

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070221\
 Data File : VV021595.D
 Acq On : 02 Jul 2021 13:50
 Operator : SY/MD
 Sample : M2914-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBK31

Quant Time: Jul 03 00:07:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 03 00:01:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	470060	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	433887	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	221826	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	107170	36.035	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.080%		
7) Chloroethane-d5	1.561	69	91981	37.841	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	75.680%		
11) 1,1-Dichloroethene-d2	2.105	63	156494	28.760	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	57.520%#		
21) 2-Butanone-d5	3.873	46	235946	92.892	ug/L	-0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.890%		
24) Chloroform-d	4.349	84	256311	41.202	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.400%		
26) 1,2-Dichloroethane-d4	5.034	65	161717	44.118	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.240%		
32) Benzene-d6	5.053	84	530418	43.539	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.080%		
36) 1,2-Dichloropropane-d6	6.069	67	172682	44.941	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.880%		
41) Toluene-d8	7.317	98	496079	44.031	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.060%		
43) trans-1,3-Dichloroprop...	7.622	79	82282	43.048	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.100%		
47) 2-Hexanone-d5	8.088	63	190688	106.988	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.990%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	240190	46.396	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.800%		
66) 1,2-Dichlorobenzene-d4	11.628	152	199136	45.028	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.060%		
Target Compounds						Qvalue
5) Vinyl chloride	1.307	62	16554	4.272	ug/L #	80
8) Chloroethane	1.581	64	20529	9.215	ug/L	84
13) Acetone	2.162	43	19325	9.203	ug/L #	100
17) trans-1,2-Dichloroethene	2.761	96	9544	2.914	ug/L	98
19) 1,1-Dichloroethane	3.191	63	83528	14.001	ug/L	98
27) 1,2-Dichloroethane	5.140	62	6831	1.544	ug/L	99
33) Benzene	5.101	78	594146	44.996	ug/L	100
37) 1,2-Dichloropropane	6.178	63	17923	5.222	ug/L #	93
40) 4-Methyl-2-pentanone	7.227	43	162773	32.308	ug/L	98
42) Toluene	7.391	91	119440	8.445	ug/L	99
44) trans-1,3-Dichloropropene	7.622	75	3235	0.612	ug/L #	81
48) 2-Hexanone	8.082	43	3720433	934.230	ug/L #	36
51) Chlorobenzene	8.886	112	66040	7.175	ug/L	94
52) Ethylbenzene	9.014	91	658166	42.834	ug/L	100
53) m,p-Xylene	9.136	106	683090	115.843	ug/L	99
54) o-Xylene	9.548	106	4181	0.711	ug/L	88
57) 1,1,2,2-Tetrachloroethane	10.265	83	5406	1.029	ug/L #	63
60) Isopropylbenzene	9.934	105	271782	17.963	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	1101496	85.422	ug/L	100

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Quant Title : VOC Analysis
QLast Update : Sat Jul 03 00:01:46 2021
Response via : Initial Calibration

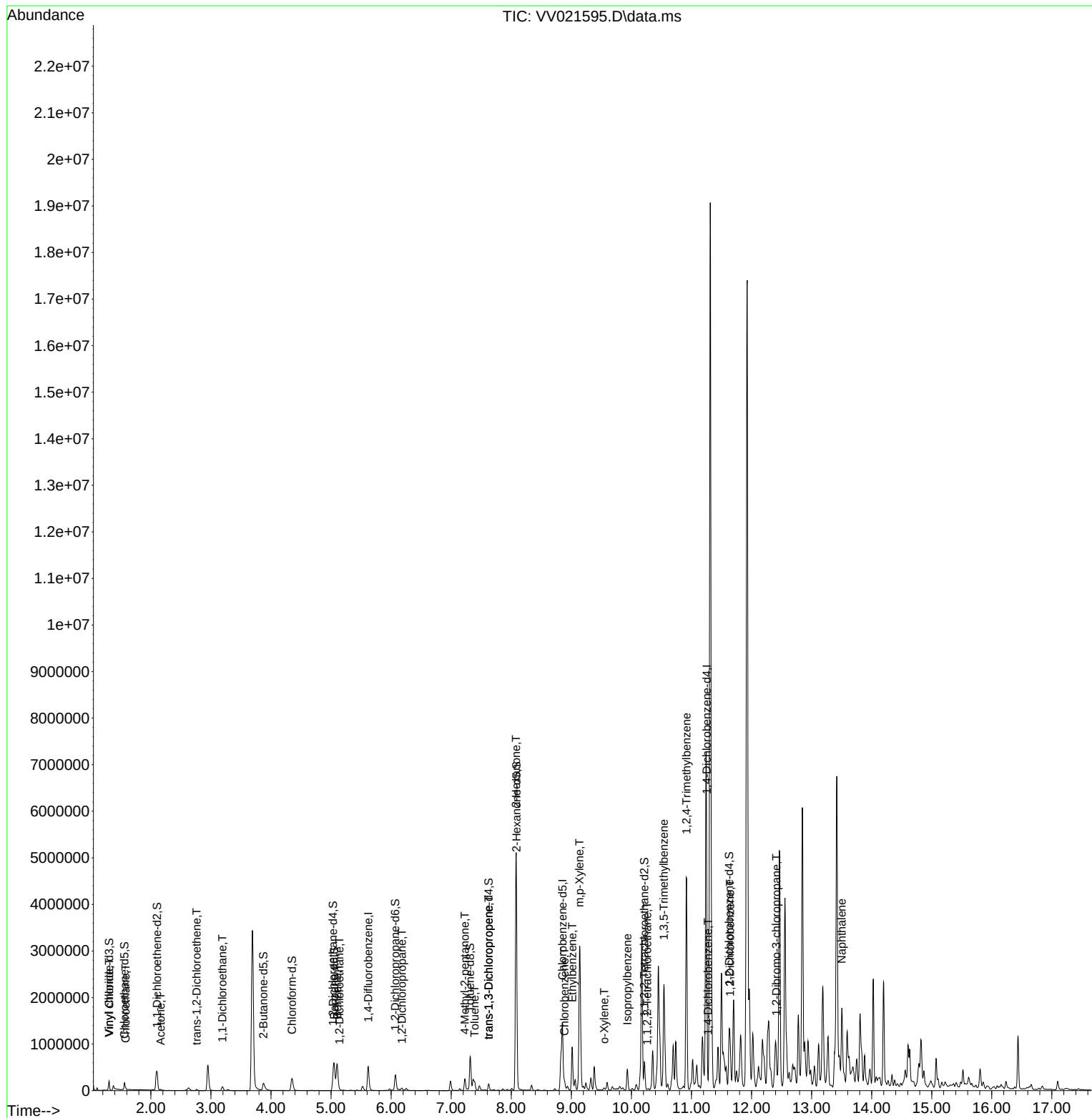
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.918	105	2384895	182.758	ug/L	100
65) 1,4-Dichlorobenzene	11.275	146	9196	1.293	ug/L #	89
67) 1,2-Dichlorobenzene	11.644	146	6131	0.860	ug/L #	78
68) 1,2-Dibromo-3-chloropr...	12.416	75	2187	1.720	ug/L #	5
71) Naphthalene	13.503	128	1120199	80.439	ug/L	99

