

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
 Data File : VW026527.D
 Acq On : 05 Jul 2023 12:54
 Operator : SY/MD
 Sample : 03501-05RE
 Misc : 4.55g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46W2

Quant Time: Jul 06 02:28:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jul 04 13:17:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	937660	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	717240	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	227342	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	223797	15.873	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.480%
7) Chloroethane-d5	2.893	69	204110	17.498	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.000%
11) 1,1-Dichloroethene-d2	4.021	65	112008	17.032	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.120%
21) 2-Butanone-d5	7.075	46	202281	37.503	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.000%
24) Chloroform-d	7.648	84	525339	19.017	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.080%
26) 1,2-Dichloroethane-d4	8.307	65	318477	19.822	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	79.280%
32) Benzene-d6	8.270	84	1033920	22.609	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.440%
36) 1,2-Dichloropropane-d6	9.276	67	343183	23.538	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.160%
41) Toluene-d8	10.325	98	865476	21.081	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.320%
43) trans-1,3-Dichloroprop...	10.575	79	128124	21.667	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.680%
47) 2-Hexanone-d5	10.922	63	140952	48.555	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.120%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	248852	19.506	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.040%
66) 1,2-Dichlorobenzene-d4	13.855	152	162718	18.022	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	72.080%#
Target Compounds						Qvalue
5) Vinyl chloride	2.375	62	21070	1.238	ug/L #	69
8) Chloroethane	2.930	64	130124	12.692	ug/L	96
13) Acetone	4.119	43	214983	64.265	ug/L	96
14) Carbon disulfide	4.393	76	39843	1.061	ug/L	99
19) 1,1-Dichloroethane	6.216	63	59810	2.086	ug/L	95
20) cis-1,2-Dichloroethene	7.173	96	12744	0.834	ug/L	89
22) 2-Butanone	7.173	43	95655	15.363	ug/L	94
29) Cyclohexane	7.953	56	20843	1.043	ug/L	97
35) Methylcyclohexane	9.331	83	38807	1.918	ug/L #	62
48) 2-Hexanone	10.928	43	46933	6.835	ug/L #	39
52) Ethylbenzene	11.727	91	70992	1.272	ug/L	94
53) m,p-Xylene	11.843	106	41598	2.038	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.684	83	9995	0.816	ug/L #	68
60) Isopropylbenzene	12.458	105	25685	0.737	ug/L #	88
67) 1,2-Dichlorobenzene	13.867	146	167479	11.984	ug/L #	75
68) 1,2-Dibromo-3-chloropr...	14.409	75	2007	1.344	ug/L #	15
70) 1,2,4-trichlorobenzene	15.129	180	5836	0.725	ug/L #	1
72) 1,2,3-Trichlorobenzene	15.562	180	6659	0.926	ug/L #	6

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Misc : 4.55g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

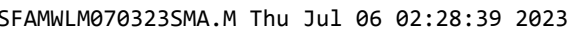
Instrument :
MSVOA_W
ClientSampleId :
A46W2

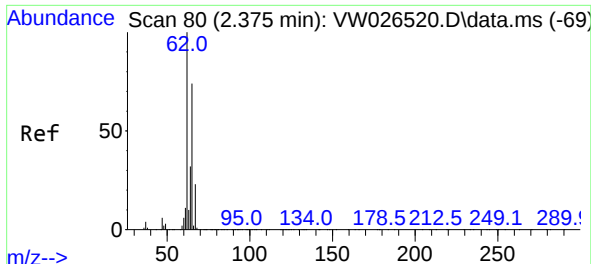
Quant Time: Jul 06 02:28:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Jul 04 13:17:14 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Jul 06 02:28:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0
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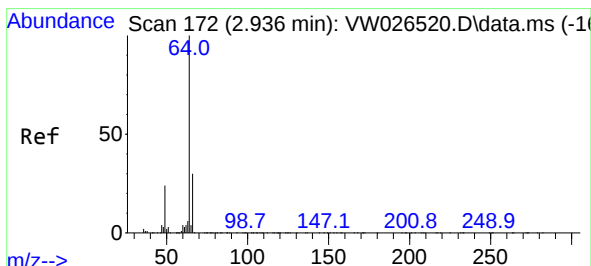
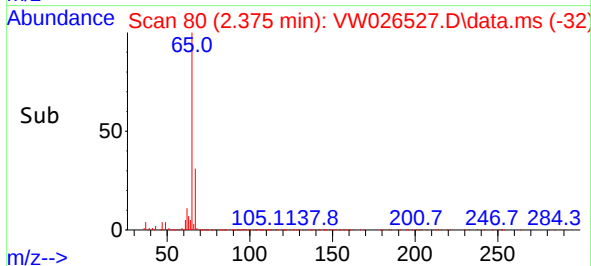
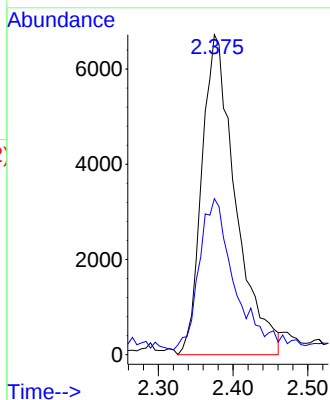
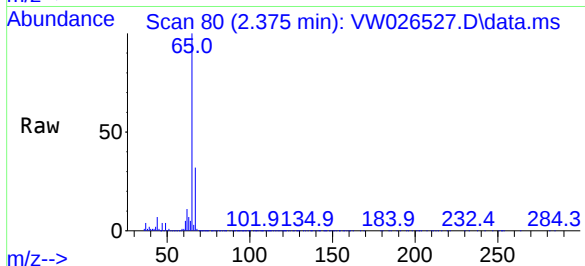




