

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121024\
 Data File : VW031186.D
 Acq On : 10 Dec 2024 13:05
 Operator : SY/MD
 Sample : P5153-16
 Misc : 6.14g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 11 00:29:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 11 00:26:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.934	114	435	25.000	ug/L	0.09
28) Chlorobenzene-d5	11.629	117	198135	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	33378	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	96889	14473.525	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 57894.120%#	
7) Chloroethane-d5	2.899	69	86010	16560.593	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 66242.360%#	
11) 1,1-Dichloroethene-d2	4.014	65	38730	12681.016	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 50724.080%#	
21) 2-Butanone-d5	7.252	46	359	306.645	ug/L	0.15
Spiked Amount	50.000	Range	20 - 135	Recovery	= 613.300%#	
24) Chloroform-d	7.642	84	222624	17473.621	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 69894.480%#	
26) 1,2-Dichloroethane-d4	8.300	65	131253	20935.927	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 83743.720%#	
32) Benzene-d6	8.270	84	341365	28.032	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 112.120%	
36) 1,2-Dichloropropane-d6	9.270	67	131501	36.864	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 147.440%#	
41) Toluene-d8	10.318	98	214194	19.490	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 77.960%	
43) trans-1,3-Dichloroprop...	10.580	79	30373	21.149	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 84.600%	
47) 2-Hexanone-d5	10.922	63	11098	26.555	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 53.120%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	64241	26.685	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 106.720%	
66) 1,2-Dichlorobenzene-d4	13.854	152	22480	18.962	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 75.840%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.990	85	52	9.466	ug/L #	1
3) Chloromethane	2.204	50	366	56.493	ug/L	93
5) Vinyl chloride	2.399	62	157	20.174	ug/L	91
6) Bromomethane	2.807	94	187	37.787	ug/L	81
8) Chloroethane	2.972	64	172	36.950	ug/L	92
9) Trichlorofluoromethane	3.015	101	47	5.740	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.069	101	70	11.252	ug/L #	26
12) 1,1-Dichloroethene	4.045	96	248	40.143	ug/L #	1
13) Acetone	4.179	43	869	412.288	ug/L	94
14) Carbon disulfide	4.380	76	226	11.155	ug/L #	1
15) Methyl Acetate	4.679	43	1042	471.128	ug/L #	68
16) Methylene chloride	4.959	84	217	34.467	ug/L	91
17) trans-1,2-Dichloroethene	5.386	96	129	19.643	ug/L #	35
18) Methyl tert-butyl Ether	5.417	73	72	7.837	ug/L #	1
19) 1,1-Dichloroethane	6.234	63	67	5.547	ug/L #	51
20) cis-1,2-Dichloroethene	7.154	96	62	8.988	ug/L #	1
22) 2-Butanone	7.258	43	170	85.822	ug/L	75
23) Bromochloromethane	7.276	128	54	18.438	ug/L #	31
25) Chloroform	7.684	83	97	7.721	ug/L	98

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Misc : 6.14g/10mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

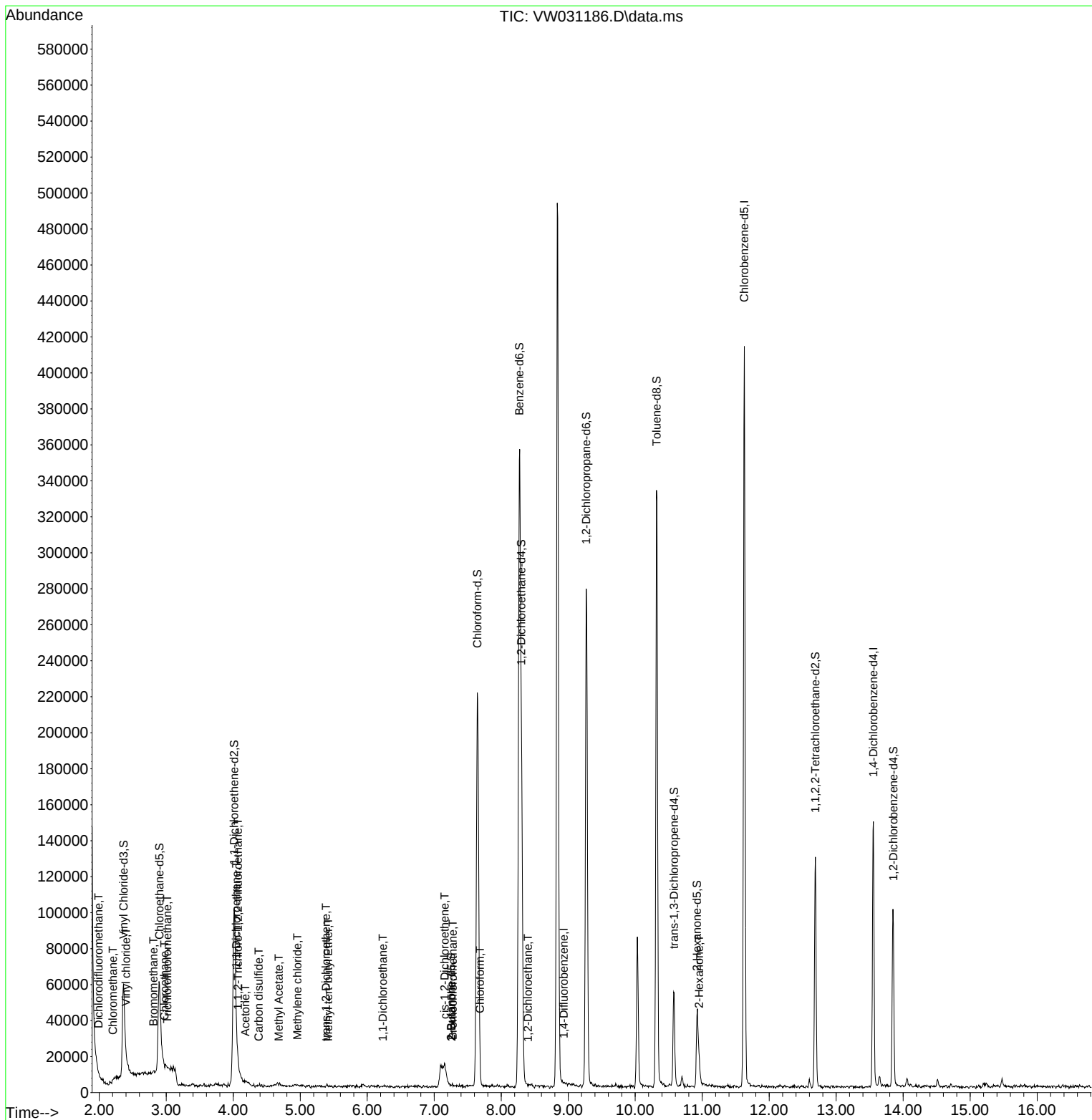
Instrument :
MSVOA_W
ClientSampleId :

