

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
 Data File : VW026497.D
 Acq On : 01 Jul 2023 02:00
 Operator : SY/MD
 Sample : 03444-19
 Misc : 4.55g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46Y0

Quant Time: Jul 03 01:14:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Jul 01 01:41:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	361590	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	320588	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	100074	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.356	65	108695	26.401	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.600%
7) Chloroethane-d5	2.893	69	100210	29.892	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.560%
11) 1,1-Dichloroethene-d2	4.015	65	47788	23.199	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.800%
21) 2-Butanone-d5	7.075	46	70971	45.613	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.220%
24) Chloroform-d	7.648	84	194136	22.027	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.120%
26) 1,2-Dichloroethane-d4	8.154	65	112	0.023	ug/L	-0.15
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.080%#
32) Benzene-d6	8.270	84	381287	20.450	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.800%
36) 1,2-Dichloropropane-d6	9.270	67	121978	20.526	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.120%
41) Toluene-d8	10.318	98	405807	24.640	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.560%
43) trans-1,3-Dichloroprop...	10.581	79	49065	20.484	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.920%
47) 2-Hexanone-d5	10.922	63	54317	54.657	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.320%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	108106	23.561	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.240%
66) 1,2-Dichlorobenzene-d4	13.848	152	74606	21.410	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.640%
Target Compounds						Qvalue
8) Chloroethane	2.923	64	27123	8.724	ug/L	95
13) Acetone	4.118	43	120528	109.658	ug/L	92
14) Carbon disulfide	4.380	76	10612	0.810	ug/L	96
22) 2-Butanone	7.179	43	48252	26.776	ug/L	99
35) Methylcyclohexane	9.331	83	14255	1.565	ug/L #	66
42) Toluene	10.386	91	42430	2.066	ug/L	99
45) 1,1,2-Trichloroethane	10.770	97	2597	0.715	ug/L #	55
48) 2-Hexanone	10.928	43	22495	9.159	ug/L #	40
52) Ethylbenzene	11.733	91	45355	1.962	ug/L	94
53) m,p-Xylene	11.830	106	15751	1.838	ug/L	97
54) o-Xylene	12.160	106	26698	3.359	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.690	83	5852	1.320	ug/L #	66
60) Isopropylbenzene	12.464	105	11906	0.816	ug/L #	78
63) 1,2,4-Trimethylbenzene	13.251	105	45846	4.043	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.415	75	1785	3.561	ug/L #	46
70) 1,2,4-trichlorobenzene	15.135	180	3385	0.938	ug/L #	1
71) Naphthalene	15.324	128	5158	0.701	ug/L #	1
72) 1,2,3-Trichlorobenzene	15.567	180	6654	2.144	ug/L #	1

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Quant Title : SFAM01.0
QLast Update : Sat Jul 01 01:41:22 2023
Response via : Initial Calibration

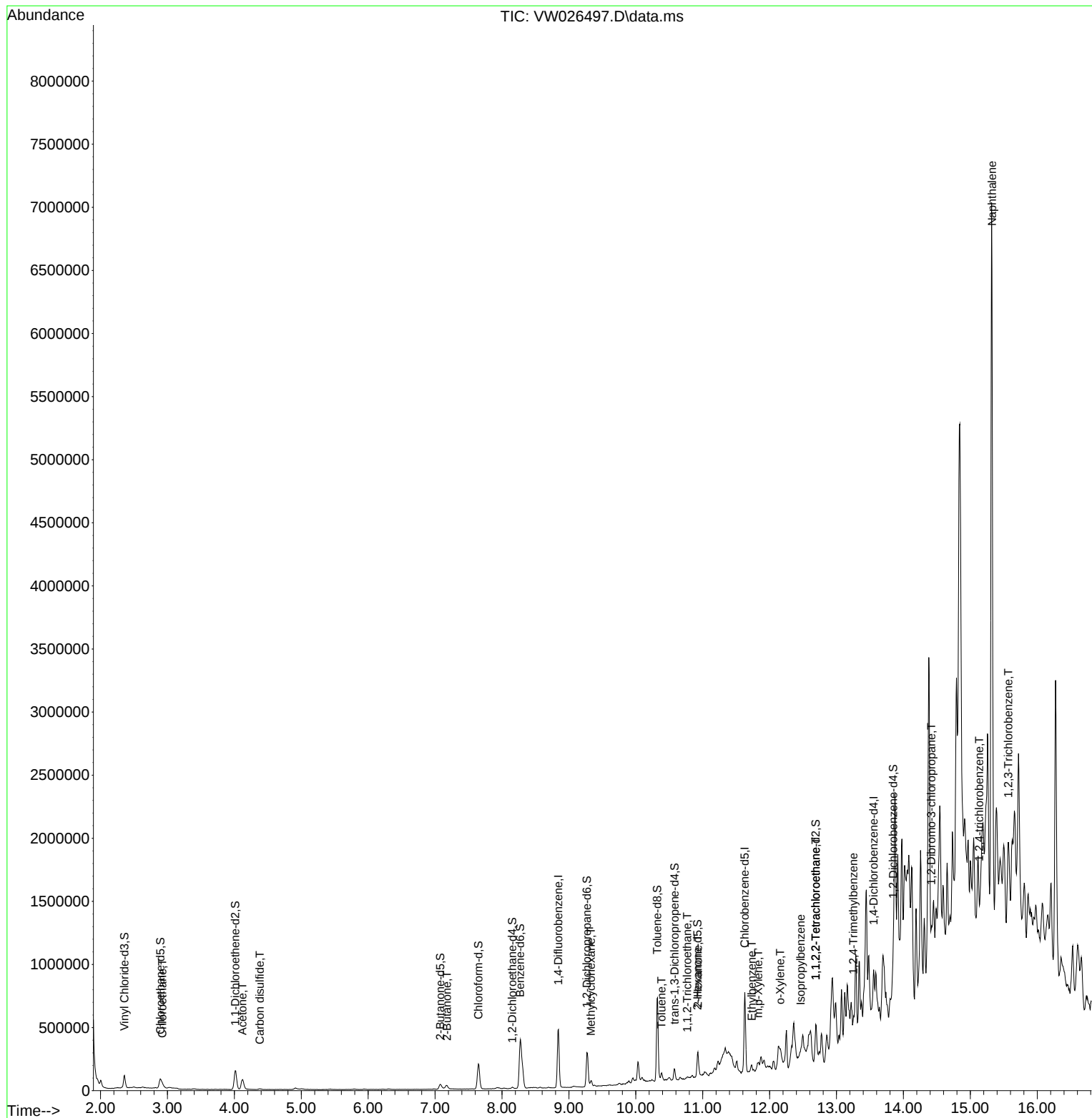
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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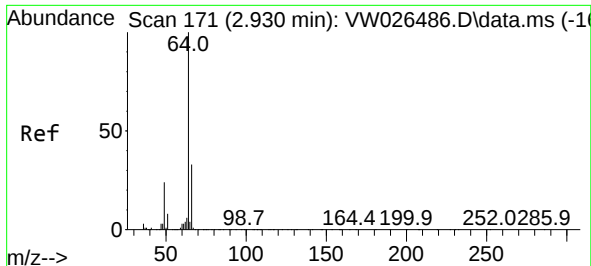
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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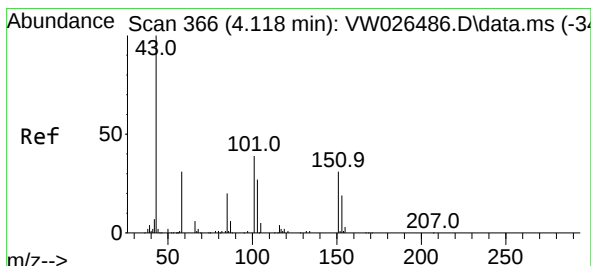
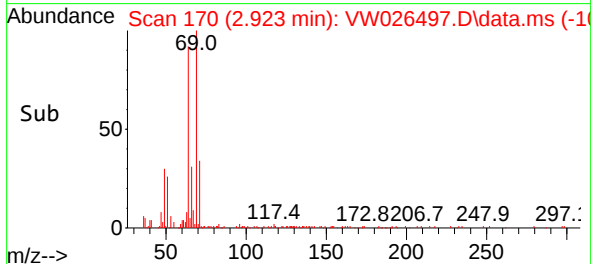
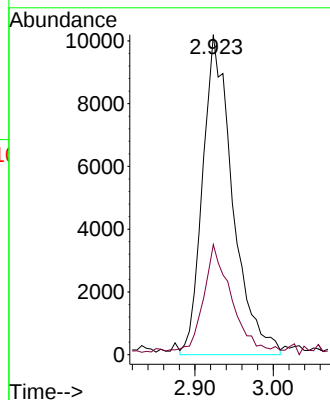
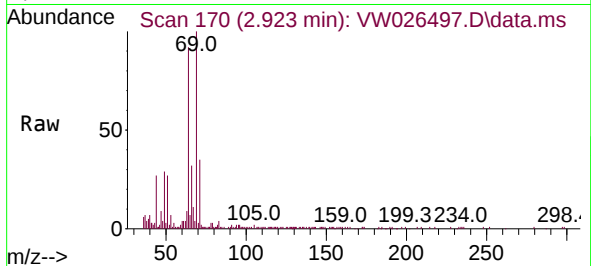




