

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
 Data File : VW021014.D
 Acq On : 02 Dec 2021 01:04
 Operator : SY/VA
 Sample : M4881-02
 Misc : 4.51g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 02 07:29:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 07:10:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	34305	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	14554	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	2201	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	8781	22.067	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.280%
7) Chloroethane-d5	2.885	69	10395	40.505	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	162.000%#
11) 1,1-Dichloroethene-d2	4.019	63	18483	24.007	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.040%
21) 2-Butanone-d5	7.080	46	9711	97.774	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	195.540%#
24) Chloroform-d	7.647	84	37067	42.883	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	171.520%#
26) 1,2-Dichloroethane-d4	8.305	65	19781	45.086	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	180.360%#
32) Benzene-d6	8.275	84	44396	57.877	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	231.520%#
36) 1,2-Dichloropropane-d6	9.275	67	20693	94.735	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	378.960%#
41) Toluene-d8	10.323	98	29820	39.168	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	156.680%#
43) trans-1,3-Dichloroprop...	10.579	79	4016	38.898	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	155.600%#
47) 2-Hexanone-d5	10.927	63	5235	144.505	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	289.020%#
56) 1,1,2,2-Tetrachloroeth...	12.689	84	14341	85.705	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	342.840%#
66) 1,2-Dichlorobenzene-d4	13.853	152	2149	27.394	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.560%
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	1475	16.634	ug/L	99
14) Carbon disulfide	4.385	76	27189	23.389	ug/L	97
15) Methyl Acetate	4.397	43	319	2.006	ug/L	# 56
16) Methylene chloride	4.916	84	3498	7.311	ug/L	93
27) 1,2-Dichloroethane	8.403	62	982	1.933	ug/L	# 77
34) Trichloroethene	9.092	95	507	2.200	ug/L	87
37) 1,2-Dichloropropane	9.275	63	2504	13.057	ug/L	# 88
39) cis-1,3-Dichloropropene	10.037	75	458	1.446	ug/L	92
40) 4-Methyl-2-pentanone	10.207	43	264	2.313	ug/L	# 78
48) 2-Hexanone	10.927	43	626	7.917	ug/L	# 62
52) Ethylbenzene	11.731	91	1481	1.442	ug/L	89
53) m,p-Xylene	11.835	106	2302	5.490	ug/L	100
54) o-Xylene	12.170	106	509	1.264	ug/L	88
60) Isopropylbenzene	12.469	105	136	0.454	ug/L	# 54
61) 1,2,3-Trichloropropane	12.597	75	639	19.793	ug/L	# 93
62) 1,3,5-Trimethylbenzene	12.945	105	842	3.329	ug/L	92
63) 1,2,4-Trimethylbenzene	13.256	105	2960	11.863	ug/L	94
71) Naphthalene	15.359	128	807	5.438	ug/L	# 69

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 02 07:10:34 2021
Response via : Initial Calibration

