

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
 Data File : VW020803.D
 Acq On : 08 Nov 2021 12:06
 Operator : SY/VA
 Sample : M4464-04
 Misc : 5.96g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 09 07:10:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Nov 08 04:39:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	165170	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	120543	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	28269	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	46842	30.163	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 120.640%	
7) Chloroethane-d5	3.099	69	244	0.276	ug/L	0.21
Spiked Amount	25.000	Range	30 - 150	Recovery	= 1.120%#	
11) 1,1-Dichloroethene-d2	4.032	63	164128	50.352	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	= 201.400%#	
21) 2-Butanone-d5	7.092	46	23620	45.798	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 91.600%	
24) Chloroform-d	7.647	84	84022	22.894	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 91.560%	
26) 1,2-Dichloroethane-d4	8.305	65	45971	23.530	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 94.120%	
32) Benzene-d6	8.275	84	168370	30.915	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 123.640%	
36) 1,2-Dichloropropane-d6	9.281	67	45520	26.996	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 108.000%	
41) Toluene-d8	10.329	98	148540	28.034	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 112.120%	
43) trans-1,3-Dichloroprop...	10.579	79	24046	28.752	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 115.000%	
47) 2-Hexanone-d5	10.921	63	19294	56.551	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 226.200%#	
56) 1,1,2,2-Tetrachloroeth...	12.689	84	32085	22.960	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 91.840%	
66) 1,2-Dichlorobenzene-d4	13.853	152	23115	26.019	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 104.080%	
Target Compounds						
						Qvalue
5) Vinyl chloride	2.355	62	48620	19.127	ug/L	93
8) Chloroethane	2.916	64	3660	3.916	ug/L	88
12) 1,1-Dichloroethene	4.038	96	212162	100.401	ug/L	# 65
13) Acetone	4.117	43	1920655	4001.585	ug/L	94
14) Carbon disulfide	4.385	76	35567	5.576	ug/L	98
17) trans-1,2-Dichloroethene	5.422	96	32799	14.602	ug/L	87
19) 1,1-Dichloroethane	6.208	63	2327893	598.378	ug/L	98
20) cis-1,2-Dichloroethene	7.165	96	9165319	3870.698	ug/L	# 61
22) 2-Butanone	7.177	43	149568	234.510	ug/L	# 1
27) 1,2-Dichloroethane	8.397	62	33961	12.953	ug/L	98
33) Benzene	8.323	78	192251	26.630	ug/L	100
34) Trichloroethene	9.086	95	4789413	2492.355	ug/L	88
38) Bromodichloromethane	9.884	83	1810	0.756	ug/L	# 80
39) cis-1,3-Dichloropropene	10.037	75	1967	0.707	ug/L	# 71
40) 4-Methyl-2-pentanone	10.226	43	237504	212.610	ug/L	# 96
42) Toluene	10.390	91	14785099	1904.519	ug/L	90
52) Ethylbenzene	11.731	91	6117	0.703	ug/L	87
53) m,p-Xylene	11.835	106	2661	0.764	ug/L	95

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Quant Title : SFAM01.0
QLast Update : Mon Nov 08 04:39:29 2021
Response via : Initial Calibration

