

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021476.D
 Acq On : 18 Dec 2021 15:06
 Operator : SY/VA
 Sample : M5154-03
 Misc : 6.42g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 23:12:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	178115	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	174589	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	87090	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	51784	15.963	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.840%
7) Chloroethane-d5	2.885	69	31578	14.725	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.920%
11) 1,1-Dichloroethene-d2	4.019	63	66292	15.328	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.320%
21) 2-Butanone-d5	7.080	46	23302	50.959	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.920%
24) Chloroform-d	7.647	84	99707	20.087	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.360%
26) 1,2-Dichloroethane-d4	8.305	65	54973	20.821	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.280%
32) Benzene-d6	8.275	84	196496	20.533	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.120%
36) 1,2-Dichloropropane-d6	9.274	67	55697	21.701	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.800%
41) Toluene-d8	10.323	98	199341	20.387	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.560%
43) trans-1,3-Dichloroprop...	10.579	79	23348	19.757	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.040%
47) 2-Hexanone-d5	10.927	63	19996	52.688	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.380%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	45956	20.830	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.320%
66) 1,2-Dichlorobenzene-d4	13.853	152	64471	19.101	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.400%
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	6442	15.715	ug/L	92
22) 2-Butanone	7.183	43	1912	3.572	ug/L #	63
29) Cyclohexane	7.921	56	6003	1.727	ug/L #	40
35) Methylcyclohexane	9.335	83	13862	3.148	ug/L #	52
38) Bromodichloromethane	9.622	83	1365	0.468	ug/L #	25
39) cis-1,3-Dichloropropene	10.036	75	2008	0.600	ug/L #	59
45) 1,1,2-Trichloroethane	10.762	97	13763	7.926	ug/L #	21
52) Ethylbenzene	11.731	91	2719577	213.952	ug/L	96
53) m,p-Xylene	11.835	106	2082285	406.077	ug/L	90
54) o-Xylene	12.164	106	708270	145.540	ug/L	93
55) Styrene	12.164	104	35223	4.253	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.688	83	4125	2.072	ug/L #	85
60) Isopropylbenzene	12.463	105	346351	29.268	ug/L	95
61) 1,2,3-Trichloropropane	12.804	75	1194	0.942	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.938	105	257064	25.528	ug/L	91
63) 1,2,4-Trimethylbenzene	13.249	105	1197204	120.519	ug/L	96
64) 1,3-Dichlorobenzene	13.499	146	7312	1.310	ug/L #	61
67) 1,2-Dichlorobenzene	13.865	146	9059	1.843	ug/L #	77
68) 1,2-Dibromo-3-chloropr...	14.481	75	11656	44.584	ug/L #	10

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration

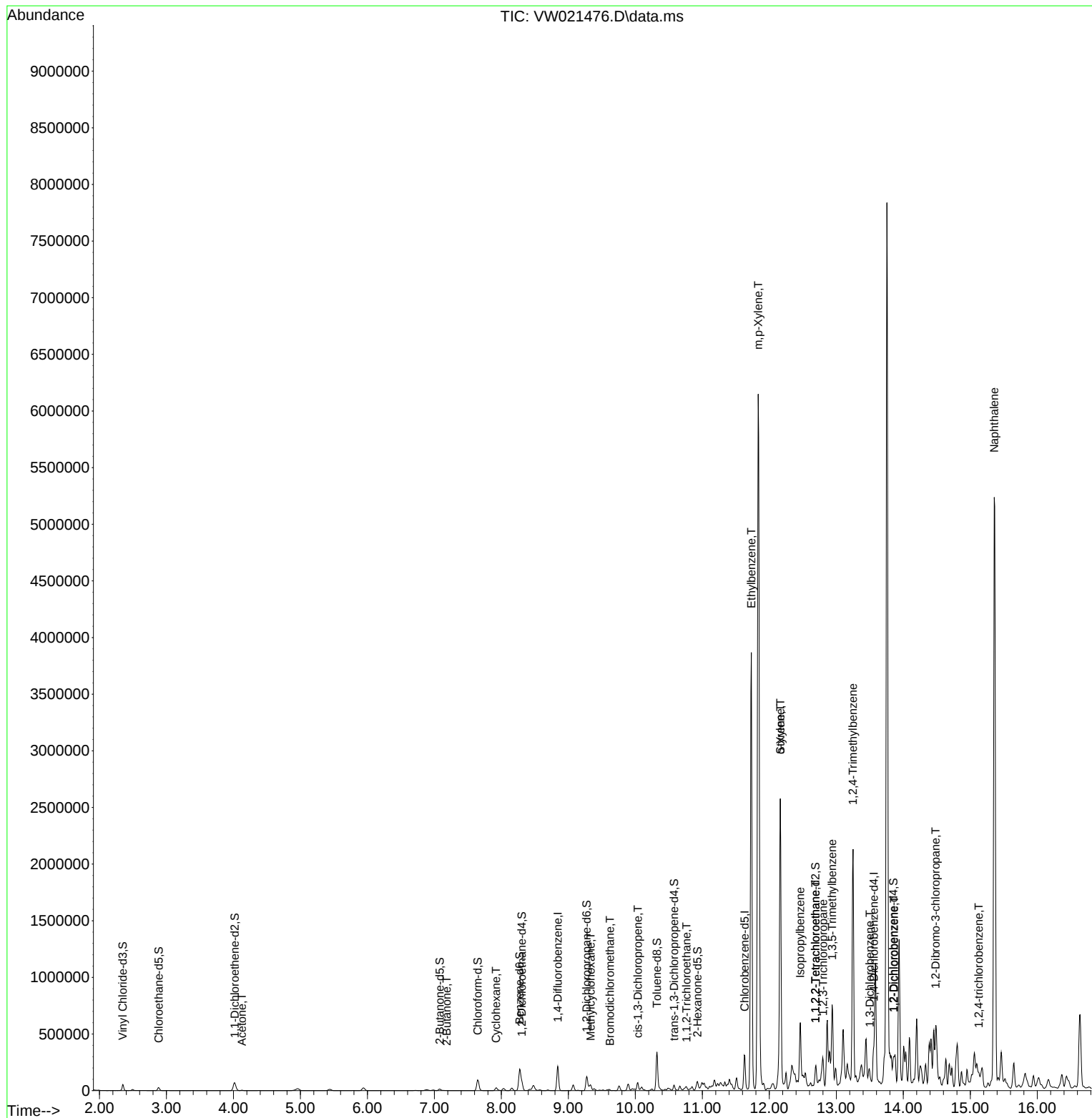
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	15.127	180	24621	7.337	ug/L #	34
71) Naphthalene	15.359	128	4828522	885.700	ug/L	99

