

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041122\
 Data File : VW022485.D
 Acq On : 11 Apr 2022 16:09
 Operator : SY/VA
 Sample : N2316-06
 Misc : 6.49g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 11 23:59:02 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	8.842	114	426620	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	451113	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	213125	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	155901	16.530	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.120%
7) Chloroethane-d5	2.885	69	105322	17.819	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.280%
11) 1,1-Dichloroethene-d2	4.019	63	163568	13.371	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.480%
21) 2-Butanone-d5	7.080	46	95319	57.889	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.780%
24) Chloroform-d	7.647	84	296775	22.256	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.040%
26) 1,2-Dichloroethane-d4	8.555	65	218	0.029	ug/L	0.25
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.120%#
32) Benzene-d6	8.275	84	540131	19.598	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.400%
36) 1,2-Dichloropropane-d6	9.274	67	170059	21.322	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.280%
41) Toluene-d8	10.323	98	515761	19.107	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.440%
43) trans-1,3-Dichloroprop...	10.579	79	75643	20.095	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.400%
47) 2-Hexanone-d5	10.921	63	84062	56.648	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.300%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	163309	24.080	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.320%
66) 1,2-Dichlorobenzene-d4	13.853	152	189573	25.113	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.440%
Target Compounds						
					Qvalue	
13) Acetone	4.123	43	25631	22.863	ug/L	77
14) Carbon disulfide	4.385	76	64520	3.414	ug/L #	95
29) Cyclohexane	7.958	56	6577	0.509	ug/L	97
33) Benzene	8.323	78	1332694	43.513	ug/L	100
42) Toluene	10.384	91	398216	11.347	ug/L	97
45) 1,1,2-Trichloroethane	10.756	97	6800	1.214	ug/L #	30
52) Ethylbenzene	11.731	91	35212	0.895	ug/L	92
53) m,p-Xylene	11.835	106	27288	1.824	ug/L	91
54) o-Xylene	12.164	106	19771	1.383	ug/L	94
62) 1,3,5-Trimethylbenzene	12.938	105	9704	0.498	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	31592	1.067	ug/L	94
64) 1,3-Dichlorobenzene	13.499	146	8180	0.569	ug/L #	54
65) 1,4-Dichlorobenzene	13.572	146	18952	1.323	ug/L #	50
67) 1,2-Dichlorobenzene	13.865	146	28583	2.224	ug/L #	76
68) 1,2-Dibromo-3-chloropr...	14.463	75	13969	13.285	ug/L #	15
69) 1,3,5-Trichlorobenzene	14.627	180	17107	1.825	ug/L	95
70) 1,2,4-trichlorobenzene	15.127	180	11754	1.493	ug/L #	11

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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

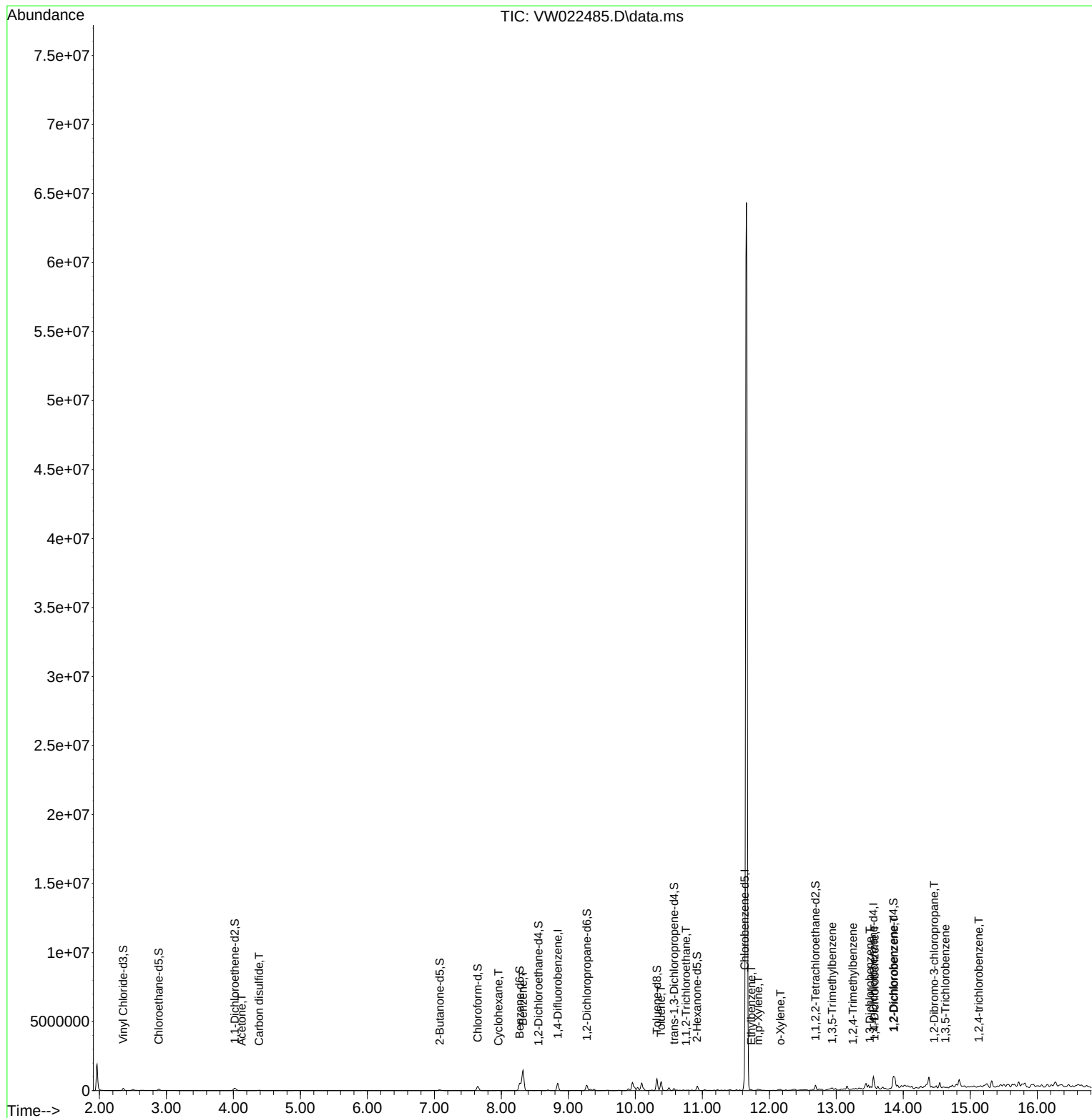
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

