

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071822\
 Data File : VW023832.D
 Acq On : 18 Jul 2022 11:12
 Operator : SY/VA
 Sample : N3721-02
 Misc : 6.58g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F5C22

Quant Time: Jul 19 01:06:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jul 19 01:05:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	10649	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	14552	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	5962	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	3191	11.732	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	46.920%
7) Chloroethane-d5	3.013	69	314	1.731	ug/L	0.14
Spiked Amount	25.000	Range	30 - 150	Recovery	=	6.920%#
11) 1,1-Dichloroethene-d2	4.007	63	1096	4.949	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	19.800%#
21) 2-Butanone-d5	6.958	46	178	4.219	ug/L	-0.12
Spiked Amount	50.000	Range	20 - 135	Recovery	=	8.440%#
24) Chloroform-d	7.647	84	9148	29.506	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	118.040%
26) 1,2-Dichloroethane-d4	8.073	65	181	0.955	ug/L	-0.23
Spiked Amount	25.000	Range	70 - 130	Recovery	=	3.800%#
32) Benzene-d6	8.275	84	11373	15.035	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	60.120%
36) 1,2-Dichloropropane-d6	9.274	67	7798	34.223	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	136.880%#
41) Toluene-d8	10.317	98	9372	12.214	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	48.840%
43) trans-1,3-Dichloroprop...	10.579	79	2259	21.150	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.600%
47) 2-Hexanone-d5	10.927	63	4832	100.847	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	201.700%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	14180	56.312	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	225.240%#
66) 1,2-Dichlorobenzene-d4	13.853	152	6284	29.526	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	118.120%
Target Compounds						
					Qvalue	
13) Acetone	4.123	43	4905	164.447	ug/L	72
14) Carbon disulfide	4.355	76	663	1.997	ug/L #	84
15) Methyl Acetate	4.684	43	495	7.415	ug/L	96
16) Methylene chloride	4.903	84	1011	6.071	ug/L #	74
17) trans-1,2-Dichloroethene	5.434	96	110	0.803	ug/L #	41
18) Methyl tert-butyl Ether	5.415	73	167	0.788	ug/L #	1
19) 1,1-Dichloroethane	6.214	63	165	0.653	ug/L #	21
20) cis-1,2-Dichloroethene	7.171	96	124	0.817	ug/L #	75
22) 2-Butanone	7.189	43	347	7.079	ug/L	94
23) Bromochloromethane	7.348	128	72	0.988	ug/L #	56
29) Cyclohexane	7.988	56	245	0.921	ug/L #	26
33) Benzene	8.342	78	553	0.669	ug/L	100
45) 1,1,2-Trichloroethane	10.872	97	90	0.496	ug/L #	58
48) 2-Hexanone	10.963	43	243	2.313	ug/L #	73
63) 1,2,4-Trimethylbenzene	13.249	105	362	0.552	ug/L	98
65) 1,4-Dichlorobenzene	13.579	146	358	0.925	ug/L #	57
67) 1,2-Dichlorobenzene	13.865	146	278	0.811	ug/L #	78
69) 1,3,5-Trichlorobenzene	14.627	180	374	1.554	ug/L #	46
71) Naphthalene	15.359	128	383	0.961	ug/L #	91

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ClientSampleId :
F5C22

Quant Time: Jul 19 01:06:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Jul 19 01:05:58 2022
Response via : Initial Calibration

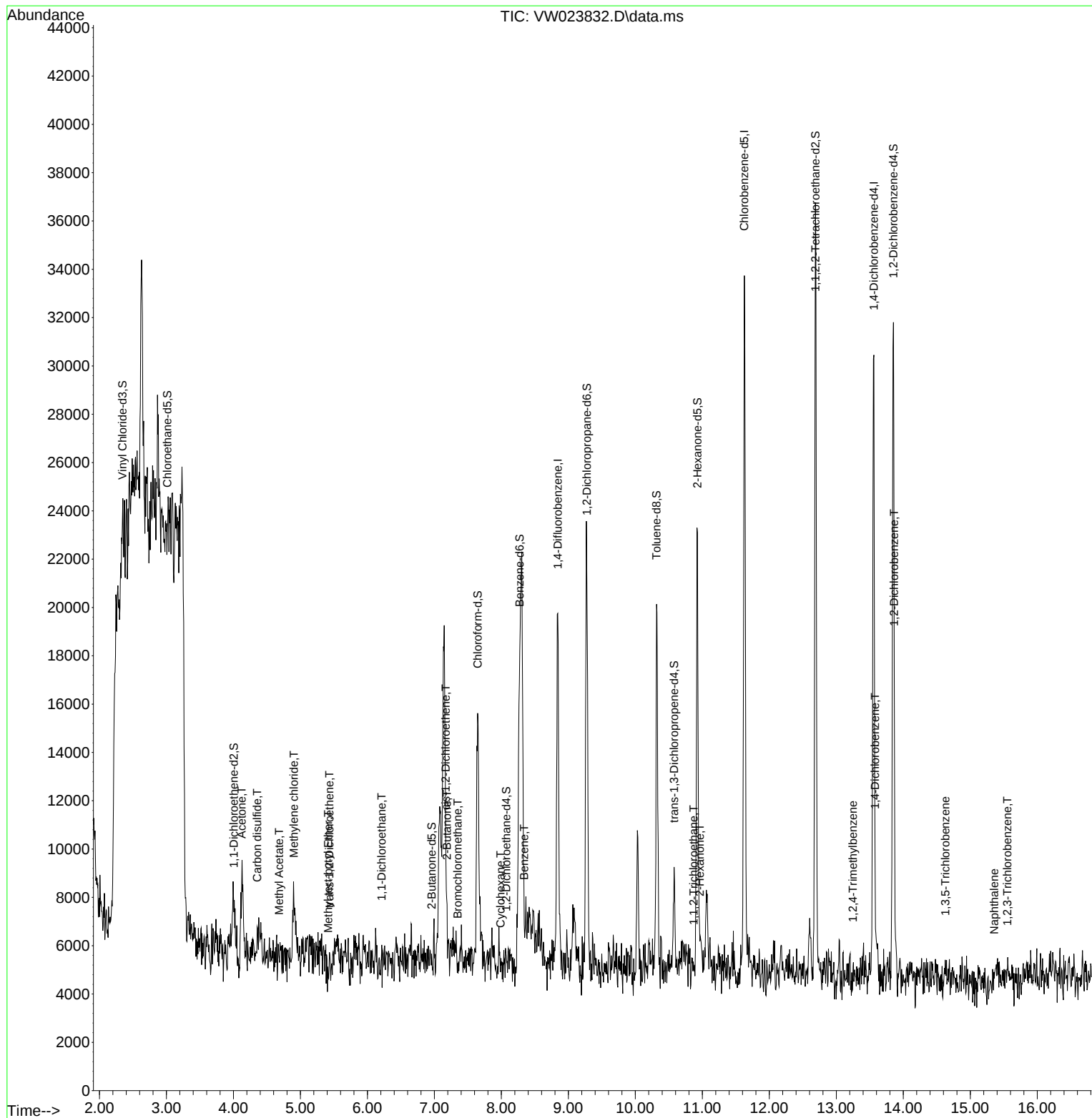
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	15.554	180	298	1.720	ug/L	# 32

