

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060421\
 Data File : VV021516.D
 Acq On : 04 Jun 2021 18:52
 Operator : SY/MD
 Sample : BLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK21

Quant Time: Jun 05 03:59:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 05 03:34:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.632	114	148	50.000	ug/L	# 0.02
28) Chlorobenzene-d5	8.870	117	1142	50.000	ug/L	# 0.02
58) 1,4-Dichlorobenzene-d4	11.259	152	1736	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	193	198.068	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	396.140%#	
7) Chloroethane-d5	1.555	69	68	93.813	ug/L	-0.01
Spiked Amount 50.000	Range 70	- 130	Recovery	=	187.620%#	
11) 1,1-Dichloroethene-d2	2.098	63	155	93.092	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	186.180%#	
21) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount 100.000	Range 40	- 130	Recovery	=	0.000%#	
24) Chloroform-d	4.375	84	41	21.137	ug/L	0.03
Spiked Amount 50.000	Range 70	- 125	Recovery	=	42.280%#	
26) 1,2-Dichloroethane-d4	5.230	65	46	41.173	ug/L	0.20
Spiked Amount 50.000	Range 70	- 125	Recovery	=	82.340%	
32) Benzene-d6	5.066	84	237	7.418	ug/L	0.02
Spiked Amount 50.000	Range 70	- 125	Recovery	=	14.840%#	
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount 50.000	Range 70	- 120	Recovery	=	0.000%#	
41) Toluene-d8	7.323	98	250	8.214	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	16.420%#	
43) trans-1,3-Dichloroprop...	7.654	79	156	29.546	ug/L	0.03
Spiked Amount 50.000	Range 60	- 125	Recovery	=	59.100%#	
47) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount 100.000	Range 45	- 130	Recovery	=	0.000%#	
56) 1,1,2,2-Tetrachloroeth...	10.223	84	1031	75.282	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	150.560%#	
66) 1,2-Dichlorobenzene-d4	11.635	152	1217	33.724	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	67.440%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	613	599.858	ug/L #	81
6) Bromomethane	1.523	94	42	58.473	ug/L #	3
8) Chloroethane	1.388	64	39415	66097.204	ug/L #	53
13) Acetone	2.182	43	213	354.291	ug/L #	92
14) Carbon disulfide	2.301	76	1177	429.804	ug/L #	75
15) Methyl Acetate	2.426	43	72	69.896	ug/L #	50
16) Methylene chloride	2.513	84	2450	2251.571	ug/L	90
22) 2-Butanone	3.960	43	40	52.522	ug/L #	49
29) Cyclohexane	4.773	56	515	38.709	ug/L #	14
35) Methylcyclohexane	6.133	83	356	24.961	ug/L #	75
38) Bromodichloromethane	6.571	83	101	8.636	ug/L #	26
40) 4-Methyl-2-pentanone	7.204	43	83	7.345	ug/L #	41
45) 1,1,2-Trichloroethane	7.792	97	3789	447.951	ug/L #	22
46) Tetrachloroethene	7.985	164	1055	129.152	ug/L	92
48) 2-Hexanone	8.088	43	6422	741.001	ug/L #	15
49) Dibromochloromethane	7.979	129	1075	101.494	ug/L #	12
51) Chlorobenzene	8.792	112	71	2.962	ug/L #	45
52) Ethylbenzene	9.024	91	52	1.306	ug/L #	43
57) 1,1,2,2-Tetrachloroethane	10.217	83	370	28.023	ug/L #	75

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 QLast Update : Sat Jun 05 03:34:55 2021
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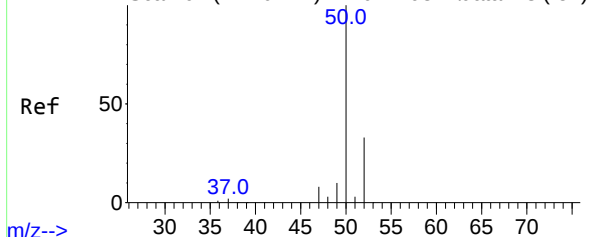
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	9.940	105	2171	20.182	ug/L #	83
61) 1,2,3-Trichloropropane	11.252	75	102	3.739	ug/L #	37
62) 1,3,5-Trimethylbenzene	10.918	105	2955	31.909	ug/L	87
63) 1,2,4-Trimethylbenzene	10.918	105	2955	31.587	ug/L	93
71) Naphthalene	13.503	128	32731	289.773	ug/L #	94

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
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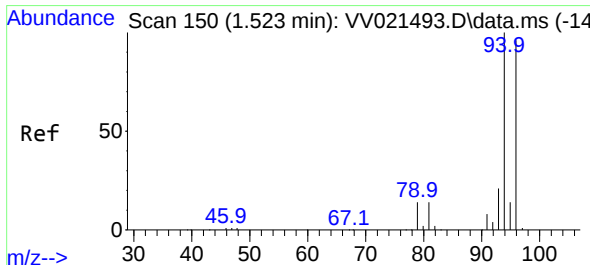
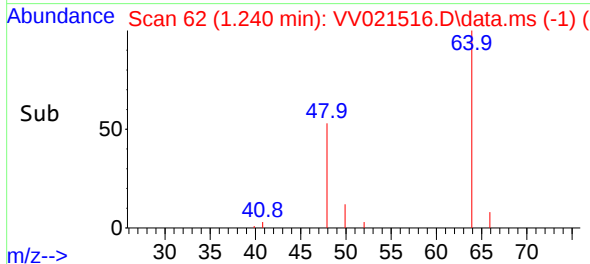
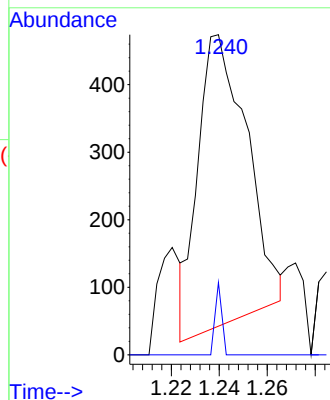
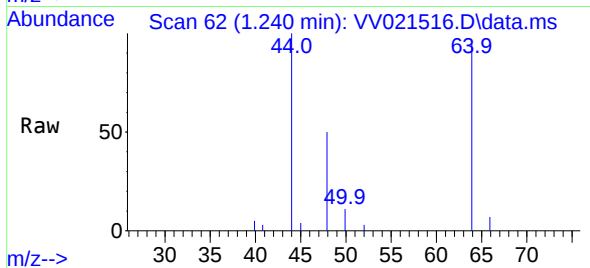
Abundance Scan 62 (1.240 min): VV021493.D\data.ms (-54)



#3
Chloromethane
Concen: 599.858 ug/L
RT: 1.240 min Scan# 62
Delta R.T. -0.000 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