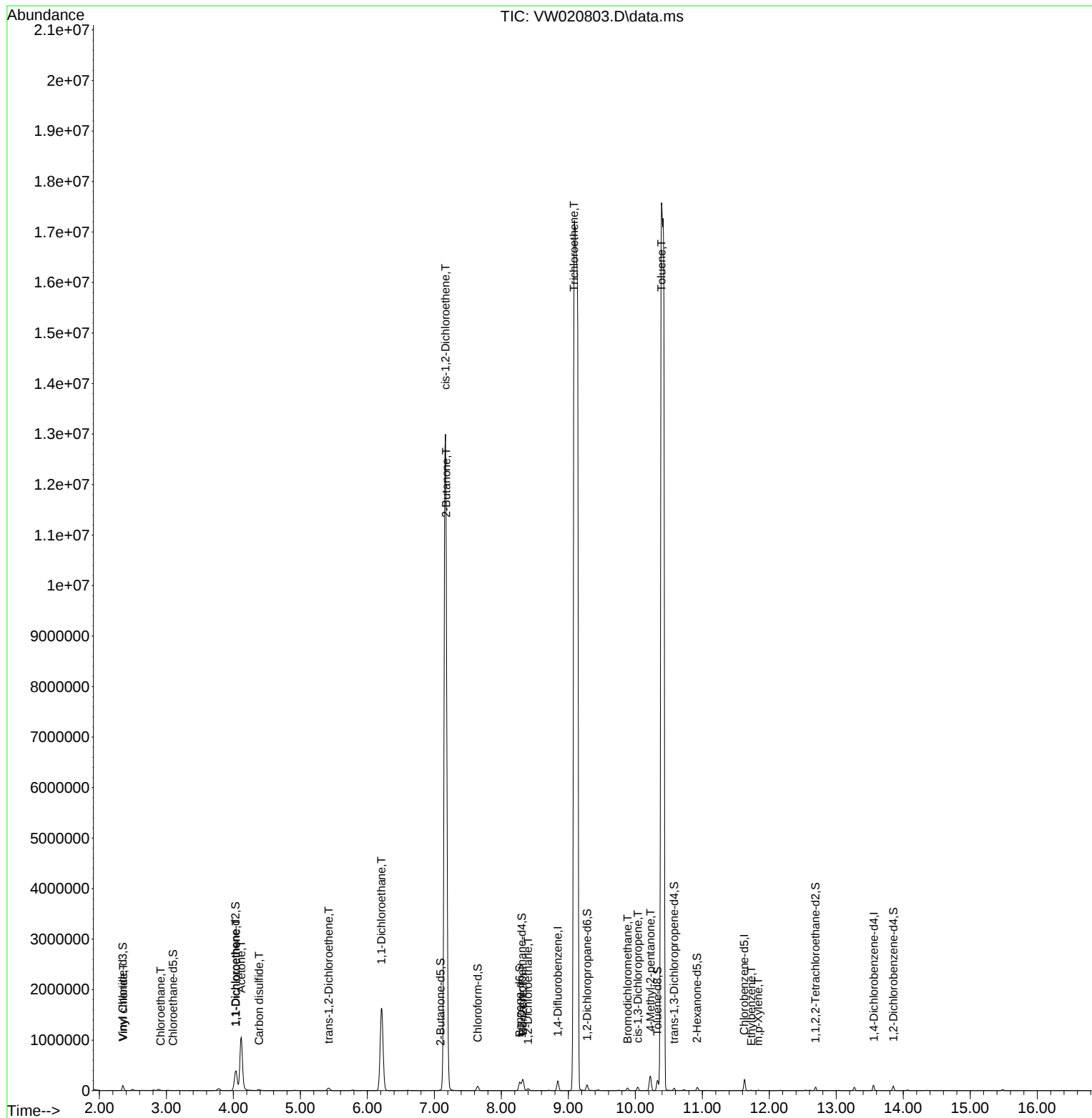
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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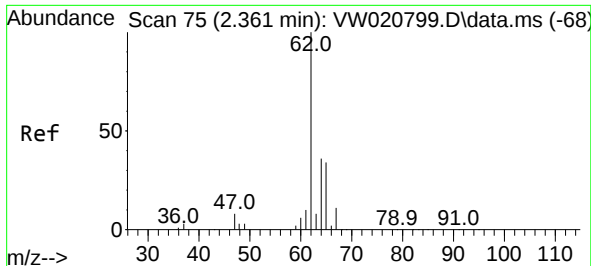
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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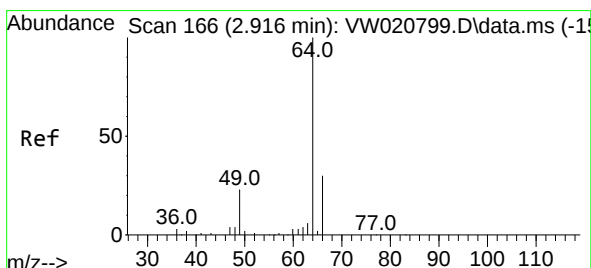
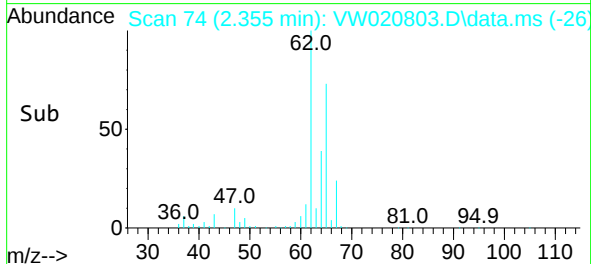
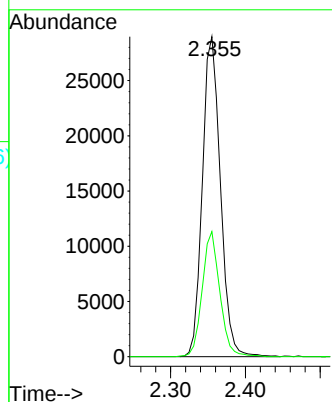
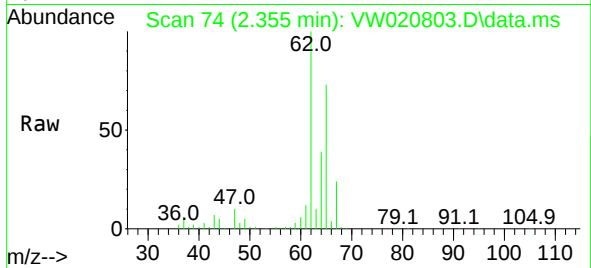




#5
 Vinyl chloride
 Concen: 19.127 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW020803.D
 Acq: 08 Nov 2021 12:06

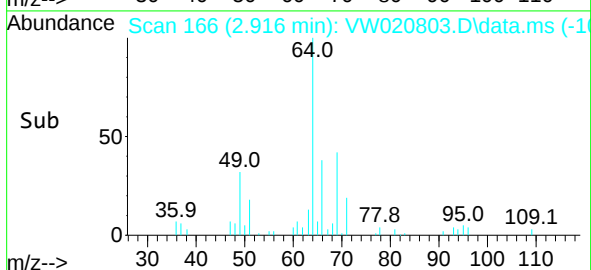
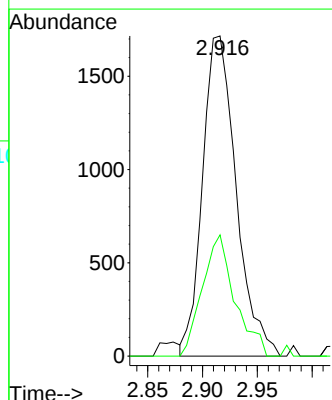
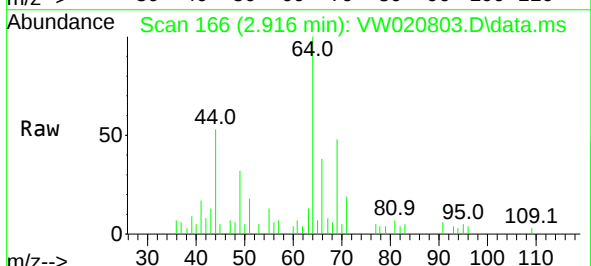
Instrument :
 MSVOA_W
 ClientSampleId :

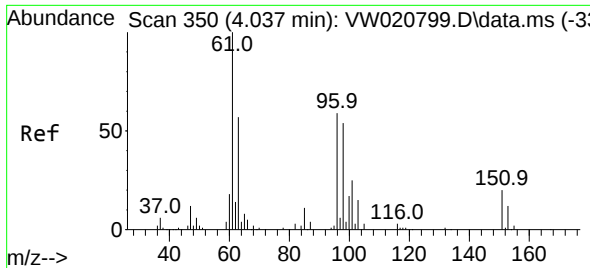
Tgt Ion: 62 Resp: 48620
 Ion Ratio Lower Upper
 62 100
 64 39.1 24.4 45.2



#8
 Chloroethane
 Concen: 3.916 ug/L
 RT: 2.916 min Scan# 166
 Delta R.T. -0.006 min
 Lab File: VW020803.D
 Acq: 08 Nov 2021 12:06