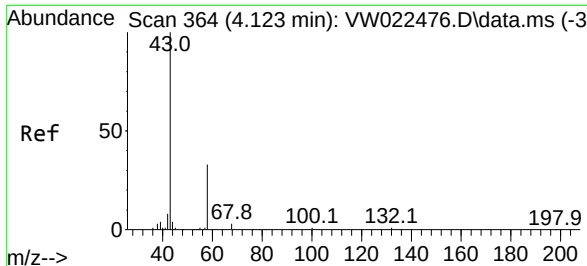
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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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

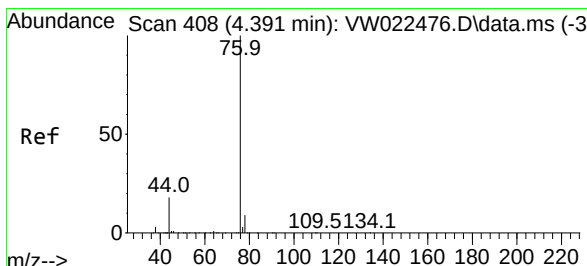
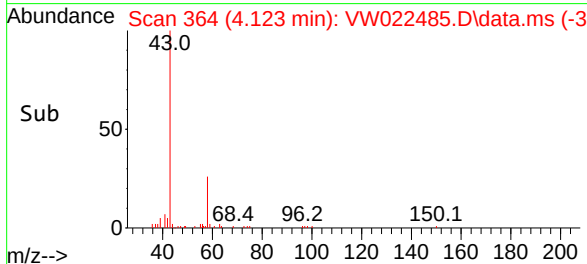
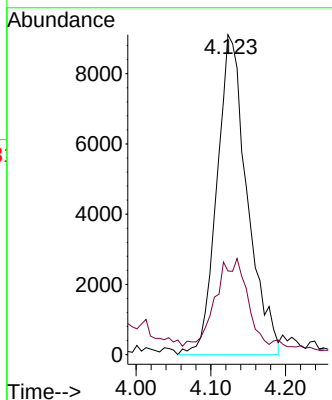
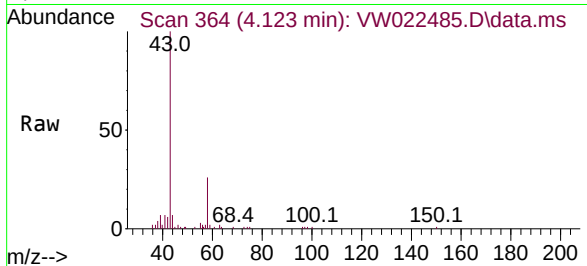




#13
Acetone
Concen: 22.863 ug/L
RT: 4.123 min Scan# 30
Delta R.T. 0.000 min
Lab File: VW022485.D
Acq: 11 Apr 2022 16:09

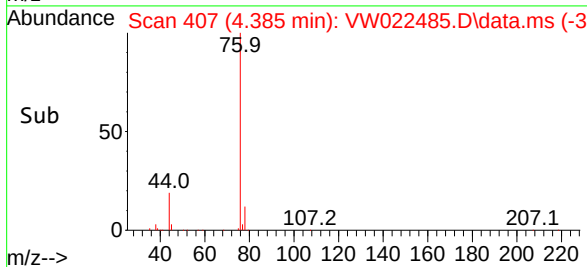
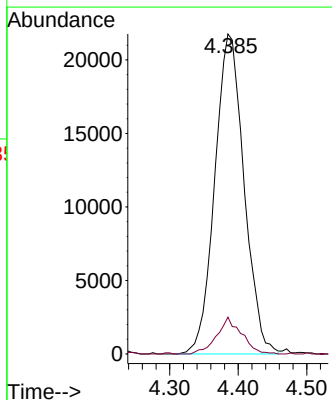
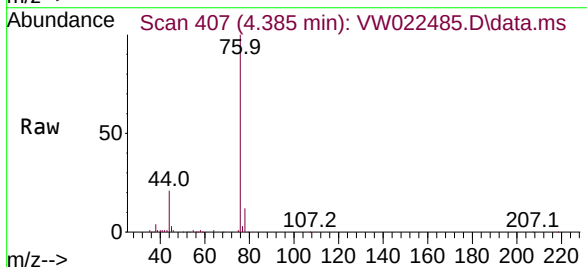
Instrument :
MSVOA_W
ClientSampleId :

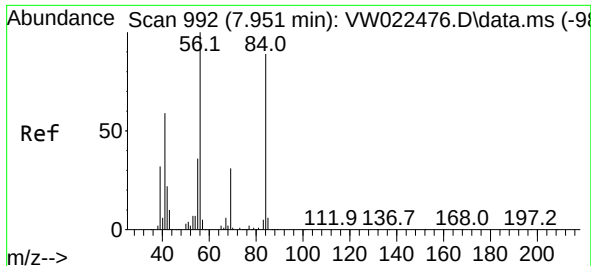
Tgt Ion: 43 Resp: 25631
Ion Ratio Lower Upper
43 100
58 16.2 0.0 57.0



#14
Carbon disulfide
Concen: 3.414 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.006 min
Lab File: VW022485.D
Acq: 11 Apr 2022 16:09

