

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW080221\
 Data File : VW021719.D
 Acq On : 02 Aug 2021 15:05
 Operator : SY/MD
 Sample : M3263-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2021-07

Manual Integrations
 APPROVED

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 8/5/2021 4:10:33 PM

Quant Time: Aug 03 02:13:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 03 02:08:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	430429	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	391954	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	198351	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	124634	46.108	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.220%		
7) Chloroethane-d5	1.558	69	104934	47.068	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.140%		
11) 1,1-Dichloroethene-d2	2.105	63	180719	37.380	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.760%		
21) 2-Butanone-d5	3.870	46	218240	93.989	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.990%		
24) Chloroform-d	4.346	84	263292	45.954	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.900%		
26) 1,2-Dichloroethane-d4	5.030	65	163577	47.740	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.480%		
32) Benzene-d6	5.047	84	550973	49.596	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.200%		
36) 1,2-Dichloropropane-d6	6.069	67	175413	49.817	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.640%		
41) Toluene-d8	7.317	98	504361	49.070	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.140%		
43) trans-1,3-Dichloroprop...	7.622	79	81840	47.104	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.200%		
47) 2-Hexanone-d5	8.088	63	134954	87.898	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.900%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	211987	45.681	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.360%		
66) 1,2-Dichlorobenzene-d4	11.625	152	197609	48.118	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.240%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	5926	2.080	ug/L	93
3) Chloromethane	1.240	50	6019	2.143	ug/L	99
5) Vinyl chloride	1.307	62	6138	2.145	ug/L #	60
6) Bromomethane	1.506	94	4007m	2.547	ug/L	
8) Chloroethane	1.574	64	3897	2.226	ug/L	97
9) Trichlorofluoromethane	1.748	101	8284	1.989	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	6553	2.789	ug/L #	77
12) 1,1-Dichloroethene	2.111	96	5914	2.746	ug/L #	1
13) Acetone	2.159	43	6538	4.292	ug/L	98
14) Carbon disulfide	2.291	76	12087	2.094	ug/L	100
15) Methyl Acetate	2.432	43	6377	2.006	ug/L	90
16) Methylene chloride	2.506	84	9042	3.084	ug/L	95
17) trans-1,2-Dichloroethene	2.764	96	5022	1.976	ug/L	93
18) Methyl tert-butyl Ether	2.767	73	18337	2.048	ug/L	97
19) 1,1-Dichloroethane	3.191	63	9856	1.989	ug/L	88
20) cis-1,2-Dichloroethene	3.915	96	6092	2.024	ug/L	95
22) 2-Butanone	4.011	43	10030m	4.525	ug/L	
23) Bromochloromethane	4.256	128	3147	1.947	ug/L #	89
25) Chloroform	4.378	83	13466	2.589	ug/L	94

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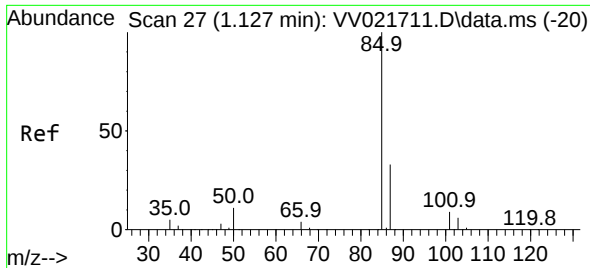
Manual Integrations
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Quant Time: Aug 03 02:13:04 2021
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 Quant Title : VOC Analysis
 QLast Update : Tue Aug 03 02:08:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.140	62	8362m	2.274	ug/L	
29) Cyclohexane	4.677	56	8066	2.057	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	9020	2.039	ug/L	99
31) Carbon tetrachloride	4.831	117	7156	1.880	ug/L	95
33) Benzene	5.104	78	21656m	2.055	ug/L	
34) Trichloroethene	5.918	95	6562	2.197	ug/L	94
35) Methylcyclohexane	6.133	83	8162	2.005	ug/L	97
37) 1,2-Dichloropropane	6.182	63	6361	2.265	ug/L #	88
38) Bromodichloromethane	6.516	83	7375	1.923	ug/L	99
39) cis-1,3-Dichloropropene	7.034	75	8833	1.985	ug/L	98
40) 4-Methyl-2-pentanone	7.233	43	15806	3.863	ug/L	96
42) Toluene	7.394	91	30172	2.655	ug/L	95
44) trans-1,3-Dichloropropene	7.657	75	8848	2.074	ug/L	100
45) 1,1,2-Trichloroethane	7.847	97	5831	2.039	ug/L	96
46) Tetrachloroethene	7.979	164	4452	2.017	ug/L	99
48) 2-Hexanone	8.143	43	25899	8.259	ug/L #	86
49) Dibromochloromethane	8.252	129	6138	1.884	ug/L	98
50) 1,2-Dibromoethane	8.358	107	6114	2.012	ug/L #	96
51) Chlorobenzene	8.886	112	15690	2.066	ug/L	99
52) Ethylbenzene	9.017	91	24842	2.013	ug/L	98
53) m,p-Xylene	9.143	106	9960	2.080	ug/L	99
54) o-Xylene	9.548	106	9953	2.065	ug/L	89
55) Styrene	9.567	104	14450	1.790	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.239	83	9278	2.173	ug/L #	96
59) Bromoform	9.738	173	4014	1.750	ug/L	90
60) Isopropylbenzene	9.937	105	24375	1.989	ug/L	98
61) 1,2,3-Trichloropropane	10.275	75	7213	2.046	ug/L	96
62) 1,3,5-Trimethylbenzene	10.541	105	20158	1.943	ug/L	100
63) 1,2,4-Trimethylbenzene	10.918	105	21158	2.004	ug/L	100
64) 1,3-Dichlorobenzene	11.188	146	11780	1.995	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	12476	2.100	ug/L	97
67) 1,2-Dichlorobenzene	11.644	146	12588	2.087	ug/L #	94
68) 1,2-Dibromo-3-chloropr...	12.429	75	1450	1.562	ug/L	93
69) 1,3,5-Trichlorobenzene	12.651	180	7469	1.700	ug/L	98
70) 1,2,4-trichlorobenzene	13.268	180	5427	1.465	ug/L	95
71) Naphthalene	13.509	128	13335	1.243	ug/L	99
72) 1,2,3-Trichlorobenzene	13.750	180	5535	1.504	ug/L	99

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



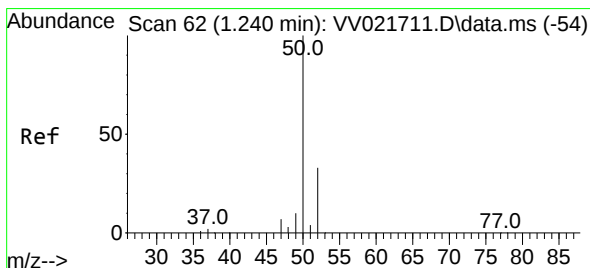
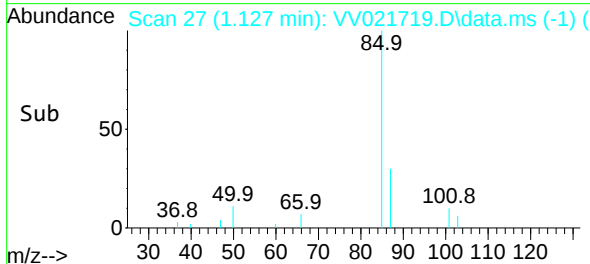
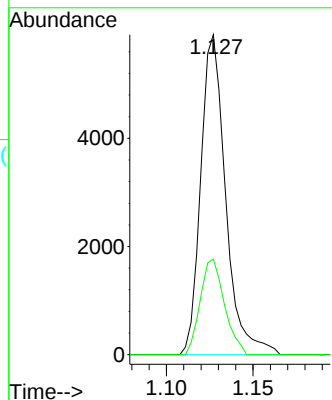
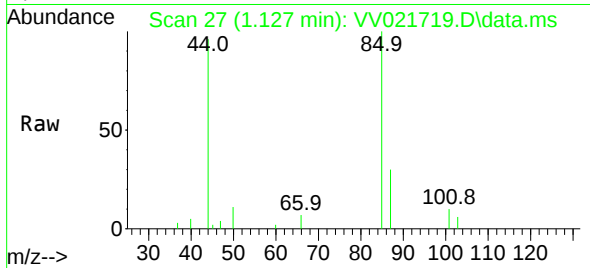
#2
Dichlorodifluoromethane
Concen: 2.080 ug/L
RT: 1.127 min Scan# 27
Delta R.T. -0.000 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 85 Resp: 5926
Ion Ratio Lower Upper
85 100
87 29.0 26.2 39.4

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

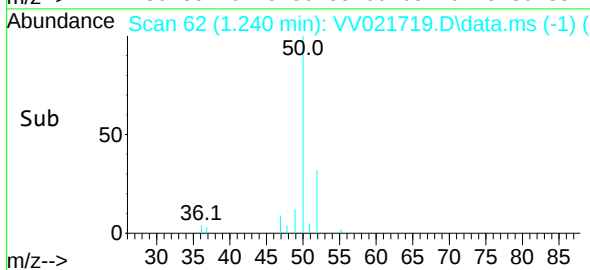
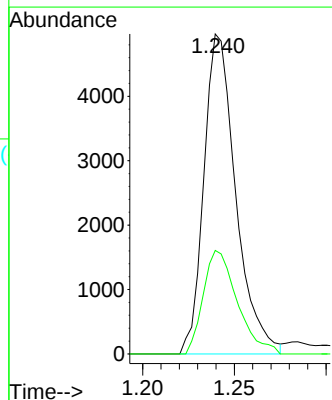
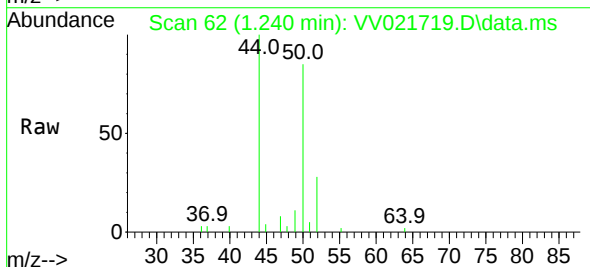
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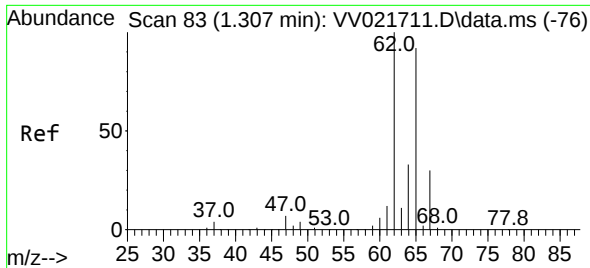
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#3
Chloromethane
Concen: 2.143 ug/L
RT: 1.240 min Scan# 62
Delta R.T. -0.000 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 50 Resp: 6019
Ion Ratio Lower Upper
50 100
52 32.4 23.1 42.9





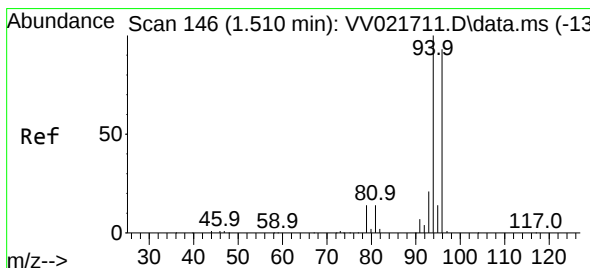
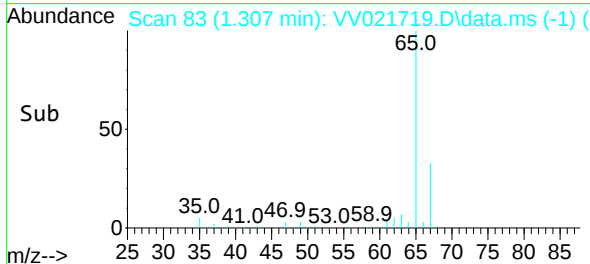
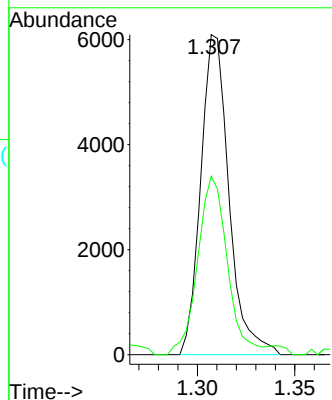
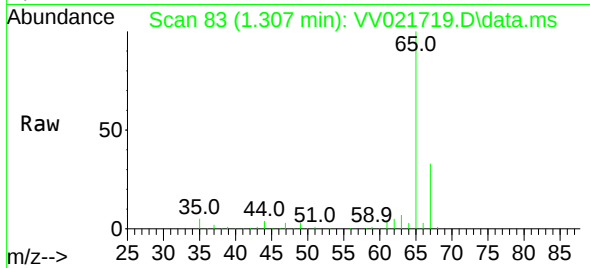
#5
 Vinyl chloride
 Concen: 2.145 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV021719.D
 Acq: 02 Aug 2021 15:05

Tgt Ion: 62 Resp: 6138
 Ion Ratio Lower Upper
 62 100
 64 55.8 23.2 43.2#

Instrument :
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 ClientSampleId :
 MDL-WATER-QT4-2021-07

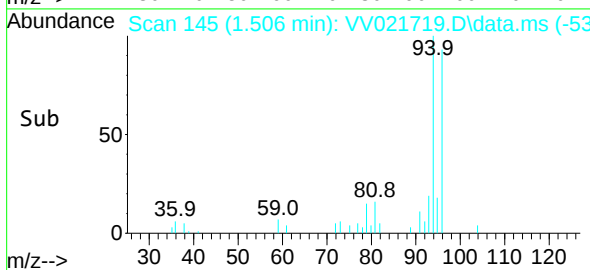
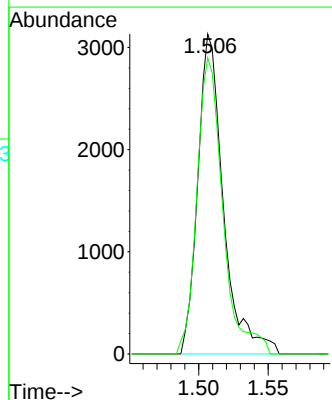
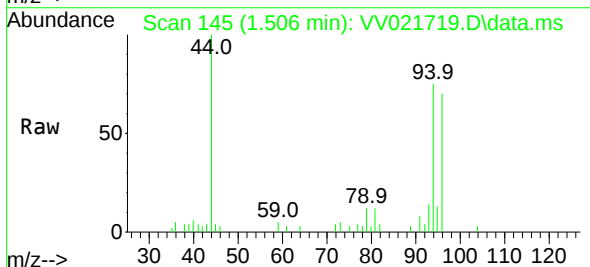
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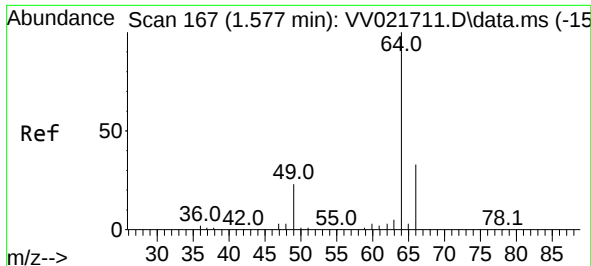
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#6
 Bromomethane
 Concen: 2.547 ug/L m
 RT: 1.506 min Scan# 145
 Delta R.T. -0.003 min
 Lab File: VV021719.D
 Acq: 02 Aug 2021 15:05

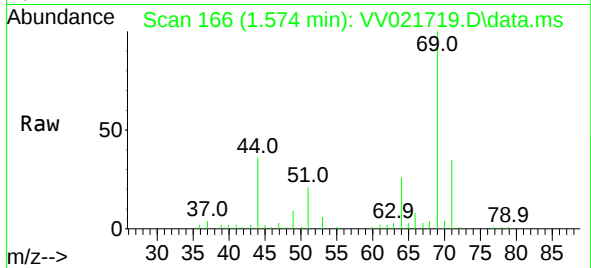
Tgt Ion: 94 Resp: 4007
 Ion Ratio Lower Upper
 94 100
 96 92.5 65.4 121.4



