

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121124\
 Data File : VW031207.D
 Acq On : 11 Dec 2024 12:30
 Operator : SY/MD
 Sample : P5155-01
 Misc : 8.34g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 12 03:02:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 12 03:01:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.947	114	520	25.000	ug/L	0.11
28) Chlorobenzene-d5	11.629	117	280020	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	117104	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	96070	12005.315	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 48021.240%#		
7) Chloroethane-d5	2.899	69	85264	13733.415	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 54933.680%#		
11) 1,1-Dichloroethene-d2	4.015	65	44794	12269.089	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	= 49076.360%#		
21) 2-Butanone-d5	7.094	46	42920	30668.114	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 61336.220%#		
24) Chloroform-d	7.642	84	229260	15053.072	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	= 60212.280%#		
26) 1,2-Dichloroethane-d4	8.215	65	107	14.278	ug/L	-0.09
Spiked Amount	25.000	Range 70 - 130	Recovery	= 57.120%#		
32) Benzene-d6	8.270	84	378483	21.991	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	= 87.960%		
36) 1,2-Dichloropropane-d6	9.270	67	140105	27.791	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	= 111.160%		
41) Toluene-d8	10.319	98	324264	20.877	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	= 83.520%		
43) trans-1,3-Dichloroprop...	10.575	79	51717	25.481	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	= 101.920%		
47) 2-Hexanone-d5	10.922	63	30094	50.951	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 101.900%		
56) 1,1,2,2-Tetrachloroeth...	12.684	84	102154	30.025	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	= 120.080%#		
66) 1,2-Dichlorobenzene-d4	13.842	152	109105	26.231	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	= 104.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.156	85	67	10.203	ug/L	# 1
3) Chloromethane	2.351	50	339	43.772	ug/L	99
5) Vinyl chloride	2.369	62	548	58.905	ug/L	# 1
6) Bromomethane	2.790	94	72	12.171	ug/L	86
8) Chloroethane	2.930	64	161	28.933	ug/L	86
9) Trichlorofluoromethane	3.247	101	31	3.167	ug/L	# 19
10) 1,1,2-Trichloro-1,2,2-...	4.094	101	56	7.530	ug/L	# 1
12) 1,1-Dichloroethene	4.052	96	20	2.708	ug/L	# 1
13) Acetone	4.113	43	238	94.459	ug/L	65
14) Carbon disulfide	4.375	76	184	7.597	ug/L	# 74
15) Methyl Acetate	4.936	43	85	32.150	ug/L	98
16) Methylene chloride	4.905	84	764	101.514	ug/L	87
17) trans-1,2-Dichloroethene	5.454	96	80	10.191	ug/L	# 1
18) Methyl tert-butyl Ether	5.429	73	24	2.185	ug/L	# 1
19) 1,1-Dichloroethane	6.228	63	65	4.502	ug/L	# 22
20) cis-1,2-Dichloroethene	7.179	96	22	2.668	ug/L	# 1
22) 2-Butanone	7.240	43	180	76.016	ug/L	81
23) Bromochloromethane	7.502	128	40	11.425	ug/L	# 1
25) Chloroform	7.551	83	95	6.326	ug/L	79

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 12 03:01:22 2024
Response via : Initial Calibration

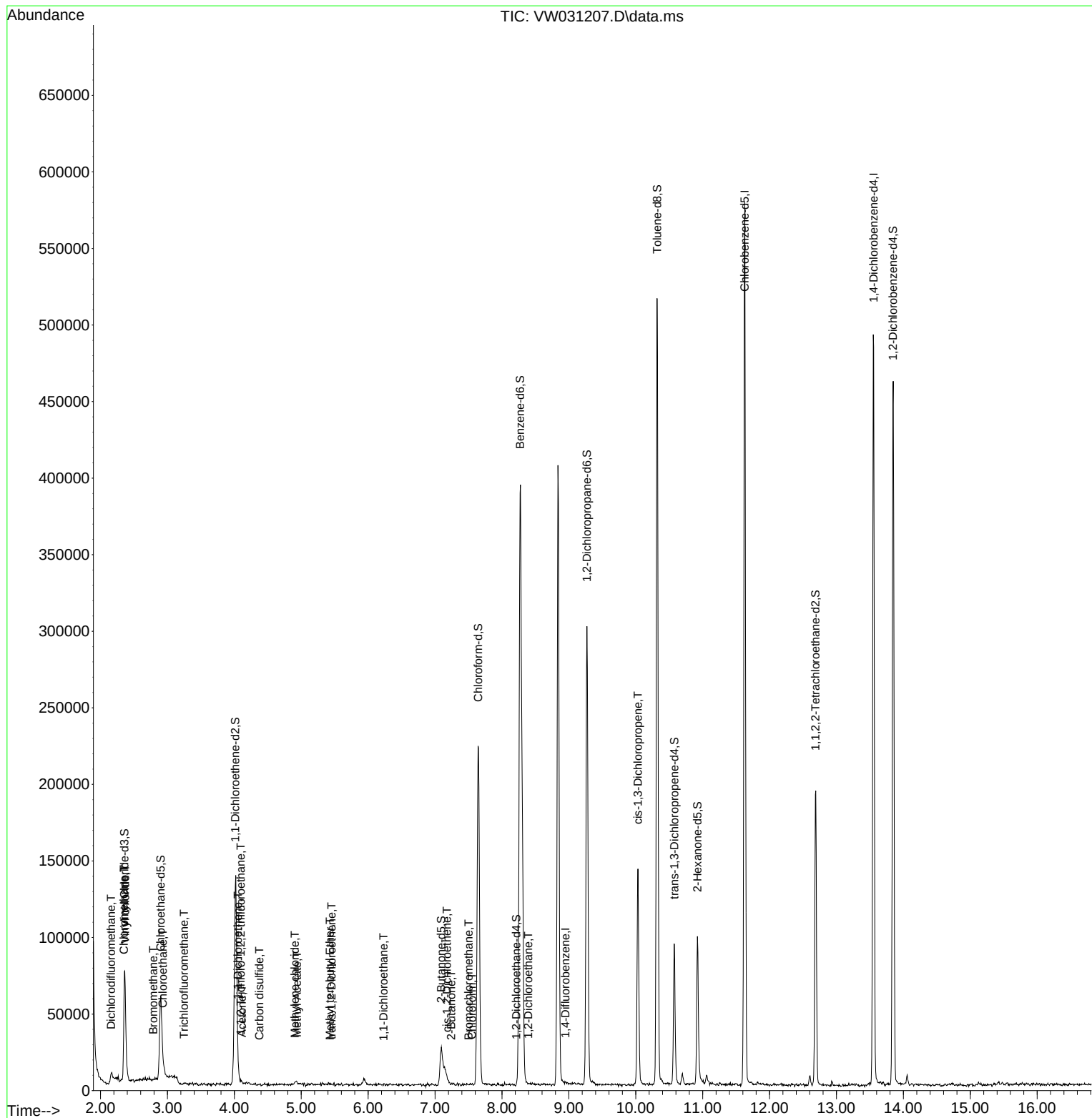
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.392	62	49	5.297	ug/L #	9
39) cis-1,3-Dichloropropene	10.032	75	3849	0.541	ug/L	84

