

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041924\
 Data File : VW028495.D
 Acq On : 19 Apr 2024 14:44
 Operator : SY/MD
 Sample : P2203-03
 Misc : 5.02g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 19 21:47:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 19 21:45:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.849	114	13729	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	12681	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	4797	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	5731	26.038	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	= 104.160%	
7) Chloroethane-d5	2.899	69	4448	26.664	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 106.640%	
11) 1,1-Dichloroethene-d2	4.033	65	2586	27.745	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 110.960%#	
21) 2-Butanone-d5	7.027	46	156	3.788	ug/L	-0.05
Spiked Amount	50.000	Range	20 - 135	Recovery	= 7.580%#	
24) Chloroform-d	7.654	84	537	1.499	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 6.000%#	
26) 1,2-Dichloroethane-d4	8.490	65	68	0.365	ug/L	0.18
Spiked Amount	25.000	Range	70 - 130	Recovery	= 1.480%#	
32) Benzene-d6	8.276	84	17305	24.980	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 99.920%	
36) 1,2-Dichloropropane-d6	9.276	67	6193	30.075	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 120.320%#	
41) Toluene-d8	10.325	98	13291	21.099	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 84.400%	
43) trans-1,3-Dichloroprop...	10.575	79	1667	20.360	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 81.440%	
47) 2-Hexanone-d5	10.928	63	690	24.191	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 48.380%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	188	1.294	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 5.160%#	
66) 1,2-Dichlorobenzene-d4	13.855	152	3839	25.306	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 101.240%	

Target Compounds				Qvalue		
5) Vinyl chloride	2.430	62	222	0.860	ug/L	96
8) Chloroethane	2.716	64	126	0.810	ug/L	100
9) Trichlorofluoromethane	3.375	101	72	0.350	ug/L	98
12) 1,1-Dichloroethene	4.027	96	144	0.791	ug/L #	1
14) Carbon disulfide	4.393	76	370	0.618	ug/L #	75
15) Methyl Acetate	4.759	43	210	2.581	ug/L	95
16) Methylene chloride	4.917	84	1302	6.267	ug/L #	84
17) trans-1,2-Dichloroethene	5.460	96	64	0.334	ug/L #	41
22) 2-Butanone	7.161	43	151	2.460	ug/L	98
25) Chloroform	7.679	83	7973	21.736	ug/L	93
34) Trichloroethene	9.093	95	1371	6.381	ug/L	85
40) 4-Methyl-2-pentanone	10.209	43	109	1.054	ug/L #	83
48) 2-Hexanone	10.953	43	378	4.603	ug/L #	87
50) 1,2-Dibromoethane	11.117	107	67	0.525	ug/L #	9
61) 1,2,3-Trichloropropane	12.635	75	123	1.402	ug/L	96
64) 1,3-Dichlorobenzene	13.495	146	110	0.360	ug/L #	1
65) 1,4-Dichlorobenzene	13.574	146	131	0.422	ug/L #	49
71) Naphthalene	15.367	128	285	0.982	ug/L #	69
72) 1,2,3-Trichlorobenzene	15.598	180	57	0.392	ug/L #	13

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040824SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Apr 19 21:45:04 2024
Response via : Initial Calibration

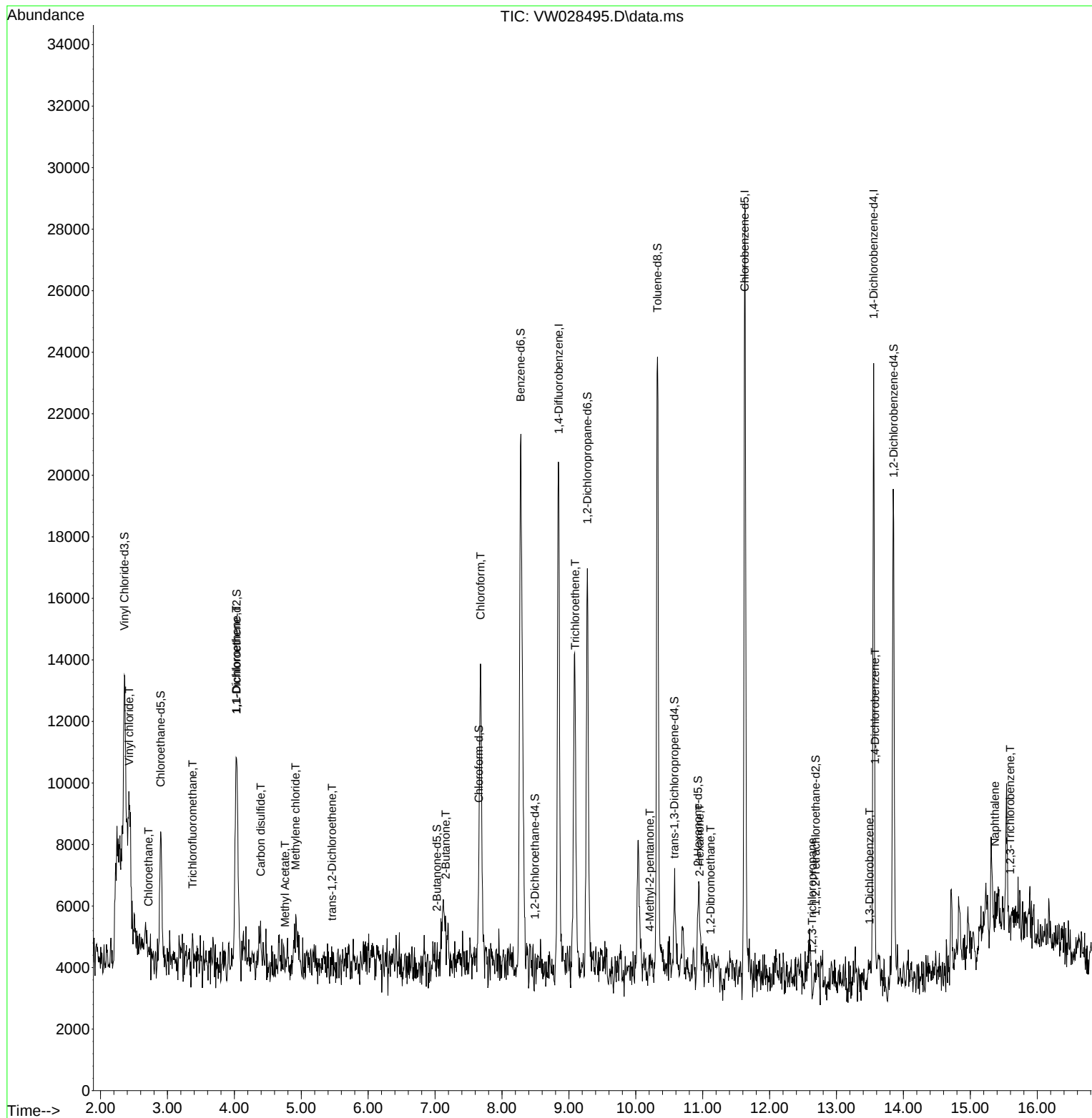
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