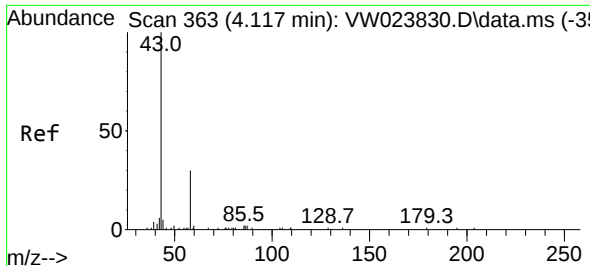
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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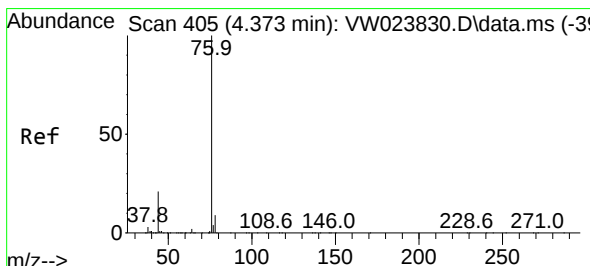
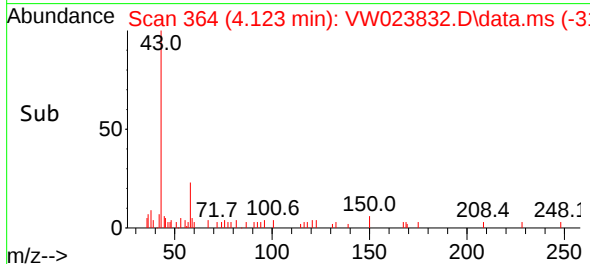
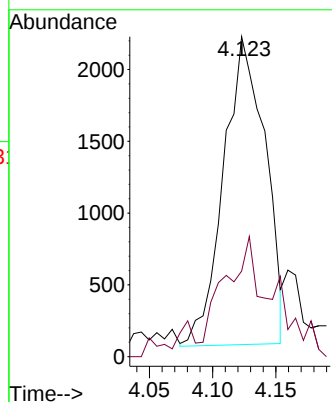
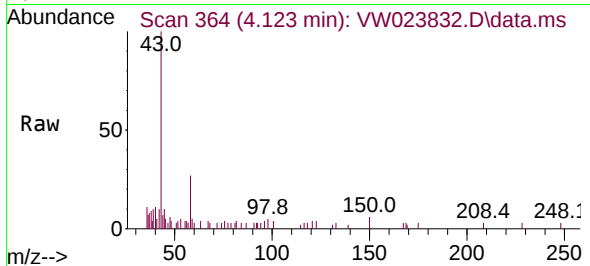




#13
Acetone
Concen: 164.447 ug/L
RT: 4.123 min Scan# 30
Delta R.T. 0.006 min
Lab File: VW023832.D
Acq: 18 Jul 2022 11:12

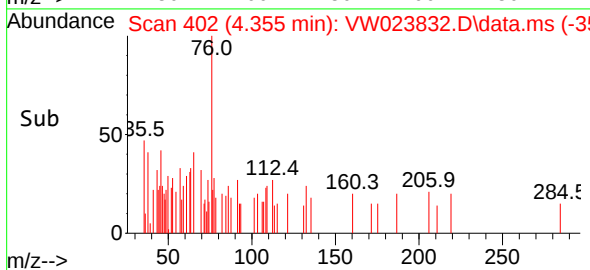
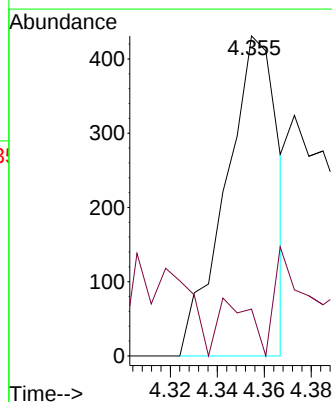
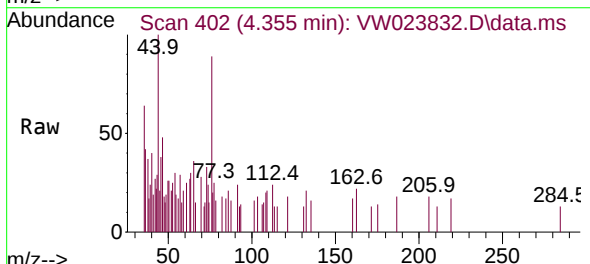
Instrument :
MSVOA_W
ClientSampleId :
F5C22

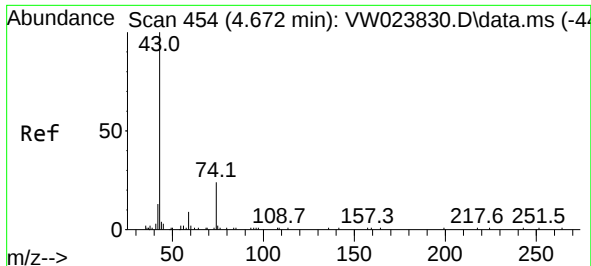
Tgt Ion: 43 Resp: 4905
Ion Ratio Lower Upper
43 100
58 16.4 0.0 64.2



#14
Carbon disulfide
Concen: 1.997 ug/L
RT: 4.355 min Scan# 402
Delta R.T. -0.018 min
Lab File: VW023832.D
Acq: 18 Jul 2022 11:12