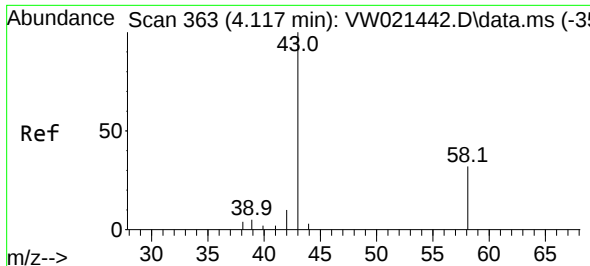
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 18 23:12:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration





#13

Acetone

Concen: 15.715 ug/L

RT: 4.129 min Scan# 3

Delta R.T. 0.012 min

Lab File: VW021476.D

Acq: 18 Dec 2021 15:06

Instrument :

MSVOA_W

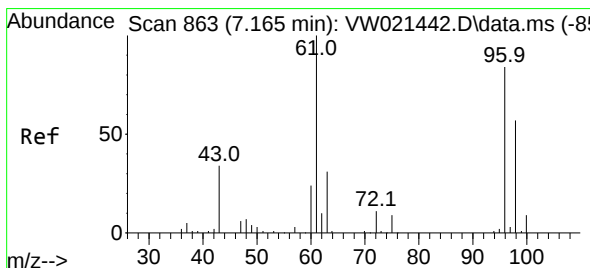
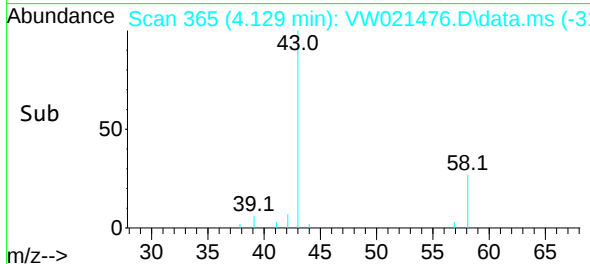
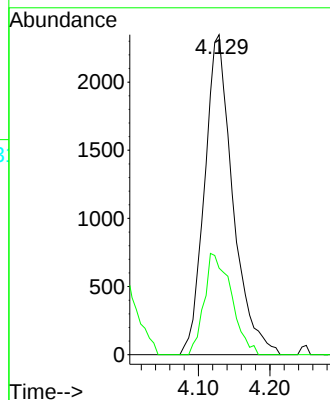
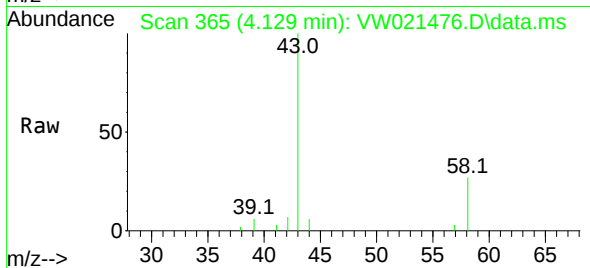
ClientSampleId :

Tgt Ion: 43 Resp: 6442

Ion Ratio Lower Upper

43 100

58 30.5 0.0 52.8



#22

2-Butanone

Concen: 3.572 ug/L

RT: 7.183 min Scan# 866

Delta R.T. 0.018 min

Lab File: VW021476.D

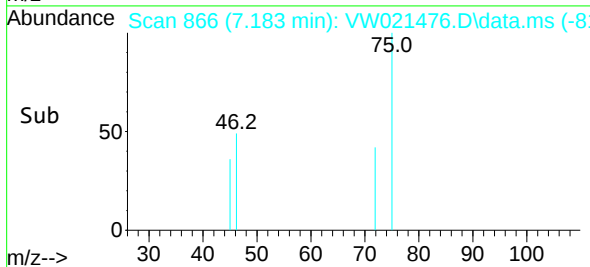
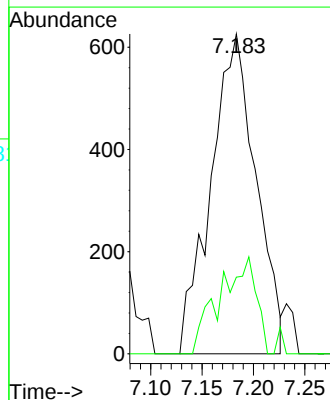
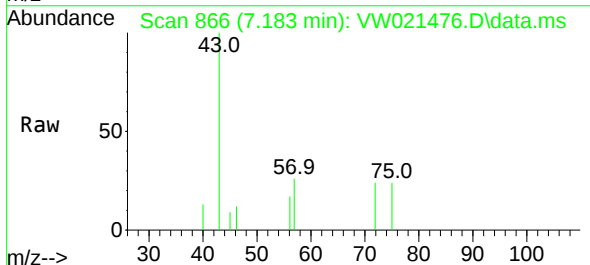
Acq: 18 Dec 2021 15:06

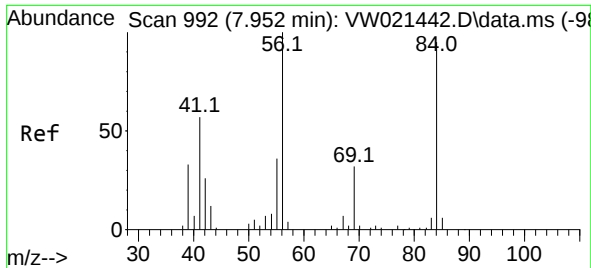
Tgt Ion: 43 Resp: 1912

Ion Ratio Lower Upper

43 100

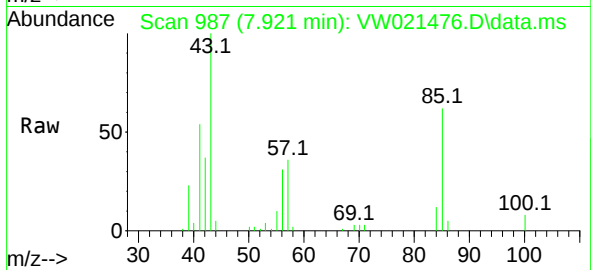
72 5.4 11.8 35.4#



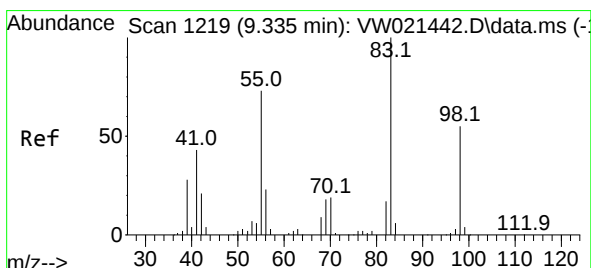
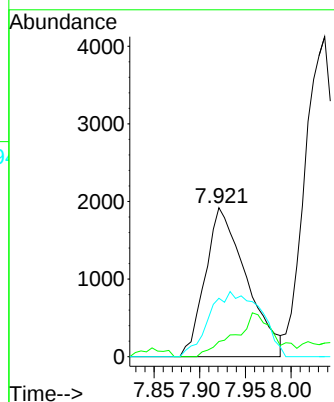
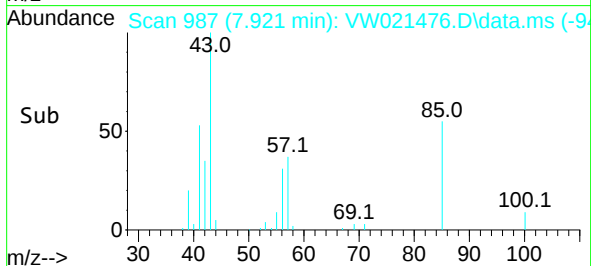


