

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051022\
 Data File : VW022955.D
 Acq On : 10 May 2022 14:42
 Operator : SY/VA
 Sample : N2746-06
 Misc : 5.61g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBSL2

Quant Time: May 11 01:22:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 11 01:19:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	3745	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	2300	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	114	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.367	65	1422	18.507	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.040%
7) Chloroethane-d5	2.904	69	1213	24.266	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.080%
11) 1,1-Dichloroethene-d2	4.007	63	329	3.314	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	13.240%#
21) 2-Butanone-d5	7.074	46	58	3.970	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	7.940%#
24) Chloroform-d	7.647	84	1516	13.817	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	55.280%
26) 1,2-Dichloroethane-d4	8.305	65	526	8.741	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	34.960%#
32) Benzene-d6	8.281	84	4555	34.359	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	137.440%#
36) 1,2-Dichloropropane-d6	9.274	67	580	15.575	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	62.280%#
41) Toluene-d8	10.323	98	3091	24.136	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.560%
43) trans-1,3-Dichloroprop...	10.567	79	43	2.508	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	10.040%#
47) 2-Hexanone-d5	10.939	63	45	6.330	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	12.660%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	72	2.074	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	8.280%#
66) 1,2-Dichlorobenzene-d4	13.853	152	268	67.251	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	269.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.038	85	52	2.547	ug/L #	40
8) Chloroethane	2.928	64	80	2.095	ug/L #	41
9) Trichlorofluoromethane	3.026	101	105	2.902	ug/L #	73
13) Acetone	4.068	43	92	8.412	ug/L	50
15) Methyl Acetate	4.665	43	96	4.369	ug/L #	47
18) Methyl tert-butyl Ether	5.415	73	53	0.643	ug/L #	1
20) cis-1,2-Dichloroethene	7.177	96	54	0.931	ug/L #	1
22) 2-Butanone	7.116	43	136	8.891	ug/L	74
27) 1,2-Dichloroethane	8.396	62	48	0.712	ug/L #	75
33) Benzene	8.323	78	218	1.609	ug/L	100
34) Trichloroethene	8.848	95	70	1.879	ug/L #	5
35) Methylcyclohexane	9.305	83	62	1.013	ug/L #	69
37) 1,2-Dichloropropane	9.402	63	82	2.501	ug/L #	85
38) Bromodichloromethane	9.671	83	79	1.696	ug/L #	94
39) cis-1,3-Dichloropropene	9.957	75	42	0.826	ug/L #	43
40) 4-Methyl-2-pentanone	10.213	43	46	2.226	ug/L #	1
45) 1,1,2-Trichloroethane	10.542	97	58	2.116	ug/L #	15
48) 2-Hexanone	10.969	43	77	5.576	ug/L #	1
49) Dibromochloromethane	11.128	129	40	1.212	ug/L #	11

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

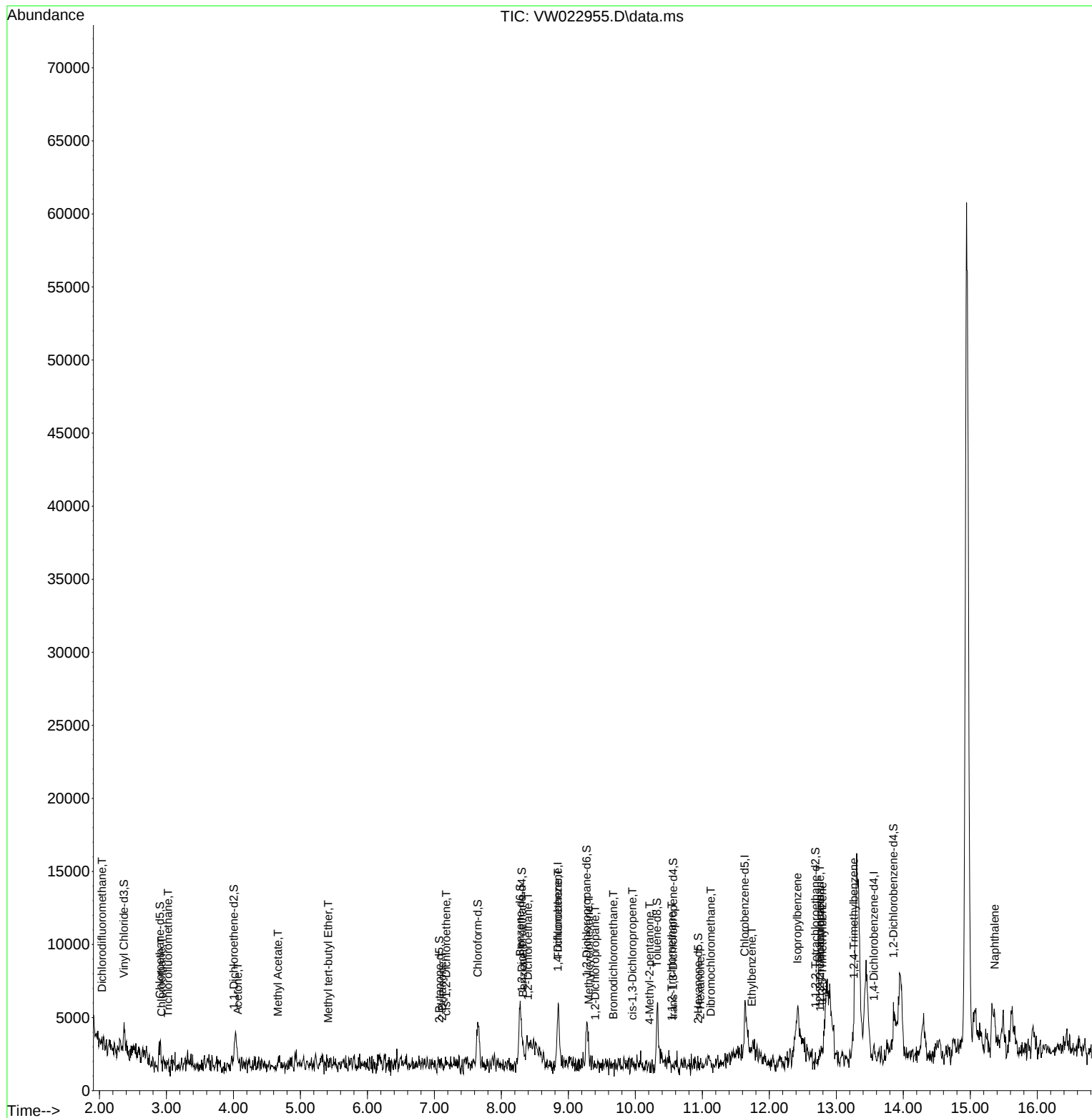
52) Ethylbenzene	11.737	91	120	0.710	ug/L #	43
57) 1,1,2,2-Tetrachloroethane	12.755	83	54	1.577	ug/L #	24
60) Isopropylbenzene	12.420	105	40	2.561	ug/L #	1
61) 1,2,3-Trichloropropane	12.762	75	116	50.926	ug/L #	43
62) 1,3,5-Trimethylbenzene	12.792	105	54	6.215	ug/L #	5
63) 1,2,4-Trimethylbenzene	13.261	105	60	4.599	ug/L #	13
71) Naphthalene	15.365	128	1484	183.386	ug/L #	87

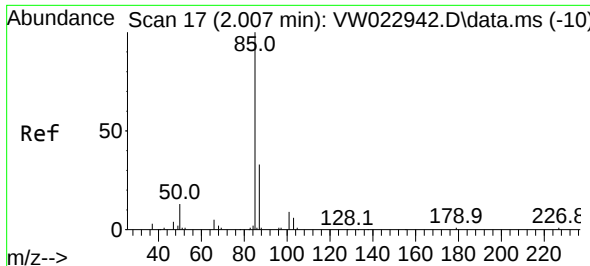
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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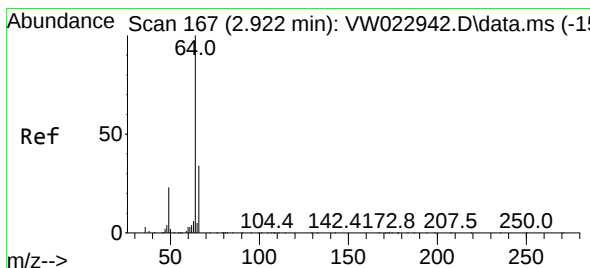
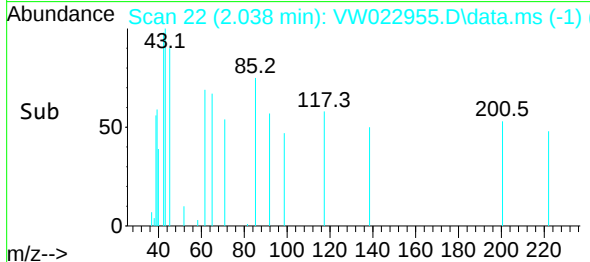
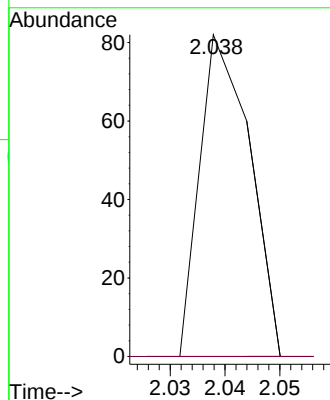
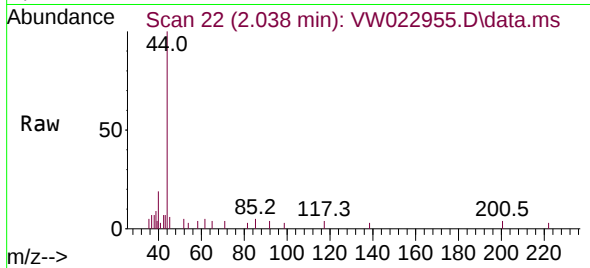