Tgt Ion: 76 Resp: 663
Ion Ratio Lower Upper
76 100
78 14.6 7.2 10.8#

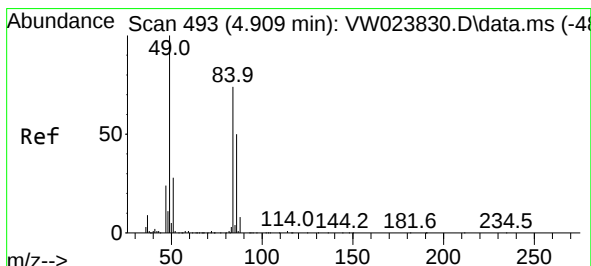
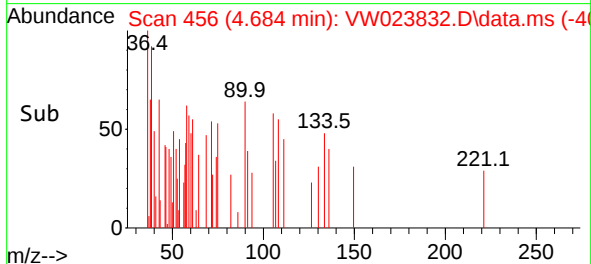
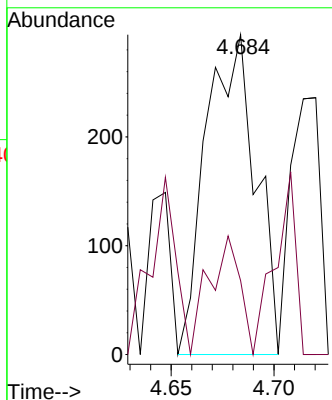
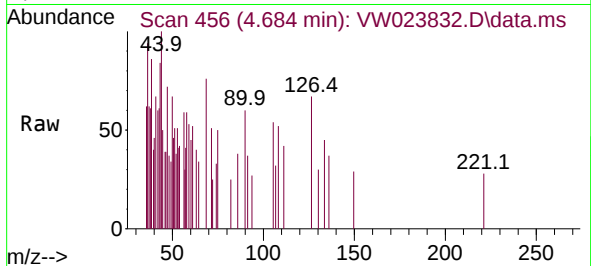




#15
Methyl Acetate
Concen: 7.415 ug/L
RT: 4.684 min Scan# 41
Delta R.T. 0.012 min
Lab File: VW023832.D
Acq: 18 Jul 2022 11:12

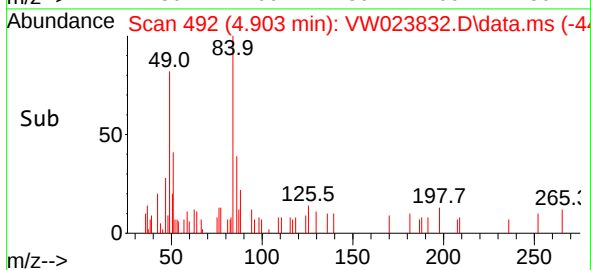
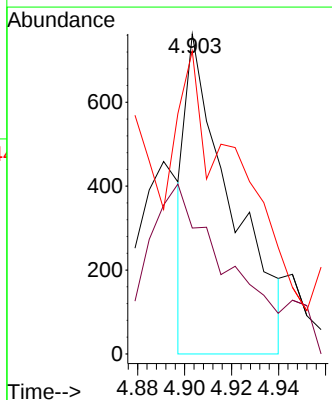
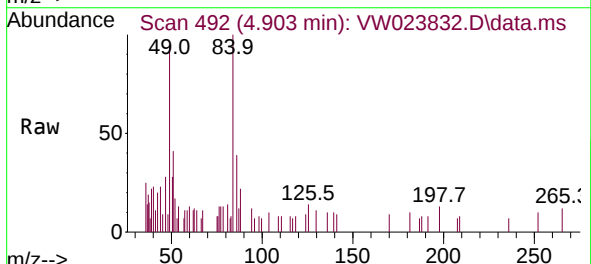
Instrument :
MSVOA_W
ClientSampleId :
F5C22

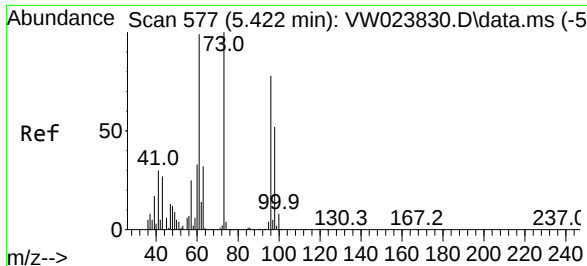
Tgt Ion: 43 Resp: 495
Ion Ratio Lower Upper
43 100
74 23.2 20.0 30.0



#16
Methylene chloride
Concen: 6.071 ug/L
RT: 4.903 min Scan# 492
Delta R.T. -0.006 min
Lab File: VW023832.D
Acq: 18 Jul 2022 11:12

Tgt Ion: 84 Resp: 1011
Ion Ratio Lower Upper
84 100
86 39.3 42.8 79.6#
49 94.6 85.4 158.6

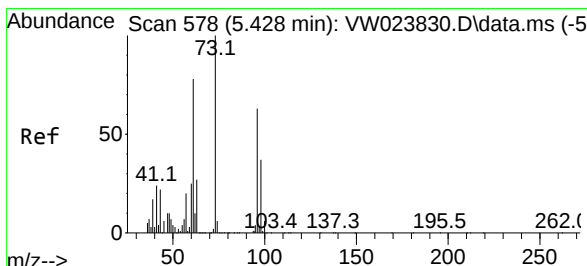
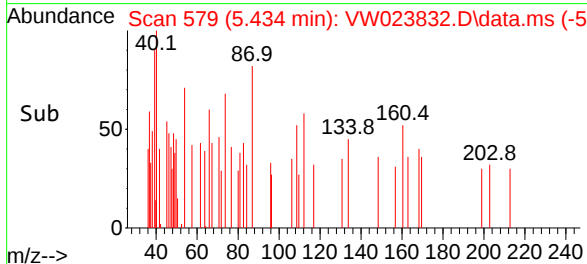
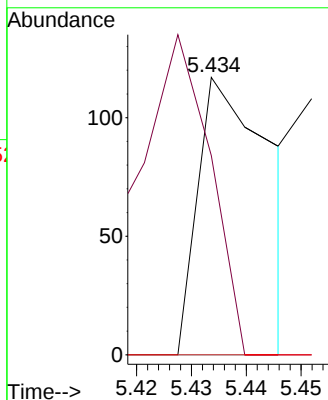
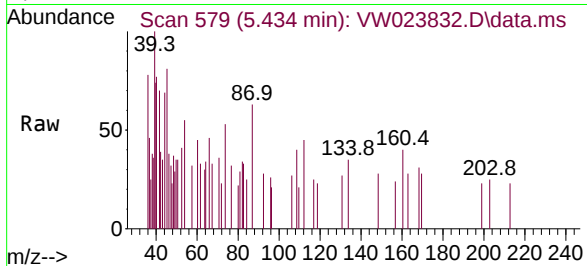




#17
trans-1,2-Dichloroethene
Concen: 0.803 ug/L
RT: 5.434 min Scan# 511
Delta R.T. 0.012 min
Lab File: VW023832.D
Acq: 18 Jul 2022 11:12