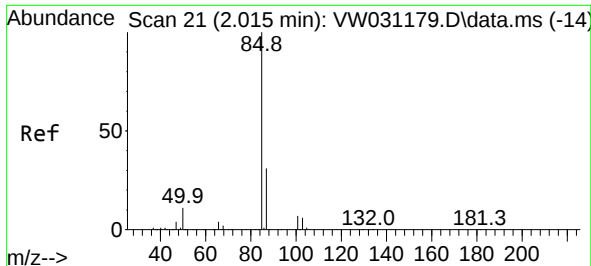
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Dec 11 00:26:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	54	6.978	ug/L #	74
48) 2-Hexanone	10.952	43	8459	6.264	ug/L #	40

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

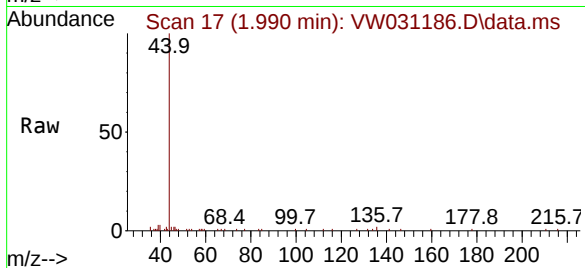
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Quant Title : SFAM01.0
QLast Update : Wed Dec 11 00:26:57 2024
Response via : Initial Calibration



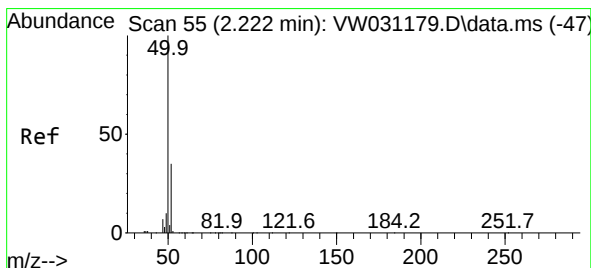
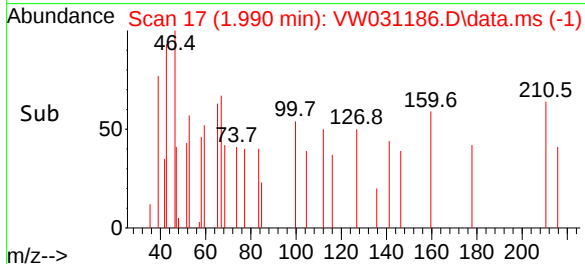
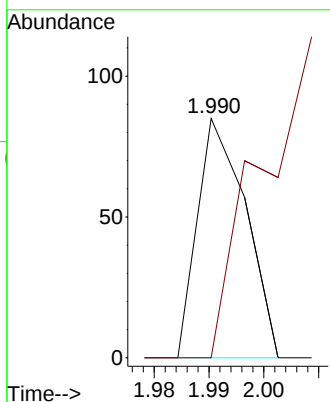


#2
Dichlorodifluoromethane
Concen: 9.466 ug/L
RT: 1.990 min Scan# 11
Delta R.T. -0.025 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

Instrument :
MSVOA_W
ClientSampleId :

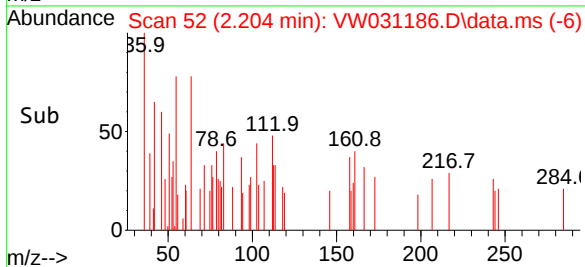
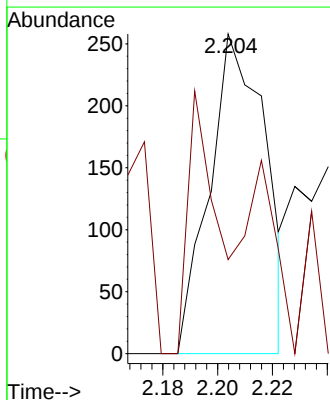
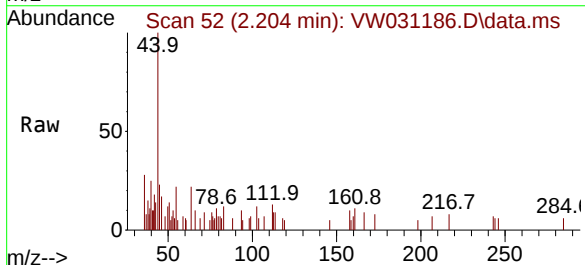


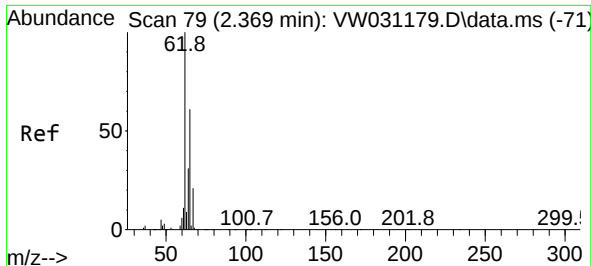
Tgt Ion: 85 Resp: 52
Ion Ratio Lower Upper
85 100
87 175.0 23.8 35.6#



#3
Chloromethane
Concen: 56.493 ug/L
RT: 2.204 min Scan# 52
Delta R.T. -0.018 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

Tgt Ion: 50 Resp: 366
Ion Ratio Lower Upper
50 100
52 29.5 23.4 43.6

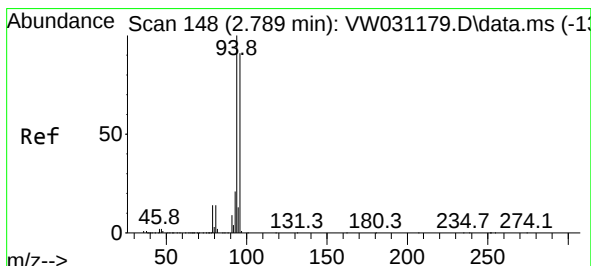
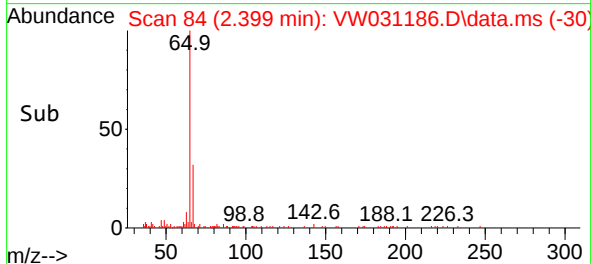
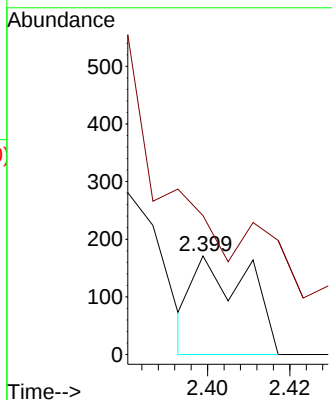
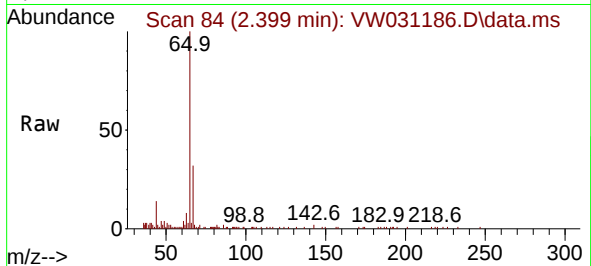