#8
Chloroethane
Concen: 8.724 ug/L
RT: 2.923 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW026497.D
Acq: 01 Jul 2023 02:00

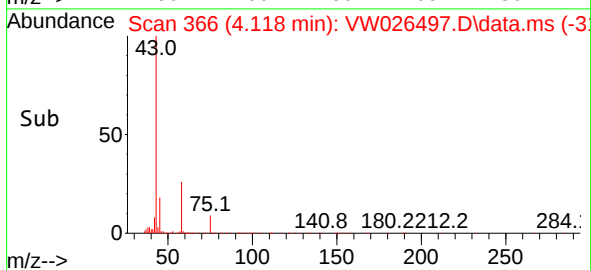
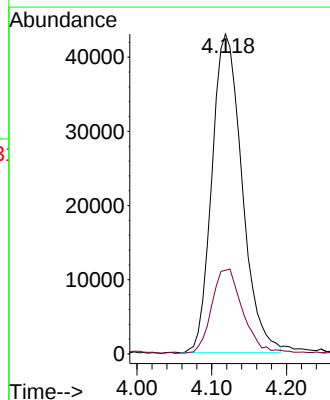
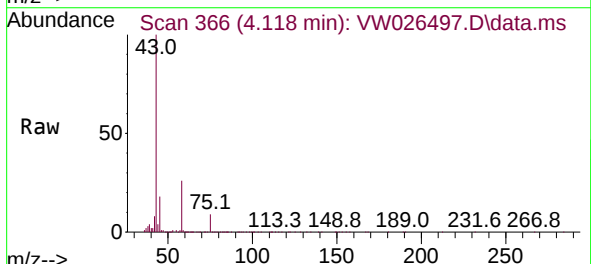
Instrument :
MSVOA_W
ClientSampleId :
A46Y0

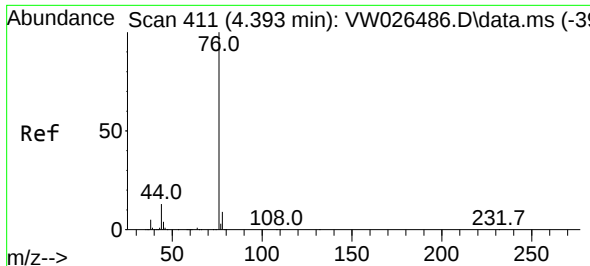
Tgt Ion: 64 Resp: 27123
Ion Ratio Lower Upper
64 100
66 34.4 22.1 41.1



#13
Acetone
Concen: 109.658 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW026497.D
Acq: 01 Jul 2023 02:00