Tgt Ion: 64 Resp: 3660
 Ion Ratio Lower Upper
 64 100
 66 37.9 22.0 40.8

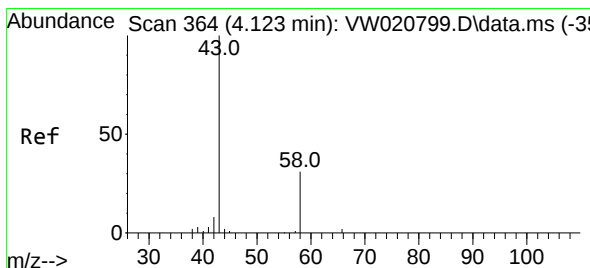
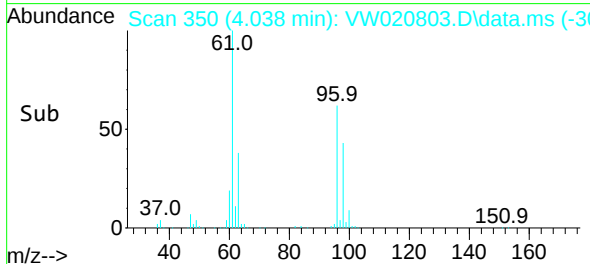
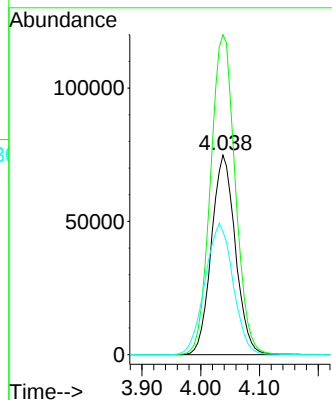
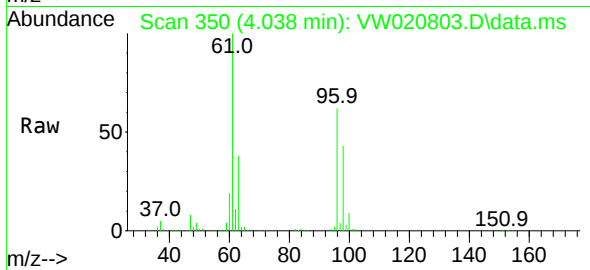




#12
1,1-Dichloroethene
Concen: 100.401 ug/L
RT: 4.038 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW020803.D
Acq: 08 Nov 2021 12:06

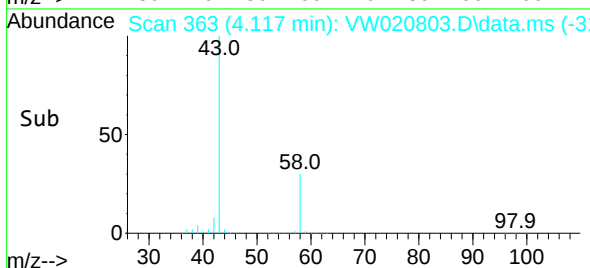
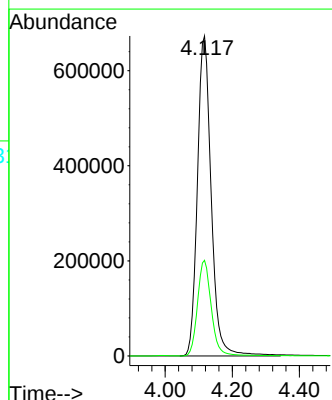
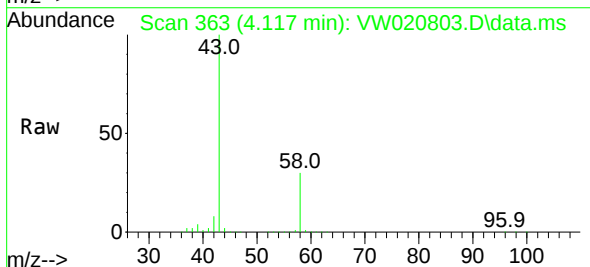
Instrument :
MSVOA_W
ClientSampleId :

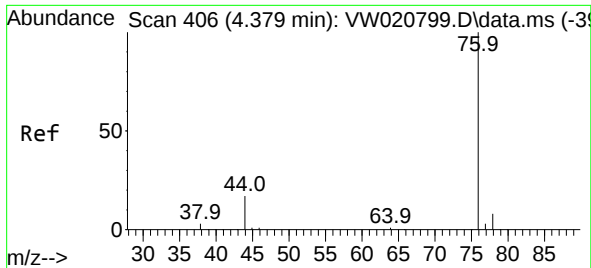
Tgt Ion: 96 Resp: 212162
Ion Ratio Lower Upper
96 100
61 160.4 138.3 256.9
63 61.7 82.6 153.4#



#13
Acetone
Concen: 4001.585 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.006 min
Lab File: VW020803.D
Acq: 08 Nov 2021 12:06

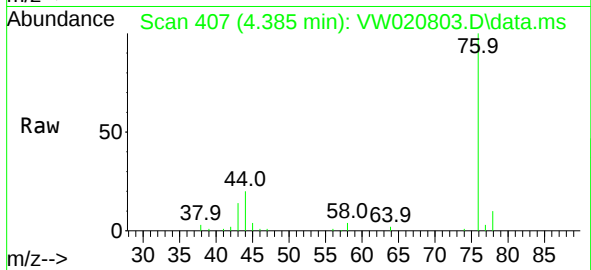
Tgt Ion: 43 Resp: 1920655
Ion Ratio Lower Upper
43 100
58 29.6 0.0 52.8