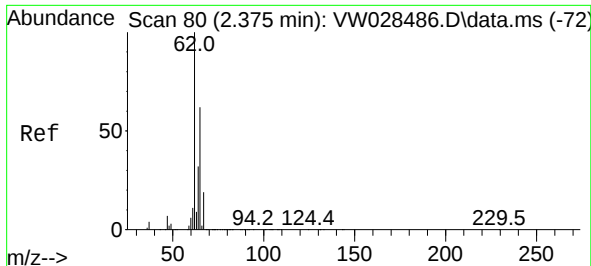
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.02g/10mL/MSVOA_W/SOIL/A
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Instrument :
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ClientSampleId :

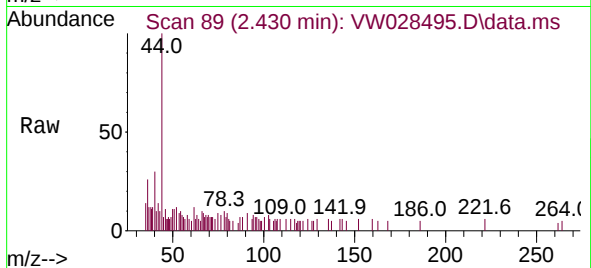
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Quant Title : SFAM01.0
QLast Update : Fri Apr 19 21:45:04 2024
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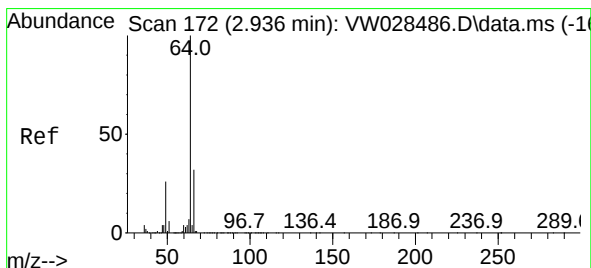
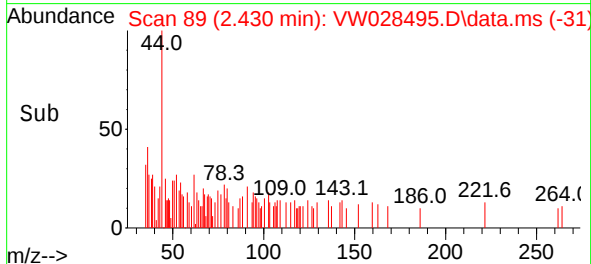
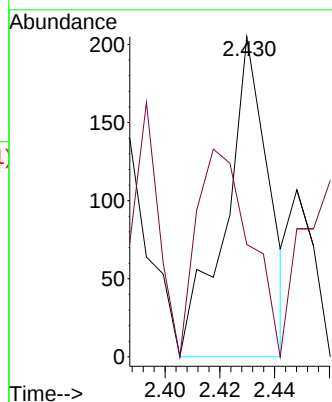


#5
 Vinyl chloride
 Concen: 0.860 ug/L
 RT: 2.430 min Scan# 80
 Delta R.T. 0.055 min
 Lab File: VW028495.D
 Acq: 19 Apr 2024 14:44

Instrument :
 MSVOA_W
 ClientSampleId :

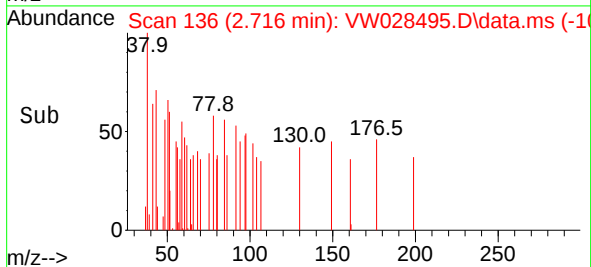
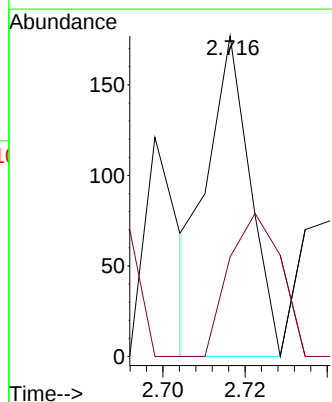
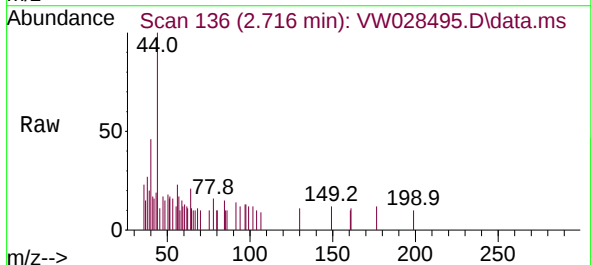


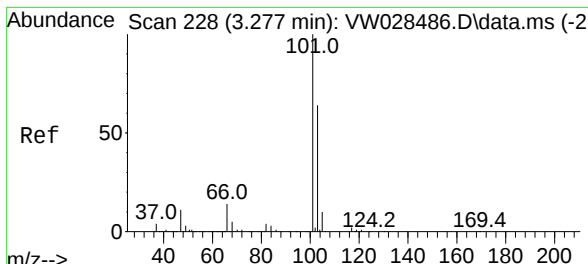
Tgt Ion: 62 Resp: 222
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.1 42.9



#8
 Chloroethane
 Concen: 0.810 ug/L
 RT: 2.716 min Scan# 136
 Delta R.T. -0.219 min
 Lab File: VW028495.D
 Acq: 19 Apr 2024 14:44