Tgt Ion: 43 Resp: 120528
Ion Ratio Lower Upper
43 100
58 27.1 0.0 63.2

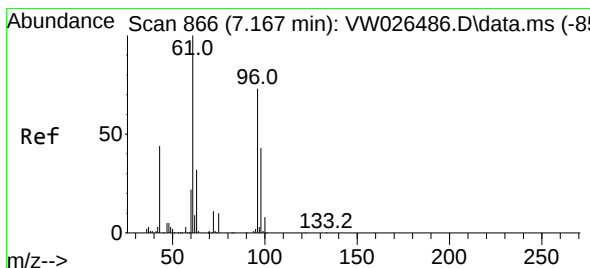
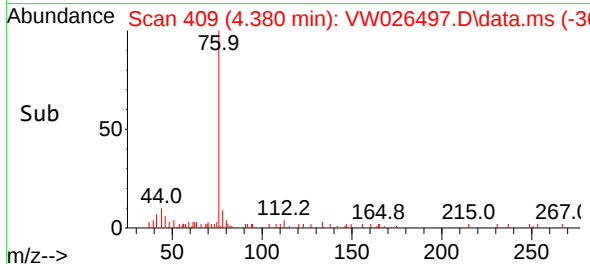
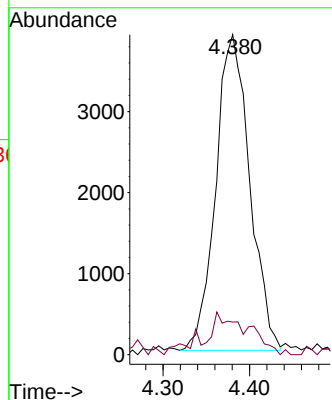
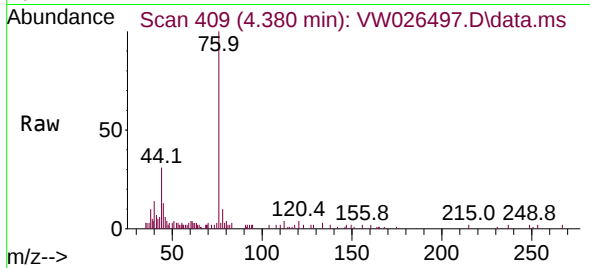




#14
Carbon disulfide
Concen: 0.810 ug/L
RT: 4.380 min Scan# 409
Delta R.T. -0.012 min
Lab File: VW026497.D
Acq: 01 Jul 2023 02:00

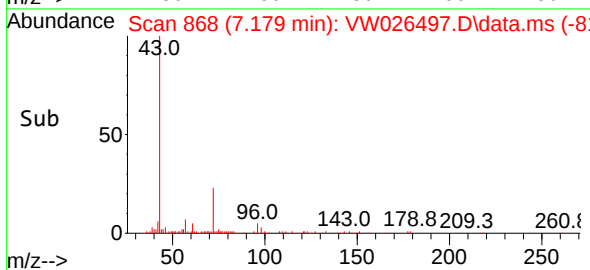
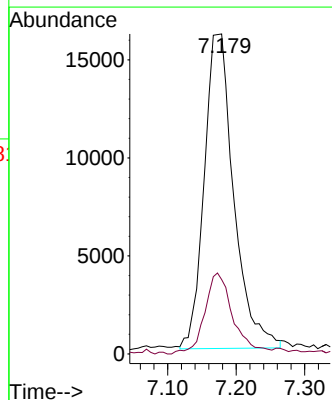
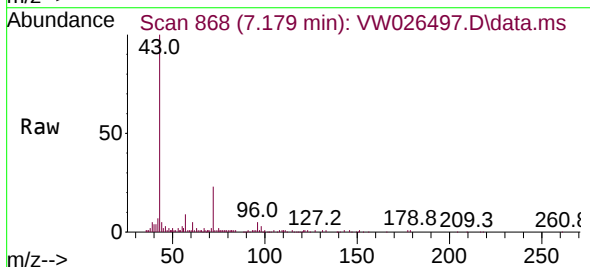
Instrument :
MSVOA_W
ClientSampleId :
A46Y0

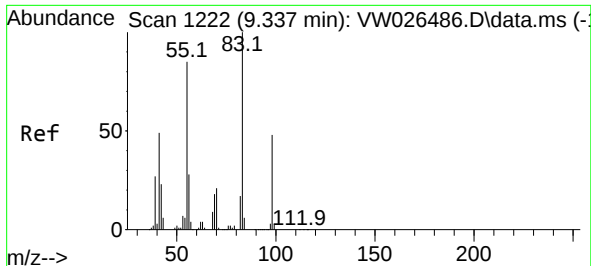
Tgt Ion: 76 Resp: 10612
Ion Ratio Lower Upper
76 100
78 10.2 7.1 10.7



#22
2-Butanone
Concen: 26.776 ug/L
RT: 7.179 min Scan# 868
Delta R.T. 0.012 min
Lab File: VW026497.D
Acq: 01 Jul 2023 02:00

Tgt Ion: 43 Resp: 48252
Ion Ratio Lower Upper
43 100
72 24.6 12.6 37.8





#35

Methylcyclohexane

Concen: 1.565 ug/L

RT: 9.331 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW026497.D

Acq: 01 Jul 2023 02:00

Instrument :

MSVOA_W

ClientSampleId :

A46Y0

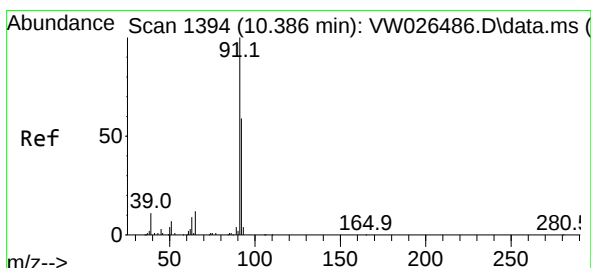
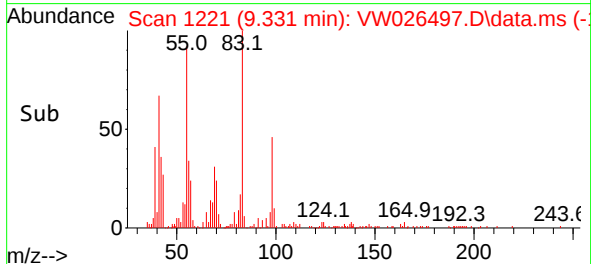
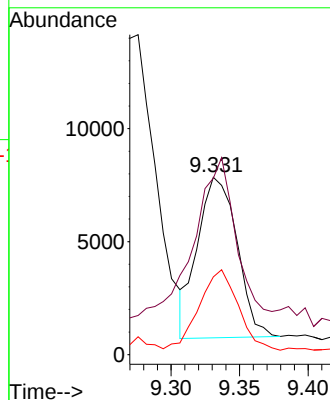
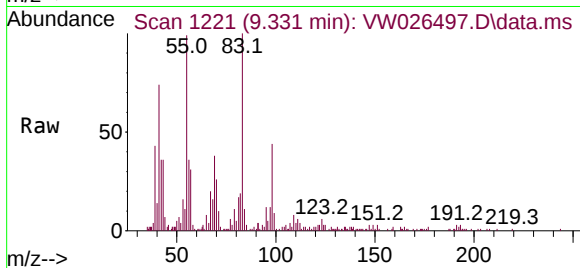
Tgt Ion: 83 Resp: 14255