#2
Dichlorodifluoromethane
Concen: 2.547 ug/L
RT: 2.038 min Scan# 21
Delta R.T. 0.031 min
Lab File: VW022955.D
Acq: 10 May 2022 14:42

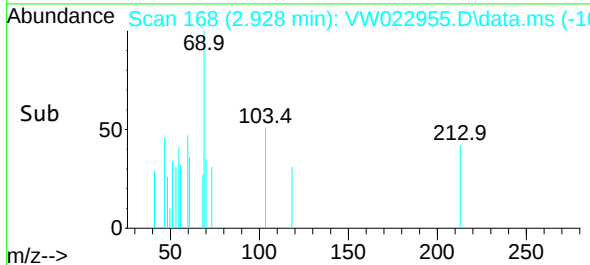
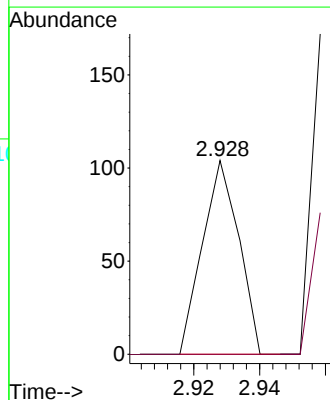
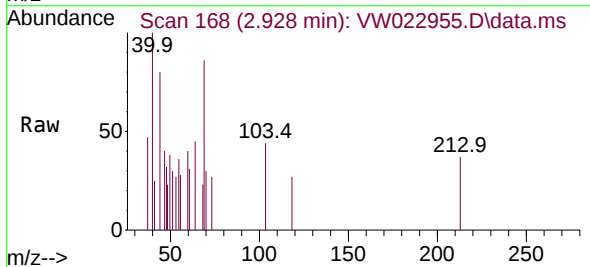
Instrument :
MSVOA_W
ClientSampleId :
DBSL2

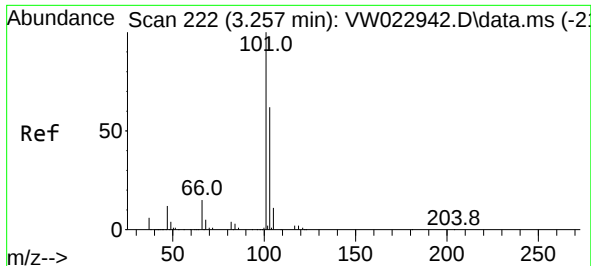
Tgt Ion: 85 Resp: 52
Ion Ratio Lower Upper
85 100
87 0.0 27.8 41.8#



#8
Chloroethane
Concen: 2.095 ug/L
RT: 2.928 min Scan# 168
Delta R.T. 0.006 min
Lab File: VW022955.D
Acq: 10 May 2022 14:42

Tgt Ion: 64 Resp: 80
Ion Ratio Lower Upper
64 100
66 0.0 23.4 43.6#

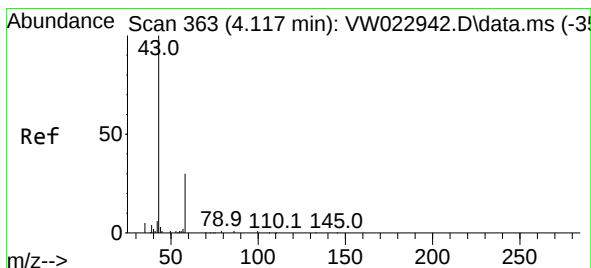
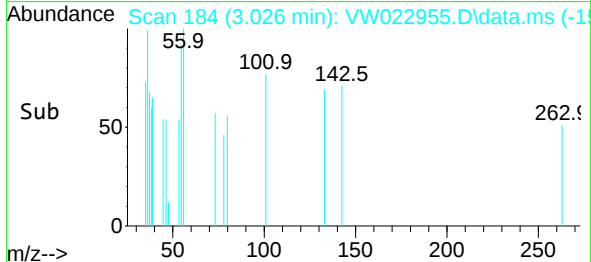
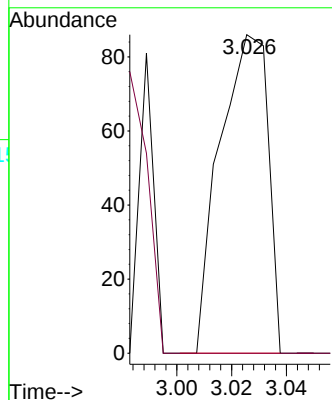
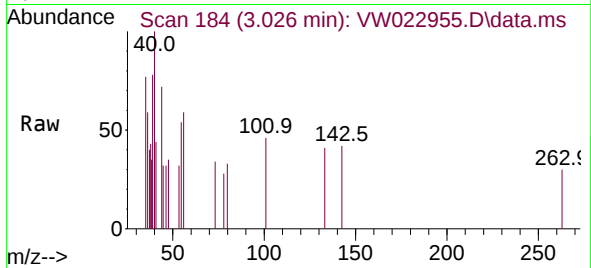




#9
 Trichlorofluoromethane
 Concen: 2.902 ug/L
 RT: 3.026 min Scan# 11
 Delta R.T. -0.232 min
 Lab File: VW022955.D
 Acq: 10 May 2022 14:42

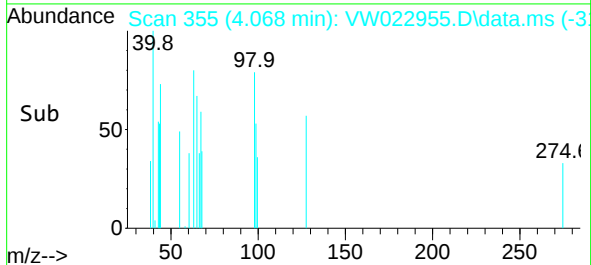
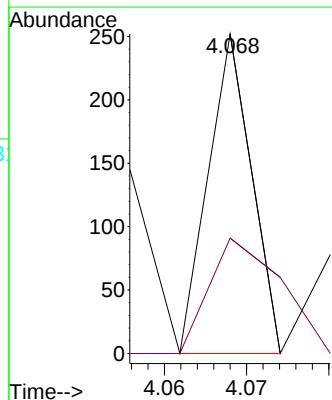
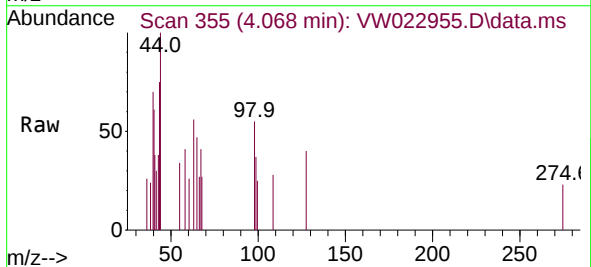
Instrument :
 MSVOA_W
 ClientSampleId :
 DBSL2

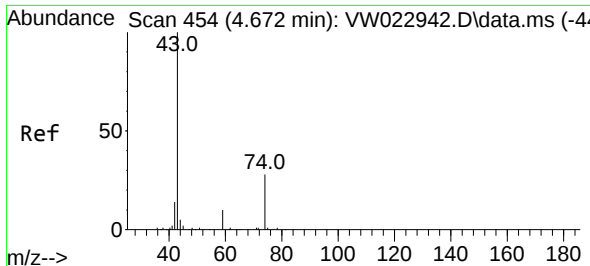
Tgt Ion:101 Resp: 105
 Ion Ratio Lower Upper
 101 100
 103 45.7 53.9 80.9#