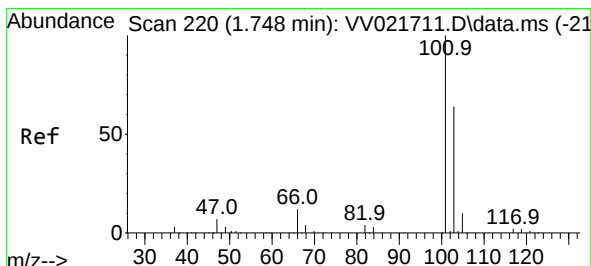
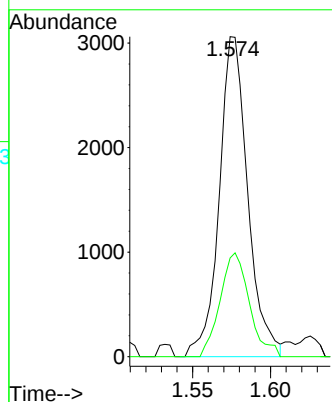
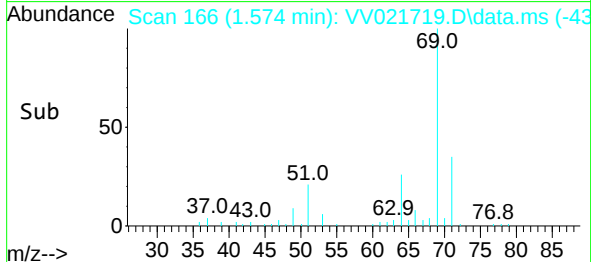


#8
Chloroethane
Concen: 2.226 ug/L
RT: 1.574 min Scan# 166
Delta R.T. -0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

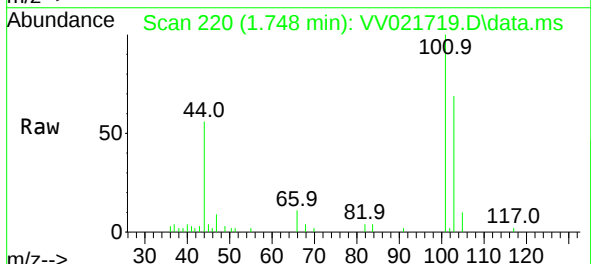
Instrument :
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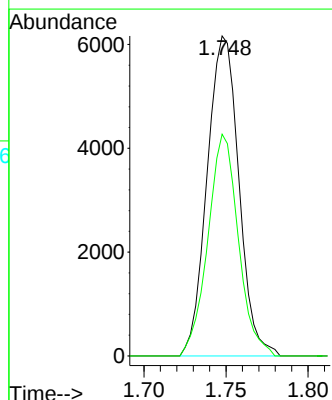
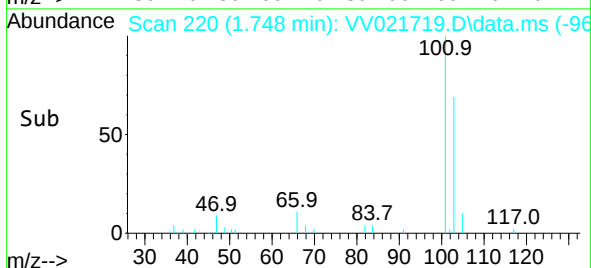
Tgt Ion: 64 Resp: 3897
Ion Ratio Lower Upper
64 100
66 30.9 22.9 42.5

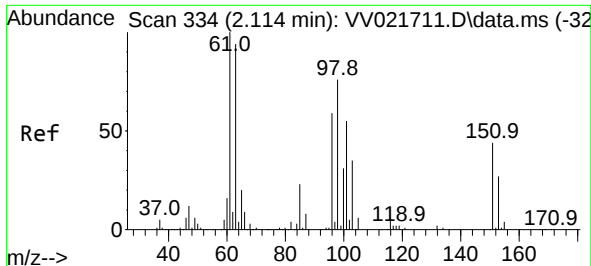


#9
Trichlorofluoromethane
Concen: 1.989 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.000 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05



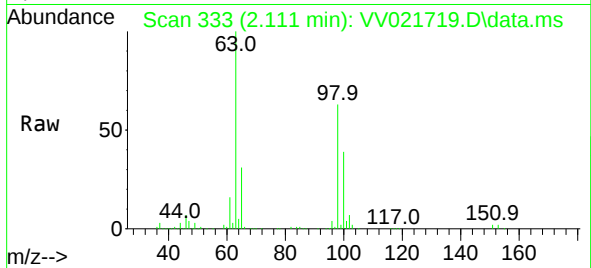
Tgt Ion: 101 Resp: 8284
Ion Ratio Lower Upper
101 100
103 66.6 51.5 77.3





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.789 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

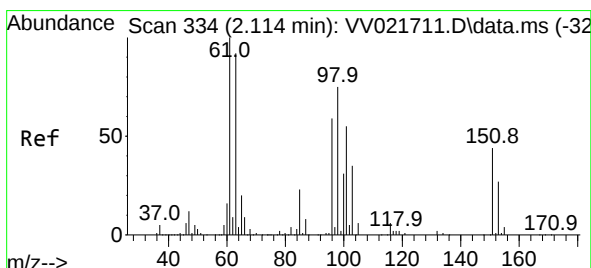
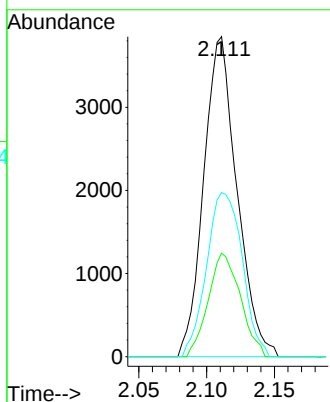
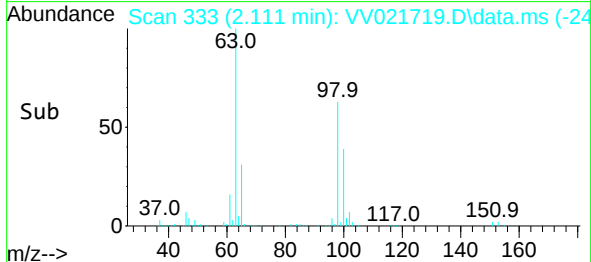
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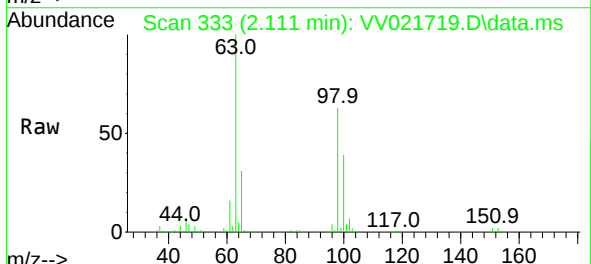
Tgt Ion:101 Resp: 6553
Ion Ratio Lower Upper
101 100
85 31.3 33.7 50.5#
151 55.2 62.7 94.1#

Manual Integrations
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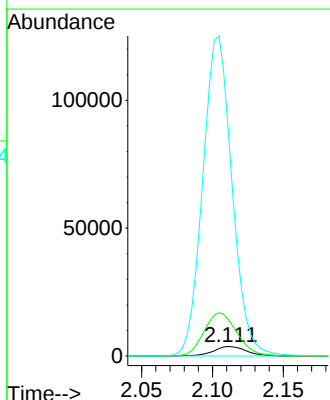
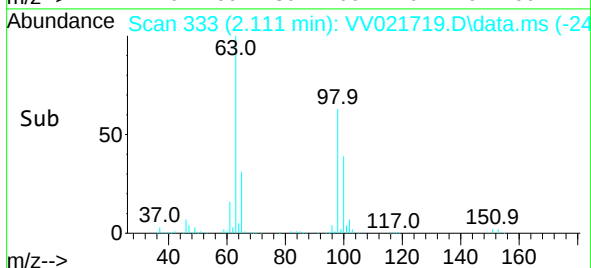
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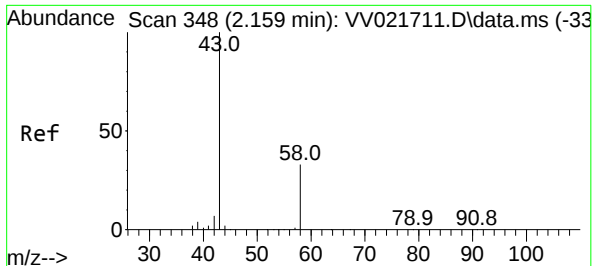


#12
1,1-Dichloroethene
Concen: 2.746 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05



Tgt Ion: 96 Resp: 5914
Ion Ratio Lower Upper
96 100
61 386.4 118.2 219.4#
63 2391.8 110.9 205.9#





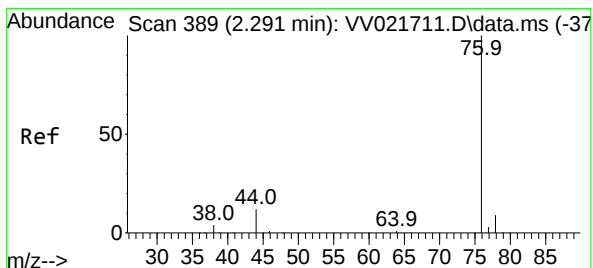
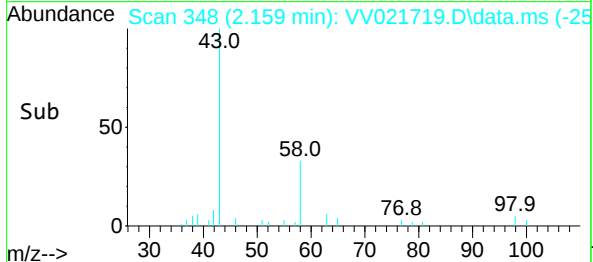
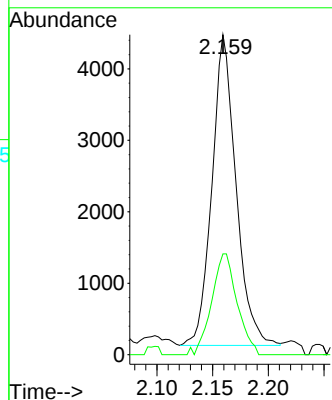
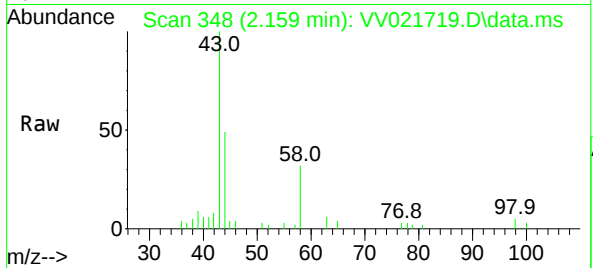
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Acetone
Concen: 4.292 ug/L
RT: 2.159 min Scan# 348
Delta R.T. -0.000 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.0	0.0	66.2

Instrument :
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MDL-WATER-QT4-2021-07

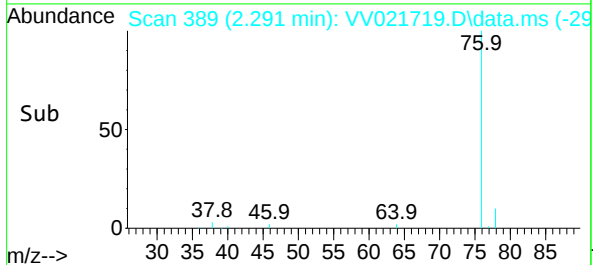
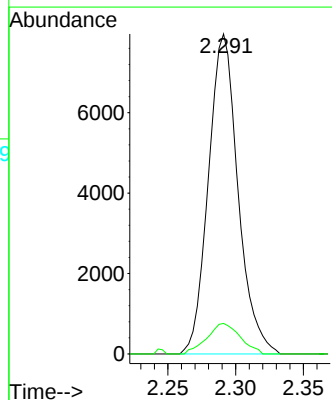
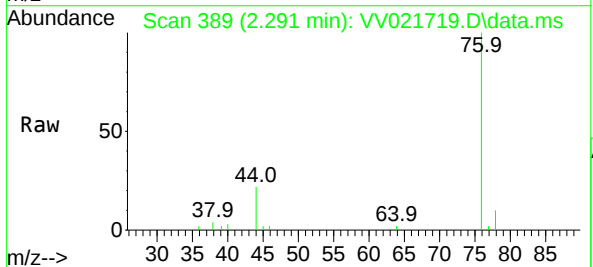
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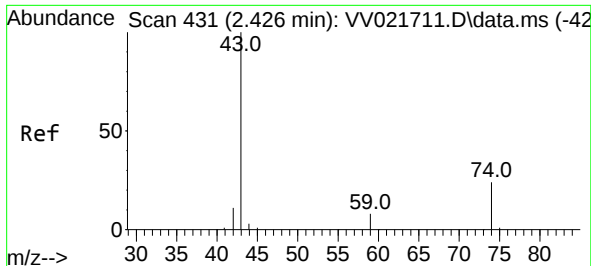
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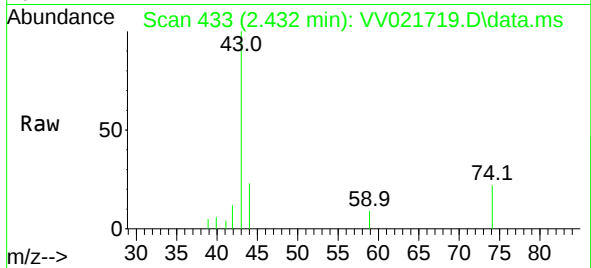
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Carbon disulfide
Concen: 2.094 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.000 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.6	11.4

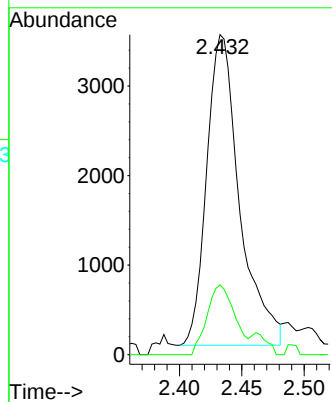
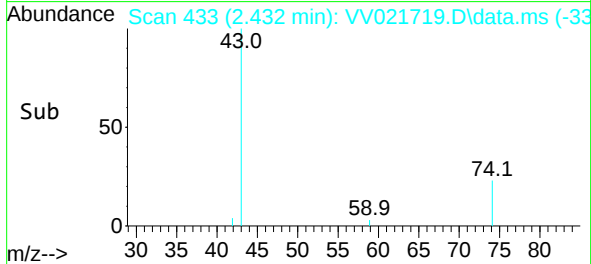




#15
Methyl Acetate
Concen: 2.006 ug/L
RT: 2.432 min Scan# 433
Delta R.T. 0.006 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05



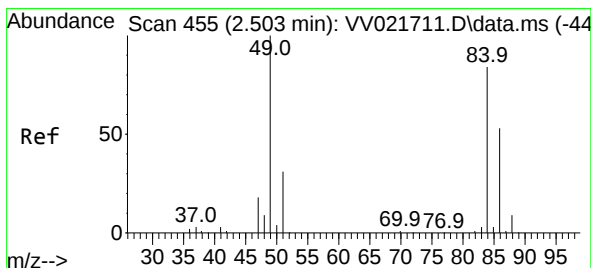
Tgt Ion: 43 Resp: 6377
Ion Ratio Lower Upper
43 100
74 19.0 19.0 28.4



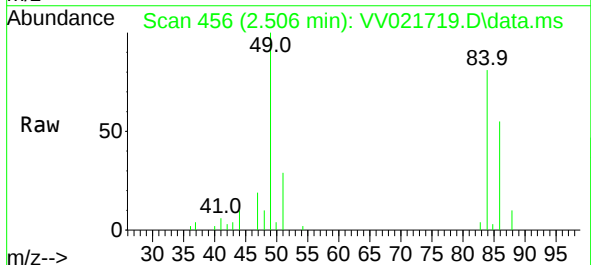
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

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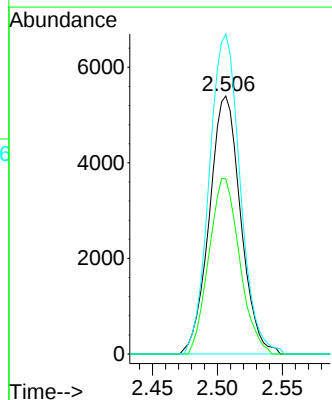
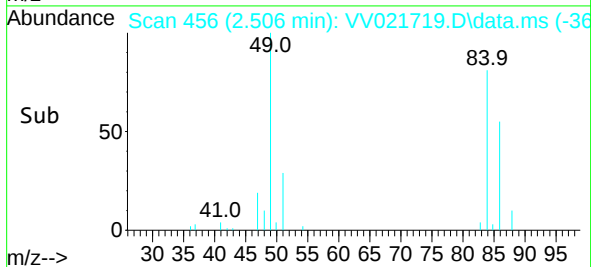
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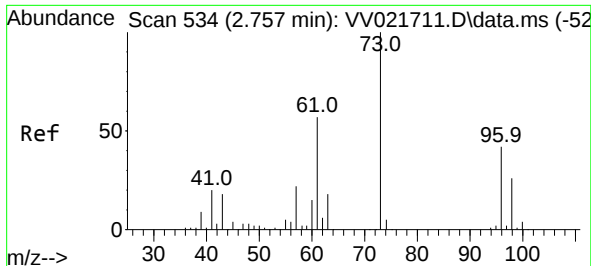


#16
Methylene chloride
Concen: 3.084 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05



Tgt Ion: 84 Resp: 9042
Ion Ratio Lower Upper
84 100
86 67.9 44.2 82.2
49 124.0 83.4 155.0