Tgt Ion: 76 Resp: 64520
Ion Ratio Lower Upper
76 100
78 11.5 7.6 11.4#





#29

Cyclohexane

Concen: 0.509 ug/L

RT: 7.958 min Scan# 992

Delta R.T. 0.006 min

Lab File: VW022485.D

Acq: 11 Apr 2022 16:09

Instrument :

MSVOA_W

ClientSampleId :

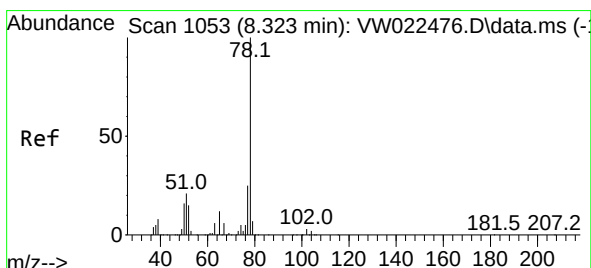
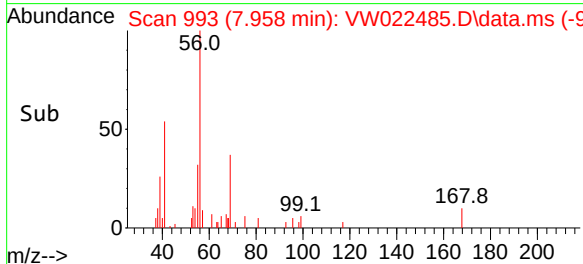
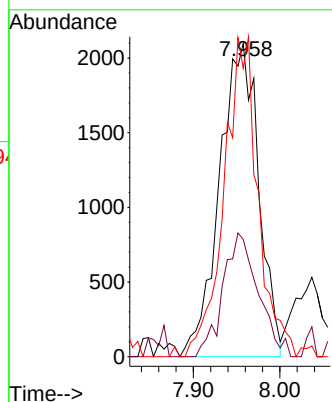
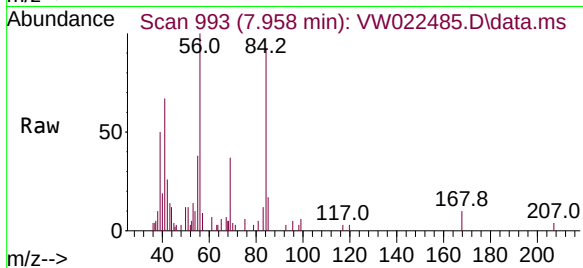
Tgt Ion: 56 Resp: 6577

Ion Ratio Lower Upper

56 100

69 32.0 24.4 36.6

84 88.3 72.6 108.8



#33

Benzene

Concen: 43.513 ug/L

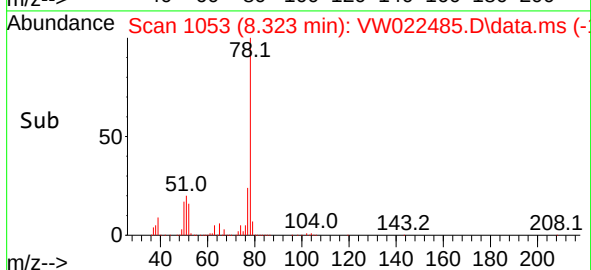
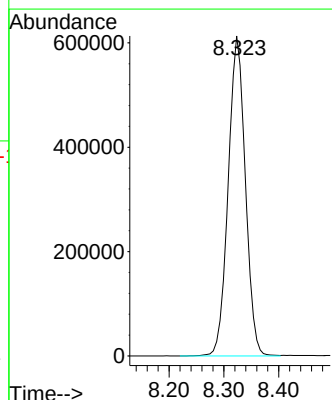
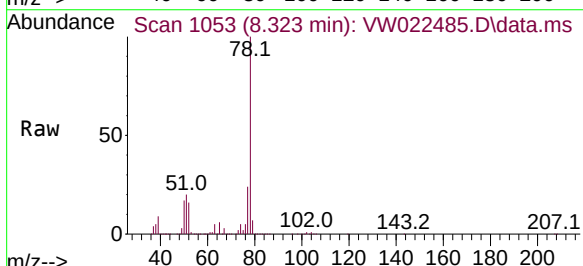
RT: 8.323 min Scan# 1053

