

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041122\
 Data File : VW022492.D
 Acq On : 11 Apr 2022 18:57
 Operator : SY/VA
 Sample : N2316-13
 Misc : 6.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETNR3

Quant Time: Apr 12 00:00:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Apr 11 23:55:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	458969	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.627	117	446055	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	210287	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	144829	14.274	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.080%
7) Chloroethane-d5	2.885	69	114578	18.018	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.080%
11) 1,1-Dichloroethene-d2	4.019	63	157711	11.984	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	47.920%
21) 2-Butanone-d5	7.079	46	117203	66.163	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.320%
24) Chloroform-d	7.646	84	274634	19.144	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.560%
26) 1,2-Dichloroethane-d4	8.305	65	185947	22.686	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.760%
32) Benzene-d6	8.274	84	532203	19.529	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.120%
36) 1,2-Dichloropropane-d6	9.274	67	168127	21.318	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.280%
41) Toluene-d8	10.323	98	487895	18.280	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.120%
43) trans-1,3-Dichloroprop...	10.579	79	76875	20.654	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.600%
47) 2-Hexanone-d5	10.920	63	102568	69.902	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.800%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	155807	23.235	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.920%
66) 1,2-Dichlorobenzene-d4	13.853	152	173323	23.270	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.080%

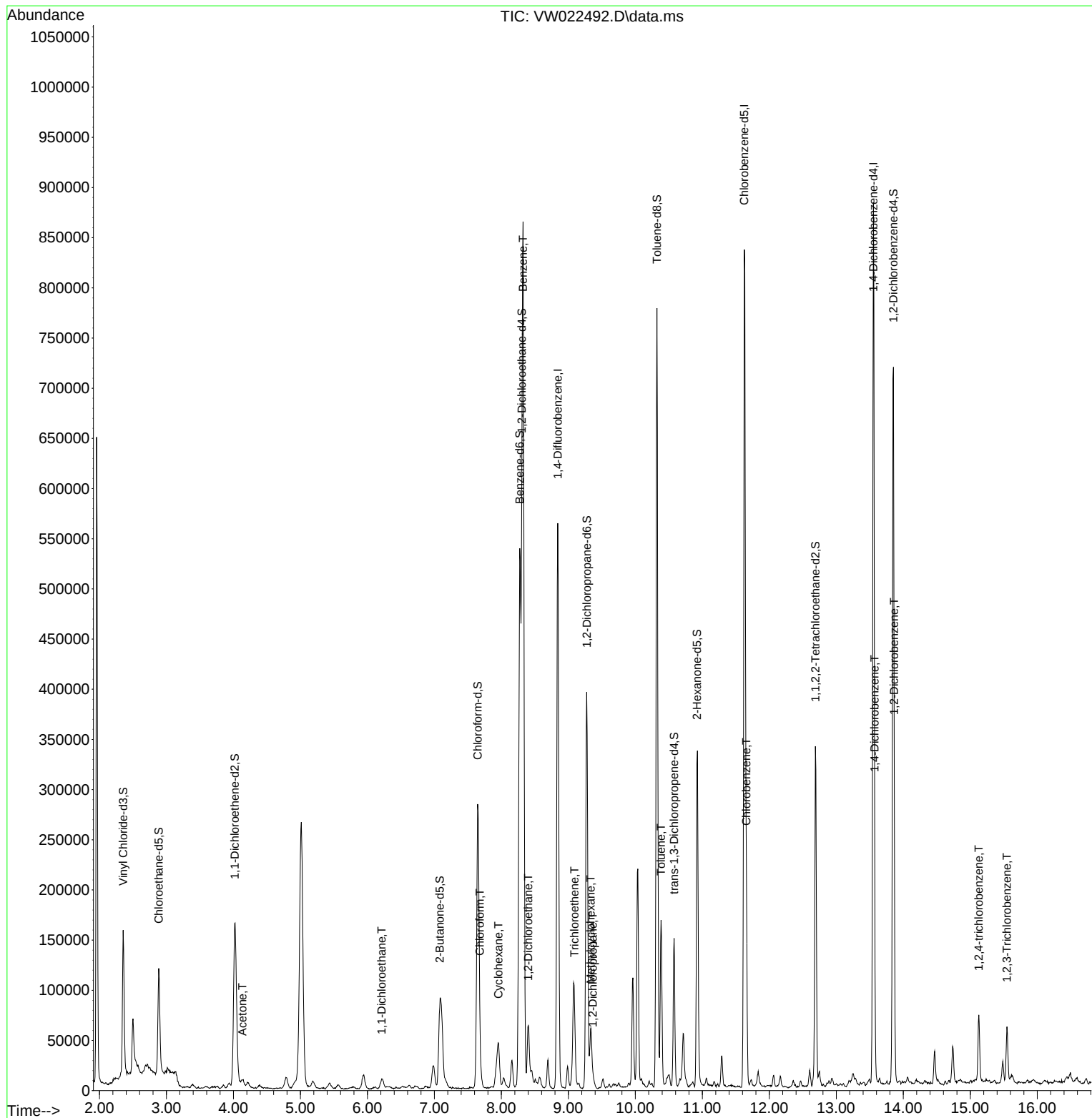
Target Compounds						Qvalue
13) Acetone	4.135	43	13100	10.861	ug/L	68
19) 1,1-Dichloroethane	6.214	63	11478	0.869	ug/L	93
25) Chloroform	7.677	83	19589	1.408	ug/L	100
27) 1,2-Dichloroethane	8.402	62	53437	5.465	ug/L #	93
29) Cyclohexane	7.957	56	26250	2.056	ug/L	98
33) Benzene	8.323	78	723876	23.903	ug/L	100
34) Trichloroethene	9.091	95	14834	1.829	ug/L	92
35) Methylcyclohexane	9.335	83	23756	1.633	ug/L	97
37) 1,2-Dichloropropane	9.366	63	2791	0.385	ug/L	100
42) Toluene	10.384	91	63362	1.826	ug/L	92
51) Chlorobenzene	11.658	112	96101	4.532	ug/L	94
65) 1,4-Dichlorobenzene	13.572	146	13354	0.944	ug/L	95
67) 1,2-Dichlorobenzene	13.865	146	14101	1.112	ug/L	96
70) 1,2,4-trichlorobenzene	15.127	180	18876	2.430	ug/L	97
72) 1,2,3-Trichlorobenzene	15.547	180	10224	1.540	ug/L #	92