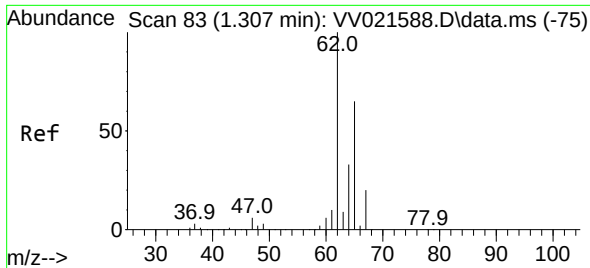
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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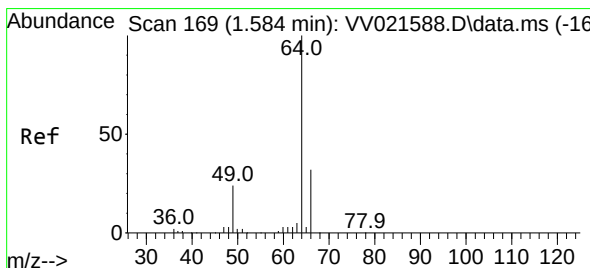
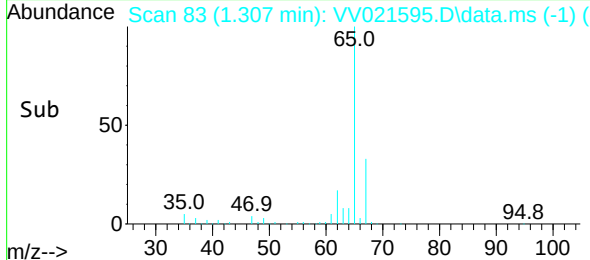
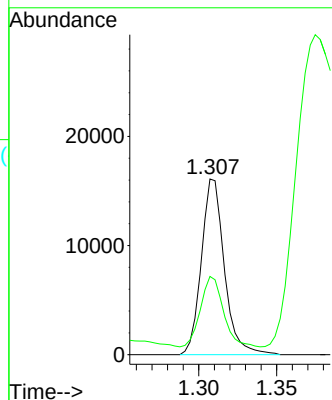
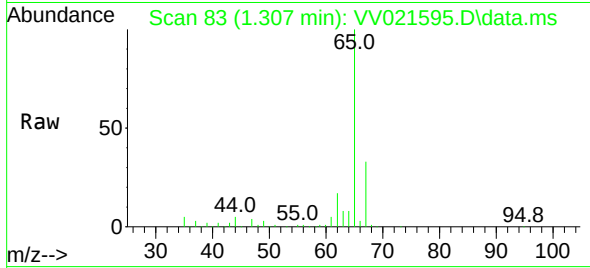




#5
 Vinyl chloride
 Concen: 4.272 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV021595.D
 Acq: 02 Jul 2021 13:50

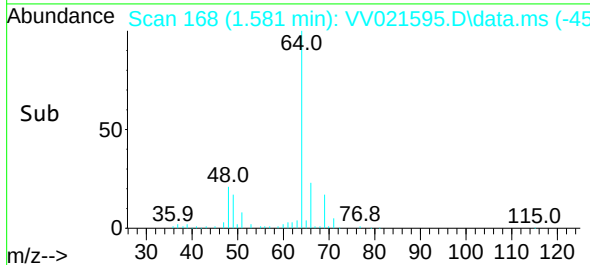
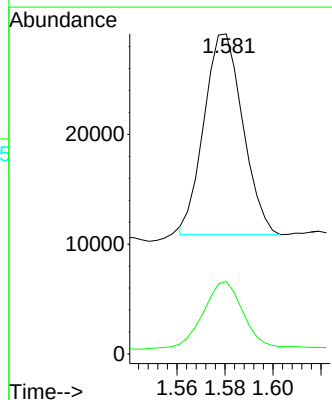
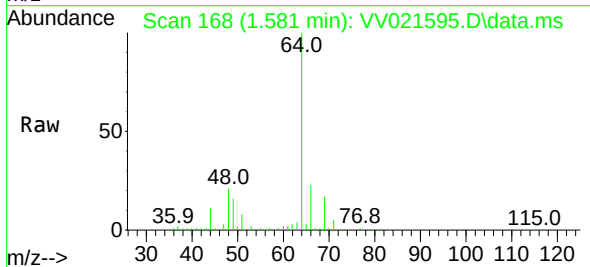
Instrument :
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 ClientSampleId :
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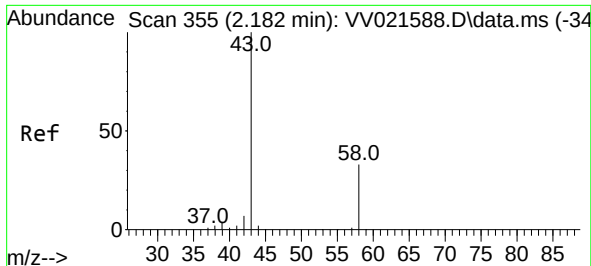
Tgt Ion: 62 Resp: 16554
 Ion Ratio Lower Upper
 62 100
 64 44.6 23.3 43.3#