#5
 Vinyl chloride
 Concen: 20.174 ug/L
 RT: 2.399 min Scan# 84
 Delta R.T. 0.030 min
 Lab File: VW031186.D
 Acq: 10 Dec 2024 13:05

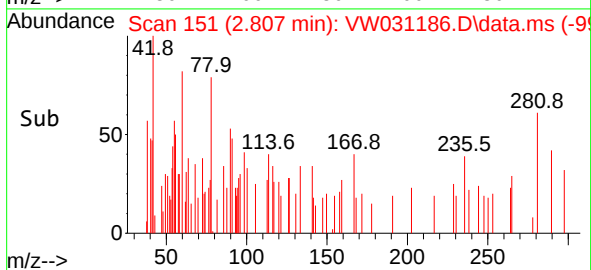
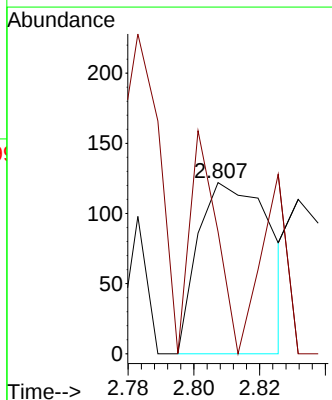
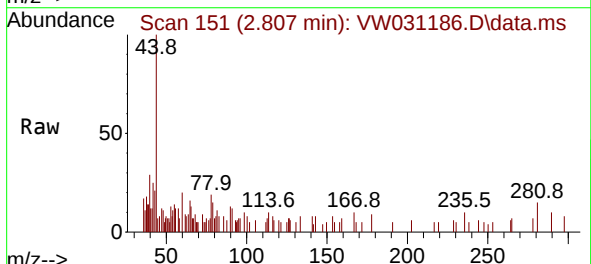
Instrument :
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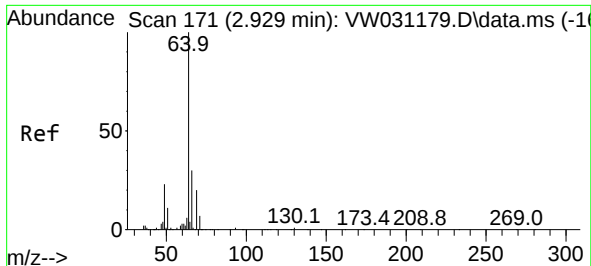
Tgt Ion: 62 Resp: 157
 Ion Ratio Lower Upper
 62 100
 64 27.3 22.7 42.1



#6
 Bromomethane
 Concen: 37.787 ug/L
 RT: 2.807 min Scan# 151
 Delta R.T. 0.018 min
 Lab File: VW031186.D
 Acq: 10 Dec 2024 13:05

Tgt Ion: 94 Resp: 187
 Ion Ratio Lower Upper
 94 100
 96 71.3 62.6 116.3

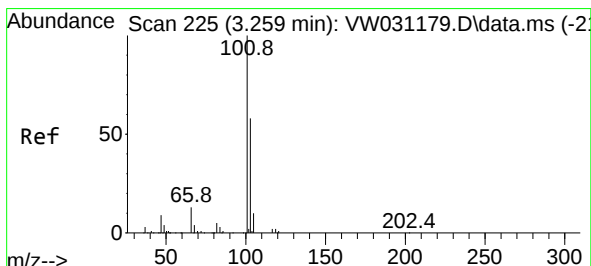
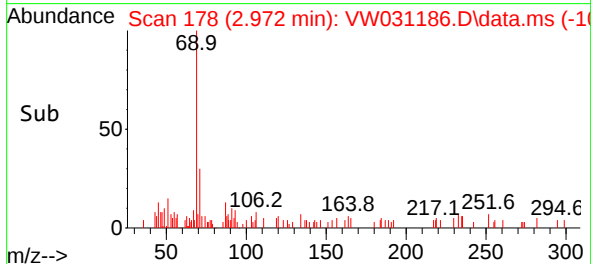
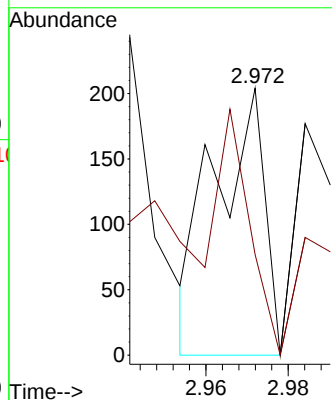
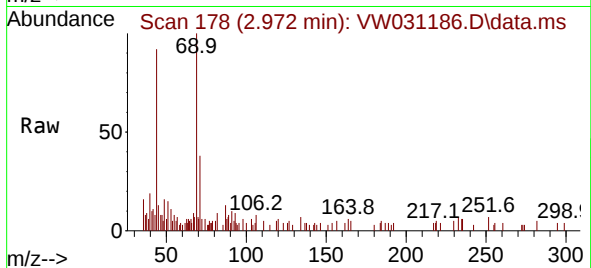




#8
Chloroethane
Concen: 36.950 ug/L
RT: 2.972 min Scan# 11
Delta R.T. 0.042 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

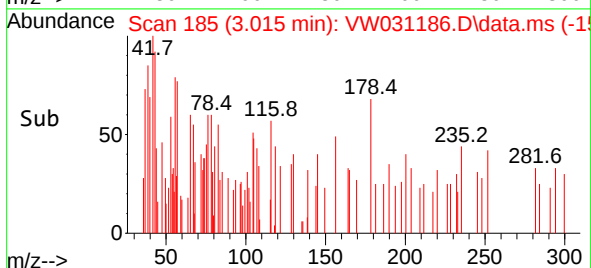
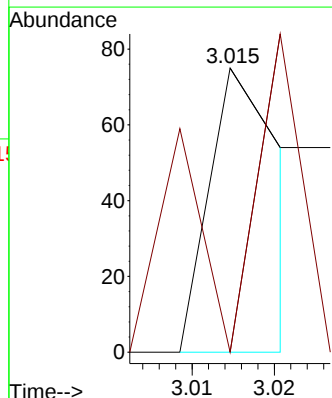
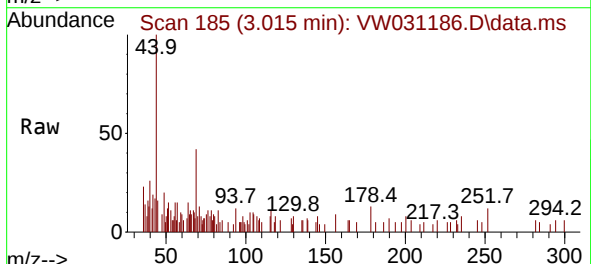
Instrument :
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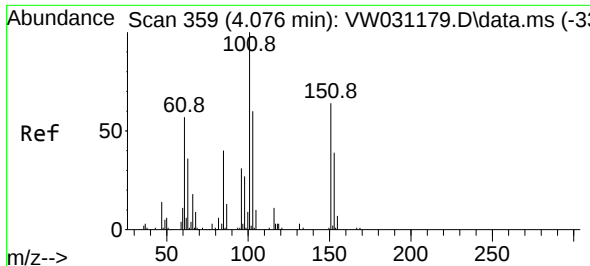
Tgt Ion: 64 Resp: 172
Ion Ratio Lower Upper
64 100
66 37.7 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.740 ug/L
RT: 3.015 min Scan# 185
Delta R.T. -0.244 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