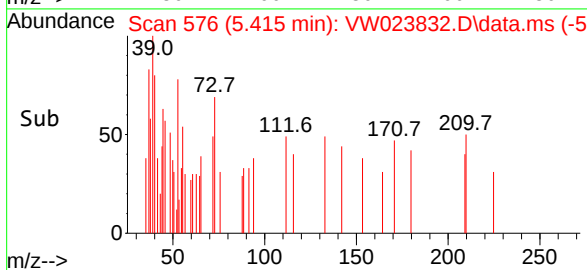
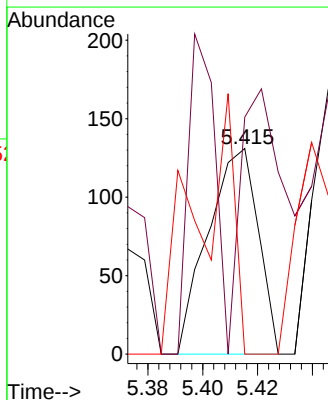
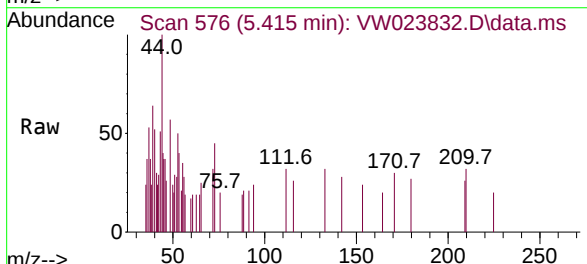
Instrument :
MSVOA_W
ClientSampleId :
F5C22

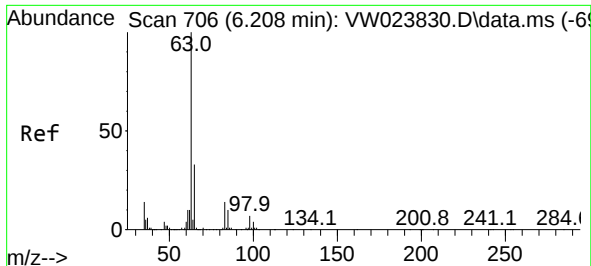
Tgt Ion: 96 Resp: 110
Ion Ratio Lower Upper
96 100
61 71.8 90.8 168.6#
98 0.0 42.8 79.6#



#18
Methyl tert-butyl Ether
Concen: 0.788 ug/L
RT: 5.415 min Scan# 576
Delta R.T. -0.012 min
Lab File: VW023832.D
Acq: 18 Jul 2022 11:12

Tgt Ion: 73 Resp: 167
Ion Ratio Lower Upper
73 100
43 115.0 17.6 26.4#
57 36.5 16.8 25.2#





#19

1,1-Dichloroethane

Concen: 0.653 ug/L

RT: 6.214 min Scan# 706

Delta R.T. 0.006 min

Lab File: VW023832.D

Acq: 18 Jul 2022 11:12

Instrument :

MSVOA_W

ClientSampleId :

F5C22

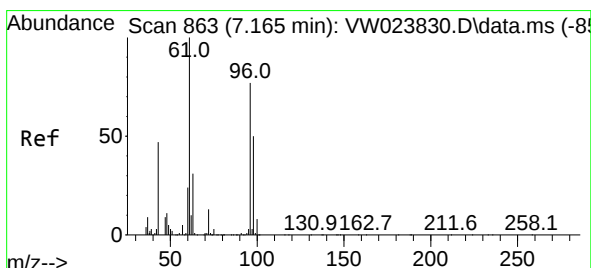
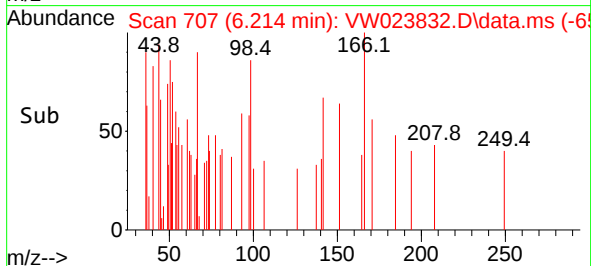
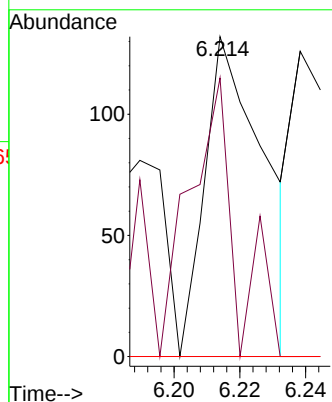
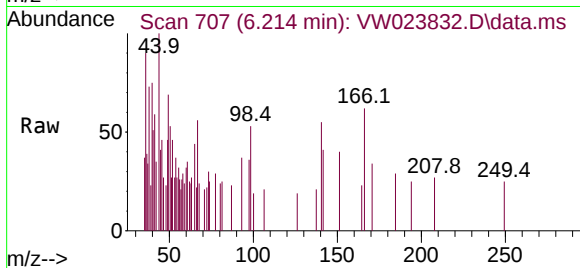
Tgt Ion: 63 Resp: 165

Ion Ratio Lower Upper

63 100

65 87.1 22.7 42.1#

83 0.0 9.7 18.1#



#20

cis-1,2-Dichloroethene

Concen: 0.817 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW023832.D

Acq: 18 Jul 2022 11:12

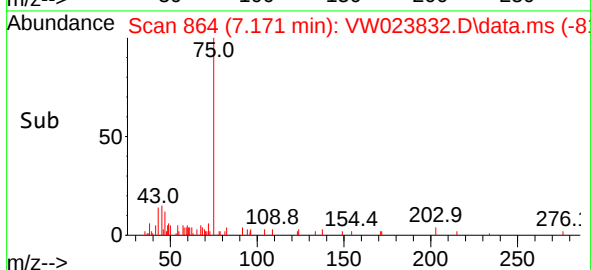
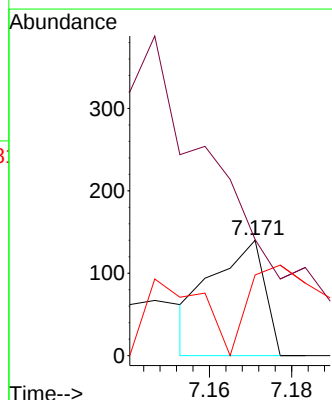
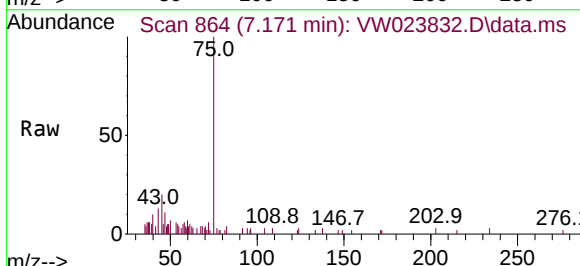
Tgt Ion: 96 Resp: 124