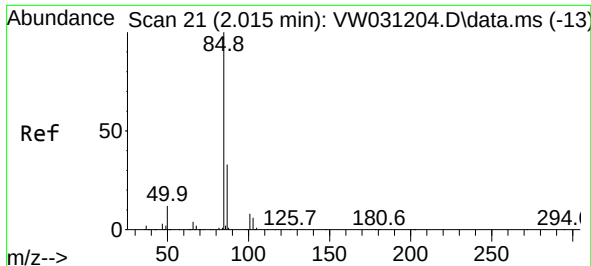
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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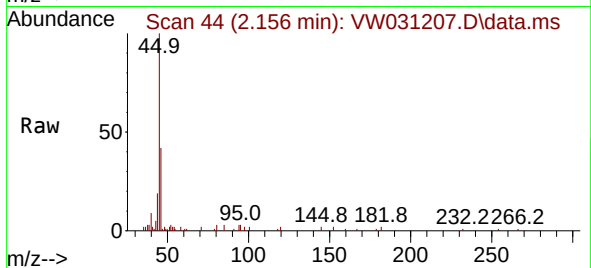
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Quant Title : SFAM01.0
QLast Update : Thu Dec 12 03:01:22 2024
Response via : Initial Calibration



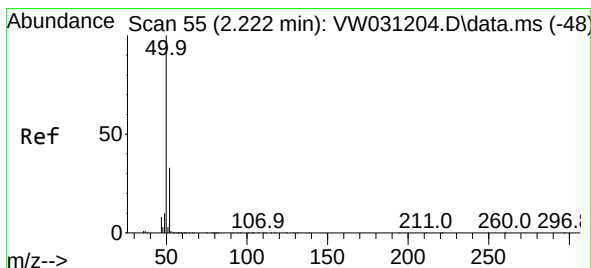
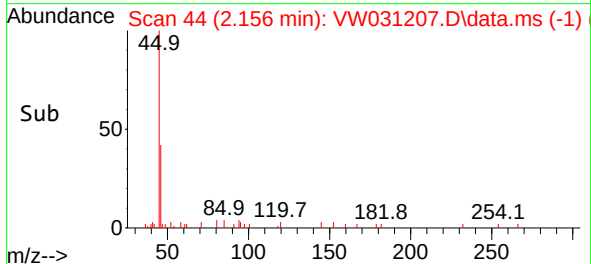
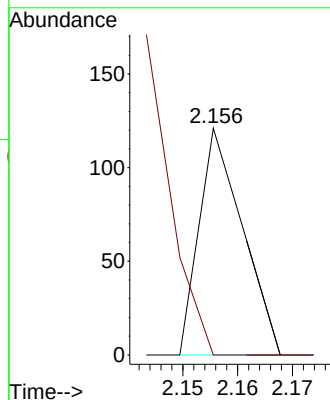


#2
Dichlorodifluoromethane
Concen: 10.203 ug/L
RT: 2.156 min Scan# 44
Delta R.T. 0.140 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

Instrument :
MSVOA_W
ClientSampleId :

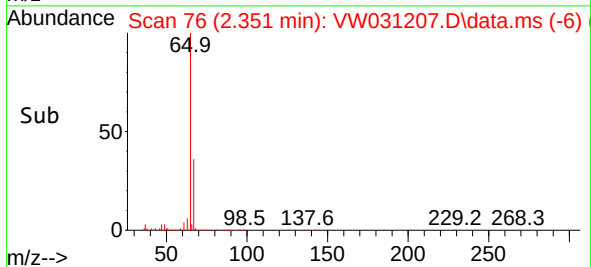
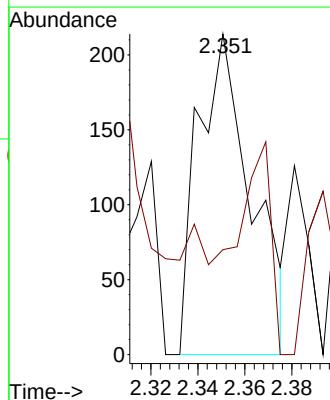
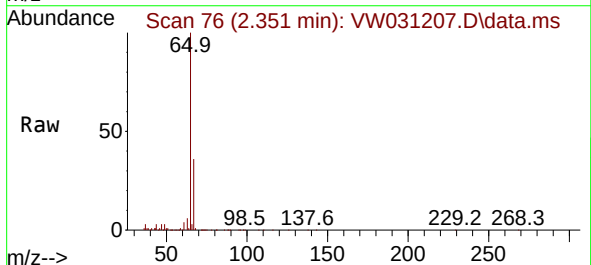


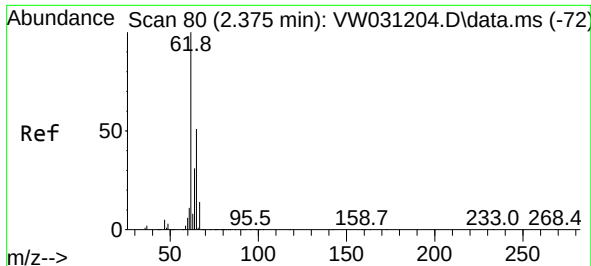
Tgt Ion: 85 Resp: 67
Ion Ratio Lower Upper
85 100
87 122.4 23.8 35.6#



#3
Chloromethane
Concen: 43.772 ug/L
RT: 2.351 min Scan# 76
Delta R.T. 0.128 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

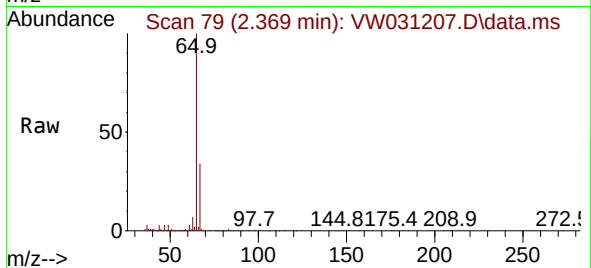
Tgt Ion: 50 Resp: 339
Ion Ratio Lower Upper
50 100
52 32.7 23.4 43.6



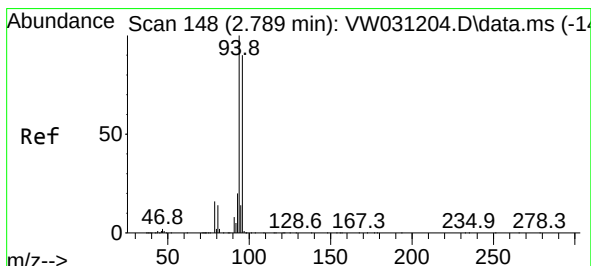
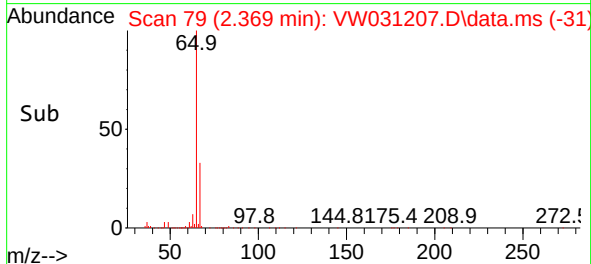
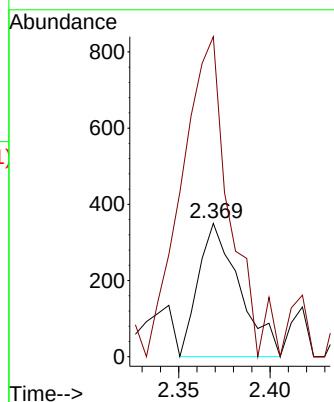


