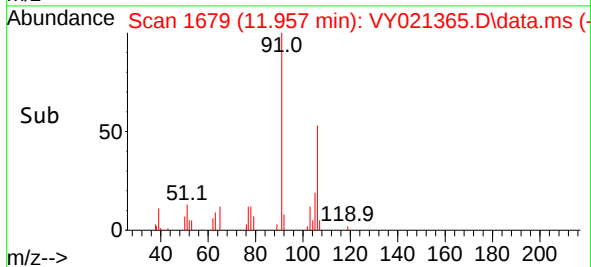
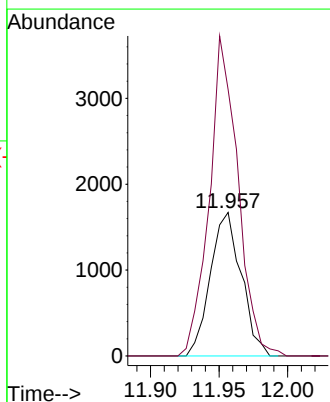
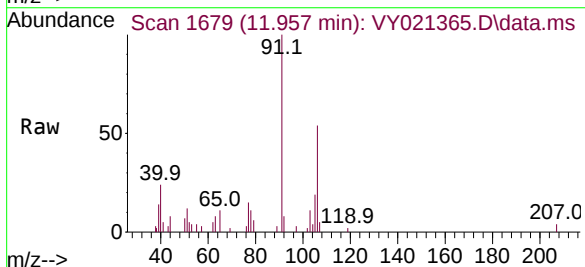
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-022625

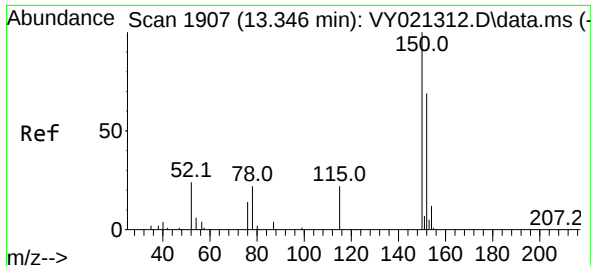
Tgt Ion:106 Resp: 2930
Ion Ratio Lower Upper
106 100
91 198.1 163.9 245.9



#69
o-Xylene
Concen: 1.169 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021365.D
Acq: 27 Feb 2025 17:55

Tgt Ion:106 Resp: 2622
Ion Ratio Lower Upper
106 100
91 206.7 108.1 324.2

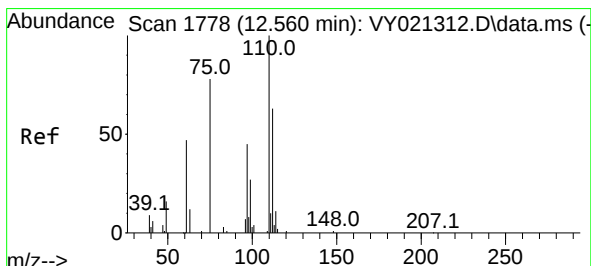
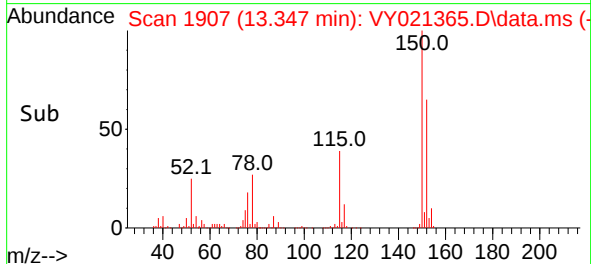
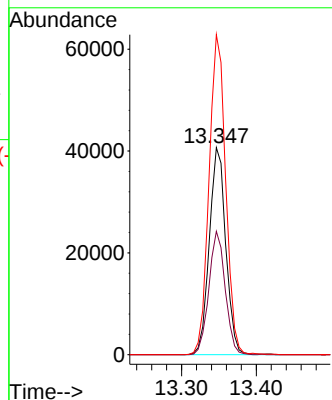
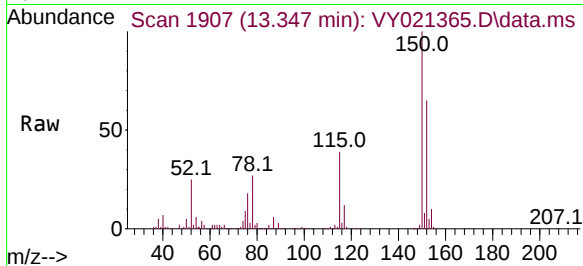




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021365.D
 Acq: 27 Feb 2025 17:55

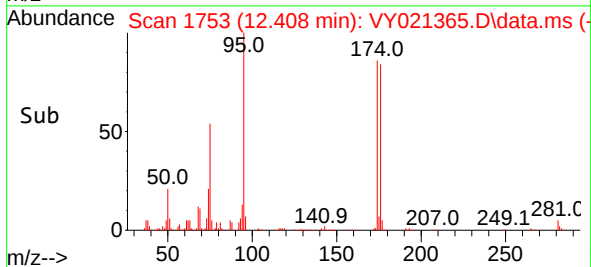
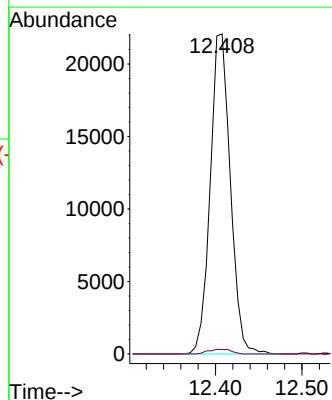
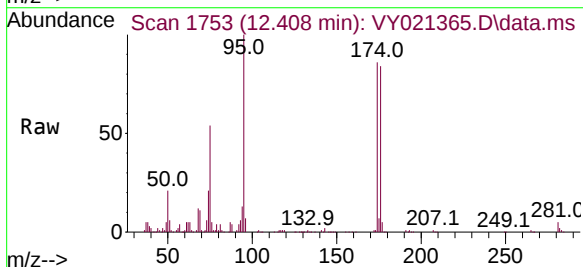
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-022625

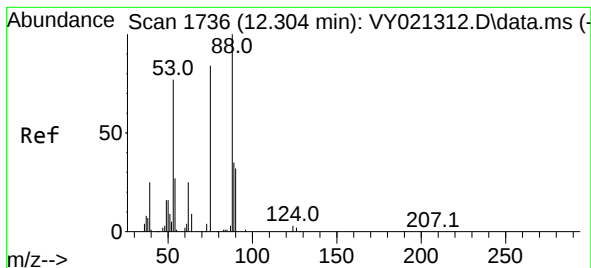
Tgt Ion:152 Resp: 62344
 Ion Ratio Lower Upper
 152 100
 115 58.8 29.3 88.0
 150 155.7 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 57.119 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021365.D
 Acq: 27 Feb 2025 17:55

Tgt Ion: 75 Resp: 35644
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.955 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021365.D
 Acq: 27 Feb 2025 17:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-022625

Tgt Ion: 75 Resp: 35644
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.1 118.7#
 89 0.0 35.6 53.4#