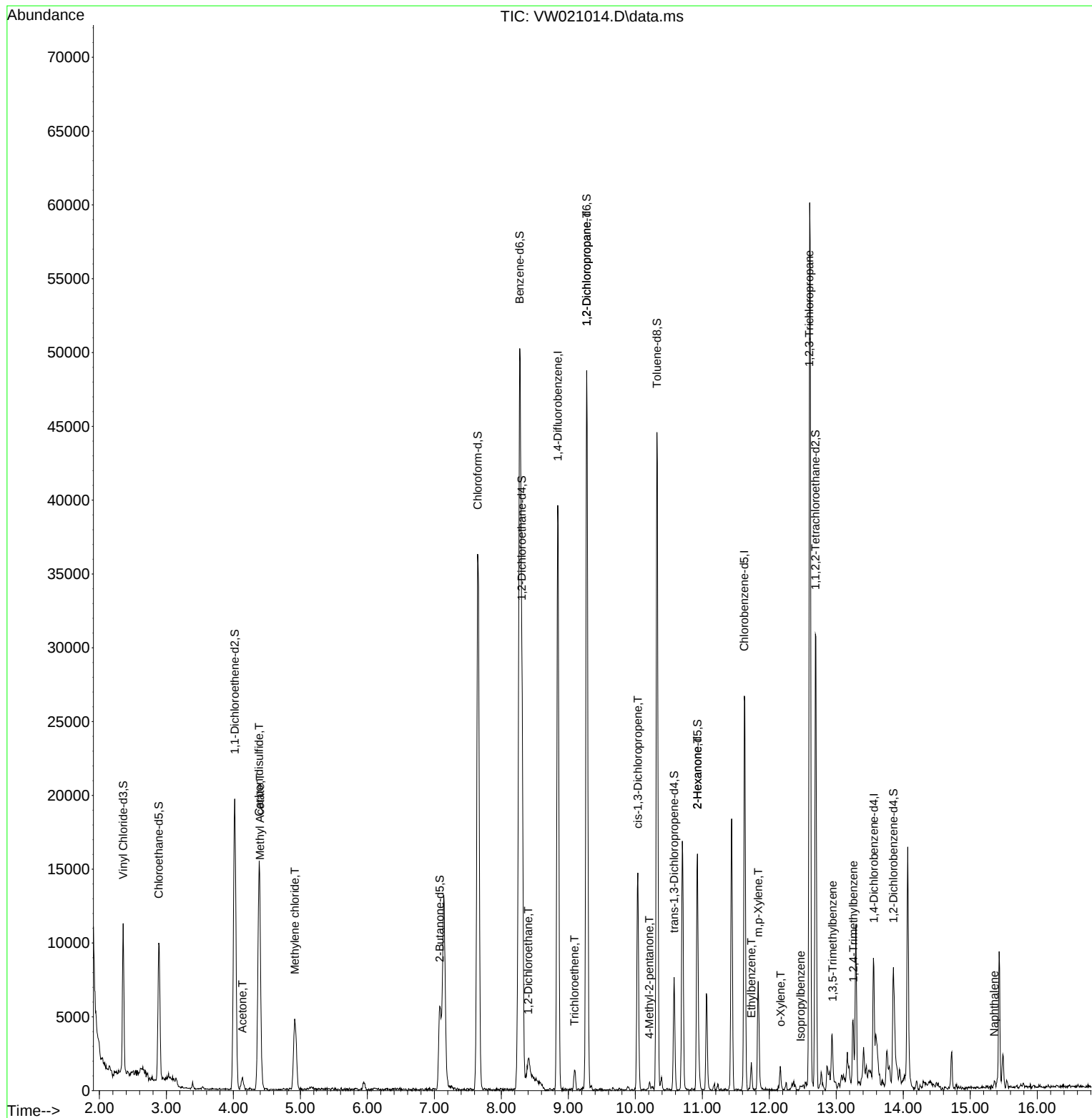
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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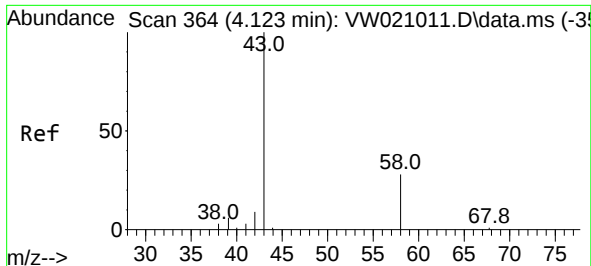
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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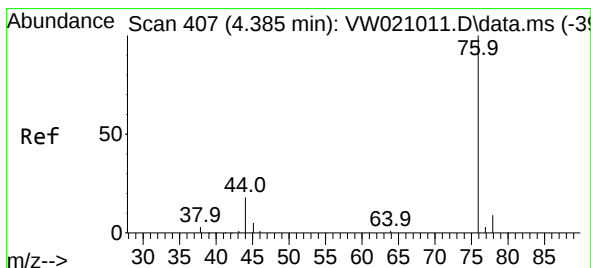
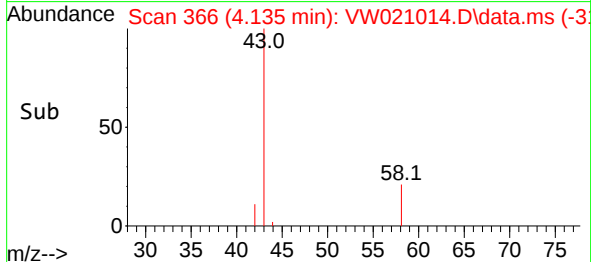
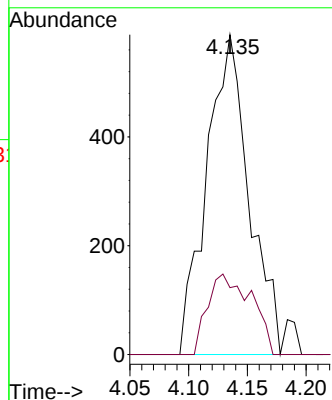
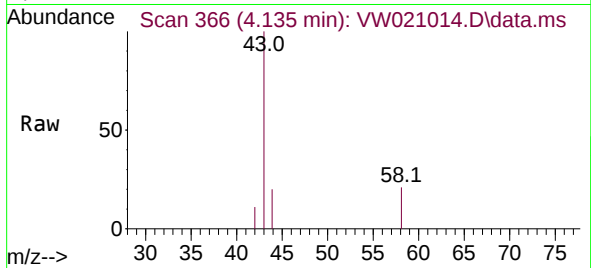




#13
Acetone
Concen: 16.634 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.012 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

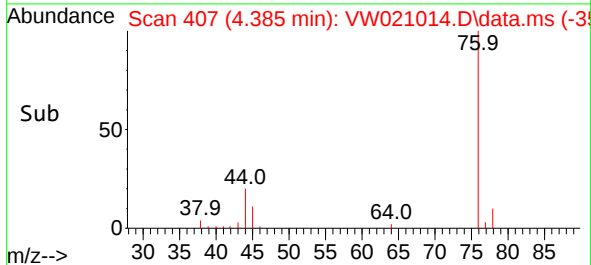
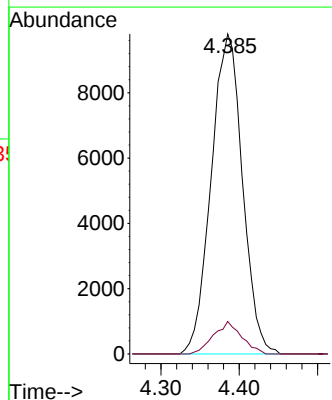
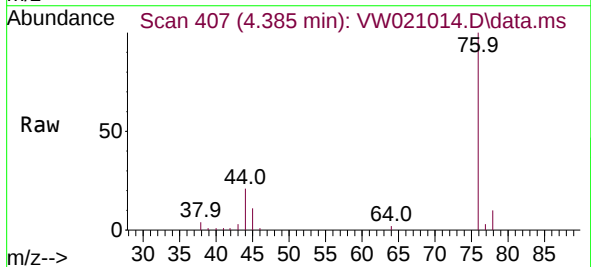
Instrument :
MSVOA_W
ClientSampleId :

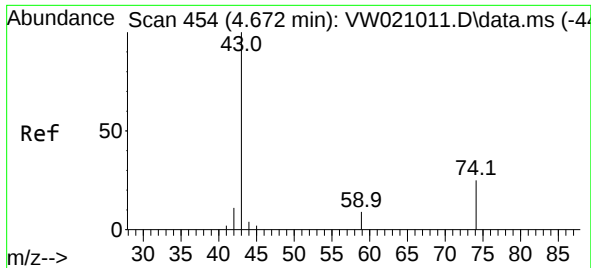
Tgt Ion: 43 Resp: 1475
Ion Ratio Lower Upper
43 100
58 26.0 0.0 52.8



#14
Carbon disulfide
Concen: 23.389 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