#5
 Vinyl chloride
 Concen: 58.905 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VW031207.D
 Acq: 11 Dec 2024 12:30

Instrument :
 MSVOA_W
 ClientSampleId :

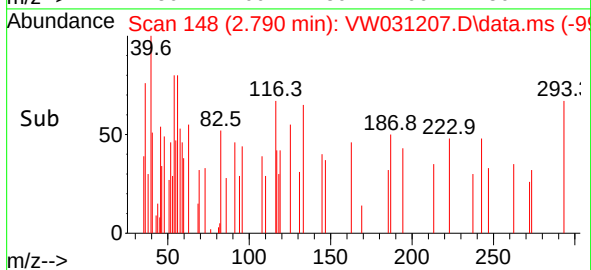
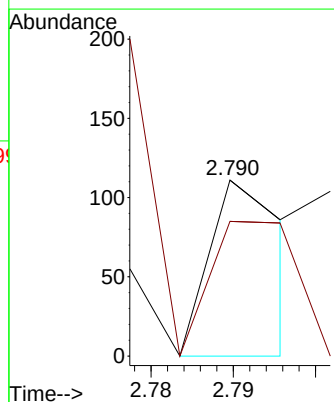
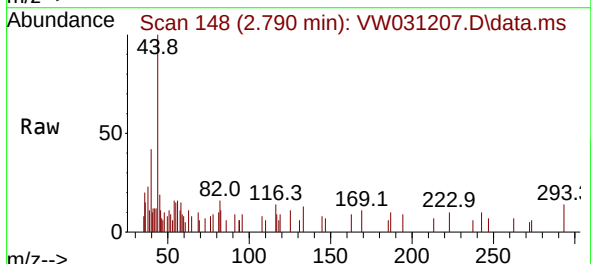


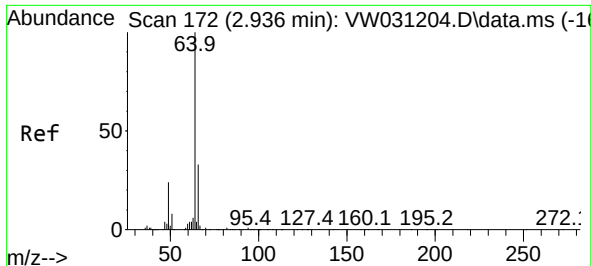
Tgt Ion: 62 Resp: 548
 Ion Ratio Lower Upper
 62 100
 64 240.0 22.7 42.1#



#6
 Bromomethane
 Concen: 12.171 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW031207.D
 Acq: 11 Dec 2024 12:30

Tgt Ion: 94 Resp: 72
 Ion Ratio Lower Upper
 94 100
 96 76.6 62.6 116.3

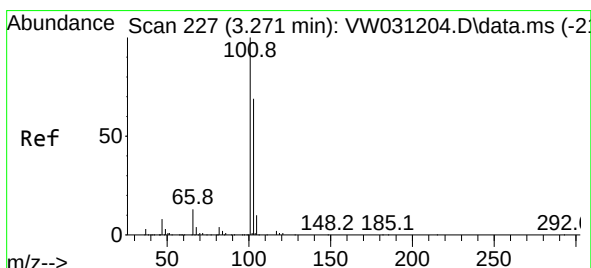
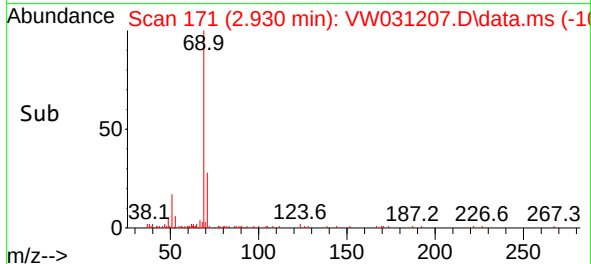
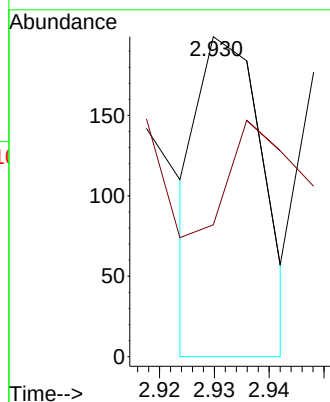
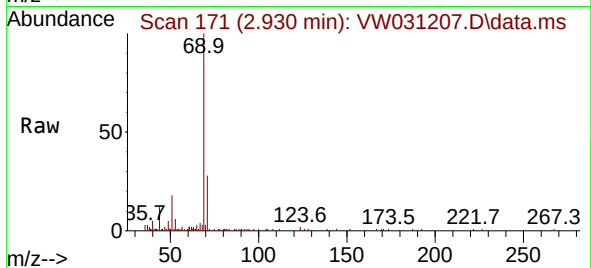




#8
Chloroethane
Concen: 28.933 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

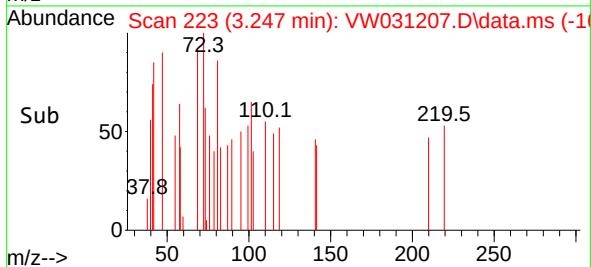
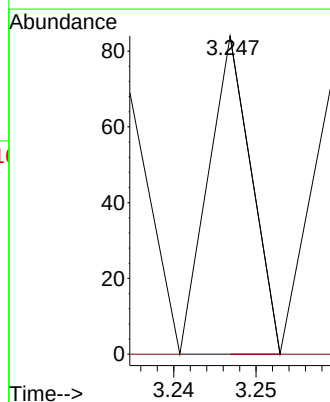
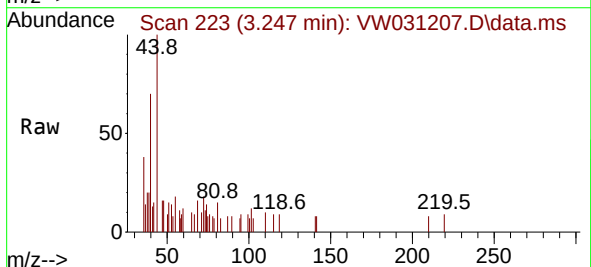
Instrument :
MSVOA_W
ClientSampleId :