#8
 Chloroethane
 Concen: 9.215 ug/L
 RT: 1.581 min Scan# 168
 Delta R.T. -0.003 min
 Lab File: VV021595.D
 Acq: 02 Jul 2021 13:50

Tgt Ion: 64 Resp: 20529
 Ion Ratio Lower Upper
 64 100
 66 22.6 22.3 41.3

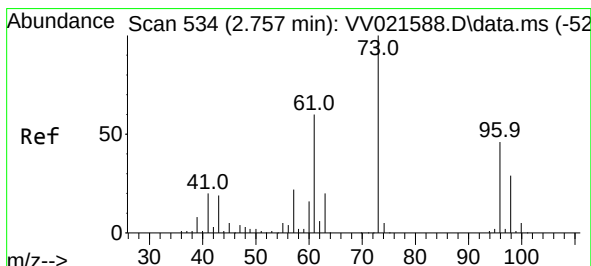
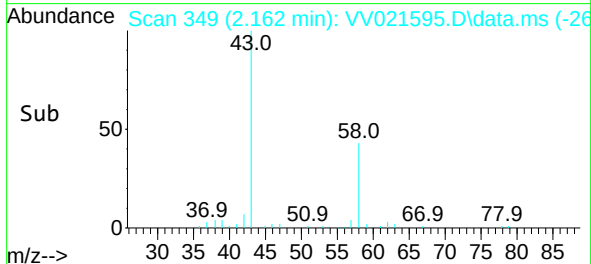
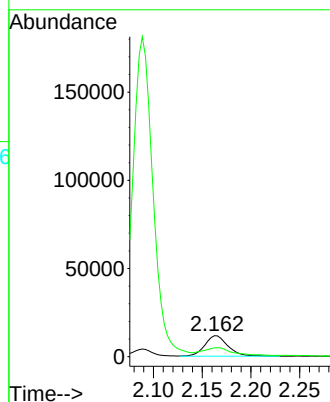
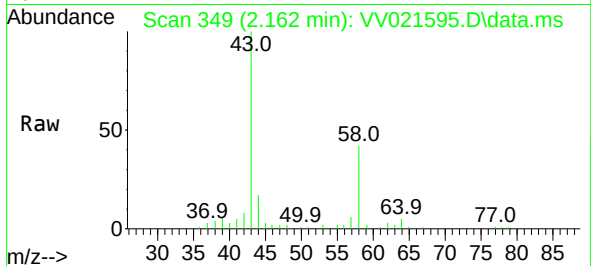




#13
Acetone
Concen: 9.203 ug/L
RT: 2.162 min Scan# 349
Delta R.T. -0.019 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

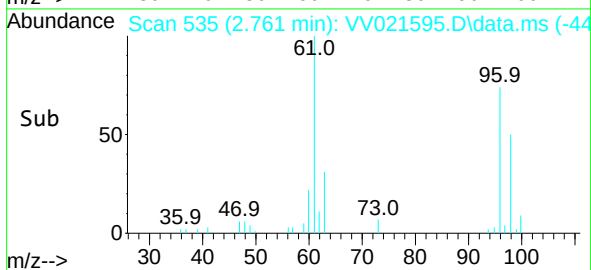
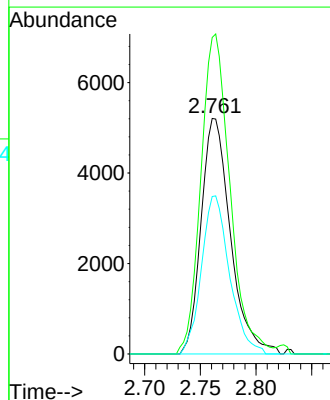
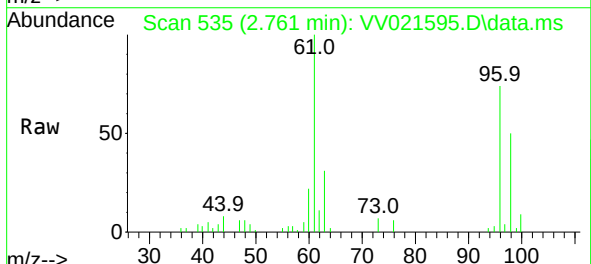
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ClientSampleId :
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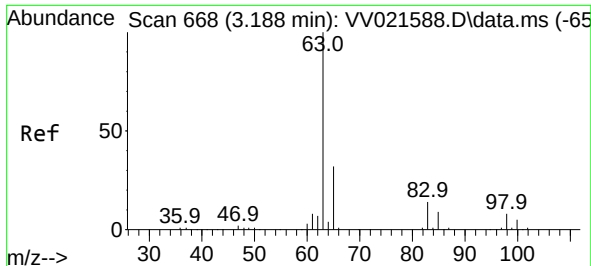
Tgt Ion: 43 Resp: 19325
Ion Ratio Lower Upper
43 100
58 41.4 0.0 0.0#



#17
trans-1,2-Dichloroethene
Concen: 2.914 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

Tgt Ion: 96 Resp: 9544
Ion Ratio Lower Upper
96 100
61 134.4 93.0 172.6
98 66.9 44.2 82.0