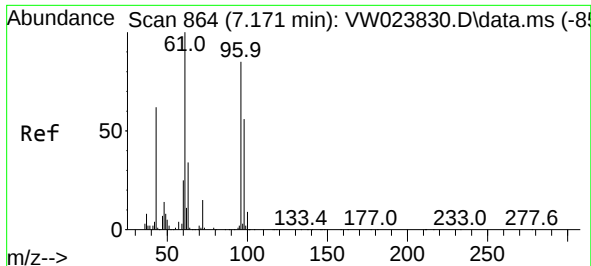
Ion Ratio Lower Upper

96 100

61 100.7 90.6 168.2

68 70.0 0.2 0.4#

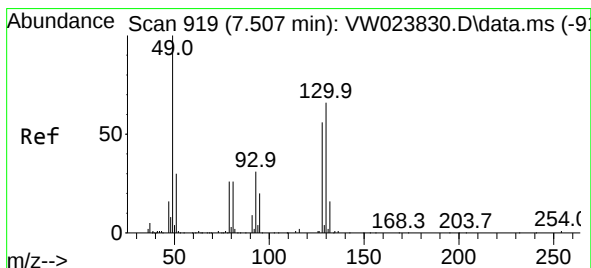
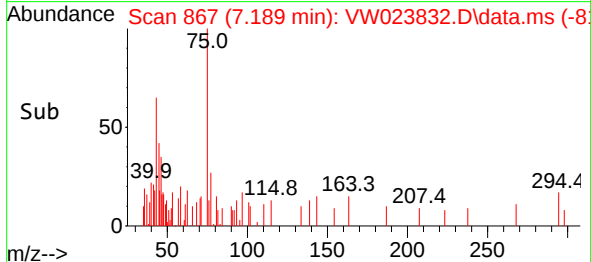
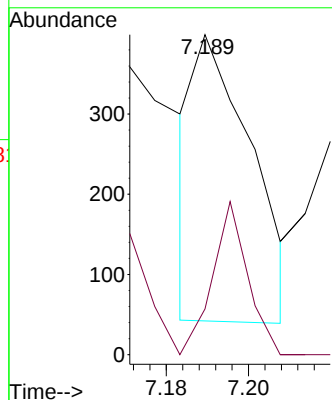
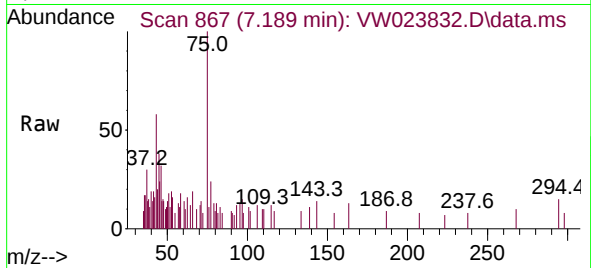




#22
2-Butanone
Concen: 7.079 ug/L
RT: 7.189 min Scan# 801
Delta R.T. 0.018 min
Lab File: VW023832.D
Acq: 18 Jul 2022 11:12

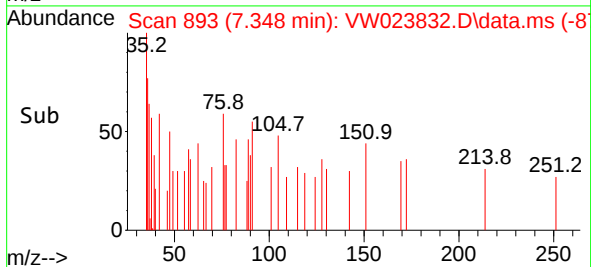
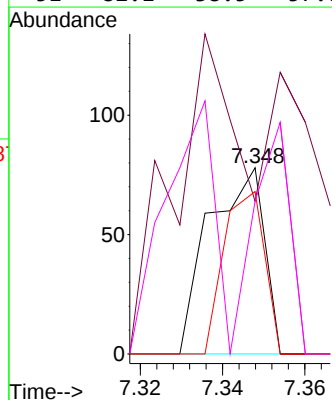
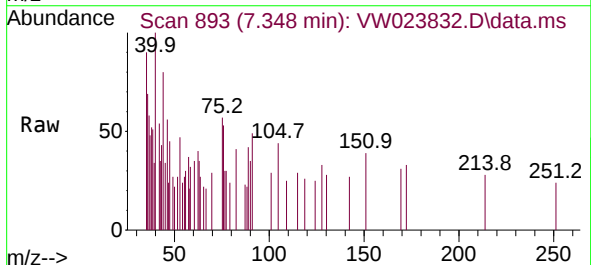
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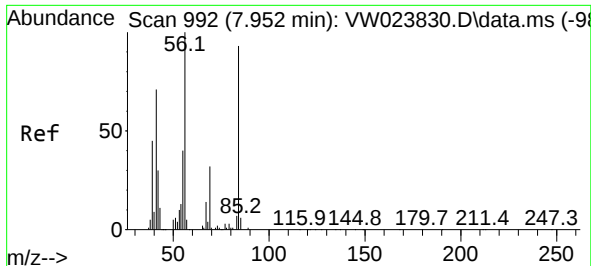
Tgt Ion: 43 Resp: 347
Ion Ratio Lower Upper
43 100
72 32.6 14.7 44.1



#23
Bromochloromethane
Concen: 0.988 ug/L
RT: 7.348 min Scan# 893
Delta R.T. -0.159 min
Lab File: VW023832.D
Acq: 18 Jul 2022 11:12

Tgt Ion: 128 Resp: 72
Ion Ratio Lower Upper
128 100
49 82.1 106.0 196.8#
130 87.2 83.2 154.4
51 82.1 38.5 57.7#





#29

Cyclohexane

Concen: 0.921 ug/L

RT: 7.988 min Scan# 99

Delta R.T. 0.036 min

Lab File: VW023832.D

Acq: 18 Jul 2022 11:12

Instrument :

MSVOA_W

ClientSampleId :

F5C22

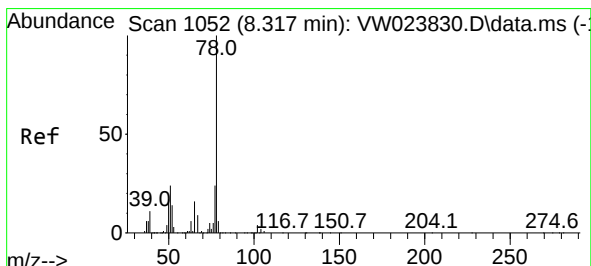
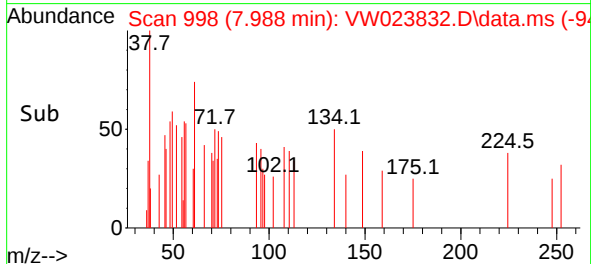
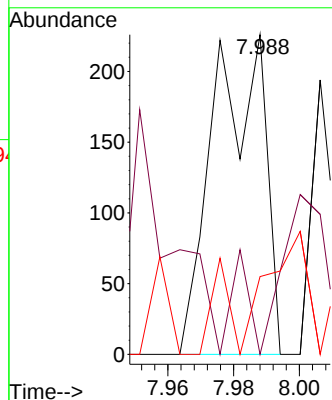
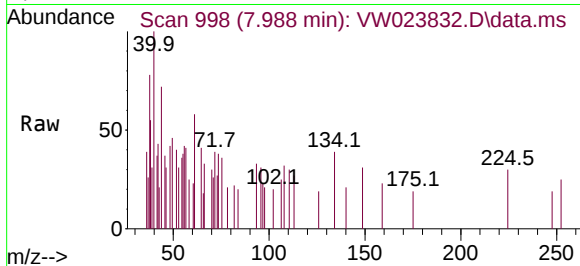
Tgt Ion: 56 Resp: 245