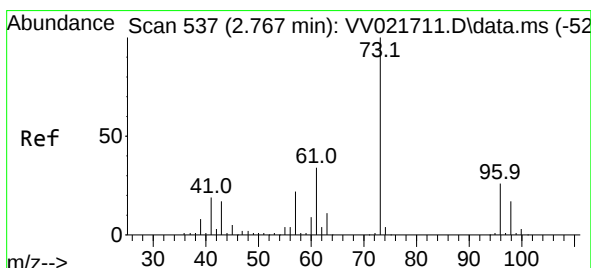
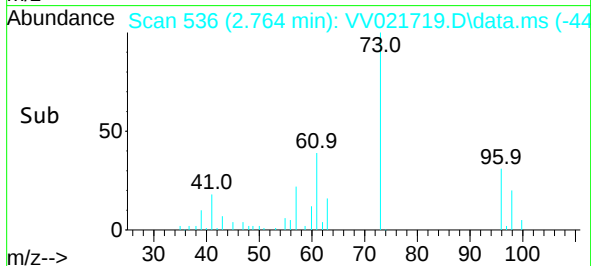
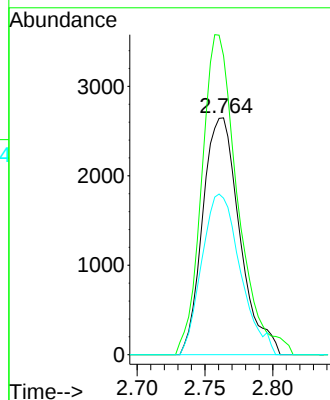
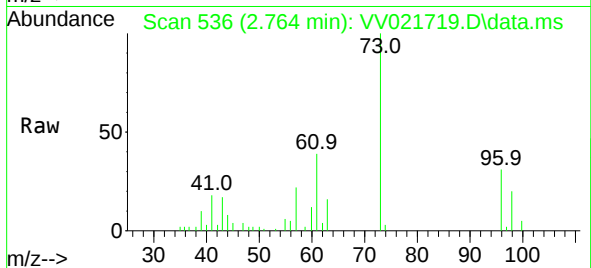
#17
trans-1,2-Dichloroethene
Concen: 1.976 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 96 Resp: 5022
Ion Ratio Lower Upper
96 100
61 126.3 95.1 176.7
98 66.1 43.8 81.3

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

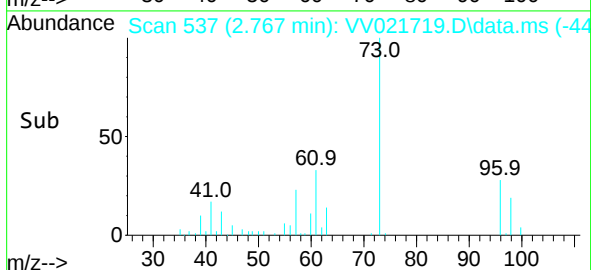
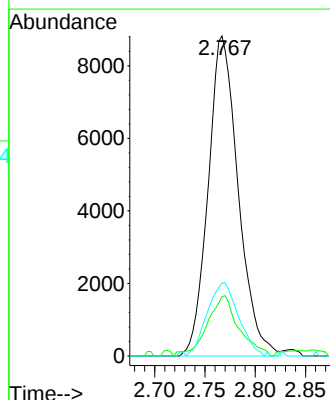
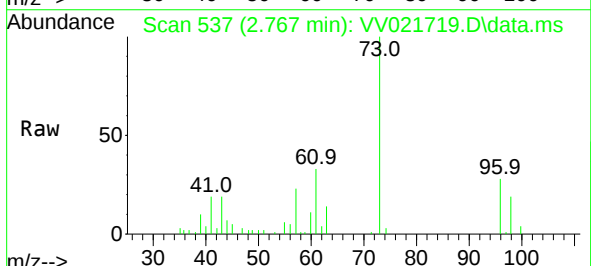
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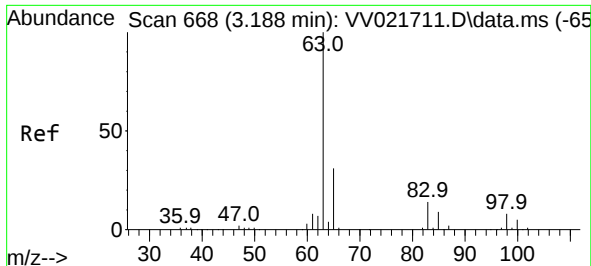
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#18
Methyl tert-butyl Ether
Concen: 2.048 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.000 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 73 Resp: 18337
Ion Ratio Lower Upper
73 100
43 19.2 14.3 21.5
57 23.7 17.7 26.5





#19

1,1-Dichloroethane

Concen: 1.989 ug/L

RT: 3.191 min Scan# 669

Delta R.T. 0.003 min

Lab File: VV021719.D

Acq: 02 Aug 2021 15:05

Tgt Ion:	63	Resp:	9856
Ion Ratio	Lower	Upper	
63	100		
65	39.7	22.0	41.0
83	15.9	9.7	18.1

Instrument :

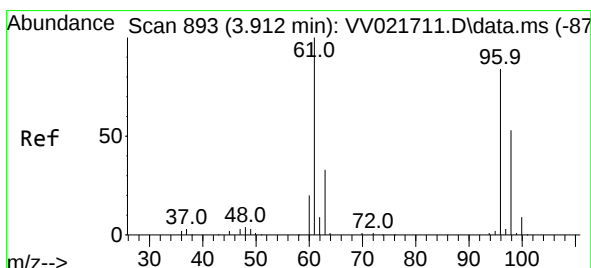
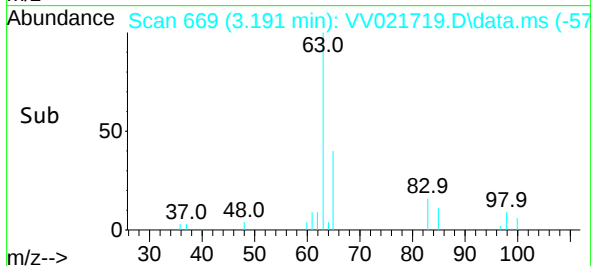
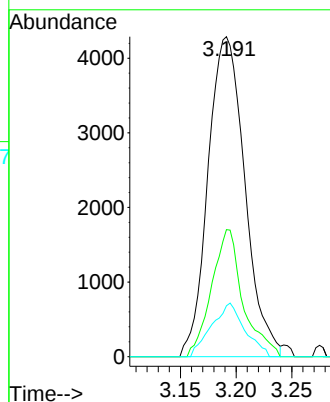
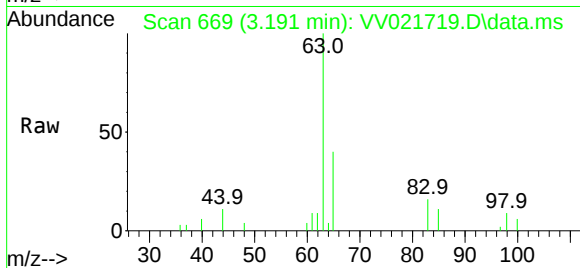
MSVOA_V

ClientSampleId :

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#20

cis-1,2-Dichloroethene

Concen: 2.024 ug/L

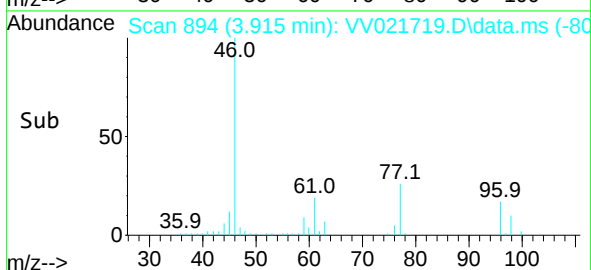
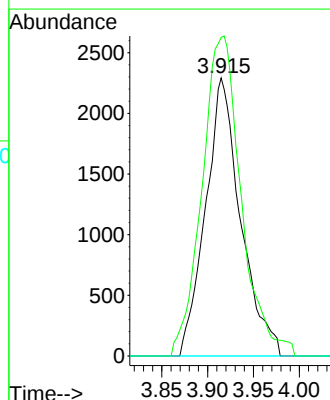
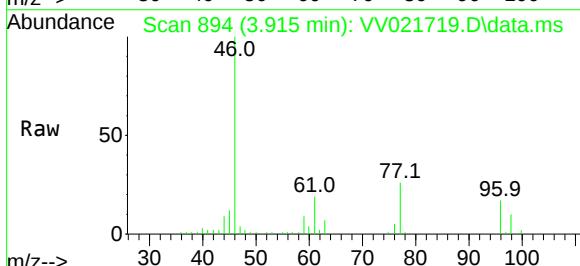
RT: 3.915 min Scan# 894

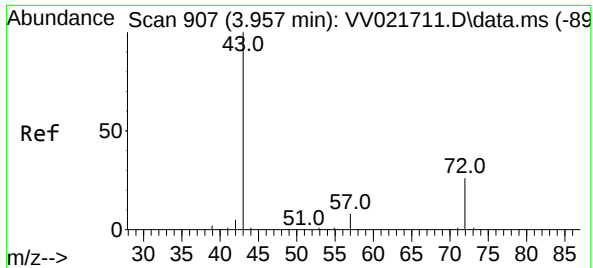
Delta R.T. 0.003 min

Lab File: VV021719.D

Acq: 02 Aug 2021 15:05

Tgt Ion:	96	Resp:	6092
Ion Ratio	Lower	Upper	
96	100		
61	114.6	84.1	156.3
68	0.0	0.0	0.0





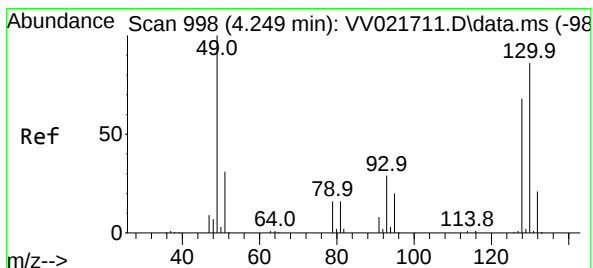
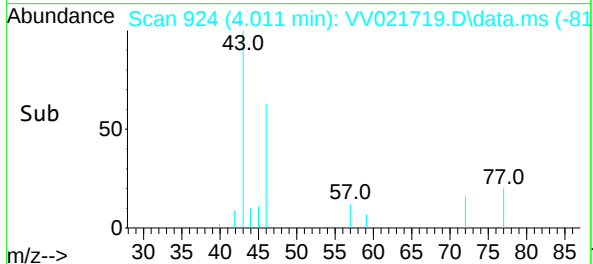
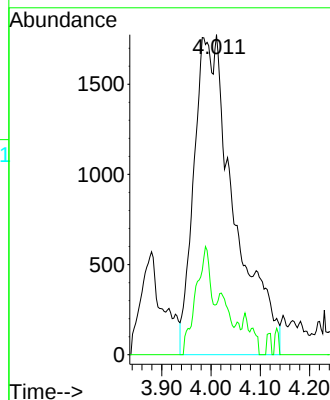
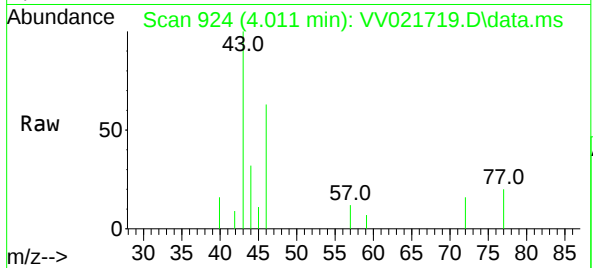
#22
2-Butanone
Concen: 4.525 ug/L m
RT: 4.011 min Scan# 924
Delta R.T. 0.054 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 43 Resp: 10030
Ion Ratio Lower Upper
43 100
72 13.1 13.8 41.4#

Instrument :
MSVOA_V
ClientSampleId :
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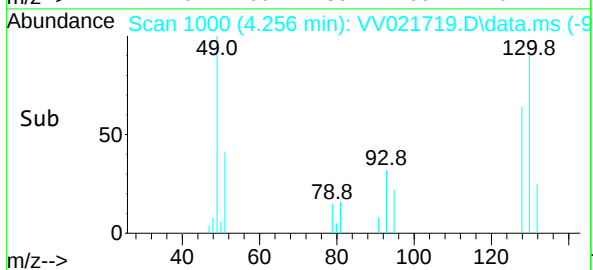
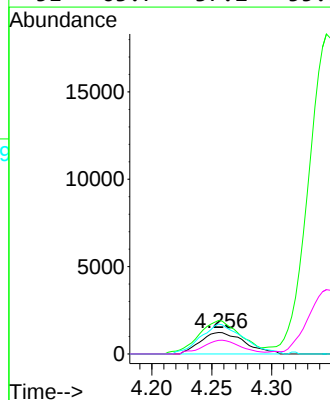
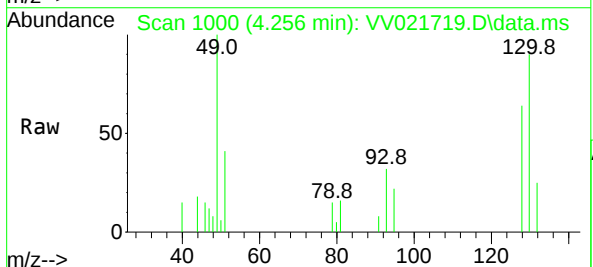
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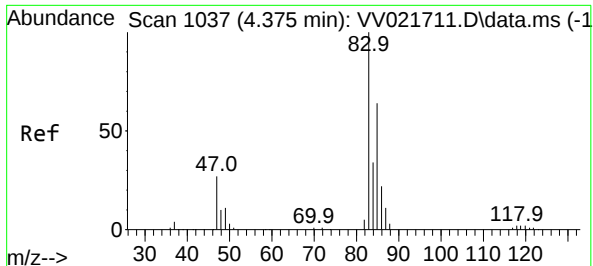
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#23
Bromochloromethane
Concen: 1.947 ug/L
RT: 4.256 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 128 Resp: 3147
Ion Ratio Lower Upper
128 100
49 156.6 103.6 192.4
130 140.3 88.8 165.0
51 63.7 37.2 55.8#





#25

Chloroform

Concen: 2.589 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.003 min

Lab File: VV021719.D

Acq: 02 Aug 2021 15:05

Tgt Ion: 83 Resp: 13466

Ion Ratio Lower Upper

83 100

85 68.8 45.0 83.6

Instrument :

MSVOA_V

ClientSampleId :

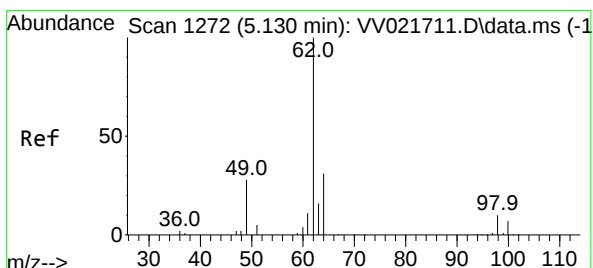
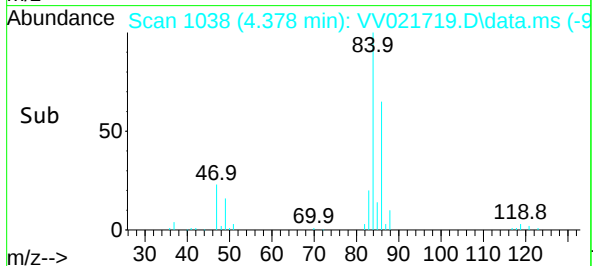
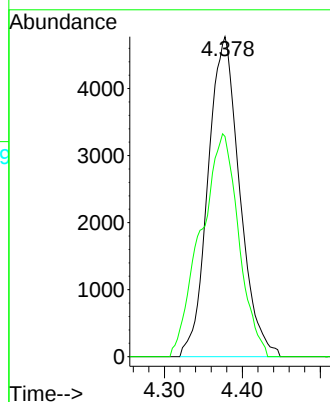
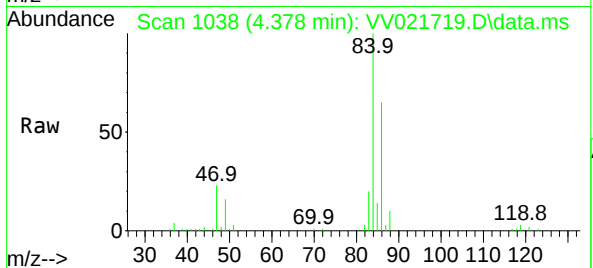
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#27