Tgt Ion: 64 Resp: 126
 Ion Ratio Lower Upper
 64 100
 66 31.1 21.7 40.3



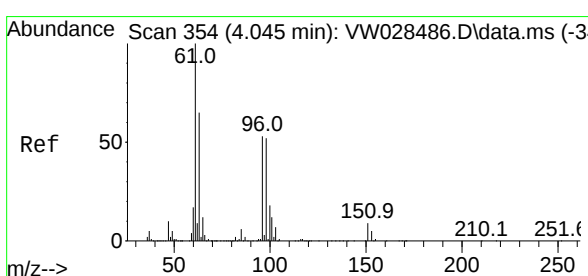
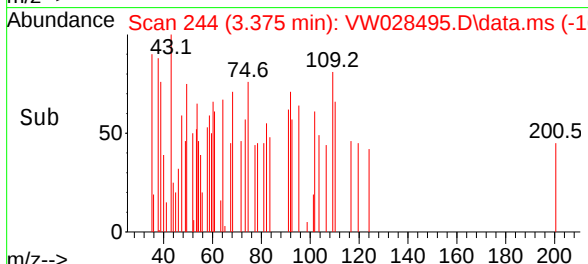
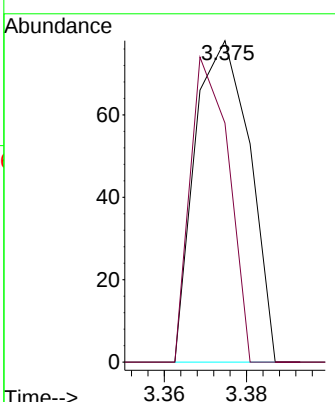
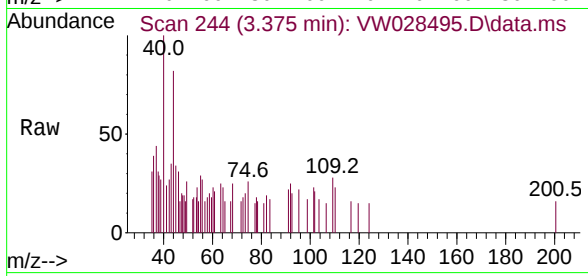


#9
 Trichlorofluoromethane
 Concen: 0.350 ug/L
 RT: 3.375 min Scan# 244
 Delta R.T. 0.098 min
 Lab File: VW028495.D
 Acq: 19 Apr 2024 14:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 101 Resp: 72

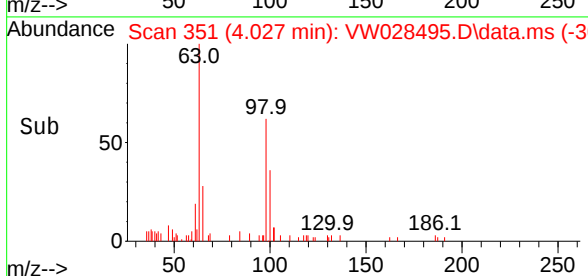
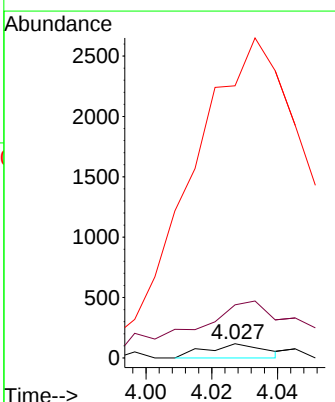
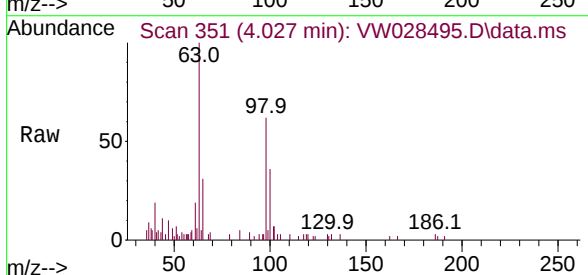
Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.0	78.0

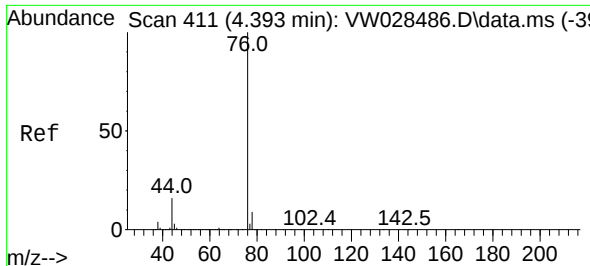


#12
 1,1-Dichloroethene
 Concen: 0.791 ug/L
 RT: 4.027 min Scan# 351
 Delta R.T. -0.018 min
 Lab File: VW028495.D
 Acq: 19 Apr 2024 14:44

Tgt Ion: 96 Resp: 144

Ion	Ratio	Lower	Upper
96	100		
61	372.0	130.5	242.5#
63	1910.2	101.5	188.5#

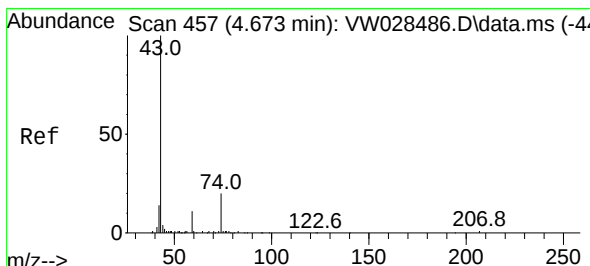
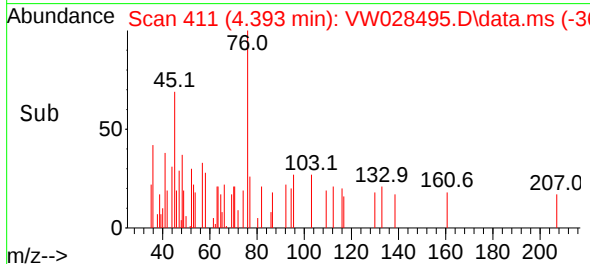
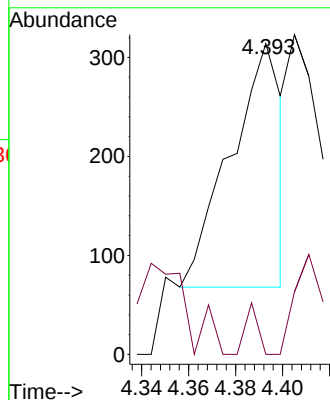
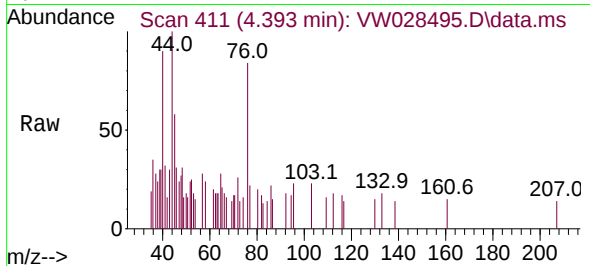




