

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042924\
 Data File : VW035469.D
 Acq On : 29 Apr 2024 14:33
 Operator : SY/MD
 Sample : P2279-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0RQ8

Quant Time: Apr 30 02:12:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 02:09:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.587	114	89	50.000	ug/L	# 0.06
28) Chlorobenzene-d5	8.799	117	1003	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.191	152	1631	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.548	65	263	367.704	ug/L	0.27
Spiked Amount	50.000	Range 60 - 135	Recovery	= 735.400%#		
7) Chloroethane-d5	1.523	69	83	202.536	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	= 405.080%#		
11) 1,1-Dichloroethene-d2	2.053	65	212	725.207	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 1450.420%#		
21) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount	100.000	Range 40 - 130	Recovery	= 0.000%#		
24) Chloroform-d	0.000	84	0	0.000	ug/L	
Spiked Amount	50.000	Range 70 - 125	Recovery	= 0.000%#		
26) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/L	
Spiked Amount	50.000	Range 70 - 125	Recovery	= 0.000%#		
32) Benzene-d6	0.000	84	0	0.000	ug/L	
Spiked Amount	50.000	Range 70 - 125	Recovery	= 0.000%#		
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	50.000	Range 70 - 120	Recovery	= 0.000%#		
41) Toluene-d8	7.294	98	313	13.175	ug/L	0.05
Spiked Amount	50.000	Range 80 - 120	Recovery	= 26.340%#		
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	50.000	Range 60 - 125	Recovery	= 0.000%#		
47) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount	100.000	Range 45 - 130	Recovery	= 0.000%#		
56) 1,1,2,2-Tetrachloroeth...	10.169	84	207	17.859	ug/L	0.02
Spiked Amount	50.000	Range 65 - 120	Recovery	= 35.720%#		
66) 1,2-Dichlorobenzene-d4	11.567	152	1266	44.366	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 88.740%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.214	50	7389	11128.481	ug/L	99
5) Vinyl chloride	1.105	62	161	229.856	ug/L #	41
6) Bromomethane	1.491	94	439	1070.144	ug/L	86
8) Chloroethane	1.700	64	172	556.255	ug/L	98
13) Acetone	2.130	43	4180	9595.934	ug/L	71
14) Carbon disulfide	2.240	76	4040	2765.934	ug/L #	95
15) Methyl Acetate	2.384	43	137	207.383	ug/L #	49
16) Methylene chloride	2.436	84	65	97.737	ug/L #	61
18) Methyl tert-butyl Ether	2.555	73	205	107.664	ug/L #	1
22) 2-Butanone	3.886	43	124	257.314	ug/L #	47
48) 2-Hexanone	8.153	43	257	33.786	ug/L #	55
51) Chlorobenzene	8.822	112	36557	1843.327	ug/L	99
61) 1,2,3-Trichloropropane	11.127	75	2371	77.665	ug/L #	47
64) 1,3-Dichlorobenzene	11.127	146	8263	170.466	ug/L	95
65) 1,4-Dichlorobenzene	11.214	146	31112	611.918	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	13874	282.496	ug/L	99
69) 1,3,5-Trichlorobenzene	12.593	180	255	7.425	ug/L #	79
70) 1,2,4-trichlorobenzene	13.214	180	1019	37.375	ug/L #	80
71) Naphthalene	13.464	128	598	10.054	ug/L #	79

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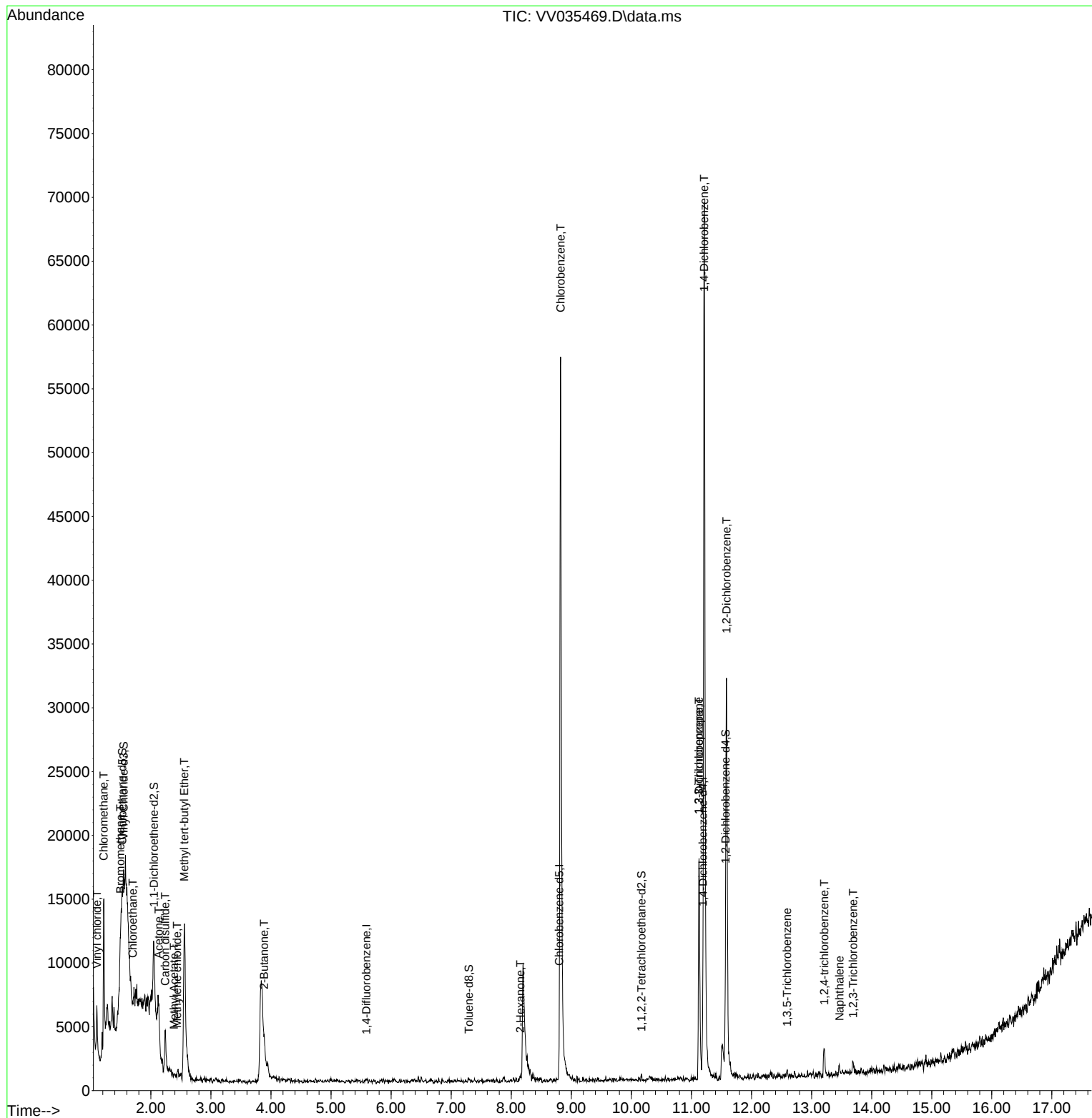
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	13.693	180	583	21.945	ug/L #	82