1,2-Dichloroethane

Concen: 2.274 ug/L m

RT: 5.140 min Scan# 1275

Delta R.T. 0.010 min

Lab File: VV021719.D

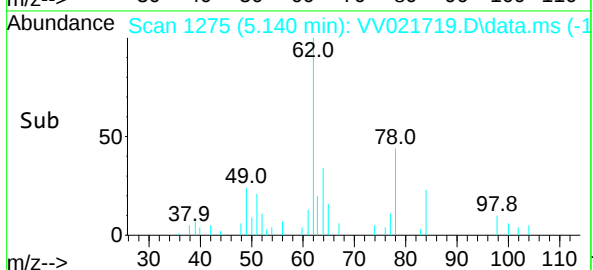
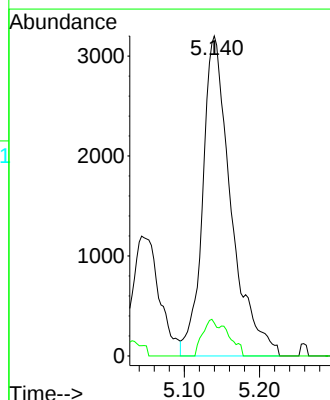
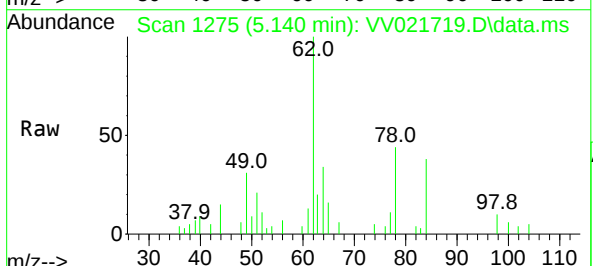
Acq: 02 Aug 2021 15:05

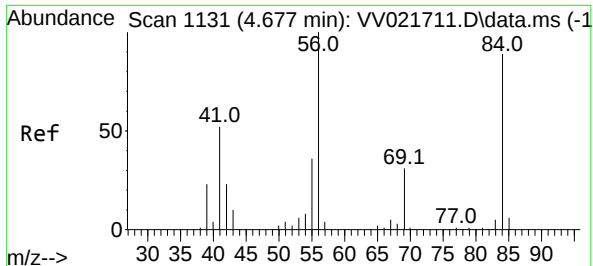
Tgt Ion: 62 Resp: 8362

Ion Ratio Lower Upper

62 100

98 10.3 8.3 12.5





#29

Cyclohexane

Concen: 2.057 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VV021719.D

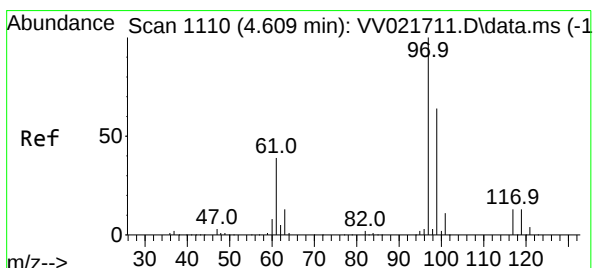
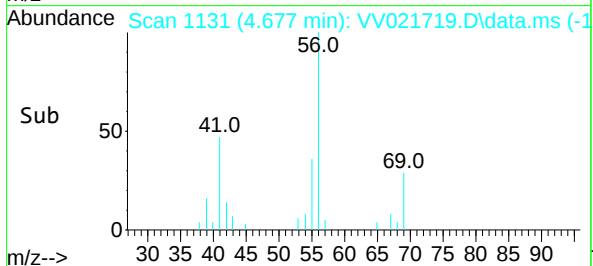
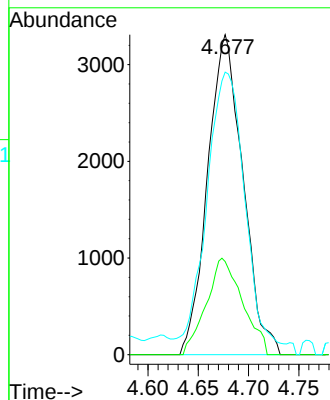
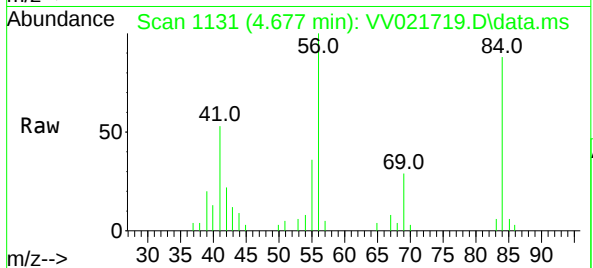
Acq: 02 Aug 2021 15:05

Tgt Ion:	56	Resp:	8066
Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.1	37.7
84	88.2	71.7	107.5

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

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#30

1,1,1-Trichloroethane

Concen: 2.039 ug/L

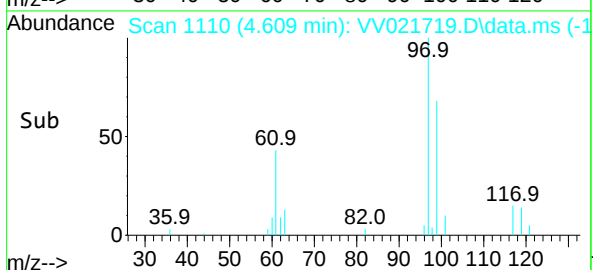
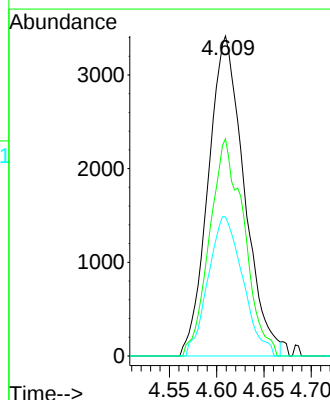
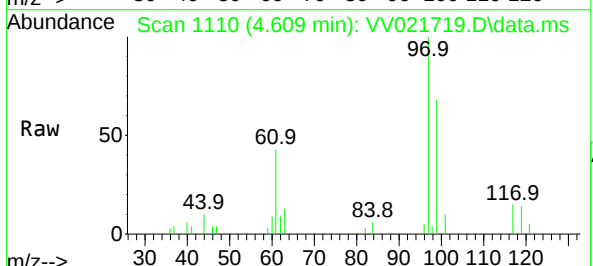
RT: 4.609 min Scan# 1110

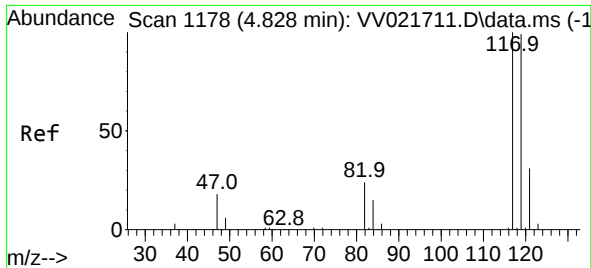
Delta R.T. -0.000 min

Lab File: VV021719.D

Acq: 02 Aug 2021 15:05

Tgt Ion:	97	Resp:	9020
Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.0	78.0
61	41.9	32.6	49.0





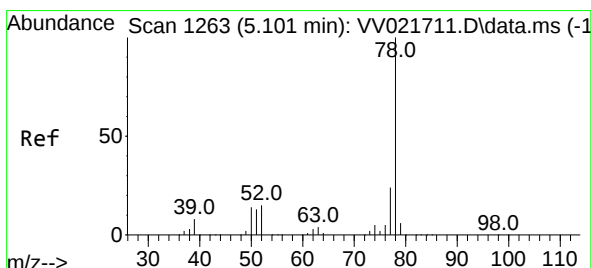
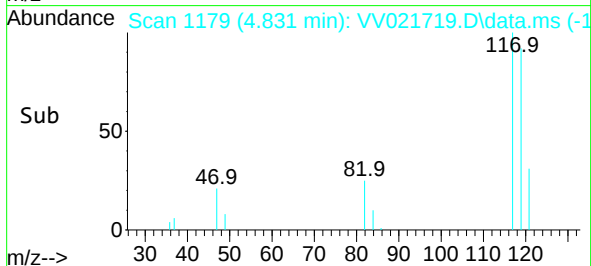
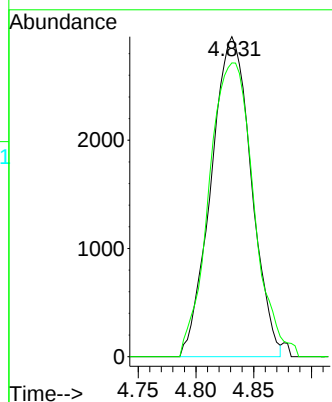
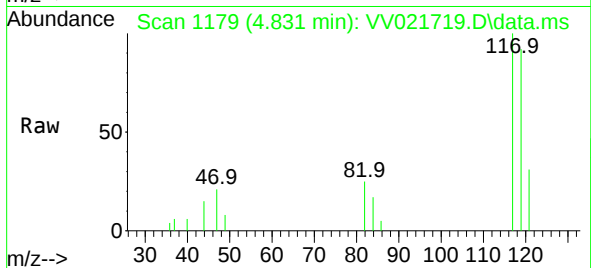
#31
Carbon tetrachloride
Concen: 1.880 ug/L
RT: 4.831 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

Tgt Ion:117 Resp: 7156
Ion Ratio Lower Upper
117 100
119 101.8 77.7 116.5

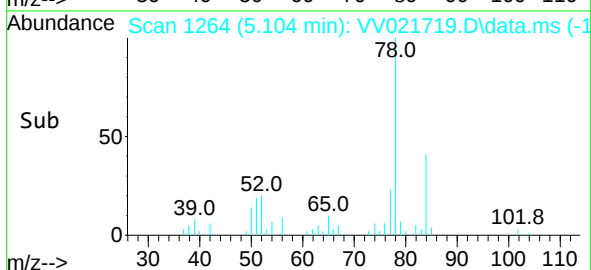
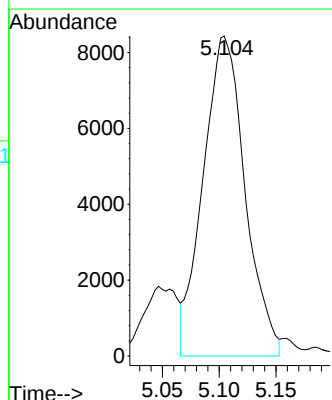
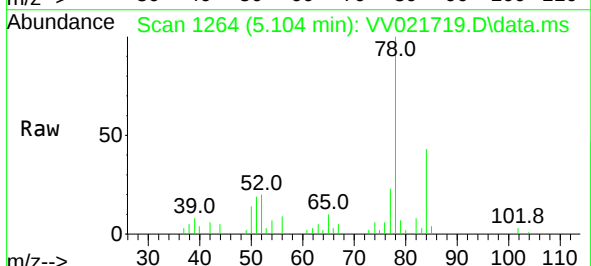
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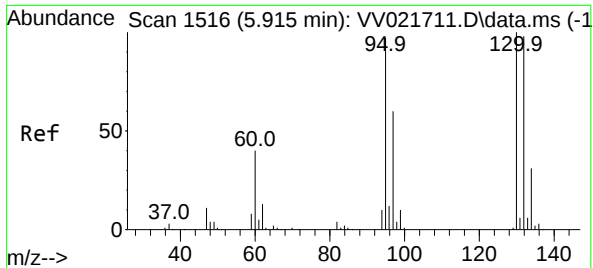
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#33
Benzene
Concen: 2.055 ug/L m
RT: 5.104 min Scan# 1264
Delta R.T. 0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 78 Resp: 21656





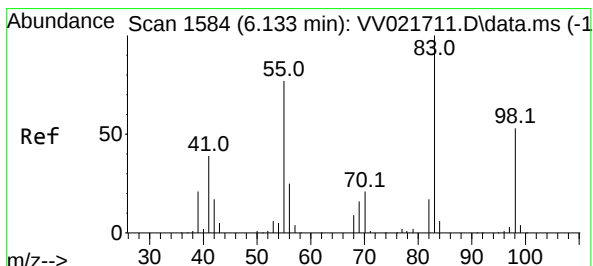
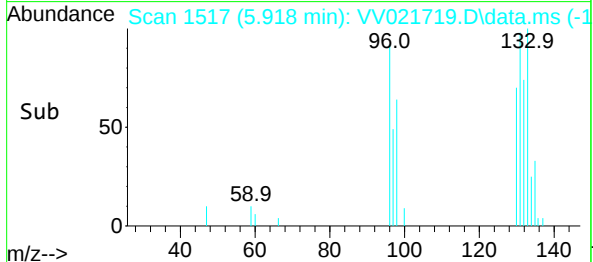
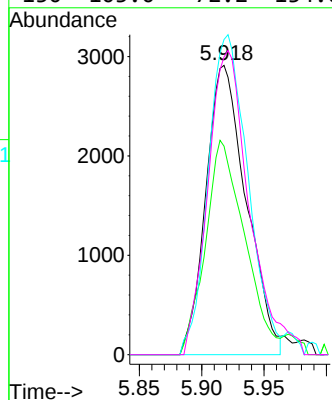
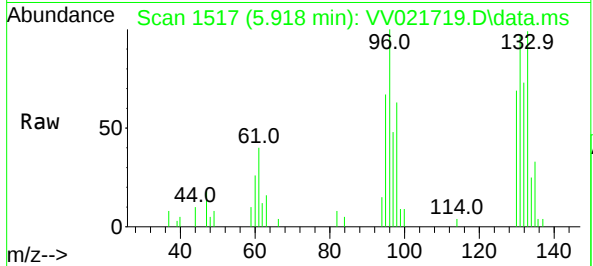
#34
Trichloroethene
Concen: 2.197 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 95	Resp: 6562
Ion Ratio	Lower Upper
95 100	
97 72.0	43.5 80.7
132 109.0	70.6 131.2
130 103.0	72.2 134.0

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

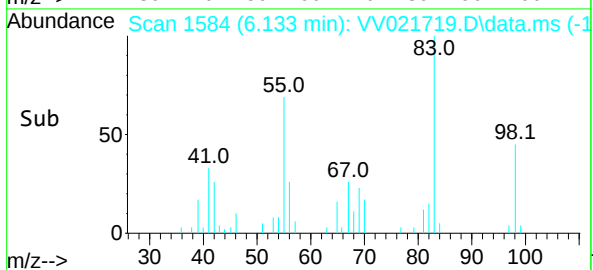
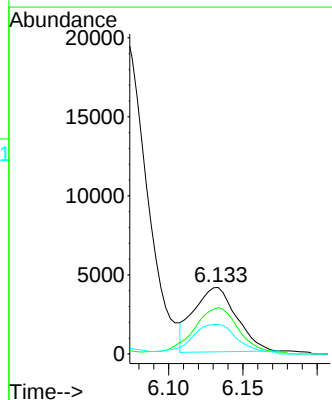
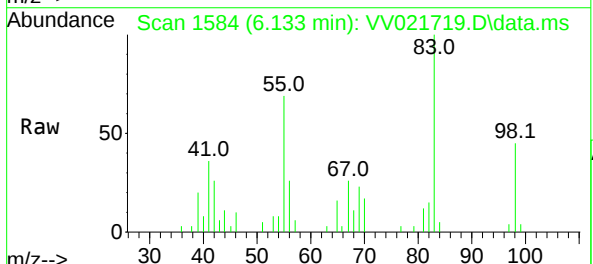
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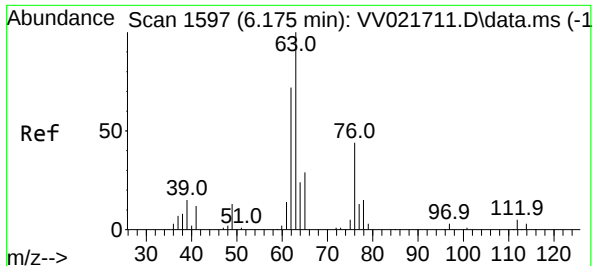
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#35
Methylcyclohexane
Concen: 2.005 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. -0.000 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 83	Resp: 8162
Ion Ratio	Lower Upper
83 100	
55 77.3	59.1 88.7
98 50.3	40.8 61.2