#14
Carbon disulfide
Concen: 0.618 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
Lab File: VW028495.D
Acq: 19 Apr 2024 14:44

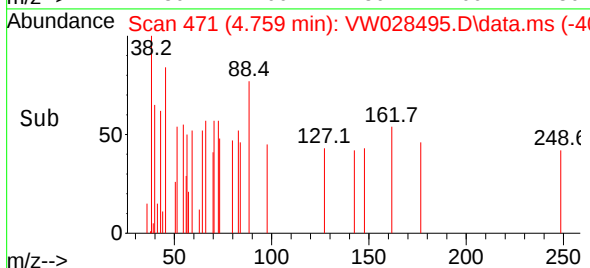
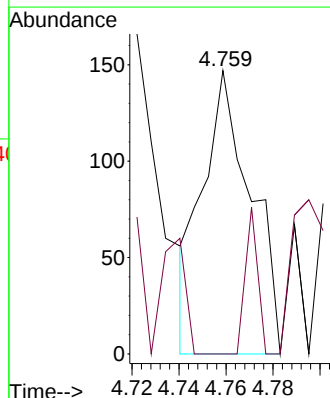
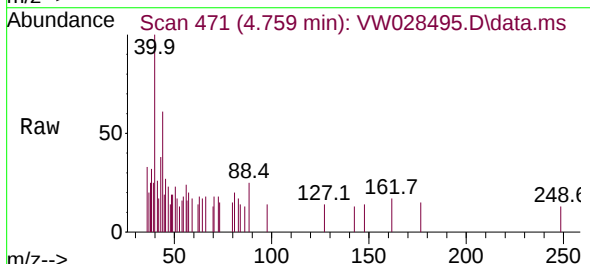
Instrument :
MSVOA_W
ClientSampleId :

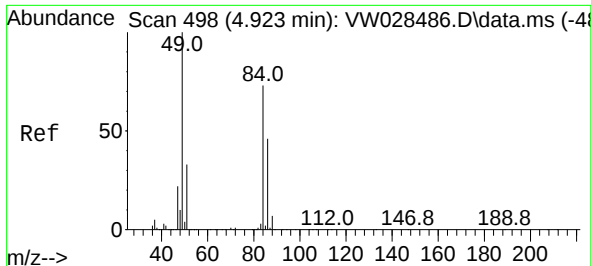
Tgt Ion: 76 Resp: 370
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#15
Methyl Acetate
Concen: 2.581 ug/L
RT: 4.759 min Scan# 471
Delta R.T. 0.085 min
Lab File: VW028495.D
Acq: 19 Apr 2024 14:44

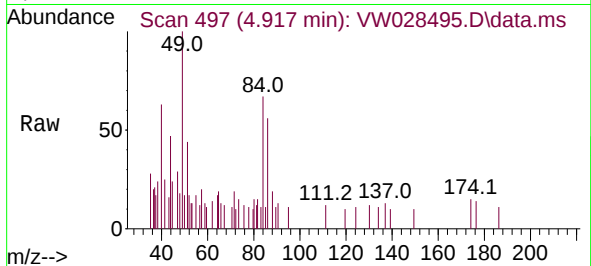
Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
74 19.5 17.4 26.0



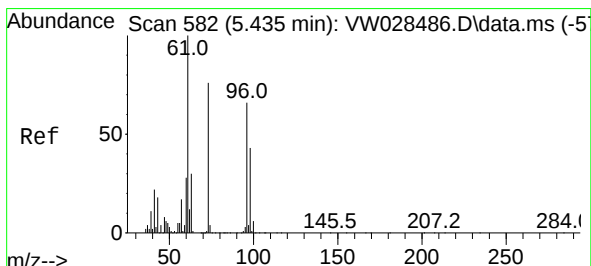
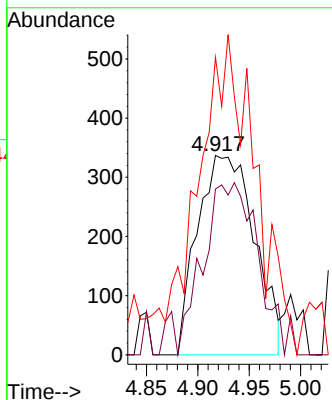
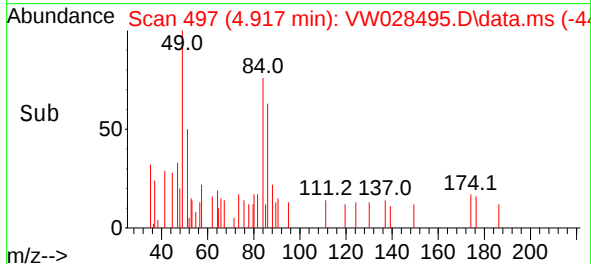


#16
Methylene chloride
Concen: 6.267 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW028495.D
Acq: 19 Apr 2024 14:44

Instrument :
MSVOA_W
ClientSampleId :

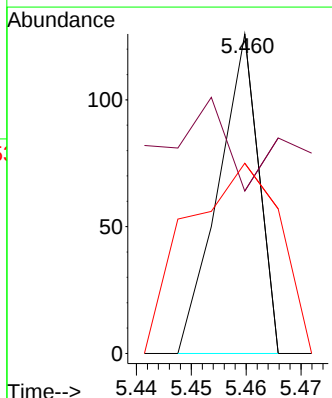
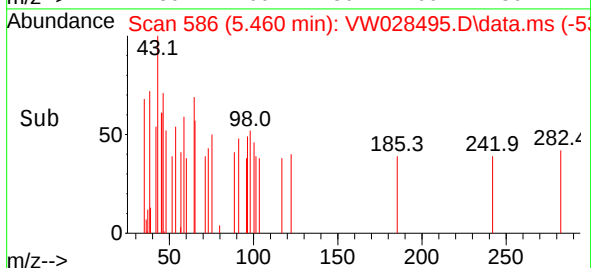
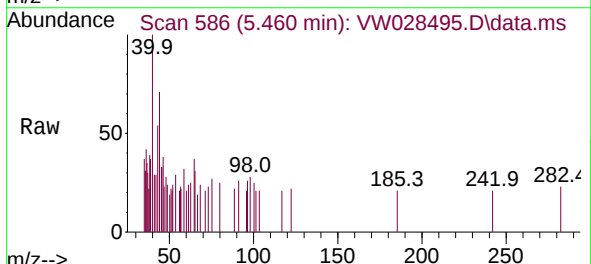