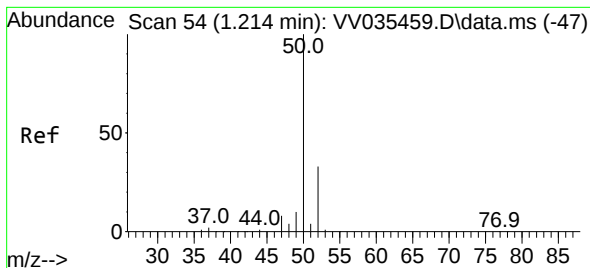
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 11128.481 ug/L

RT: 1.214 min Scan# 54

Delta R.T. 0.000 min

Lab File: VV035469.D

Acq: 29 Apr 2024 14:33

Instrument :

MSVOA_V

ClientSampleId :

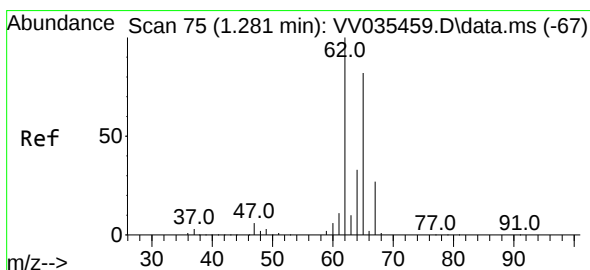
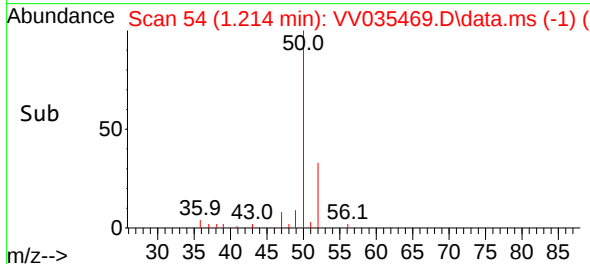
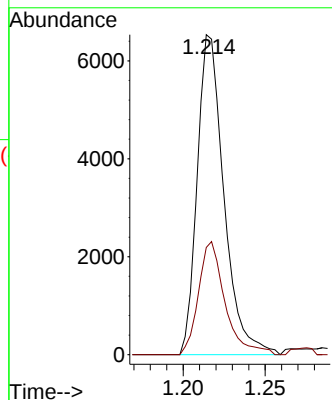
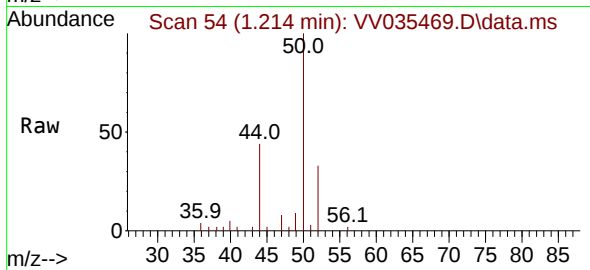
C0RQ8

Tgt Ion: 50 Resp: 7389

Ion Ratio Lower Upper

50 100

52 33.5 23.0 42.8



#5

Vinyl chloride

Concen: 229.856 ug/L

RT: 1.105 min Scan# 20

Delta R.T. -0.177 min

Lab File: VV035469.D

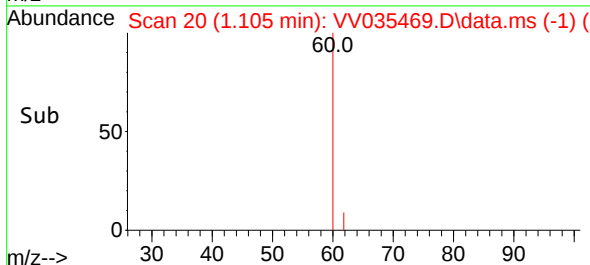
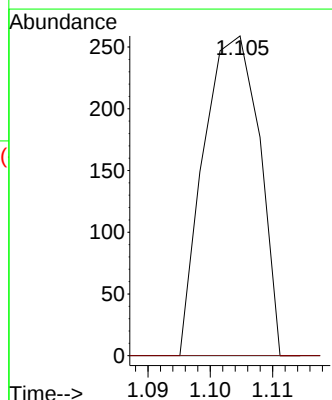
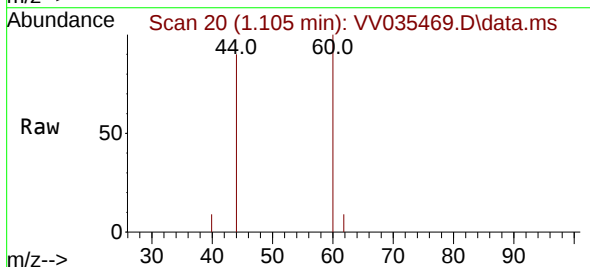
Acq: 29 Apr 2024 14:33