#37

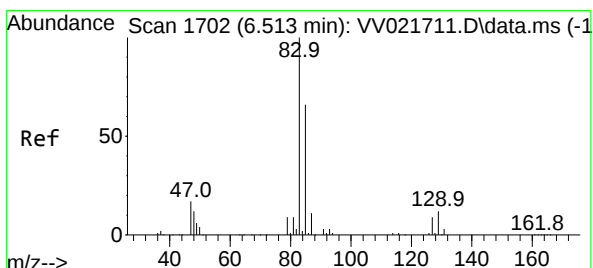
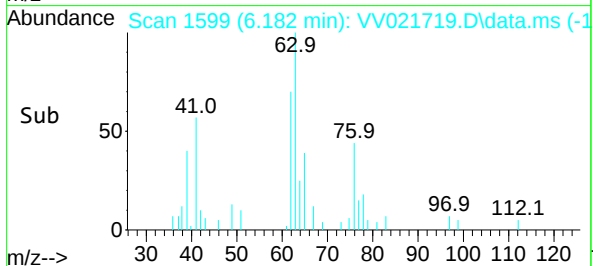
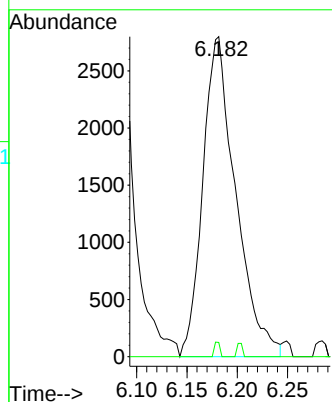
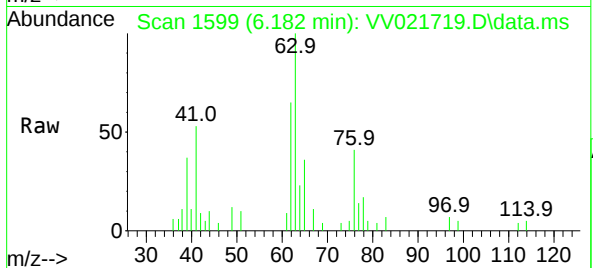
1,2-Dichloropropane
Concen: 2.265 ug/L
RT: 6.182 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 63 Resp: 6361
Ion Ratio Lower Upper
63 100
112 0.8 3.8 5.8#

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

Manual Integrations
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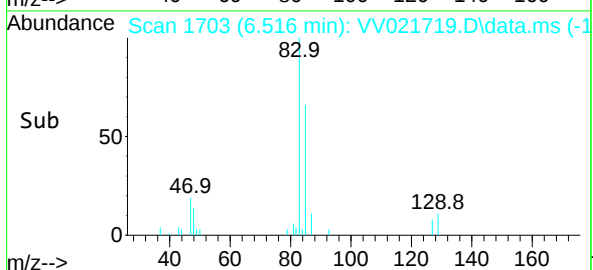
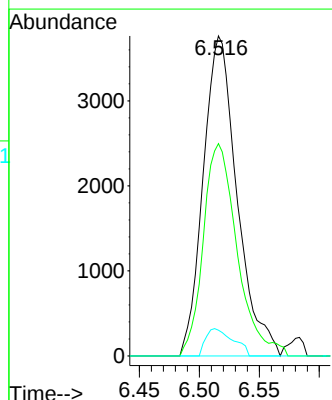
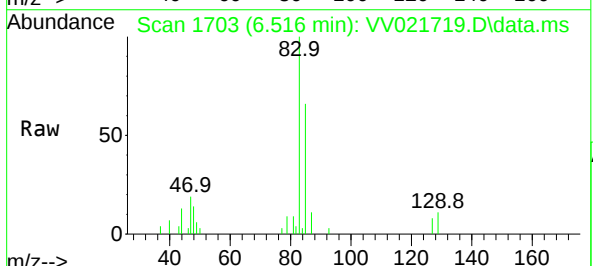
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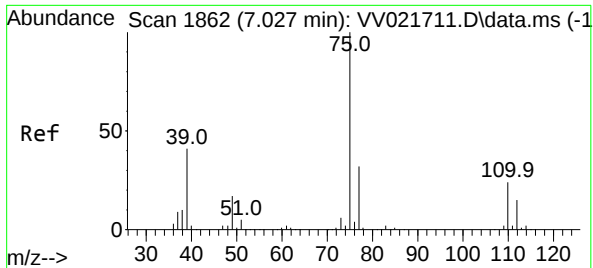


#38

Bromodichloromethane
Concen: 1.923 ug/L
RT: 6.516 min Scan# 1703
Delta R.T. 0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 83 Resp: 7375
Ion Ratio Lower Upper
83 100
85 66.4 45.8 85.2
127 8.0 7.1 10.7





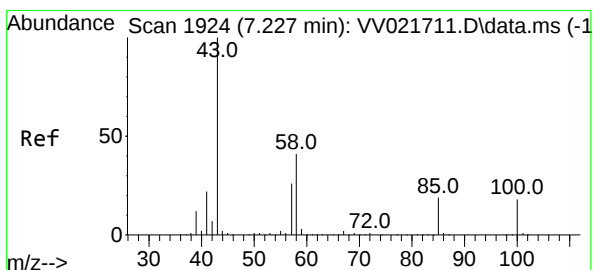
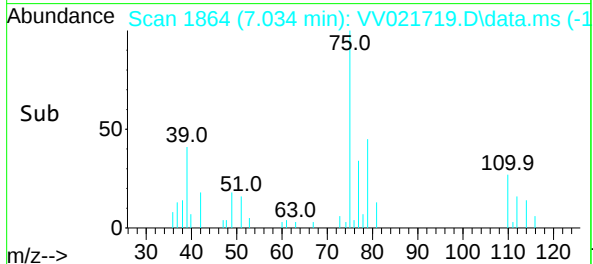
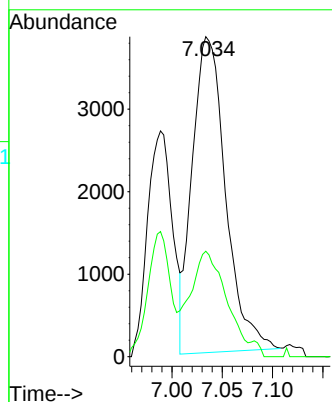
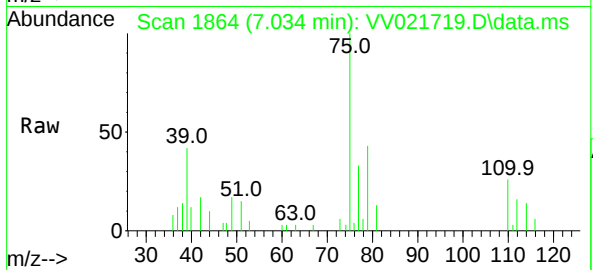
#39
 cis-1,3-Dichloropropene
 Concen: 1.985 ug/L
 RT: 7.034 min Scan# 1864
 Delta R.T. 0.006 min
 Lab File: VV021719.D
 Acq: 02 Aug 2021 15:05

Tgt Ion: 75 Resp: 8833
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.4 41.6

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2021-07

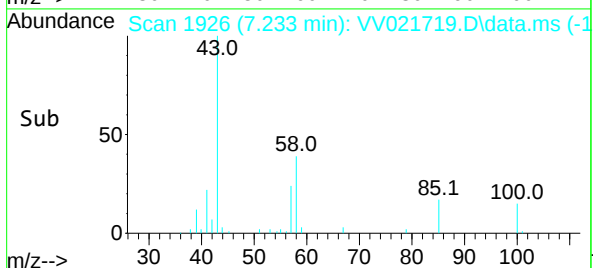
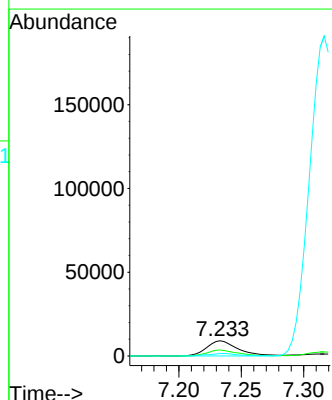
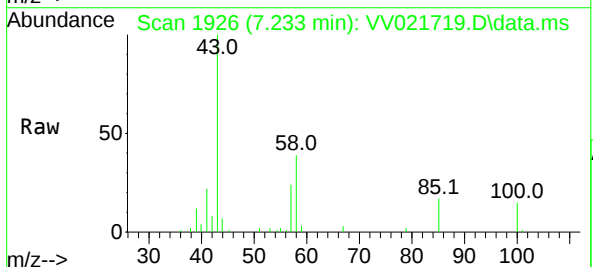
Manual Integrations
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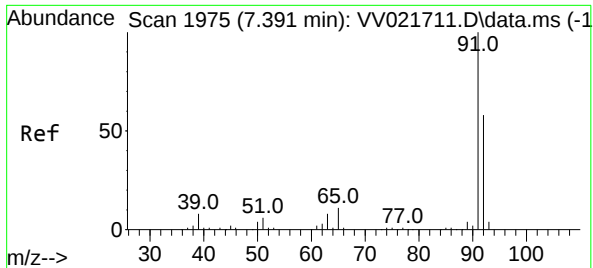
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#40
 4-Methyl-2-pentanone
 Concen: 3.863 ug/L
 RT: 7.233 min Scan# 1926
 Delta R.T. 0.006 min
 Lab File: VV021719.D
 Acq: 02 Aug 2021 15:05

Tgt Ion: 43 Resp: 15806
 Ion Ratio Lower Upper
 43 100
 58 38.3 32.9 49.3
 100 16.5 13.8 20.8





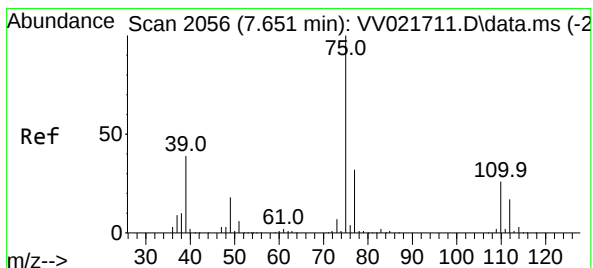
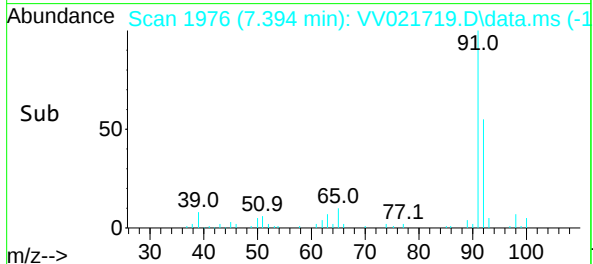
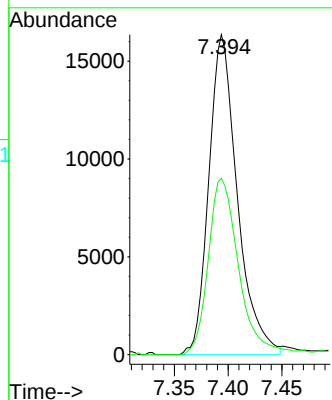
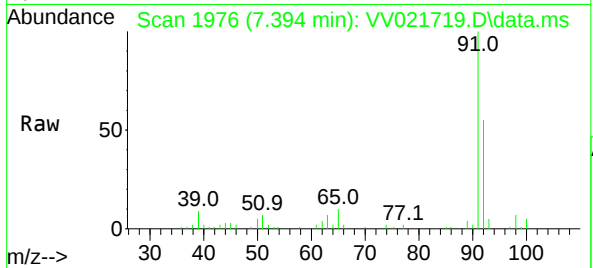
#42
Toluene
Concen: 2.655 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 91 Resp: 30172
Ion Ratio Lower Upper
91 100
92 55.1 40.9 76.0

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

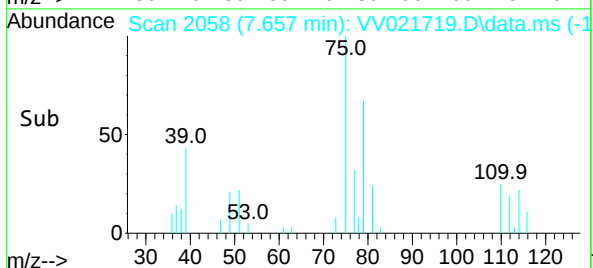
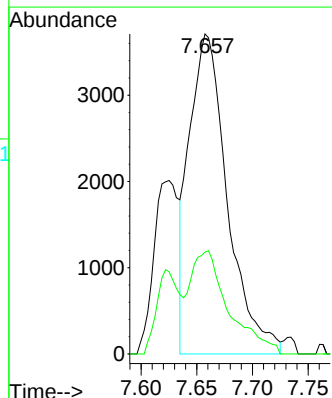
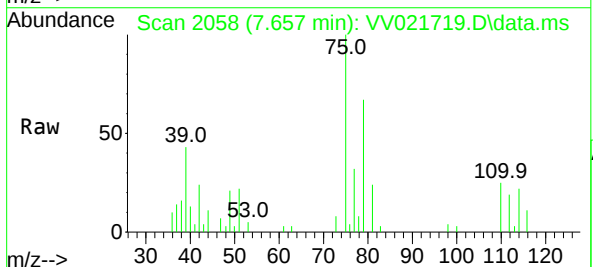
Manual Integrations
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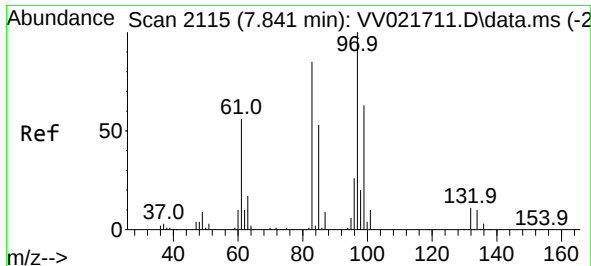
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#44
trans-1,3-Dichloropropene
Concen: 2.074 ug/L
RT: 7.657 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion: 75 Resp: 8848
Ion Ratio Lower Upper
75 100
77 31.9 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 2.039 ug/L

RT: 7.847 min Scan# 2117

Delta R.T. 0.006 min

Lab File: VV021719.D

Acq: 02 Aug 2021 15:05

Tgt Ion: 97 Resp: 5831

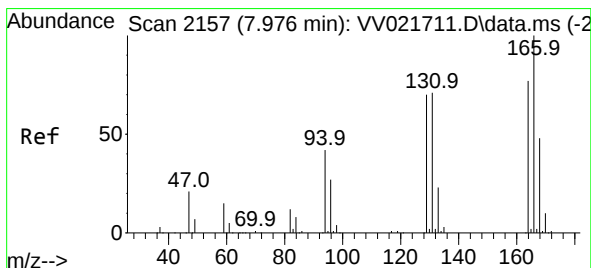
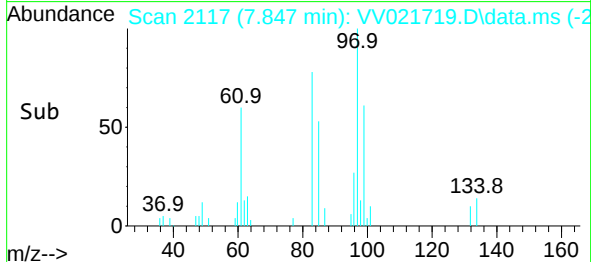
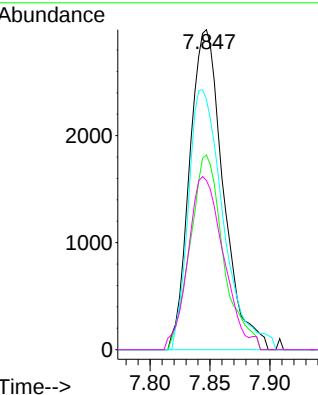
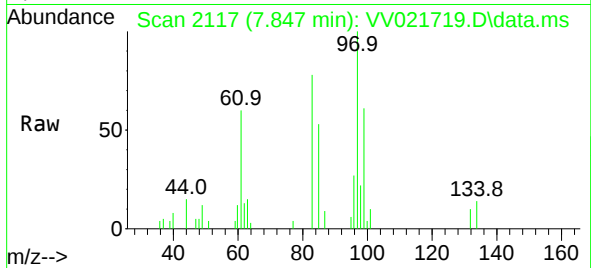
Ion Ratio Lower Upper

97 100

99 60.8 43.8 81.3

83 78.2 59.3 110.1

85 52.8 37.5 69.6



#46

Tetrachloroethene

Concen: 2.017 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV021719.D

Acq: 02 Aug 2021 15:05

Tgt Ion: 164 Resp: 4452

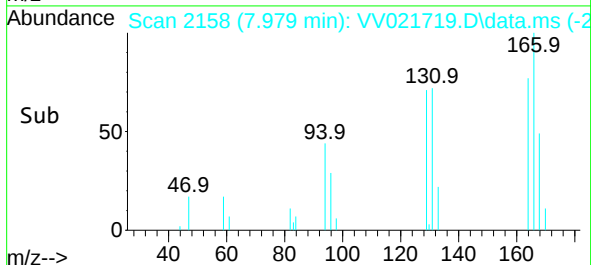
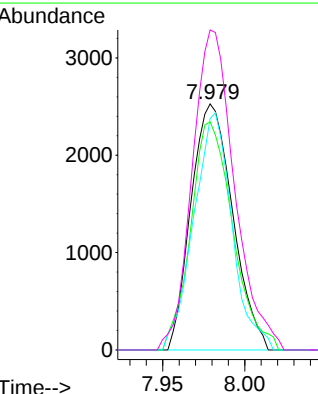
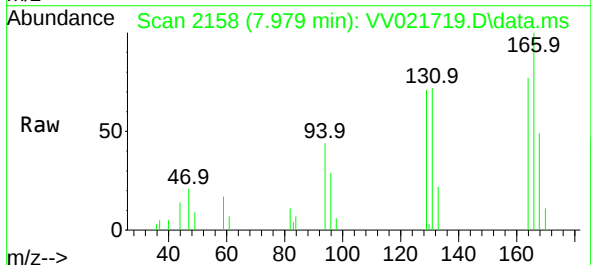
Ion Ratio Lower Upper