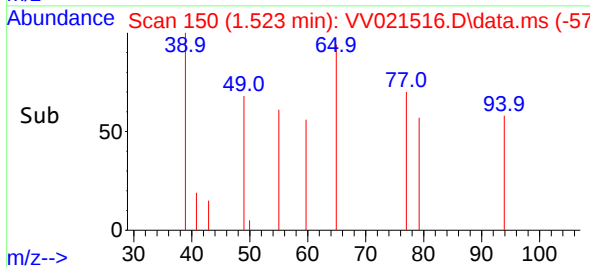
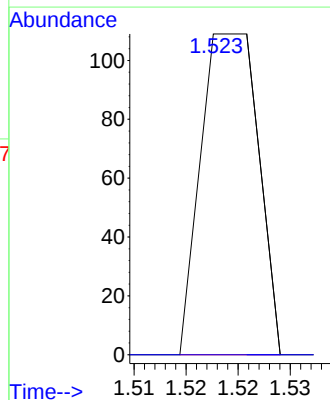
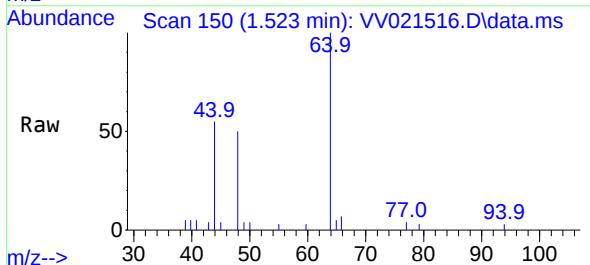
Instrument :
MSVOA_V
ClientSampled :
VBLK21

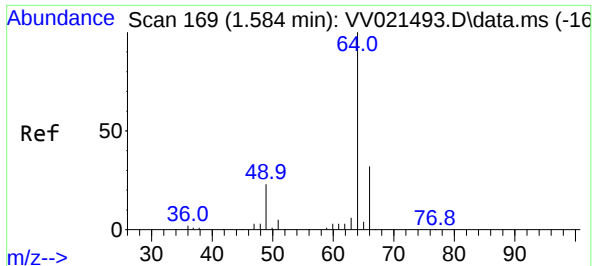
Tgt Ion: 50 Resp: 613
Ion Ratio Lower Upper
50 100
52 22.6 23.3 43.3#



#6
Bromomethane
Concen: 58.473 ug/L
RT: 1.523 min Scan# 150
Delta R.T. -0.000 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Tgt Ion: 94 Resp: 42
Ion Ratio Lower Upper
94 100
96 0.0 65.2 121.0#

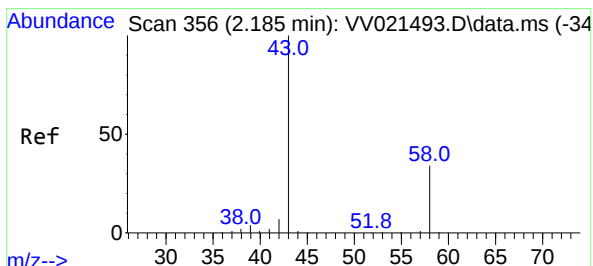
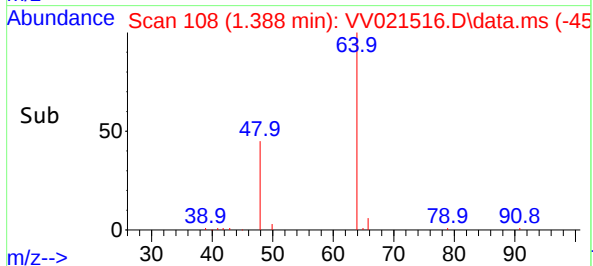
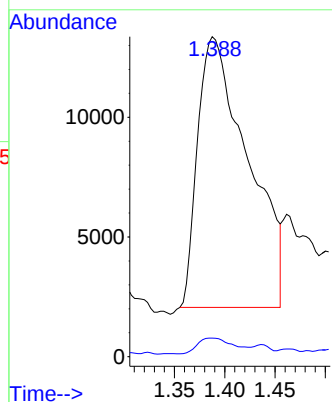
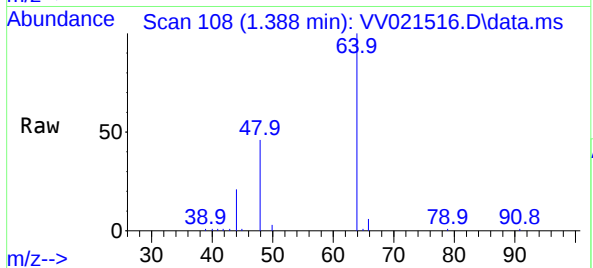




#8
Chloroethane
Concen: 66097.204 ug/L
RT: 1.388 min Scan# 108
Delta R.T. -0.196 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

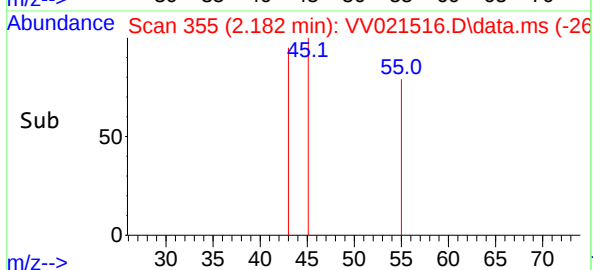
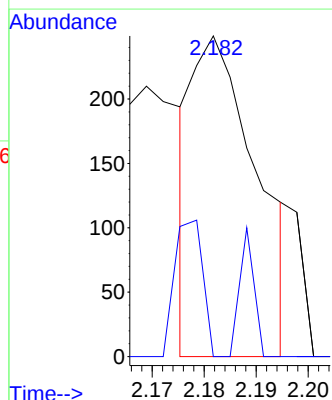
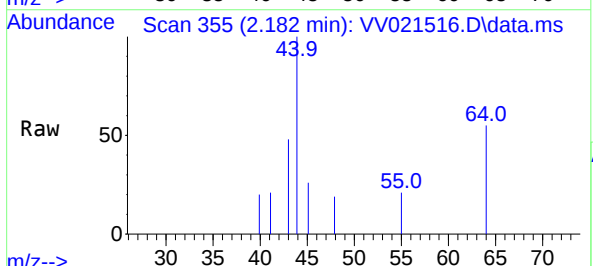
Instrument :
MSVOA_V
ClientSampled :
VBLK21

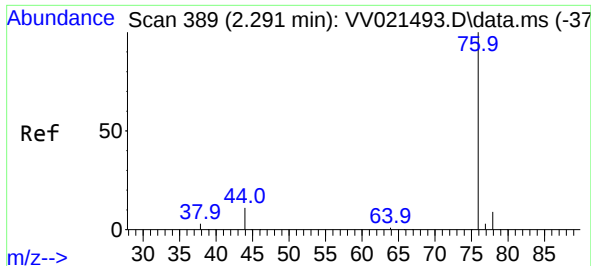
Tgt Ion: 64 Resp: 39415
Ion Ratio Lower Upper
64 100
66 5.8 22.5 41.9#



#13
Acetone
Concen: 354.291 ug/L
RT: 2.182 min Scan# 355
Delta R.T. -0.003 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
58 18.8 0.0 0.2#