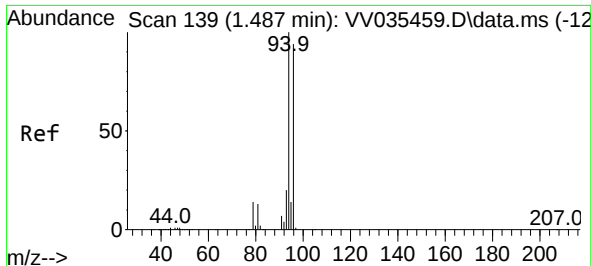
Tgt Ion: 62 Resp: 161

Ion Ratio Lower Upper

62 100

64 0.0 23.2 43.2#

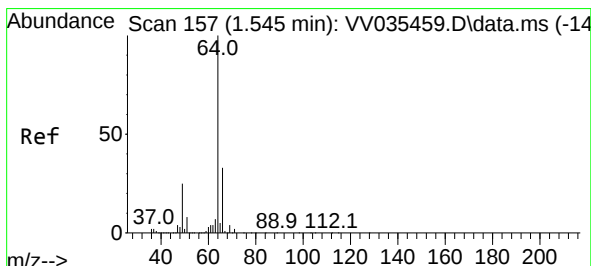
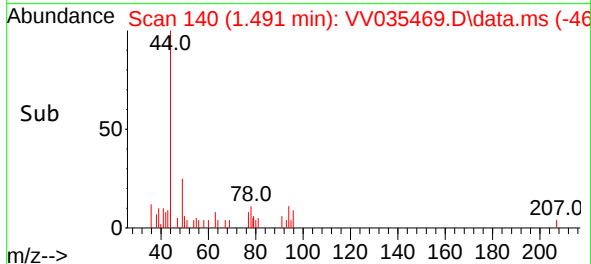
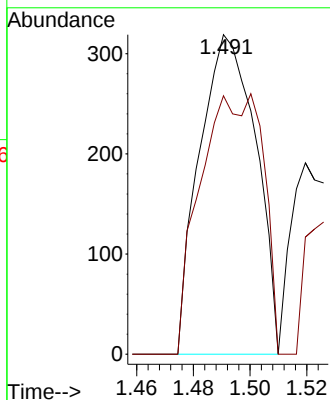
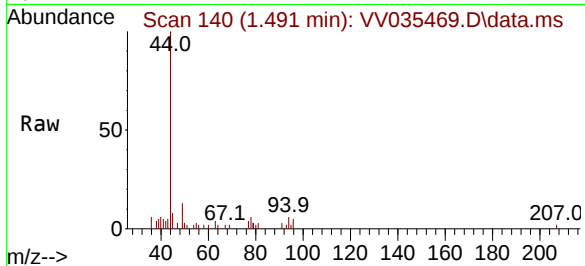




#6
Bromomethane
Concen: 1070.144 ug/L
RT: 1.491 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV035469.D
Acq: 29 Apr 2024 14:33

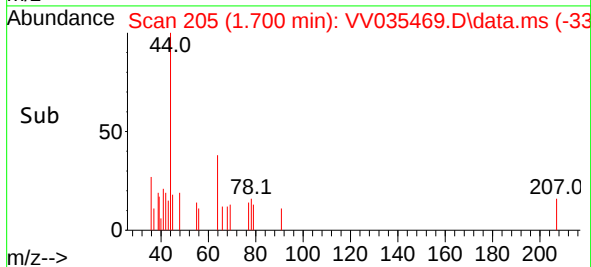
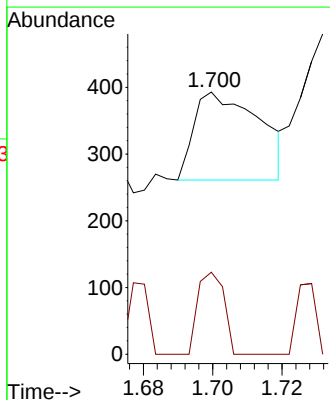
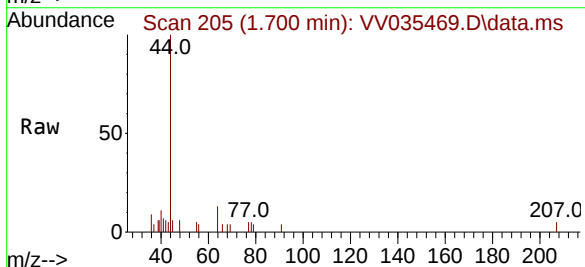
Instrument :
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C0RQ8

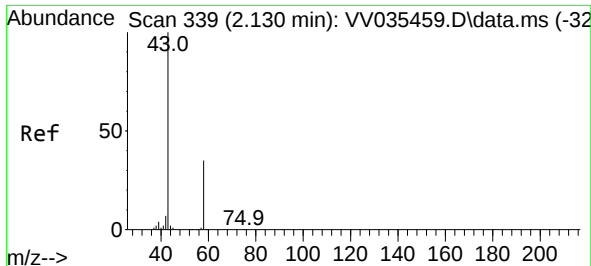
Tgt Ion: 94 Resp: 439
Ion Ratio Lower Upper
94 100
96 80.9 66.1 122.7



#8
Chloroethane
Concen: 556.255 ug/L
RT: 1.700 min Scan# 205
Delta R.T. 0.154 min
Lab File: VV035469.D
Acq: 29 Apr 2024 14:33

Tgt Ion: 64 Resp: 172
Ion Ratio Lower Upper
64 100
66 31.3 22.9 42.5





#13

Acetone

Concen: 9595.934 ug/L

RT: 2.130 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV035469.D

Acq: 29 Apr 2024 14:33

Instrument :

MSVOA_V

ClientSampleId :

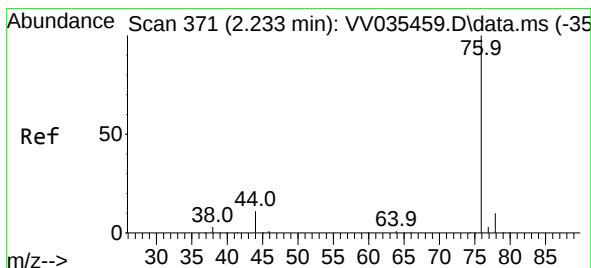
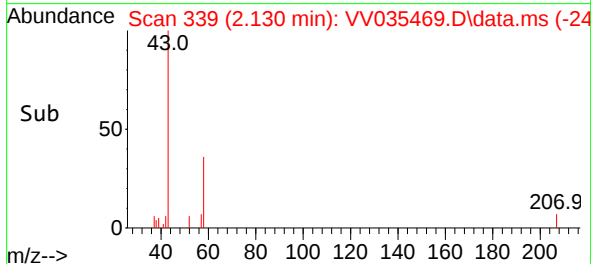
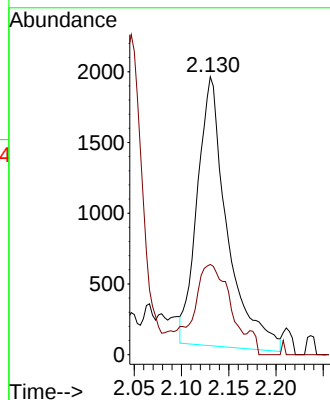
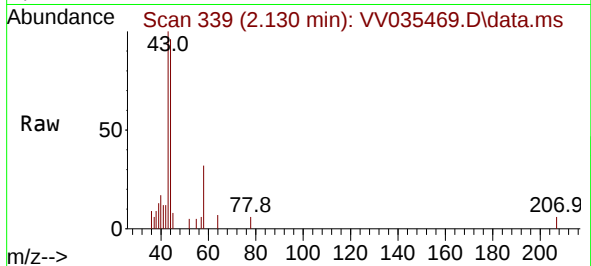
C0RQ8