#13
 Acetone
 Concen: 8.412 ug/L
 RT: 4.068 min Scan# 355
 Delta R.T. -0.049 min
 Lab File: VW022955.D
 Acq: 10 May 2022 14:42

Tgt Ion: 43 Resp: 92
 Ion Ratio Lower Upper
 43 100
 58 59.8 0.0 64.0





#15

Methyl Acetate

Concen: 4.369 ug/L

RT: 4.665 min Scan# 4

Delta R.T. -0.006 min

Lab File: VW022955.D

Acq: 10 May 2022 14:42

Instrument :

MSVOA_W

ClientSampleId :

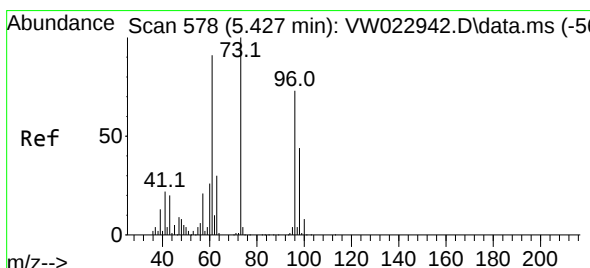
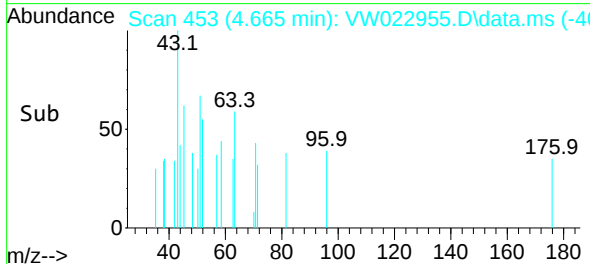
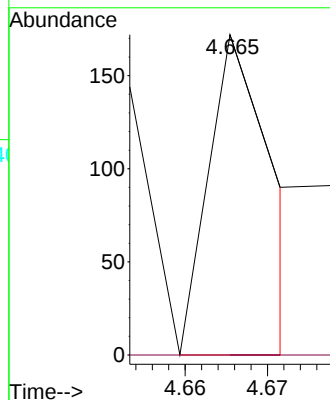
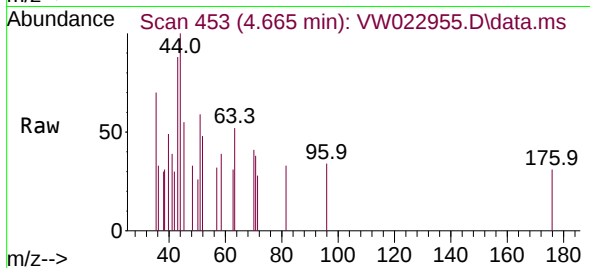
DBSL2

Tgt Ion: 43 Resp: 96

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#18

Methyl tert-butyl Ether

Concen: 0.643 ug/L

RT: 5.415 min Scan# 576

Delta R.T. -0.012 min

Lab File: VW022955.D

Acq: 10 May 2022 14:42

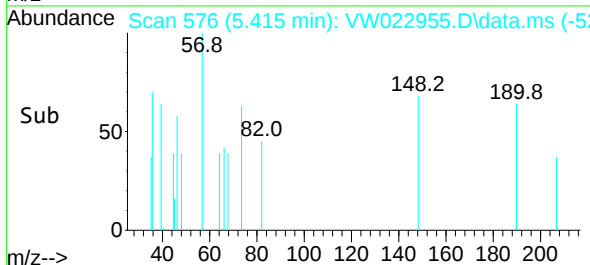
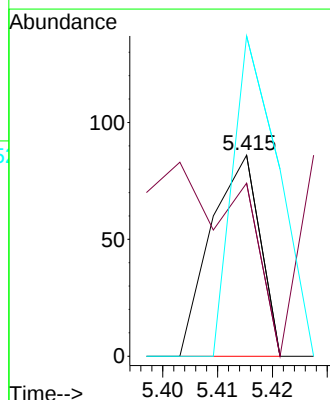
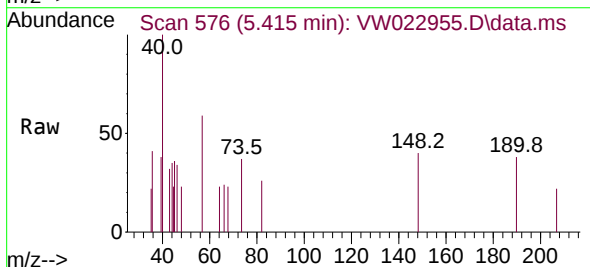
Tgt Ion: 73 Resp: 53

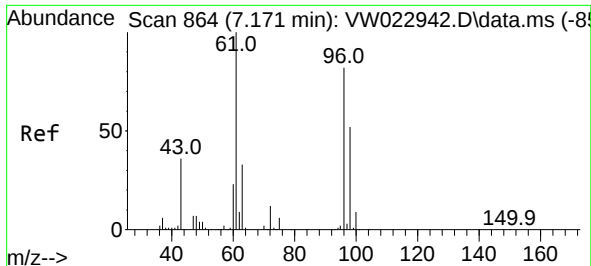
Ion Ratio Lower Upper

73 100

43 237.7 15.9 23.9#

57 149.1 16.5 24.7#

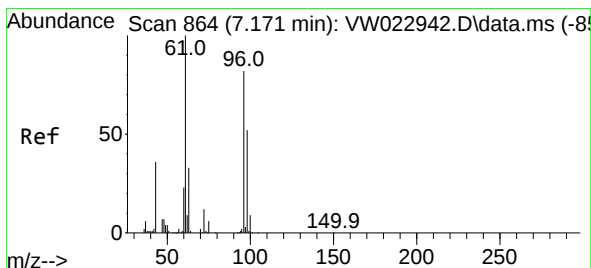
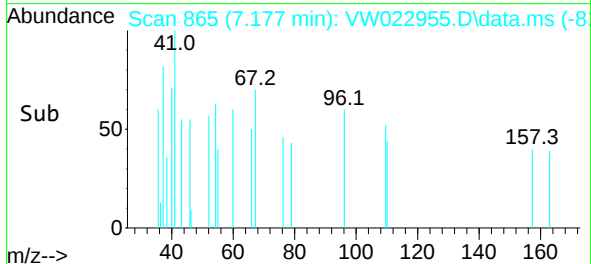
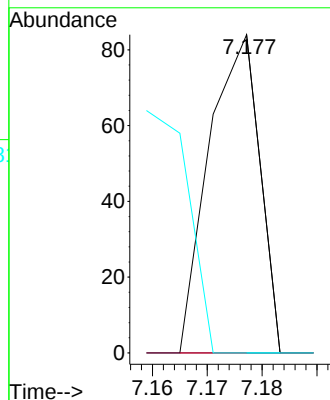
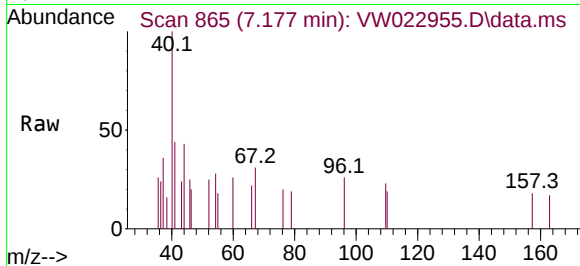




#20
 cis-1,2-Dichloroethene
 Concen: 0.931 ug/L
 RT: 7.177 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VW022955.D
 Acq: 10 May 2022 14:42

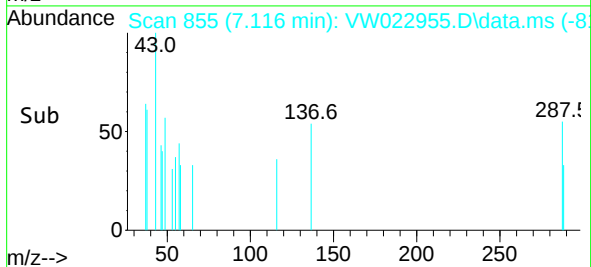
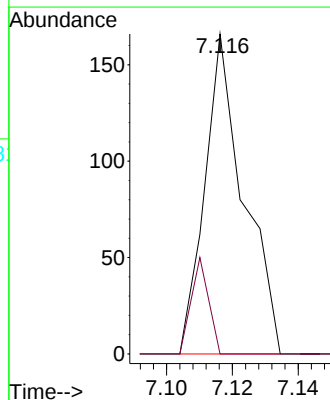
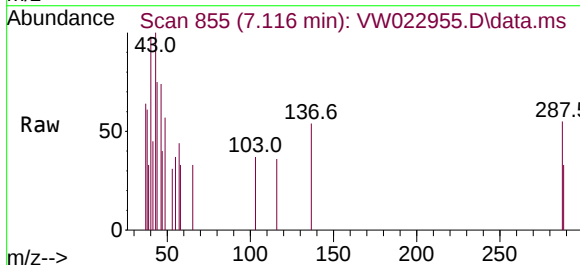
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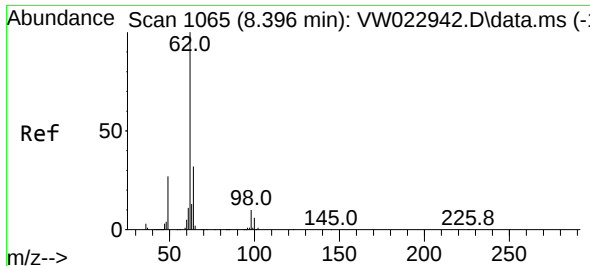
Tgt Ion: 96 Resp: 54
 Ion Ratio Lower Upper
 96 100
 61 0.0 84.2 156.4#
 68 0.0 0.1 0.1#