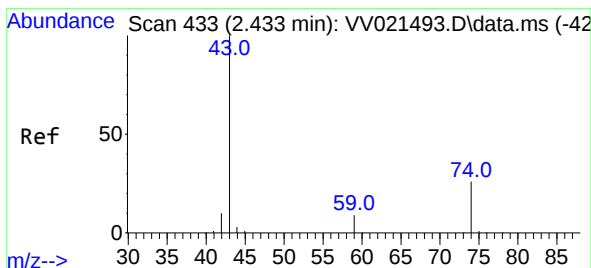
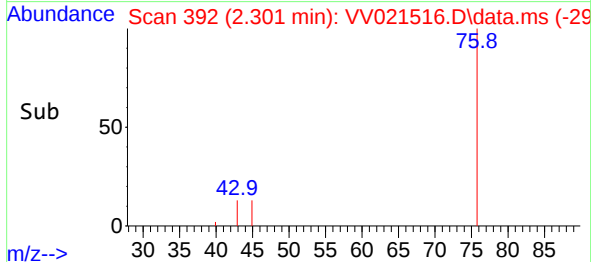
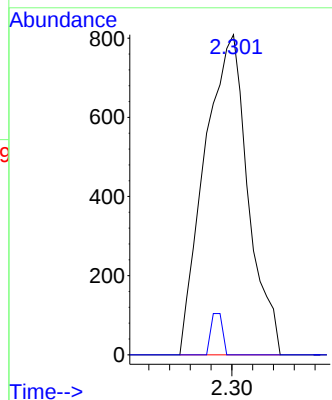
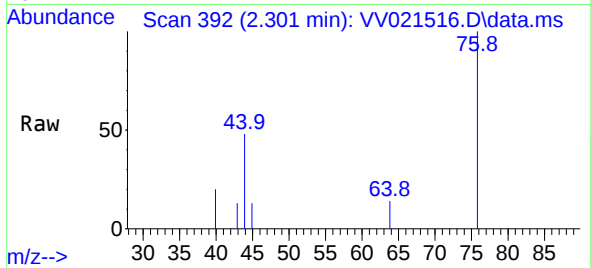




#14
Carbon disulfide
Concen: 429.804 ug/L
RT: 2.301 min Scan# 392
Delta R.T. 0.010 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

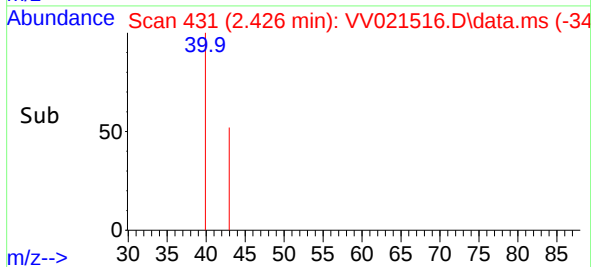
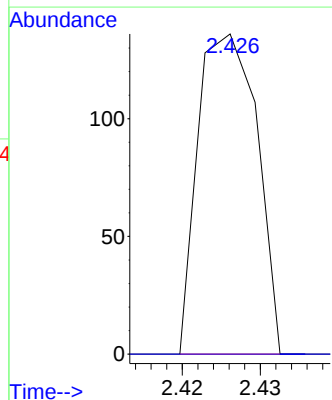
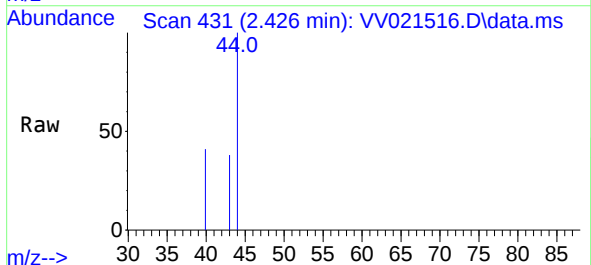
Instrument :
MSVOA_V
ClientSampleId :
VBLK21

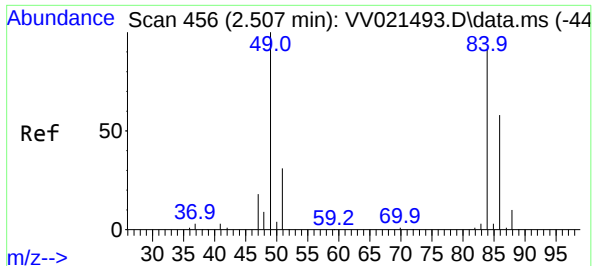
Tgt Ion: 76 Resp: 1177
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#15
Methyl Acetate
Concen: 69.896 ug/L
RT: 2.426 min Scan# 431
Delta R.T. -0.007 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 0.0 20.4 30.6#

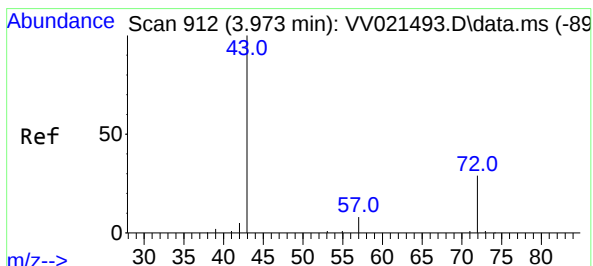
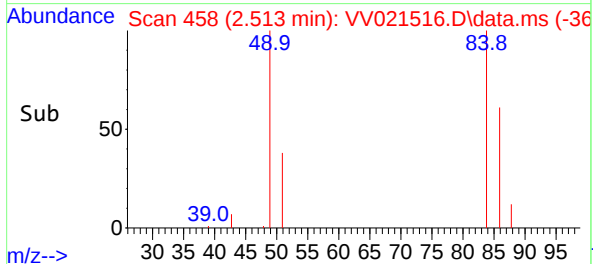
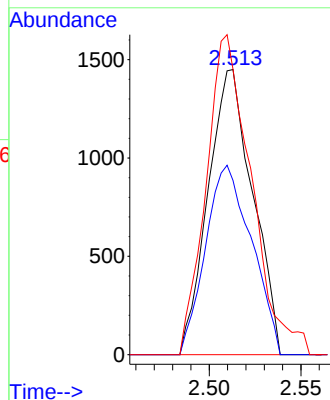
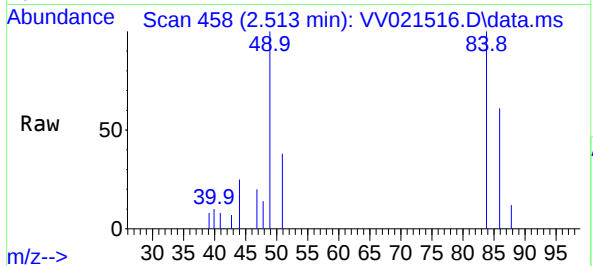




#16
Methylene chloride
Concen: 2251.571 ug/L
RT: 2.513 min Scan# 458
Delta R.T. 0.006 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

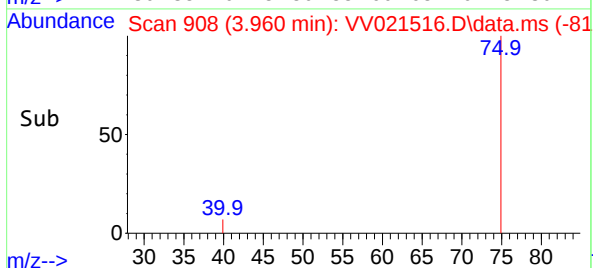
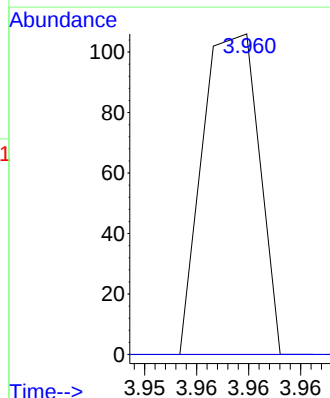
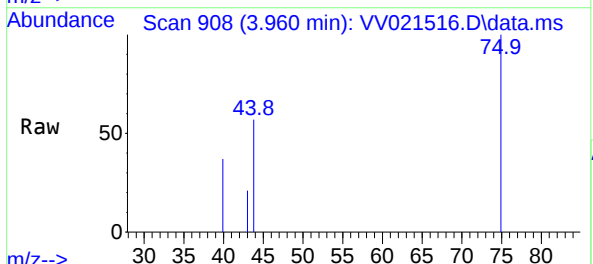
Instrument :
MSVOA_V
ClientSampleId :
VBLK21