Tgt Ion: 43 Resp: 4180

Ion Ratio Lower Upper

43 100

58 16.6 0.0 65.8



#14

Carbon disulfide

Concen: 2765.934 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.007 min

Lab File: VV035469.D

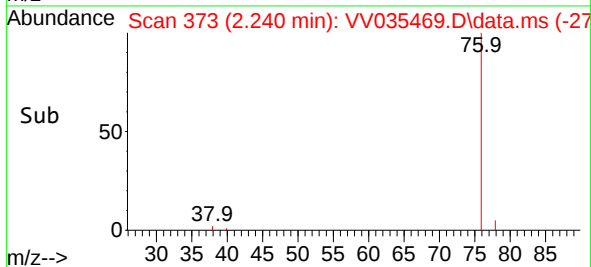
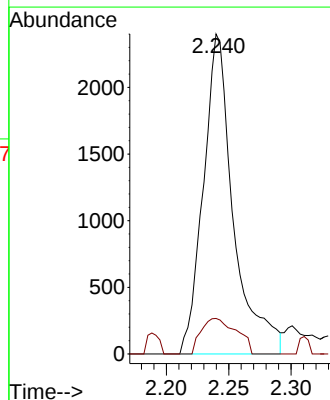
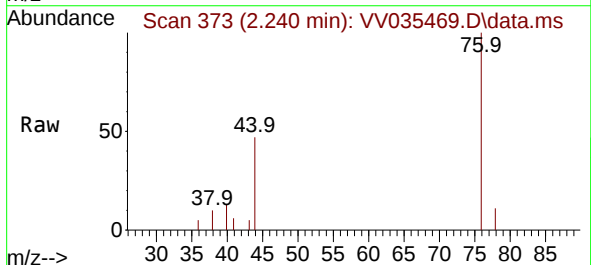
Acq: 29 Apr 2024 14:33

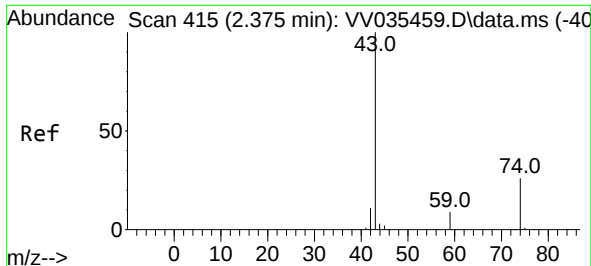
Tgt Ion: 76 Resp: 4040

Ion Ratio Lower Upper

76 100

78 11.1 7.4 11.0#

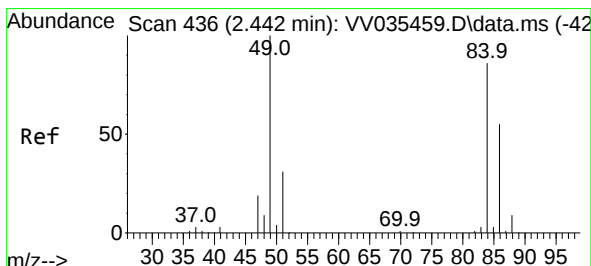
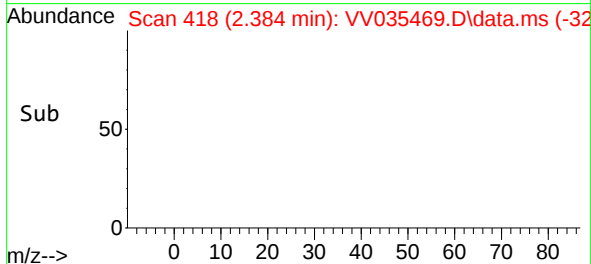
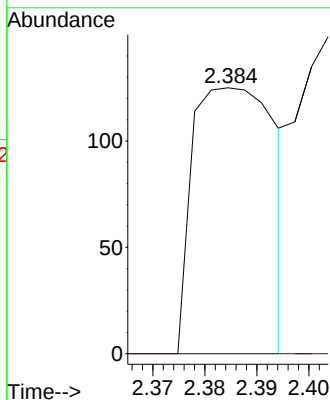
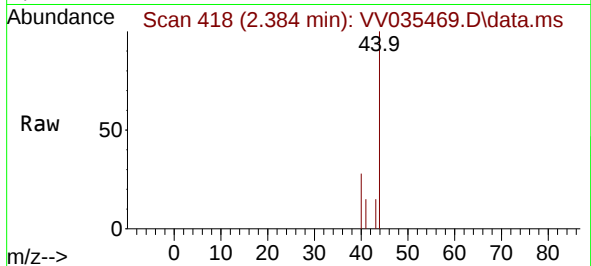




#15
Methyl Acetate
Concen: 207.383 ug/L
RT: 2.384 min Scan# 415
Delta R.T. 0.010 min
Lab File: VV035469.D
Acq: 29 Apr 2024 14:33

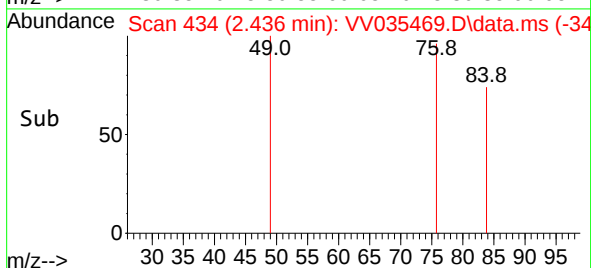
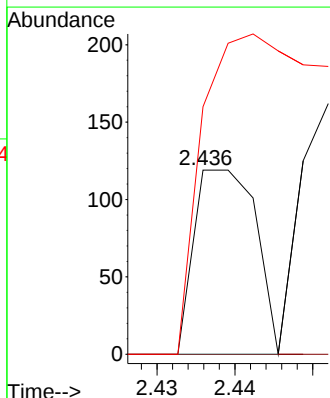
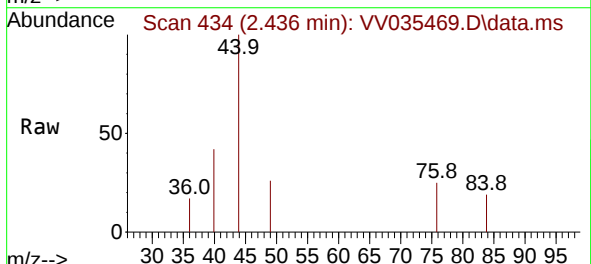
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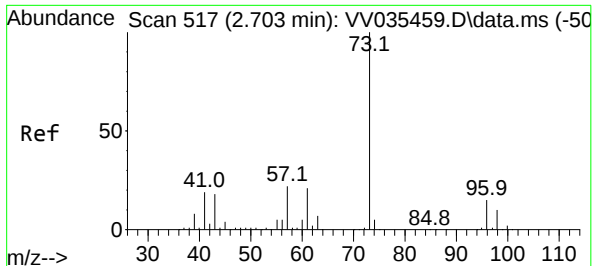
Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#16
Methylene chloride
Concen: 97.737 ug/L
RT: 2.436 min Scan# 434
Delta R.T. -0.006 min
Lab File: VV035469.D
Acq: 29 Apr 2024 14:33

Tgt Ion: 84 Resp: 65
Ion Ratio Lower Upper
84 100
86 0.0 45.1 83.9#
49 134.5 82.3 152.8