Ion Ratio Lower Upper

83 100

55 128.5 66.5 99.7#

98 49.6 37.0 55.6



#42

Toluene

Concen: 2.066 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW026497.D

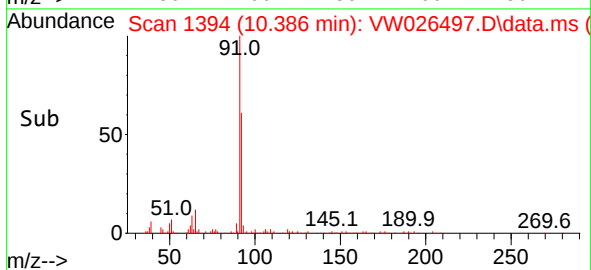
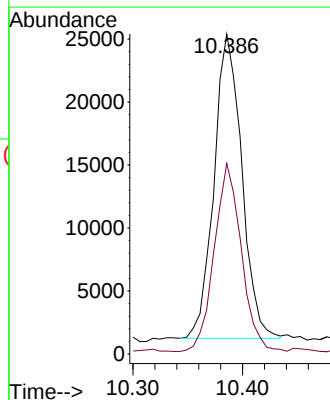
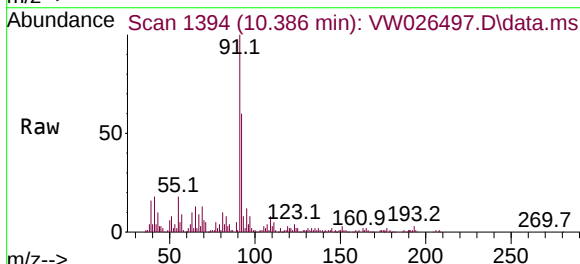
Acq: 01 Jul 2023 02:00

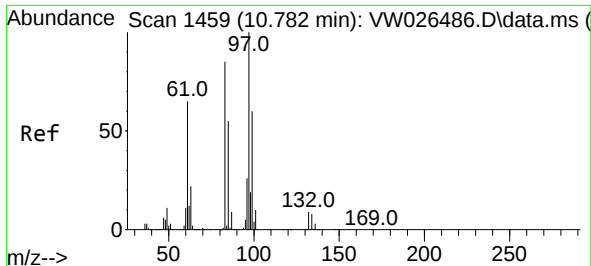
Tgt Ion: 91 Resp: 42430

Ion Ratio Lower Upper

91 100

92 59.5 41.4 76.8





#45

1,1,2-Trichloroethane

Concen: 0.715 ug/L

RT: 10.770 min Scan# 1459

Delta R.T. -0.012 min

Lab File: VW026497.D

Acq: 01 Jul 2023 02:00

Instrument :

MSVOA_W

ClientSampleId :

A46Y0

Tgt Ion: 97 Resp: 2597

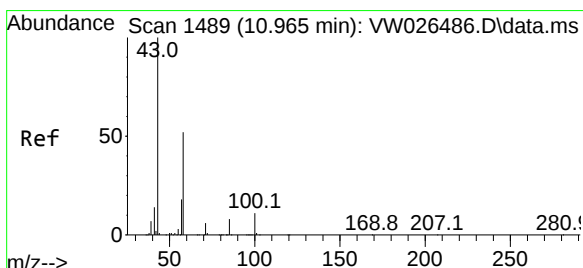
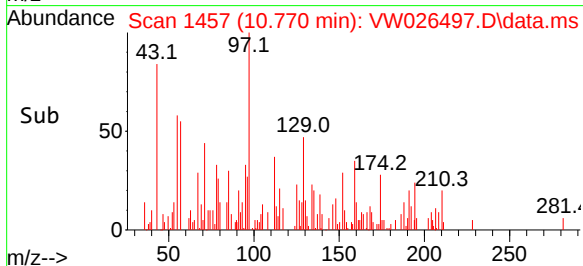
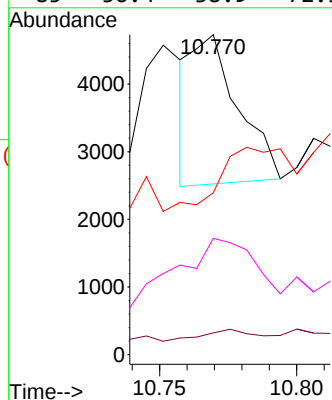
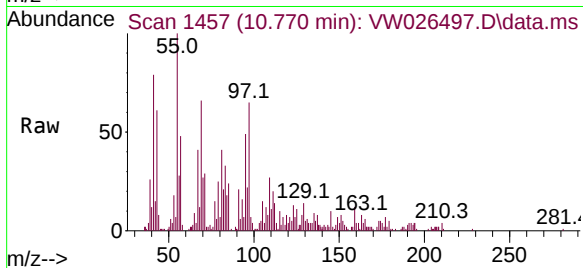
Ion Ratio Lower Upper