164 100

129 92.7 64.3 119.5

131 94.0 65.2 121.0

166 130.0 91.4 169.8



Instrument :

MSVOA_V

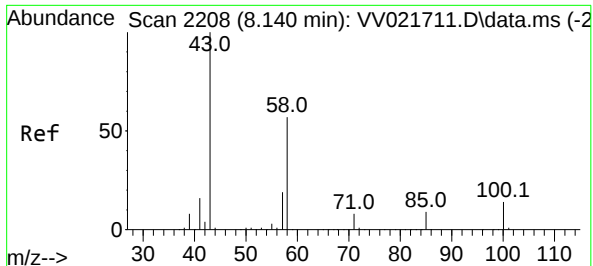
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MDL-WATER-QT4-2021-07

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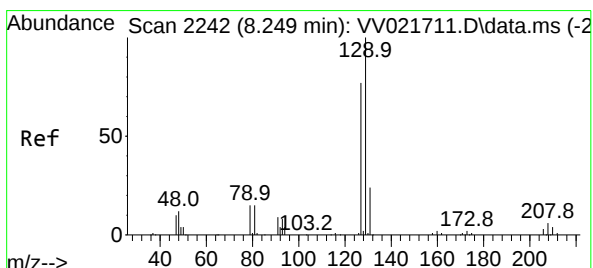
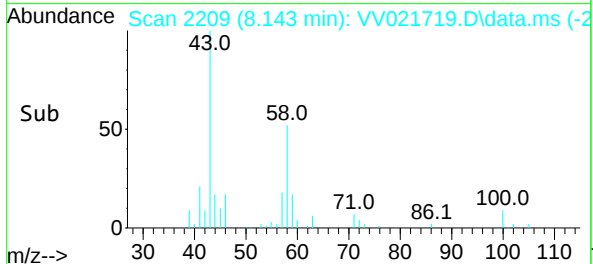
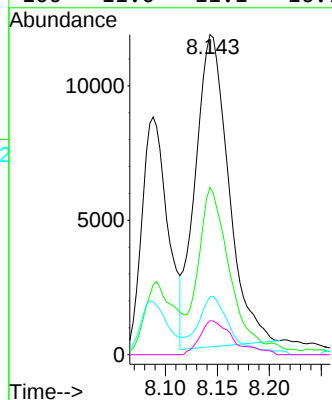
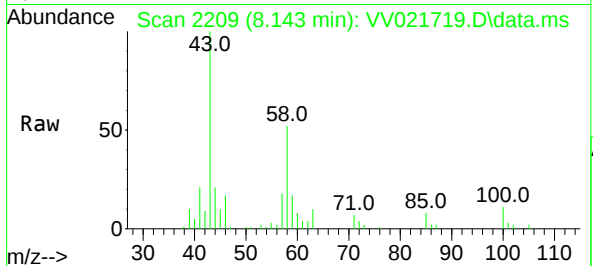
#48
2-Hexanone
Concen: 8.259 ug/L
RT: 8.143 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion:	43	Resp:	25899
Ion	Ratio	Lower	Upper
43	100		
58	44.7	46.0	69.0#
57	15.1	15.0	22.4
100	11.0	11.1	16.7#

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

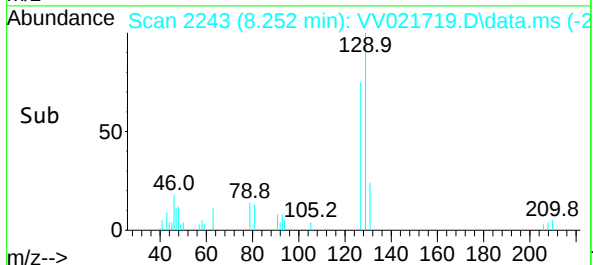
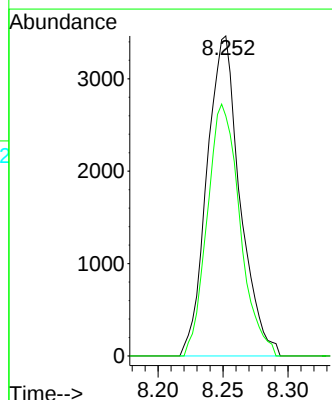
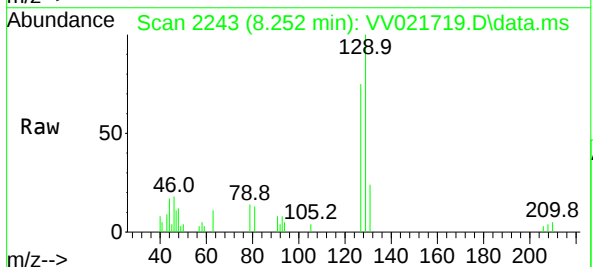
Manual Integrations
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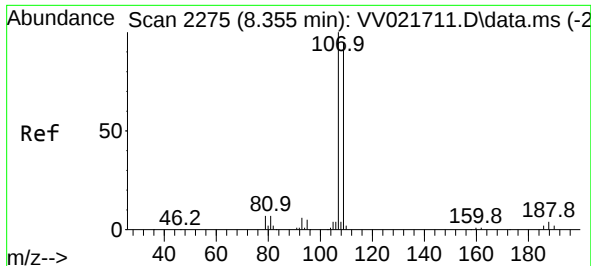
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#49
Dibromochloromethane
Concen: 1.884 ug/L
RT: 8.252 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

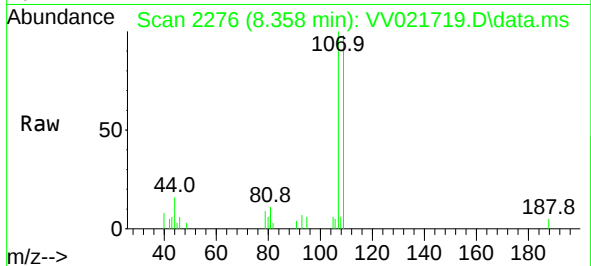
Tgt Ion:	129	Resp:	6138
Ion	Ratio	Lower	Upper
129	100		
127	75.0	54.0	100.2





#50
1,2-Dibromoethane
Concen: 2.012 ug/L
RT: 8.358 min Scan# 2276
Delta R.T. 0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

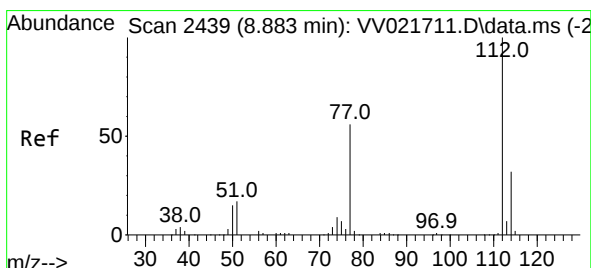
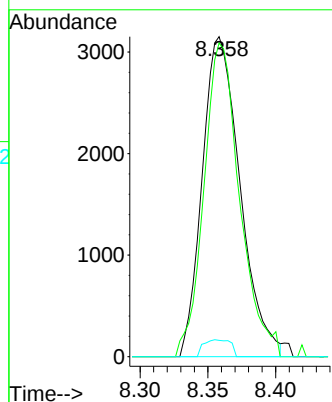
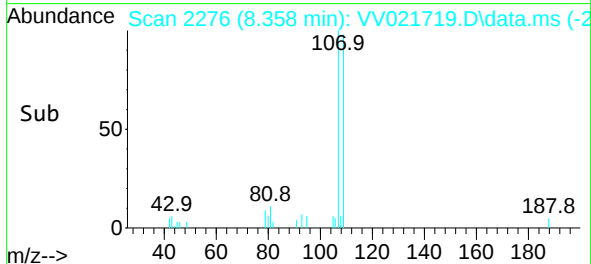
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07



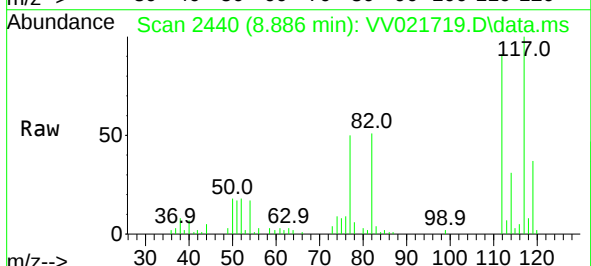
Tgt Ion:107 Resp: 6114
Ion Ratio Lower Upper
107 100
109 98.0 66.2 123.0
188 5.1 3.1 4.7#

Manual Integrations
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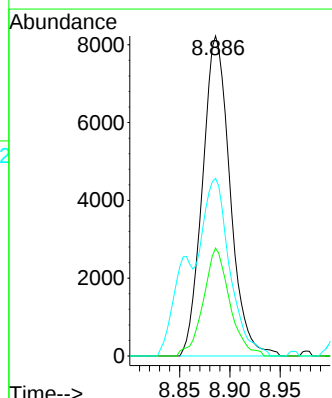
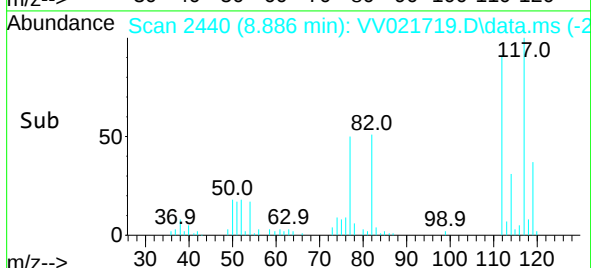
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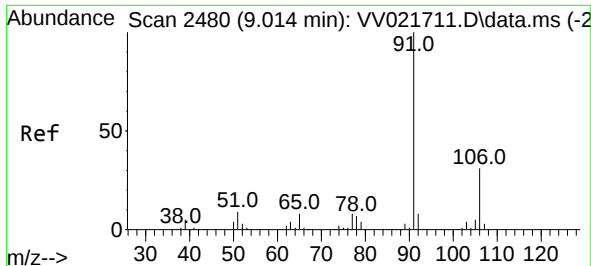


#51
Chlorobenzene
Concen: 2.066 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05



Tgt Ion:112 Resp: 15690
Ion Ratio Lower Upper
112 100
114 33.7 22.6 42.0
77 55.5 45.0 67.4





#52

Ethylbenzene

Concen: 2.013 ug/L

RT: 9.017 min Scan# 2481

Delta R.T. 0.003 min

Lab File: VV021719.D

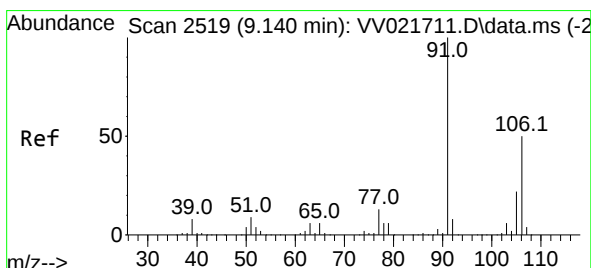
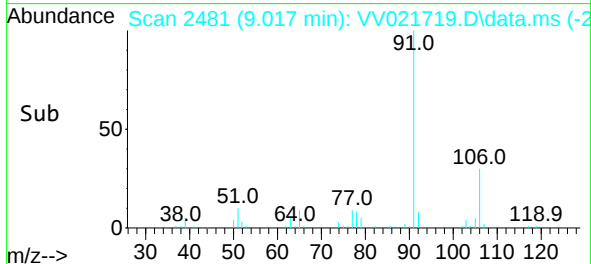
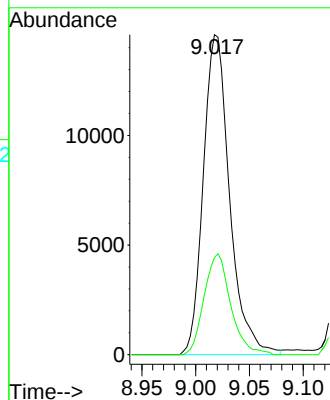
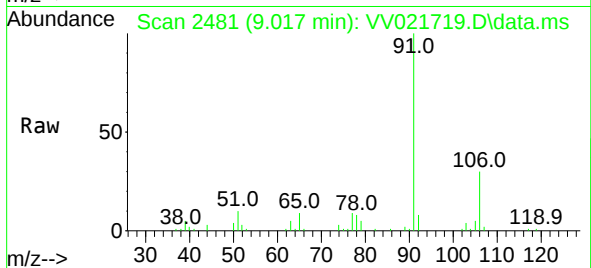
Acq: 02 Aug 2021 15:05

Tgt Ion: 91 Resp: 24842

Ion Ratio Lower Upper

91 100

106 30.4 22.0 40.8



#53

m,p-Xylene

Concen: 2.080 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.003 min

Lab File: VV021719.D

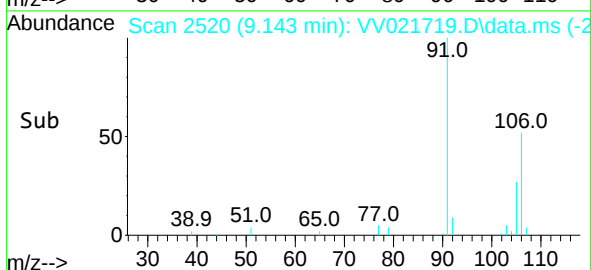
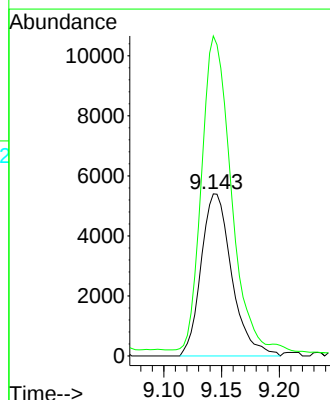
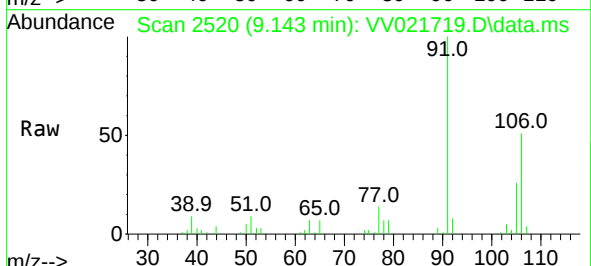
Acq: 02 Aug 2021 15:05

Tgt Ion: 106 Resp: 9960

Ion Ratio Lower Upper

106 100

91 197.3 138.9 258.1



Instrument :

MSVOA_V

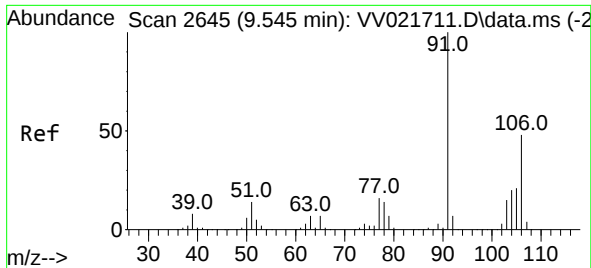
ClientSampleId :

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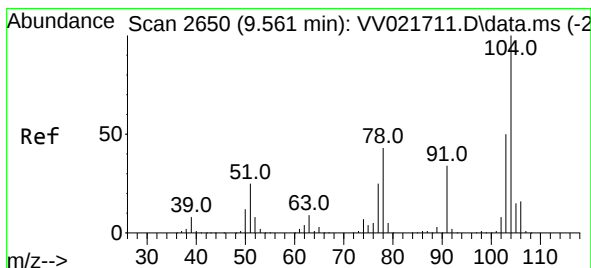
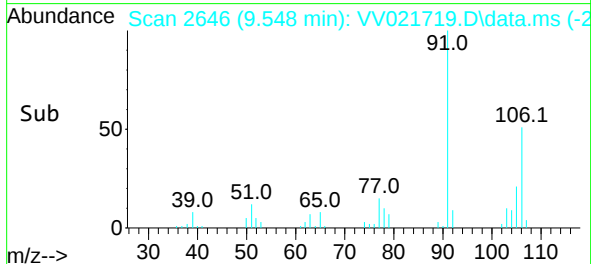
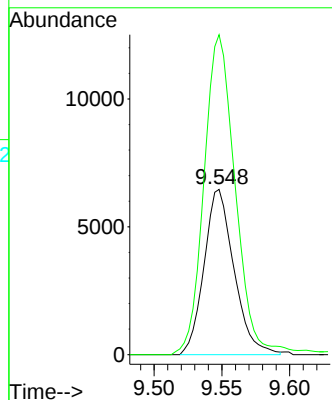
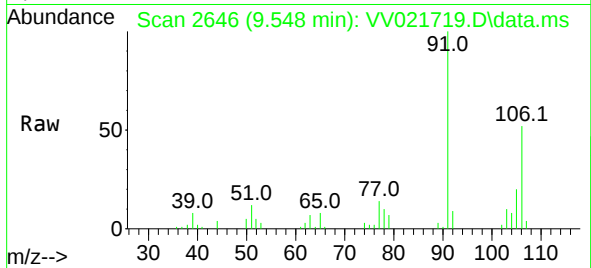
#54
o-Xylene
Concen: 2.065 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion:106 Resp: 9953
Ion Ratio Lower Upper
106 100
91 193.6 147.4 273.8