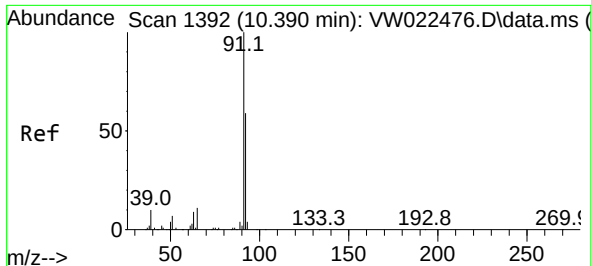
Delta R.T. 0.000 min

Lab File: VW022485.D

Acq: 11 Apr 2022 16:09

Tgt Ion: 78 Resp: 1332694

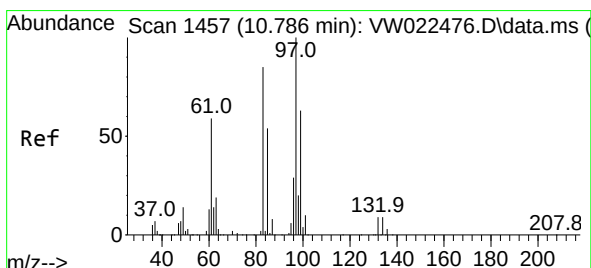
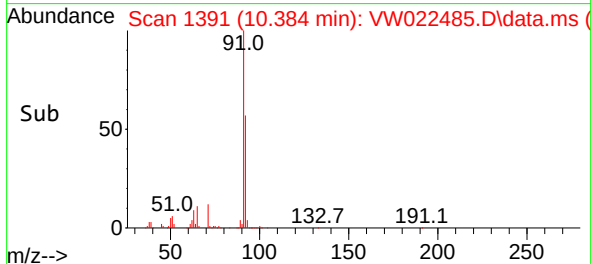
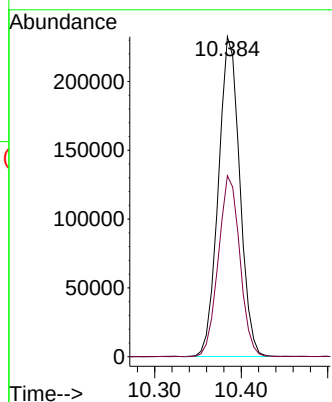
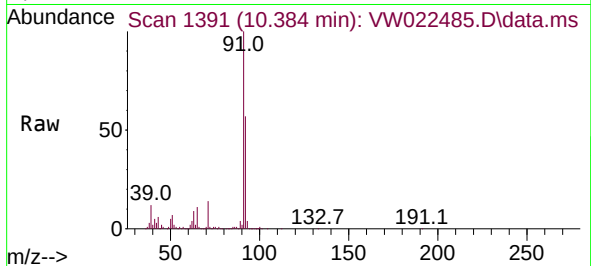




#42
Toluene
Concen: 11.347 ug/L
RT: 10.384 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW022485.D
Acq: 11 Apr 2022 16:09

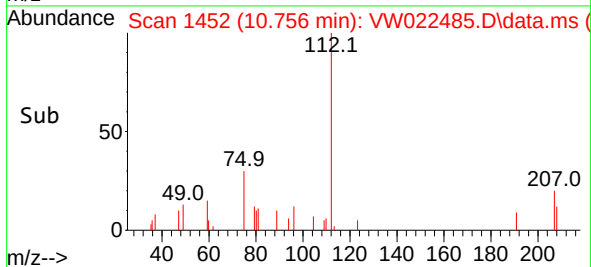
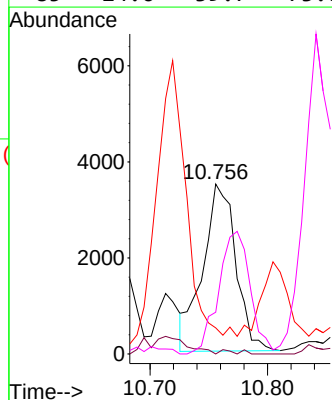
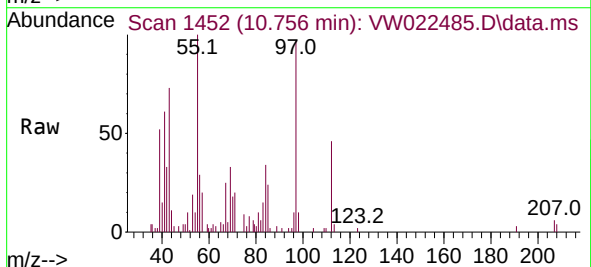
Instrument :
MSVOA_W
ClientSampleId :

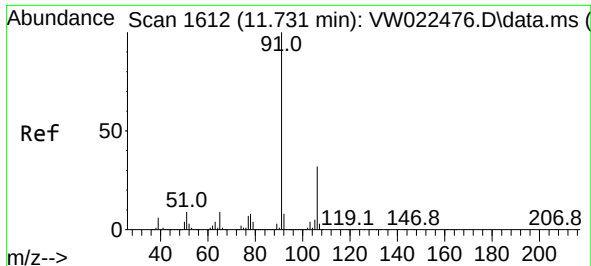
Tgt Ion: 91 Resp: 398216
Ion Ratio Lower Upper
91 100
92 56.6 38.0 70.6



#45
1,1,2-Trichloroethane
Concen: 1.214 ug/L
RT: 10.756 min Scan# 1452
Delta R.T. -0.030 min
Lab File: VW022485.D
Acq: 11 Apr 2022 16:09

Tgt Ion: 97 Resp: 6800
Ion Ratio Lower Upper
97 100
99 0.0 46.0 85.4#
83 15.3 60.6 112.6#
85 24.6 39.7 73.7#

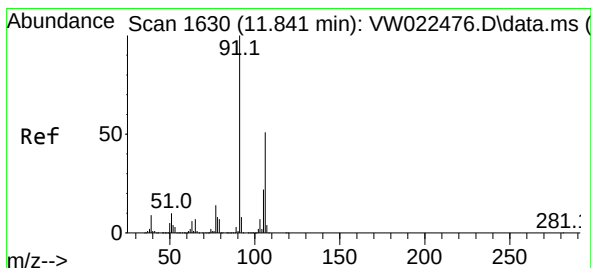
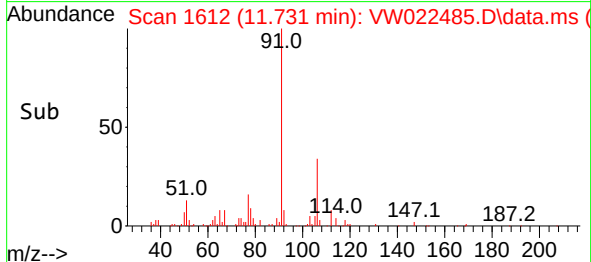
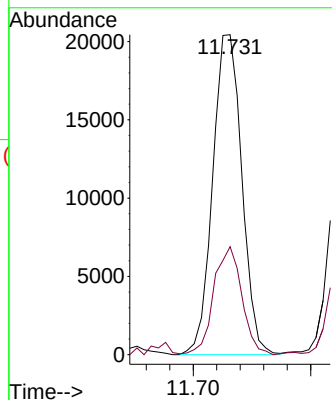
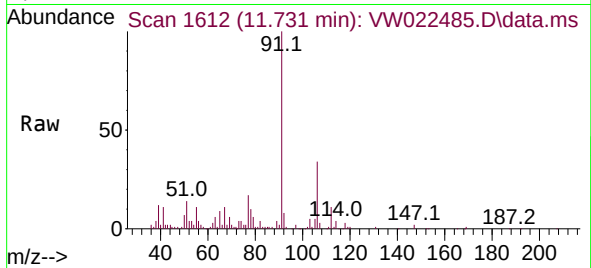