#22
 2-Butanone
 Concen: 8.891 ug/L
 RT: 7.116 min Scan# 855
 Delta R.T. -0.055 min
 Lab File: VW022955.D
 Acq: 10 May 2022 14:42

Tgt Ion: 43 Resp: 136
 Ion Ratio Lower Upper
 43 100
 72 44.1 15.1 45.3





#27

1,2-Dichloroethane

Concen: 0.712 ug/L

RT: 8.396 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VW022955.D

Acq: 10 May 2022 14:42

Instrument :

MSVOA_W

ClientSampleId :

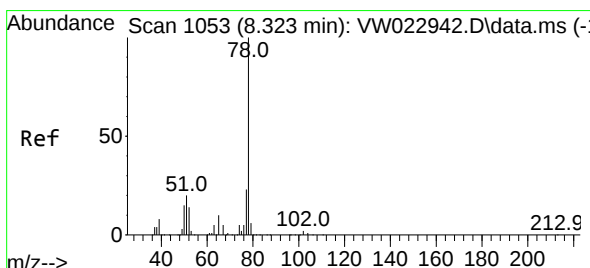
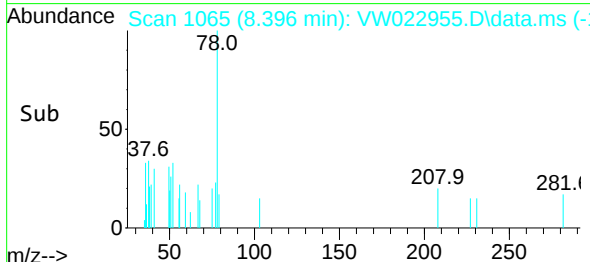
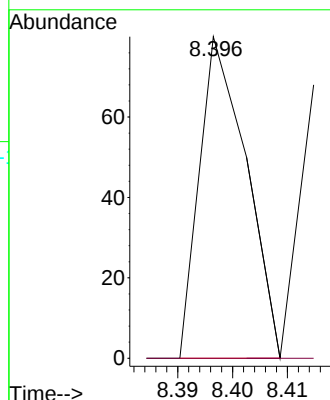
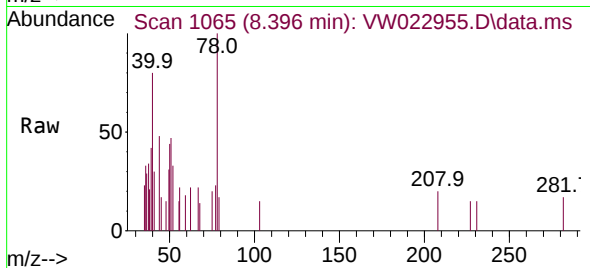
DBSL2

Tgt Ion: 62 Resp: 48

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#33

Benzene

Concen: 1.609 ug/L

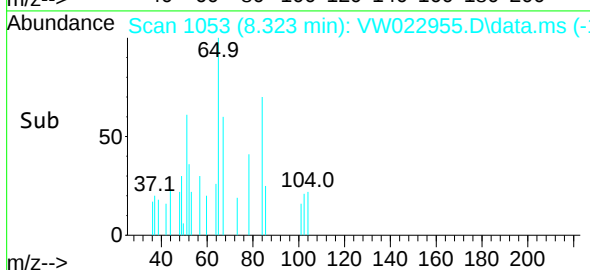
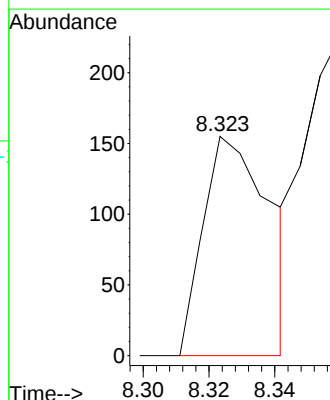
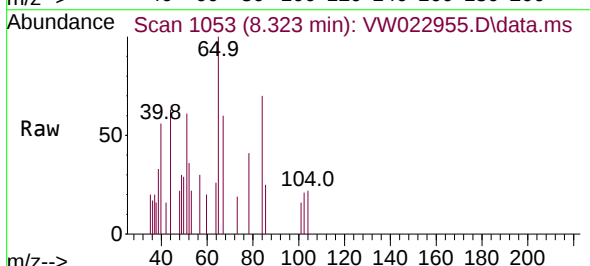
RT: 8.323 min Scan# 1053

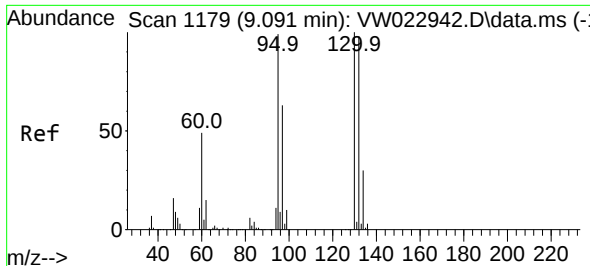
Delta R.T. 0.000 min

Lab File: VW022955.D

Acq: 10 May 2022 14:42

Tgt Ion: 78 Resp: 218

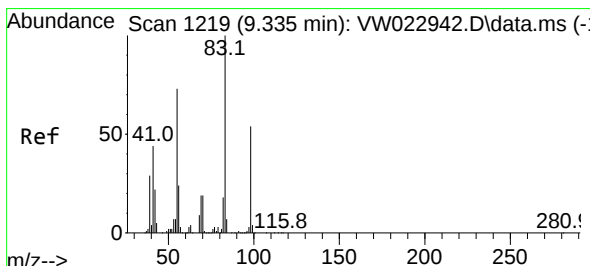
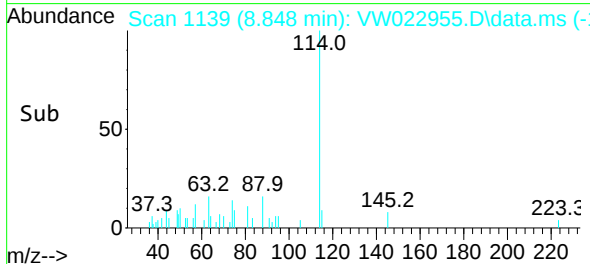
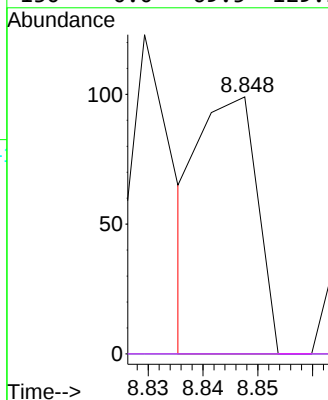
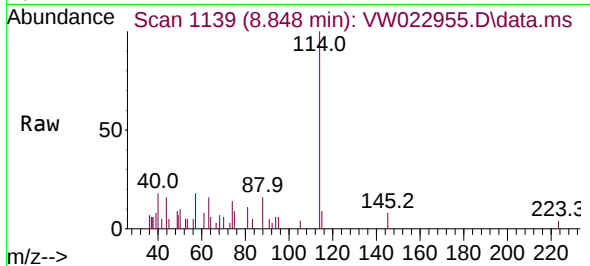




#34
Trichloroethene
Concen: 1.879 ug/L
RT: 8.848 min Scan# 1179
Delta R.T. -0.244 min
Lab File: VW022955.D
Acq: 10 May 2022 14:42