97 100

99 6.8 42.1 78.3#

83 50.6 60.5 112.5#

85 36.4 38.9 72.3#



#48

2-Hexanone

Concen: 9.159 ug/L

RT: 10.928 min Scan# 1483

Delta R.T. -0.037 min

Lab File: VW026497.D

Acq: 01 Jul 2023 02:00

Tgt Ion: 43 Resp: 22495

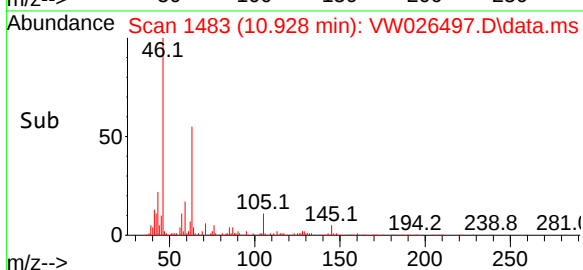
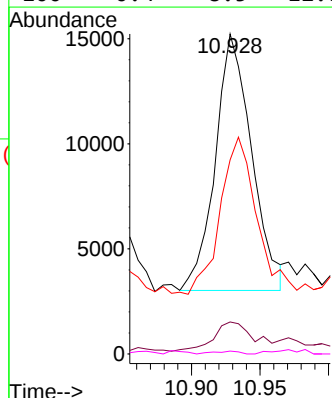
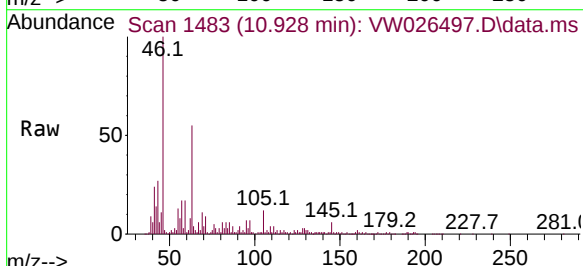
Ion Ratio Lower Upper

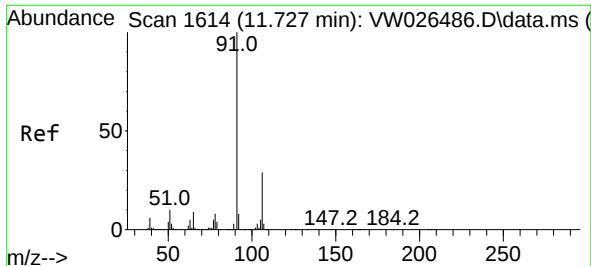
43 100

58 12.4 42.1 63.1#

57 58.1 14.5 21.7#

100 0.4 8.5 12.7#

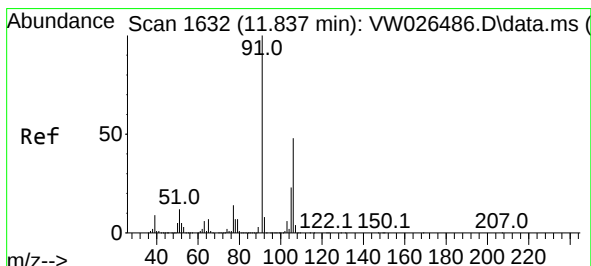
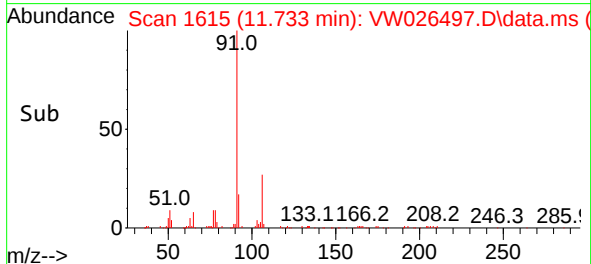
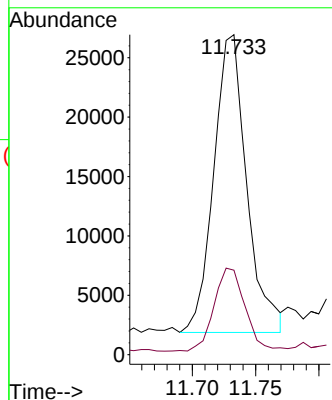
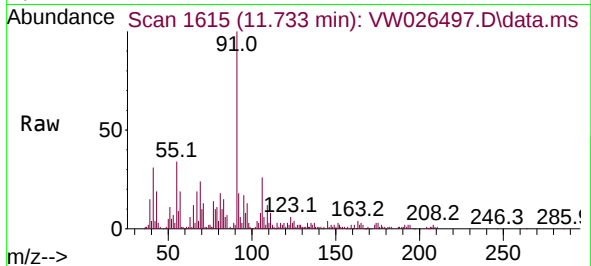




#52
Ethylbenzene
Concen: 1.962 ug/L
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW026497.D
Acq: 01 Jul 2023 02:00

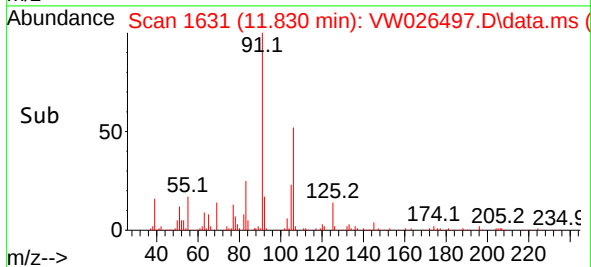
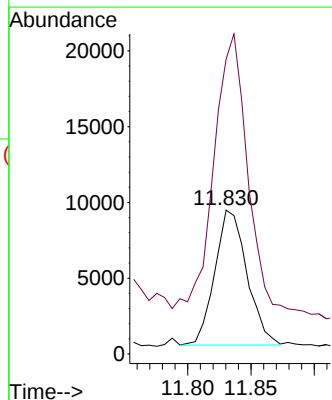
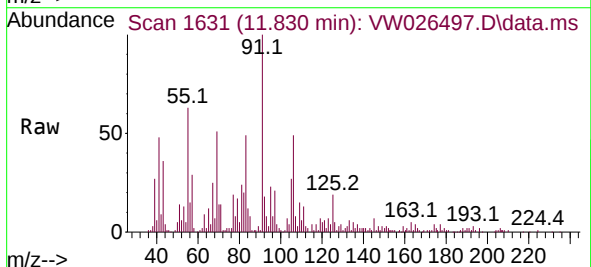
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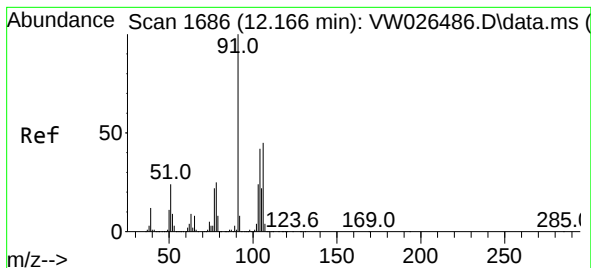
Tgt Ion: 91 Resp: 45355
Ion Ratio Lower Upper
91 100
106 26.4 20.9 38.7