#19

1,1-Dichloroethane

Concen: 14.001 ug/L

RT: 3.191 min Scan# 669

Delta R.T. 0.003 min

Lab File: VV021595.D

Acq: 02 Jul 2021 13:50

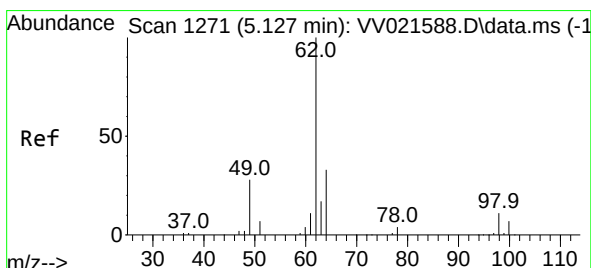
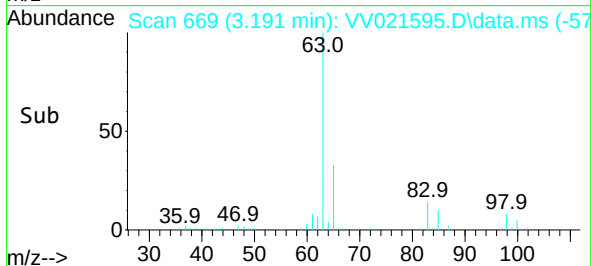
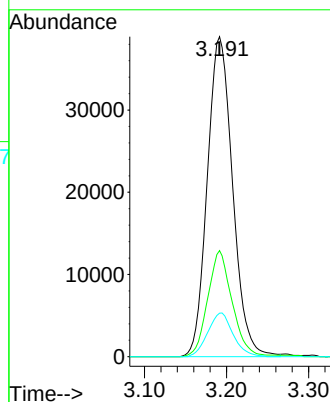
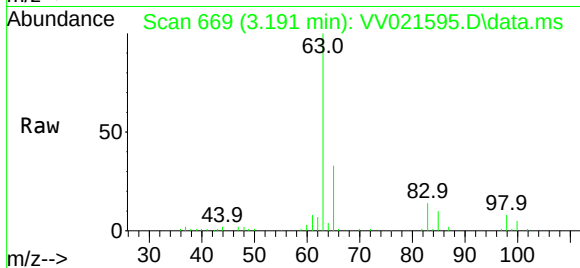
Tgt Ion: 63 Resp: 83528

Ion Ratio Lower Upper

63 100

65 33.2 22.4 41.6

83 13.6 9.4 17.6



#27

1,2-Dichloroethane

Concen: 1.544 ug/L

RT: 5.140 min Scan# 1275

Delta R.T. 0.013 min

Lab File: VV021595.D

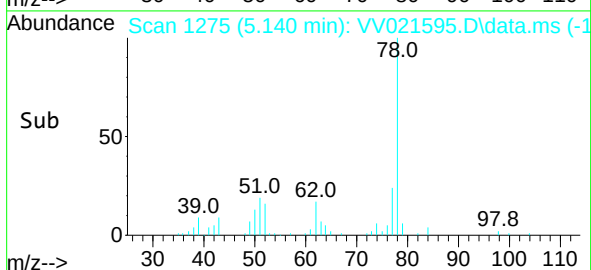
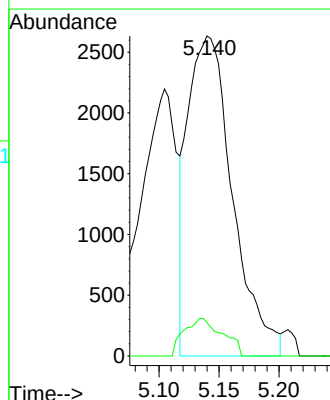
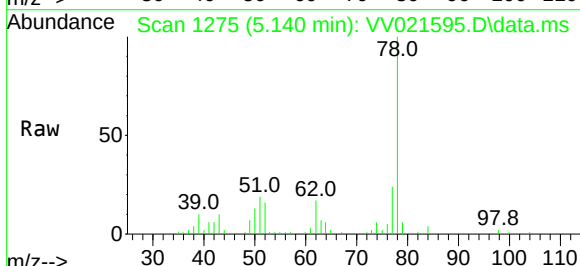
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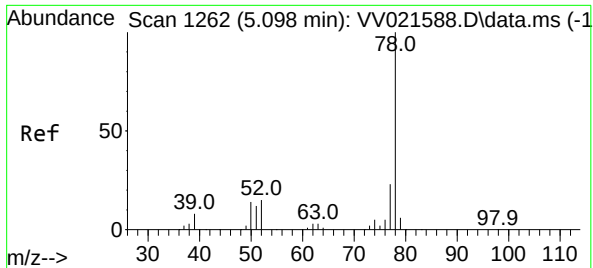
Tgt Ion: 62 Resp: 6831

Ion Ratio Lower Upper

62 100

98 10.5 8.2 12.4

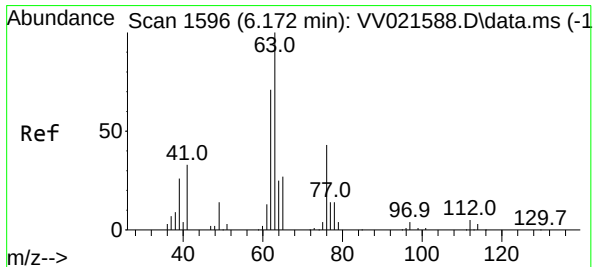
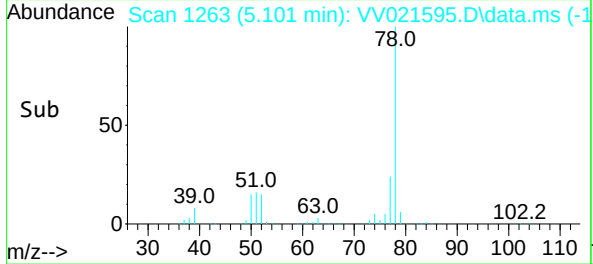
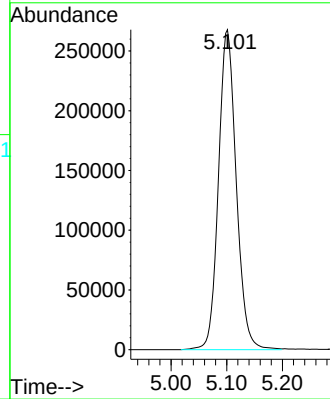
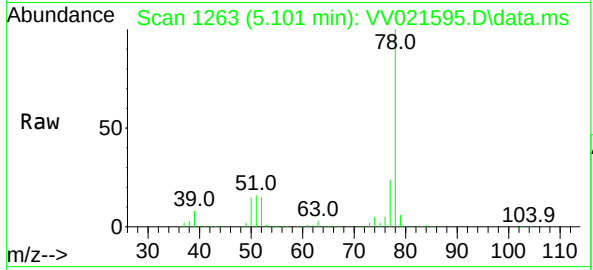