Tgt Ion:101 Resp: 47
Ion Ratio Lower Upper
101 100
103 66.0 50.7 76.1

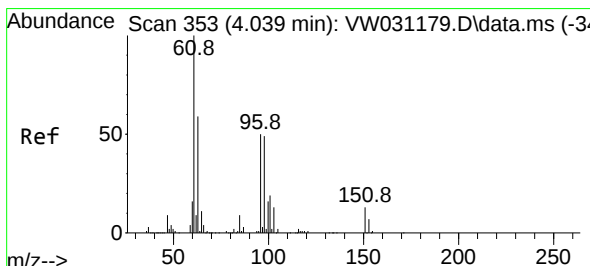
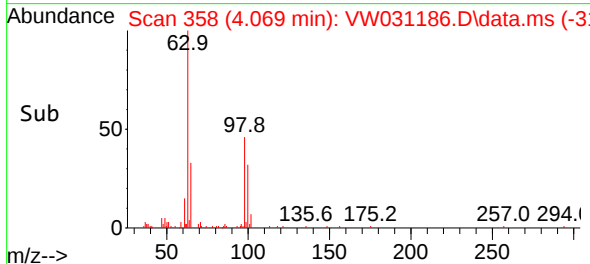
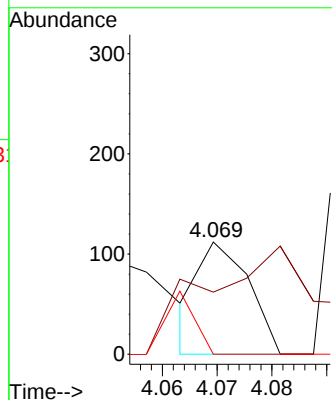
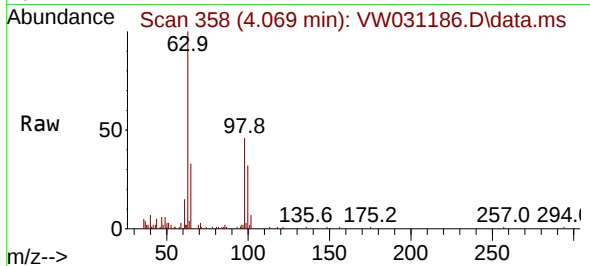




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 11.252 ug/L
RT: 4.069 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

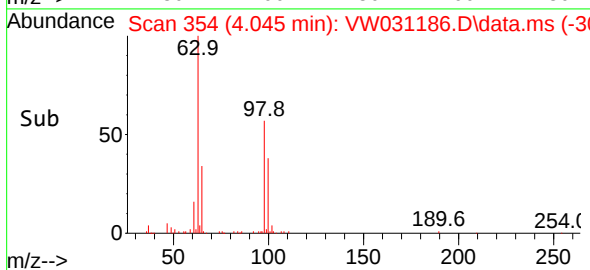
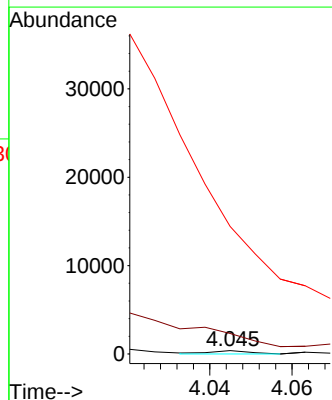
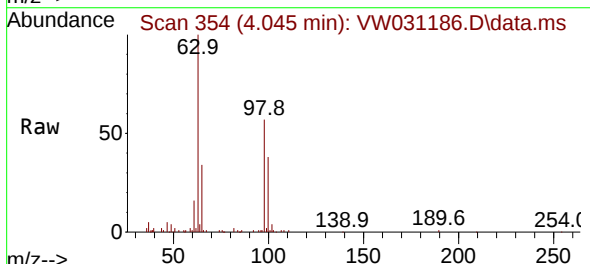
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MSVOA_W
ClientSampleId :

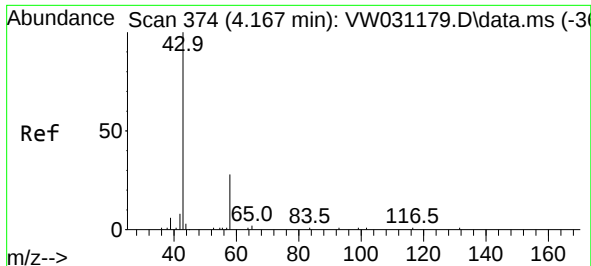
Tgt Ion:101 Resp: 70
Ion Ratio Lower Upper
101 100
85 71.4 33.9 50.9#
151 0.0 61.8 92.6#



#12
1,1-Dichloroethene
Concen: 40.143 ug/L
RT: 4.045 min Scan# 354
Delta R.T. 0.006 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

Tgt Ion: 96 Resp: 248
Ion Ratio Lower Upper
96 100
61 608.9 113.5 210.9#
63 3777.2 73.8 137.2#

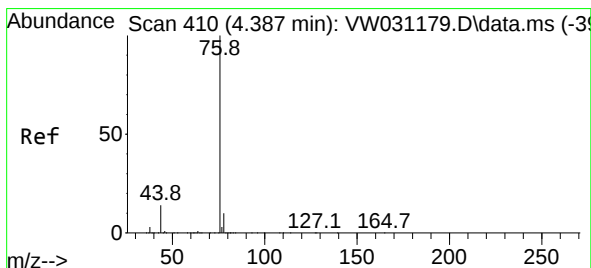
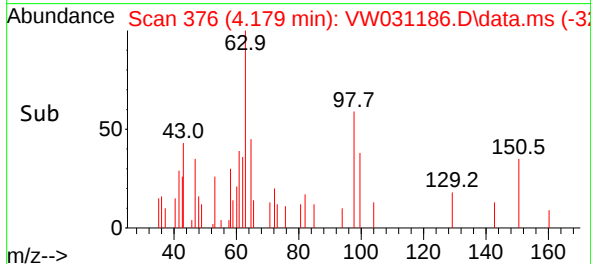
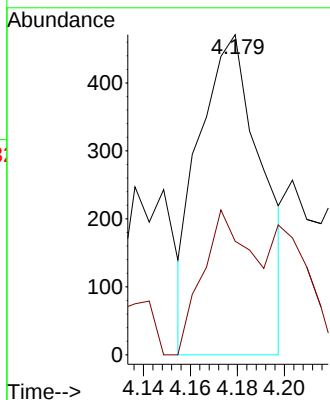
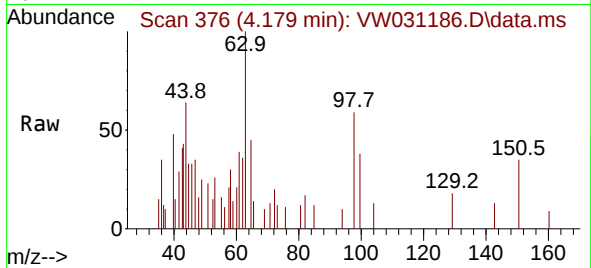