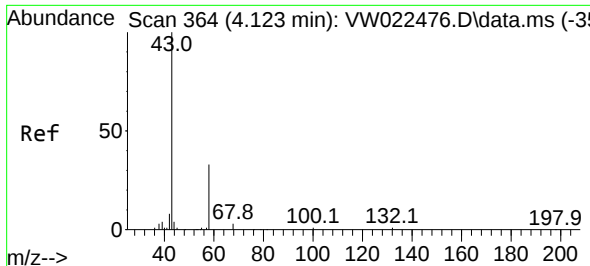
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Mon Apr 11 23:55:29 2022
Response via : Initial Calibration

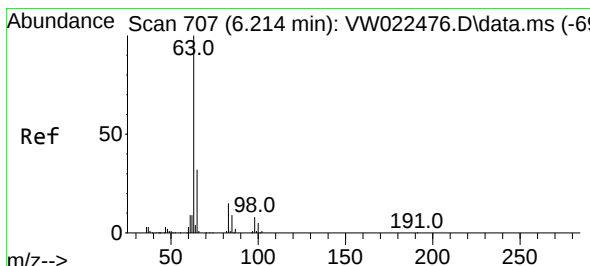
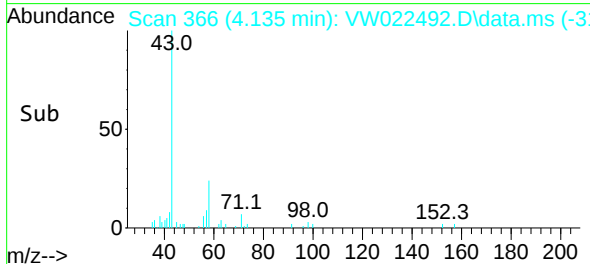
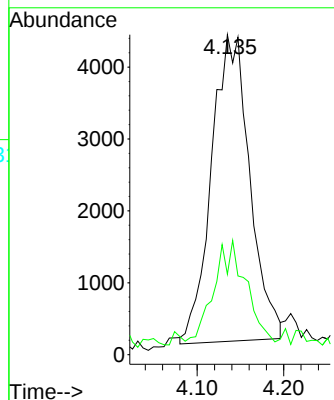
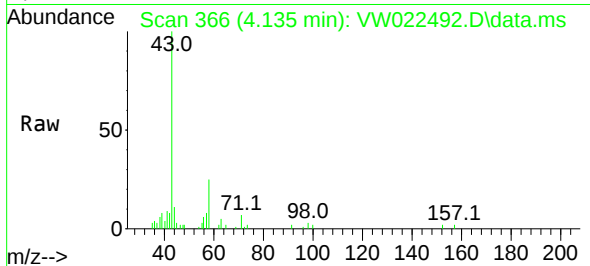




#13
Acetone
Concen: 10.861 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.012 min
Lab File: VW022492.D
Acq: 11 Apr 2022 18:57

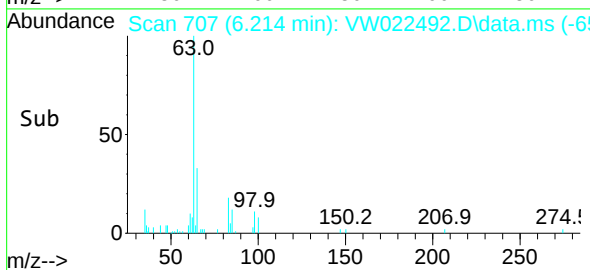
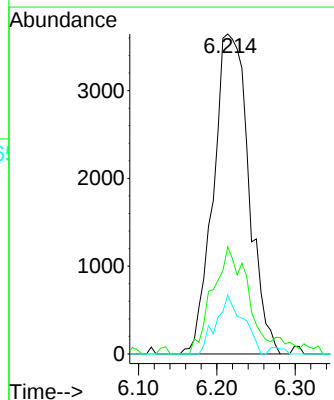
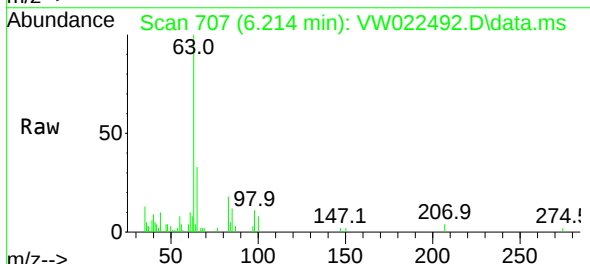
Instrument :
MSVOA_W
ClientSampleId :
ETNR3