#29
Cyclohexane
Concen: 1.727 ug/L
RT: 7.921 min Scan# 91
Delta R.T. -0.031 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

Instrument :
MSVOA_W
ClientSampleId :

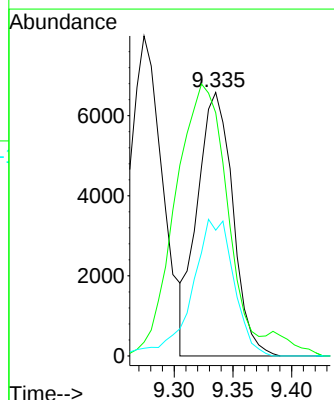
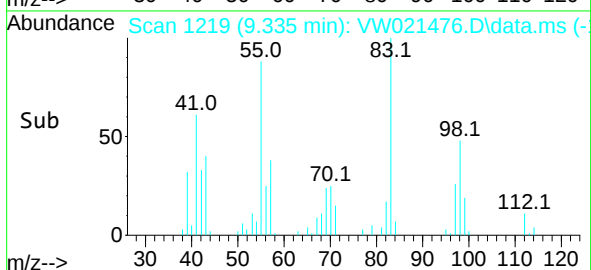
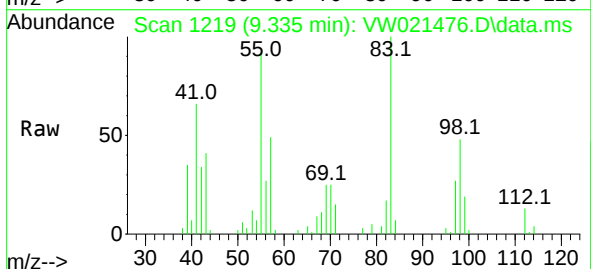


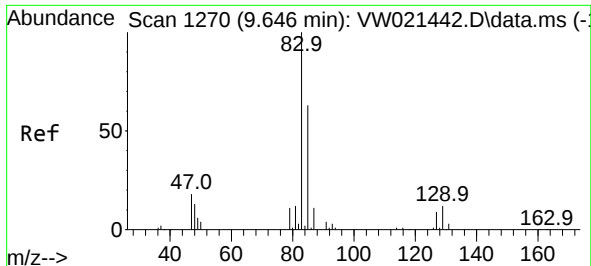
Tgt Ion: 56 Resp: 6003
Ion Ratio Lower Upper
56 100
69 9.2 23.5 35.3#
84 19.8 63.4 95.2#



#35
Methylcyclohexane
Concen: 3.148 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

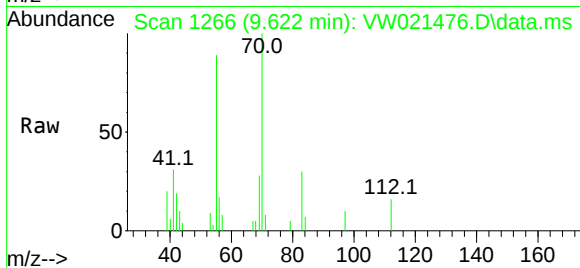
Tgt Ion: 83 Resp: 13862
Ion Ratio Lower Upper
83 100
55 149.1 70.8 106.2#
98 58.9 37.7 56.5#



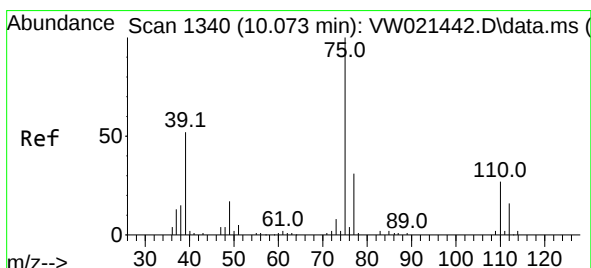
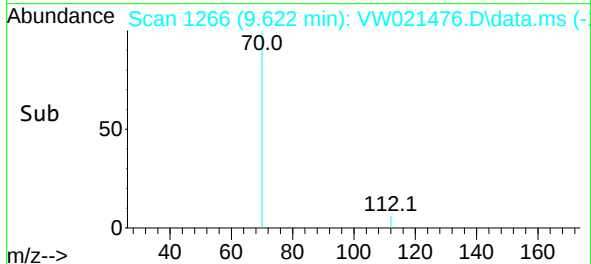
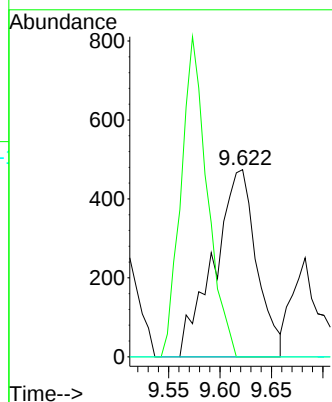


#38
Bromodichloromethane
Concen: 0.468 ug/L
RT: 9.622 min Scan# 1334
Delta R.T. -0.024 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

Instrument :
MSVOA_W
ClientSampleId :

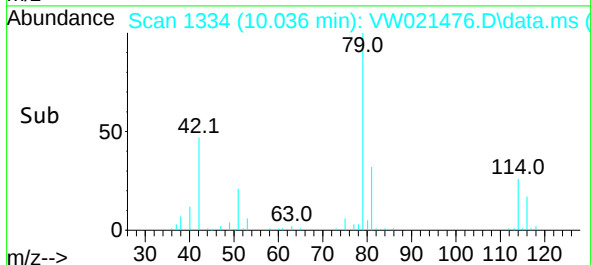
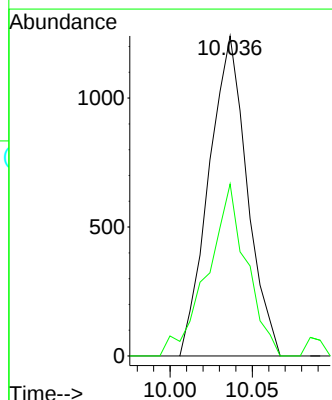
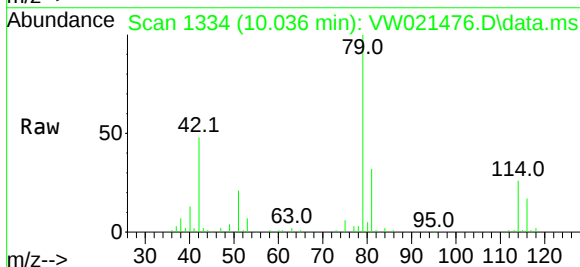