#52
Ethylbenzene
Concen: 0.895 ug/L
RT: 11.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW022485.D
Acq: 11 Apr 2022 16:09

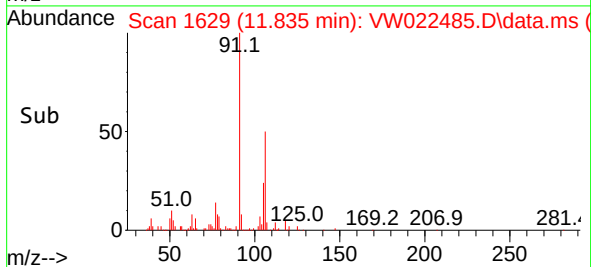
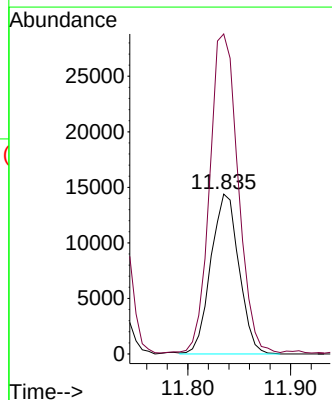
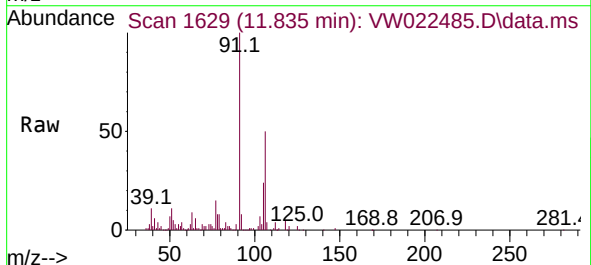
Instrument :
MSVOA_W
ClientSampleId :

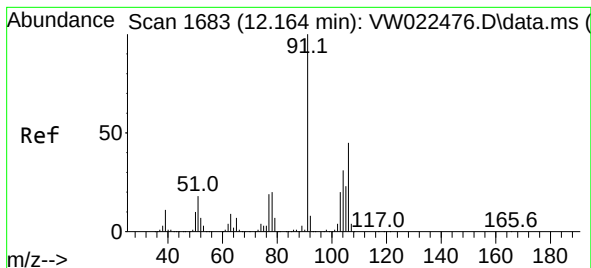
Tgt Ion: 91 Resp: 35212
Ion Ratio Lower Upper
91 100
106 33.7 20.5 38.1



#53
m,p-Xylene
Concen: 1.824 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW022485.D
Acq: 11 Apr 2022 16:09

Tgt Ion:106 Resp: 27288
Ion Ratio Lower Upper
106 100
91 200.3 149.9 278.5





#54

o-Xylene

Concen: 1.383 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022485.D

Acq: 11 Apr 2022 16:09

Instrument :

MSVOA_W

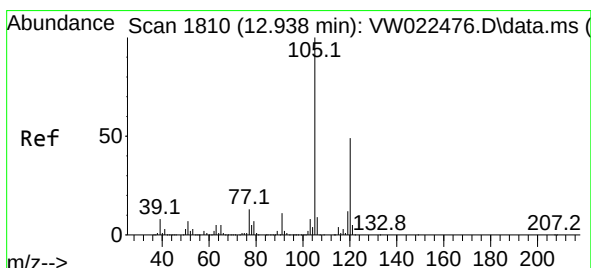
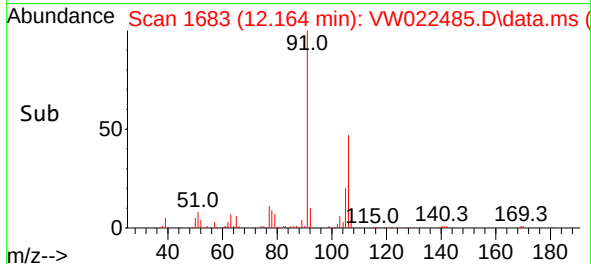
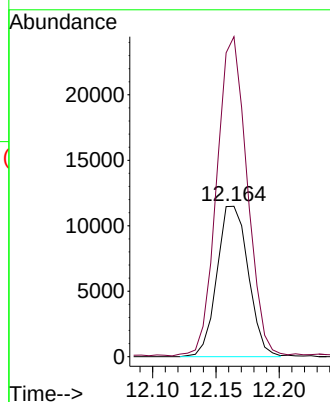
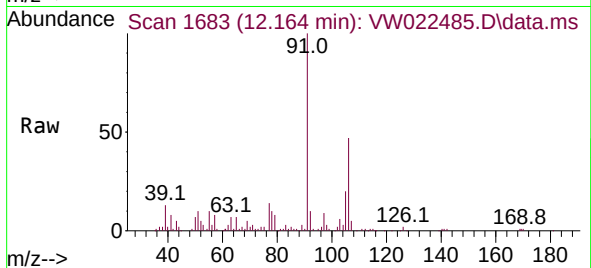
ClientSampleId :