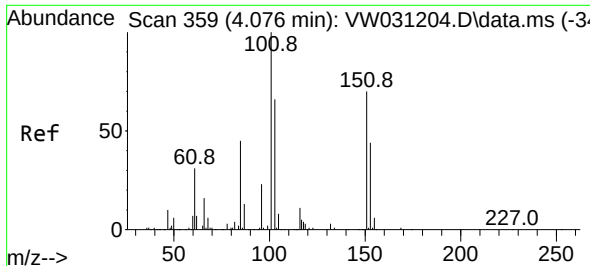
Tgt Ion: 64 Resp: 161
Ion Ratio Lower Upper
64 100
66 41.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 3.167 ug/L
RT: 3.247 min Scan# 223
Delta R.T. -0.024 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

Tgt Ion: 101 Resp: 31
Ion Ratio Lower Upper
101 100
103 0.0 50.7 76.1#

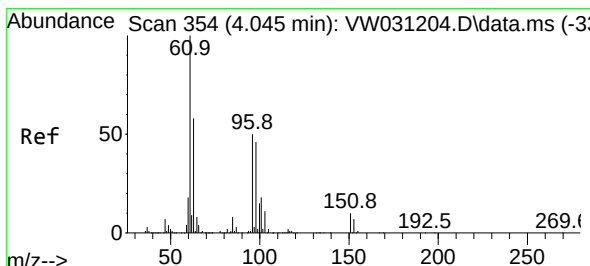
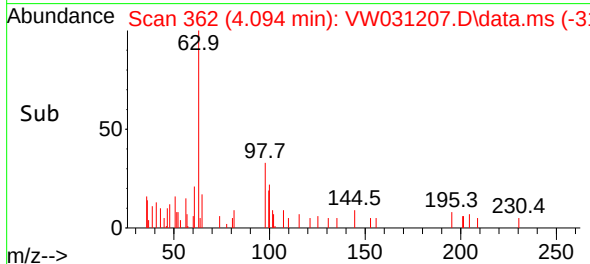
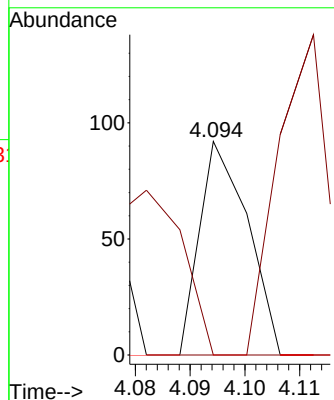
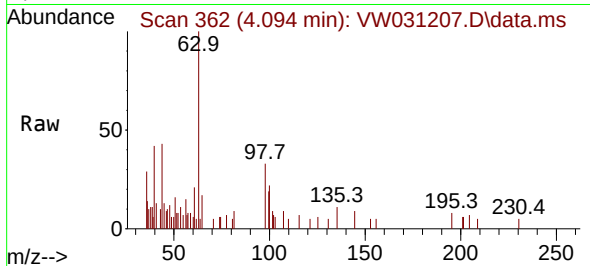




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 7.530 ug/L
 RT: 4.094 min Scan# 30
 Delta R.T. 0.018 min
 Lab File: VW031207.D
 Acq: 11 Dec 2024 12:30

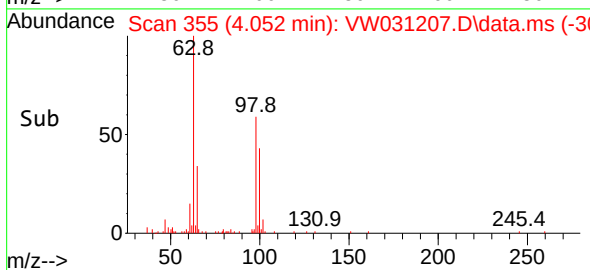
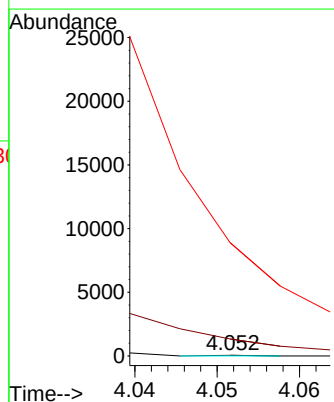
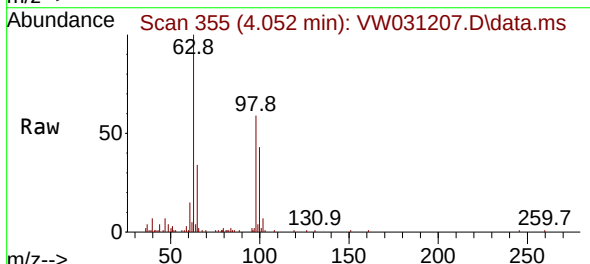
Instrument :
 MSVOA_W
 ClientSampleId :

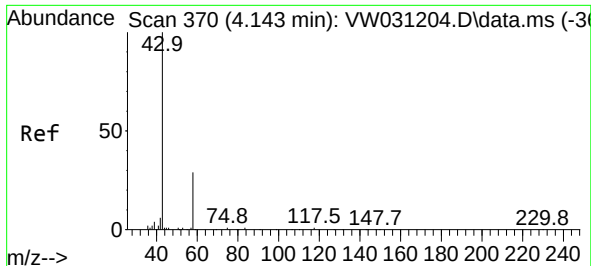
Tgt Ion:101 Resp: 56
 Ion Ratio Lower Upper
 101 100
 85 123.2 33.9 50.9#
 151 0.0 61.8 92.6#



#12
 1,1-Dichloroethene
 Concen: 2.708 ug/L
 RT: 4.052 min Scan# 355
 Delta R.T. 0.006 min
 Lab File: VW031207.D
 Acq: 11 Dec 2024 12:30

Tgt Ion: 96 Resp: 20
 Ion Ratio Lower Upper
 96 100
 61 2427.3 113.5 210.9#
 63 16178.2 73.8 137.2#

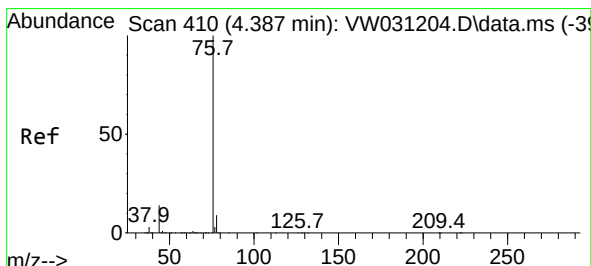
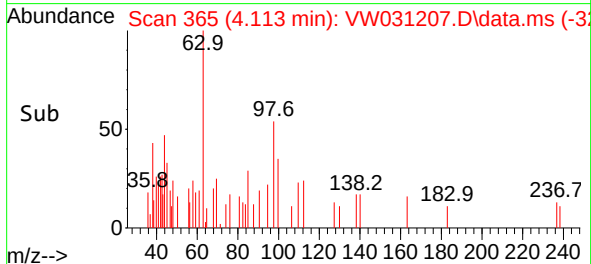
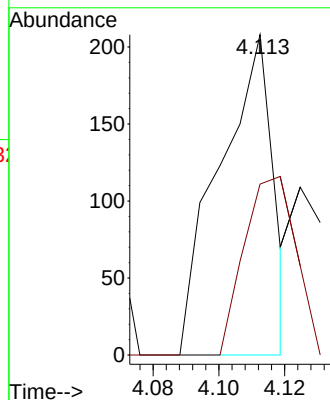
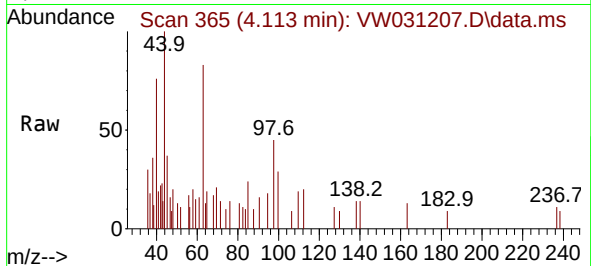