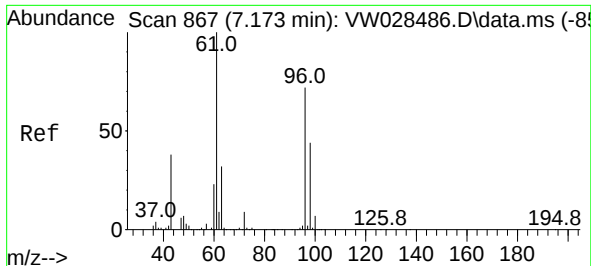
Tgt Ion: 84 Resp: 1302
Ion Ratio Lower Upper
84 100
86 83.1 44.2 82.0#
49 149.3 95.0 176.4



#17
trans-1,2-Dichloroethene
Concen: 0.334 ug/L
RT: 5.460 min Scan# 586
Delta R.T. 0.024 min
Lab File: VW028495.D
Acq: 19 Apr 2024 14:44

Tgt Ion: 96 Resp: 64
Ion Ratio Lower Upper
96 100
61 50.8 108.4 201.4#
98 59.5 45.6 84.8

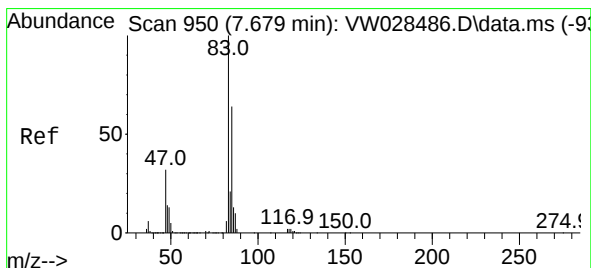
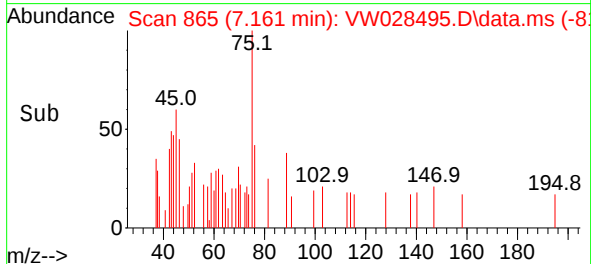
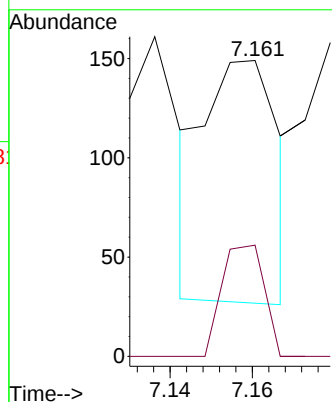
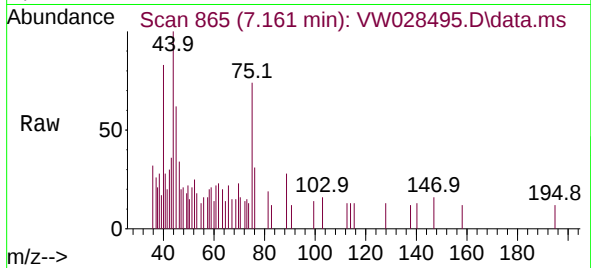




#22
2-Butanone
Concen: 2.460 ug/L
RT: 7.161 min Scan# 80
Delta R.T. -0.012 min
Lab File: VW028495.D
Acq: 19 Apr 2024 14:44

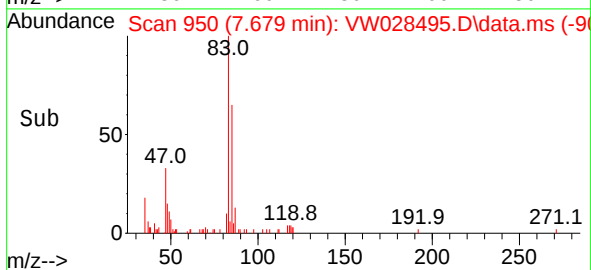
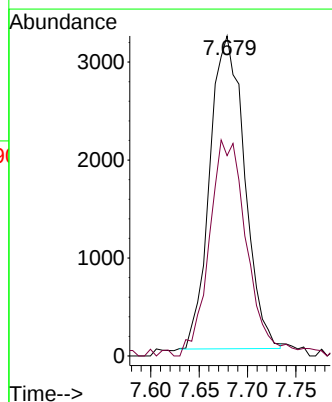
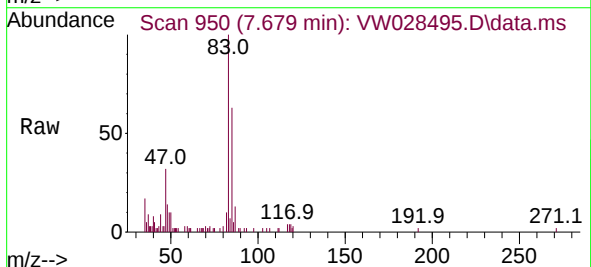
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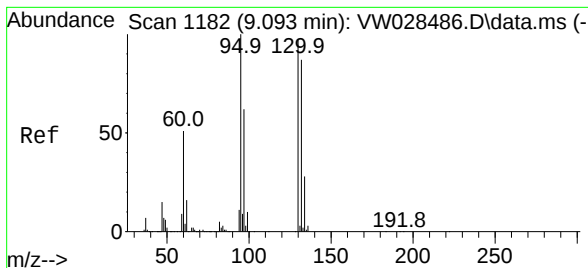
Tgt Ion: 43 Resp: 151
Ion Ratio Lower Upper
43 100
72 26.5 12.8 38.4



#25
Chloroform
Concen: 21.736 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.000 min
Lab File: VW028495.D
Acq: 19 Apr 2024 14:44