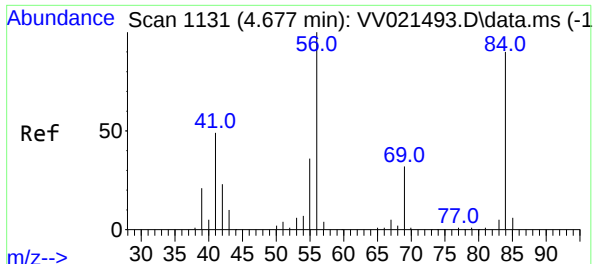
Tgt Ion:	84	Resp:	2450
Ion	Ratio	Lower	Upper
84	100		
86	61.1	44.1	81.9
49	100.1	80.8	150.0



#22
2-Butanone
Concen: 52.522 ug/L
RT: 3.960 min Scan# 908
Delta R.T. -0.013 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Tgt Ion:	43	Resp:	40
Ion	Ratio	Lower	Upper
43	100		
72	0.0	13.1	39.1#





#29

Cyclohexane

Concen: 38.709 ug/L

RT: 4.773 min Scan# 1161

Delta R.T. 0.096 min

Lab File: VV021516.D

Acq: 04 Jun 2021 18:52

Instrument :

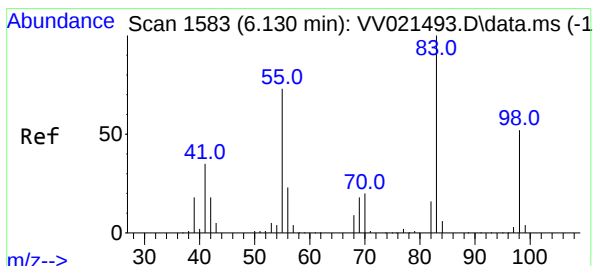
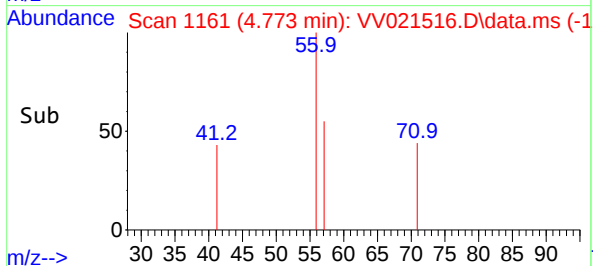
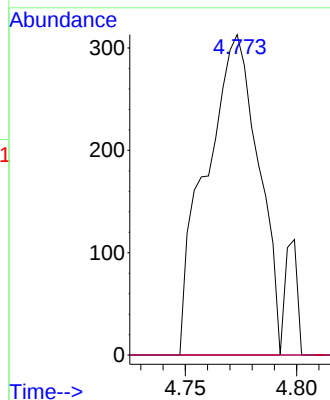
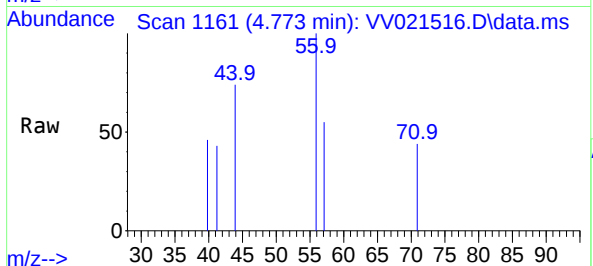
MSVOA_V

ClientSampleId :

VBLK21

Tgt Ion: 56 Resp: 515

Ion	Ratio	Lower	Upper
56	100		
69	0.0	24.9	37.3#
84	0.0	73.7	110.5#



#35

Methylcyclohexane

Concen: 24.961 ug/L

RT: 6.133 min Scan# 1584

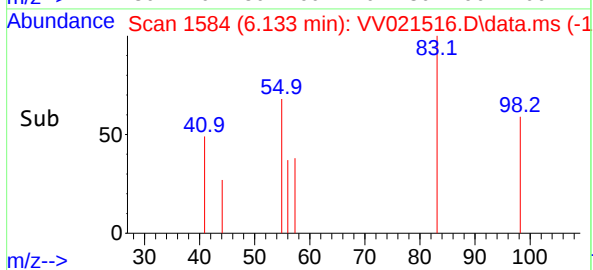
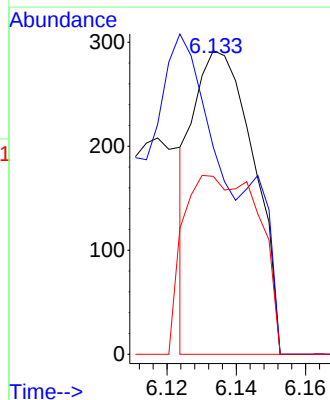
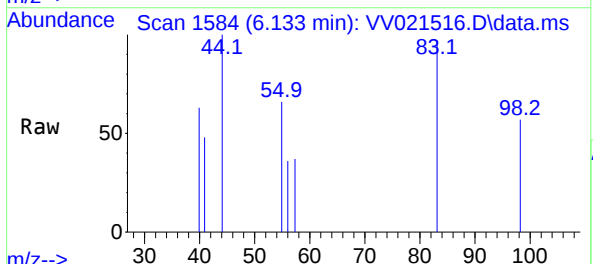
Delta R.T. 0.003 min

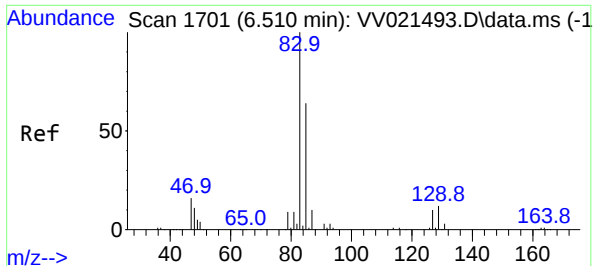
Lab File: VV021516.D

Acq: 04 Jun 2021 18:52

Tgt Ion: 83 Resp: 356

Ion	Ratio	Lower	Upper
83	100		
55	100.6	58.0	87.0#
98	41.9	40.8	61.2



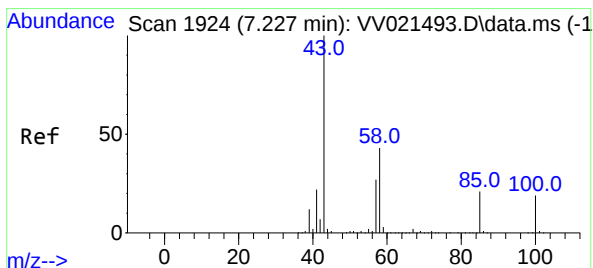
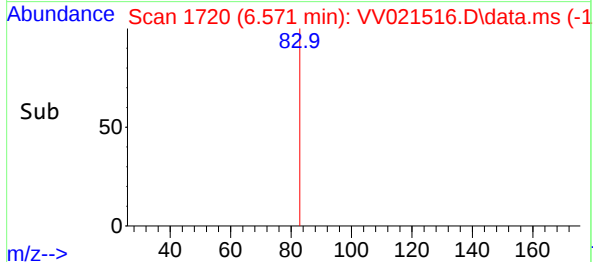
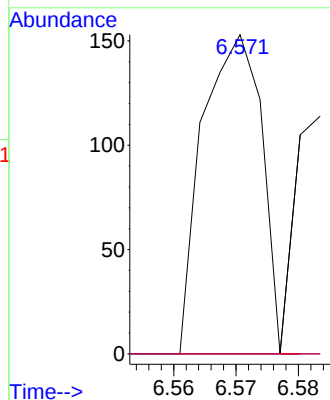
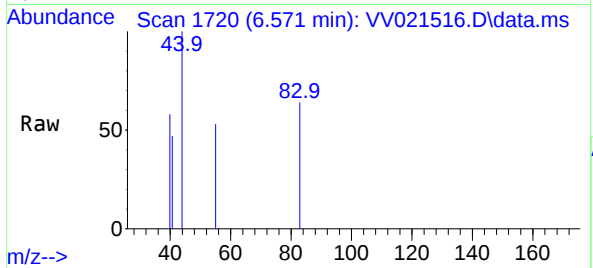