Ion Ratio Lower Upper

56 100

69 11.0 25.4 38.0#

84 10.2 75.0 112.4#



#33

Benzene

Concen: 0.669 ug/L

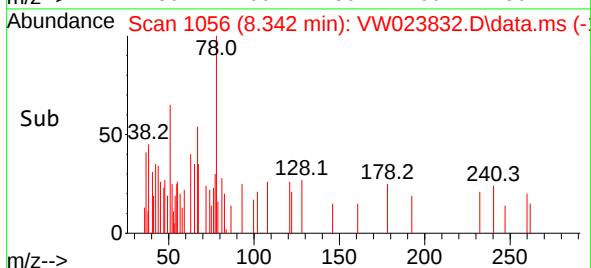
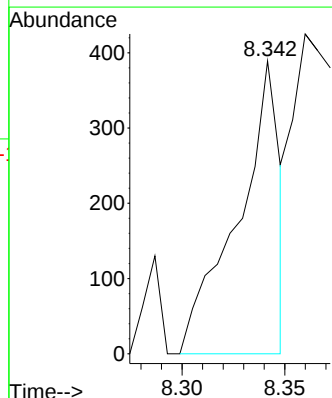
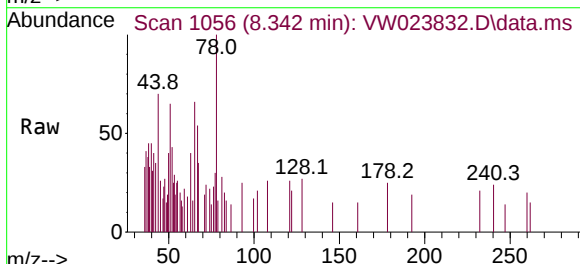
RT: 8.342 min Scan# 1056

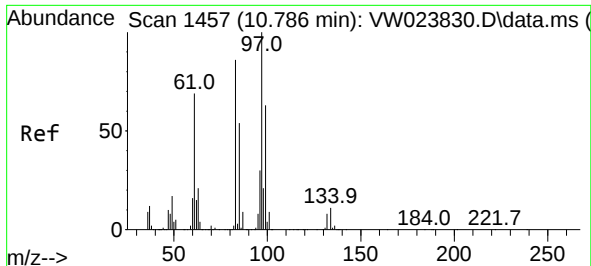
Delta R.T. 0.024 min

Lab File: VW023832.D

Acq: 18 Jul 2022 11:12

Tgt Ion: 78 Resp: 553

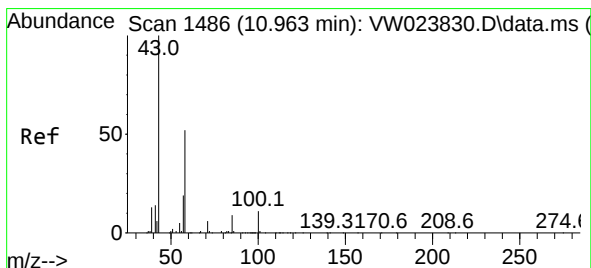
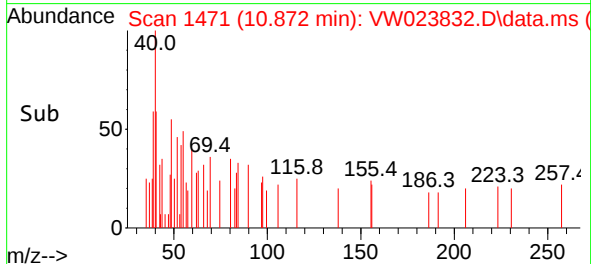
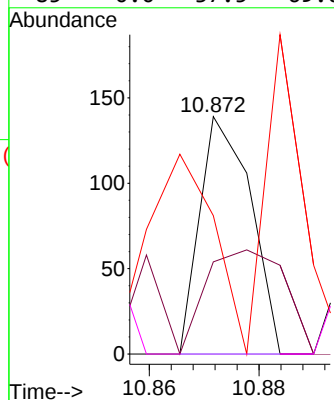
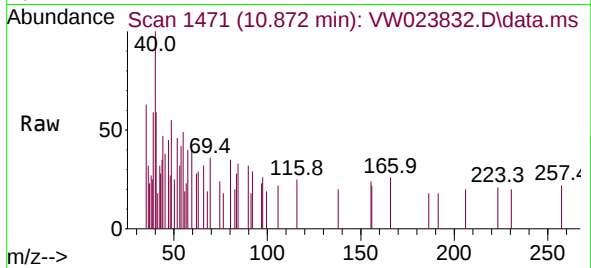




#45
1,1,2-Trichloroethane
Concen: 0.496 ug/L
RT: 10.872 min Scan# 1457
Delta R.T. 0.085 min
Lab File: VW023832.D
Acq: 18 Jul 2022 11:12

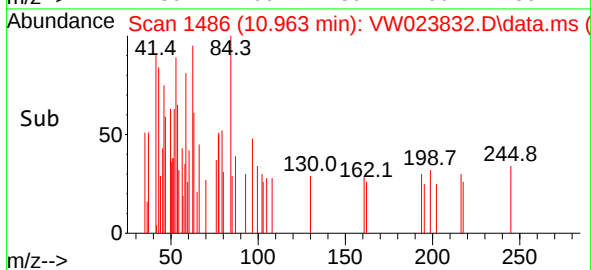
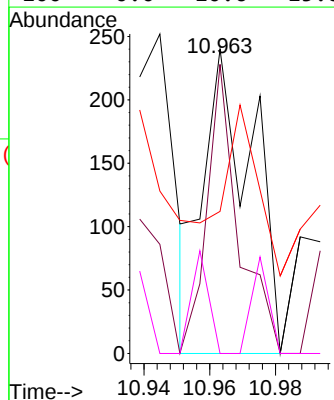
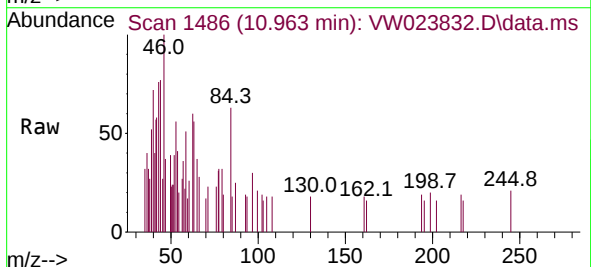
Instrument :
MSVOA_W
ClientSampleId :
F5C22