Tgt Ion: 76 Resp: 27189
Ion Ratio Lower Upper
76 100
78 10.1 7.1 10.7

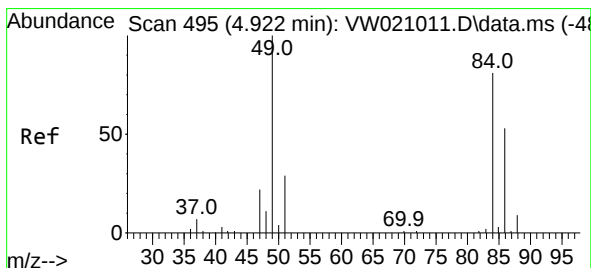
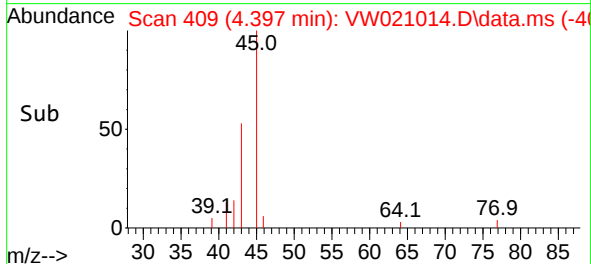
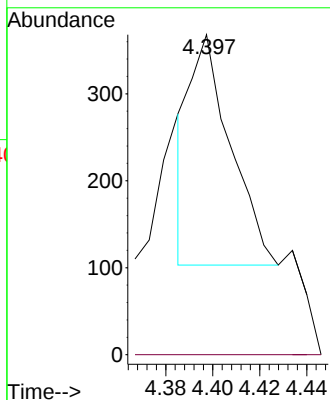
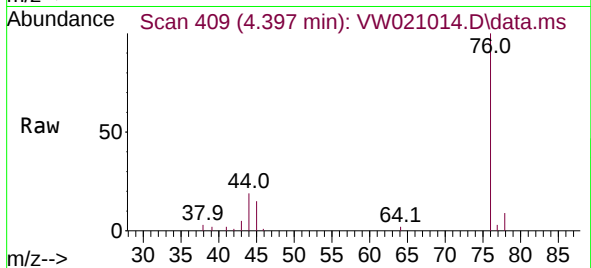




#15
Methyl Acetate
Concen: 2.006 ug/L
RT: 4.397 min Scan# 409
Delta R.T. -0.274 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

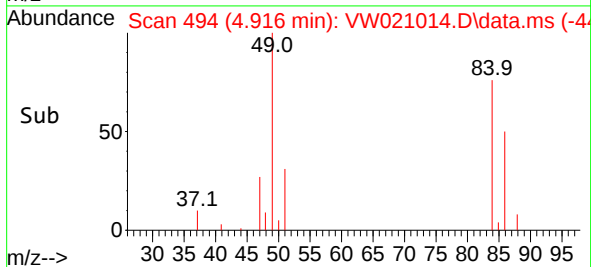
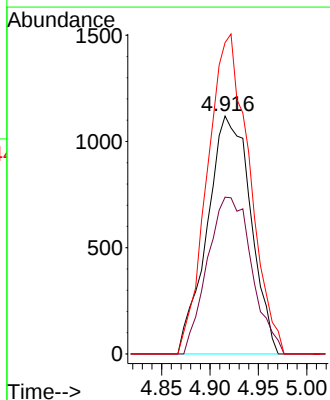
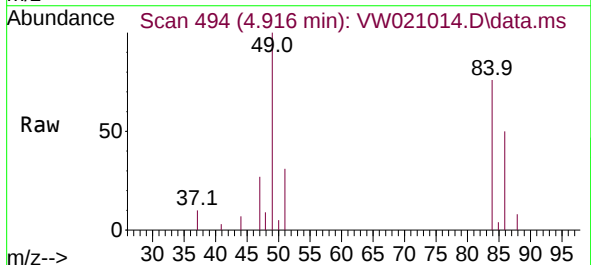
Instrument :
MSVOA_W
ClientSampleId :

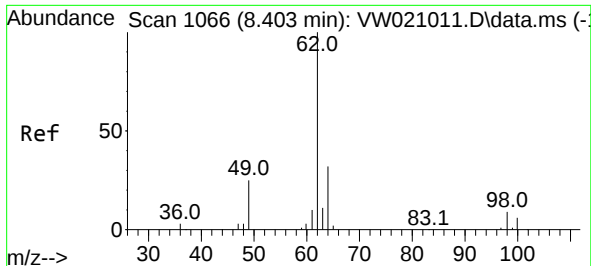
Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#16
Methylene chloride
Concen: 7.311 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

Tgt Ion: 84 Resp: 3498
Ion Ratio Lower Upper
84 100
86 65.9 45.5 84.5
49 130.8 100.5 186.7





#27

1,2-Dichloroethane

Concen: 1.933 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW021014.D

Acq: 02 Dec 2021 01:04

Instrument :