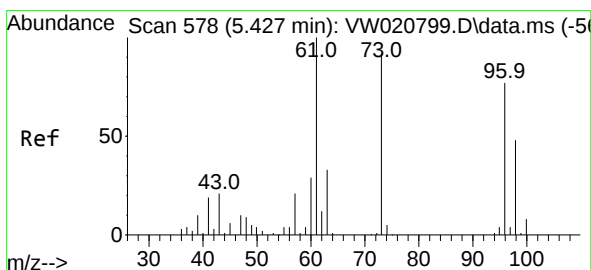
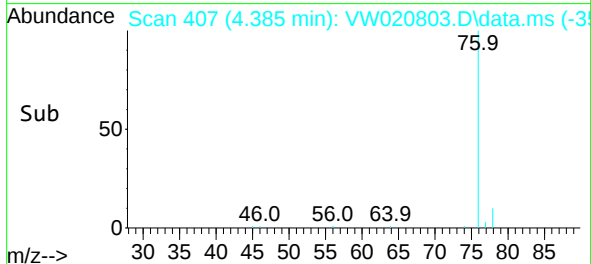
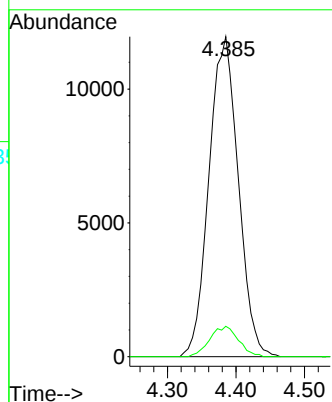


#14
Carbon disulfide
Concen: 5.576 ug/L
RT: 4.385 min Scan# 406
Delta R.T. 0.000 min
Lab File: VW020803.D
Acq: 08 Nov 2021 12:06

Instrument :
MSVOA_W
ClientSampleId :

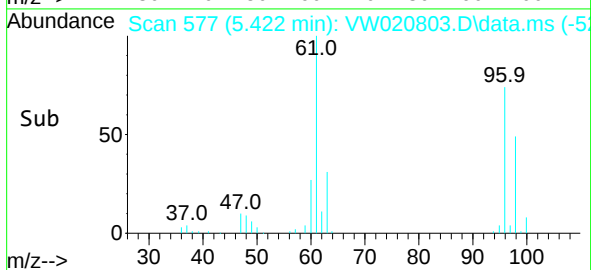
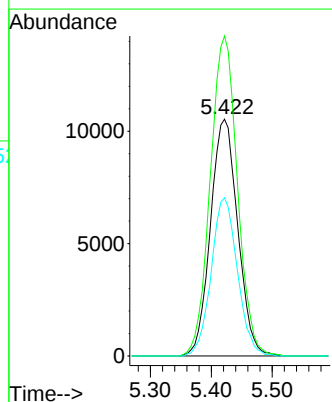
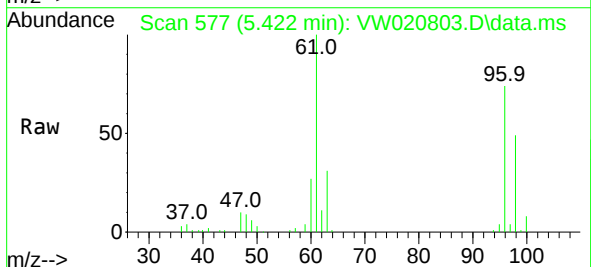


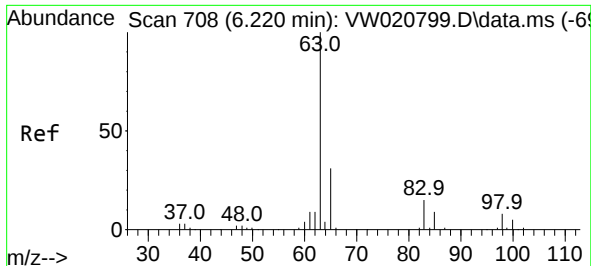
Tgt Ion: 76 Resp: 35567
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#17
trans-1,2-Dichloroethene
Concen: 14.602 ug/L
RT: 5.422 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW020803.D
Acq: 08 Nov 2021 12:06

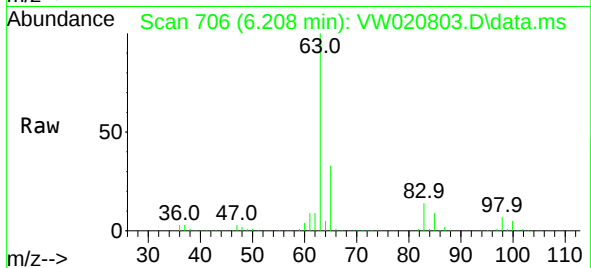
Tgt Ion: 96 Resp: 32799
Ion Ratio Lower Upper
96 100
61 135.1 107.4 199.4
98 66.8 41.2 76.6





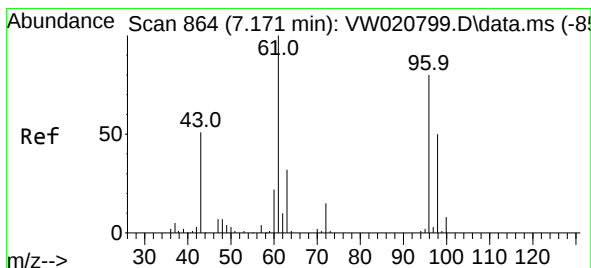
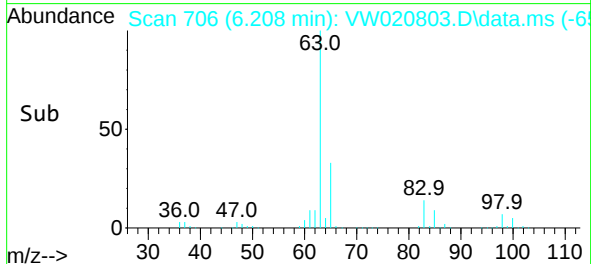
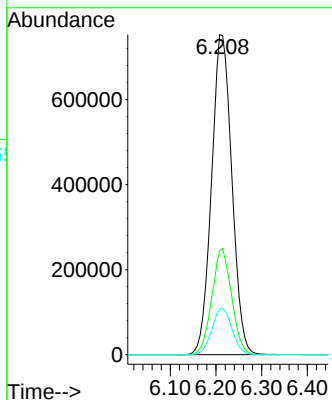
#19
1,1-Dichloroethane
Concen: 598.378 ug/L
RT: 6.208 min Scan# 708
Delta R.T. -0.012 min
Lab File: VW020803.D
Acq: 08 Nov 2021 12:06