#38
Bromodichloromethane
Concen: 8.636 ug/L
RT: 6.571 min Scan# 1720
Delta R.T. 0.061 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Instrument :
MSVOA_V
ClientSampleId :
VBLK21

Tgt Ion: 83 Resp: 101

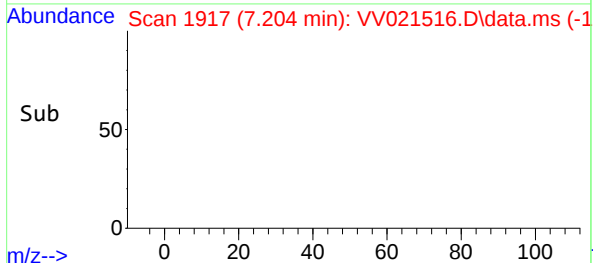
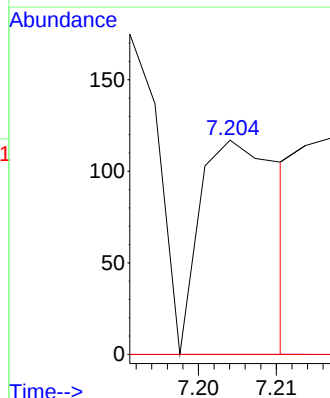
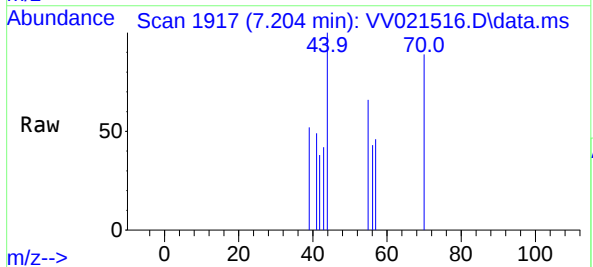
Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.6	82.8#
127	0.0	7.6	11.4#

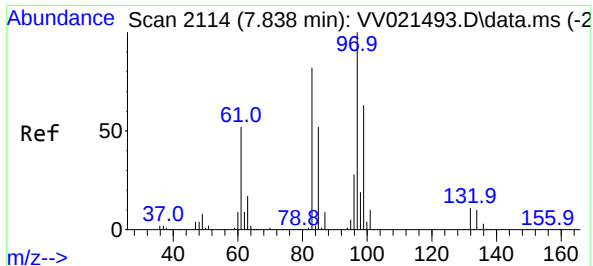


#40
4-Methyl-2-pentanone
Concen: 7.345 ug/L
RT: 7.204 min Scan# 1917
Delta R.T. -0.023 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Tgt Ion: 43 Resp: 83

Ion	Ratio	Lower	Upper
43	100		
58	0.0	33.5	50.3#
100	0.0	14.8	22.2#





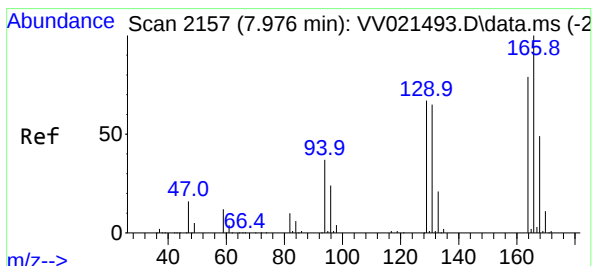
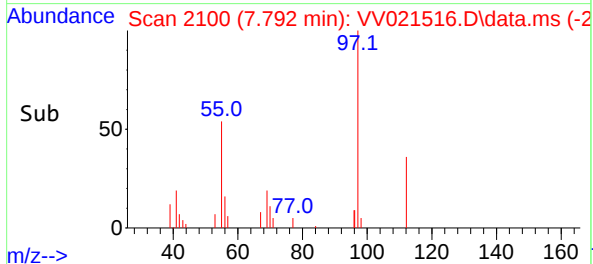
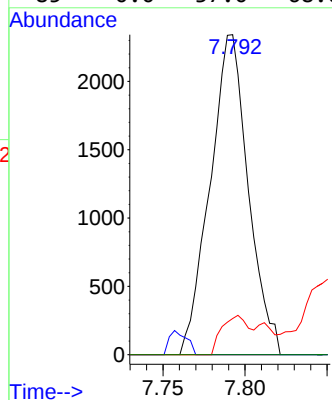
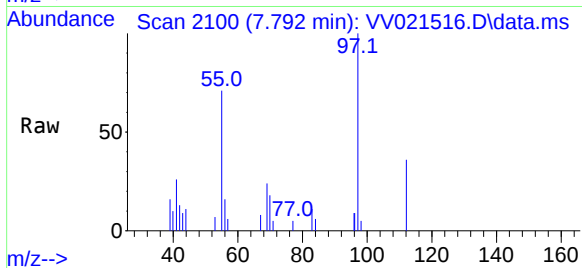
#45

1,1,2-Trichloroethane
Concen: 447.951 ug/L
RT: 7.792 min Scan# 2100
Delta R.T. -0.045 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Instrument :
MSVOA_V
ClientSampleId :
VBLK21

Tgt Ion: 97 Resp: 3789

Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.7	81.1#
83	11.3	57.1	106.1#
85	0.0	37.0	68.6#

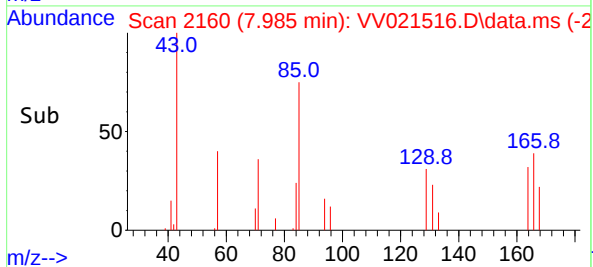
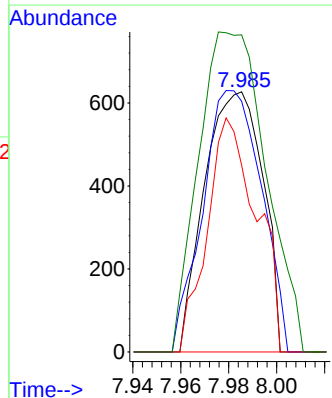
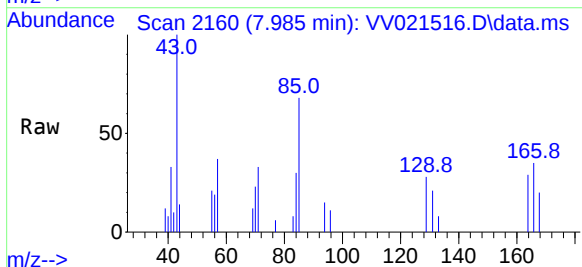