MSVOA_W

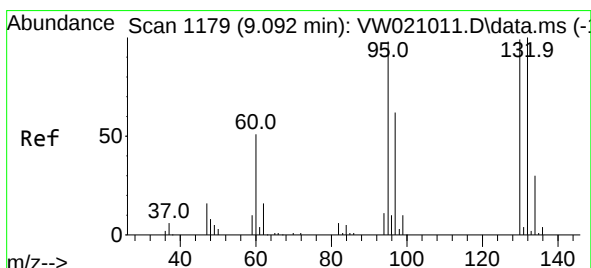
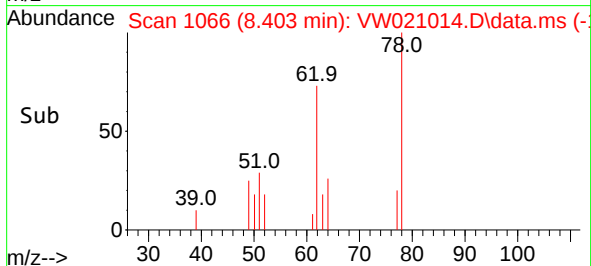
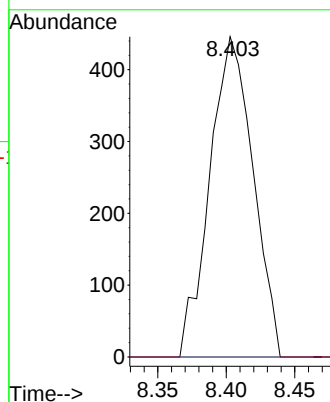
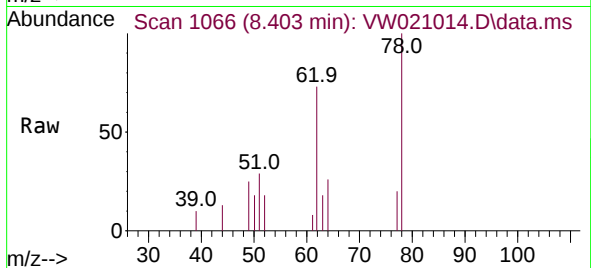
ClientSampleId :

Tgt Ion: 62 Resp: 982

Ion Ratio Lower Upper

62 100

98 0.0 6.5 9.7#



#34

Trichloroethene

Concen: 2.200 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW021014.D

Acq: 02 Dec 2021 01:04

Tgt Ion: 95 Resp: 507

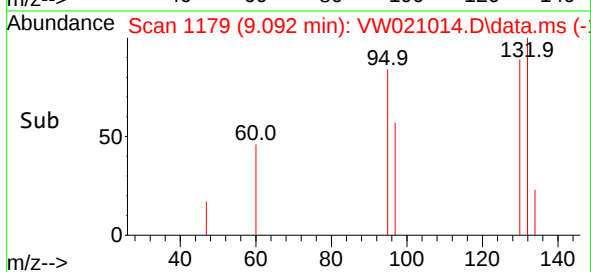
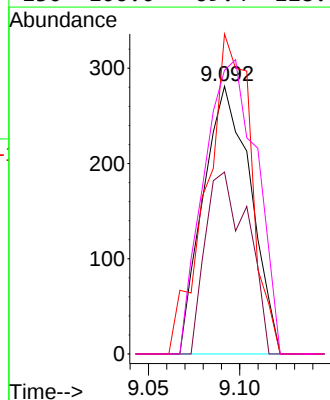
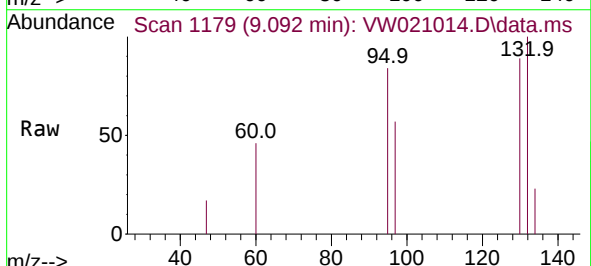
Ion Ratio Lower Upper

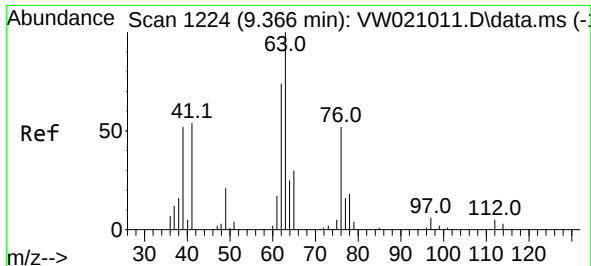
95 100

97 68.0 47.0 87.2

132 119.6 65.5 121.6

130 106.0 69.4 128.8





#37

1,2-Dichloropropane

Concen: 13.057 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.092 min

Lab File: VW021014.D

Acq: 02 Dec 2021 01:04

Instrument :

MSVOA_W

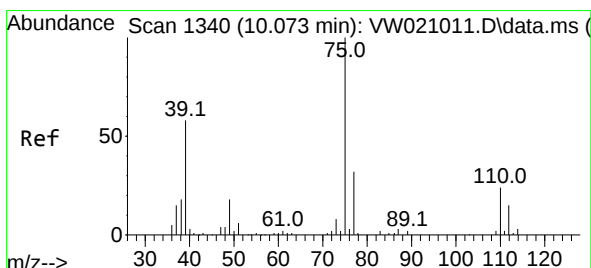
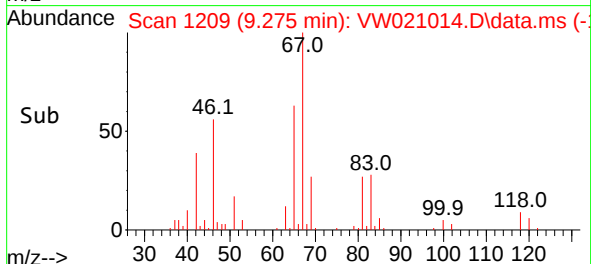
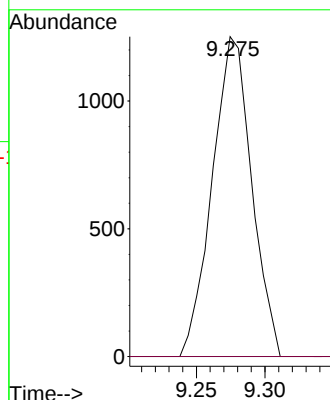
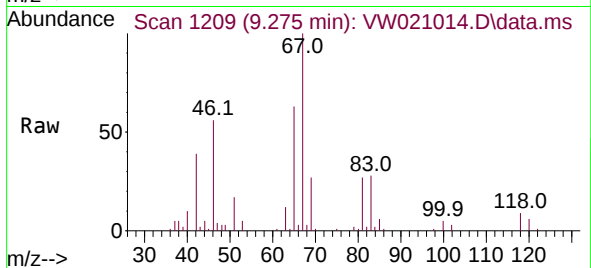
ClientSampleId :