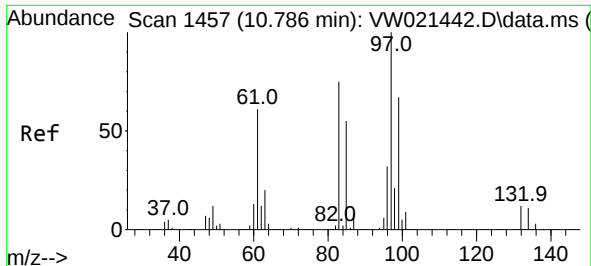
Tgt Ion: 83 Resp: 1365
Ion Ratio Lower Upper
83 100
85 0.0 44.1 81.9#
127 0.0 6.1 9.1#



#39
cis-1,3-Dichloropropene
Concen: 0.600 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

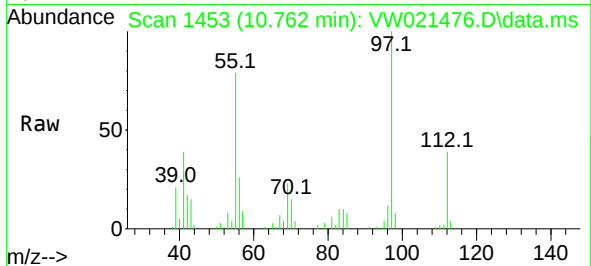
Tgt Ion: 75 Resp: 2008
Ion Ratio Lower Upper
75 100
77 53.7 21.8 40.6#



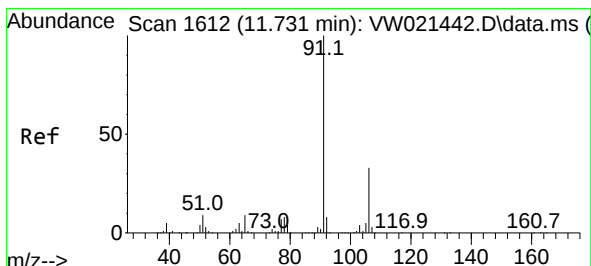
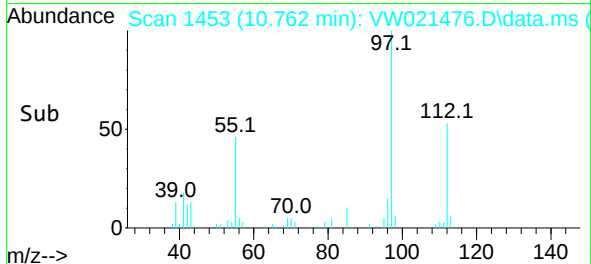
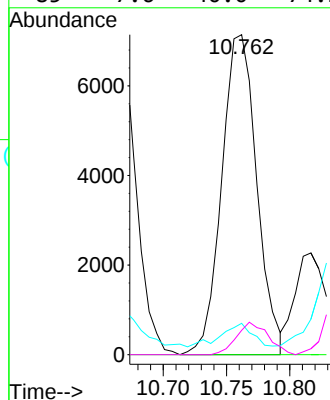


#45
1,1,2-Trichloroethane
Concen: 7.926 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

Instrument :
MSVOA_W
ClientSampleId :

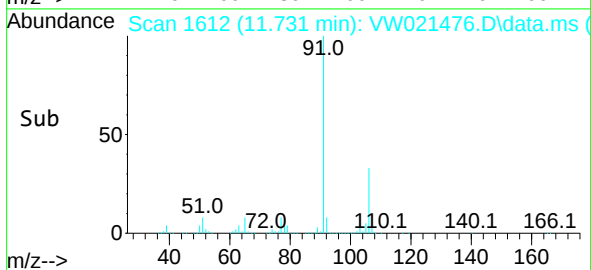
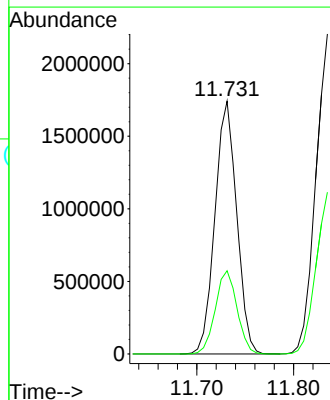
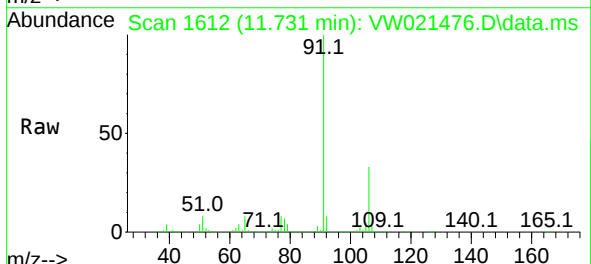


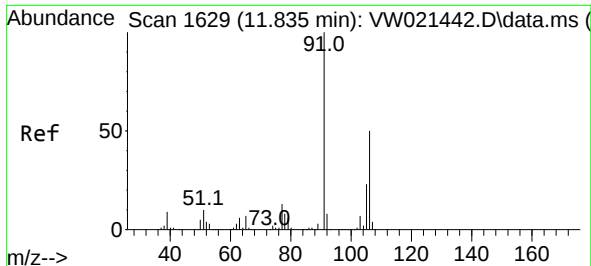
Tgt Ion: 97 Resp: 13763
Ion Ratio Lower Upper
97 100
99 0.0 43.0 79.8#
83 9.8 62.6 116.3#
85 7.6 40.0 74.2#



#52
Ethylbenzene
Concen: 213.952 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

Tgt Ion: 91 Resp: 2719577
Ion Ratio Lower Upper
91 100
106 32.9 21.5 39.9

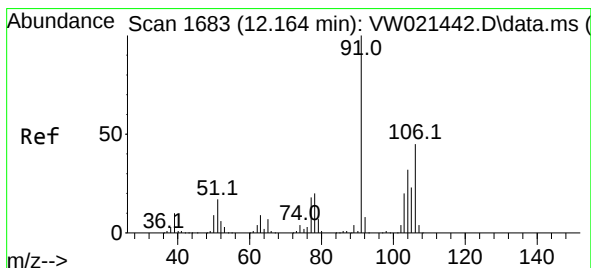
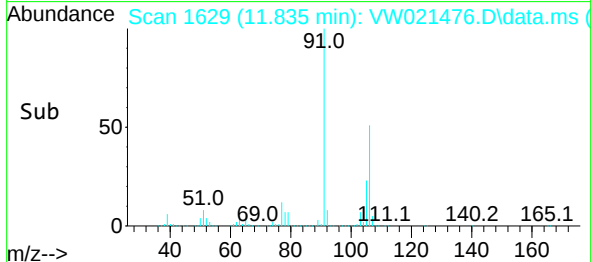
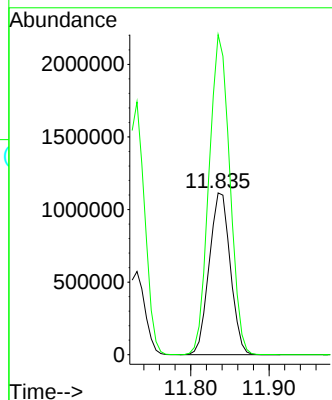
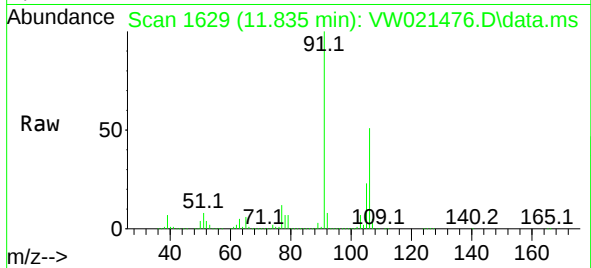