#33
Benzene
Concen: 44.996 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

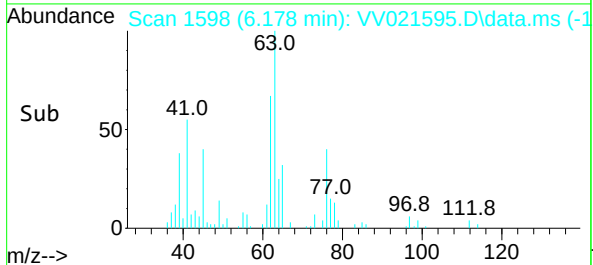
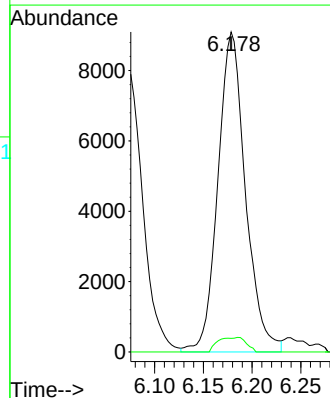
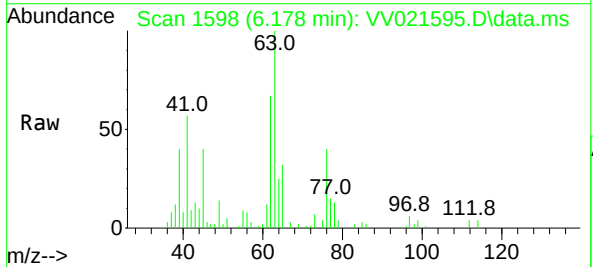
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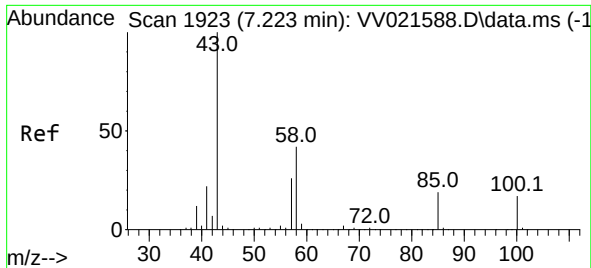
Tgt Ion: 78 Resp: 594146



#37
1,2-Dichloropropane
Concen: 5.222 ug/L
RT: 6.178 min Scan# 1598
Delta R.T. 0.007 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

Tgt Ion: 63 Resp: 17923
Ion Ratio Lower Upper
63 100
112 2.4 3.8 5.6#

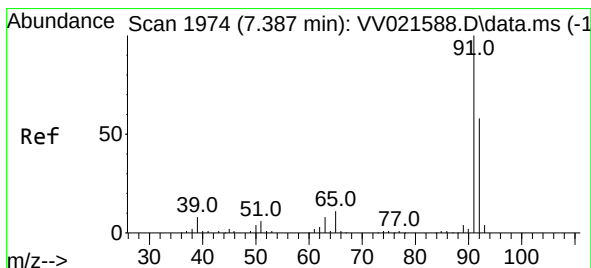
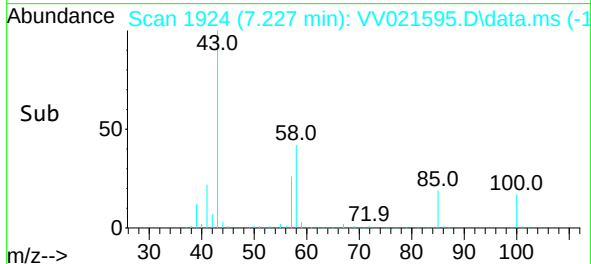
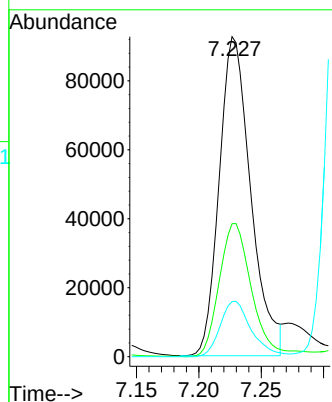
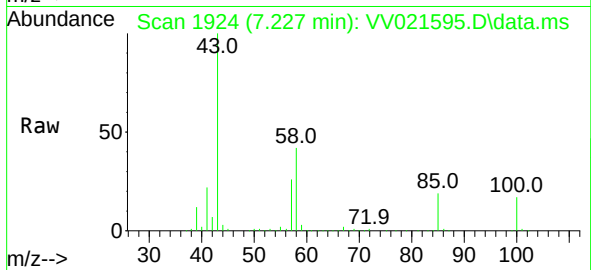




#40
4-Methyl-2-pentanone
Concen: 32.308 ug/L
RT: 7.227 min Scan# 1924
Delta R.T. 0.003 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