#13
Acetone
Concen: 412.288 ug/L
RT: 4.179 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

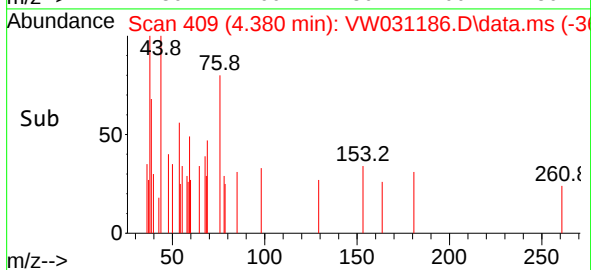
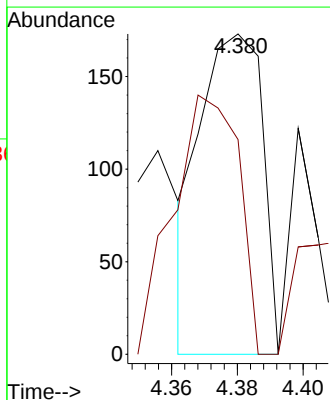
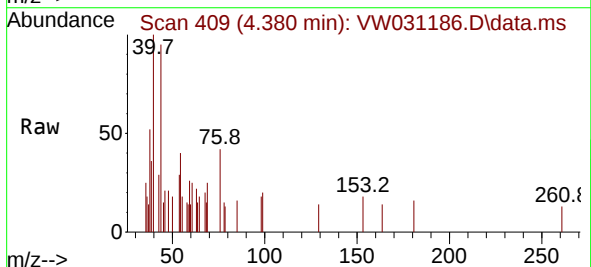
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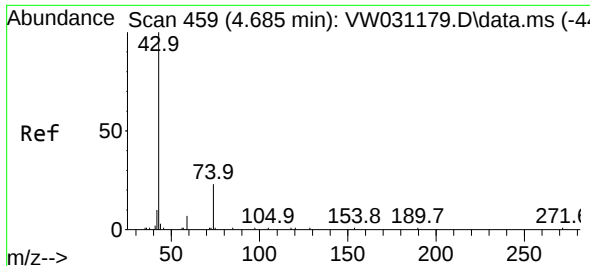
Tgt Ion: 43 Resp: 869
Ion Ratio Lower Upper
43 100
58 37.1 0.0 67.2



#14
Carbon disulfide
Concen: 11.155 ug/L
RT: 4.380 min Scan# 409
Delta R.T. -0.006 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

Tgt Ion: 76 Resp: 226
Ion Ratio Lower Upper
76 100
78 67.1 7.4 11.2#

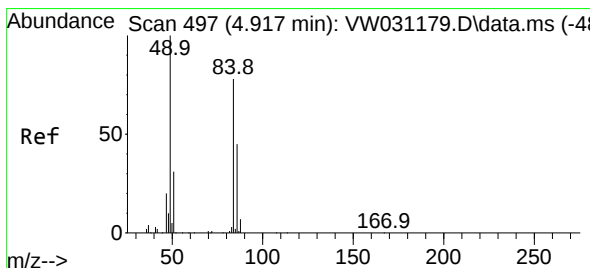
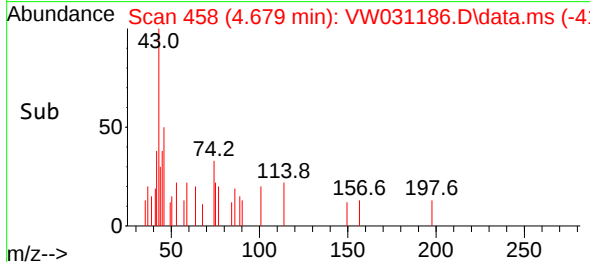
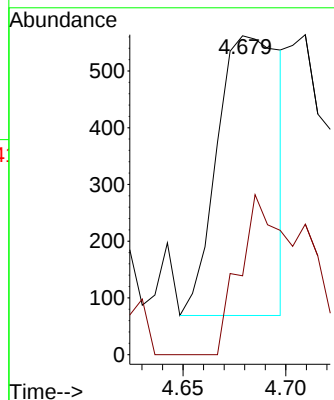
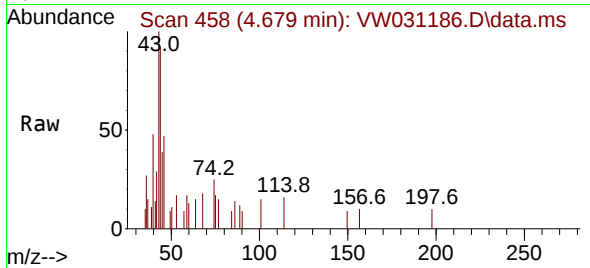




#15
Methyl Acetate
Concen: 471.128 ug/L
RT: 4.679 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

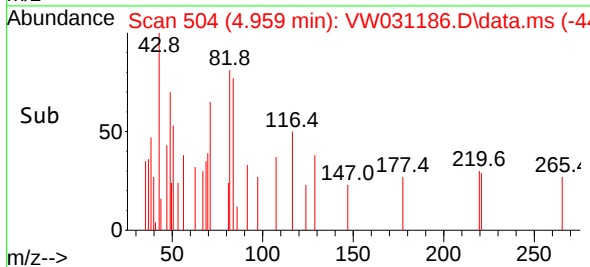
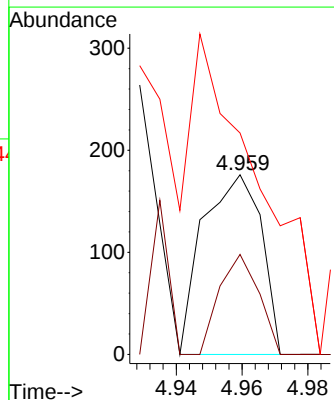
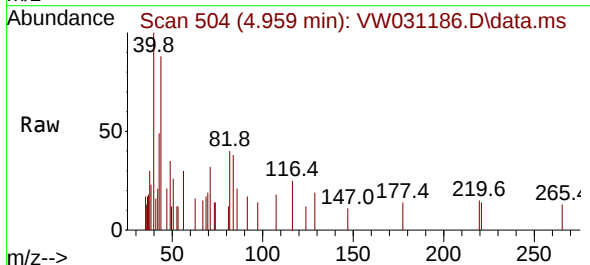
Instrument :
MSVOA_W
ClientSampleId :