#13
Acetone
Concen: 94.459 ug/L
RT: 4.113 min Scan# 30
Delta R.T. -0.030 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

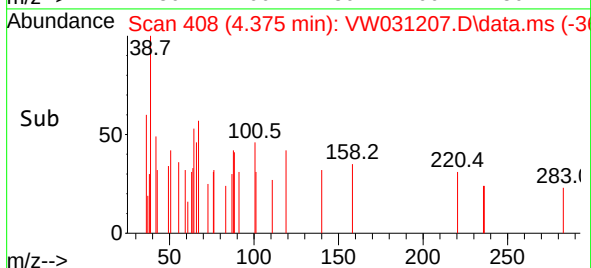
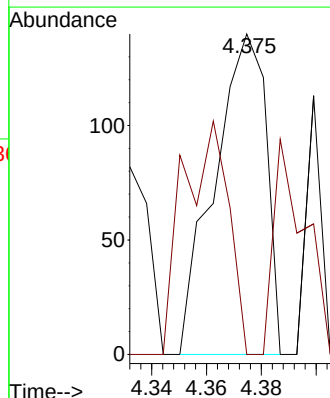
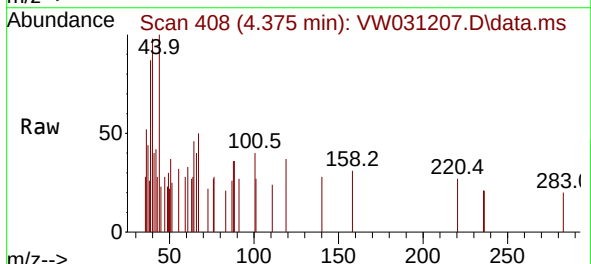
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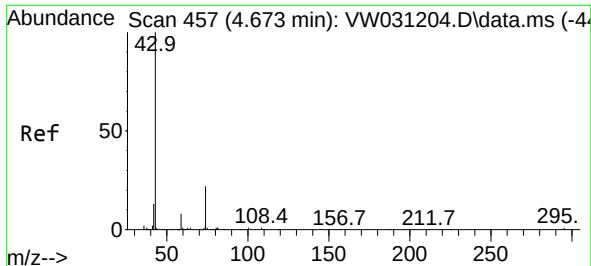
Tgt Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
58 53.4 0.0 67.2



#14
Carbon disulfide
Concen: 7.597 ug/L
RT: 4.375 min Scan# 408
Delta R.T. -0.012 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

Tgt Ion: 76 Resp: 184
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

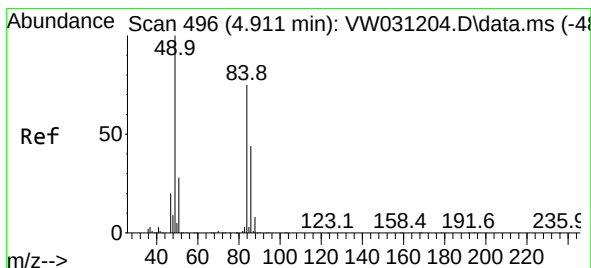
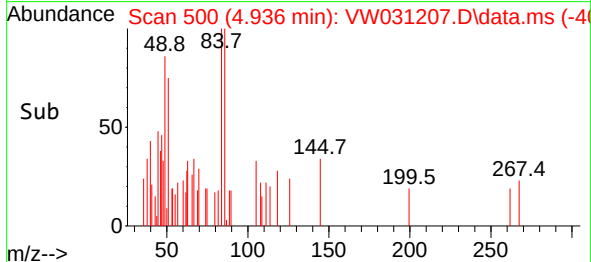
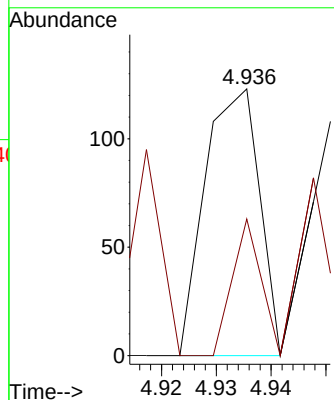
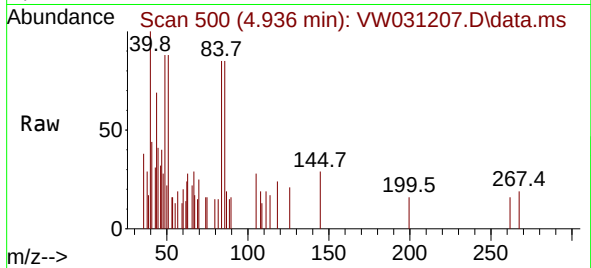




#15
Methyl Acetate
Concen: 32.150 ug/L
RT: 4.936 min Scan# 50
Delta R.T. 0.262 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

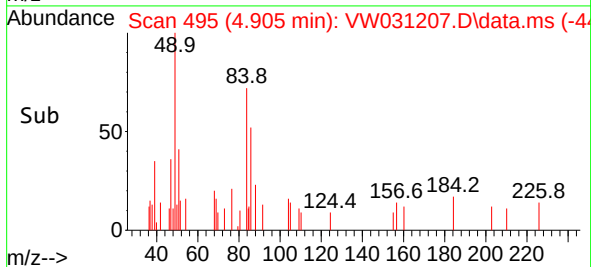
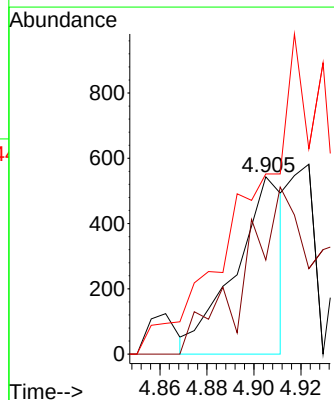
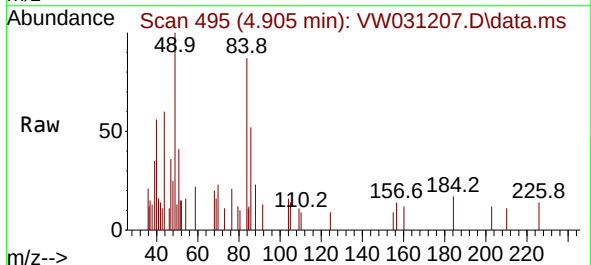
Instrument :
MSVOA_W
ClientSampleId :