Tgt Ion: 63 Resp: 2504

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 1.446 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021014.D

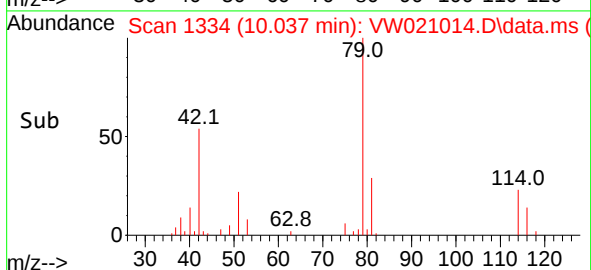
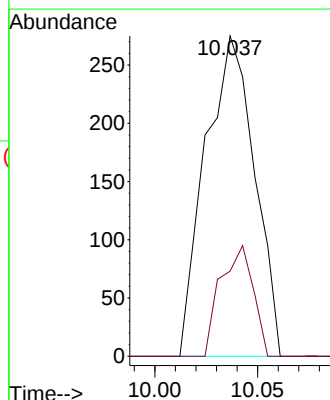
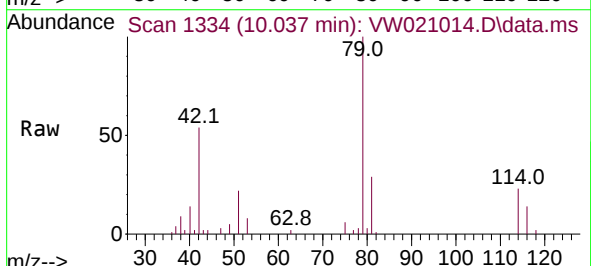
Acq: 02 Dec 2021 01:04

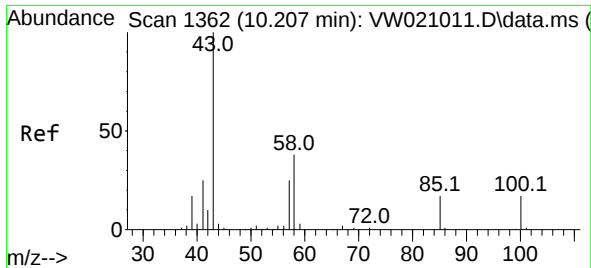
Tgt Ion: 75 Resp: 458

Ion Ratio Lower Upper

75 100

77 26.5 21.8 40.6

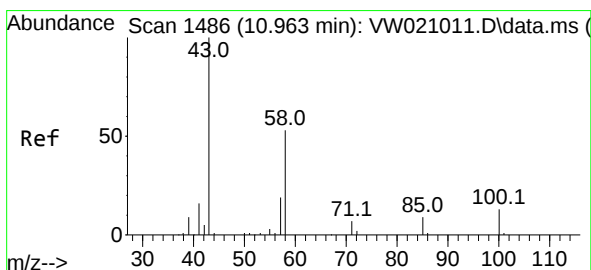
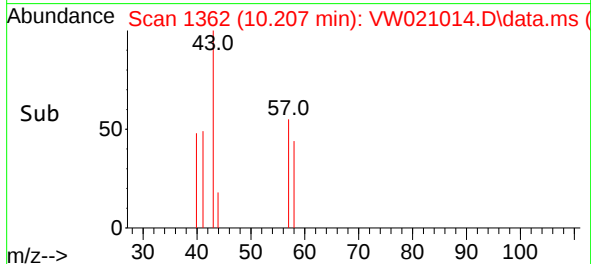
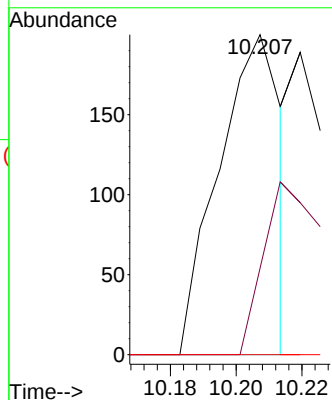
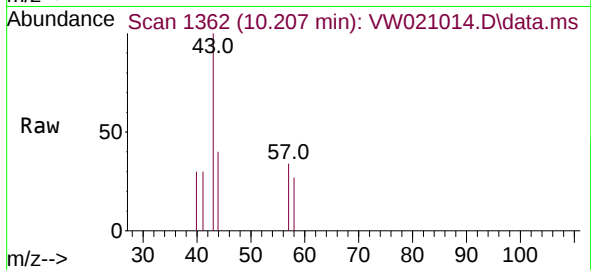




#40
4-Methyl-2-pentanone
Concen: 2.313 ug/L
RT: 10.207 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

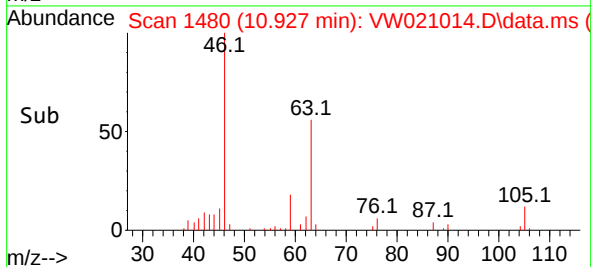
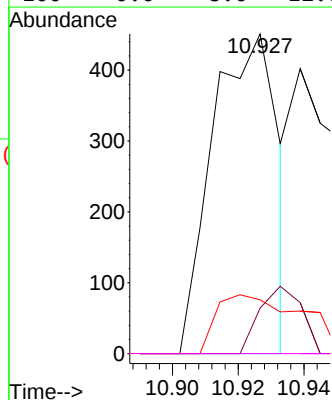
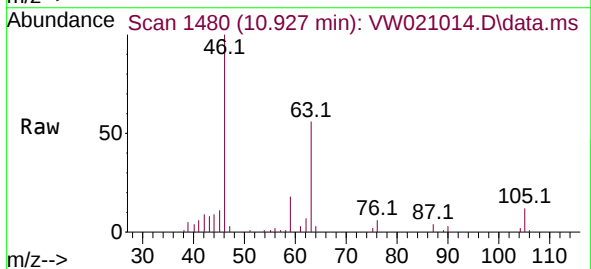
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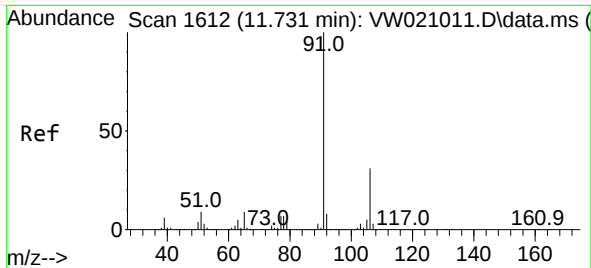
Tgt Ion: 43 Resp: 264
Ion Ratio Lower Upper
43 100
58 46.6 28.8 43.2#
100 0.0 10.0 15.0#