Tgt Ion:106 Resp: 19771

Ion Ratio Lower Upper

106 100

91 212.8 155.3 288.3



#62

1,3,5-Trimethylbenzene

Concen: 0.498 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW022485.D

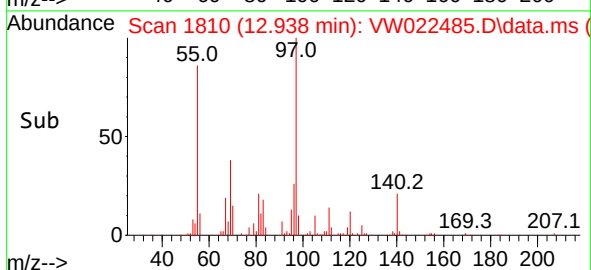
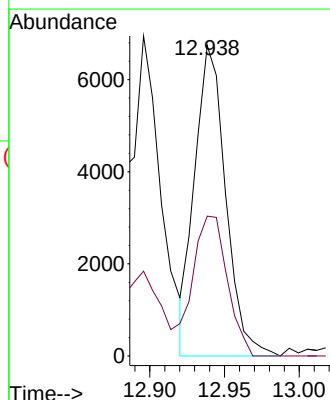
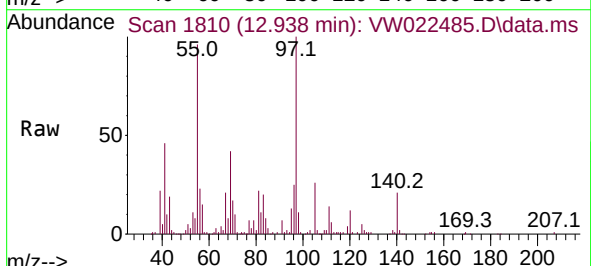
Acq: 11 Apr 2022 16:09

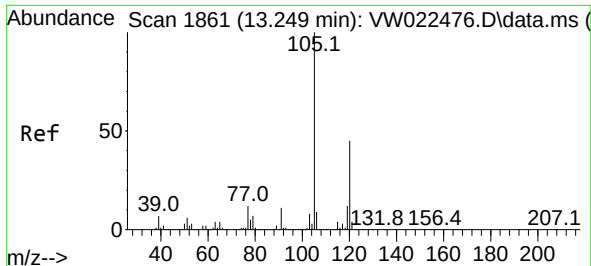
Tgt Ion:105 Resp: 9704

Ion Ratio Lower Upper

105 100

120 51.1 37.5 56.3

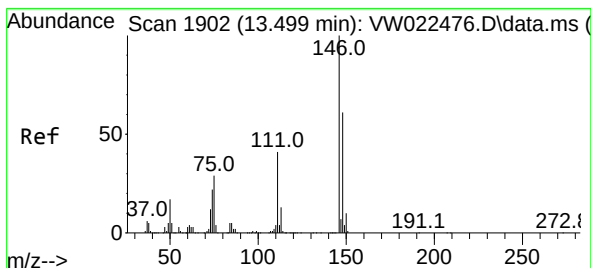
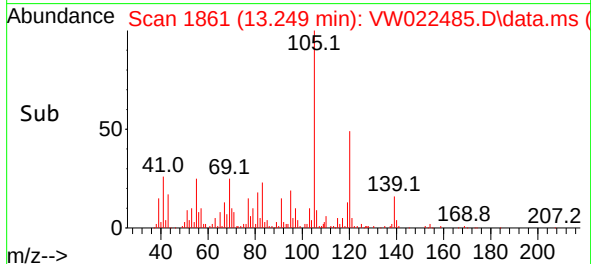
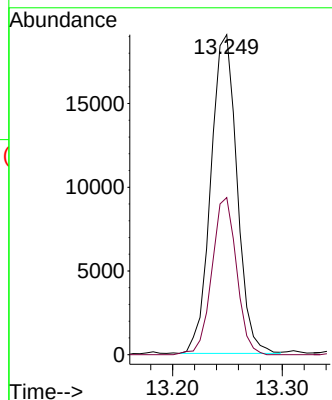
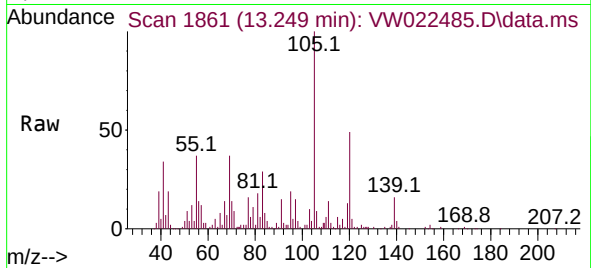




#63
1,2,4-Trimethylbenzene
Concen: 1.067 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW022485.D
Acq: 11 Apr 2022 16:09

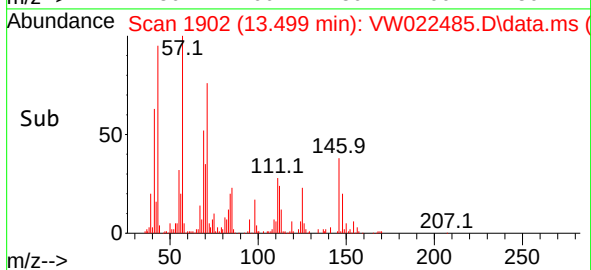
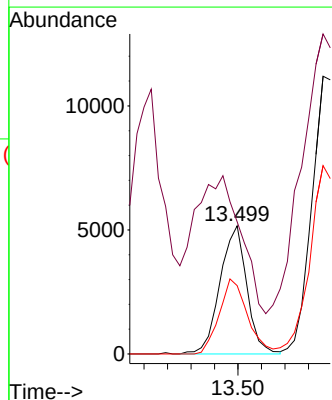
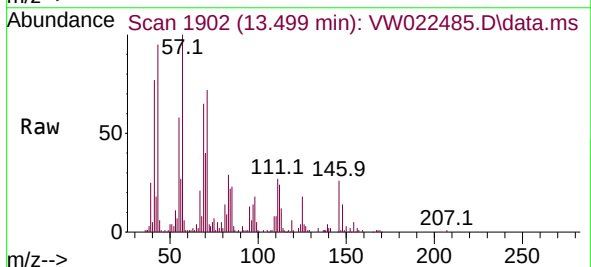
Instrument :
MSVOA_W
ClientSampleId :