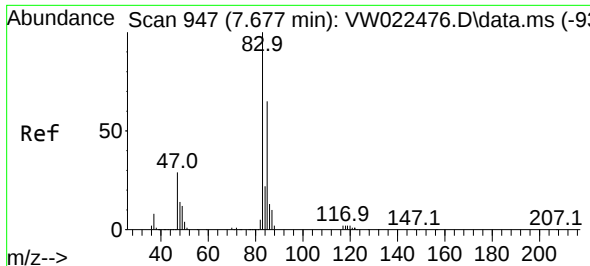
Tgt Ion: 43 Resp: 13100
Ion Ratio Lower Upper
43 100
58 11.6 0.0 57.0



#19
1,1-Dichloroethane
Concen: 0.869 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.000 min
Lab File: VW022492.D
Acq: 11 Apr 2022 18:57

Tgt Ion: 63 Resp: 11478
Ion Ratio Lower Upper
63 100
65 33.4 21.1 39.3
83 18.4 10.1 18.9

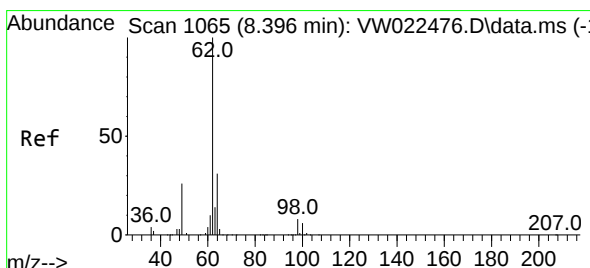
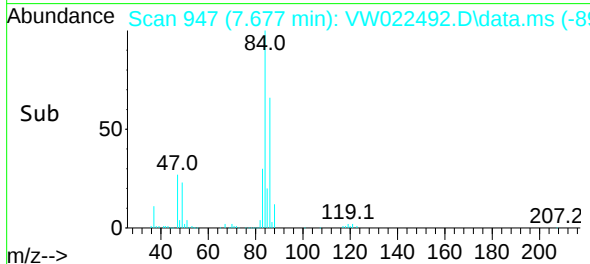
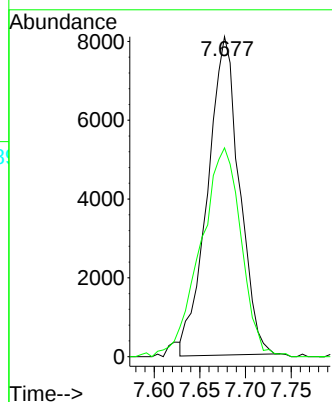
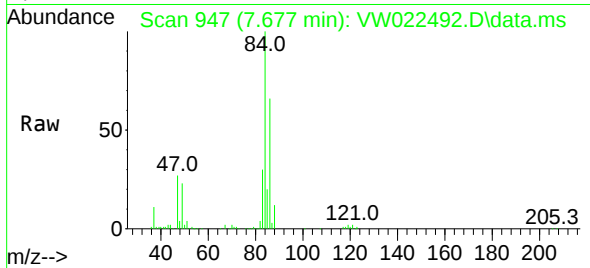




#25
Chloroform
Concen: 1.408 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW022492.D
Acq: 11 Apr 2022 18:57

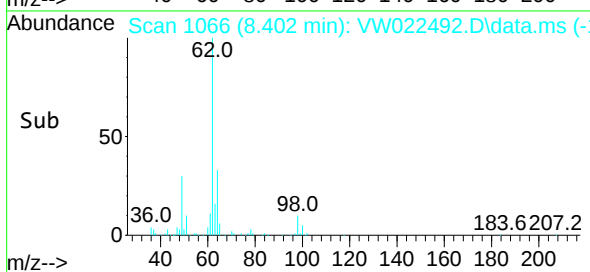
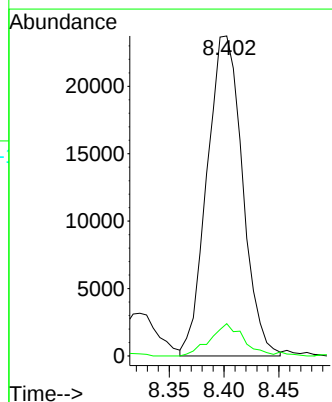
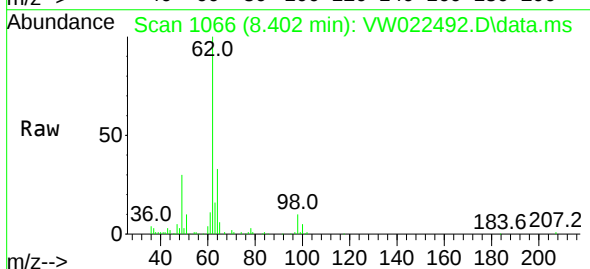
Instrument :
MSVOA_W
ClientSampleId :
ETNR3