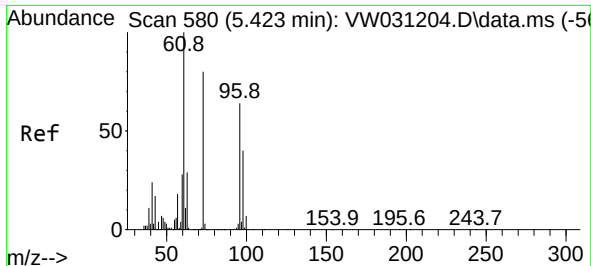
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
74 27.1 20.8 31.2



#16
Methylene chloride
Concen: 101.514 ug/L
RT: 4.905 min Scan# 495
Delta R.T. -0.006 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

Tgt Ion: 84 Resp: 764
Ion Ratio Lower Upper
84 100
86 53.0 44.9 83.5
49 101.7 79.9 148.5

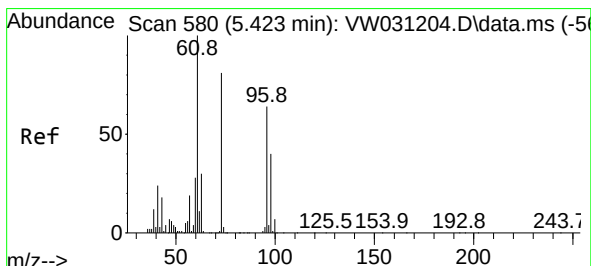
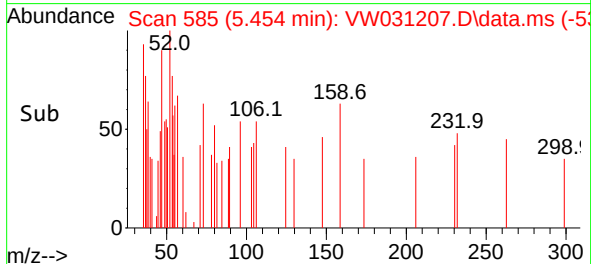
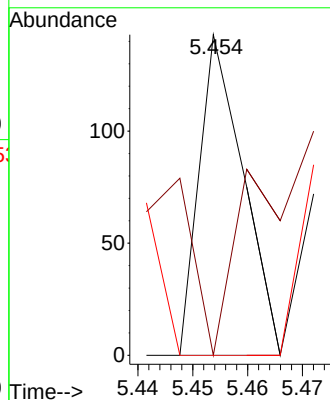
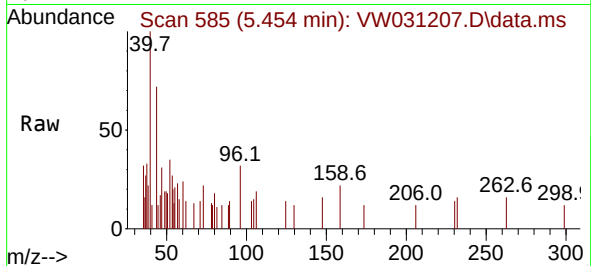




#17
trans-1,2-Dichloroethene
Concen: 10.191 ug/L
RT: 5.454 min Scan# 585
Delta R.T. 0.031 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

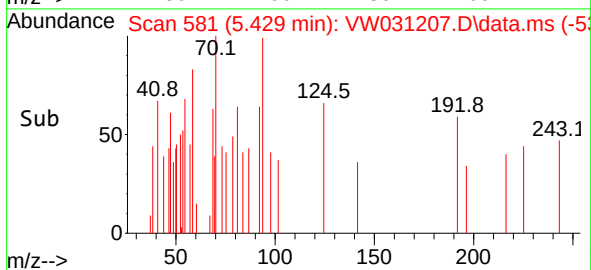
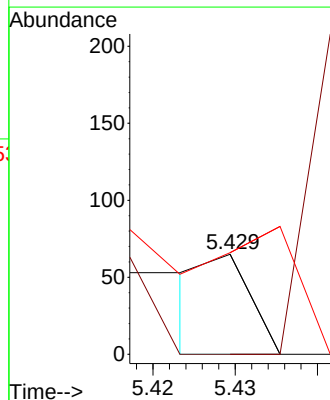
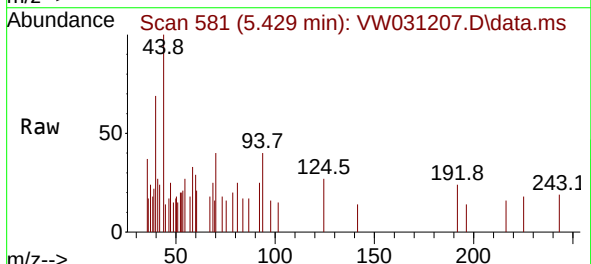
Instrument :
MSVOA_W
ClientSampleId :

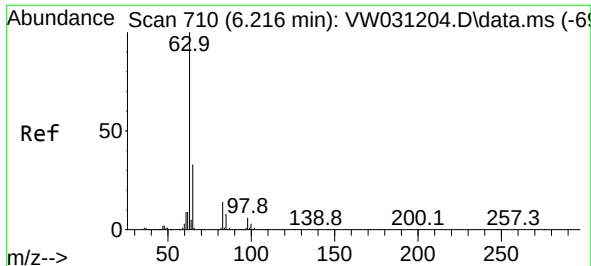
Tgt Ion: 96 Resp: 80
Ion Ratio Lower Upper
96 100
61 0.0 92.7 172.3#
98 0.0 44.4 82.4#



#18
Methyl tert-butyl Ether
Concen: 2.185 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

Tgt Ion: 73 Resp: 24
Ion Ratio Lower Upper
73 100
43 0.0 15.4 23.0#
57 225.0 17.6 26.4#