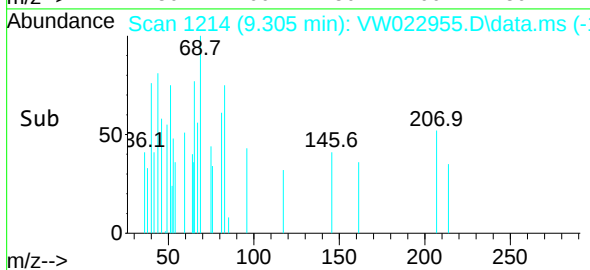
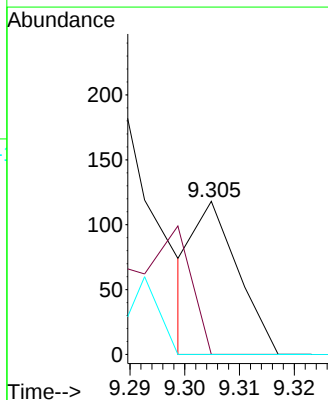
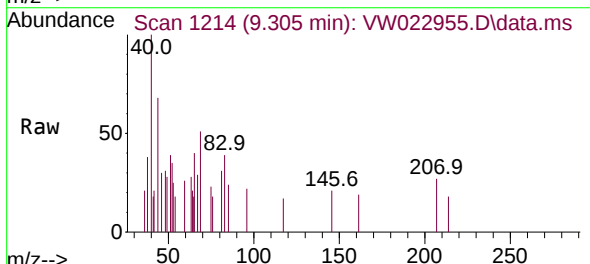
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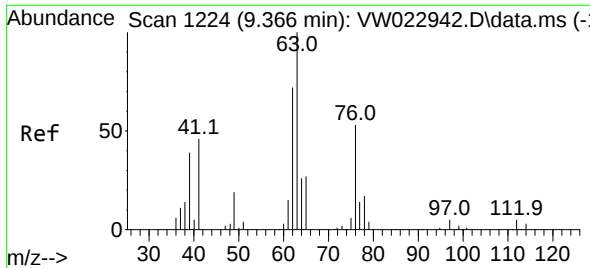
Tgt Ion:	95	Resp:	70
Ion	Ratio	Lower	Upper
95	100		
97	0.0	46.1	85.7#
132	0.0	66.9	124.3#
130	0.0	69.5	129.1#



#35
Methylcyclohexane
Concen: 1.013 ug/L
RT: 9.305 min Scan# 1214
Delta R.T. -0.030 min
Lab File: VW022955.D
Acq: 10 May 2022 14:42

Tgt Ion:	83	Resp:	62
Ion	Ratio	Lower	Upper
83	100		
55	58.1	55.1	82.7
98	88.7	40.4	60.6#





#37

1,2-Dichloropropane

Concen: 2.501 ug/L

RT: 9.402 min Scan# 11

Delta R.T. 0.037 min

Lab File: VW022955.D

Acq: 10 May 2022 14:42

Instrument :

MSVOA_W

ClientSampleId :

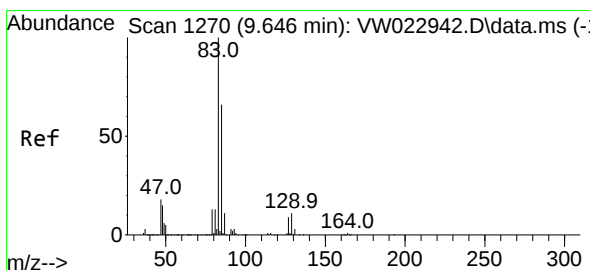
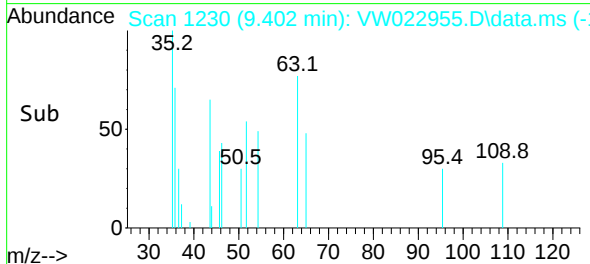
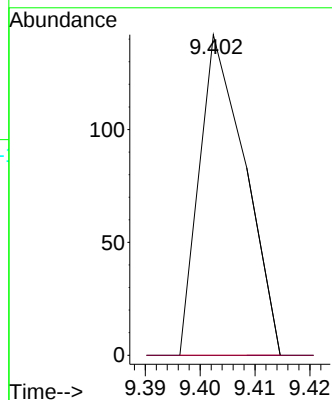
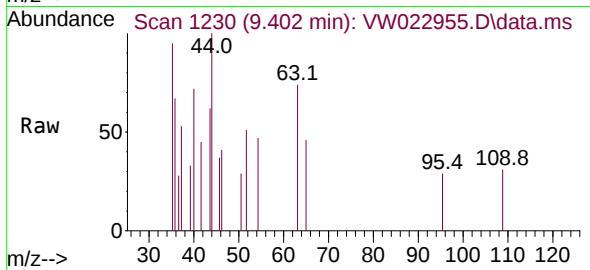
DBSL2

Tgt Ion: 63 Resp: 82

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#38

Bromodichloromethane

Concen: 1.696 ug/L

RT: 9.671 min Scan# 1274

Delta R.T. 0.024 min

Lab File: VW022955.D

Acq: 10 May 2022 14:42

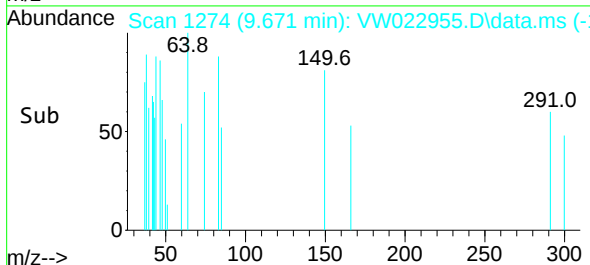
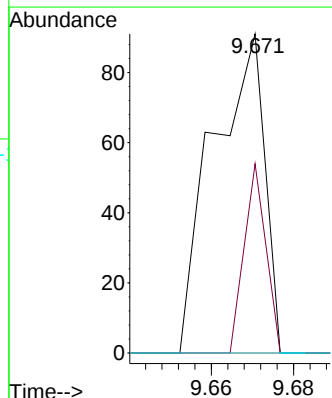
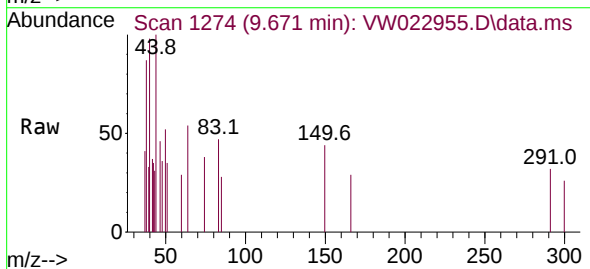
Tgt Ion: 83 Resp: 79

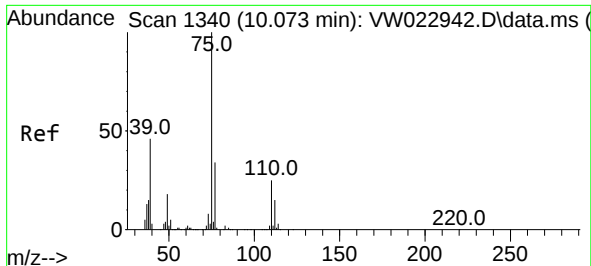
Ion Ratio Lower Upper

83 100

85 59.3 43.5 80.7

127 0.0 7.1 10.7#





#39

cis-1,3-Dichloropropene

Concen: 0.826 ug/L

RT: 9.957 min Scan# 1321

Delta R.T. -0.116 min

Lab File: VW022955.D

Acq: 10 May 2022 14:42

Instrument :

MSVOA_W

ClientSampleId :