Tgt Ion: 83 Resp: 7973
Ion Ratio Lower Upper
83 100
85 62.6 47.7 88.7





#34

Trichloroethene

Concen: 6.381 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

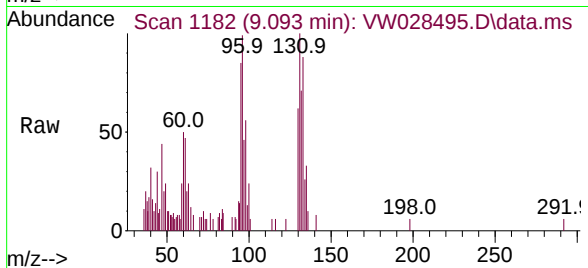
Lab File: VW028495.D

Acq: 19 Apr 2024 14:44

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 1371

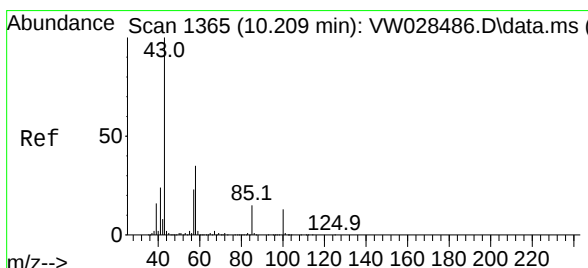
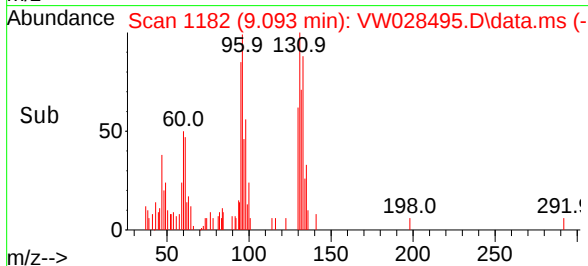
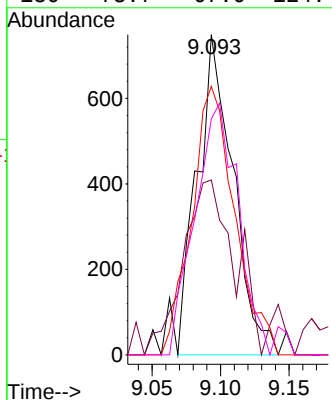
Ion Ratio Lower Upper

95 100

97 54.6 43.8 81.4

132 83.8 66.1 122.8

130 73.7 67.0 124.4



#40

4-Methyl-2-pentanone

Concen: 1.054 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW028495.D

Acq: 19 Apr 2024 14:44

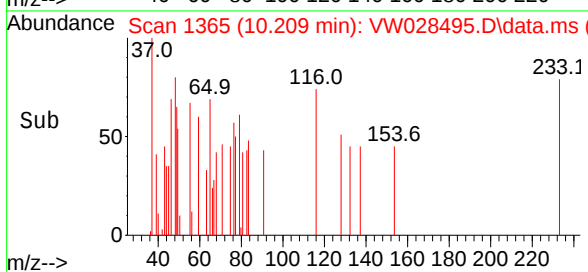
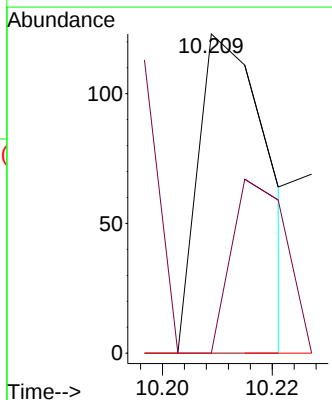
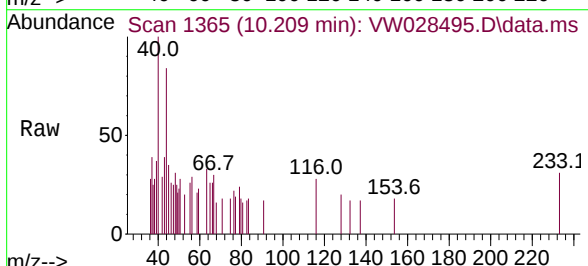
Tgt Ion: 43 Resp: 109

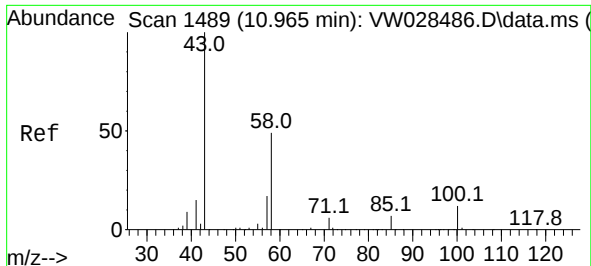
Ion Ratio Lower Upper

43 100

58 42.2 28.6 43.0

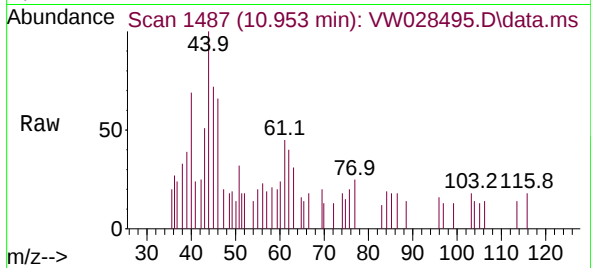
100 0.0 10.6 16.0#



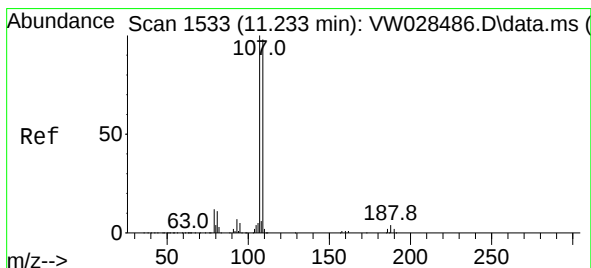
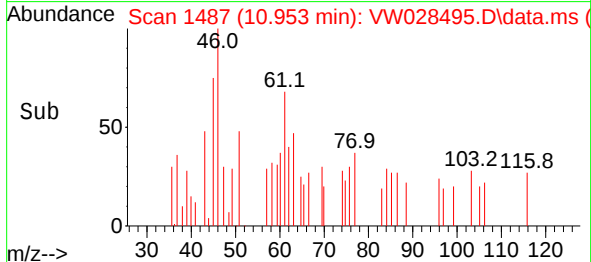
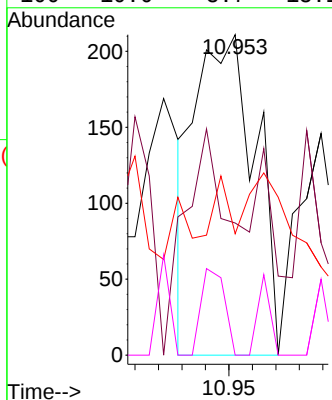


#48
2-Hexanone
Concen: 4.603 ug/L
RT: 10.953 min Scan# 1489
Delta R.T. -0.012 min
Lab File: VW028495.D
Acq: 19 Apr 2024 14:44

Instrument :
MSVOA_W
ClientSampleId :