#53
m,p-Xylene
Concen: 406.077 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

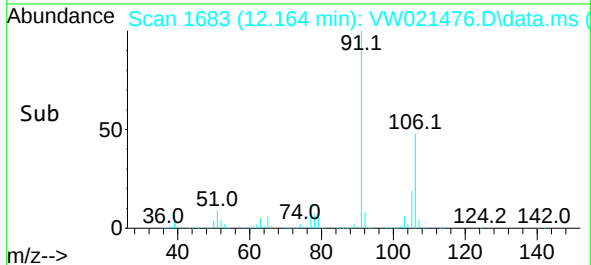
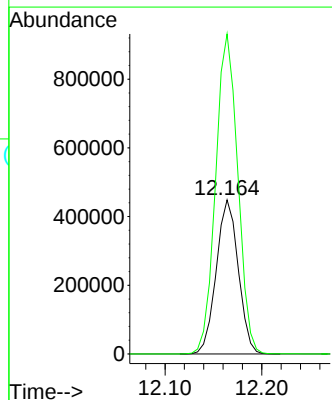
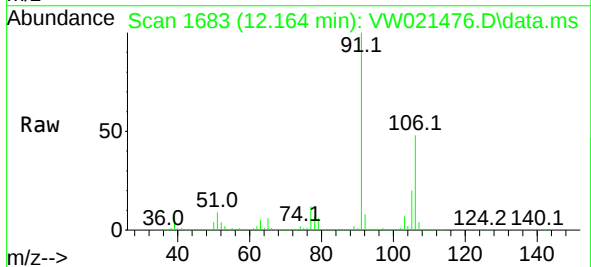
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MSVOA_W
ClientSampleId :

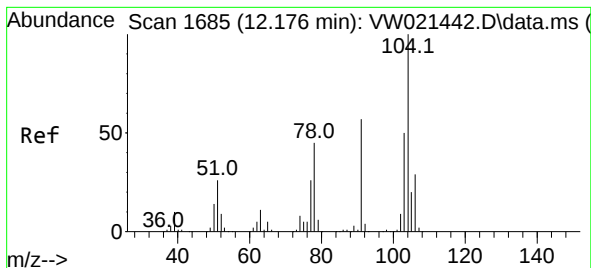
Tgt Ion:106 Resp: 2082285
Ion Ratio Lower Upper
106 100
91 197.9 149.9 278.3



#54
o-Xylene
Concen: 145.540 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

Tgt Ion:106 Resp: 708270
Ion Ratio Lower Upper
106 100
91 207.7 153.6 285.3





#55

Styrene

Concen: 4.253 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.012 min

Lab File: VW021476.D

Acq: 18 Dec 2021 15:06

Instrument :

MSVOA_W

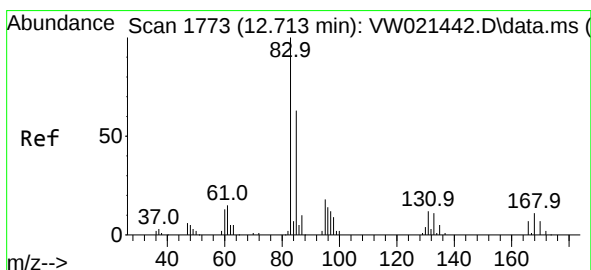
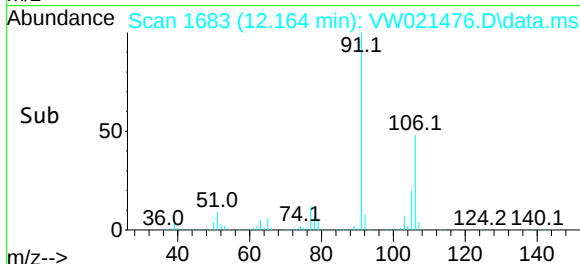
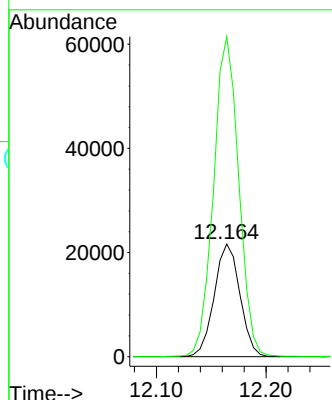
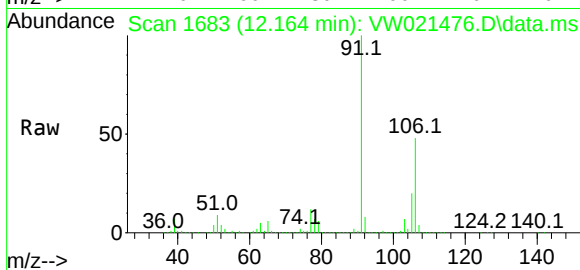
ClientSampleId :