#53
m,p-Xylene
Concen: 1.838 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW026497.D
Acq: 01 Jul 2023 02:00

Tgt Ion: 106 Resp: 15751
Ion Ratio Lower Upper
106 100
91 205.1 146.7 272.5





#54

o-Xylene

Concen: 3.359 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026497.D

Acq: 01 Jul 2023 02:00

Instrument :

MSVOA_W

ClientSampleId :

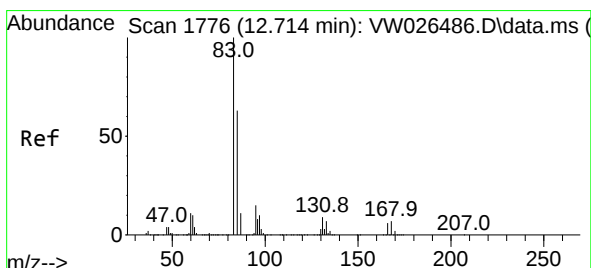
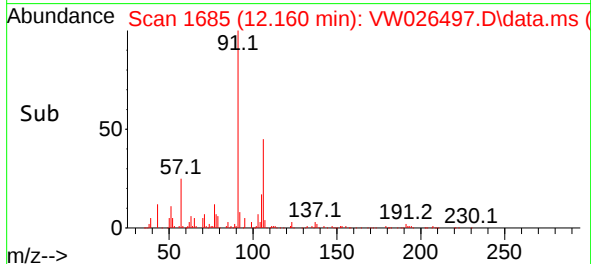
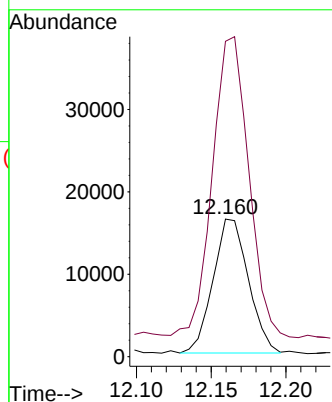
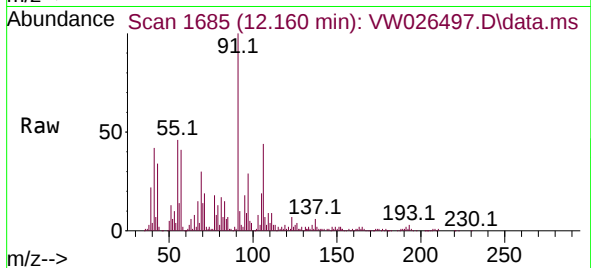
A46Y0

Tgt Ion:106 Resp: 26698

Ion Ratio Lower Upper

106 100

91 229.2 145.5 270.1



#57

1,1,2,2-Tetrachloroethane

Concen: 1.320 ug/L

RT: 12.690 min Scan# 1772

Delta R.T. -0.025 min

Lab File: VW026497.D

Acq: 01 Jul 2023 02:00

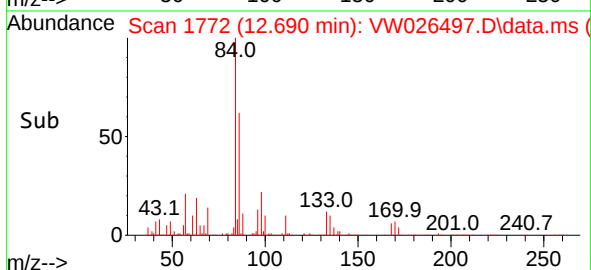
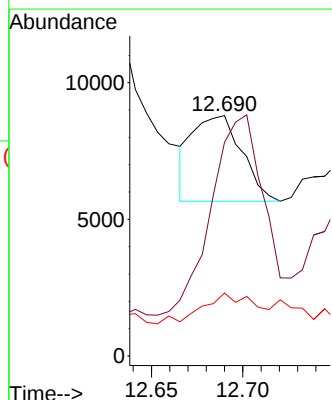
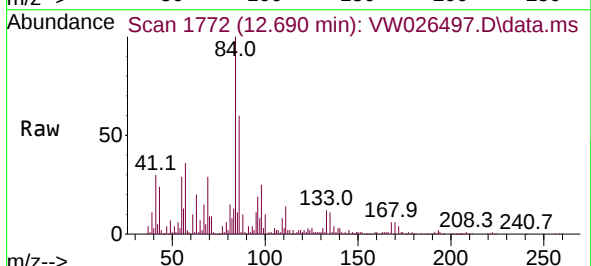
Tgt Ion: 83 Resp: 5852

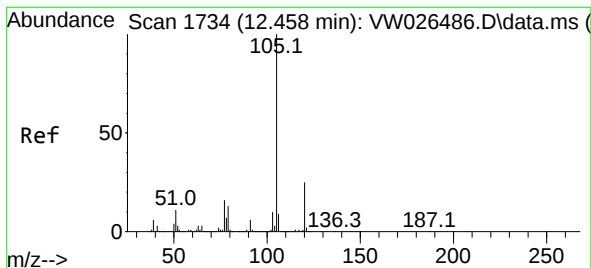
Ion Ratio Lower Upper

83 100

85 88.9 44.6 82.8#

131 26.1 7.2 10.8#





#60

Isopropylbenzene

Concen: 0.816 ug/L

RT: 12.464 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW026497.D

Acq: 01 Jul 2023 02:00

Instrument :

MSVOA_W

ClientSampleId :