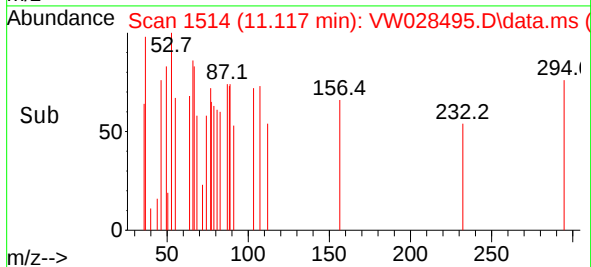
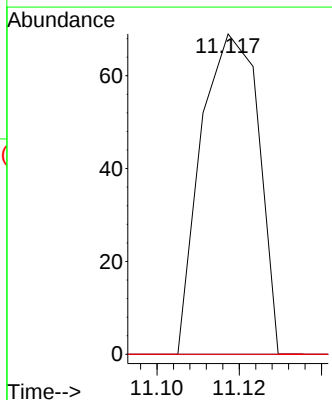
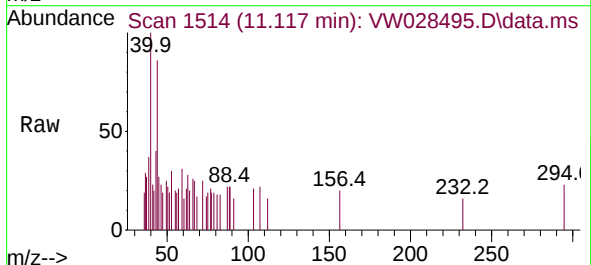


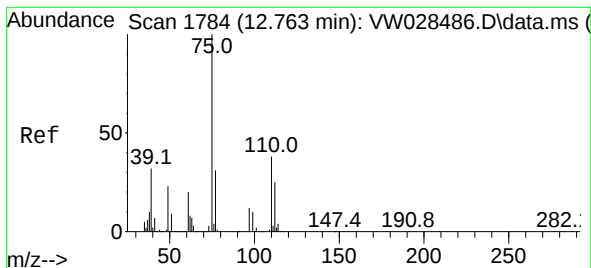
Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
58 57.7 38.9 58.3
57 26.7 14.4 21.6#
100 10.6 8.7 13.1



#50
1,2-Dibromoethane
Concen: 0.525 ug/L
RT: 11.117 min Scan# 1514
Delta R.T. -0.116 min
Lab File: VW028495.D
Acq: 19 Apr 2024 14:44

Tgt Ion:107 Resp: 67
Ion Ratio Lower Upper
107 100
109 0.0 62.1 115.3#
188 0.0 3.2 4.8#

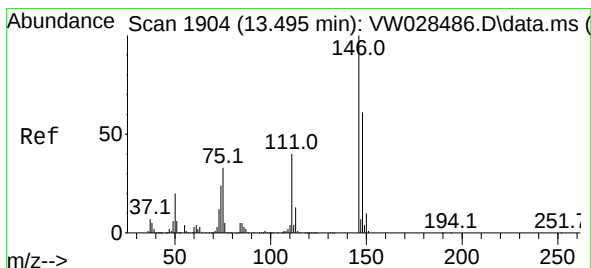
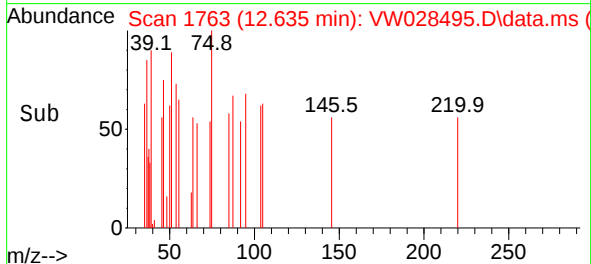
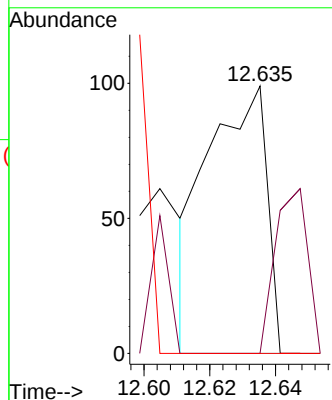
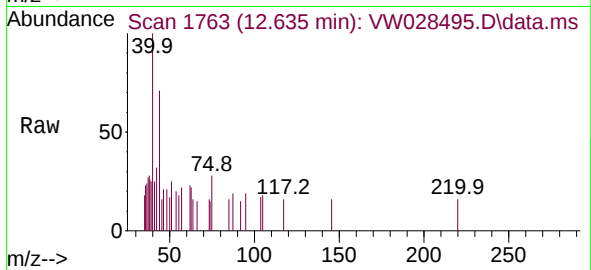




#61
1,2,3-Trichloropropane
Concen: 1.402 ug/L
RT: 12.635 min Scan# 1784
Delta R.T. -0.128 min
Lab File: VW028495.D
Acq: 19 Apr 2024 14:44

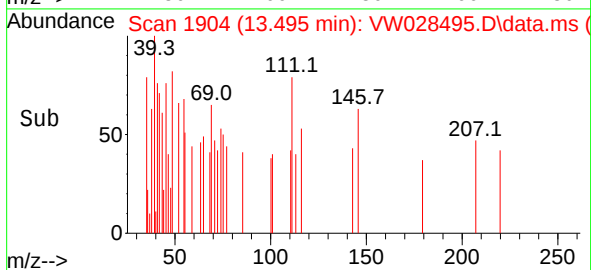
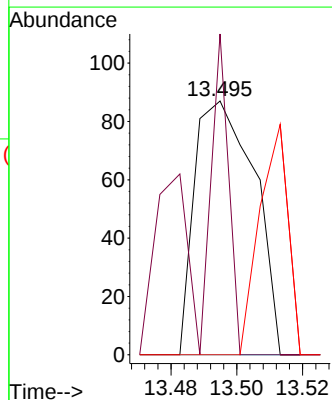
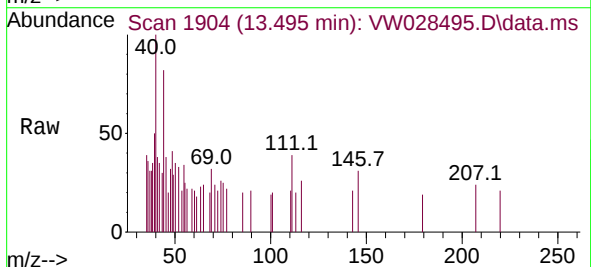
Instrument :
MSVOA_W
ClientSampleId :