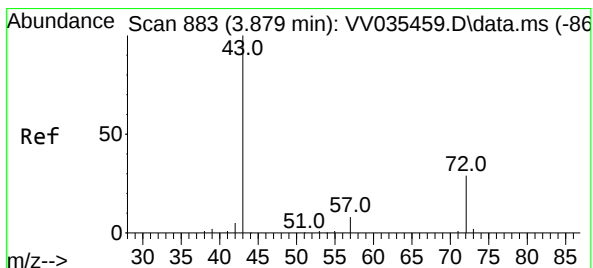
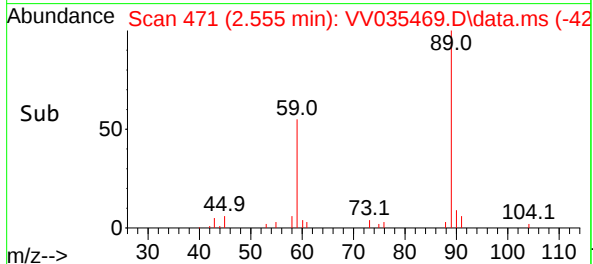
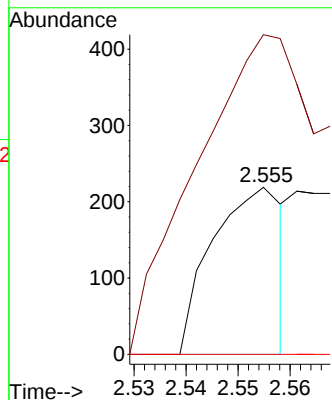
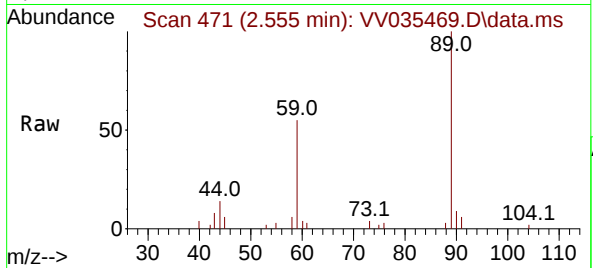




#18
Methyl tert-butyl Ether
Concen: 107.664 ug/L
RT: 2.555 min Scan# 41
Delta R.T. -0.148 min
Lab File: VV035469.D
Acq: 29 Apr 2024 14:33

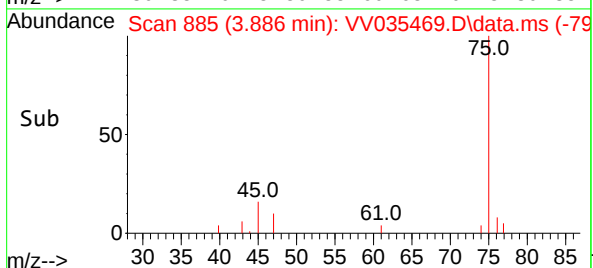
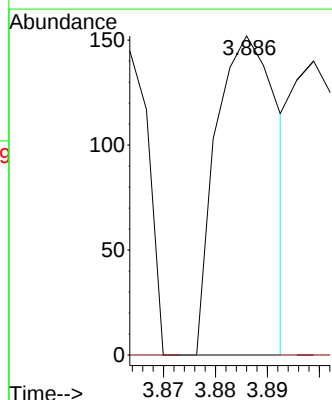
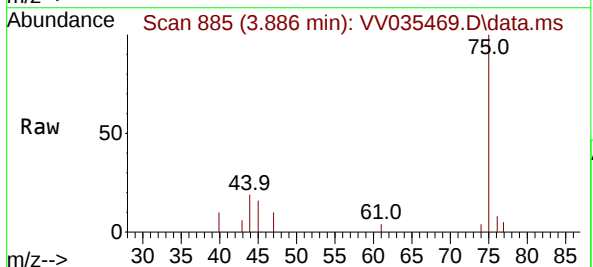
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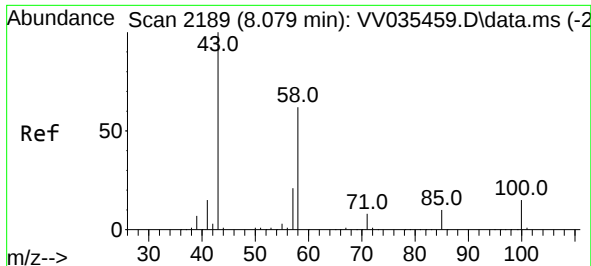
Tgt Ion: 73 Resp: 205
Ion Ratio Lower Upper
73 100
43 301.0 13.9 20.9#
57 0.0 17.4 26.0#



#22
2-Butanone
Concen: 257.314 ug/L
RT: 3.886 min Scan# 885
Delta R.T. 0.007 min
Lab File: VV035469.D
Acq: 29 Apr 2024 14:33

Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
72 0.0 13.8 41.4#





#48

2-Hexanone

Concen: 33.786 ug/L

RT: 8.153 min Scan# 2189

Delta R.T. 0.074 min

Lab File: VV035469.D

Acq: 29 Apr 2024 14:33

Instrument :

MSVOA_V

ClientSampleId :

C0RQ8

Tgt Ion: 43 Resp: 257

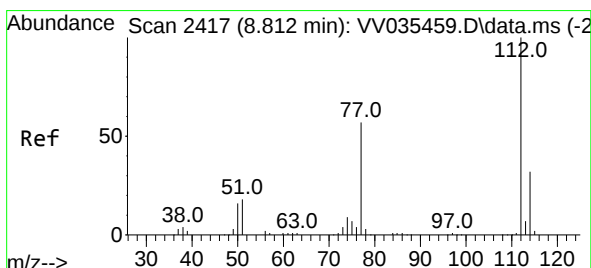
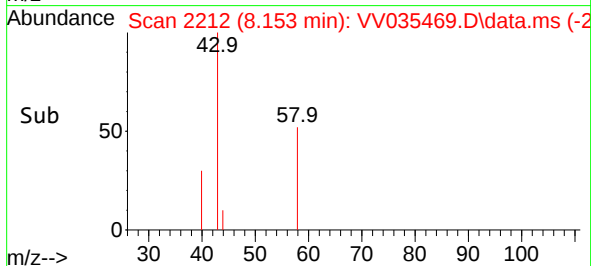
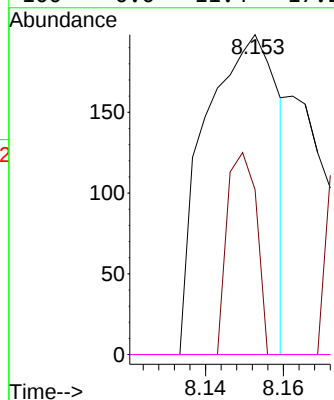
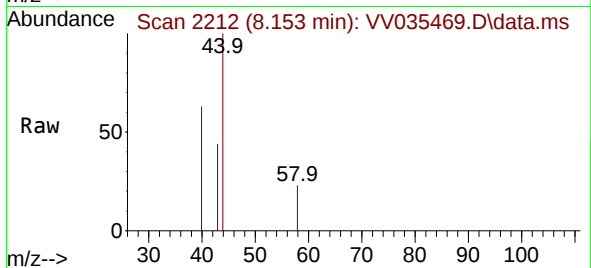
Ion Ratio Lower Upper