#5
 Vinyl chloride
 Concen: 1.238 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VW026527.D
 Acq: 05 Jul 2023 12:54

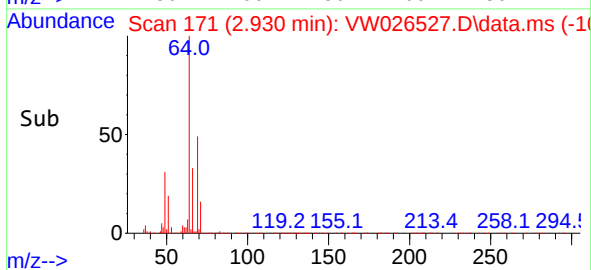
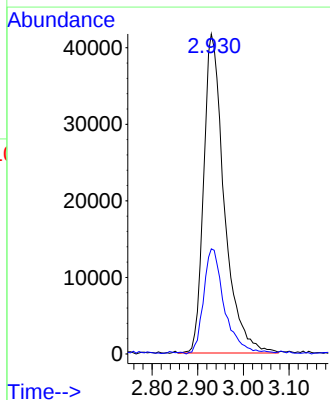
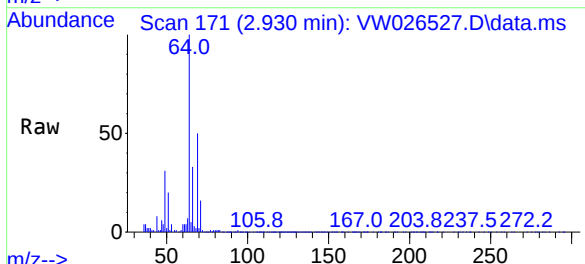
Instrument :
 MSVOA_W
 ClientSampleId :
 A46W2

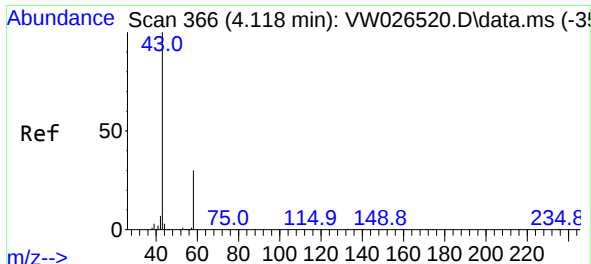
Tgt Ion: 62 Resp: 21070
 Ion Ratio Lower Upper
 62 100
 64 48.8 22.1 41.1#



#8
 Chloroethane
 Concen: 12.692 ug/L
 RT: 2.930 min Scan# 171
 Delta R.T. -0.000 min
 Lab File: VW026527.D
 Acq: 05 Jul 2023 12:54

Tgt Ion: 64 Resp: 130124
 Ion Ratio Lower Upper
 64 100
 66 32.9 21.6 40.2

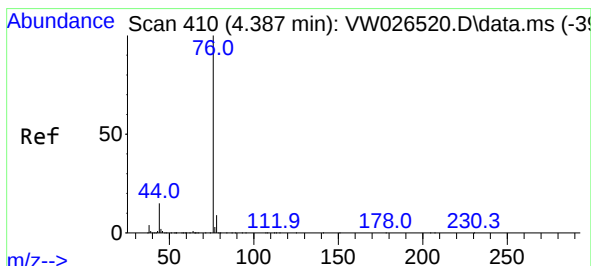
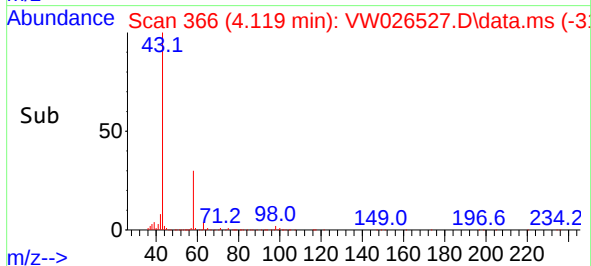
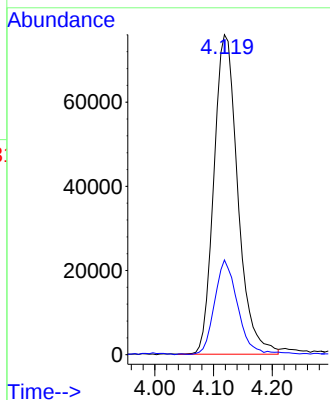
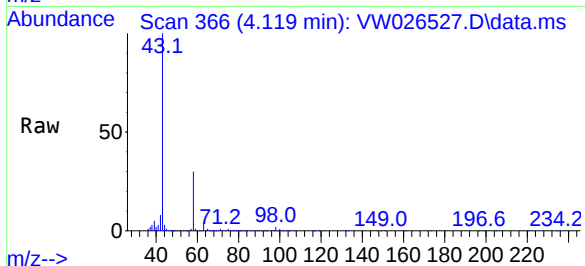




#13
Acetone
Concen: 64.265 ug/L
RT: 4.119 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW026527.D
Acq: 05 Jul 2023 12:54