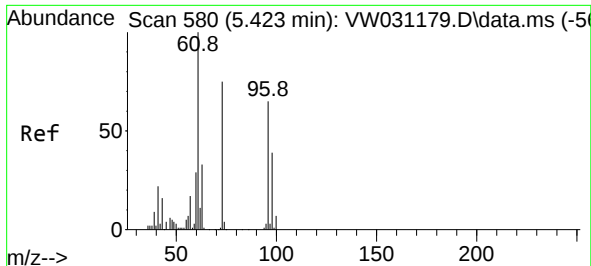
Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
74 42.2 20.8 31.2#



#16
Methylene chloride
Concen: 34.467 ug/L
RT: 4.959 min Scan# 504
Delta R.T. 0.042 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

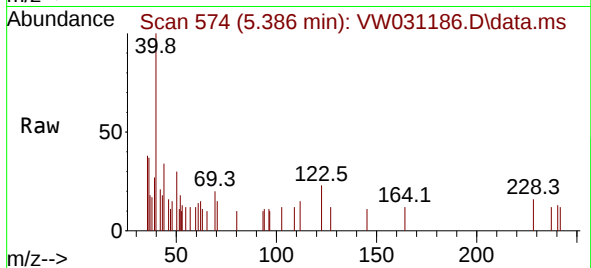
Tgt Ion: 84 Resp: 217
Ion Ratio Lower Upper
84 100
86 55.7 44.9 83.5
49 123.3 79.9 148.5



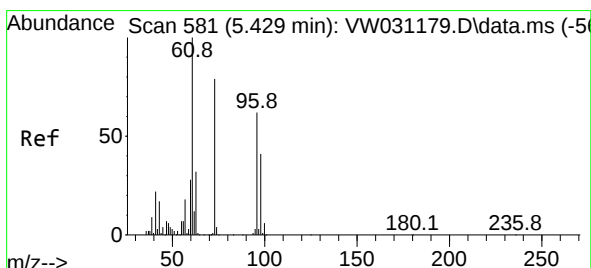
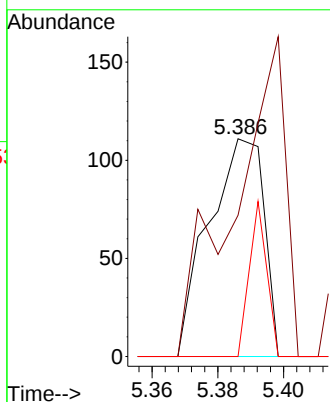
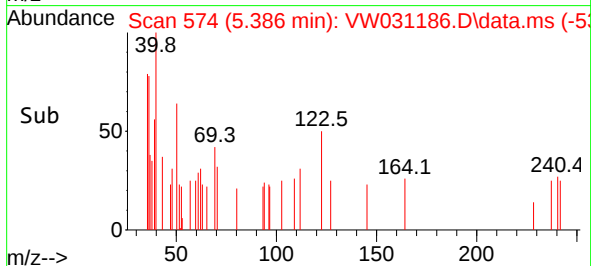


#17
trans-1,2-Dichloroethene
Concen: 19.643 ug/L
RT: 5.386 min Scan# 51
Delta R.T. -0.037 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

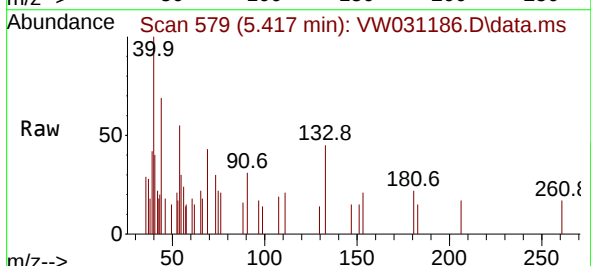
Instrument :
MSVOA_W
ClientSampleId :



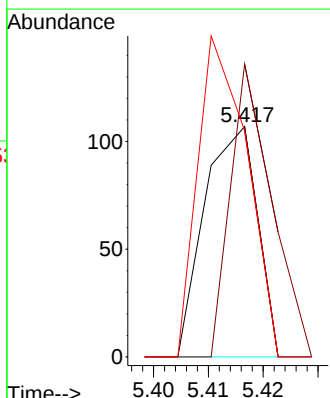
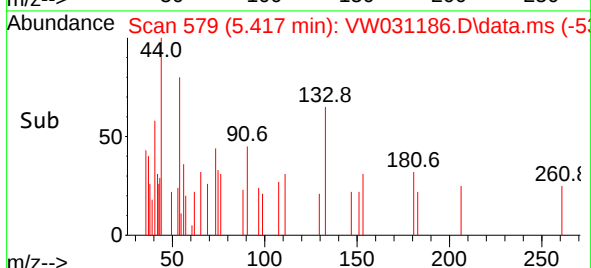
Tgt Ion: 96 Resp: 129
Ion Ratio Lower Upper
96 100
61 64.9 92.7 172.3#
98 0.0 44.4 82.4#

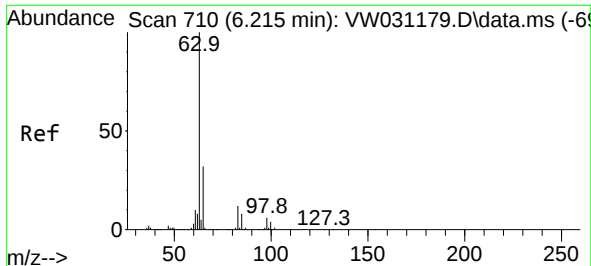


#18
Methyl tert-butyl Ether
Concen: 7.837 ug/L
RT: 5.417 min Scan# 579
Delta R.T. -0.012 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05



Tgt Ion: 73 Resp: 72
Ion Ratio Lower Upper
73 100
43 98.6 15.4 23.0#
57 129.2 17.6 26.4#





#19

1,1-Dichloroethane

Concen: 5.547 ug/L

RT: 6.234 min Scan# 710

Delta R.T. 0.018 min

Lab File: VW031186.D

Acq: 10 Dec 2024 13:05

Instrument :

MSVOA_W

ClientSampleId :

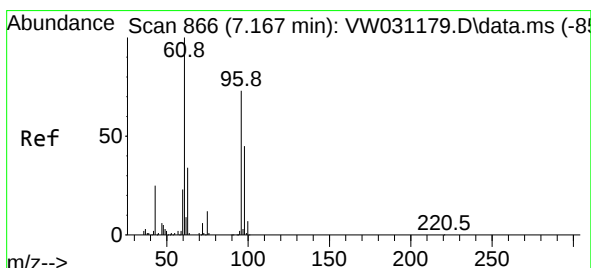
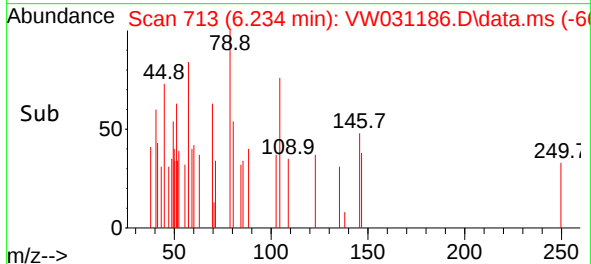
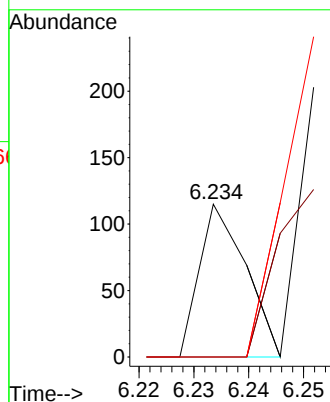
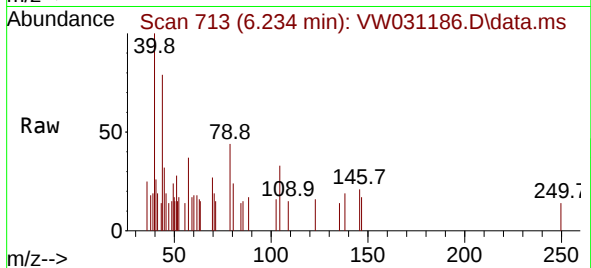
Tgt Ion: 63 Resp: 67