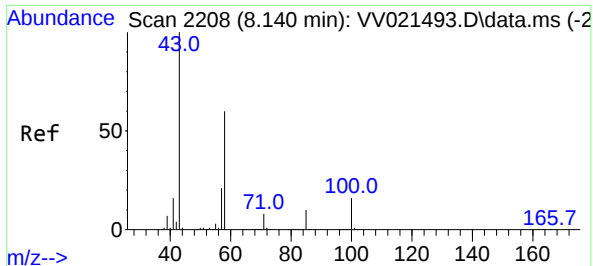
#46

Tetrachloroethene
Concen: 129.152 ug/L
RT: 7.985 min Scan# 2160
Delta R.T. 0.010 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Tgt Ion: 164 Resp: 1055

Ion	Ratio	Lower	Upper
164	100		
129	96.3	60.5	112.3
131	71.8	58.7	108.9
166	121.9	88.1	163.5



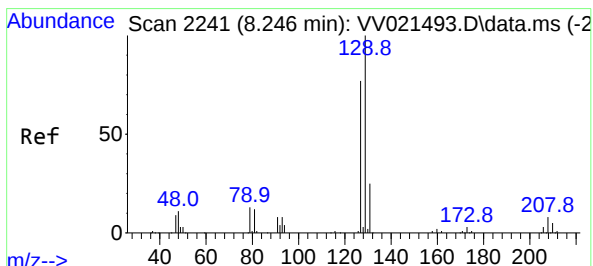
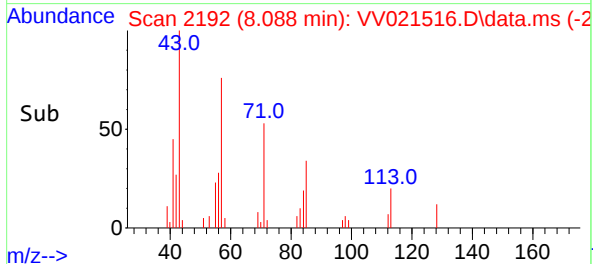
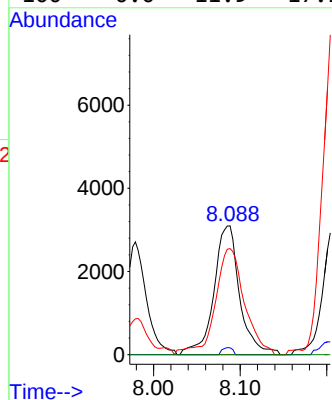
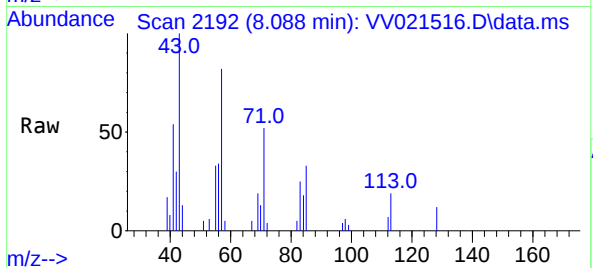


#48
2-Hexanone
Concen: 741.001 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. -0.052 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Instrument :
MSVOA_V
ClientSampled :
VBLK21

Tgt Ion: 43 Resp: 6422

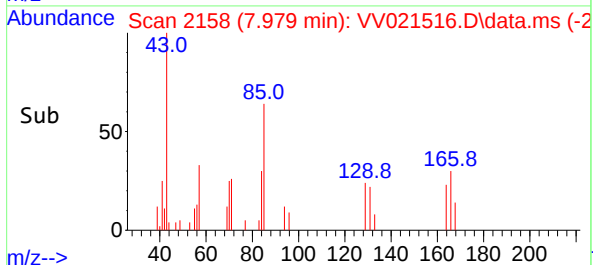
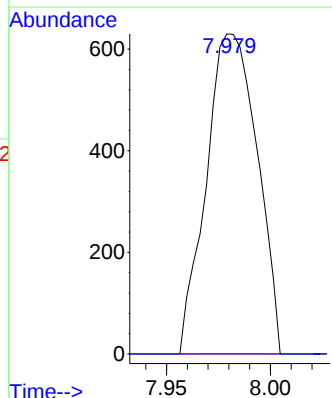
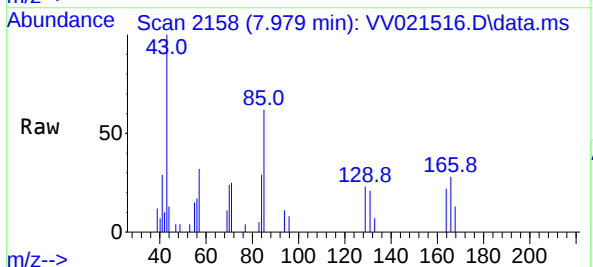
Ion	Ratio	Lower	Upper
43	100		
58	2.2	47.1	70.7#
57	88.6	16.0	24.0#
100	0.0	11.9	17.9#

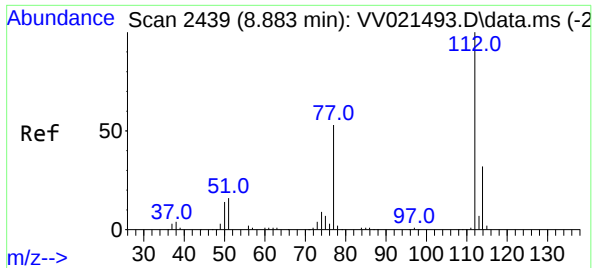


#49
Dibromochloromethane
Concen: 101.494 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.267 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Tgt Ion: 129 Resp: 1075

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.0	98.4#

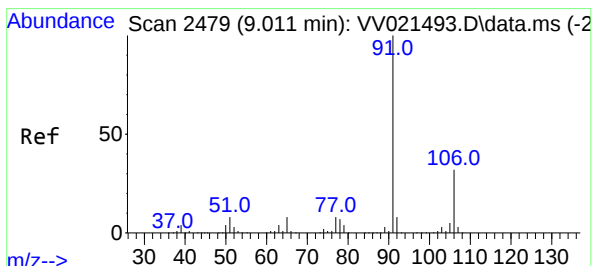
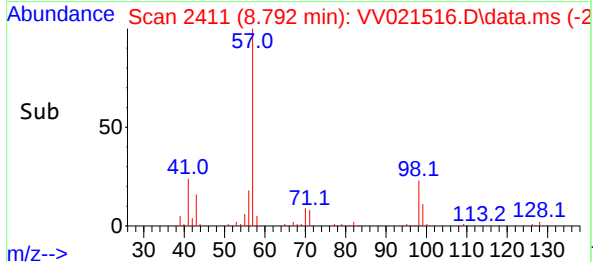
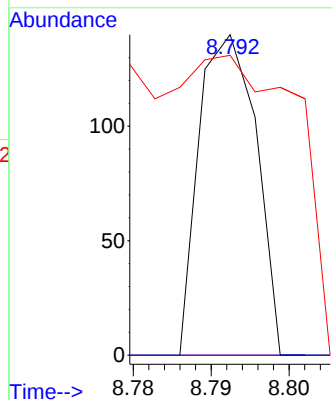
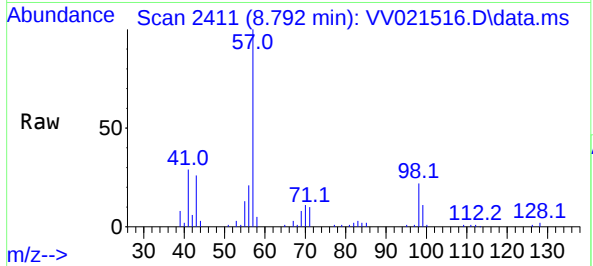