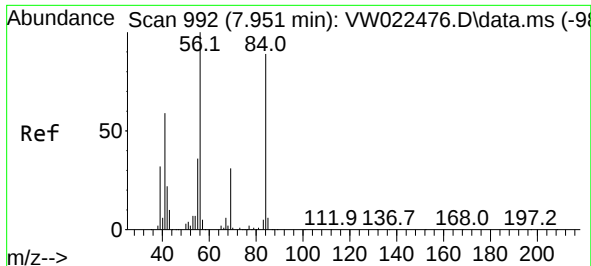
Tgt Ion: 83 Resp: 19589
Ion Ratio Lower Upper
83 100
85 65.3 45.8 85.0



#27
1,2-Dichloroethane
Concen: 5.465 ug/L
RT: 8.402 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW022492.D
Acq: 11 Apr 2022 18:57

Tgt Ion: 62 Resp: 53437
Ion Ratio Lower Upper
62 100
98 10.1 6.2 9.2#

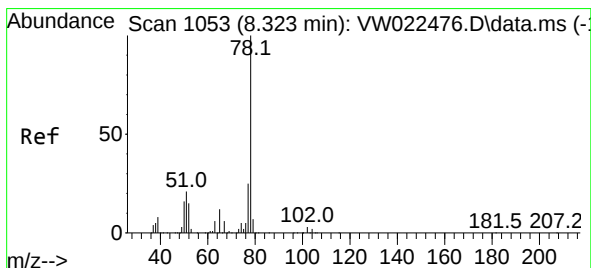
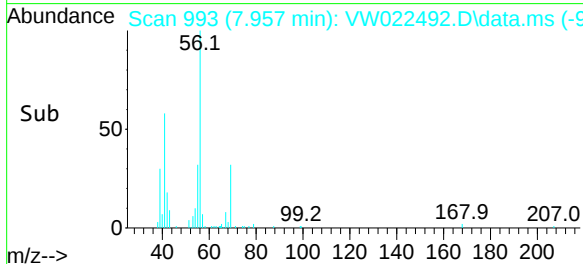
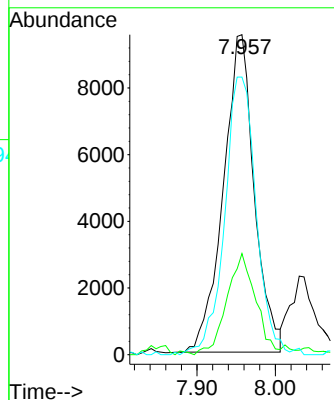
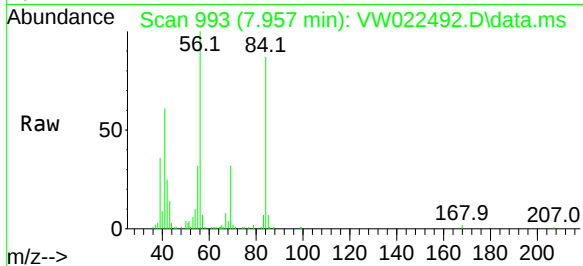




#29
Cyclohexane
Concen: 2.056 ug/L
RT: 7.957 min Scan# 993
Delta R.T. 0.006 min
Lab File: VW022492.D
Acq: 11 Apr 2022 18:57

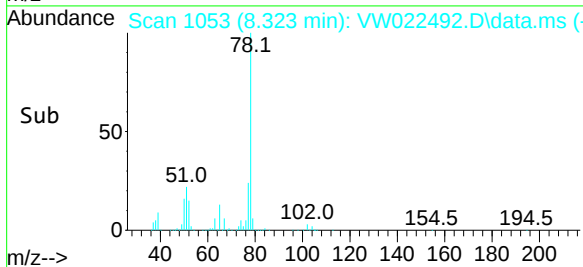
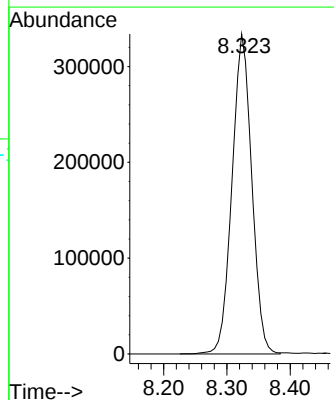
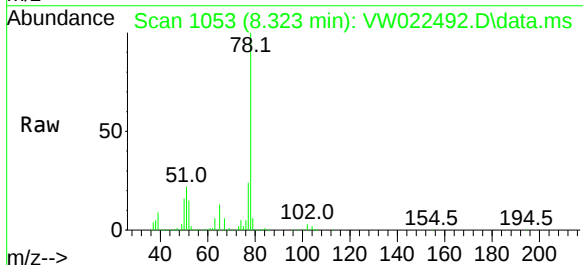
Instrument :
MSVOA_W
ClientSampleId :
ETNR3