Ion Ratio Lower Upper

63 100

65 0.0 21.7 40.3#

83 0.0 8.9 16.5#



#20

cis-1,2-Dichloroethene

Concen: 8.988 ug/L

RT: 7.154 min Scan# 864

Delta R.T. -0.012 min

Lab File: VW031186.D

Acq: 10 Dec 2024 13:05

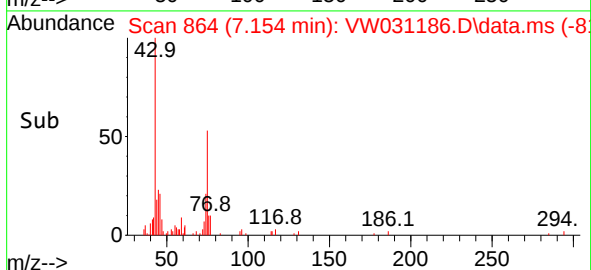
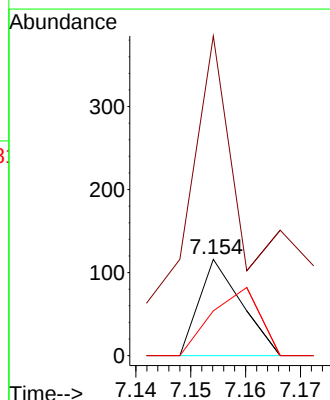
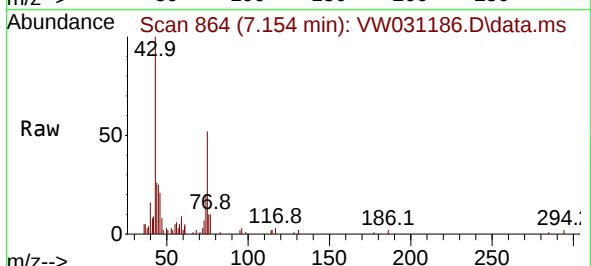
Tgt Ion: 96 Resp: 62

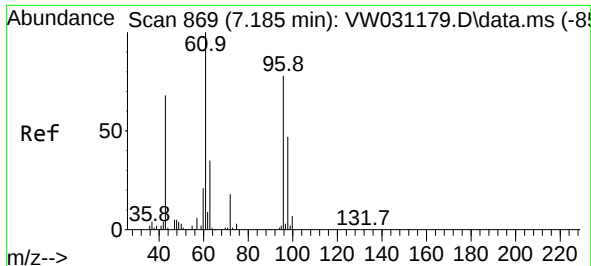
Ion Ratio Lower Upper

96 100

61 331.9 83.7 155.5#

98 46.6 43.9 81.5

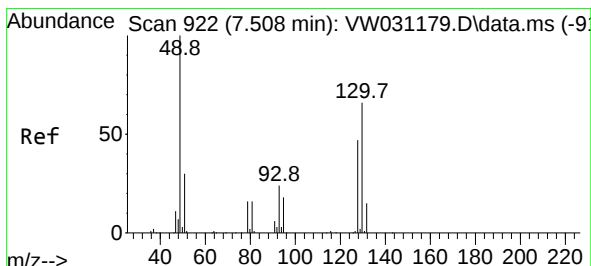
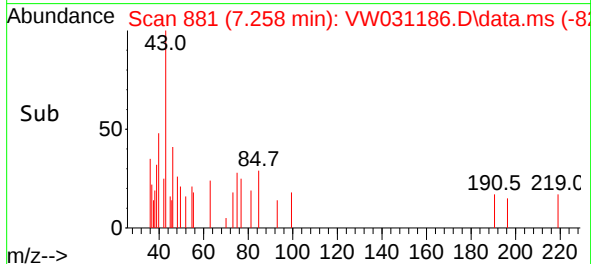
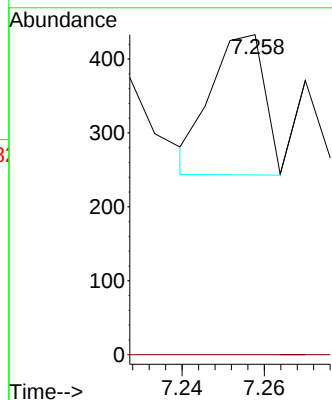
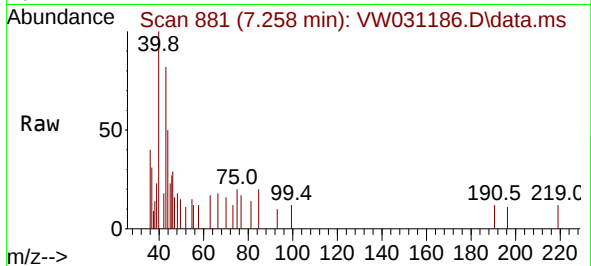




#22
2-Butanone
Concen: 85.822 ug/L
RT: 7.258 min Scan# 881
Delta R.T. 0.073 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

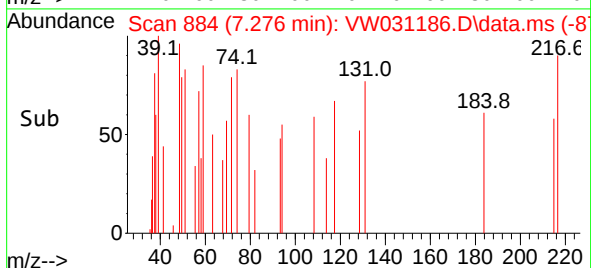
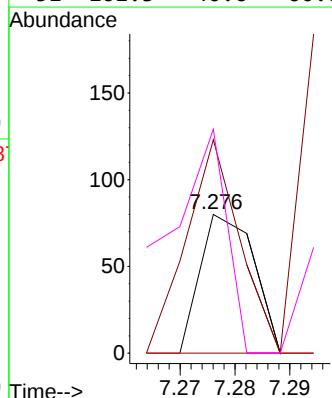
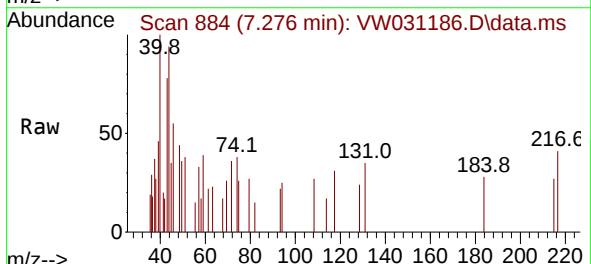
Instrument :
MSVOA_W
ClientSampleId :