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

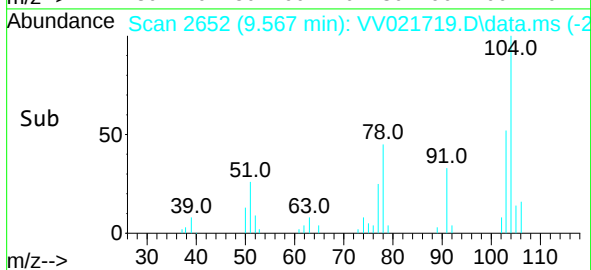
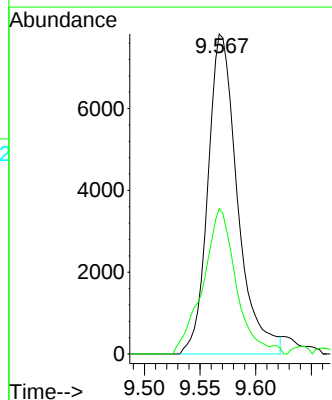
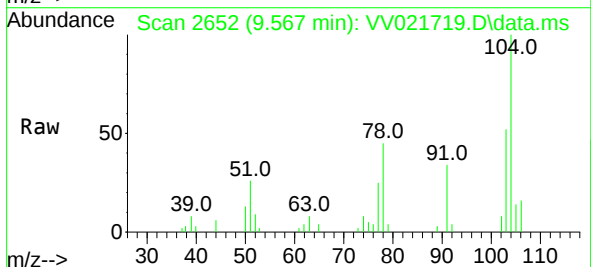
Manual Integrations
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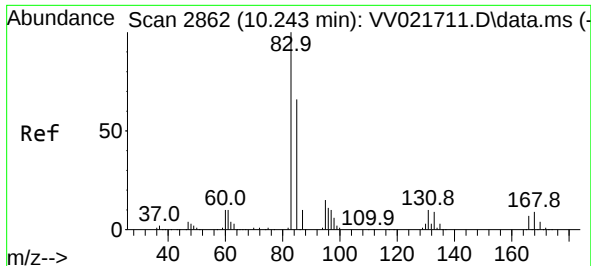
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#55
Styrene
Concen: 1.790 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.006 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion:104 Resp: 14450
Ion Ratio Lower Upper
104 100
78 45.4 30.0 55.8





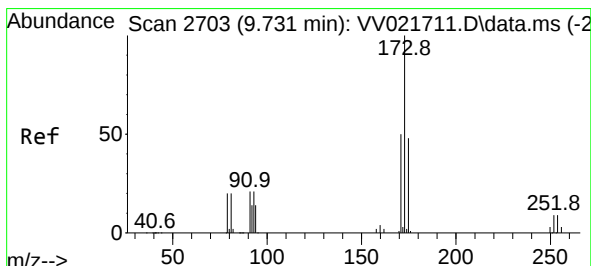
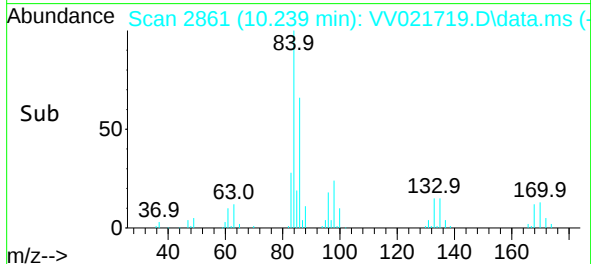
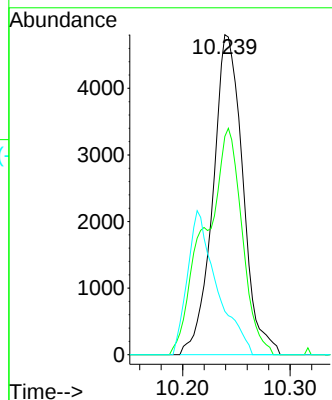
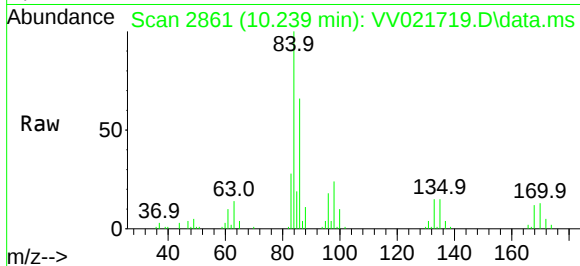
#57
1,1,2,2-Tetrachloroethane
Concen: 2.173 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. -0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion:	83	Resp:	9278
Ion	Ratio	Lower	Upper
83	100		
85	68.2	46.0	85.4
131	13.6	8.1	12.1#

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

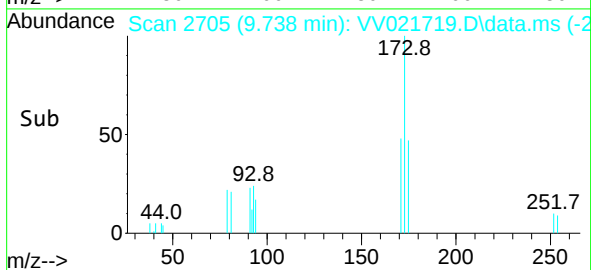
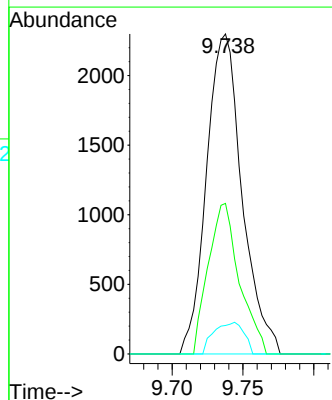
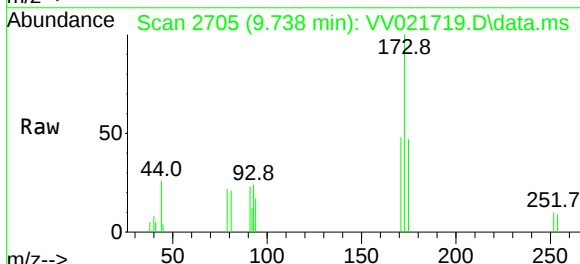
Manual Integrations
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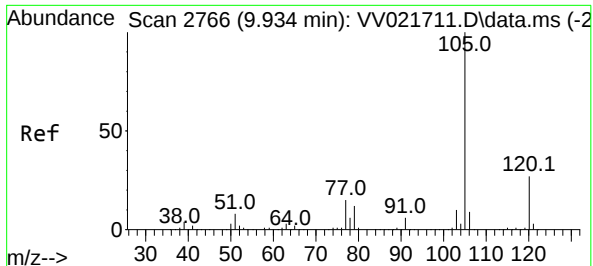
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#59
Bromoform
Concen: 1.750 ug/L
RT: 9.738 min Scan# 2705
Delta R.T. 0.006 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion:	173	Resp:	4014
Ion	Ratio	Lower	Upper
173	100		
175	41.1	39.0	58.4
254	8.4	7.2	10.8





#60

Isopropylbenzene

Concen: 1.989 ug/L

RT: 9.937 min Scan# 2767

Delta R.T. 0.003 min

Lab File: VV021719.D

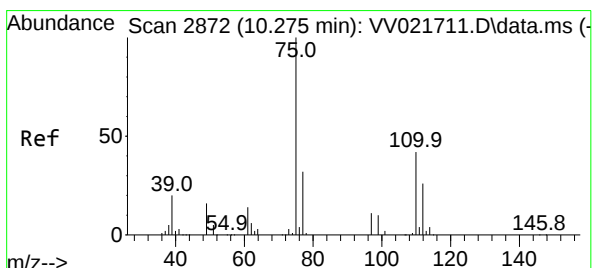
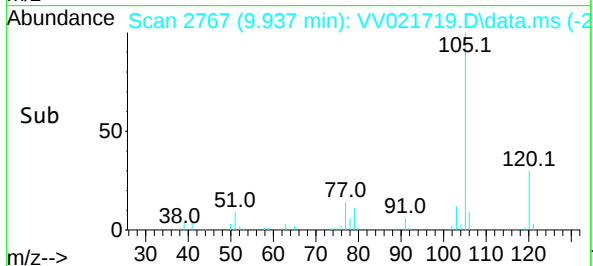
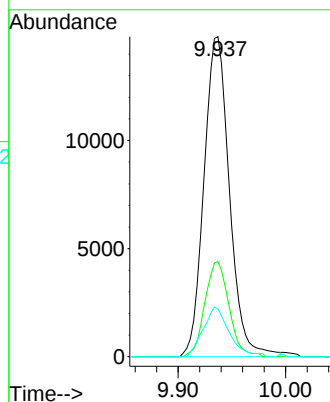
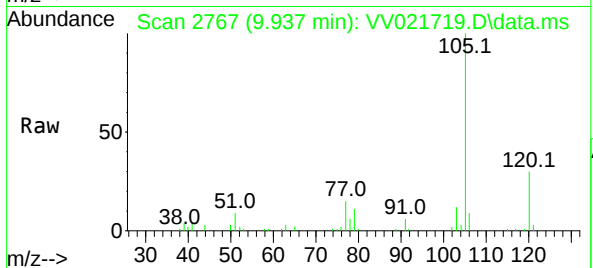
Acq: 02 Aug 2021 15:05

Tgt Ion:	105	Resp:	24375
Ion Ratio	Lower	Upper	
105	100		
120	27.9	21.5	32.3
77	15.6	11.8	17.8

Instrument :
MSVOA_V
ClientSampleId :
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#61

1,2,3-Trichloropropane

Concen: 2.046 ug/L

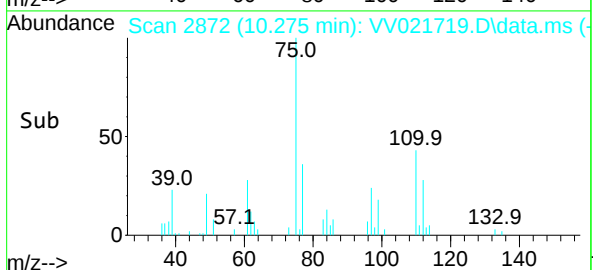
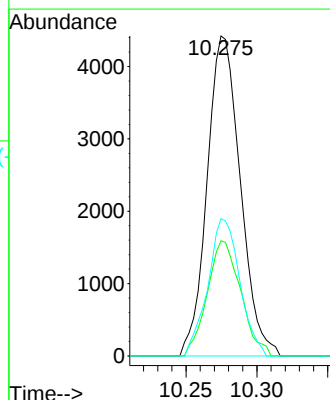
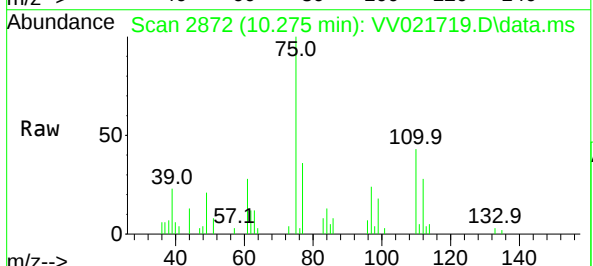
RT: 10.275 min Scan# 2872

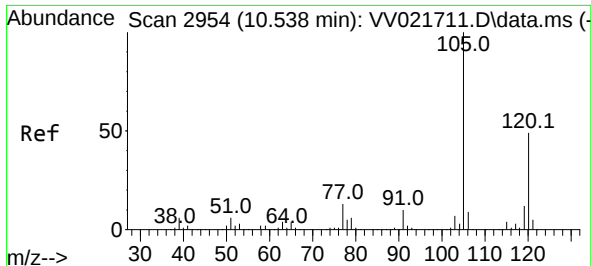
Delta R.T. -0.000 min

Lab File: VV021719.D

Acq: 02 Aug 2021 15:05

Tgt Ion:	75	Resp:	7213
Ion Ratio	Lower	Upper	
75	100		
77	36.1	25.7	38.5
110	41.1	33.8	50.6





#62

1,3,5-Trimethylbenzene

Concen: 1.943 ug/L

RT: 10.541 min Scan# 2955

Delta R.T. 0.003 min

Lab File: VV021719.D

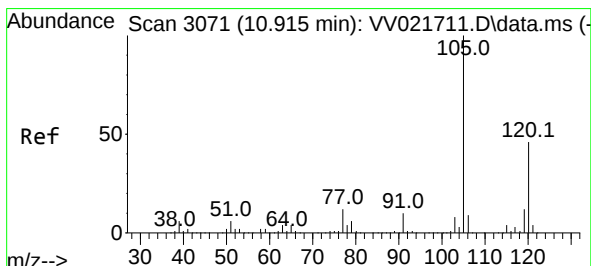
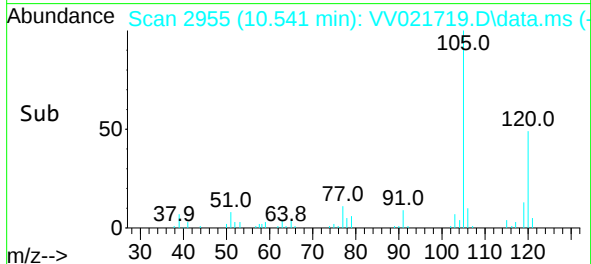
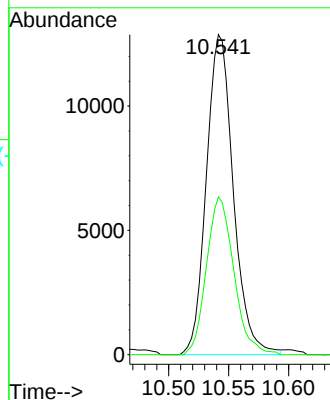
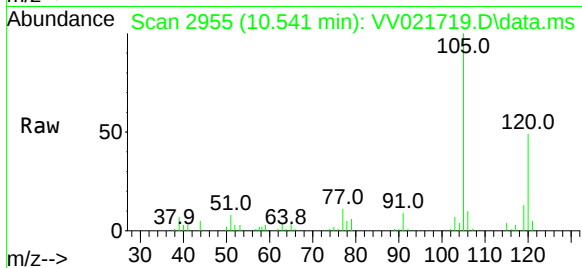
Acq: 02 Aug 2021 15:05

Tgt Ion:105 Resp: 20158

Ion Ratio Lower Upper

105 100

120 50.0 39.8 59.6



#63

1,2,4-Trimethylbenzene

Concen: 2.004 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.003 min

Lab File: VV021719.D

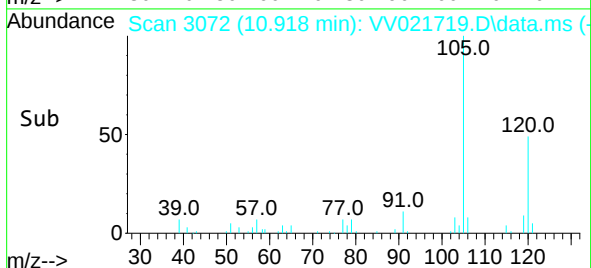
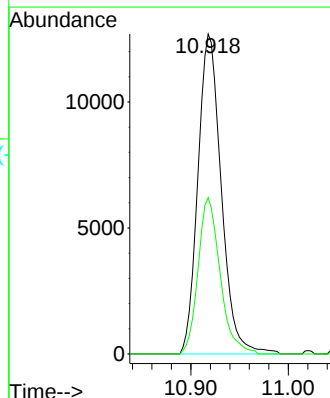
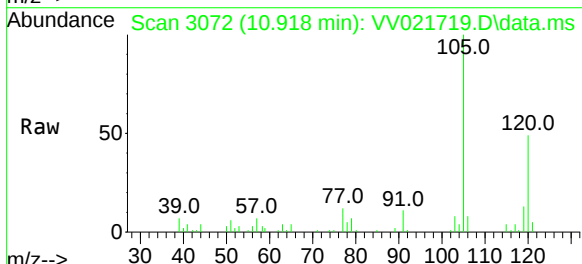
Acq: 02 Aug 2021 15:05

Tgt Ion:105 Resp: 21158

Ion Ratio Lower Upper

105 100

120 46.1 37.0 55.6



Instrument :