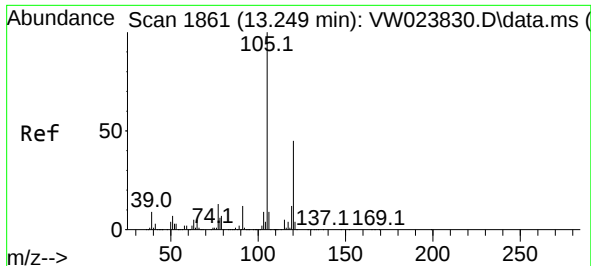
Tgt Ion:	97	Resp:	90
Ion	Ratio	Lower	Upper
97	100		
99	38.8	44.2	82.2#
83	58.3	59.8	111.0#
85	0.0	37.5	69.6#



#48
2-Hexanone
Concen: 2.313 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VW023832.D
Acq: 18 Jul 2022 11:12

Tgt Ion:	43	Resp:	243
Ion	Ratio	Lower	Upper
43	100		
58	62.1	41.6	62.4
57	44.9	14.6	21.8#
100	0.0	10.6	15.8#

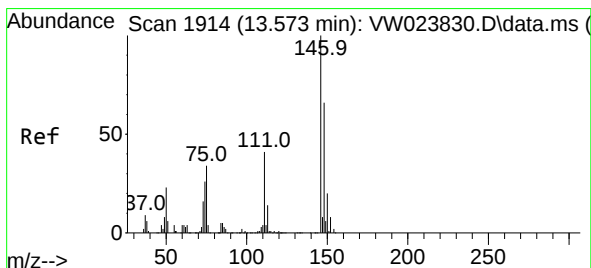
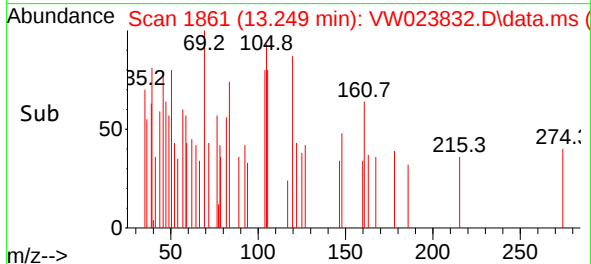
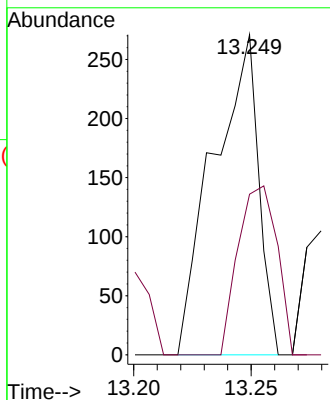
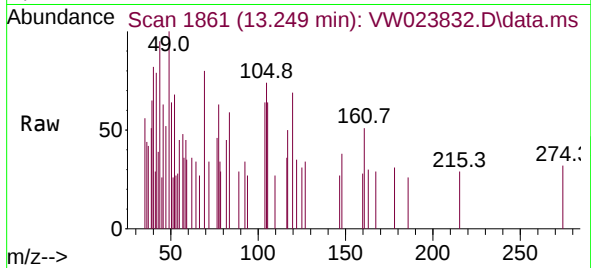




#63
1,2,4-Trimethylbenzene
Concen: 0.552 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW023832.D
Acq: 18 Jul 2022 11:12

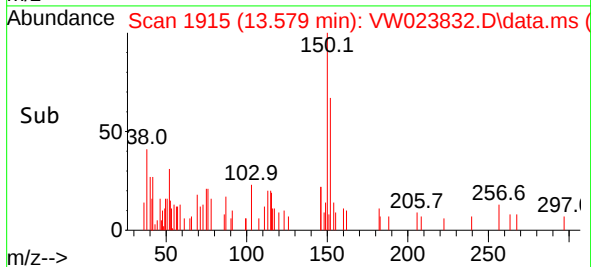
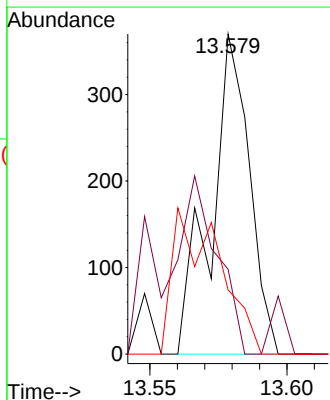
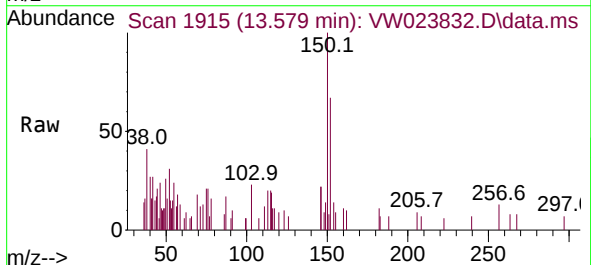
Instrument :
MSVOA_W
ClientSampleId :
F5C22

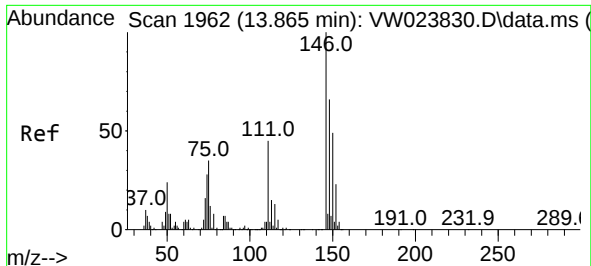
Tgt Ion:105 Resp: 362
Ion Ratio Lower Upper
105 100
120 45.6 35.5 53.3



#65
1,4-Dichlorobenzene
Concen: 0.925 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW023832.D
Acq: 18 Jul 2022 11:12

Tgt Ion:146 Resp: 358
Ion Ratio Lower Upper
146 100
111 26.5 29.4 54.6#
148 20.0 44.4 82.5#