43 100

58 25.7 49.4 74.0#

57 0.0 17.1 25.7#

100 0.0 11.4 17.2#



#51

Chlorobenzene

Concen: 1843.327 ug/L

RT: 8.822 min Scan# 2420

Delta R.T. 0.010 min

Lab File: VV035469.D

Acq: 29 Apr 2024 14:33

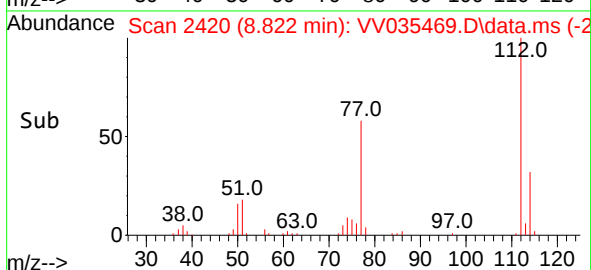
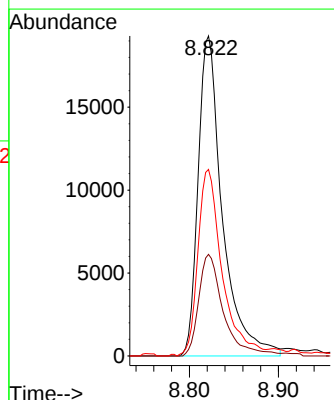
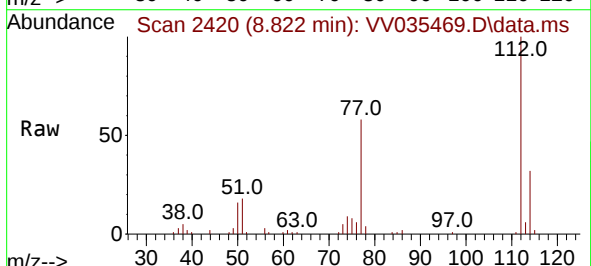
Tgt Ion: 112 Resp: 36557

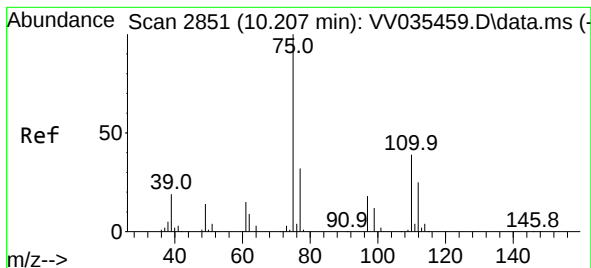
Ion Ratio Lower Upper

112 100

114 31.8 22.4 41.6

77 58.3 45.6 68.4





#61

1,2,3-Trichloropropane

Concen: 77.665 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.920 min

Lab File: VV035469.D

Acq: 29 Apr 2024 14:33

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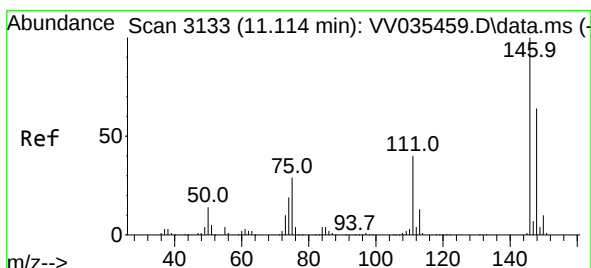
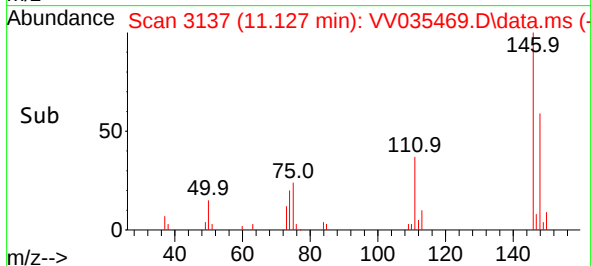
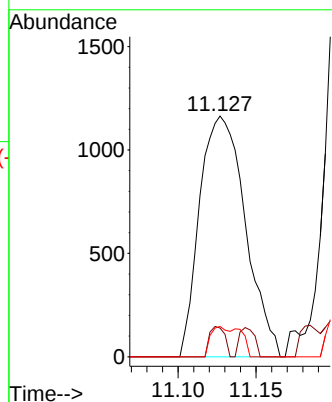
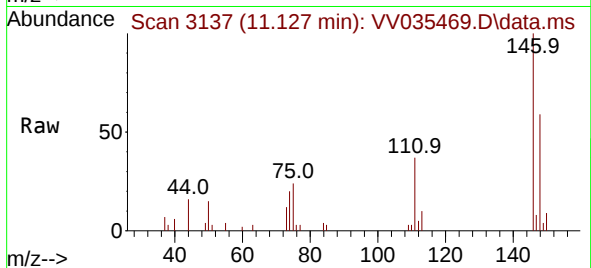
Tgt Ion: 75 Resp: 2371

Ion Ratio Lower Upper

75 100

77 4.2 25.3 37.9#

110 5.2 31.2 46.8#



#64

1,3-Dichlorobenzene

Concen: 170.466 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.013 min

Lab File: VV035469.D

Acq: 29 Apr 2024 14:33

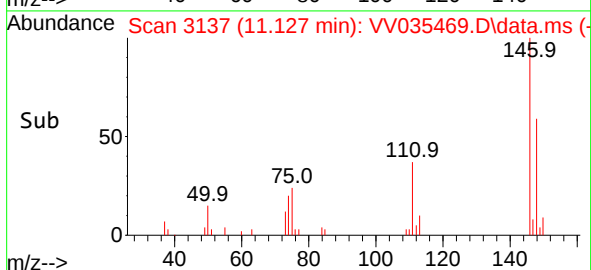
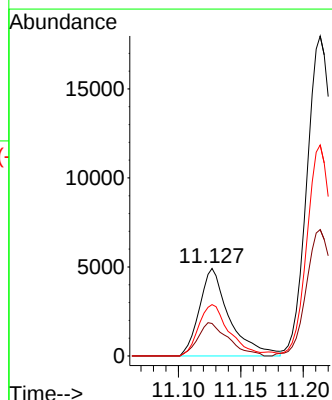
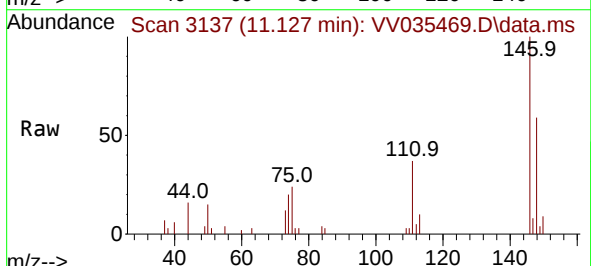
Tgt Ion:146 Resp: 8263