MSVOA_V

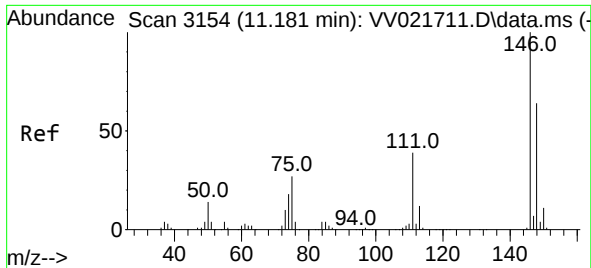
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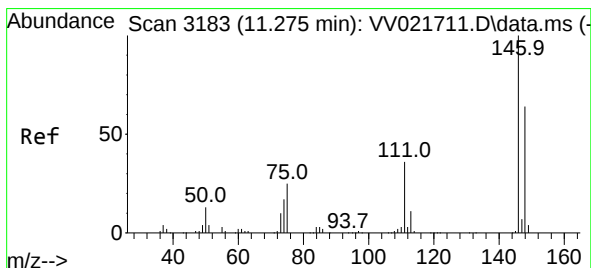
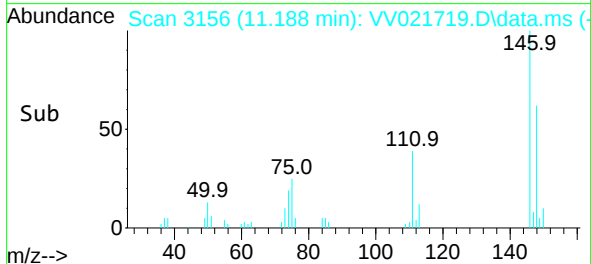
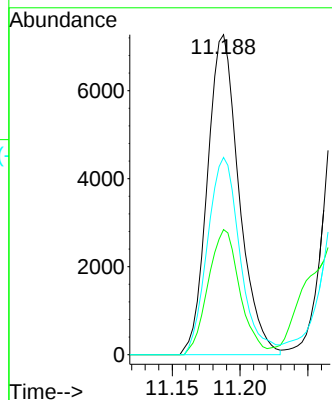
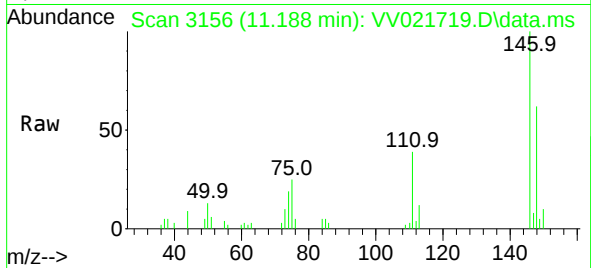
#64
1,3-Dichlorobenzene
Concen: 1.995 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion:146 Resp: 11780
Ion Ratio Lower Upper
146 100
111 39.1 27.3 50.7
148 61.6 44.4 82.5

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

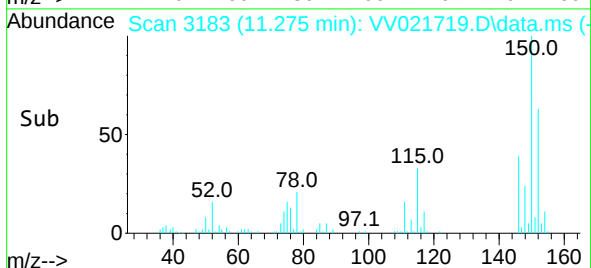
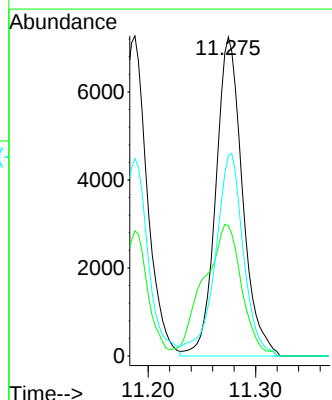
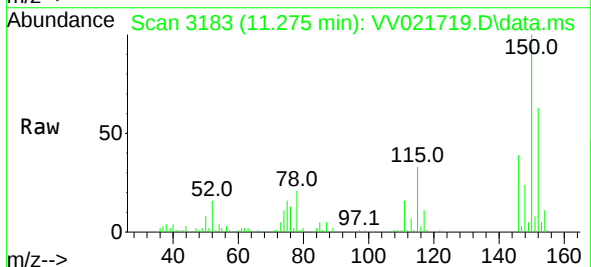
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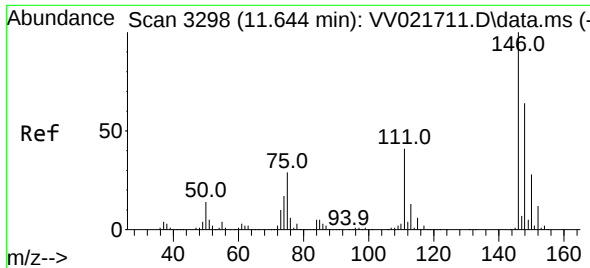
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#65
1,4-Dichlorobenzene
Concen: 2.100 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. -0.000 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion:146 Resp: 12476
Ion Ratio Lower Upper
146 100
111 40.8 25.6 47.4
148 62.8 44.7 82.9





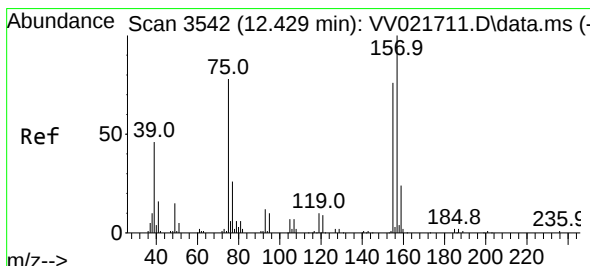
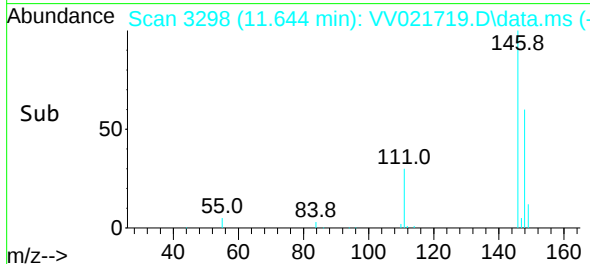
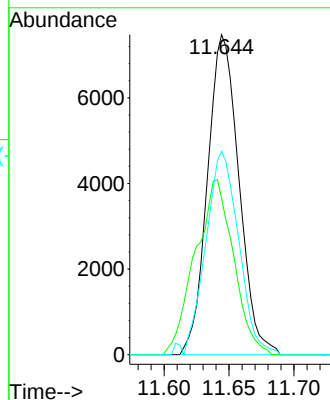
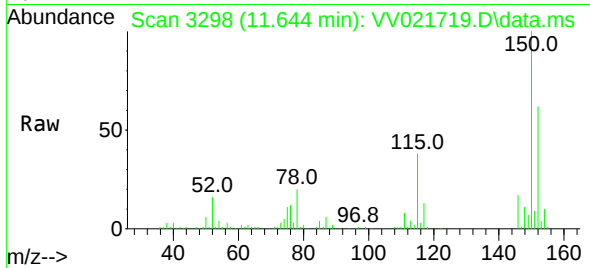
#67
1,2-Dichlorobenzene
Concen: 2.087 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. -0.000 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.9	32.5	48.7#
148	63.6	51.5	77.3

Instrument :
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ClientSampleId :
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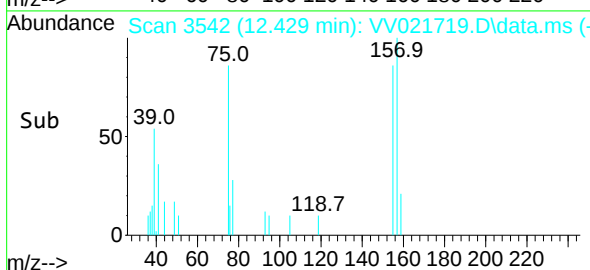
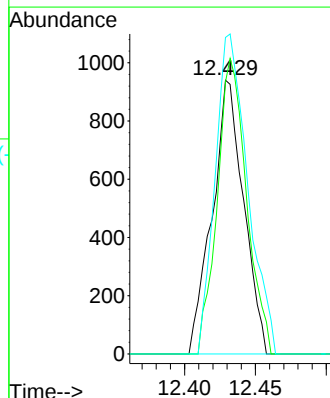
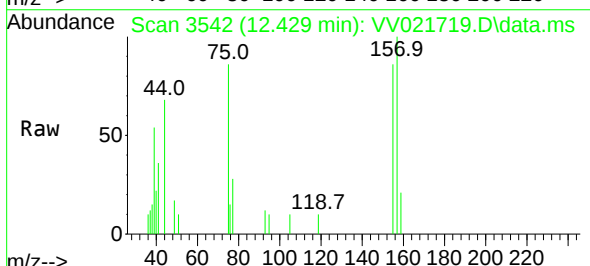
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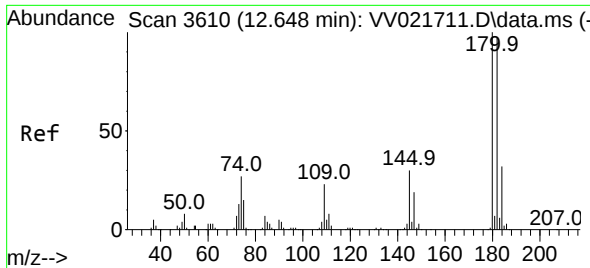
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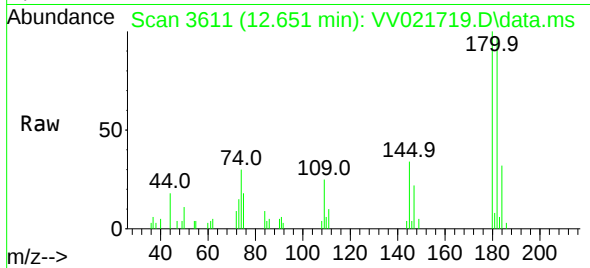
#68
1,2-Dibromo-3-chloropropane
Concen: 1.562 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. -0.000 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	77.7	116.5
157	115.6	102.6	154.0

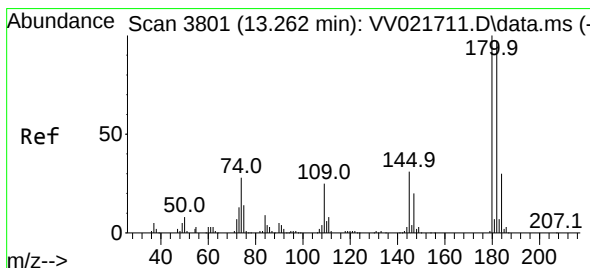
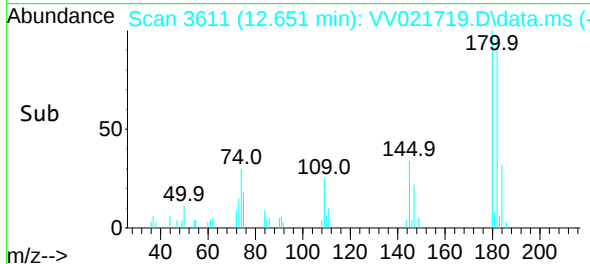
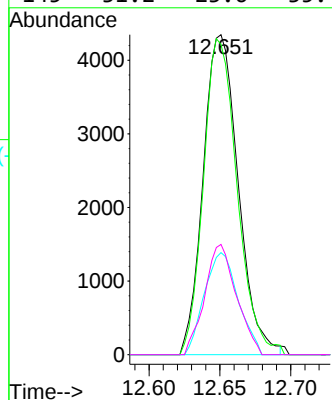




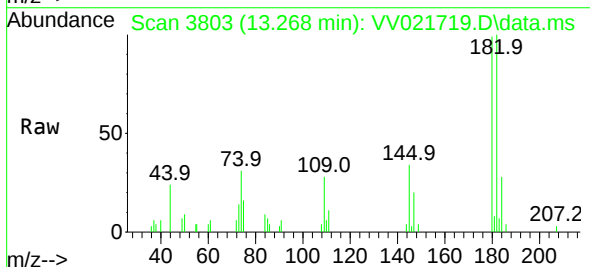
#69
1,3,5-Trichlorobenzene
Concen: 1.700 ug/L
RT: 12.651 min Scan# 3611
Delta R.T. 0.003 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05



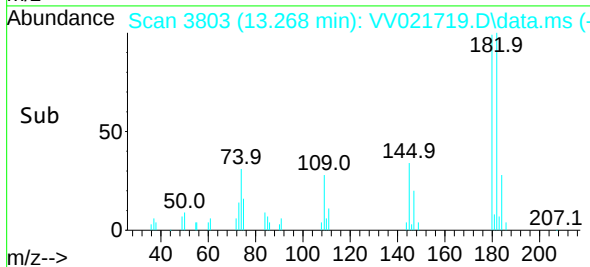
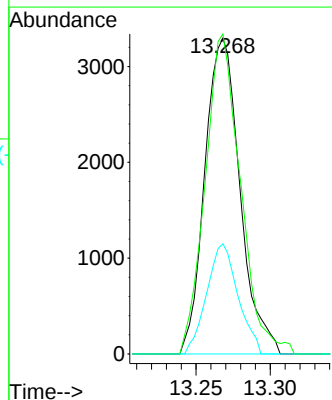
Tgt Ion:180 Resp: 7469
Ion Ratio Lower Upper
180 100
182 94.5 77.1 115.7
184 30.8 24.6 36.8
145 31.2 23.6 35.4



#70
1,2,4-trichlorobenzene
Concen: 1.465 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.006 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05



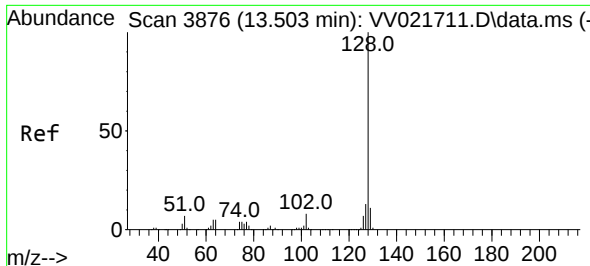
Tgt Ion:180 Resp: 5427
Ion Ratio Lower Upper
180 100
182 100.7 76.3 114.5
145 31.0 24.1 36.1



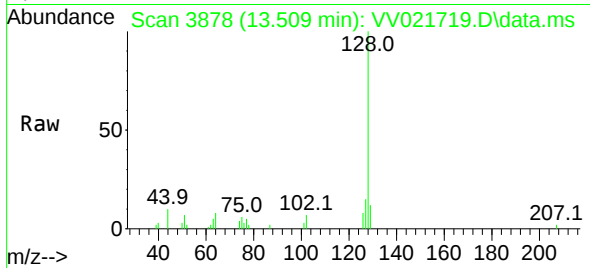
Instrument :
MSVOA_V
ClientSampleId :
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#71
Naphthalene
Concen: 1.243 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.006 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05

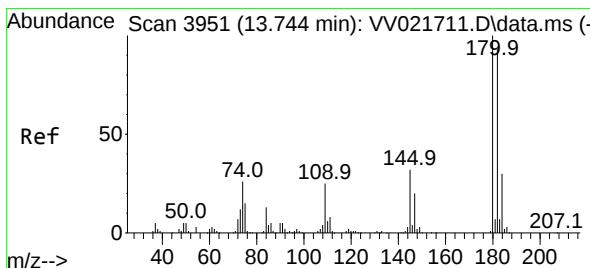
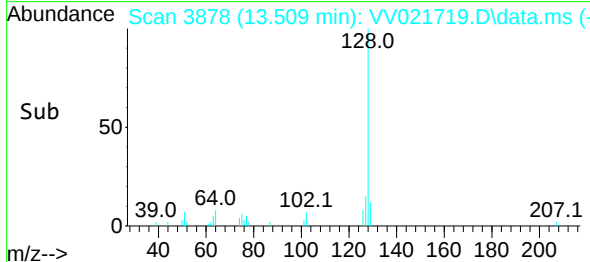
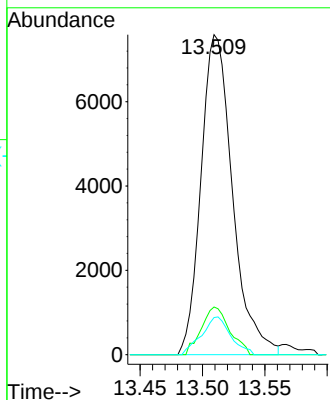


Tgt Ion:128 Resp: 13335
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 10.9 8.6 12.8

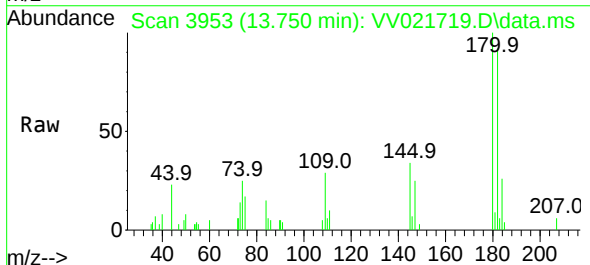
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2021-07

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 1.504 ug/L
RT: 13.750 min Scan# 3953
Delta R.T. 0.006 min
Lab File: VV021719.D
Acq: 02 Aug 2021 15:05



Tgt Ion:180 Resp: 5535
Ion Ratio Lower Upper
180 100
182 94.9 76.8 115.2
145 32.4 25.5 38.3