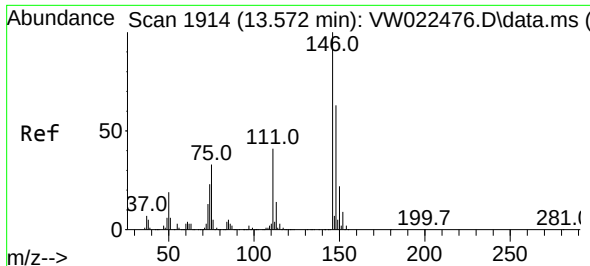
Tgt Ion:105 Resp: 31592
Ion Ratio Lower Upper
105 100
120 46.3 34.2 51.2



#64
1,3-Dichlorobenzene
Concen: 0.569 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW022485.D
Acq: 11 Apr 2022 16:09

Tgt Ion:146 Resp: 8180
Ion Ratio Lower Upper
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111 103.1 28.2 52.4#
148 53.3 41.9 77.7

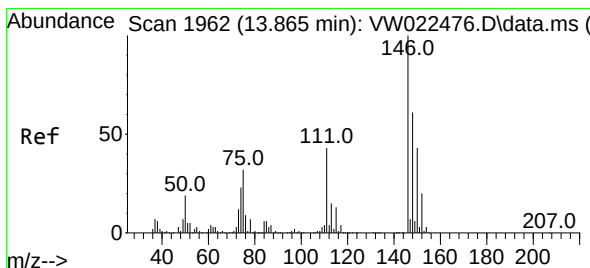
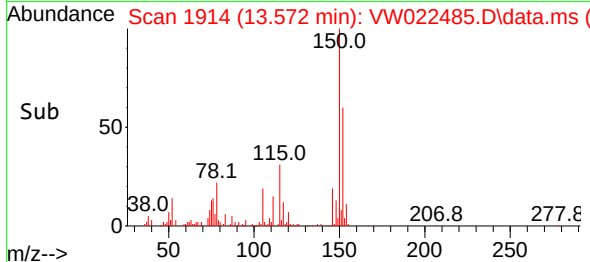
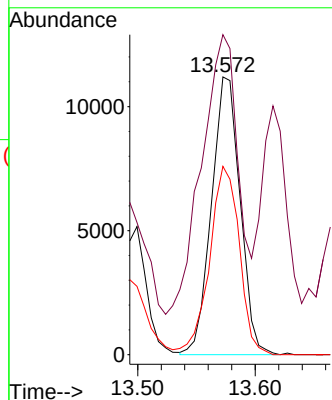
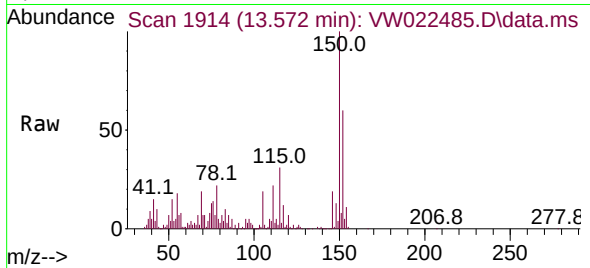




#65
1,4-Dichlorobenzene
Concen: 1.323 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW022485.D
Acq: 11 Apr 2022 16:09

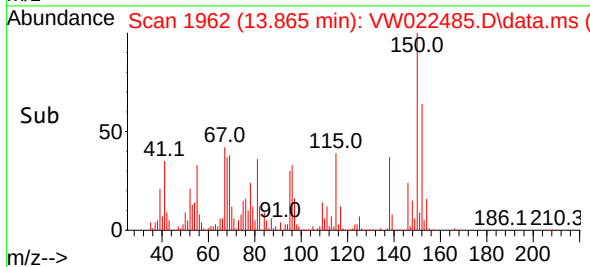
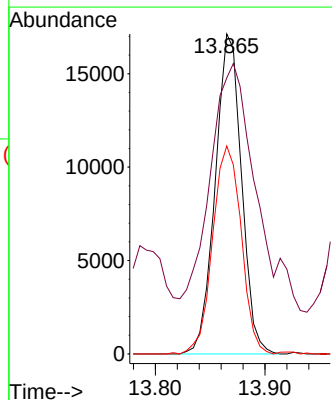
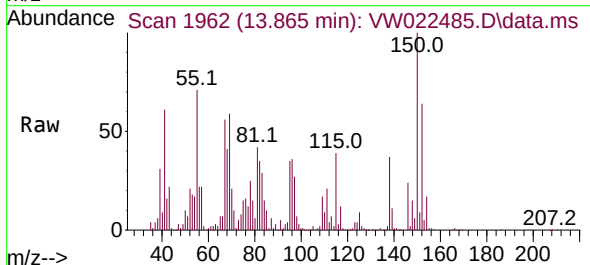
Instrument :
MSVOA_W
ClientSampleId :

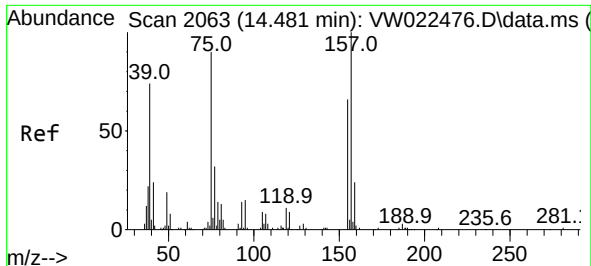
Tgt Ion:146 Resp: 18952
Ion Ratio Lower Upper
146 100
111 115.2 28.5 52.9#
148 67.8 44.4 82.4



#67
1,2-Dichlorobenzene
Concen: 2.224 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VW022485.D
Acq: 11 Apr 2022 16:09

Tgt Ion:146 Resp: 28583
Ion Ratio Lower Upper
146 100
111 86.3 39.0 58.4#
148 65.0 52.1 78.1