#67

1,2-Dichlorobenzene

Concen: 0.811 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW023832.D

Acq: 18 Jul 2022 11:12

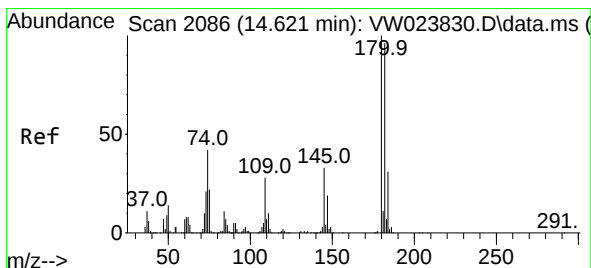
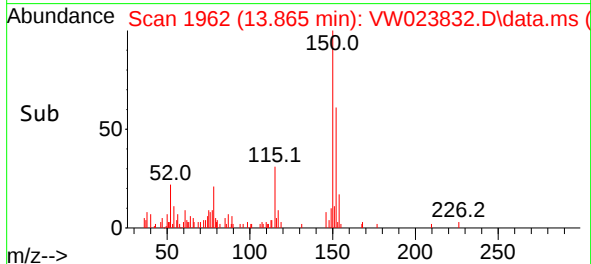
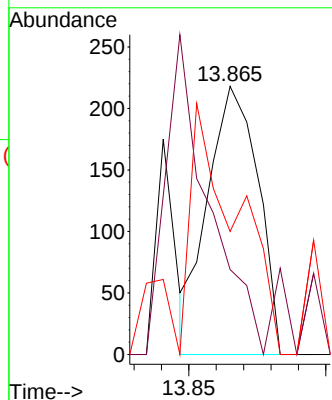
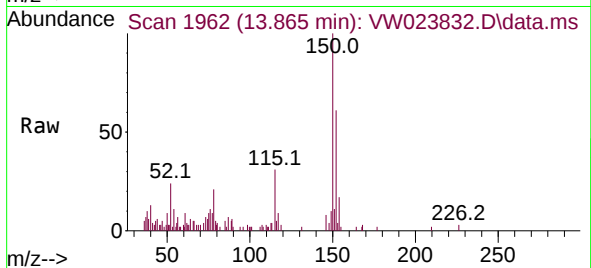
Instrument :

MSVOA_W

ClientSampleId :

F5C22

Tgt Ion:146	Resp:	278
Ion	Ratio	Lower Upper
146	100	
111	31.7	35.9 53.9#
148	45.9	51.3 76.9#



#69

1,3,5-Trichlorobenzene

Concen: 1.554 ug/L

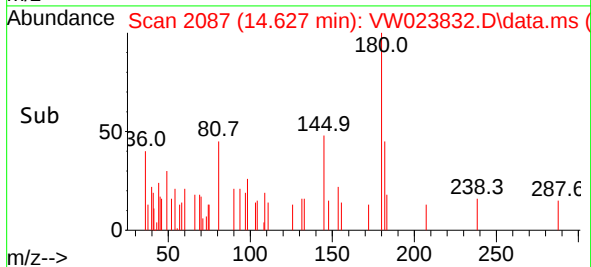
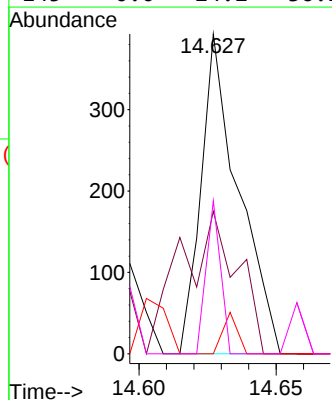
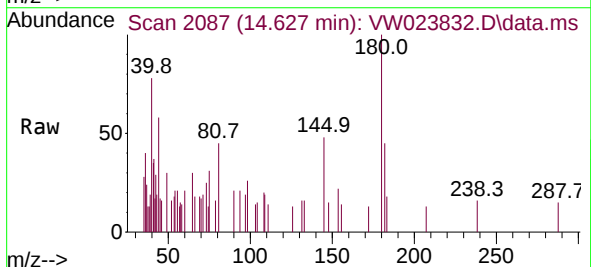
RT: 14.627 min Scan# 2087

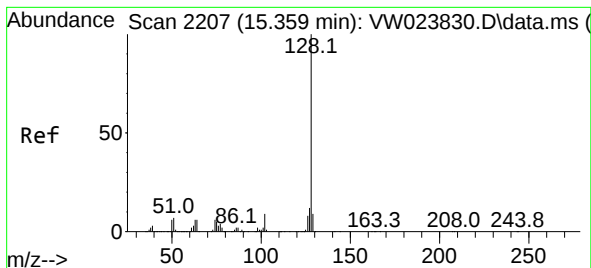
Delta R.T. 0.006 min

Lab File: VW023832.D

Acq: 18 Jul 2022 11:12

Tgt Ion:180	Resp:	374
Ion	Ratio	Lower Upper
180	100	
182	37.7	70.2 105.2#
184	0.0	22.6 34.0#
145	0.0	24.2 36.2#





#71

Naphthalene

Concen: 0.961 ug/L

RT: 15.359 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW023832.D

Acq: 18 Jul 2022 11:12

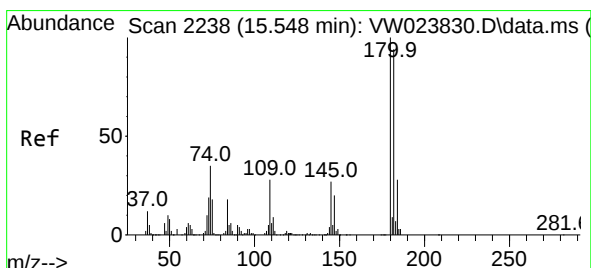
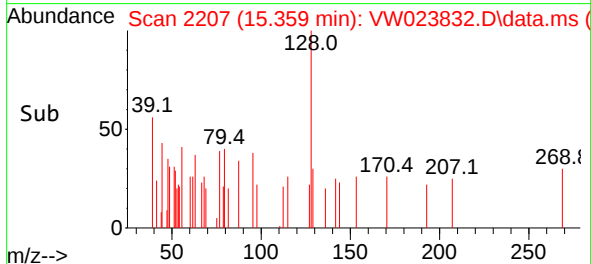
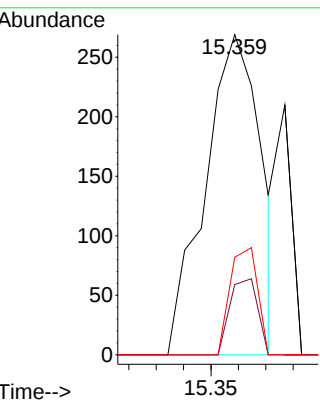
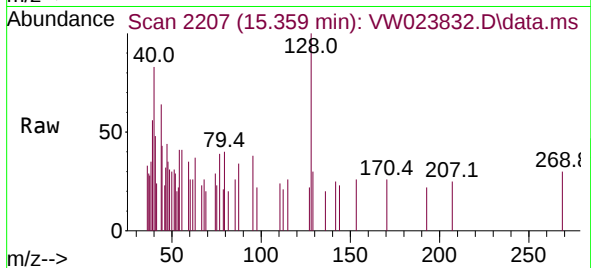
Instrument :

MSVOA_W

ClientSampleId :

F5C22

Tgt Ion:	128	Resp:	383
Ion	Ratio	Lower	Upper
128	100		
127	11.7	11.0	16.4
129	16.4	9.0	13.4#



#72

1,2,3-Trichlorobenzene

Concen: 1.720 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW023832.D

Acq: 18 Jul 2022 11:12

Tgt Ion:	180	Resp:	298
Ion	Ratio	Lower	Upper
180	100		
182	26.8	76.3	114.5#
145	0.0	27.8	41.6#