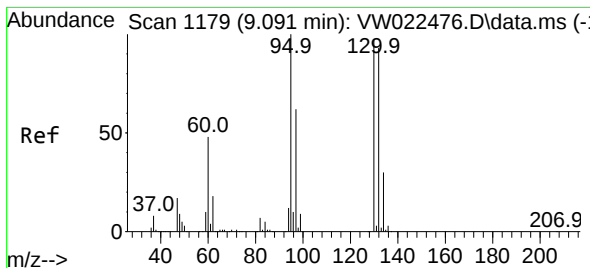
Tgt Ion: 56 Resp: 26250
Ion Ratio Lower Upper
56 100
69 29.6 24.4 36.6
84 88.4 72.6 108.8



#33
Benzene
Concen: 23.903 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW022492.D
Acq: 11 Apr 2022 18:57

Tgt Ion: 78 Resp: 723876





#34

Trichloroethene

Concen: 1.829 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW022492.D

Acq: 11 Apr 2022 18:57

Instrument :

MSVOA_W

ClientSampleId :

ETNR3

Tgt Ion: 95 Resp: 14834

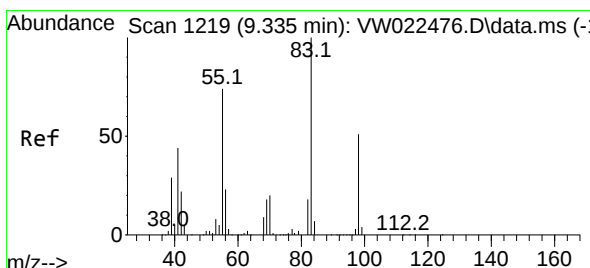
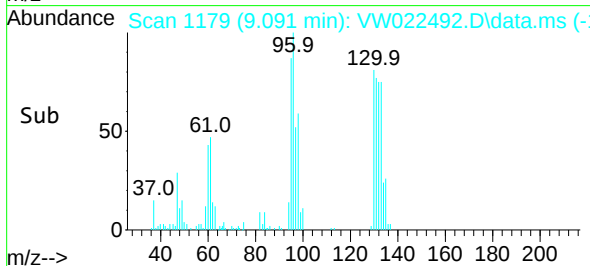
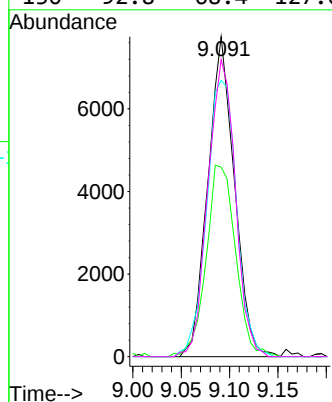
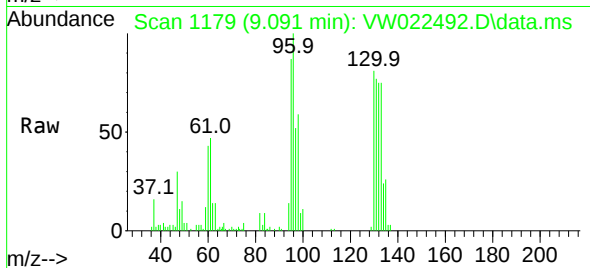
Ion Ratio Lower Upper

95 100

97 59.3 46.4 86.2

132 86.4 67.4 125.2

130 92.8 68.4 127.0



#35

Methylcyclohexane

Concen: 1.633 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW022492.D

Acq: 11 Apr 2022 18:57

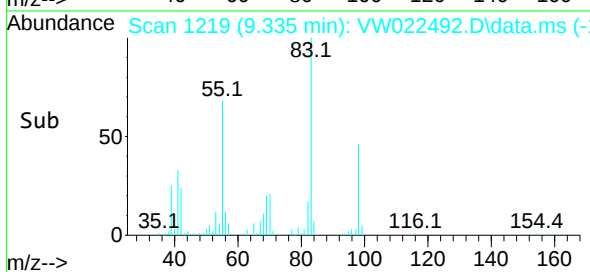
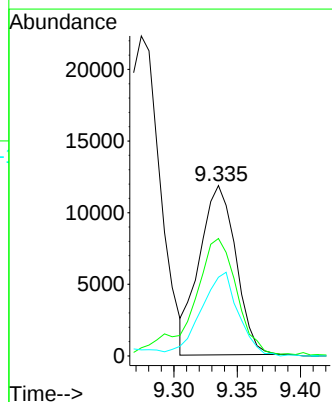
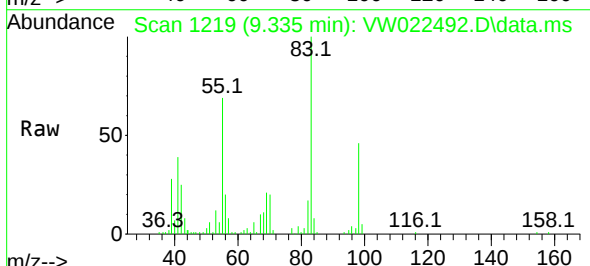
Tgt Ion: 83 Resp: 23756