A46Y0

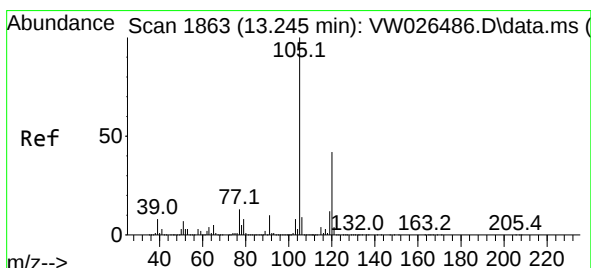
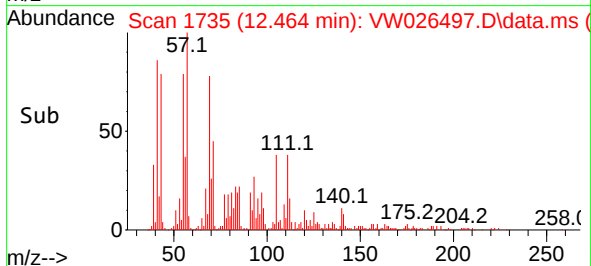
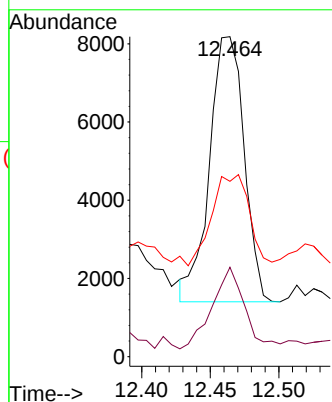
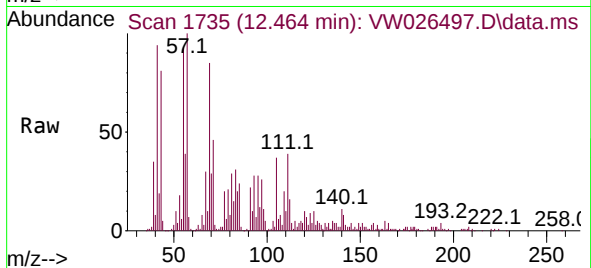
Tgt Ion:105 Resp: 11906

Ion Ratio Lower Upper

105 100

120 27.9 20.5 30.7

77 36.9 12.9 19.3#



#63

1,2,4-Trimethylbenzene

Concen: 4.043 ug/L

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW026497.D

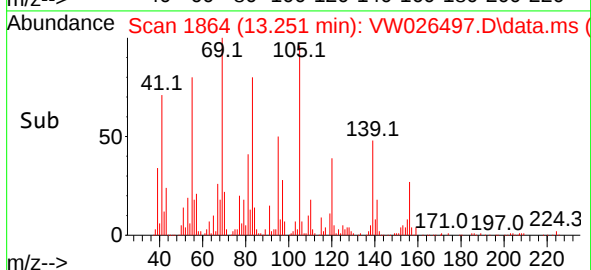
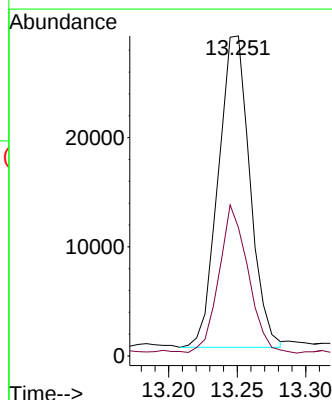
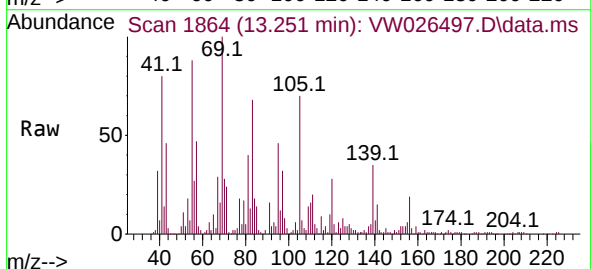
Acq: 01 Jul 2023 02:00

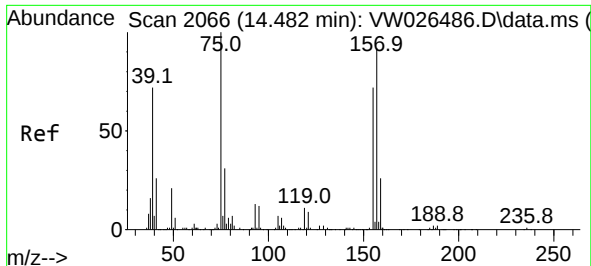
Tgt Ion:105 Resp: 45846

Ion Ratio Lower Upper

105 100

120 43.8 36.0 54.0





#68

1,2-Dibromo-3-chloropropane

Concen: 3.561 ug/L

RT: 14.415 min Scan# 2066

Delta R.T. -0.067 min

Lab File: VW026497.D

Acq: 01 Jul 2023 02:00

Instrument :

MSVOA_W

ClientSampleId :

A46Y0

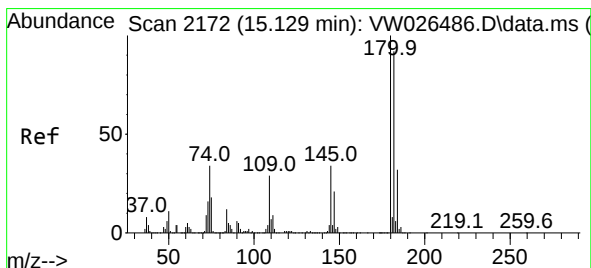
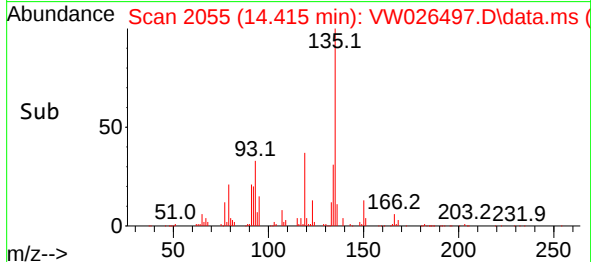
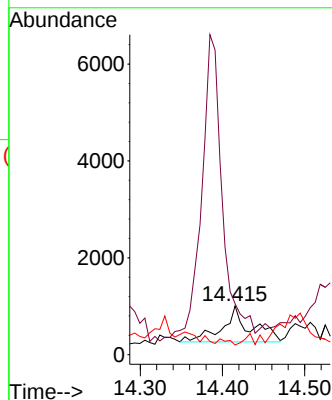
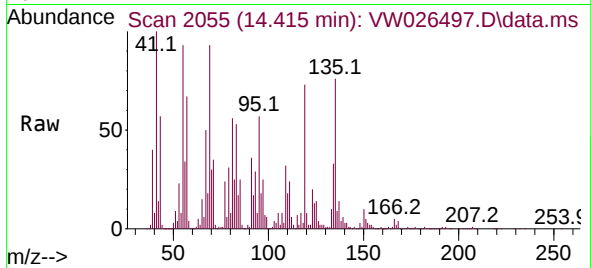
Tgt Ion: 75 Resp: 1785