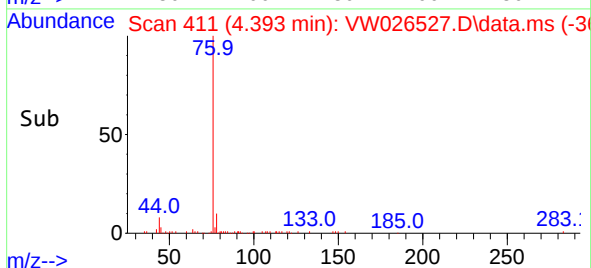
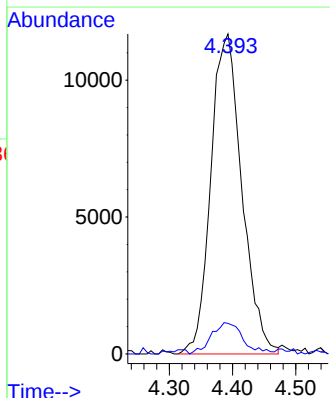
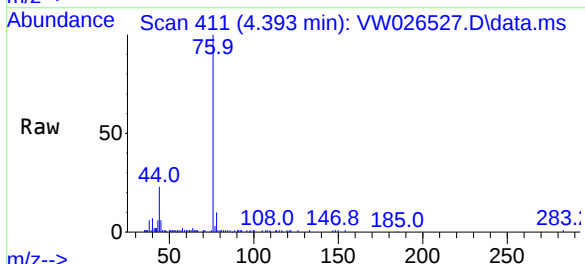
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ClientSampleId :
A46W2

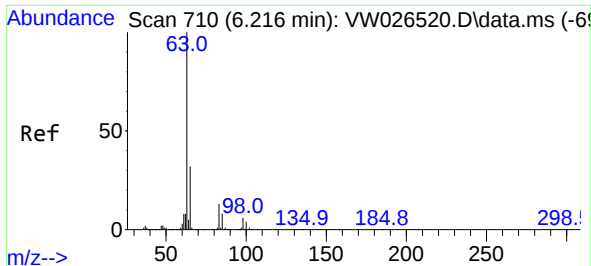
Tgt Ion: 43 Resp: 214983
Ion Ratio Lower Upper
43 100
58 27.8 0.0 59.6



#14
Carbon disulfide
Concen: 1.061 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.006 min
Lab File: VW026527.D
Acq: 05 Jul 2023 12:54

Tgt Ion: 76 Resp: 39843
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8





#19

1,1-Dichloroethane

Concen: 2.086 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026527.D

Acq: 05 Jul 2023 12:54

Instrument :

MSVOA_W

ClientSampleId :

A46W2

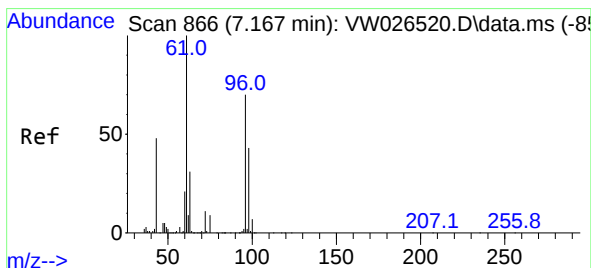
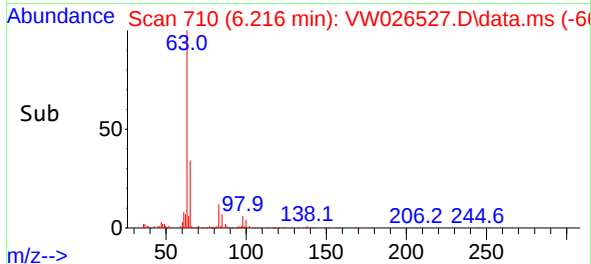
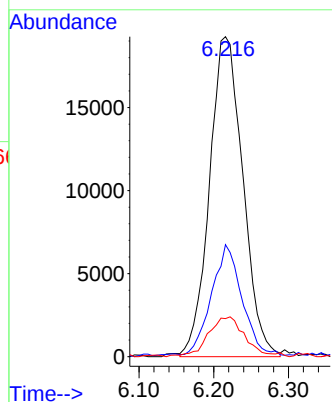
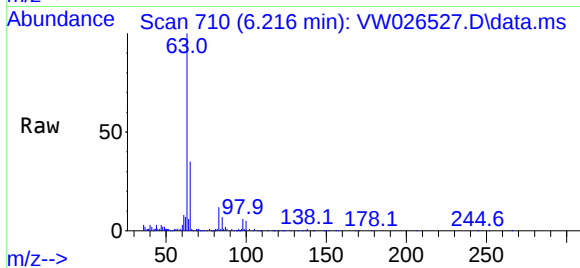
Tgt Ion: 63 Resp: 59810

Ion Ratio Lower Upper

63 100

65 35.0 21.8 40.4

83 11.9 8.6 16.0



#20

cis-1,2-Dichloroethene

Concen: 0.834 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW026527.D

Acq: 05 Jul 2023 12:54

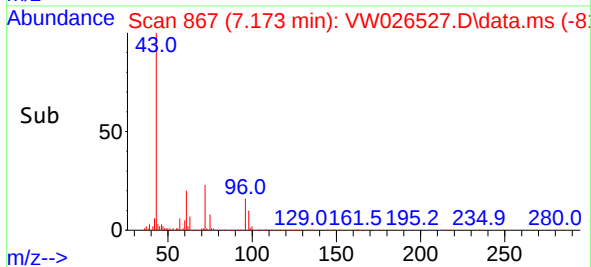
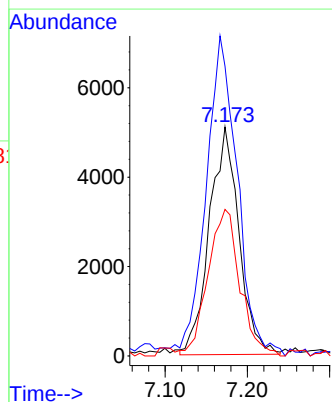
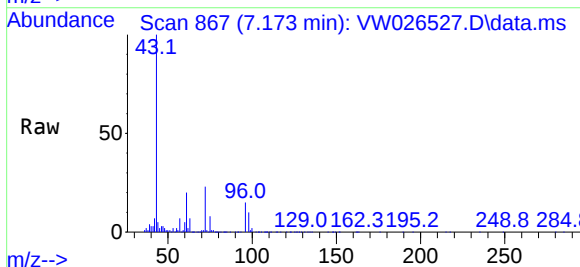
Tgt Ion: 96 Resp: 12744