#48
2-Hexanone
Concen: 7.917 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.037 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

Tgt Ion: 43 Resp: 626
Ion Ratio Lower Upper
43 100
58 13.6 40.2 60.2#
57 16.9 14.3 21.5
100 0.0 8.0 12.0#

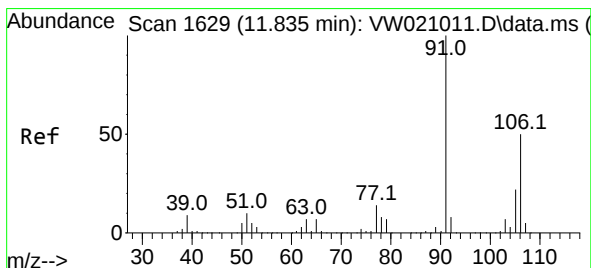
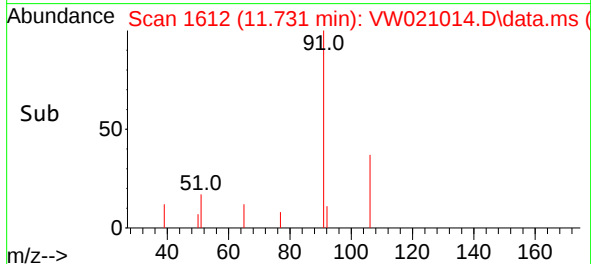
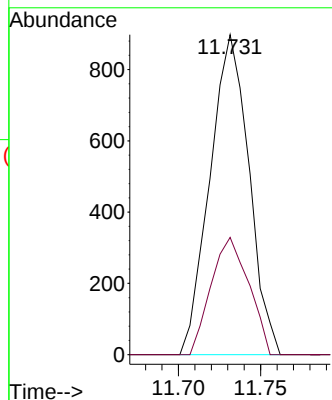
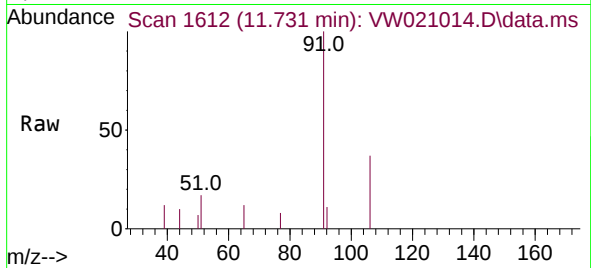




#52
Ethylbenzene
Concen: 1.442 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

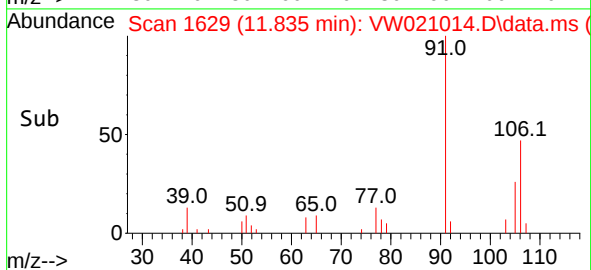
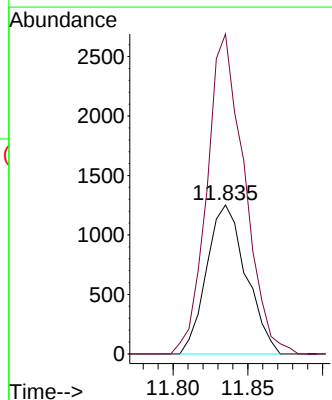
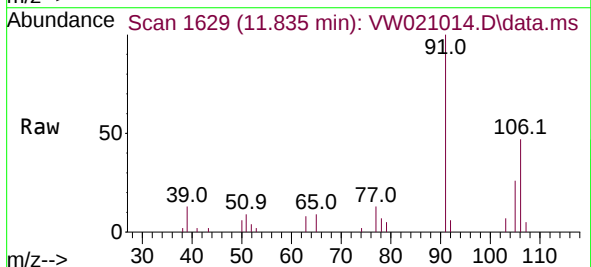
Instrument :
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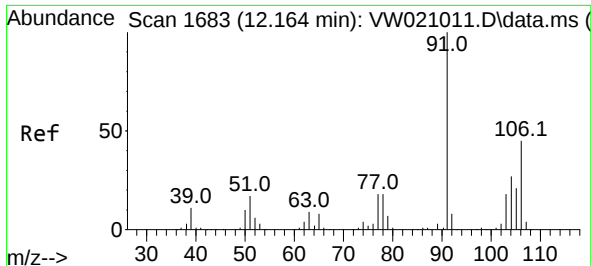
Tgt Ion: 91 Resp: 1481
Ion Ratio Lower Upper
91 100
106 36.6 21.5 39.9



#53
m,p-Xylene
Concen: 5.490 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