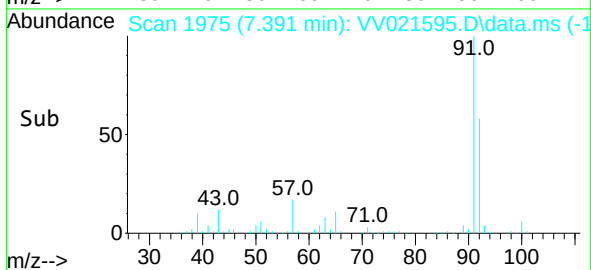
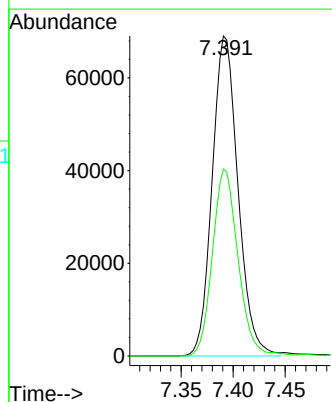
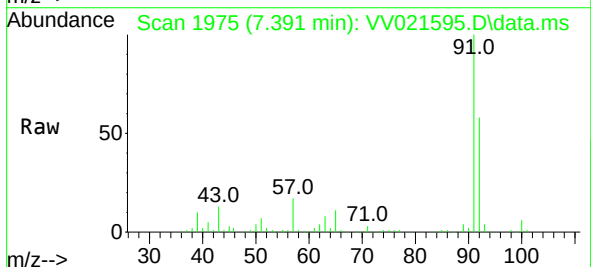
Instrument :
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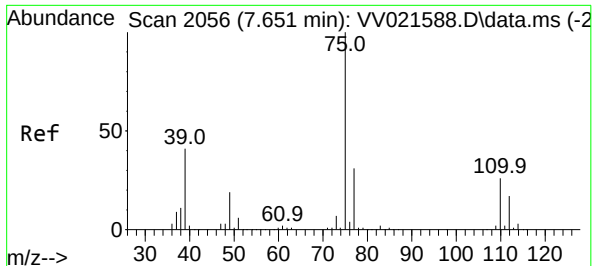
Tgt Ion: 43 Resp: 162773
Ion Ratio Lower Upper
43 100
58 42.6 32.8 49.2
100 17.2 13.5 20.3



#42
Toluene
Concen: 8.445 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

Tgt Ion: 91 Resp: 119440
Ion Ratio Lower Upper
91 100
92 58.4 40.6 75.4

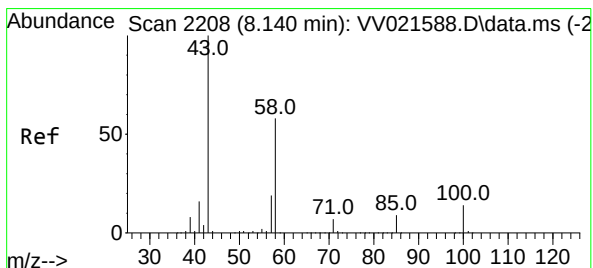
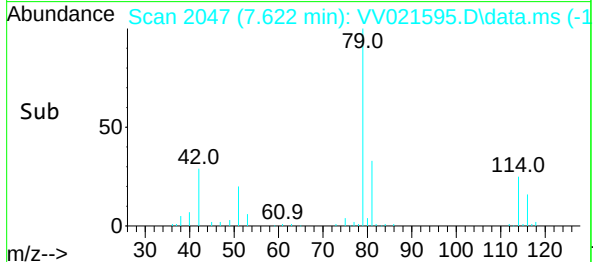
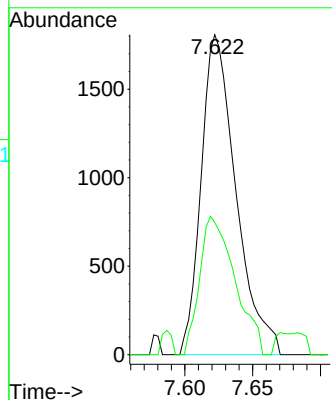
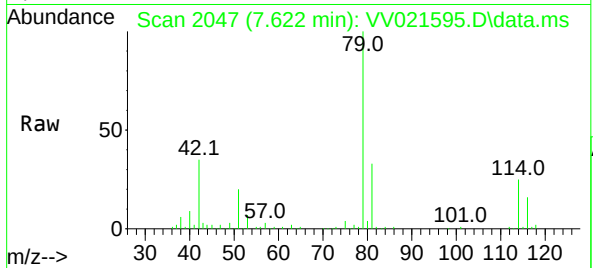




#44
trans-1,3-Dichloropropene
Concen: 0.612 ug/L
RT: 7.622 min Scan# 2047
Delta R.T. -0.029 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

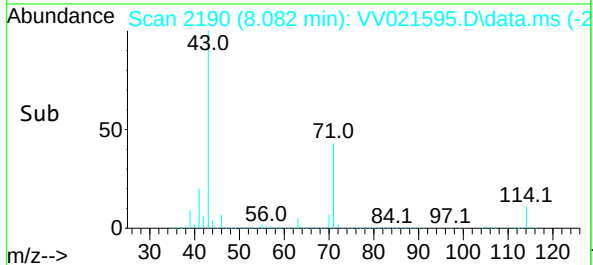
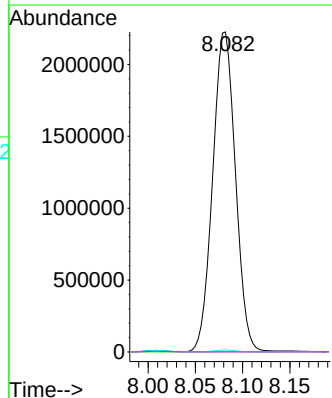
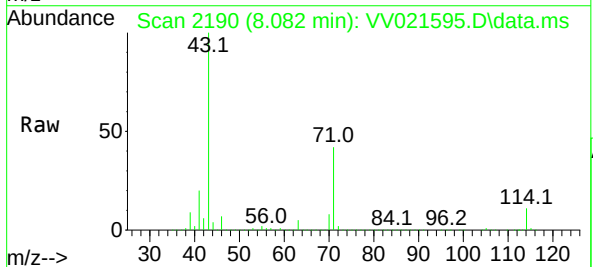
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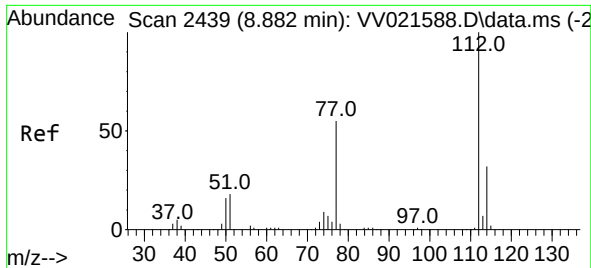
Tgt Ion: 75 Resp: 3235
Ion Ratio Lower Upper
75 100
77 41.3 21.8 40.4#