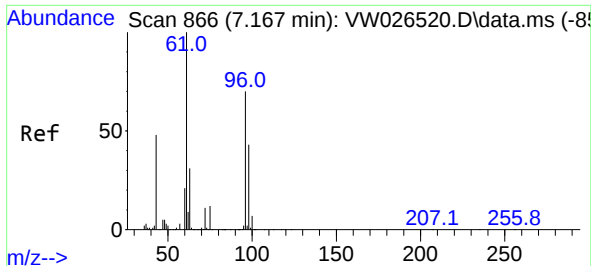
Ion Ratio Lower Upper

96 100

61 126.5 101.9 189.3

98 64.0 45.9 85.3

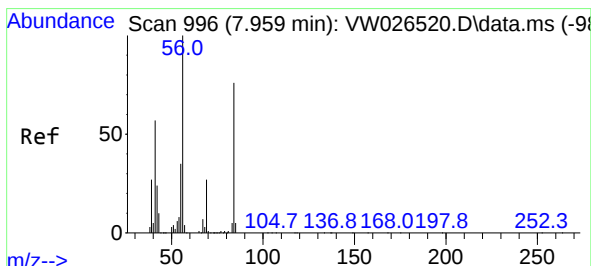
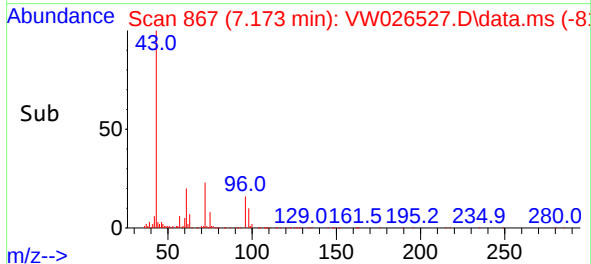
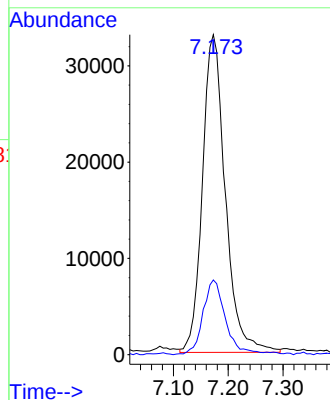
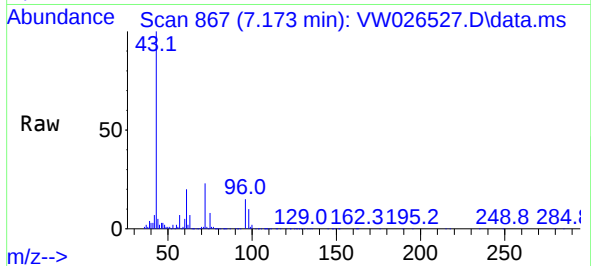




#22
2-Butanone
Concen: 15.363 ug/L
RT: 7.173 min Scan# 867
Delta R.T. -0.000 min
Lab File: VW026527.D
Acq: 05 Jul 2023 12:54

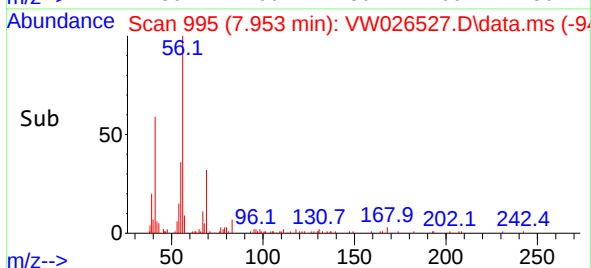
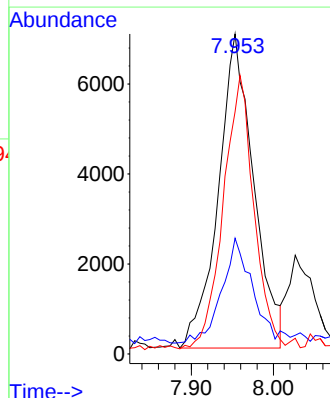
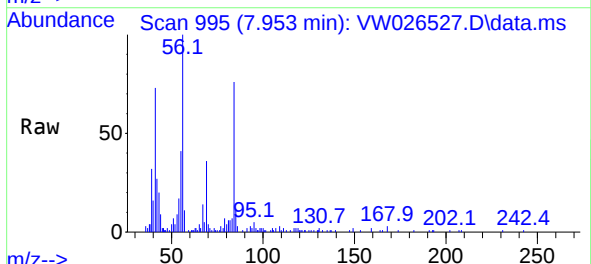
Instrument :
MSVOA_W
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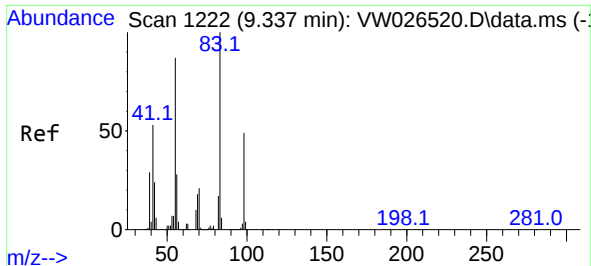
Tgt Ion: 43 Resp: 95655
Ion Ratio Lower Upper
43 100
72 21.3 12.0 36.1



#29
Cyclohexane
Concen: 1.043 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.000 min
Lab File: VW026527.D
Acq: 05 Jul 2023 12:54