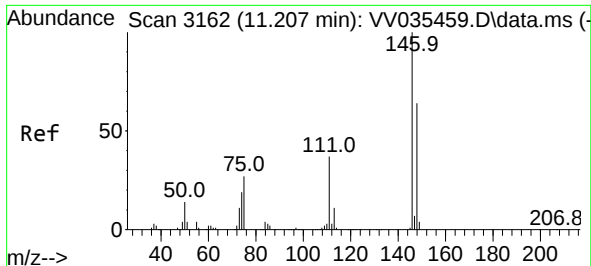
Ion Ratio Lower Upper

146 100

111 37.0 27.0 50.2

148 58.8 44.2 82.2

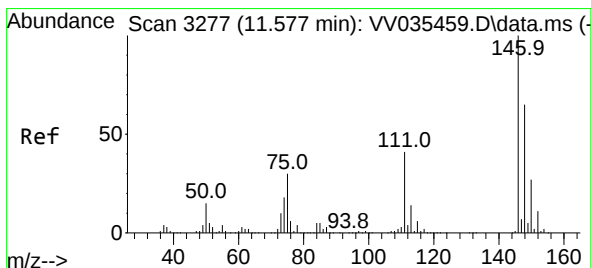
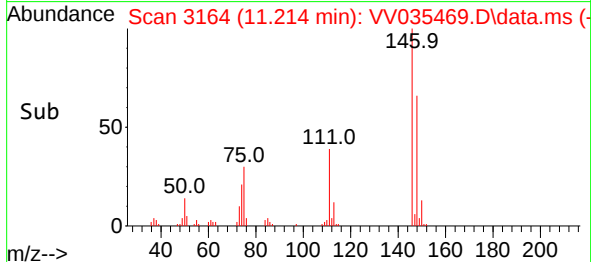
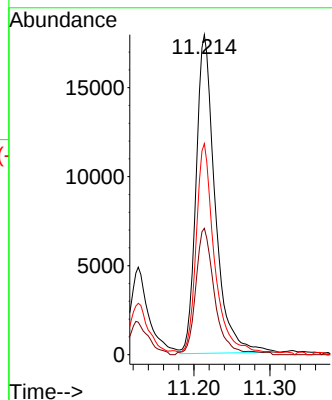
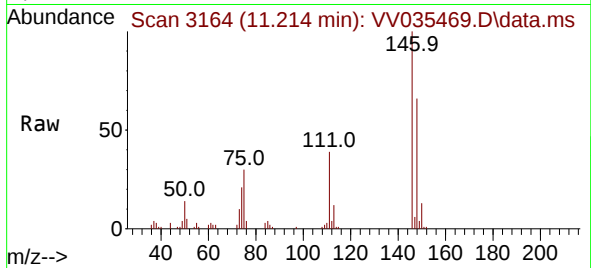




#65
1,4-Dichlorobenzene
Concen: 611.918 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.007 min
Lab File: VV035469.D
Acq: 29 Apr 2024 14:33

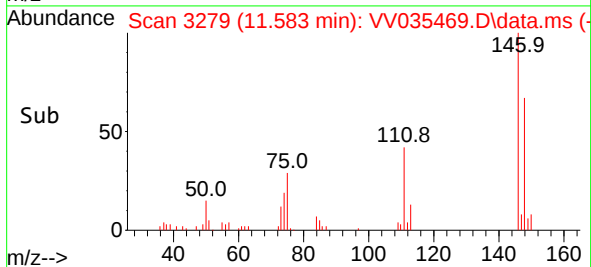
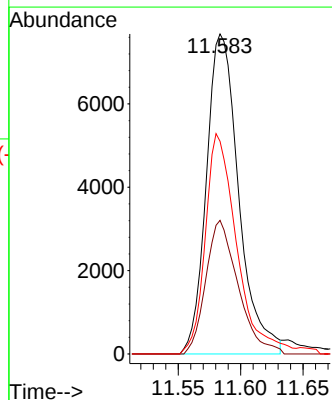
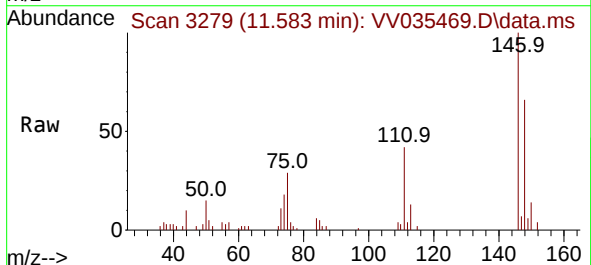
Instrument :
MSVOA_V
ClientSampleId :
C0RQ8

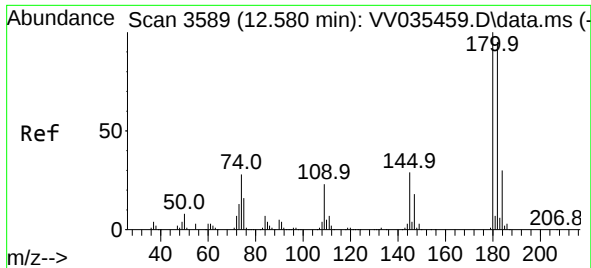
Tgt Ion:146 Resp: 31112
Ion Ratio Lower Upper
146 100
111 39.5 26.5 49.1
148 65.9 45.0 83.6



#67
1,2-Dichlorobenzene
Concen: 282.496 ug/L
RT: 11.583 min Scan# 3279
Delta R.T. 0.007 min
Lab File: VV035469.D
Acq: 29 Apr 2024 14:33

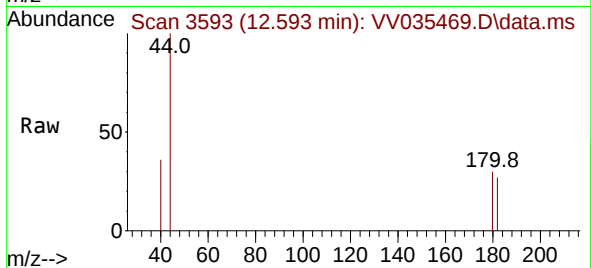
Tgt Ion:146 Resp: 13874
Ion Ratio Lower Upper
146 100
111 41.8 33.3 49.9
148 66.5 52.2 78.2