#48
2-Hexanone
Concen: 934.230 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.058 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

Tgt Ion: 43 Resp: 3720433
Ion Ratio Lower Upper
43 100
58 0.1 46.7 70.1#
57 0.6 15.5 23.3#
100 0.0 11.0 16.4#

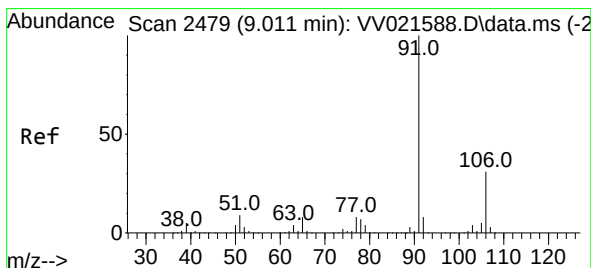
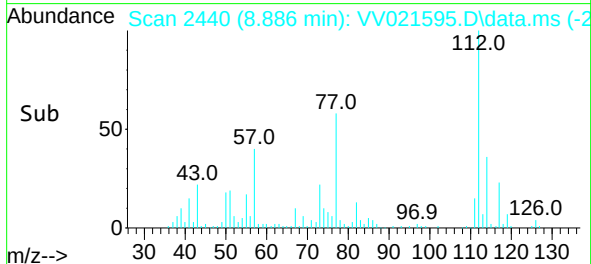
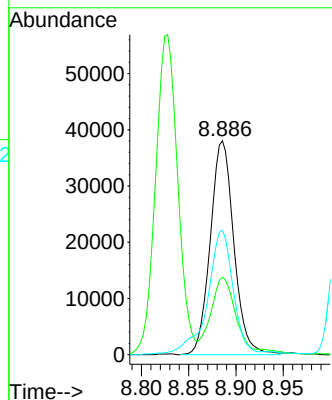
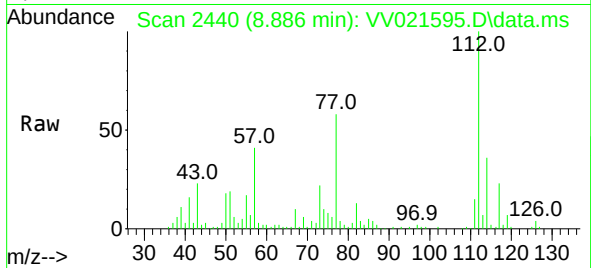




#51
Chlorobenzene
Concen: 7.175 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.003 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

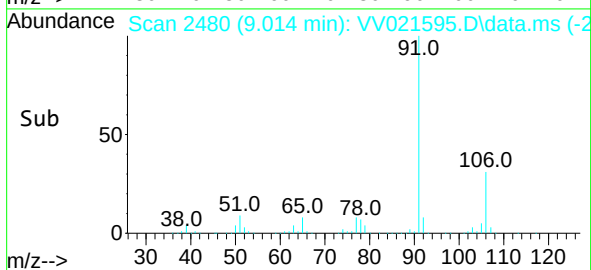
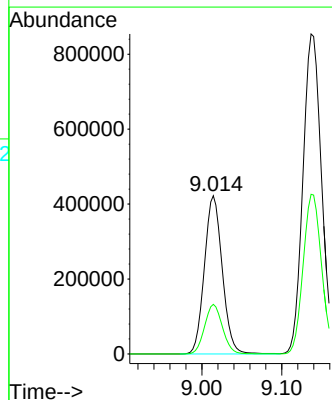
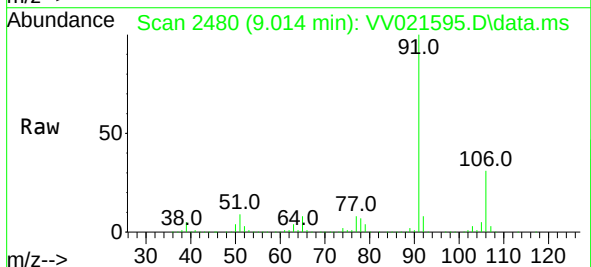
Instrument :
MSVOA_V
ClientSampleId :
DBK31

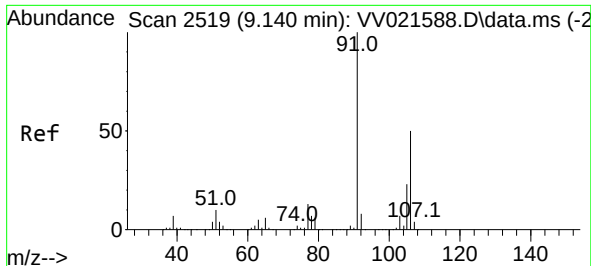
Tgt Ion:112 Resp: 66040
Ion Ratio Lower Upper
112 100
114 36.2 21.9 40.7
77 58.2 44.0 66.0



#52
Ethylbenzene
Concen: 42.834 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

Tgt Ion: 91 Resp: 658166
Ion Ratio Lower Upper
91 100
106 31.3 21.8 40.6





#53

m,p-Xylene

Concen: 115.843 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. -0.003 min