Tgt Ion: 56 Resp: 20843
Ion Ratio Lower Upper
56 100
69 28.1 22.9 34.3
84 75.3 62.5 93.7





#35

Methylcyclohexane

Concen: 1.918 ug/L

RT: 9.331 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026527.D

Acq: 05 Jul 2023 12:54

Instrument :

MSVOA_W

ClientSampleId :

A46W2

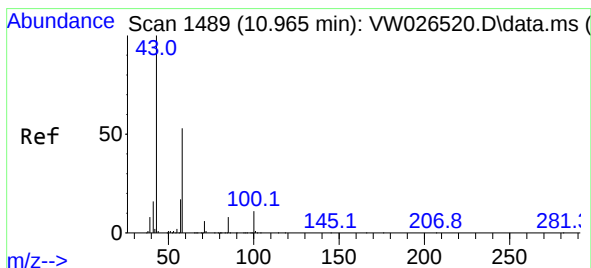
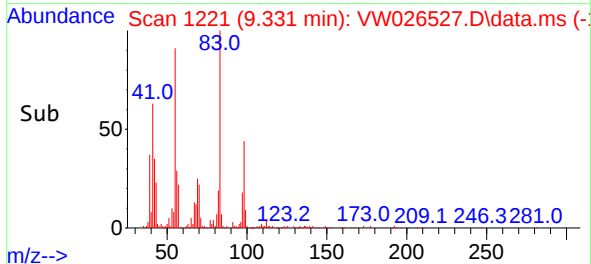
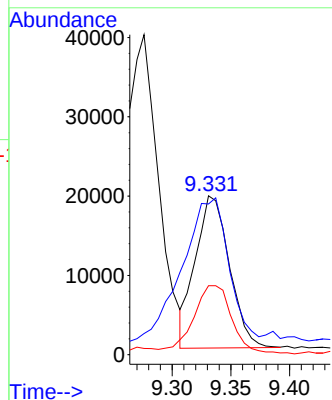
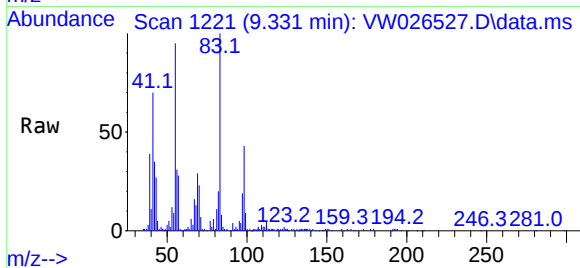
Tgt Ion: 83 Resp: 38807

Ion Ratio Lower Upper

83 100

55 135.2 67.5 101.3#

98 51.0 37.3 55.9



#48

2-Hexanone

Concen: 6.835 ug/L

RT: 10.928 min Scan# 1483

Delta R.T. -0.037 min

Lab File: VW026527.D

Acq: 05 Jul 2023 12:54

Tgt Ion: 43 Resp: 46933

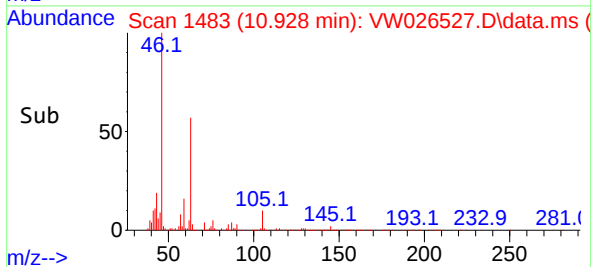
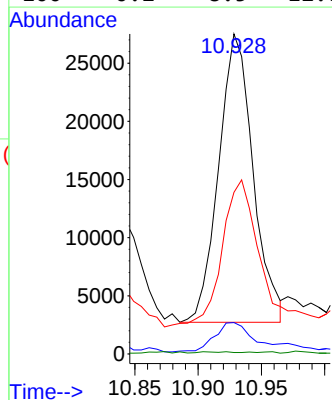
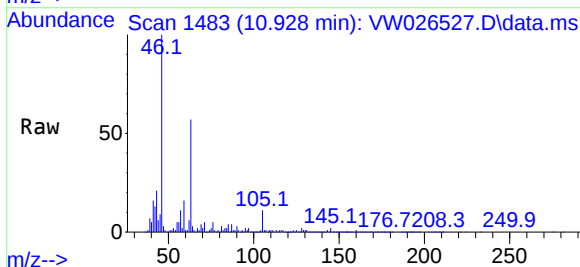
Ion Ratio Lower Upper