Tgt Ion:104 Resp: 35223

Ion Ratio Lower Upper

104 100

78 284.1 34.4 64.0#



#57

1,1,2,2-Tetrachloroethane

Concen: 2.072 ug/L

RT: 12.688 min Scan# 1769

Delta R.T. -0.024 min

Lab File: VW021476.D

Acq: 18 Dec 2021 15:06

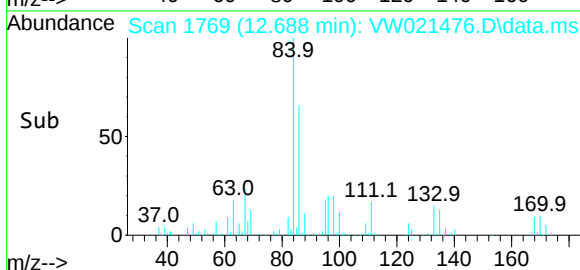
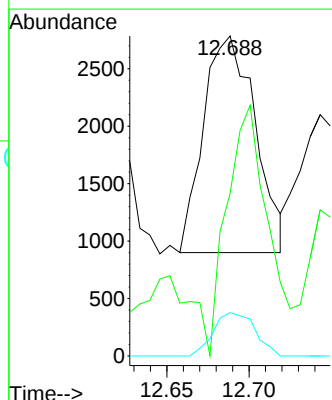
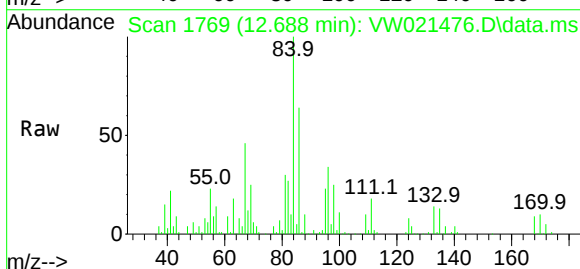
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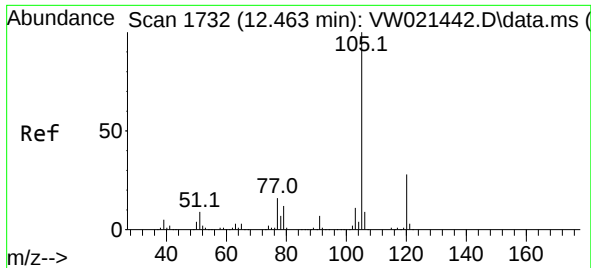
Ion Ratio Lower Upper

83 100

85 50.9 44.0 81.6

131 13.5 6.9 10.3#

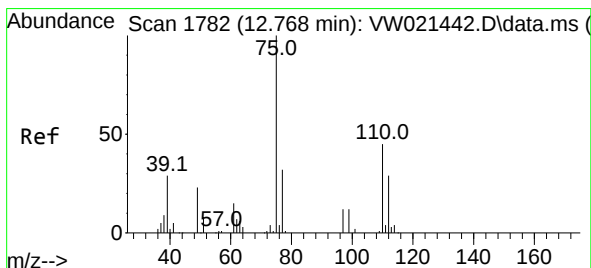
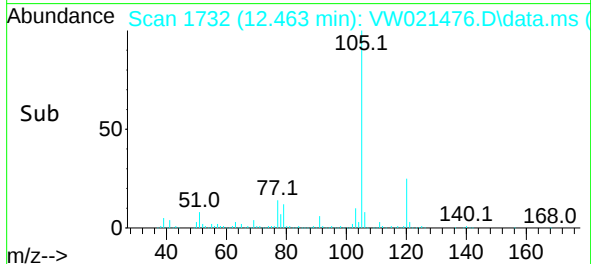
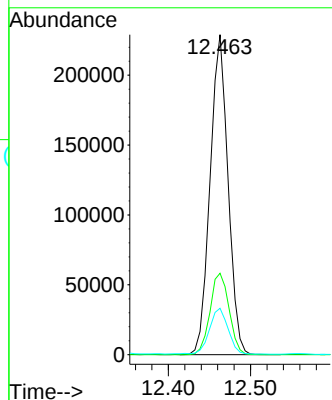
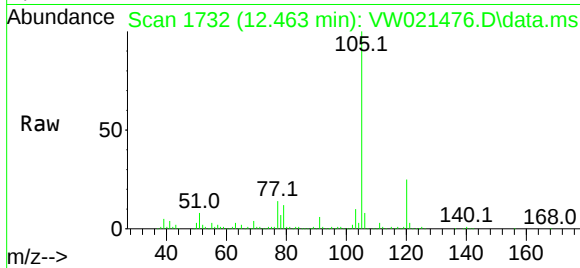




#60
Isopropylbenzene
Concen: 29.268 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

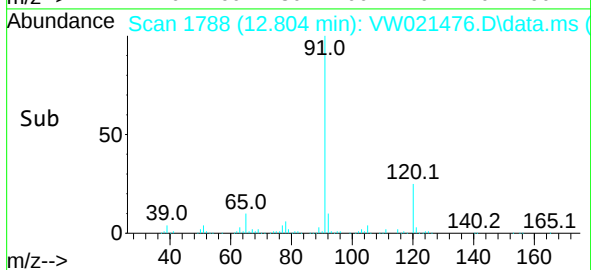
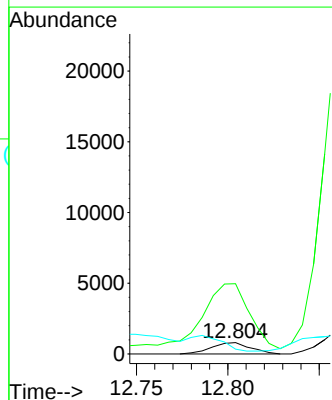
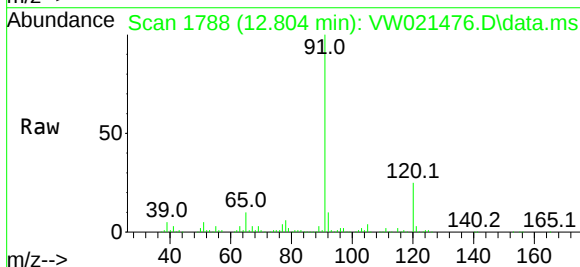
Instrument :
MSVOA_W
ClientSampleId :

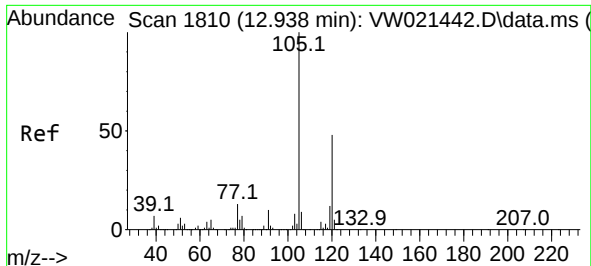
Tgt Ion:105 Resp: 346351
Ion Ratio Lower Upper
105 100
120 27.0 20.1 30.1
77 14.7 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 0.942 ug/L
RT: 12.804 min Scan# 1788
Delta R.T. 0.036 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

Tgt Ion: 75 Resp: 1194
Ion Ratio Lower Upper
75 100
77 673.2 25.8 38.8#
110 113.1 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 25.528 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW021476.D

Acq: 18 Dec 2021 15:06

Instrument :