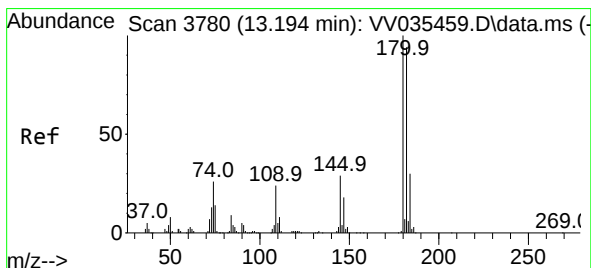
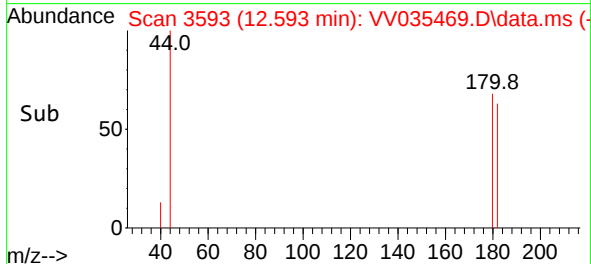
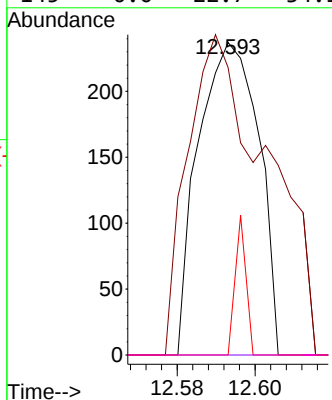


#69
 1,3,5-Trichlorobenzene
 Concen: 7.425 ug/L
 RT: 12.593 min Scan# 3593
 Delta R.T. 0.013 min
 Lab File: VV035469.D
 Acq: 29 Apr 2024 14:33

Instrument :
 MSVOA_V
 ClientSampleId :
 C0RQ8

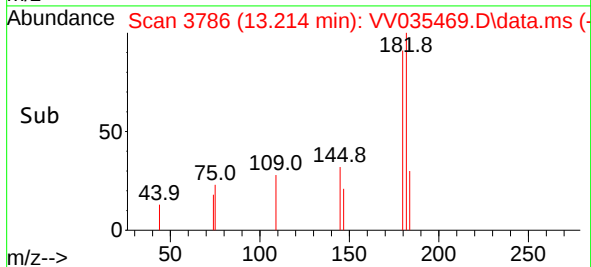
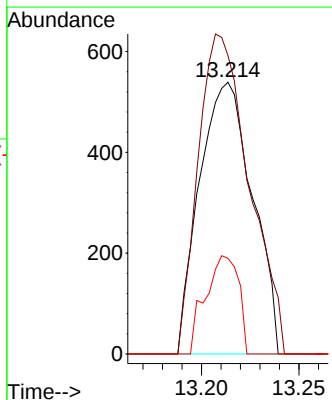
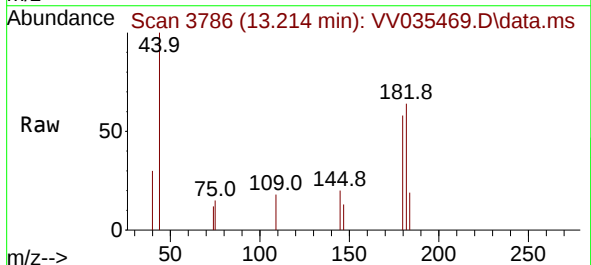


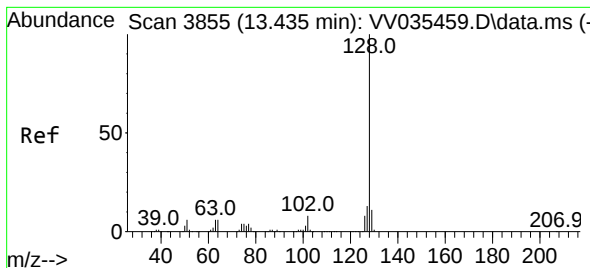
Tgt Ion:180 Resp: 255
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.2 114.2
 184 0.0 23.8 35.6#
 145 0.0 22.7 34.1#



#70
 1,2,4-trichlorobenzene
 Concen: 37.375 ug/L
 RT: 13.214 min Scan# 3786
 Delta R.T. 0.019 min
 Lab File: VV035469.D
 Acq: 29 Apr 2024 14:33

Tgt Ion:180 Resp: 1019
 Ion Ratio Lower Upper
 180 100
 182 113.1 75.1 112.7#
 145 18.5 23.2 34.8#





#71

Naphthalene

Concen: 10.054 ug/L

RT: 13.464 min Scan# 3864

Delta R.T. 0.029 min

Lab File: VV035469.D

Acq: 29 Apr 2024 14:33

Instrument :

MSVOA_V

ClientSampleId :

C0RQ8

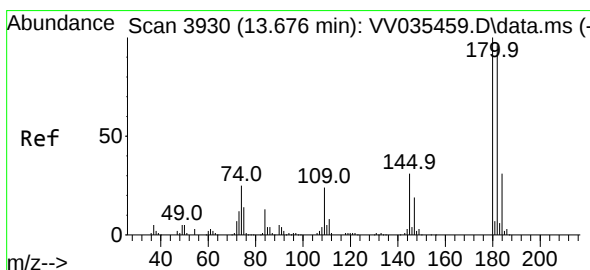
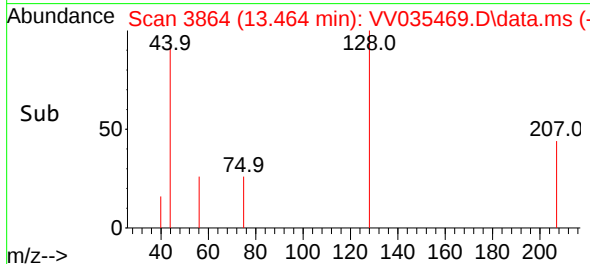
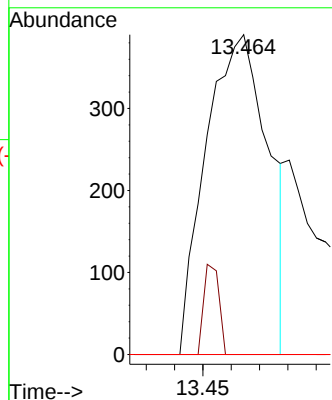
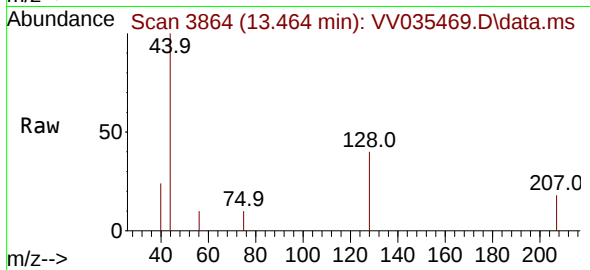
Tgt Ion:128 Resp: 598

Ion Ratio Lower Upper

128 100

127 6.9 10.5 15.7#

129 0.0 8.6 12.8#



#72

1,2,3-Trichlorobenzene

Concen: 21.945 ug/L

RT: 13.693 min Scan# 3935

Delta R.T. 0.016 min

Lab File: VV035469.D

Acq: 29 Apr 2024 14:33

Tgt Ion:180 Resp: 583

Ion Ratio Lower Upper

180 100

182 90.1 76.6 115.0

145 0.0 24.7 37.1#