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 63 Resp: 2327893

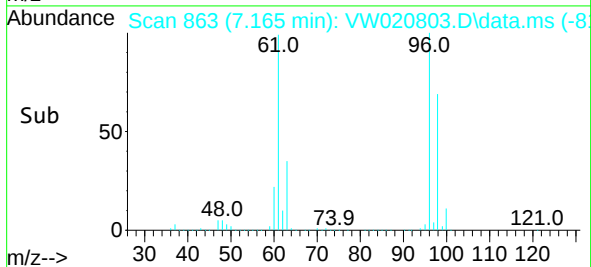
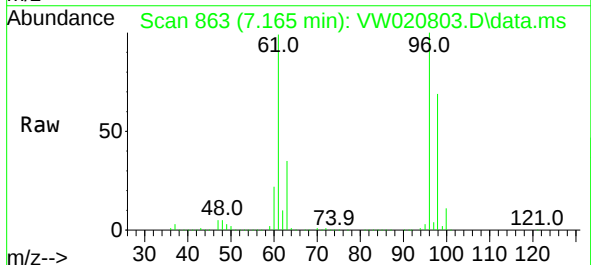
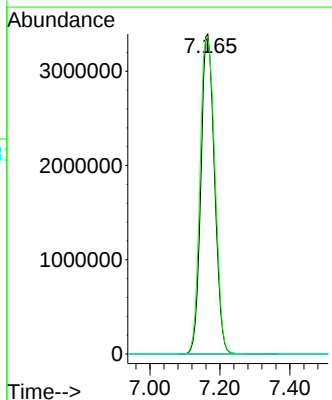
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.1	41.1
83	14.2	9.2	17.2

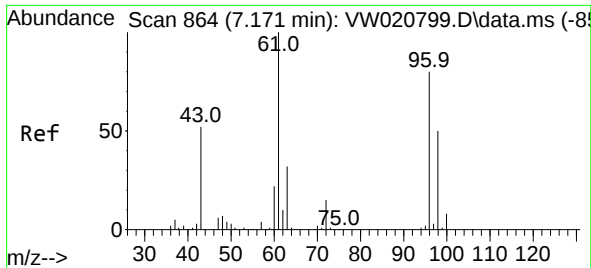


#20
cis-1,2-Dichloroethene
Concen: 3870.698 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.006 min
Lab File: VW020803.D
Acq: 08 Nov 2021 12:06

Tgt Ion: 96 Resp: 9165319

Ion	Ratio	Lower	Upper
96	100		
61	99.1	103.7	192.7#
68	0.0	0.0	0.0#

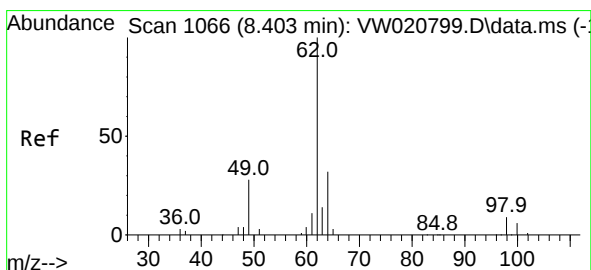
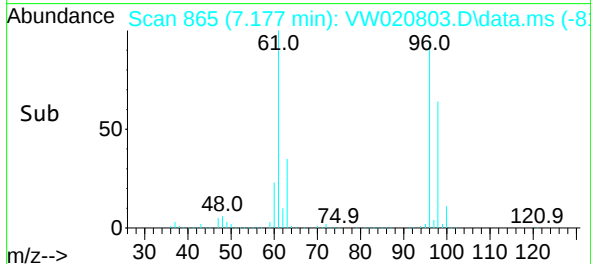
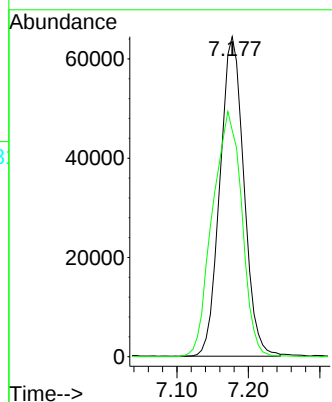
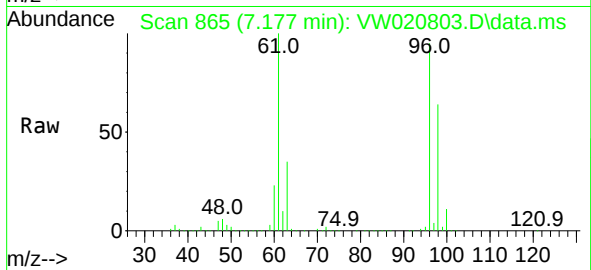




#22
2-Butanone
Concen: 234.510 ug/L
RT: 7.177 min Scan# 80
Delta R.T. 0.006 min
Lab File: VW020803.D
Acq: 08 Nov 2021 12:06

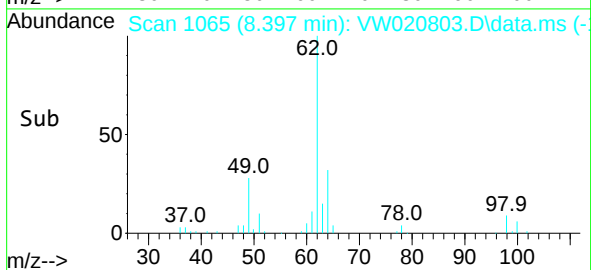
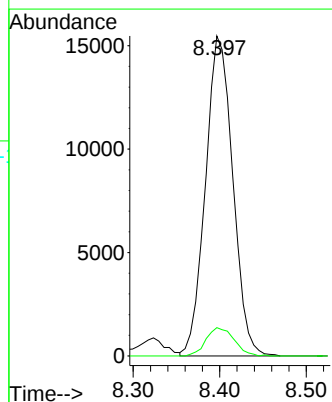
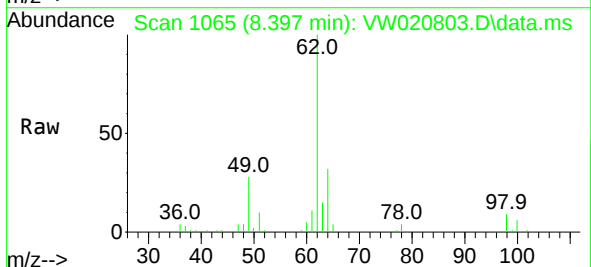
Instrument :
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ClientSampleId :