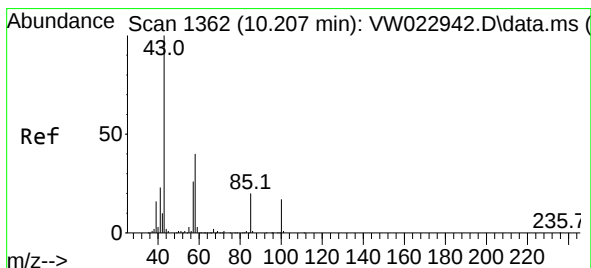
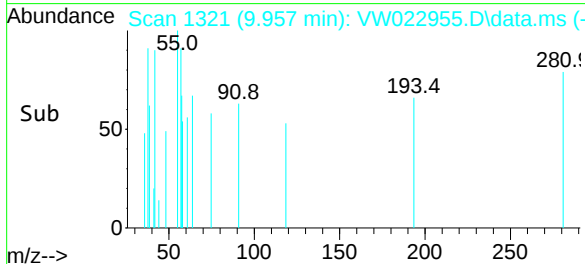
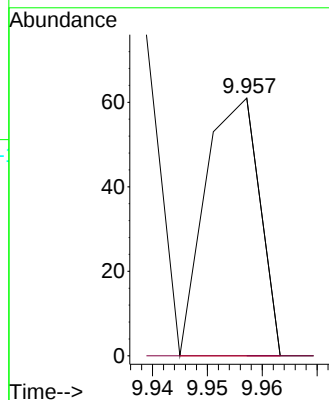
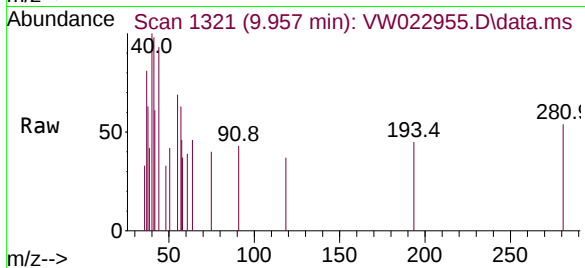
DBSL2

Tgt Ion: 75 Resp: 42

Ion Ratio Lower Upper

75 100

77 0.0 22.1 41.1#



#40

4-Methyl-2-pentanone

Concen: 2.226 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW022955.D

Acq: 10 May 2022 14:42

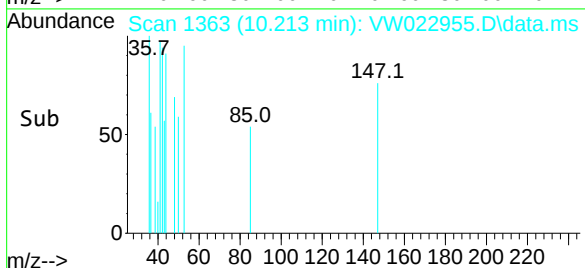
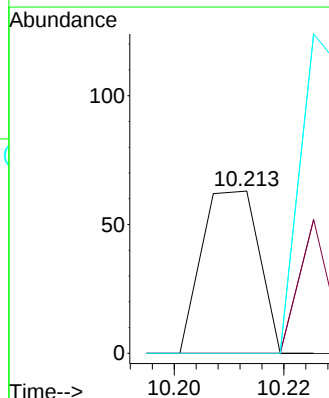
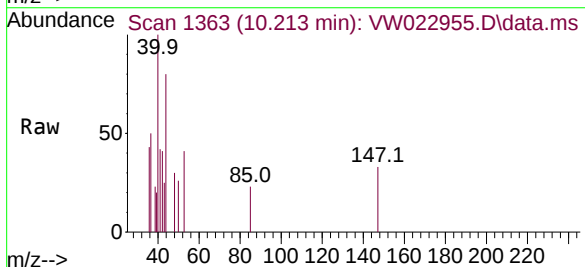
Tgt Ion: 43 Resp: 46

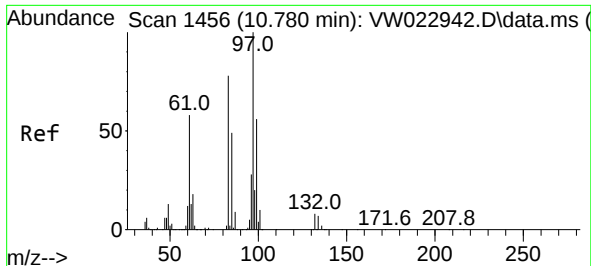
Ion Ratio Lower Upper

43 100

58 0.0 31.4 47.2#

100 187.0 14.2 21.4#

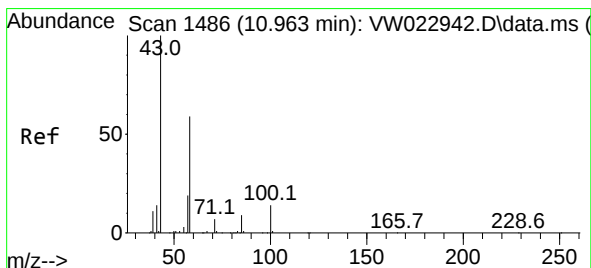
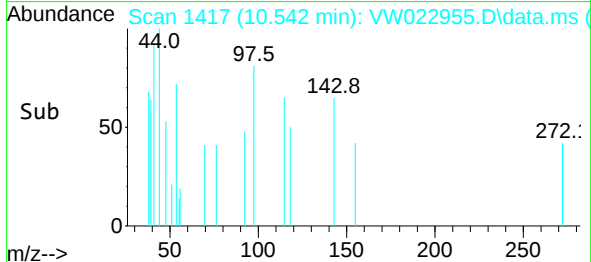
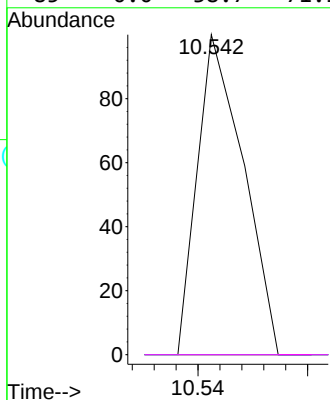
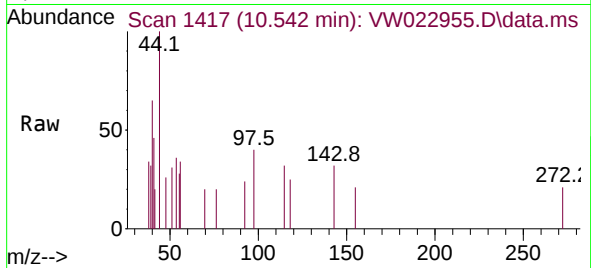




#45
1,1,2-Trichloroethane
Concen: 2.116 ug/L
RT: 10.542 min Scan# 1456
Delta R.T. -0.238 min
Lab File: VW022955.D
Acq: 10 May 2022 14:42

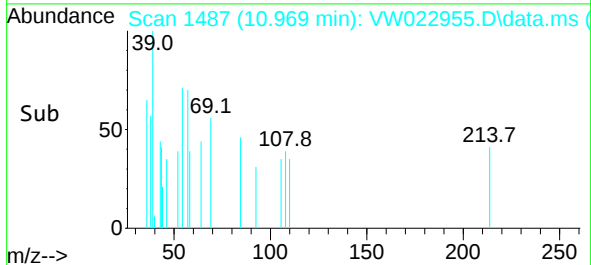
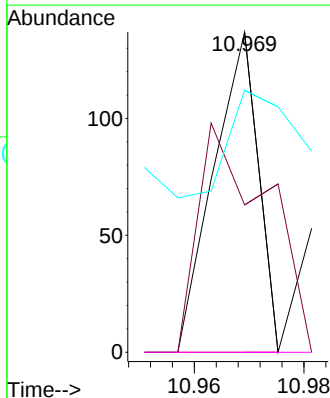
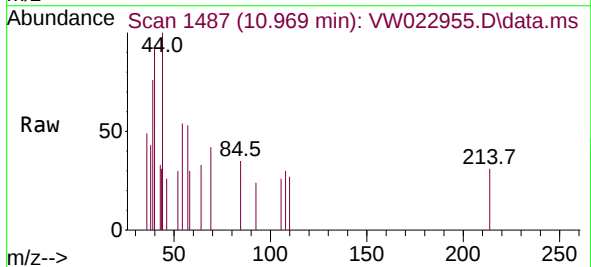
Instrument :
MSVOA_W
ClientSampleId :
DBSL2

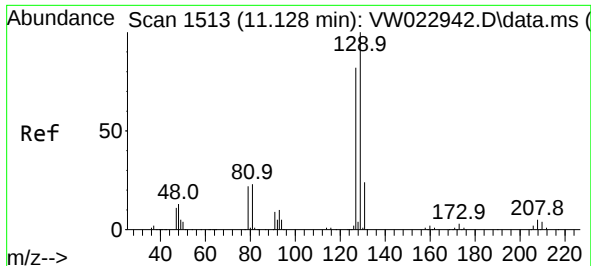
Tgt Ion:	97	Resp:	58
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.7	82.9#
83	0.0	58.4	108.4#
85	0.0	38.7	71.9#



#48
2-Hexanone
Concen: 5.576 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VW022955.D
Acq: 10 May 2022 14:42

Tgt Ion:	43	Resp:	77
Ion	Ratio	Lower	Upper
43	100		
58	110.4	45.9	68.9#
57	176.6	16.2	24.2#
100	0.0	10.7	16.1#





#49

Dibromochloromethane

Concen: 1.212 ug/L

RT: 11.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022955.D

Acq: 10 May 2022 14:42

Instrument :

MSVOA_W

ClientSampleId :