Ion Ratio Lower Upper

75 100

155 104.7 58.5 87.7#

157 31.9 77.4 116.2#



#70

1,2,4-trichlorobenzene

Concen: 0.938 ug/L

RT: 15.135 min Scan# 2173

Delta R.T. 0.006 min

Lab File: VW026497.D

Acq: 01 Jul 2023 02:00

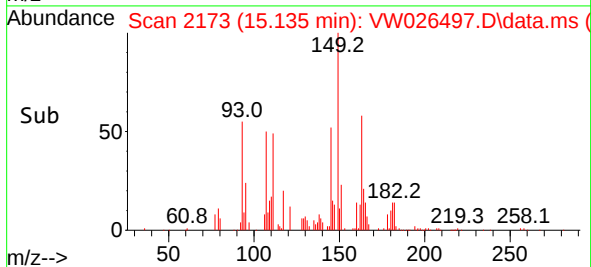
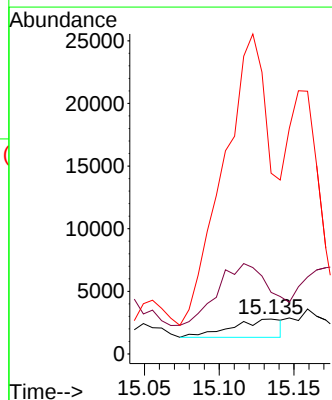
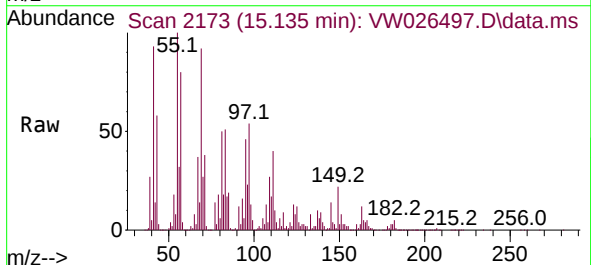
Tgt Ion:180 Resp: 3385

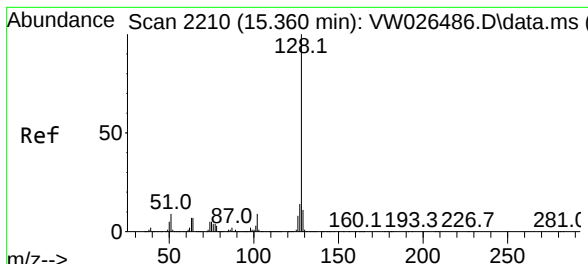
Ion Ratio Lower Upper

180 100

182 368.6 75.5 113.3#

145 1556.8 26.2 39.2#

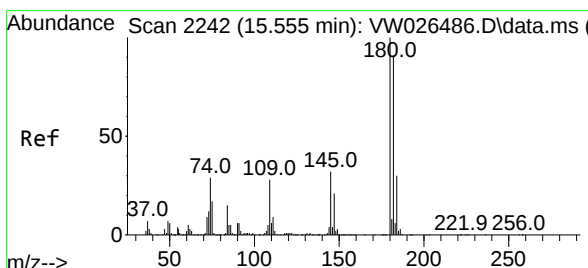
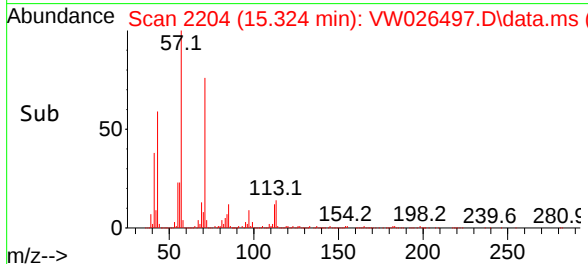
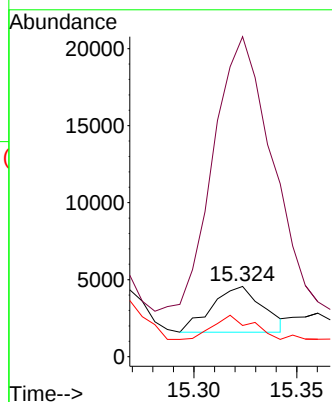
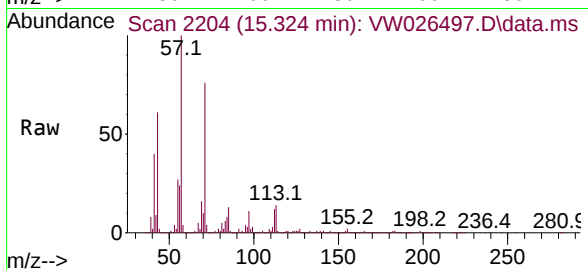




#71
Naphthalene
Concen: 0.701 ug/L
RT: 15.324 min Scan# 21
Delta R.T. -0.037 min
Lab File: VW026497.D
Acq: 01 Jul 2023 02:00

Instrument :
MSVOA_W
ClientSampleId :
A46Y0

Tgt Ion:128 Resp: 5158
Ion Ratio Lower Upper
128 100
127 735.4 10.4 15.6#
129 40.4 8.3 12.5#



#72
1,2,3-Trichlorobenzene
Concen: 2.144 ug/L
RT: 15.567 min Scan# 2244
Delta R.T. 0.012 min
Lab File: VW026497.D
Acq: 01 Jul 2023 02:00

Tgt Ion:180 Resp: 6654
Ion Ratio Lower Upper
180 100
182 94.7 75.7 113.5
145 383.4 27.0 40.6#