Tgt Ion:106 Resp: 2302
Ion Ratio Lower Upper
106 100
91 214.9 149.9 278.3

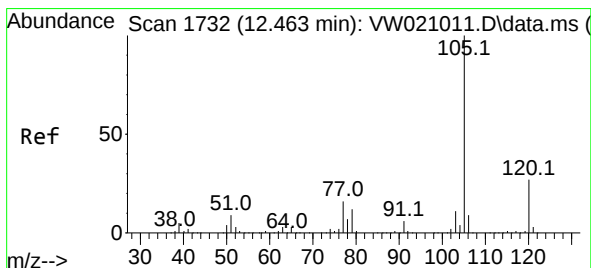
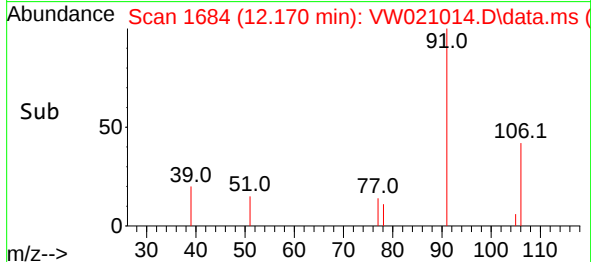
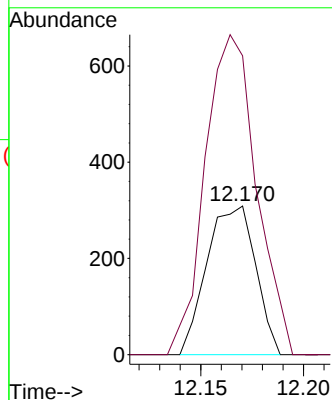
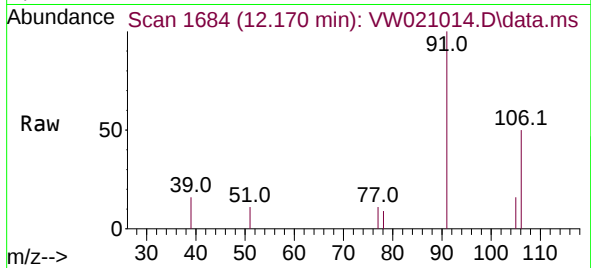




#54
o-Xylene
Concen: 1.264 ug/L
RT: 12.170 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

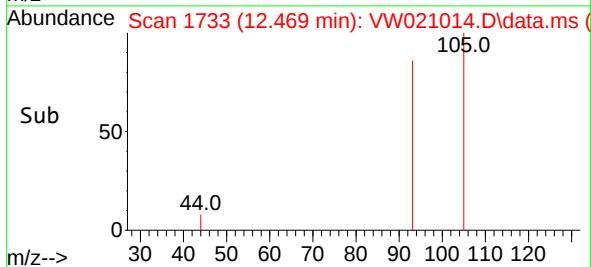
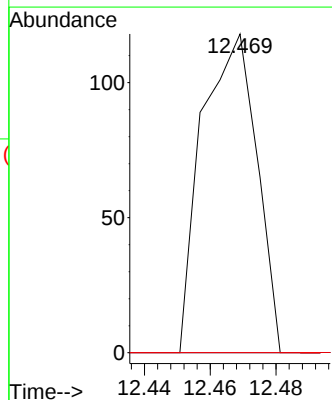
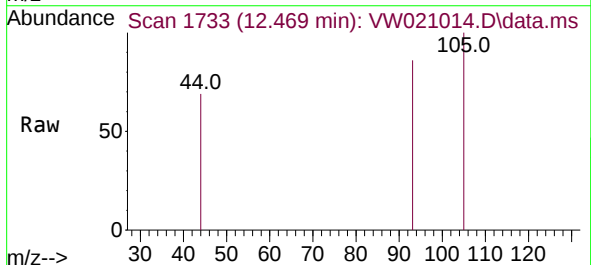
Instrument :
MSVOA_W
ClientSampleId :

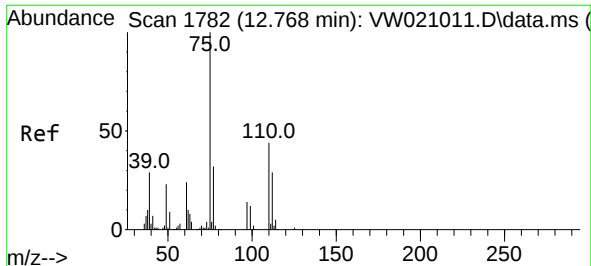
Tgt Ion:106 Resp: 509
Ion Ratio Lower Upper
106 100
91 201.0 153.6 285.3



#60
Isopropylbenzene
Concen: 0.454 ug/L
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

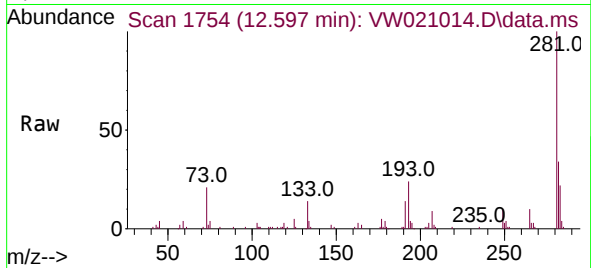
Tgt Ion:105 Resp: 136
Ion Ratio Lower Upper
105 100
120 0.0 20.1 30.1#
77 0.0 13.8 20.8#



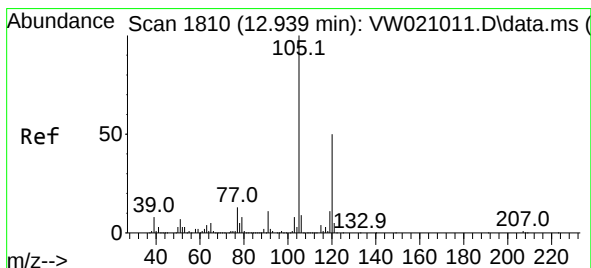
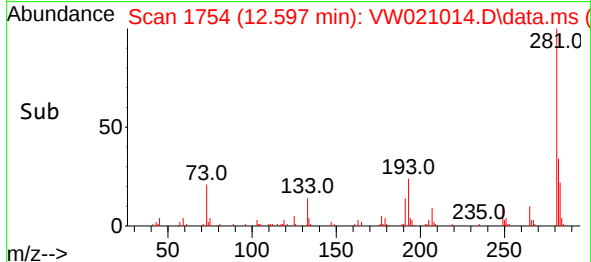
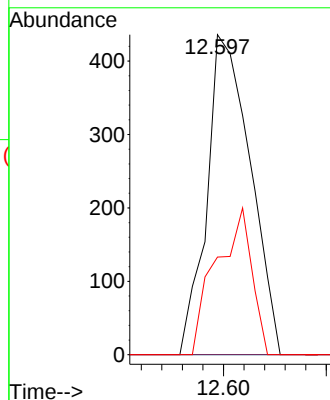