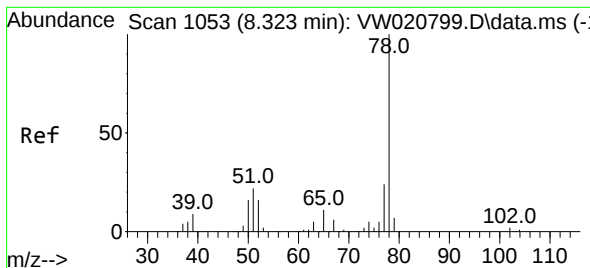
Tgt Ion: 43 Resp: 149568
Ion Ratio Lower Upper
43 100
72 94.1 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 12.953 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. -0.006 min
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Tgt Ion: 62 Resp: 33961
Ion Ratio Lower Upper
62 100
98 8.9 6.5 9.7





#33

Benzene

Concen: 26.630 ug/L

RT: 8.323 min Scan# 110

Delta R.T. 0.000 min

Lab File: VW020803.D

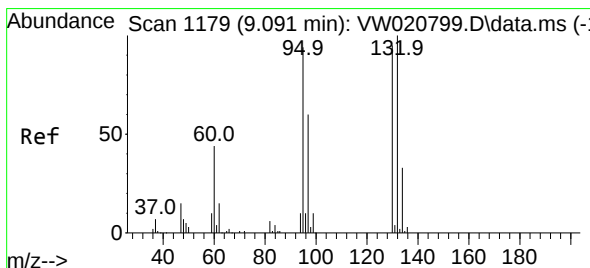
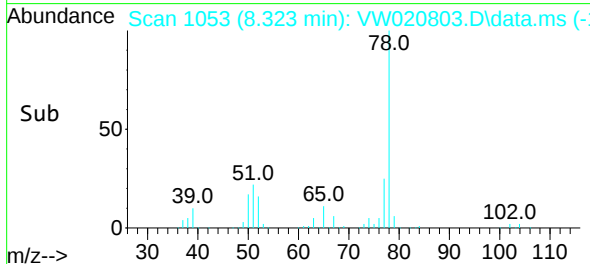
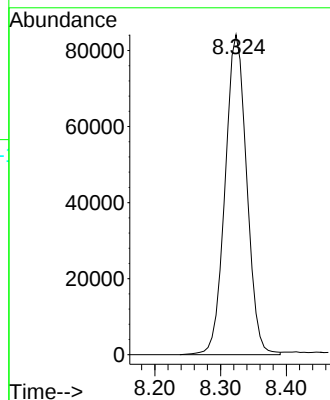
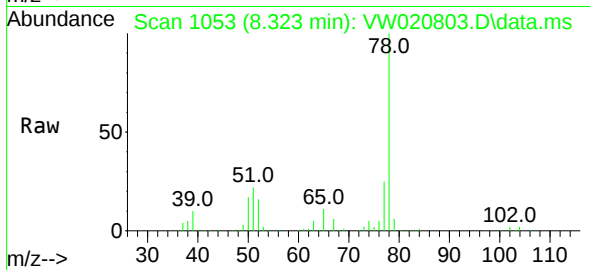
Acq: 08 Nov 2021 12:06

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 192251



#34

Trichloroethene

Concen: 2492.355 ug/L

RT: 9.086 min Scan# 1178

Delta R.T. -0.006 min

Lab File: VW020803.D

Acq: 08 Nov 2021 12:06

Tgt Ion: 95 Resp: 4789413

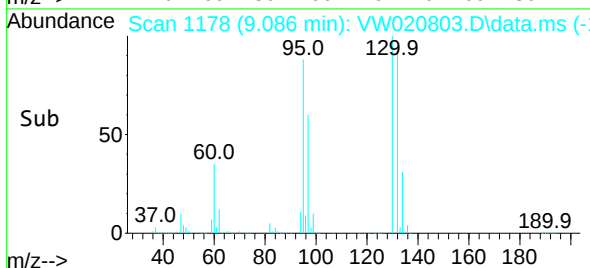
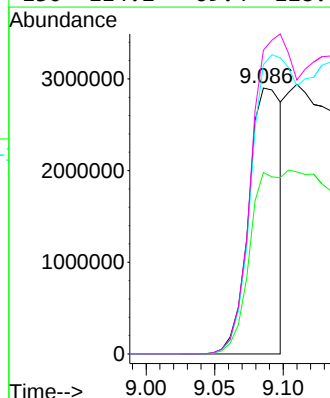
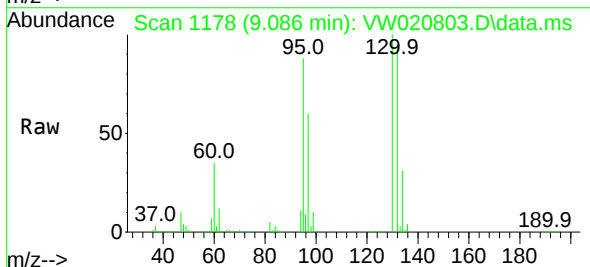
Ion Ratio Lower Upper

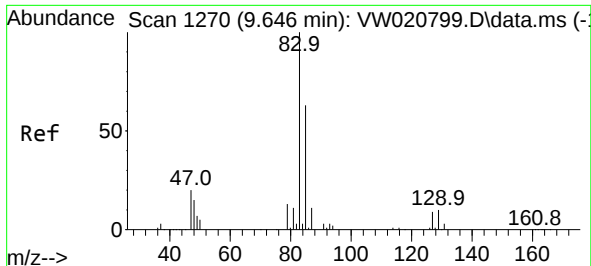
95 100

97 68.2 47.0 87.2

132 108.8 65.5 121.6

130 114.2 69.4 128.8





#38

Bromodichloromethane

Concen: 0.756 ug/L

RT: 9.884 min Scan# 11

Delta R.T. 0.238 min

Lab File: VW020803.D

Acq: 08 Nov 2021 12:06

Instrument :