#51
Chlorobenzene
Concen: 2.962 ug/L
RT: 8.792 min Scan# 2411
Delta R.T. -0.090 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

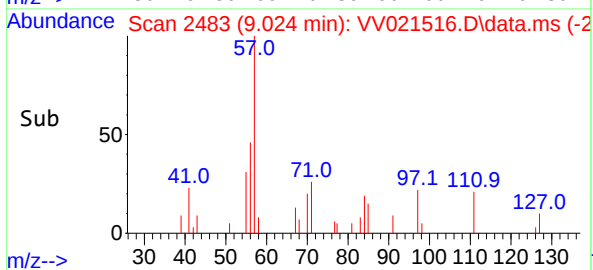
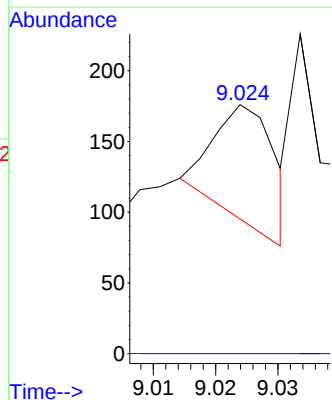
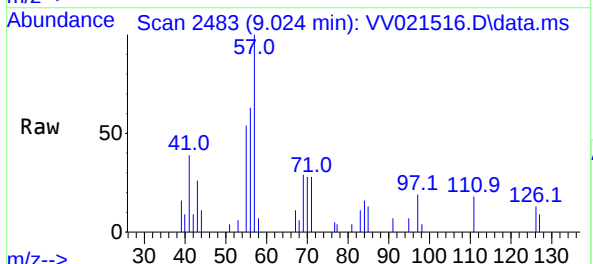
Instrument :
MSVOA_V
ClientSampleId :
VBLK21

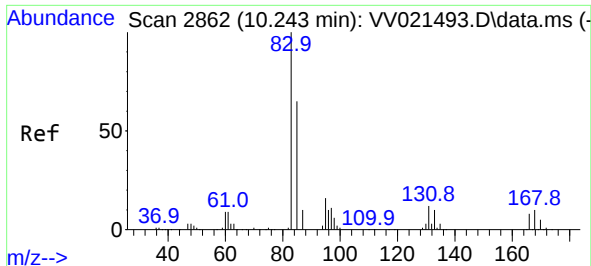
Tgt Ion:112 Resp: 71
Ion Ratio Lower Upper
112 100
114 0.0 22.5 41.9#
77 93.6 43.8 65.6#



#52
Ethylbenzene
Concen: 1.306 ug/L
RT: 9.024 min Scan# 2483
Delta R.T. 0.013 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Tgt Ion: 91 Resp: 52
Ion Ratio Lower Upper
91 100
106 0.0 22.4 41.6#

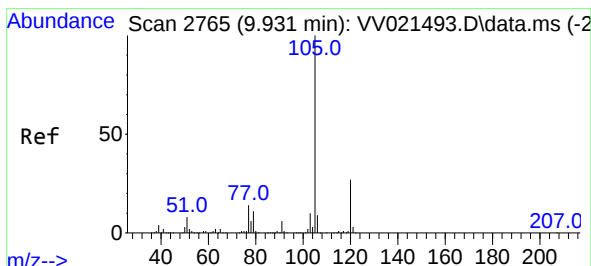
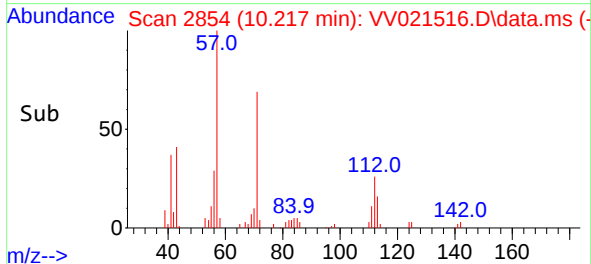
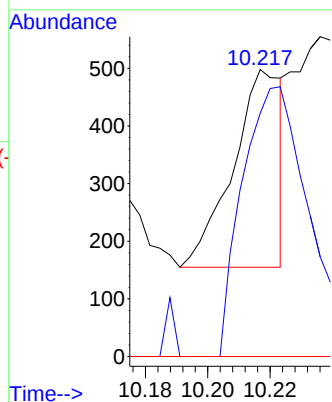
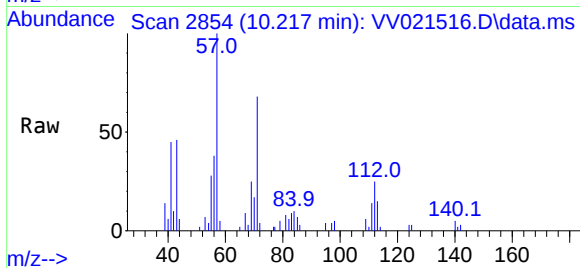




#57
1,1,2,2-Tetrachloroethane
Concen: 28.023 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.026 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

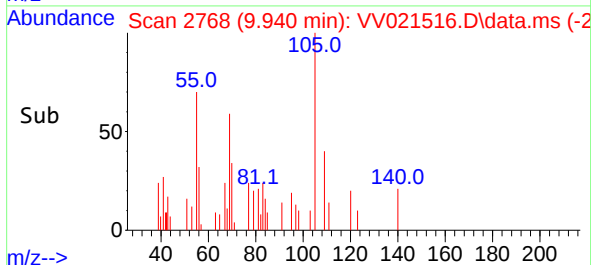
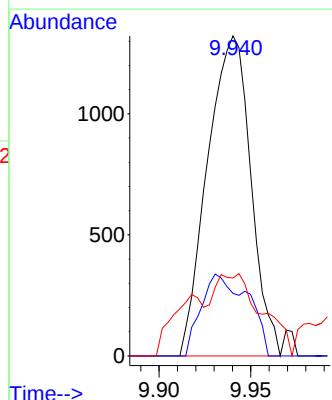
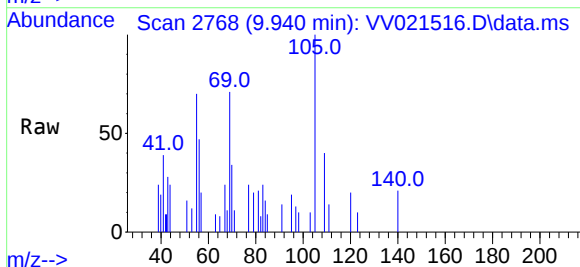
Instrument :
MSVOA_V
ClientSampleId :
VBLK21

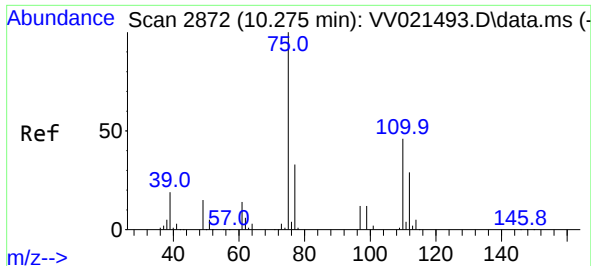
Tgt Ion: 83 Resp: 370
Ion Ratio Lower Upper
83 100
85 84.7 45.8 85.2
131 0.0 8.7 13.1#



#60
Isopropylbenzene
Concen: 20.182 ug/L
RT: 9.940 min Scan# 2768
Delta R.T. 0.010 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Tgt Ion: 105 Resp: 2171
Ion Ratio Lower Upper
105 100
120 20.0 21.7 32.5#
77 4.3 11.5 17.3#