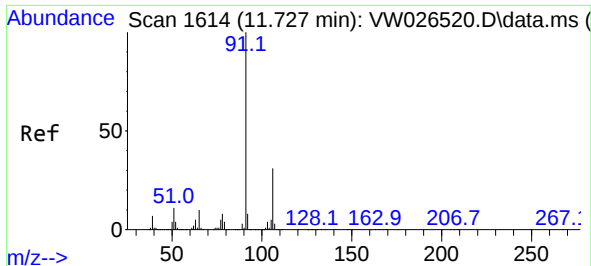
43 100

58 10.1 39.9 59.9#

57 57.6 14.1 21.1#

100 0.2 8.5 12.7#

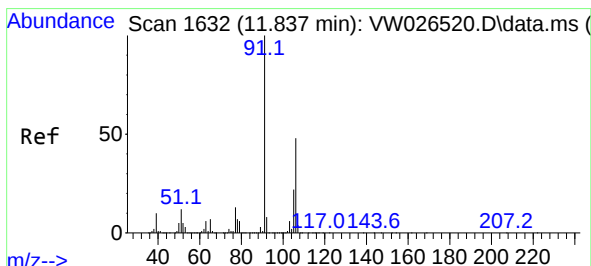
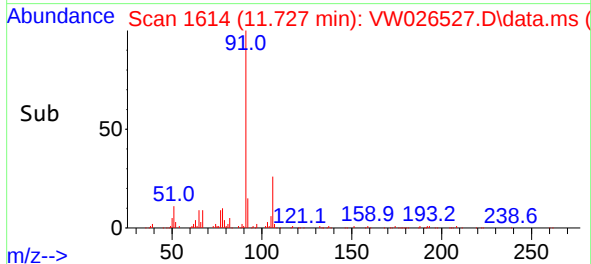
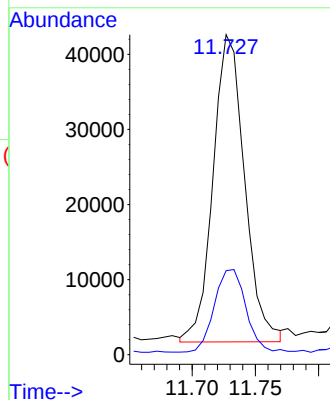
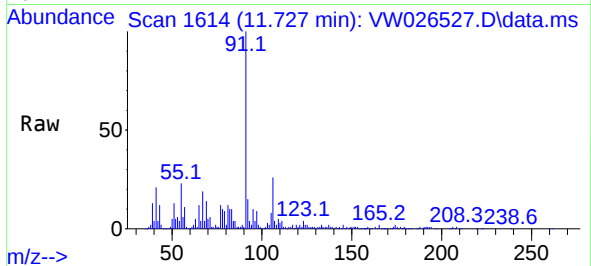




#52
Ethylbenzene
Concen: 1.272 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026527.D
Acq: 05 Jul 2023 12:54

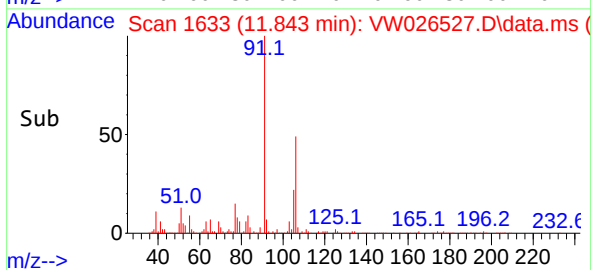
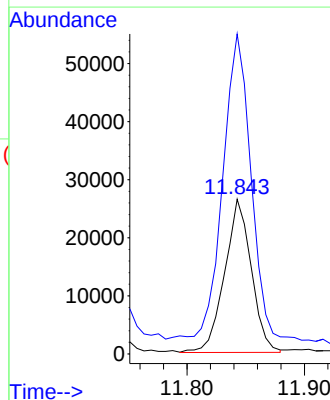
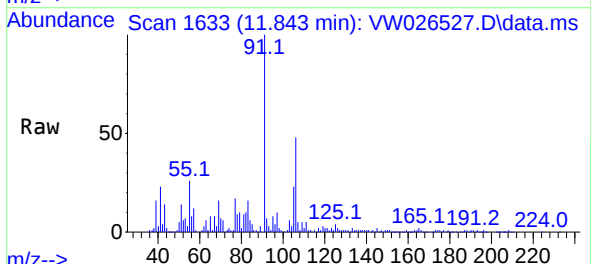
Instrument :
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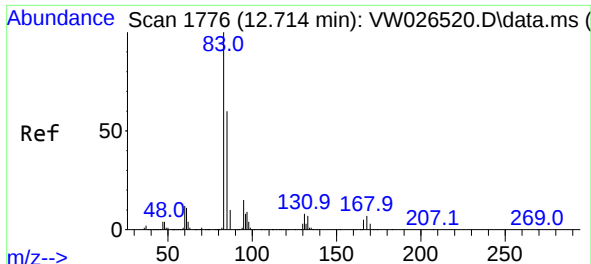
Tgt Ion: 91 Resp: 70992
Ion Ratio Lower Upper
91 100
106 26.3 20.7 38.5



#53
m,p-Xylene
Concen: 2.038 ug/L
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW026527.D
Acq: 05 Jul 2023 12:54

Tgt Ion: 106 Resp: 41598
Ion Ratio Lower Upper
106 100
91 206.9 152.7 283.7



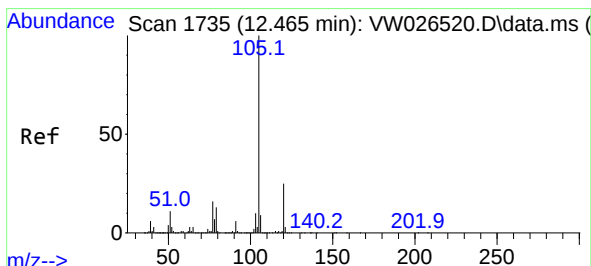
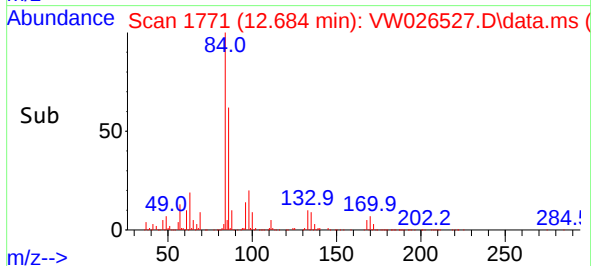
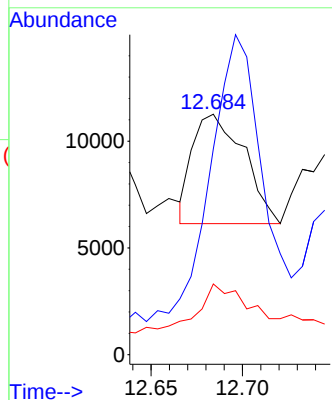
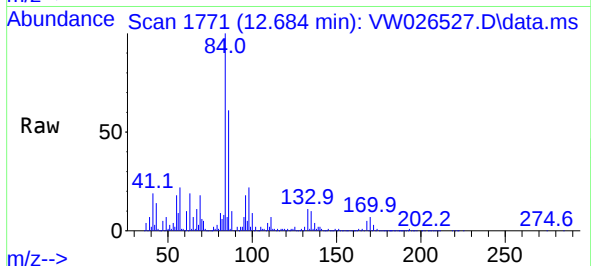