MSVOA_W

ClientSampleId :

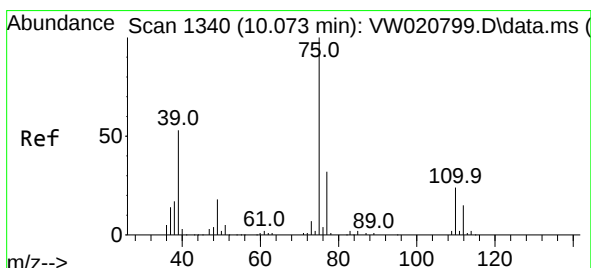
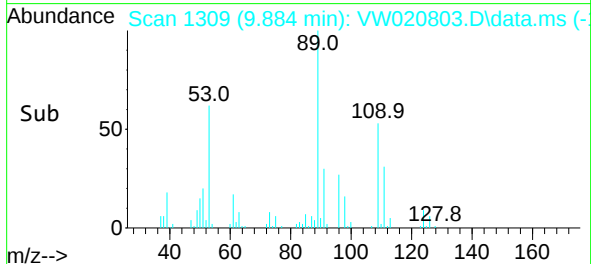
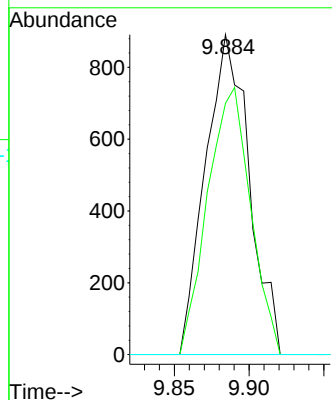
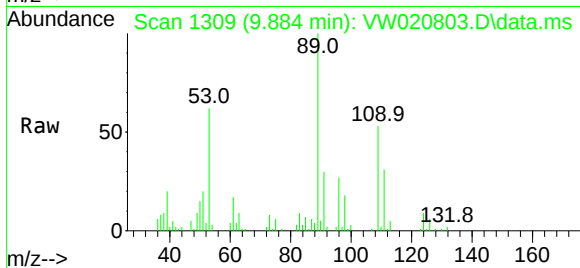
Tgt Ion: 83 Resp: 1810

Ion Ratio Lower Upper

83 100

85 78.6 44.1 81.9

127 0.0 6.1 9.1#



#39

cis-1,3-Dichloropropene

Concen: 0.707 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW020803.D

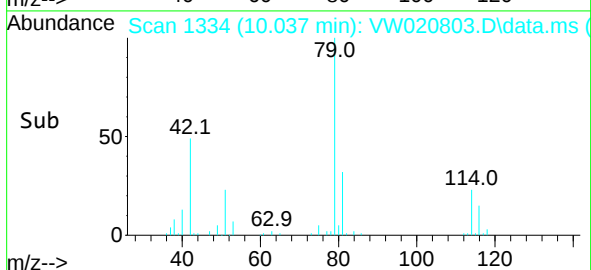
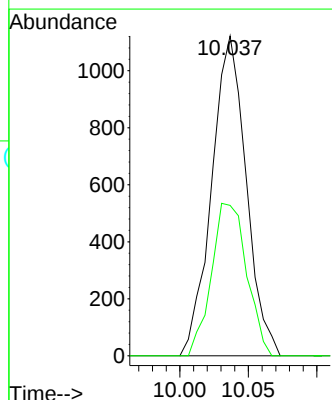
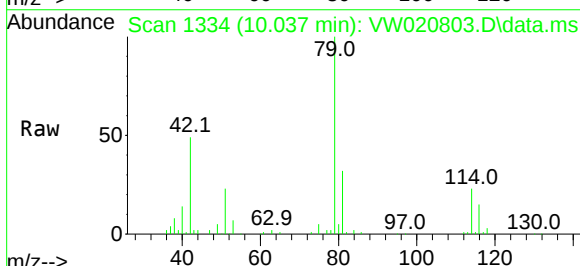
Acq: 08 Nov 2021 12:06

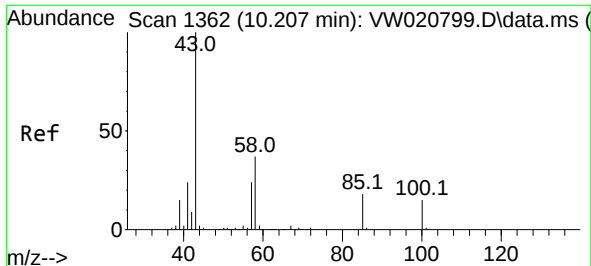
Tgt Ion: 75 Resp: 1967

Ion Ratio Lower Upper

75 100

77 47.1 21.8 40.6#

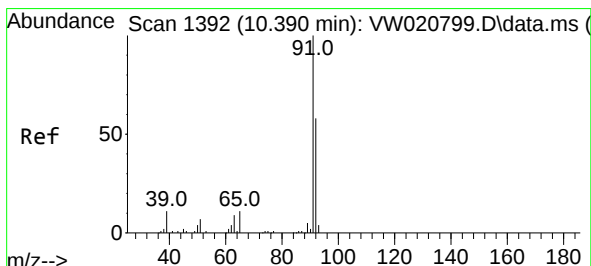
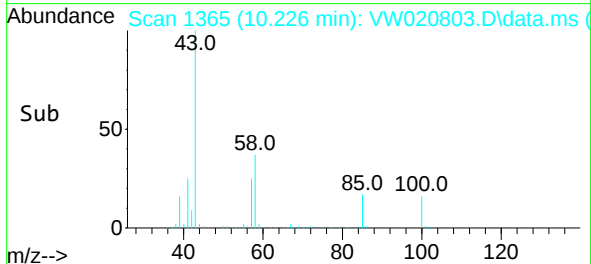
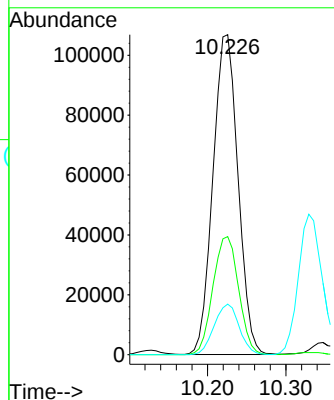
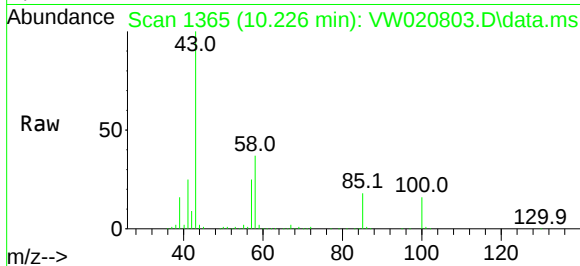