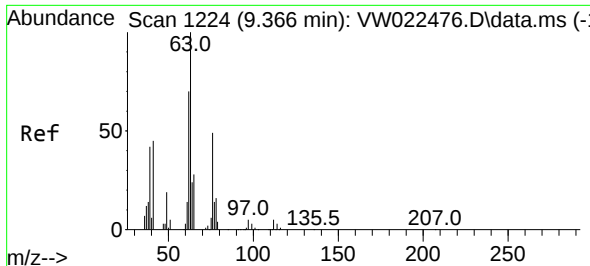
Ion Ratio Lower Upper

83 100

55 72.8 61.0 91.6

98 50.5 39.2 58.8





#37

1,2-Dichloropropane

Concen: 0.385 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022492.D

Acq: 11 Apr 2022 18:57

Instrument :

MSVOA_W

ClientSampleId :

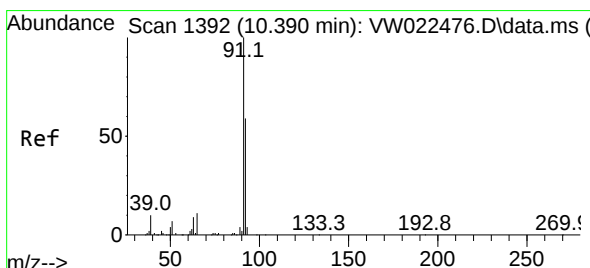
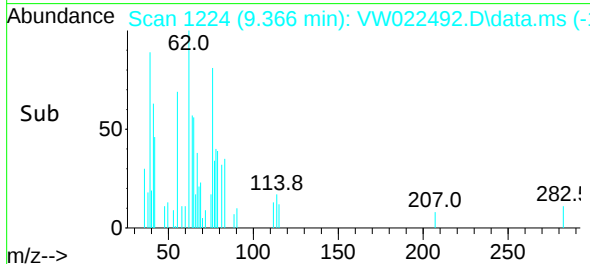
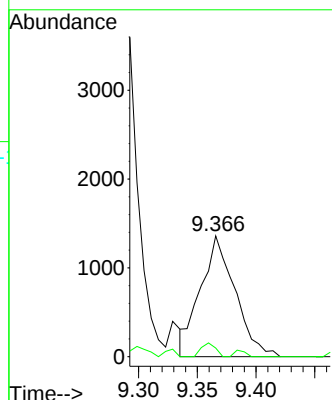
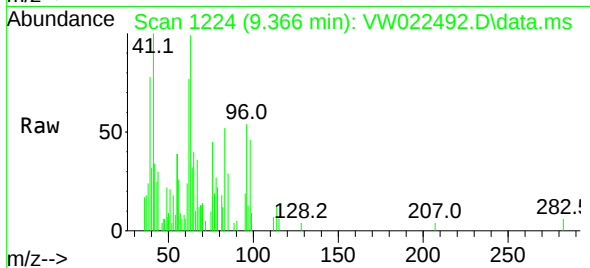
ETNR3

Tgt Ion: 63 Resp: 2791

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#42

Toluene

Concen: 1.826 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.006 min

Lab File: VW022492.D

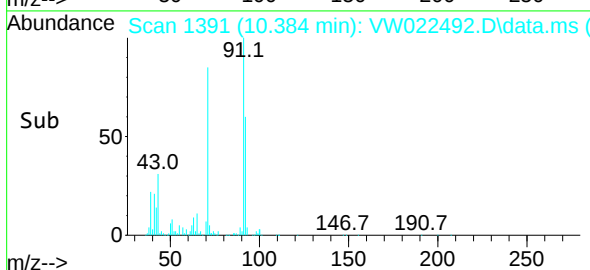
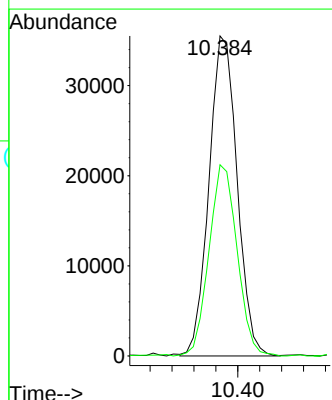
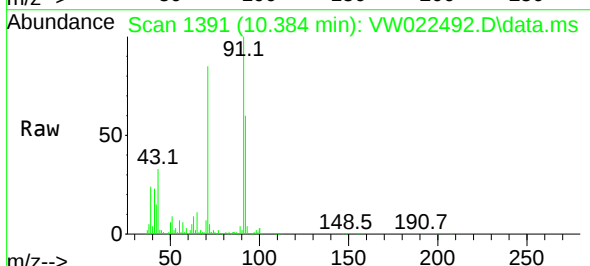
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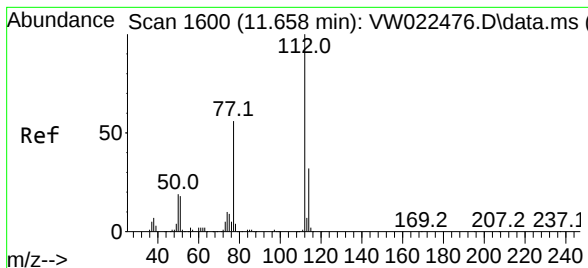
Tgt Ion: 91 Resp: 63362