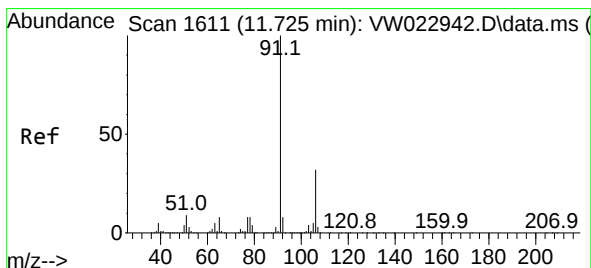
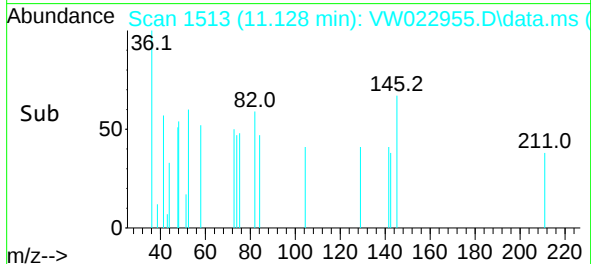
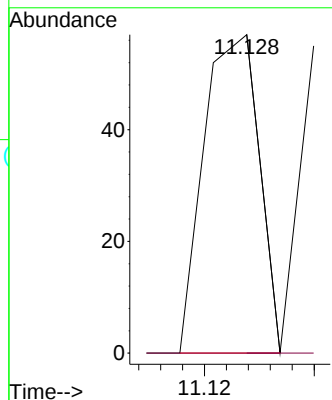
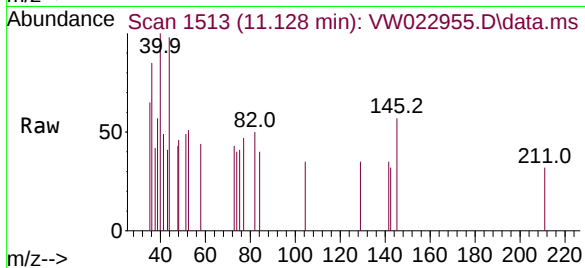
DBSL2

Tgt Ion:129 Resp: 40

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#52

Ethylbenzene

Concen: 0.710 ug/L

RT: 11.737 min Scan# 1613

Delta R.T. 0.012 min

Lab File: VW022955.D

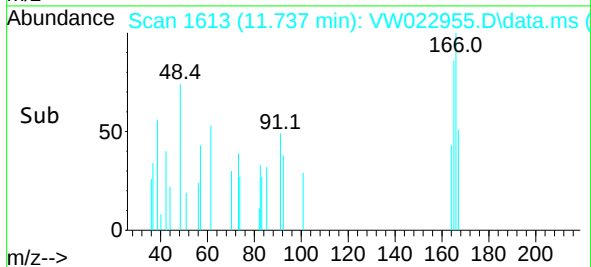
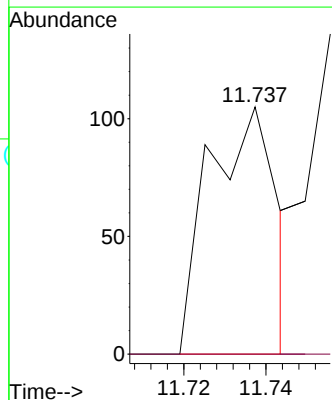
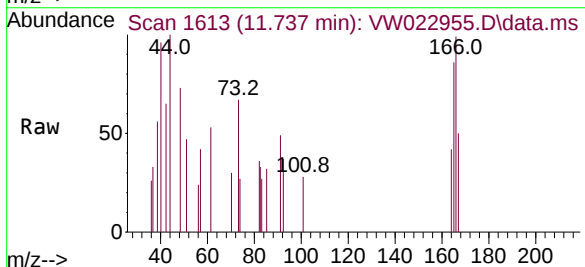
Acq: 10 May 2022 14:42

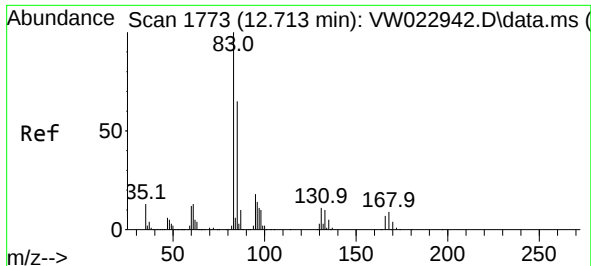
Tgt Ion: 91 Resp: 120

Ion Ratio Lower Upper

91 100

106 0.0 22.3 41.3#





#57

1,1,2-Tetrachloroethane

Concen: 1.577 ug/L

RT: 12.755 min Scan# 1

Delta R.T. 0.043 min

Lab File: VW022955.D

Acq: 10 May 2022 14:42

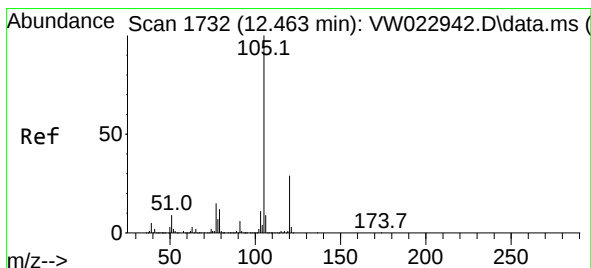
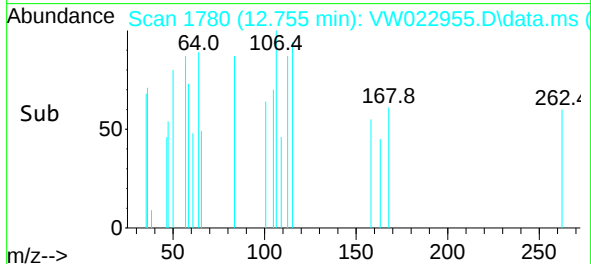
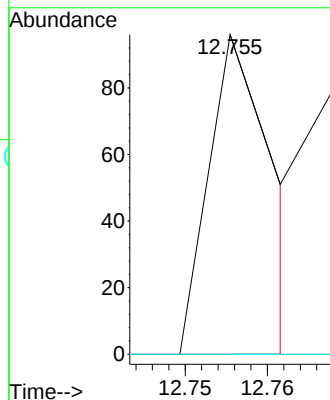
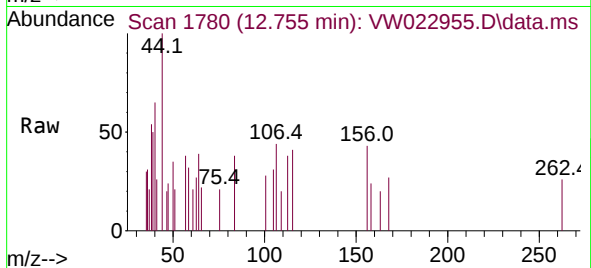
Instrument :

MSVOA_W

ClientSampleId :

DBSL2

Tgt Ion: 83	Resp:	54
Ion Ratio	Lower	Upper
83	100	
85	0.0	47.5 88.1#
131	0.0	8.7 13.1#



#60

Isopropylbenzene

Concen: 2.561 ug/L

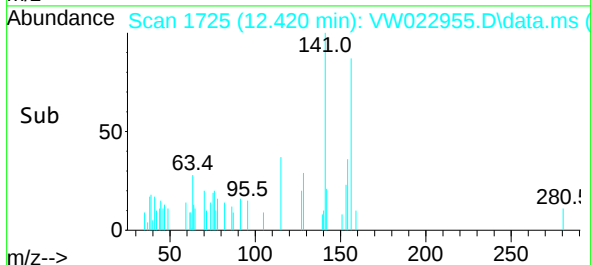
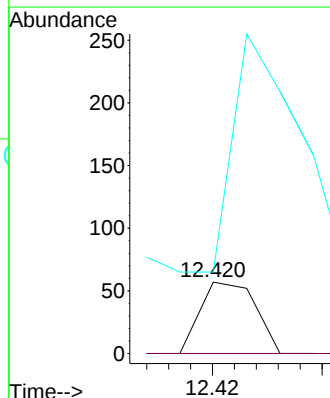
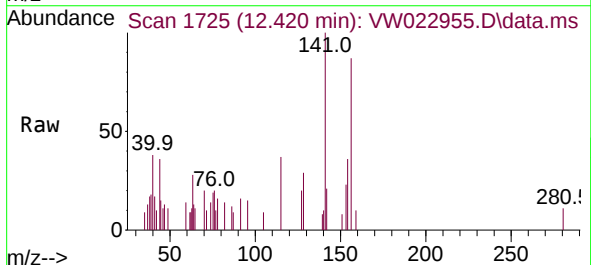
RT: 12.420 min Scan# 1725