#19

1,1-Dichloroethane

Concen: 4.502 ug/L

RT: 6.228 min Scan# 710

Delta R.T. 0.012 min

Lab File: VW031207.D

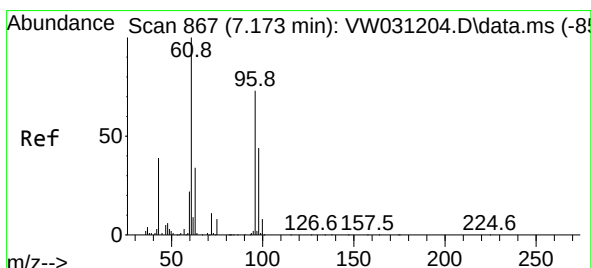
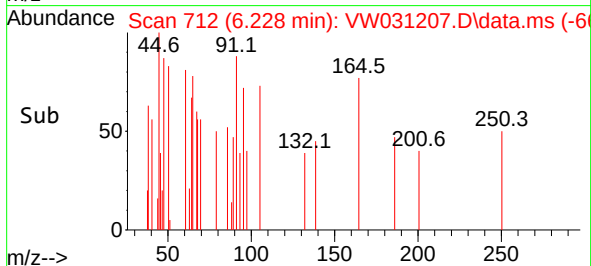
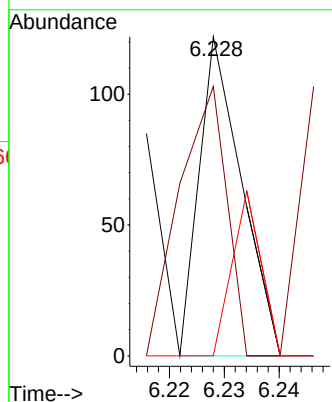
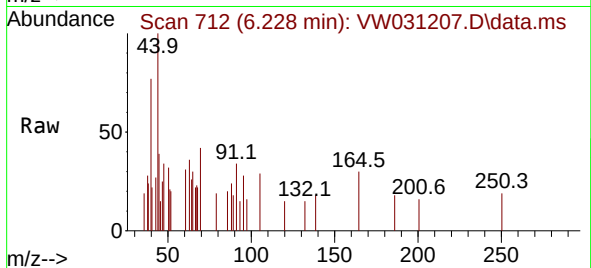
Acq: 11 Dec 2024 12:30

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 63	Resp:	65
Ion	Ratio	Lower Upper
63	100	
65	84.4	21.7 40.3#
83	0.0	8.9 16.5#



#20

cis-1,2-Dichloroethene

Concen: 2.668 ug/L

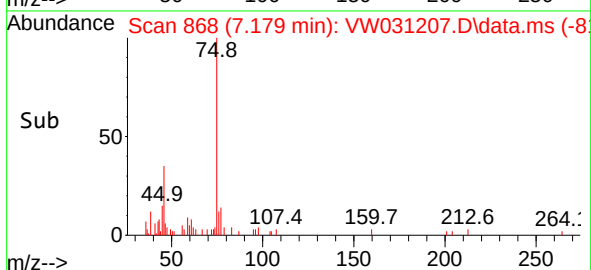
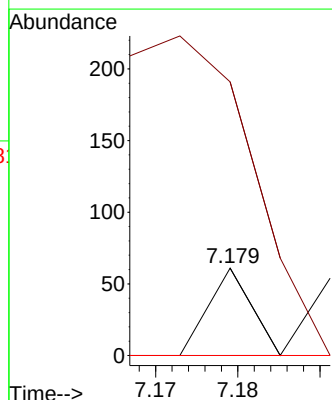
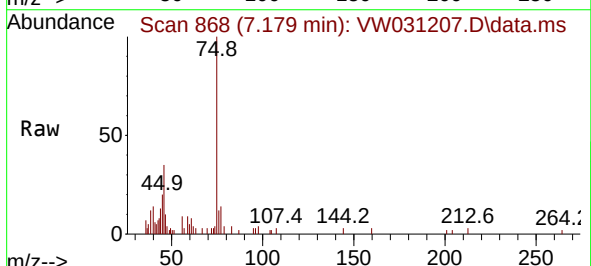
RT: 7.179 min Scan# 868

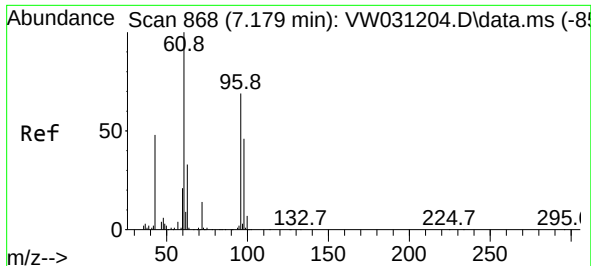
Delta R.T. 0.006 min

Lab File: VW031207.D

Acq: 11 Dec 2024 12:30

Tgt Ion: 96	Resp:	22
Ion	Ratio	Lower Upper
96	100	
61	313.1	83.7 155.5#
98	0.0	43.9 81.5#

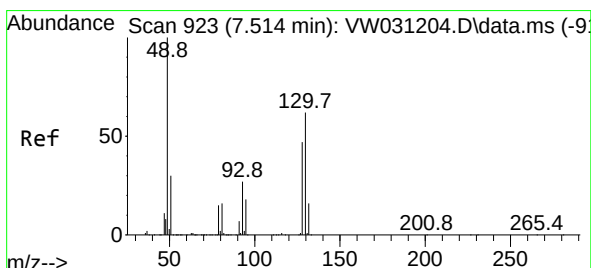
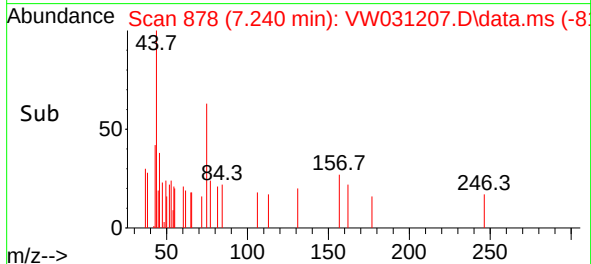
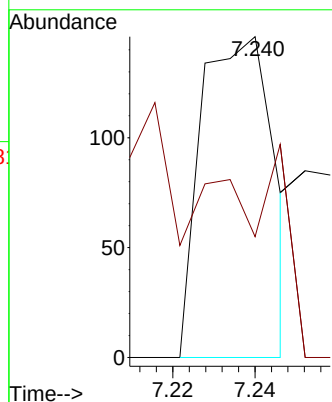
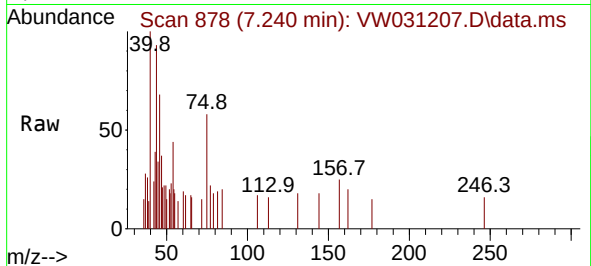




#22
2-Butanone
Concen: 76.016 ug/L
RT: 7.240 min Scan# 81
Delta R.T. 0.061 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

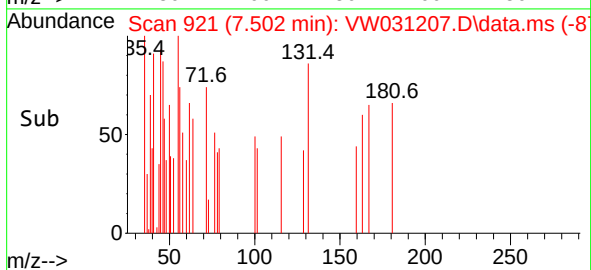
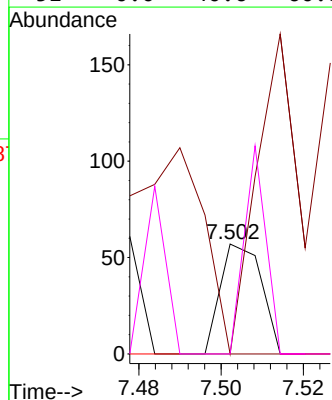
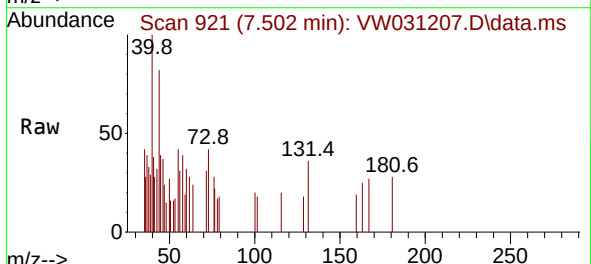
Instrument :
MSVOA_W
ClientSampleId :