#57
1,1,2,2-Tetrachloroethane
Concen: 0.816 ug/L
RT: 12.684 min Scan# 1776
Delta R.T. -0.031 min
Lab File: VW026527.D
Acq: 05 Jul 2023 12:54

Instrument :
MSVOA_W
ClientSampleId :
A46W2

Tgt Ion: 83 Resp: 9995

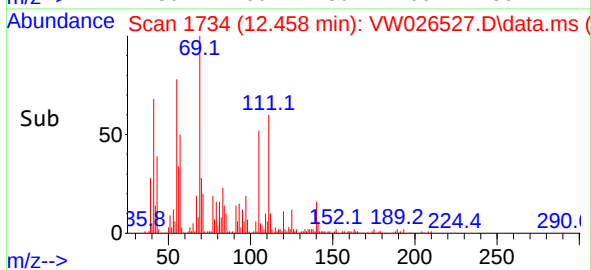
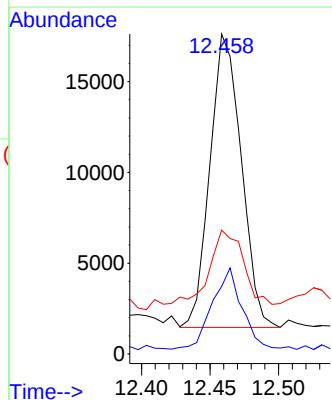
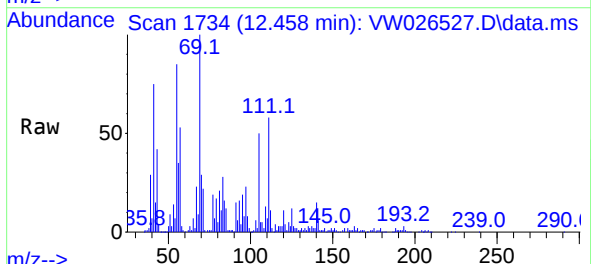
Ion	Ratio	Lower	Upper
83	100		
85	85.6	44.4	82.5#
131	29.4	7.2	10.8#

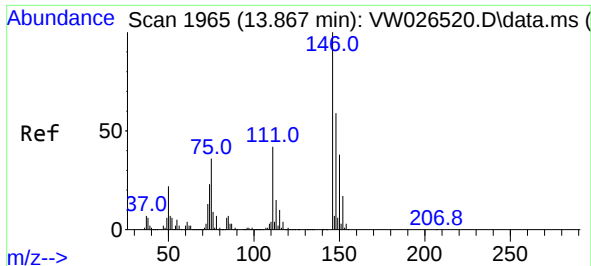


#60
Isopropylbenzene
Concen: 0.737 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VW026527.D
Acq: 05 Jul 2023 12:54

Tgt Ion: 105 Resp: 25685

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.3	30.5
77	28.6	13.4	20.0#

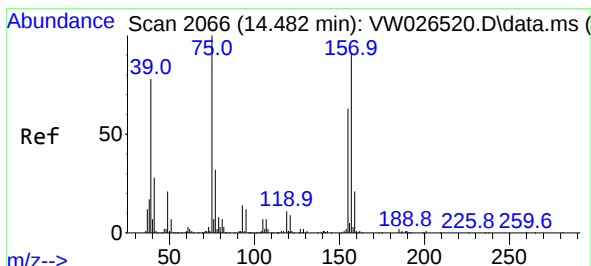
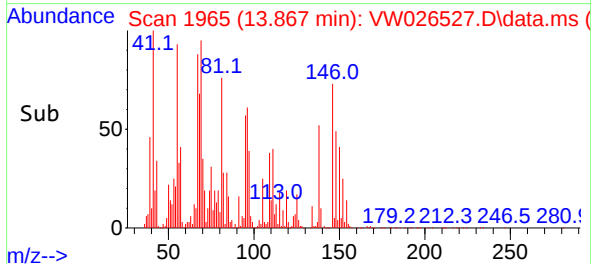
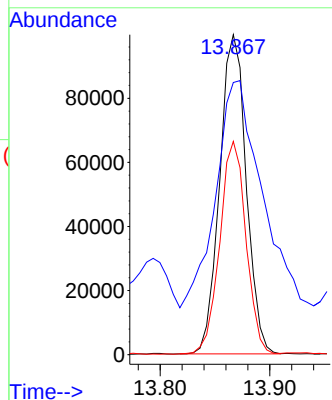
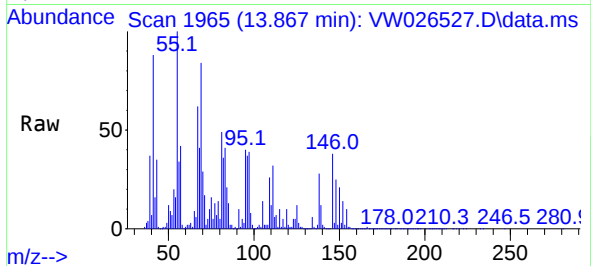