Ion Ratio Lower Upper

91 100

92 59.7 38.0 70.6

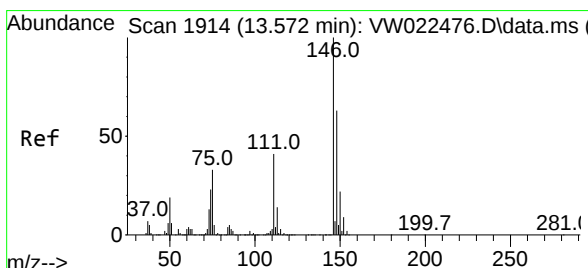
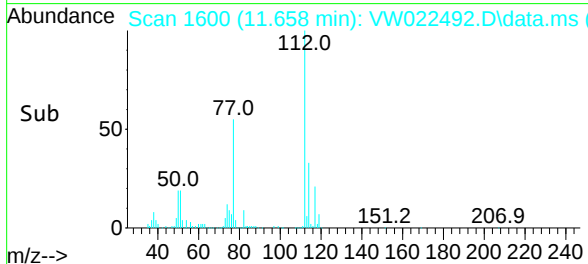
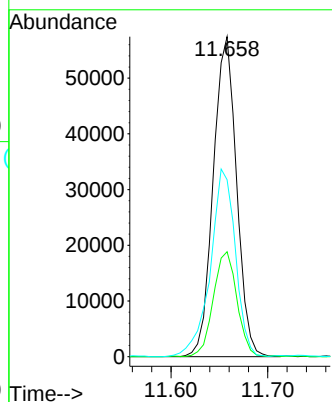
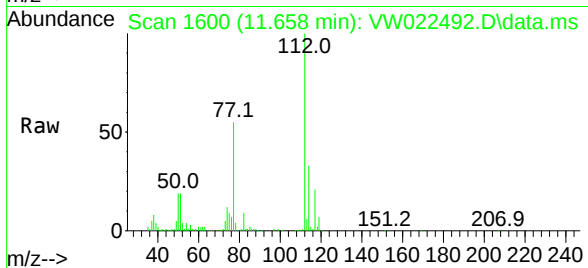




#51
Chlorobenzene
Concen: 4.532 ug/L
RT: 11.658 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW022492.D
Acq: 11 Apr 2022 18:57

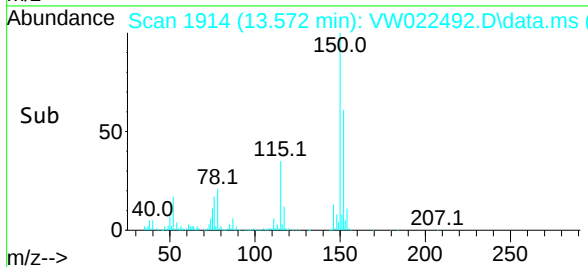
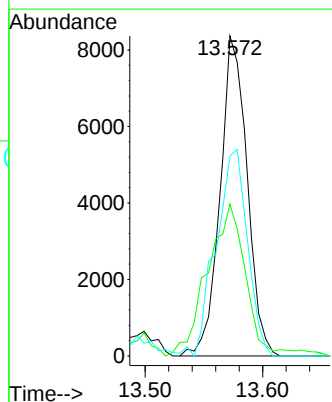
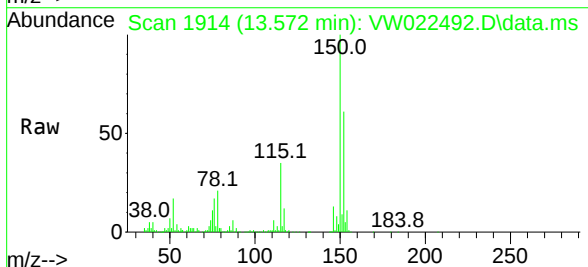
Instrument :
MSVOA_W
ClientSampleId :
ETNR3

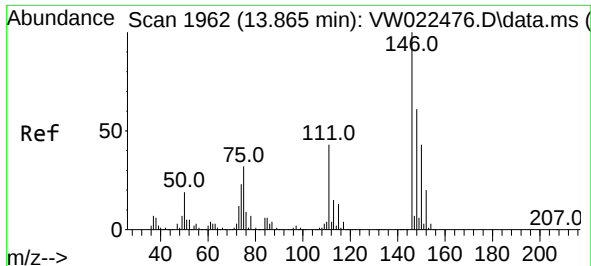
Tgt Ion:112 Resp: 96101
Ion Ratio Lower Upper
112 100
114 32.8 20.5 38.1
77 55.3 48.1 72.1



#65
1,4-Dichlorobenzene
Concen: 0.944 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW022492.D
Acq: 11 Apr 2022 18:57

Tgt Ion:146 Resp: 13354
Ion Ratio Lower Upper
146 100
111 47.4 28.5 52.9
148 62.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 1.112 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW022492.D

Acq: 11 Apr 2022 18:57

Instrument :

MSVOA_W

ClientSampleId :