MSVOA_W

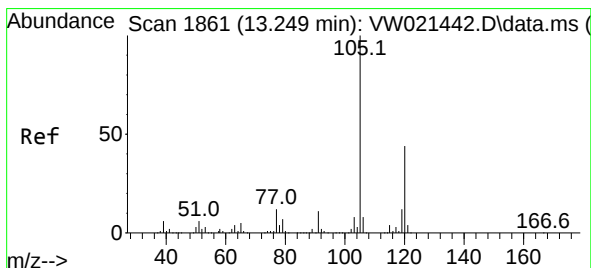
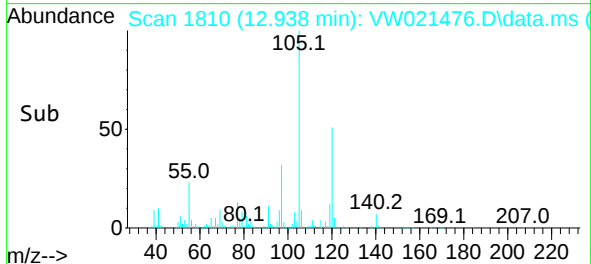
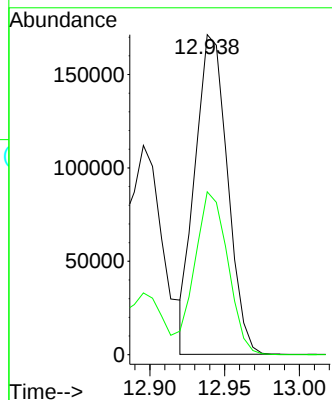
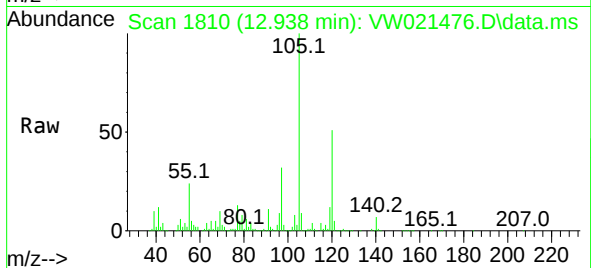
ClientSampleId :

Tgt Ion:105 Resp: 257064

Ion Ratio Lower Upper

105 100

120 52.8 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 120.519 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021476.D

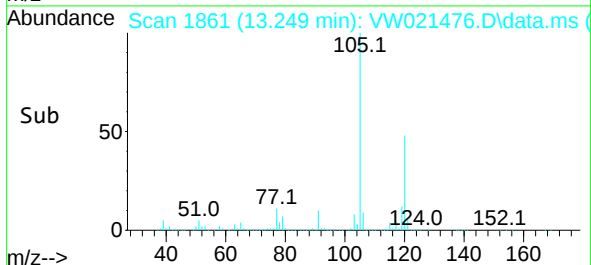
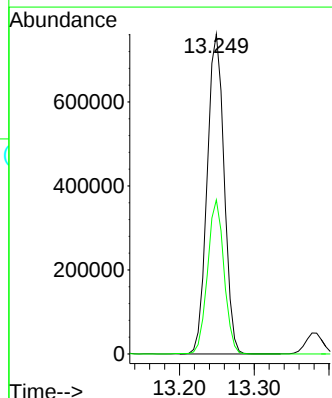
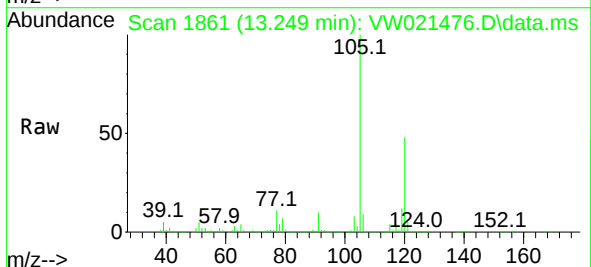
Acq: 18 Dec 2021 15:06

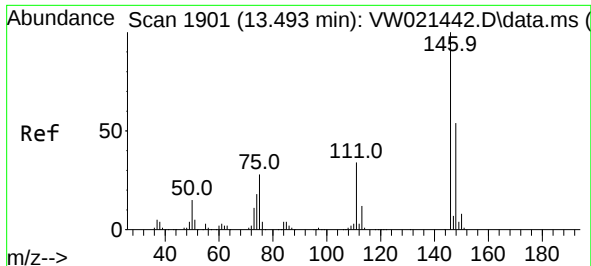
Tgt Ion:105 Resp: 1197204

Ion Ratio Lower Upper

105 100

120 46.7 35.0 52.6

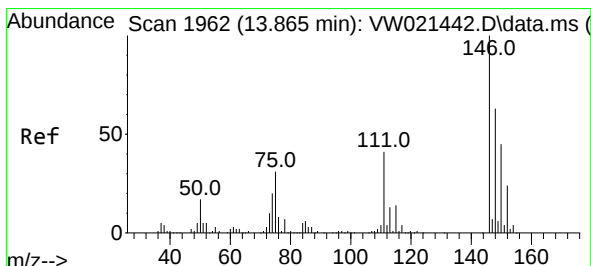
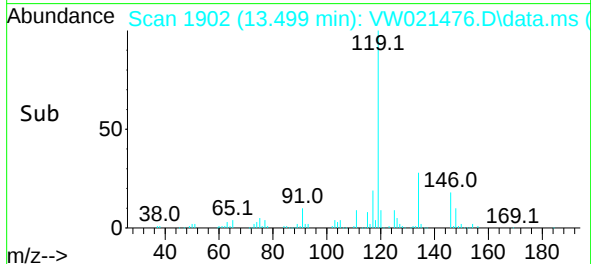
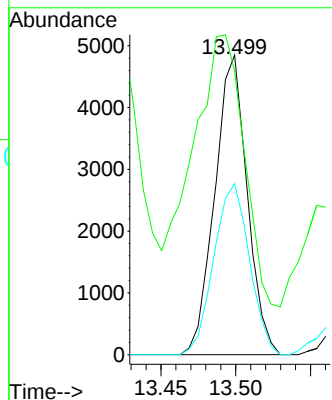
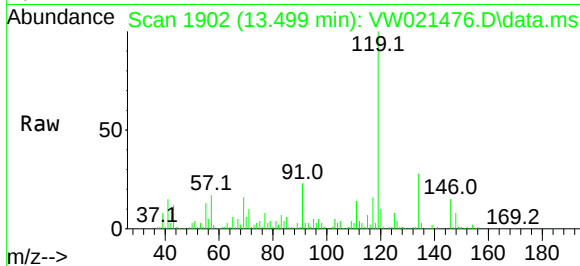




#64
1,3-Dichlorobenzene
Concen: 1.310 ug/L
RT: 13.499 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

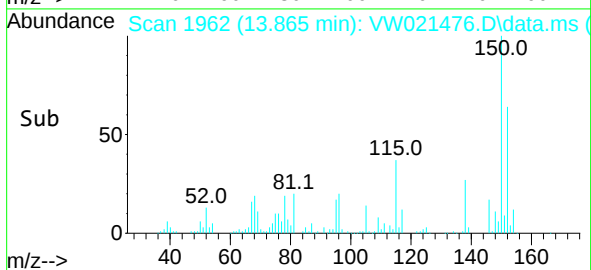
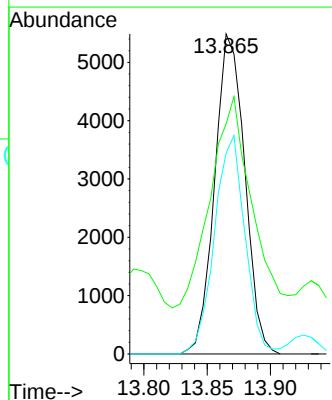
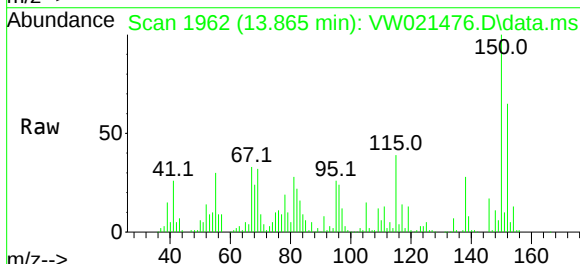
Instrument :
MSVOA_W
ClientSampleId :