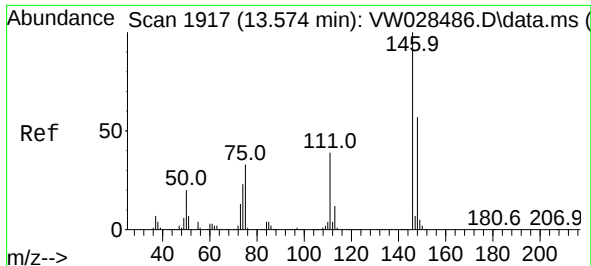
Tgt Ion: 75 Resp: 123
Ion Ratio Lower Upper
75 100
77 34.1 26.1 39.1
110 35.0 30.6 46.0



#64
1,3-Dichlorobenzene
Concen: 0.360 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW028495.D
Acq: 19 Apr 2024 14:44

Tgt Ion:146 Resp: 110
Ion Ratio Lower Upper
146 100
111 126.4 29.8 55.3#
148 0.0 47.3 87.8#





#65

1,4-Dichlorobenzene

Concen: 0.422 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

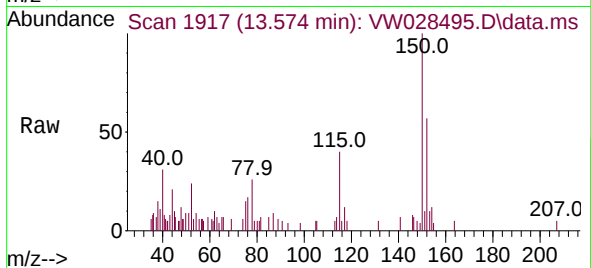
Lab File: VW028495.D

Acq: 19 Apr 2024 14:44

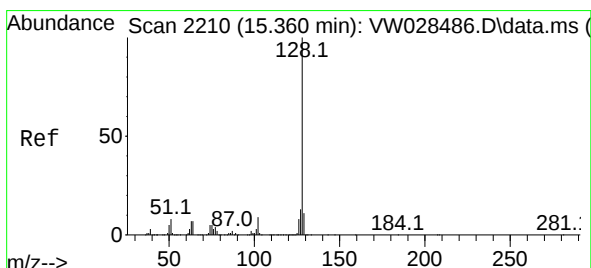
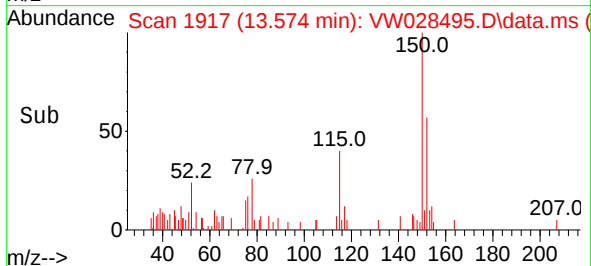
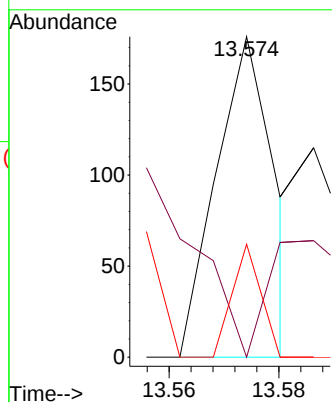
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	146	Resp:	131
Ion Ratio	Lower	Upper	
146	100		
111	0.0	30.3	56.3#
148	35.2	47.3	87.8#



#71

Naphthalene

Concen: 0.982 ug/L

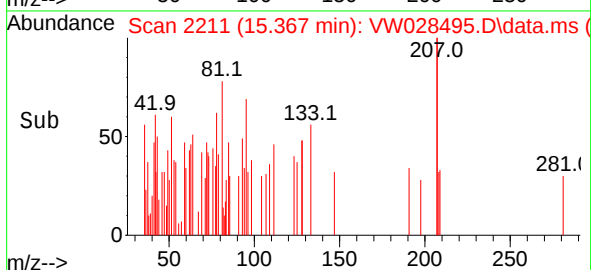
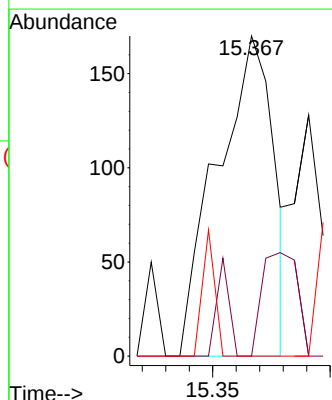
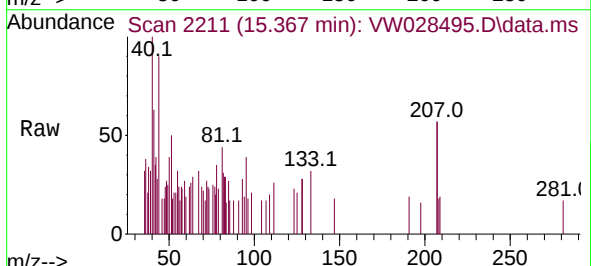
RT: 15.367 min Scan# 2211

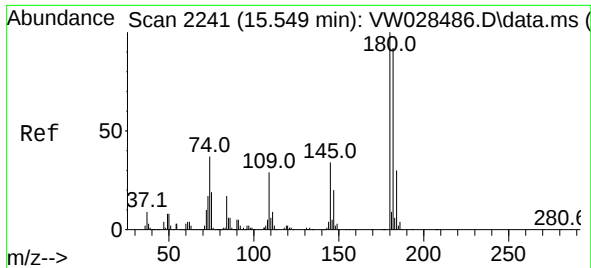
Delta R.T. 0.006 min

Lab File: VW028495.D

Acq: 19 Apr 2024 14:44

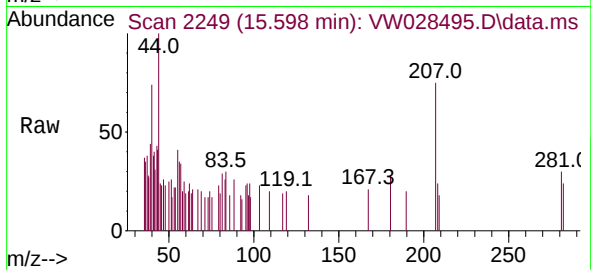
Tgt Ion:	128	Resp:	285
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.7	16.1#
129	0.0	8.5	12.7#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.392 ug/L
 RT: 15.598 min Scan# 21
 Delta R.T. 0.049 min
 Lab File: VW028495.D
 Acq: 19 Apr 2024 14:44

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180	Resp:	57
Ion Ratio	Lower	Upper
180	100	
182	0.0	75.7 113.5#
145	0.0	26.2 39.4#