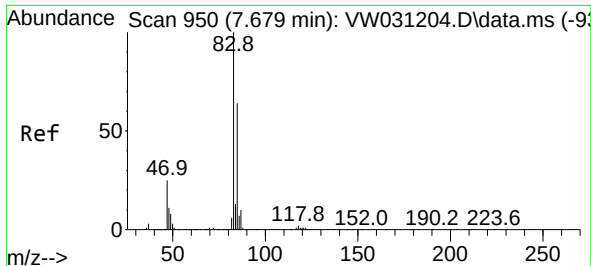
Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
72 19.4 14.9 44.7



#23
Bromochloromethane
Concen: 11.425 ug/L
RT: 7.502 min Scan# 921
Delta R.T. -0.012 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

Tgt Ion:128 Resp: 40
Ion Ratio Lower Upper
128 100
49 0.0 110.9 206.1#
130 0.0 93.7 173.9#
51 0.0 40.6 60.8#

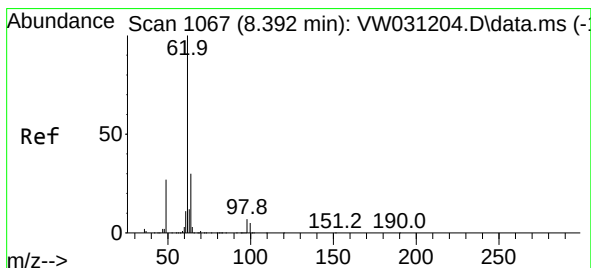
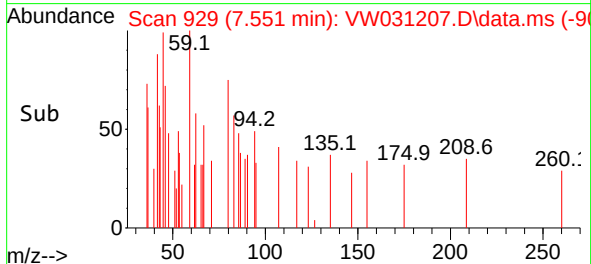
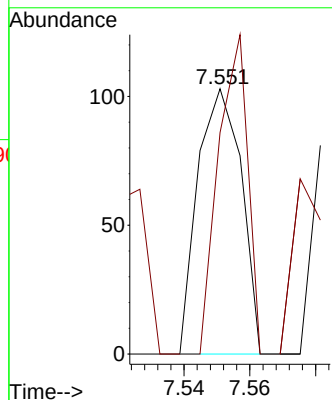
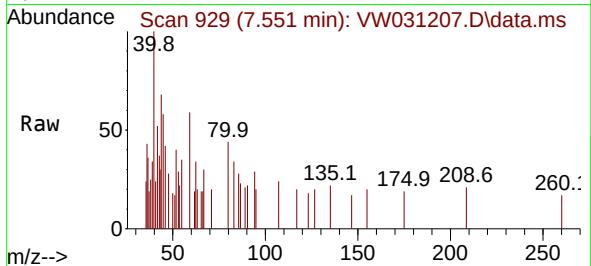




#25
Chloroform
Concen: 6.326 ug/L
RT: 7.551 min Scan# 91
Delta R.T. -0.128 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

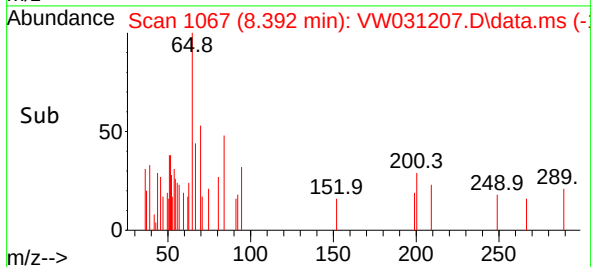
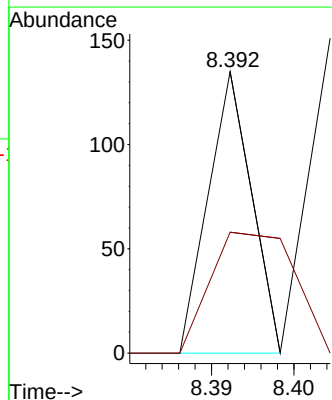
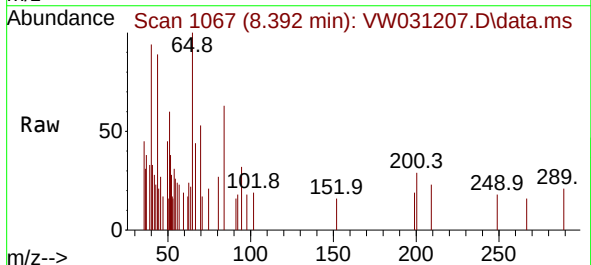
Instrument :
MSVOA_W
ClientSampleId :

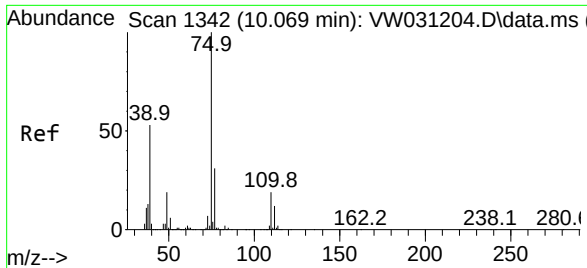
Tgt Ion: 83 Resp: 95
Ion Ratio Lower Upper
83 100
85 83.5 46.5 86.3



#27
1,2-Dichloroethane
Concen: 5.297 ug/L
RT: 8.392 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VW031207.D
Acq: 11 Dec 2024 12:30

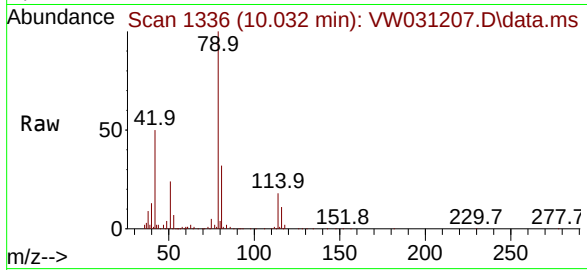
Tgt Ion: 62 Resp: 49
Ion Ratio Lower Upper
62 100
98 43.0 7.7 11.5#





#39
 cis-1,3-Dichloropropene
 Concen: 0.541 ug/L
 RT: 10.032 min Scan# 11
 Delta R.T. -0.036 min
 Lab File: VW031207.D
 Acq: 11 Dec 2024 12:30

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 3849
 Ion Ratio Lower Upper
 75 100
 77 39.9 21.6 40.2