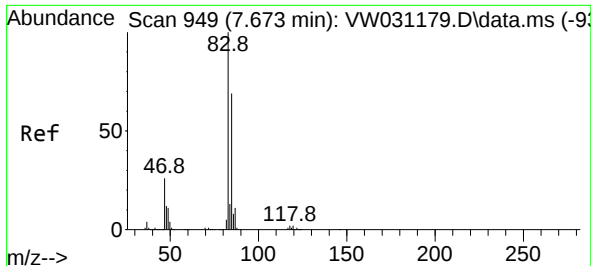
Tgt Ion: 43 Resp: 170
Ion Ratio Lower Upper
43 100
72 16.5 14.9 44.7



#23
Bromochloromethane
Concen: 18.438 ug/L
RT: 7.276 min Scan# 884
Delta R.T. -0.232 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

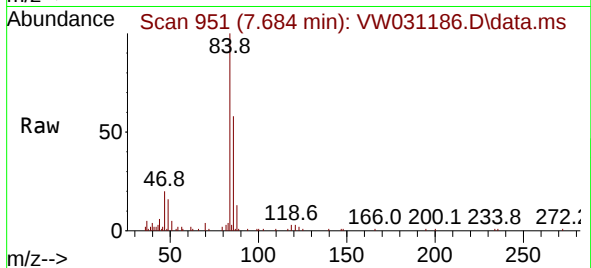
Tgt Ion: 128 Resp: 54
Ion Ratio Lower Upper
128 100
49 153.8 110.9 206.1
130 0.0 93.7 173.9#
51 161.3 40.6 60.8#



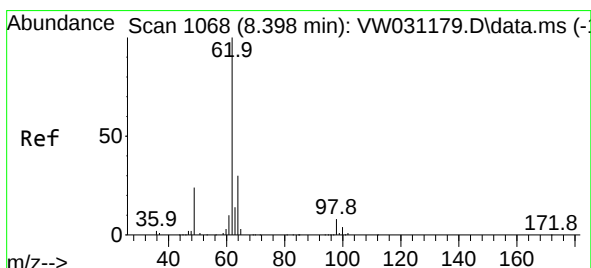
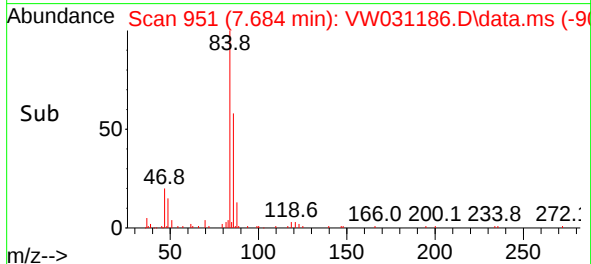
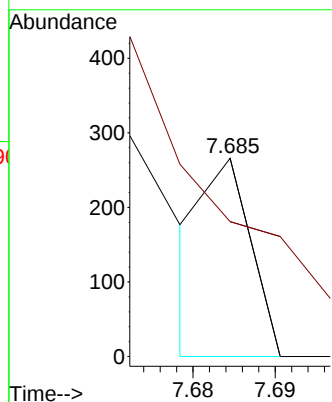


#25
Chloroform
Concen: 7.721 ug/L
RT: 7.684 min Scan# 91
Delta R.T. 0.012 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

Instrument :
MSVOA_W
ClientSampleId :

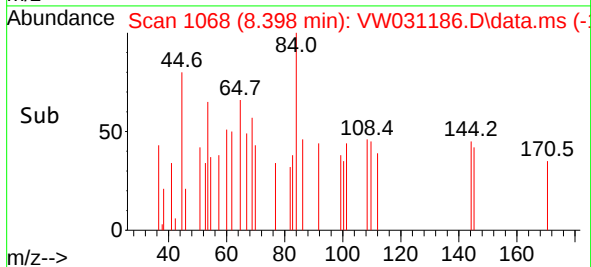
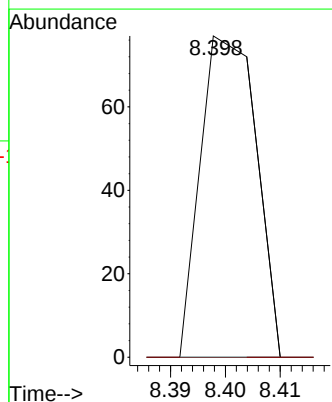
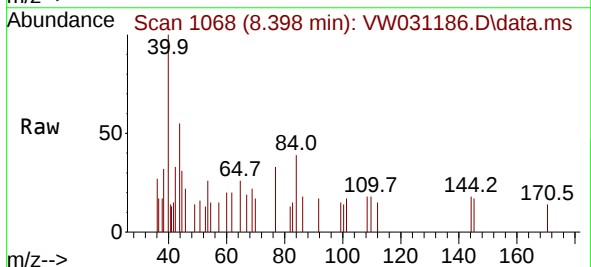


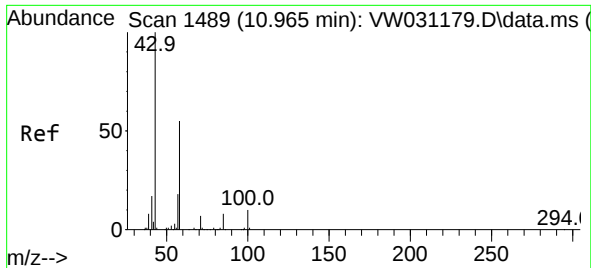
Tgt Ion: 83 Resp: 97
Ion Ratio Lower Upper
83 100
85 68.0 46.5 86.3



#27
1,2-Dichloroethane
Concen: 6.978 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW031186.D
Acq: 10 Dec 2024 13:05

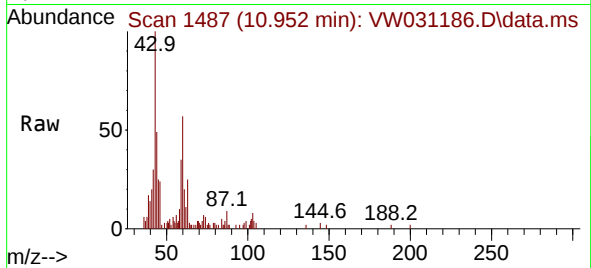
Tgt Ion: 62 Resp: 54
Ion Ratio Lower Upper
62 100
98 0.0 7.7 11.5#





#48
 2-Hexanone
 Concen: 6.264 ug/L
 RT: 10.952 min Scan# 14
 Delta R.T. -0.012 min
 Lab File: VW031186.D
 Acq: 10 Dec 2024 13:05

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	43	Resp:	8459
Ion	Ratio	Lower	Upper
43	100		
58	3.8	49.8	74.6#
57	5.6	16.6	24.8#
100	0.9	11.4	17.2#