#67
1,2-Dichlorobenzene
Concen: 11.984 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW026527.D
Acq: 05 Jul 2023 12:54

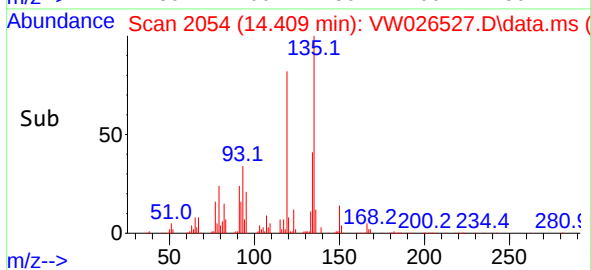
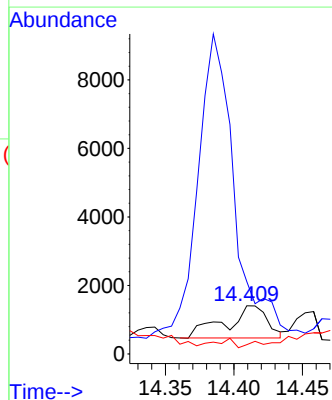
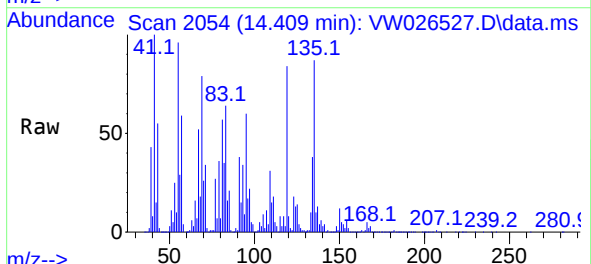
Instrument :
MSVOA_W
ClientSampleId :
A46W2

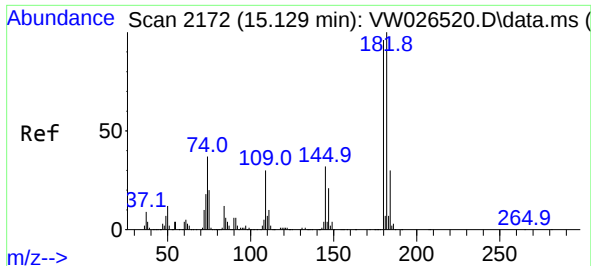
Tgt Ion:146 Resp: 167479
Ion Ratio Lower Upper
146 100
111 85.1 36.6 55.0#
148 66.7 55.1 82.7



#68
1,2-Dibromo-3-chloropropane
Concen: 1.344 ug/L
RT: 14.409 min Scan# 2054
Delta R.T. -0.073 min
Lab File: VW026527.D
Acq: 05 Jul 2023 12:54

Tgt Ion: 75 Resp: 2007
Ion Ratio Lower Upper
75 100
155 150.5 57.3 85.9#
157 19.4 76.9 115.3#

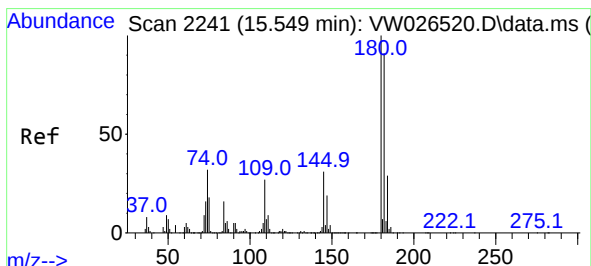
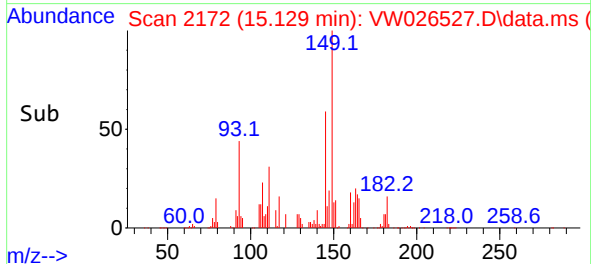
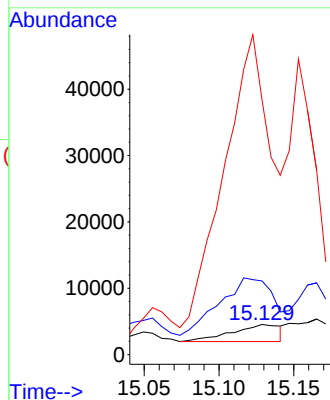
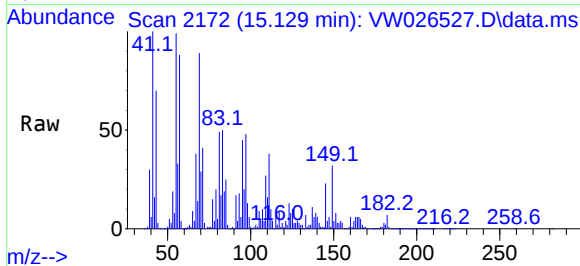




#70
1,2,4-trichlorobenzene
Concen: 0.725 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW026527.D
Acq: 05 Jul 2023 12:54

Instrument :
MSVOA_W
ClientSampleId :
A46W2

Tgt Ion:180 Resp: 5836
Ion Ratio Lower Upper
180 100
182 365.2 74.5 111.7#
145 1654.6 25.9 38.9#



#72
1,2,3-Trichlorobenzene
Concen: 0.926 ug/L
RT: 15.562 min Scan# 2243
Delta R.T. 0.012 min
Lab File: VW026527.D
Acq: 05 Jul 2023 12:54

Tgt Ion:180 Resp: 6659
Ion Ratio Lower Upper
180 100
182 197.0 75.3 112.9#
145 0.0 29.0 43.6#