#61
1,2,3-Trichloropropane
Concen: 19.793 ug/L
RT: 12.597 min Scan# 11
Delta R.T. -0.171 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

Instrument :
MSVOA_W
ClientSampleId :

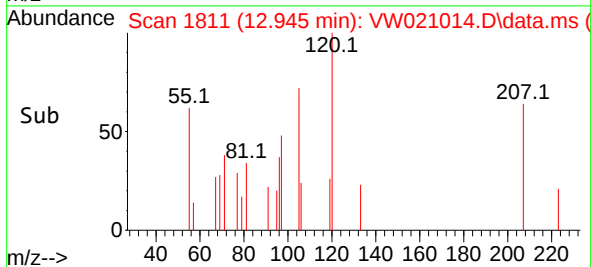
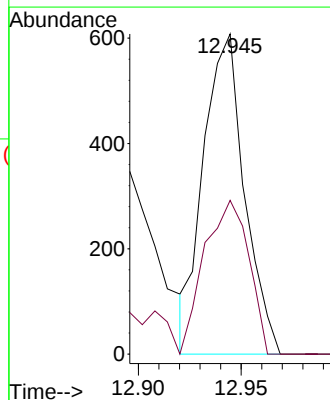
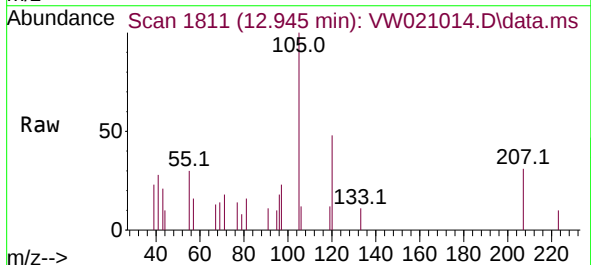


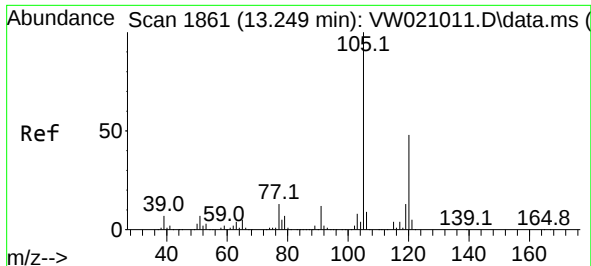
Tgt Ion: 75 Resp: 639
Ion Ratio Lower Upper
75 100
77 25.7 25.8 38.8#
110 37.7 29.0 43.4



#62
1,3,5-Trimethylbenzene
Concen: 3.329 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

Tgt Ion: 105 Resp: 842
Ion Ratio Lower Upper
105 100
120 52.3 37.4 56.2

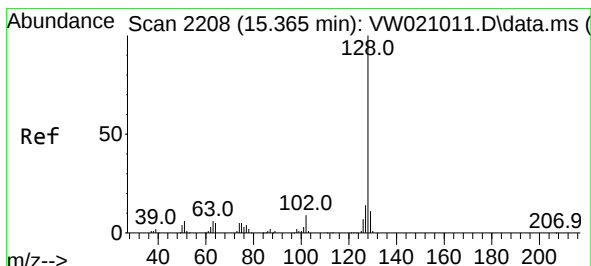
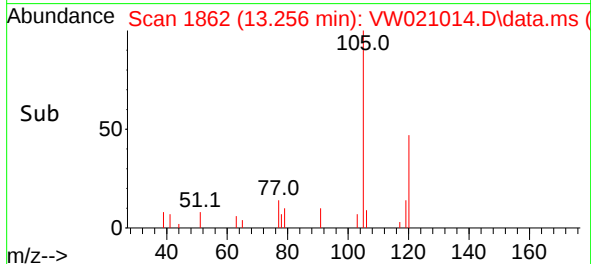
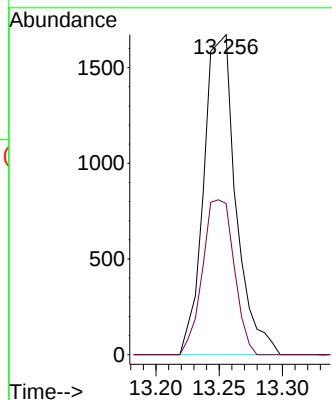
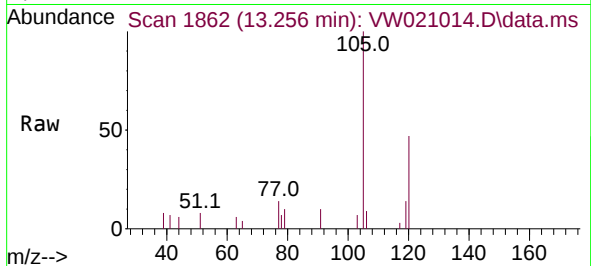




#63
1,2,4-Trimethylbenzene
Concen: 11.863 ug/L
RT: 13.256 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:105 Resp: 2960
Ion Ratio Lower Upper
105 100
120 47.5 35.0 52.6



#71
Naphthalene
Concen: 5.438 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.006 min
Lab File: VW021014.D
Acq: 02 Dec 2021 01:04

Tgt Ion:128 Resp: 807
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 12.8#