ETNR3

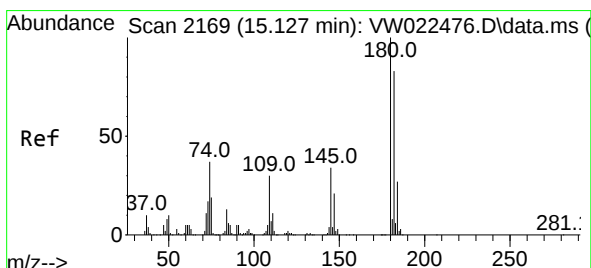
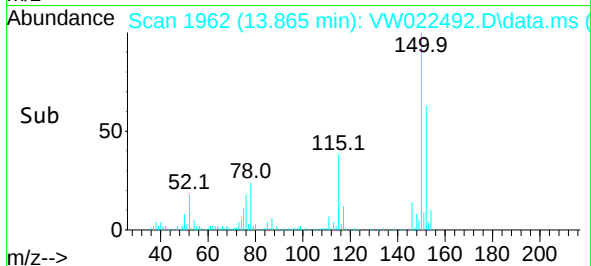
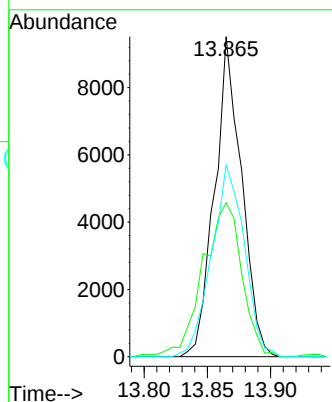
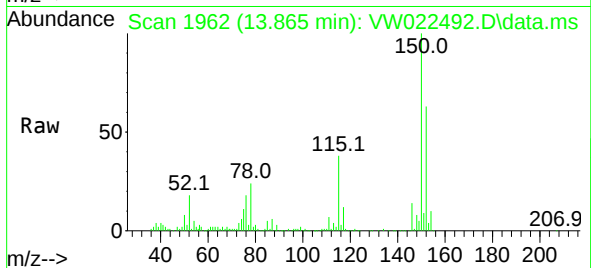
Tgt Ion:146 Resp: 14101

Ion Ratio Lower Upper

146 100

111 48.1 39.0 58.4

148 59.9 52.1 78.1



#70

1,2,4-trichlorobenzene

Concen: 2.430 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW022492.D

Acq: 11 Apr 2022 18:57

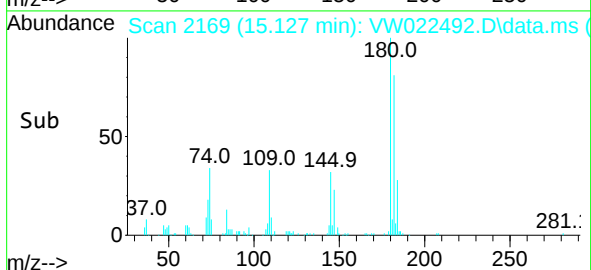
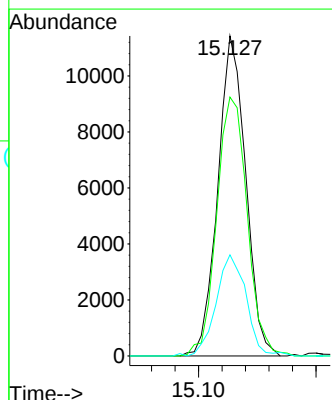
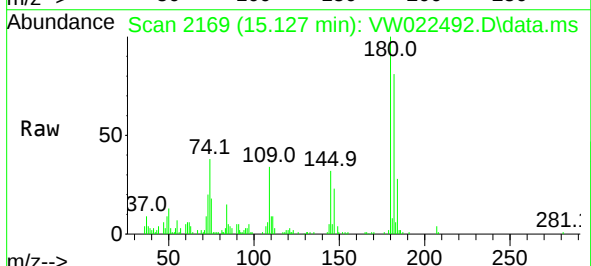
Tgt Ion:180 Resp: 18876

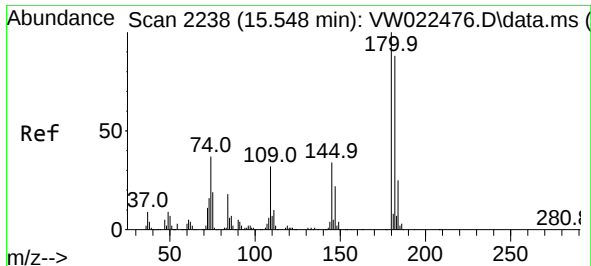
Ion Ratio Lower Upper

180 100

182 88.2 72.8 109.2

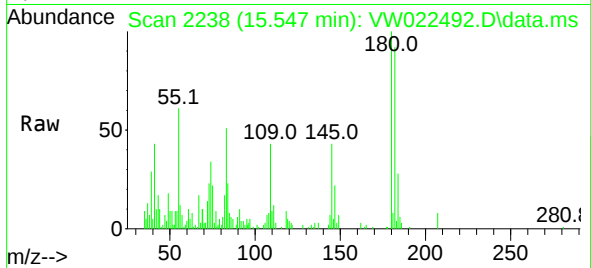
145 33.5 25.5 38.3





#72
 1,2,3-Trichlorobenzene
 Concen: 1.540 ug/L
 RT: 15.547 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW022492.D
 Acq: 11 Apr 2022 18:57

Instrument :
 MSVOA_W
 ClientSampleId :
 ETNR3



Tgt Ion:180 Resp: 10224
 Ion Ratio Lower Upper
 180 100
 182 98.3 73.4 110.0
 145 40.9 27.0 40.6#