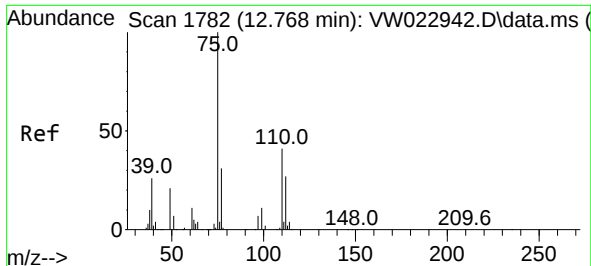
Delta R.T. -0.043 min

Lab File: VW022955.D

Acq: 10 May 2022 14:42

Tgt Ion: 105	Resp:	40
Ion Ratio	Lower	Upper
105	100	
120	0.0	21.3 31.9#
77	632.5	12.6 19.0#

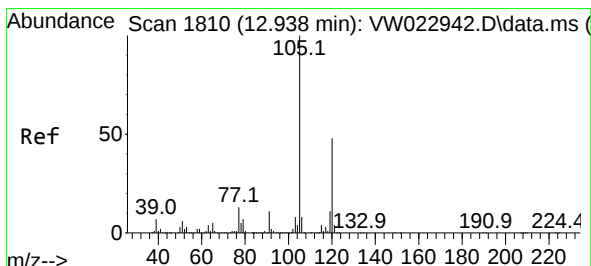
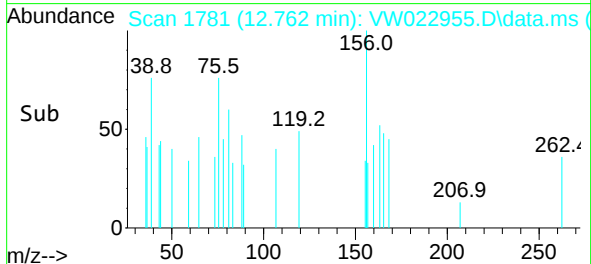
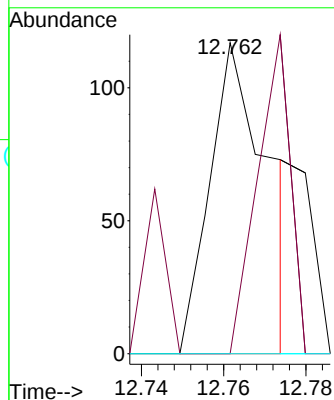
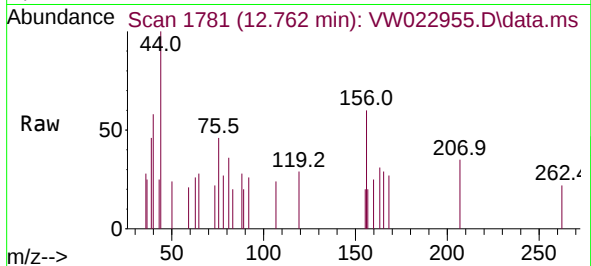




#61
1,2,3-Trichloropropane
Concen: 50.926 ug/L
RT: 12.762 min Scan# 116
Delta R.T. -0.006 min
Lab File: VW022955.D
Acq: 10 May 2022 14:42

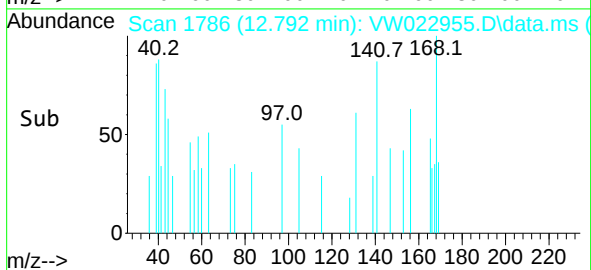
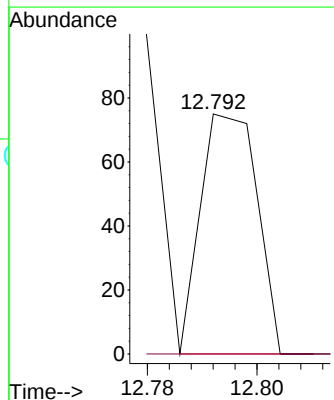
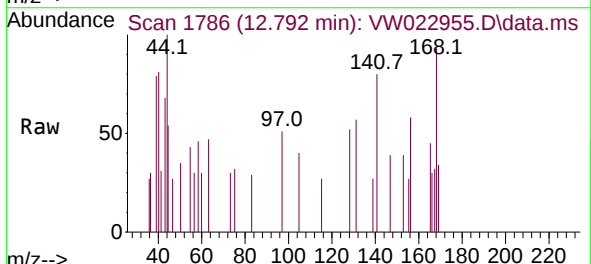
Instrument :
MSVOA_W
ClientSampleId :
DBSL2

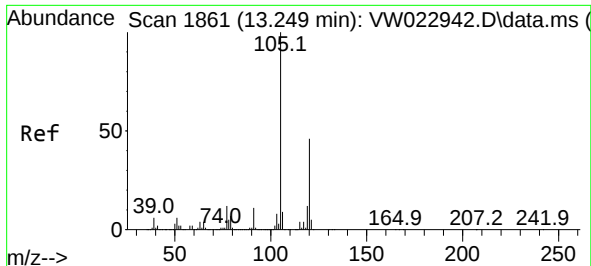
Tgt Ion: 75 Resp: 116
Ion Ratio Lower Upper
75 100
77 56.9 26.2 39.2#
110 0.0 34.1 51.1#



#62
1,3,5-Trimethylbenzene
Concen: 6.215 ug/L
RT: 12.792 min Scan# 1786
Delta R.T. -0.146 min
Lab File: VW022955.D
Acq: 10 May 2022 14:42

Tgt Ion: 105 Resp: 54
Ion Ratio Lower Upper
105 100
120 113.0 38.9 58.3#

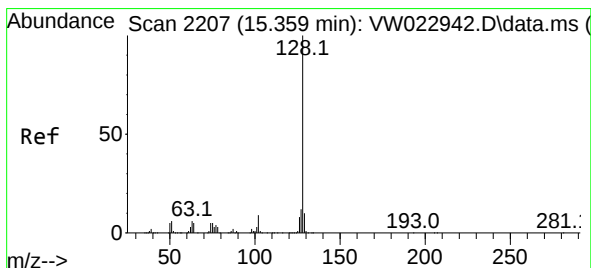
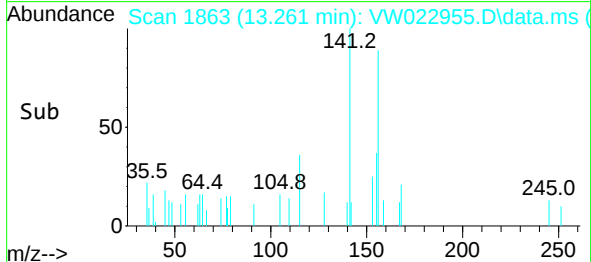
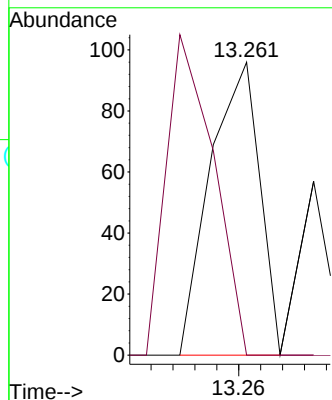
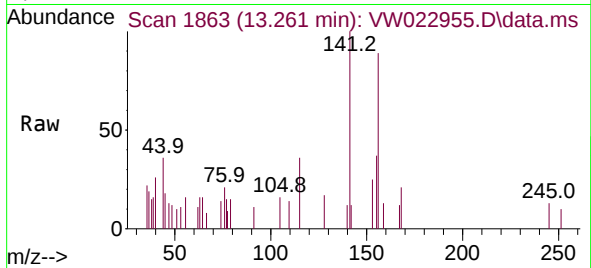




#63
1,2,4-Trimethylbenzene
Concen: 4.599 ug/L
RT: 13.261 min Scan# 11
Delta R.T. 0.012 min
Lab File: VW022955.D
Acq: 10 May 2022 14:42

Instrument :
MSVOA_W
ClientSampleId :
DBSL2

Tgt Ion:105 Resp: 60
Ion Ratio Lower Upper
105 100
120 105.0 37.4 56.2#



#71
Naphthalene
Concen: 183.386 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.006 min
Lab File: VW022955.D
Acq: 10 May 2022 14:42

Tgt Ion:128 Resp: 1484
Ion Ratio Lower Upper
128 100
127 10.4 10.6 16.0#
129 3.5 8.7 13.1#