#68

1,2-Dibromo-3-chloropropane

Concen: 13.285 ug/L

RT: 14.463 min Scan# 2060

Delta R.T. -0.018 min

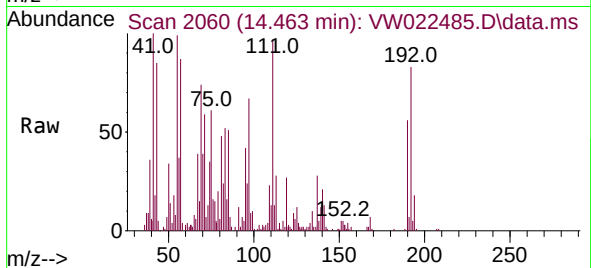
Lab File: VW022485.D

Acq: 11 Apr 2022 16:09

Instrument :

MSVOA_W

ClientSampleId :



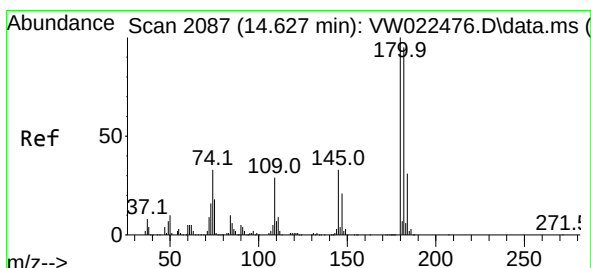
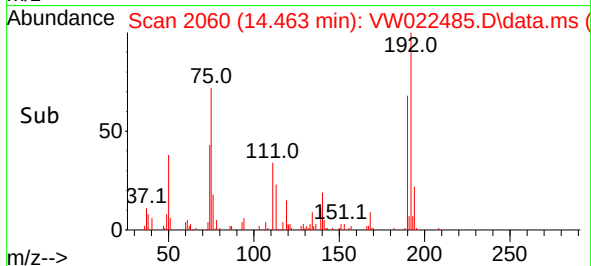
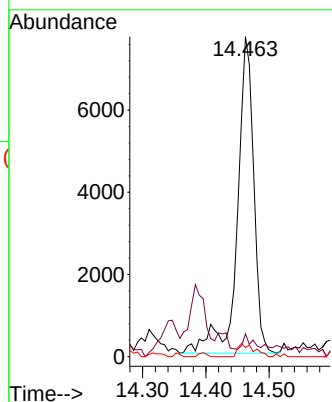
Tgt Ion: 75 Resp: 13969

Ion Ratio Lower Upper

75 100

155 7.2 55.6 83.4#

157 2.9 69.8 104.6#



#69

1,3,5-Trichlorobenzene

Concen: 1.825 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. 0.000 min

Lab File: VW022485.D

Acq: 11 Apr 2022 16:09

Tgt Ion: 180 Resp: 17107

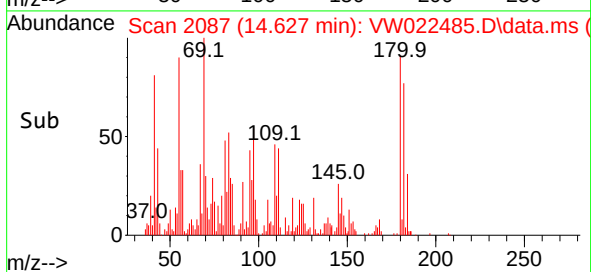
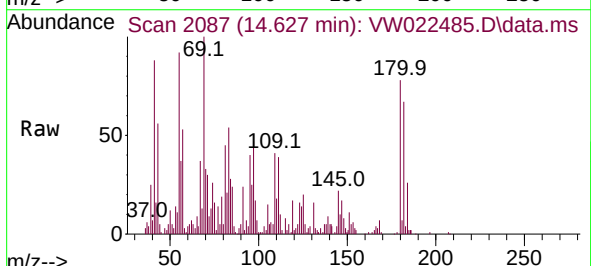
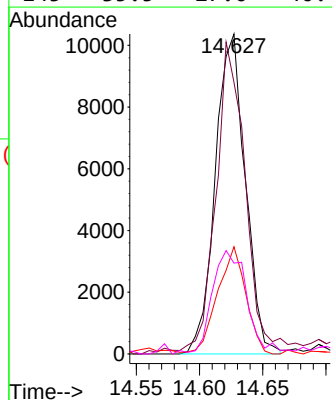
Ion Ratio Lower Upper

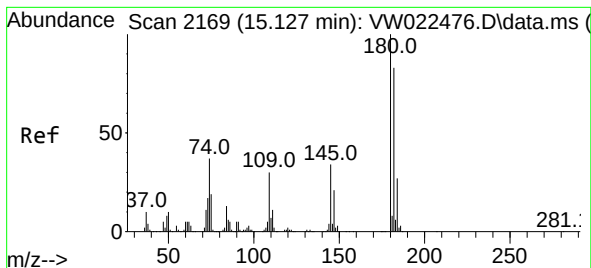
180 100

182 93.0 79.1 118.7

184 31.7 24.5 36.7

145 35.5 27.0 40.4





#70

1,2,4-trichlorobenzene

Concen: 1.493 ug/L

RT: 15.127 min Scan# 21

Delta R.T. 0.000 min

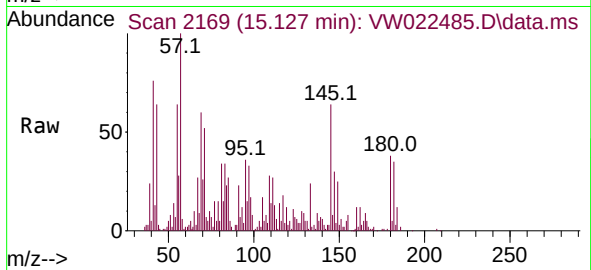
Lab File: VW022485.D

Acq: 11 Apr 2022 16:09

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 11754

Ion Ratio Lower Upper

180 100

182 97.6 72.8 109.2

145 212.7 25.5 38.3#