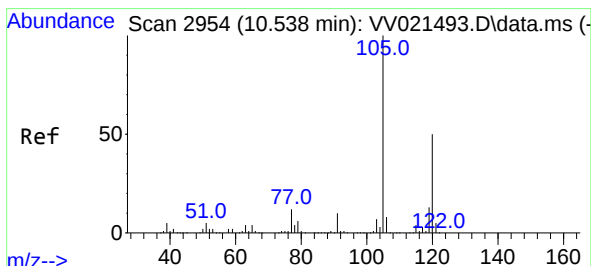
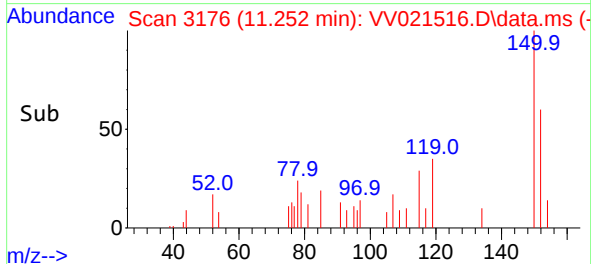
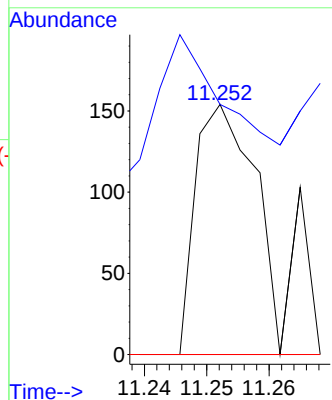
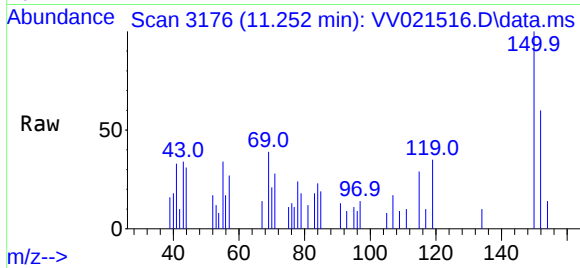




#61
1,2,3-Trichloropropane
Concen: 3.739 ug/L
RT: 11.252 min Scan# 3176
Delta R.T. 0.977 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

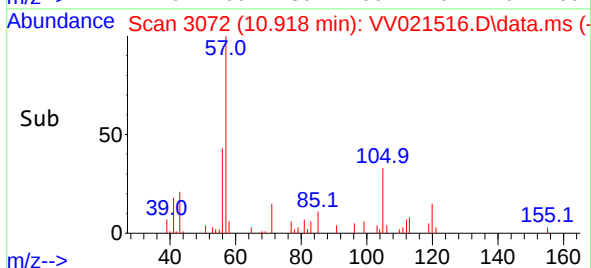
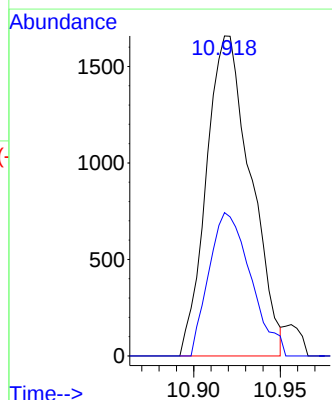
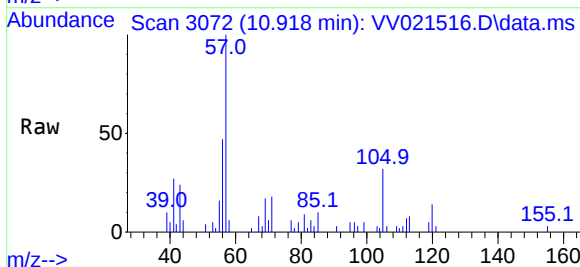
Instrument :
MSVOA_V
ClientSampleId :
VBLK21

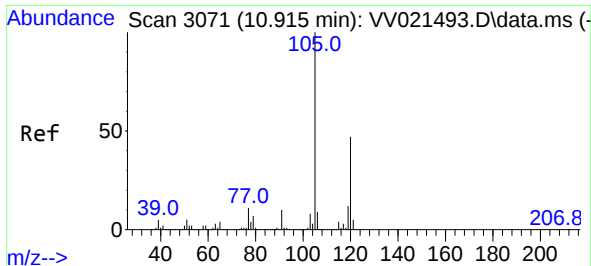
Tgt Ion: 75 Resp: 102
Ion Ratio Lower Upper
75 100
77 63.7 25.9 38.9#
110 0.0 34.8 52.2#



#62
1,3,5-Trimethylbenzene
Concen: 31.909 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.379 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Tgt Ion: 105 Resp: 2955
Ion Ratio Lower Upper
105 100
120 41.4 40.1 60.1

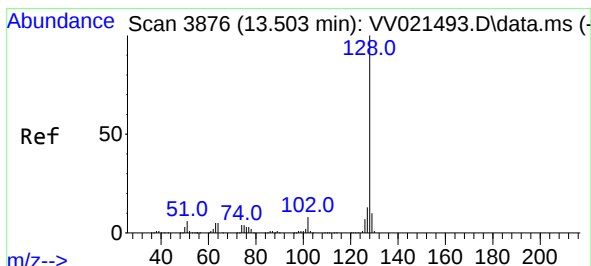
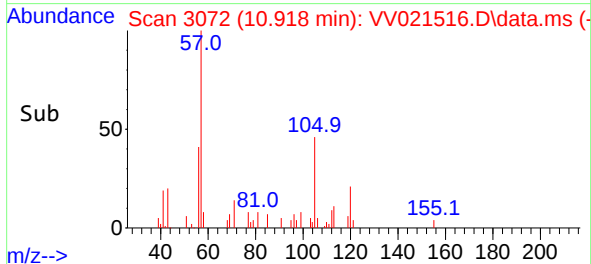
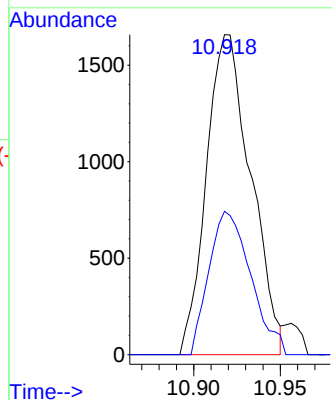
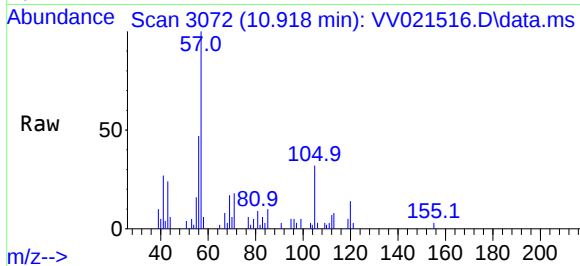




#63
1,2,4-Trimethylbenzene
Concen: 31.587 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Instrument :
MSVOA_V
ClientSampleId :
VBLK21

Tgt Ion:105 Resp: 2955
Ion Ratio Lower Upper
105 100
120 41.4 37.0 55.4



#71
Naphthalene
Concen: 289.773 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. -0.000 min
Lab File: VV021516.D
Acq: 04 Jun 2021 18:52

Tgt Ion:128 Resp: 32731
Ion Ratio Lower Upper
128 100
127 14.8 10.2 15.4
129 13.7 8.6 12.8#