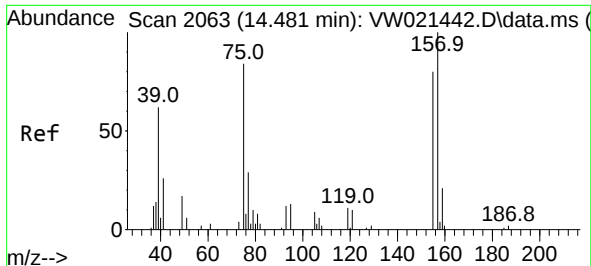
Tgt Ion:146 Resp: 7312
Ion Ratio Lower Upper
146 100
111 94.7 29.8 55.3#
148 57.1 46.2 85.8



#67
1,2-Dichlorobenzene
Concen: 1.843 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

Tgt Ion:146 Resp: 9059
Ion Ratio Lower Upper
146 100
111 71.9 33.1 49.7#
148 62.7 47.4 71.2





#68

1,2-Dibromo-3-chloropropane

Concen: 44.584 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

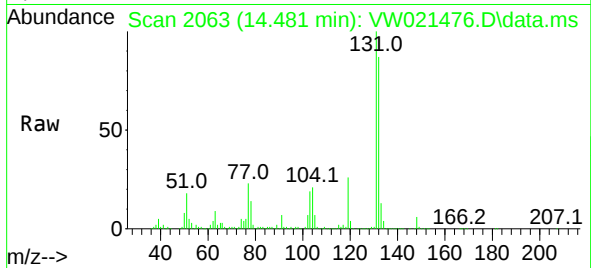
Lab File: VW021476.D

Acq: 18 Dec 2021 15:06

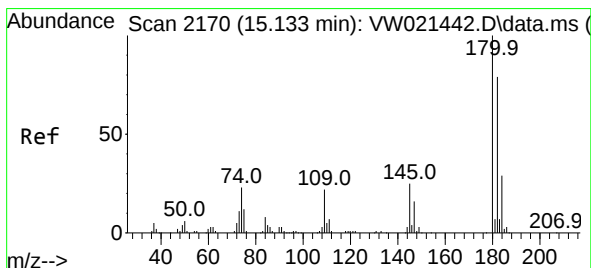
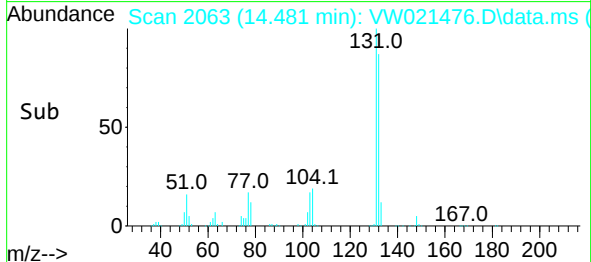
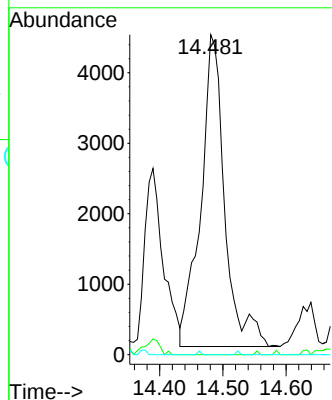
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	75	Resp:	11656
Ion Ratio	Lower	Upper	
75	100		
155	0.0	54.2	81.2#
157	0.0	69.4	104.2#



#70

1,2,4-trichlorobenzene

Concen: 7.337 ug/L

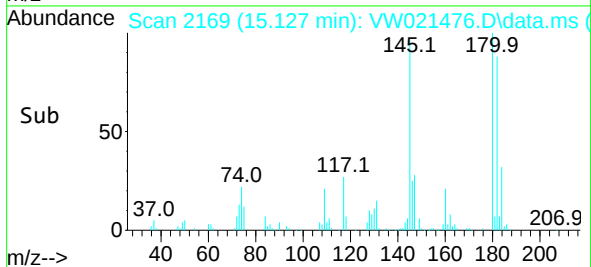
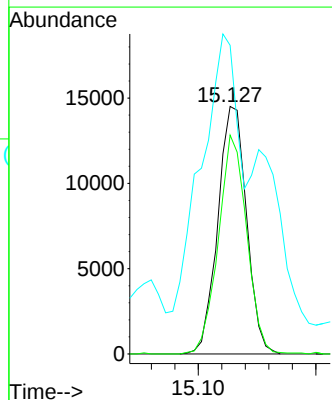
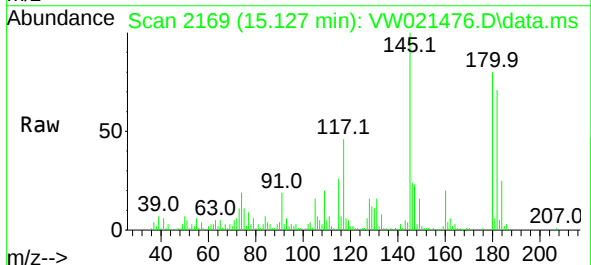
RT: 15.127 min Scan# 2169

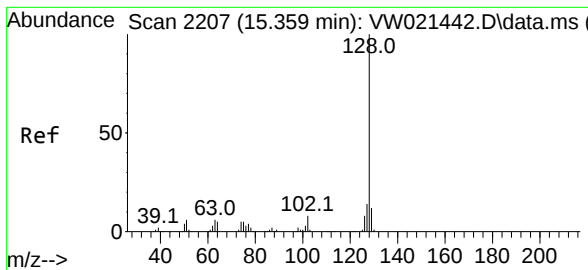
Delta R.T. -0.006 min

Lab File: VW021476.D

Acq: 18 Dec 2021 15:06

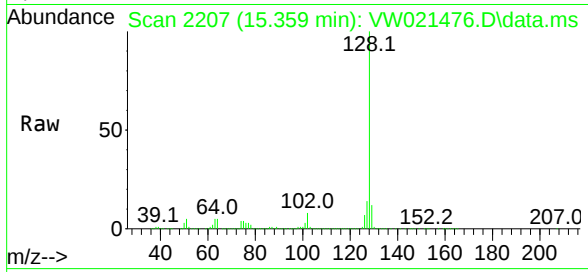
Tgt Ion:	180	Resp:	24621
Ion Ratio	Lower	Upper	
180	100		
182	87.3	79.0	118.6
145	162.4	26.0	39.0#





#71
Naphthalene
Concen: 885.700 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW021476.D
Acq: 18 Dec 2021 15:06

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 4828522
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 11.4 8.6 12.8