#40
4-Methyl-2-pentanone
Concen: 212.610 ug/L
RT: 10.226 min Scan# 1365
Delta R.T. 0.018 min
Lab File: VW020803.D
Acq: 08 Nov 2021 12:06

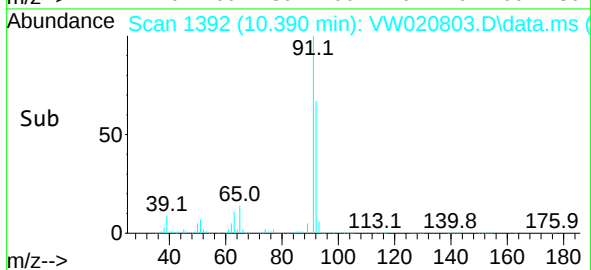
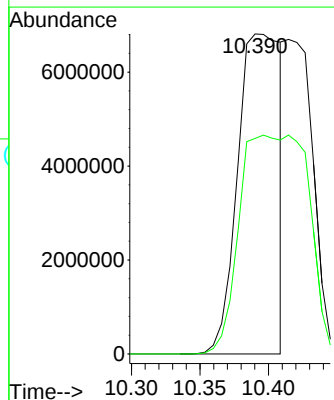
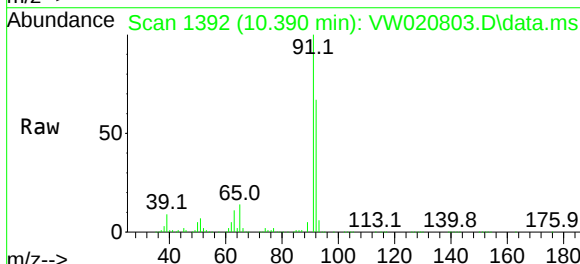
Instrument :
MSVOA_W
ClientSampleId :

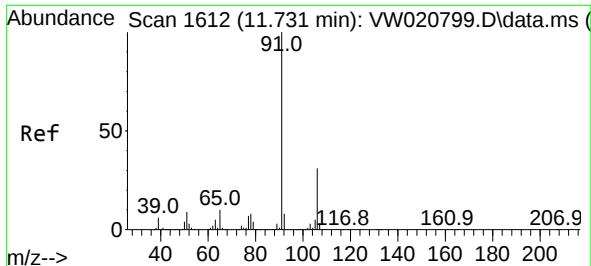
Tgt Ion: 43 Resp: 237504
Ion Ratio Lower Upper
43 100
58 37.8 28.8 43.2
100 15.8 10.0 15.0#



#42
Toluene
Concen: 1904.519 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW020803.D
Acq: 08 Nov 2021 12:06

Tgt Ion: 91 Resp:14785099
Ion Ratio Lower Upper
91 100
92 67.3 41.7 77.5

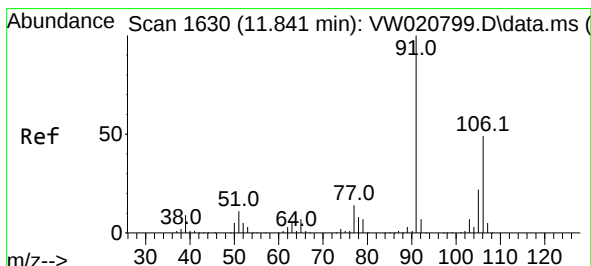
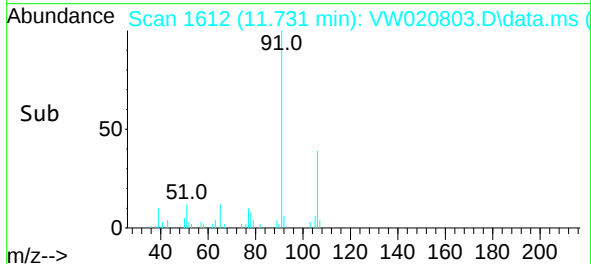
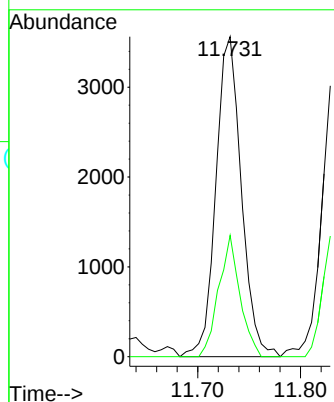
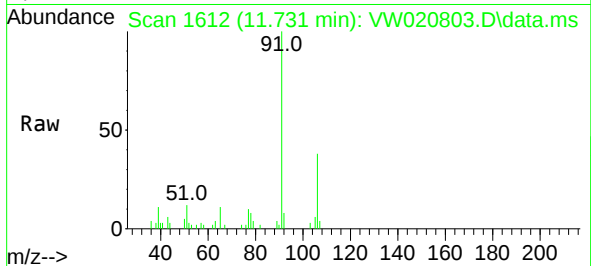




#52
Ethylbenzene
Concen: 0.703 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020803.D
Acq: 08 Nov 2021 12:06

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 91 Resp: 6117
Ion Ratio Lower Upper
91 100
106 37.9 21.5 39.9



#53
m,p-Xylene
Concen: 0.764 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW020803.D
Acq: 08 Nov 2021 12:06

Tgt Ion: 106 Resp: 2661
Ion Ratio Lower Upper
106 100
91 206.7 149.9 278.3