Lab File: VV021595.D

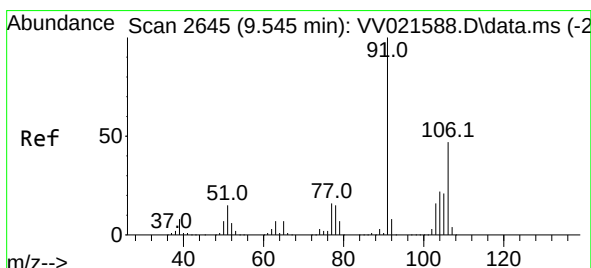
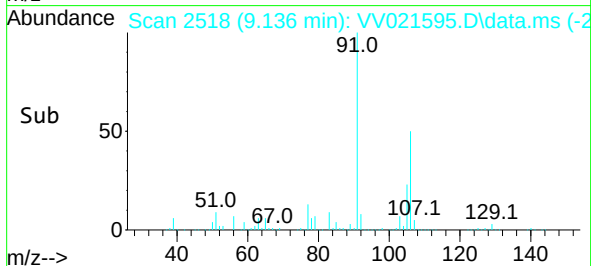
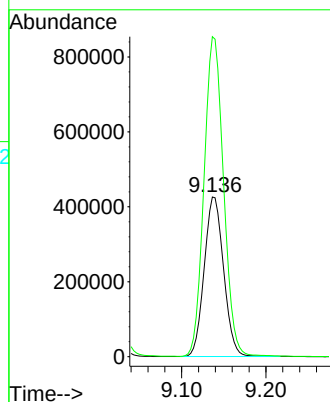
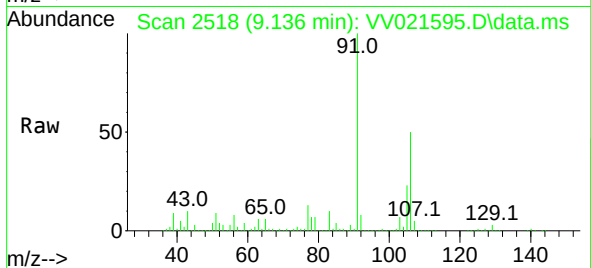
Acq: 02 Jul 2021 13:50

Tgt Ion:106 Resp: 683090

Ion Ratio Lower Upper

106 100

91 200.3 138.7 257.5



#54

o-Xylene

Concen: 0.711 ug/L

RT: 9.548 min Scan# 2646

Delta R.T. 0.003 min

Lab File: VV021595.D

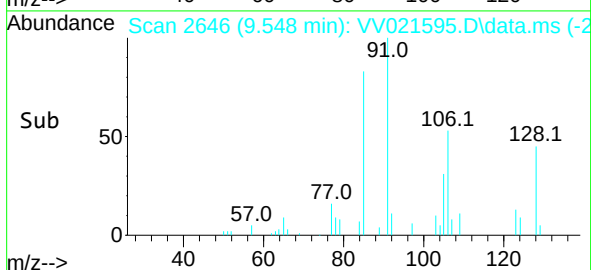
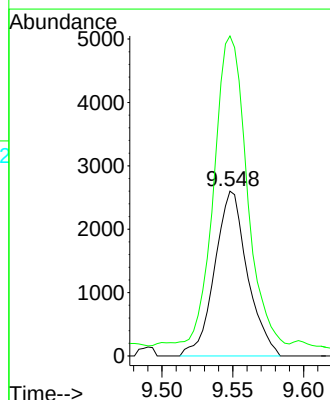
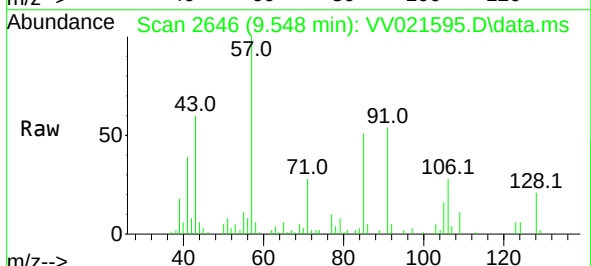
Acq: 02 Jul 2021 13:50

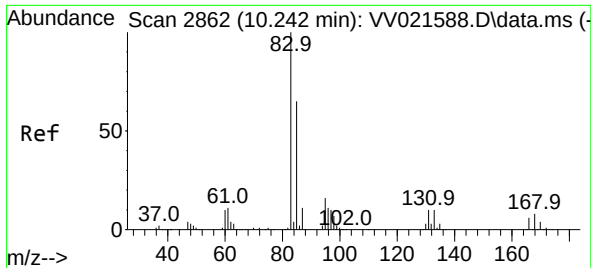
Tgt Ion:106 Resp: 4181

Ion Ratio Lower Upper

106 100

91 194.2 149.0 276.8

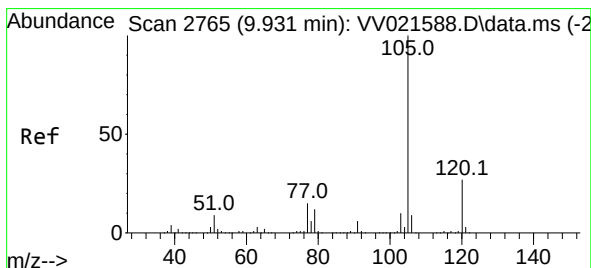
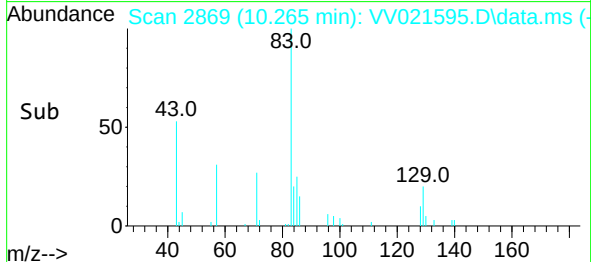
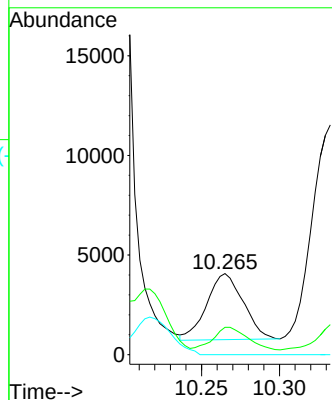
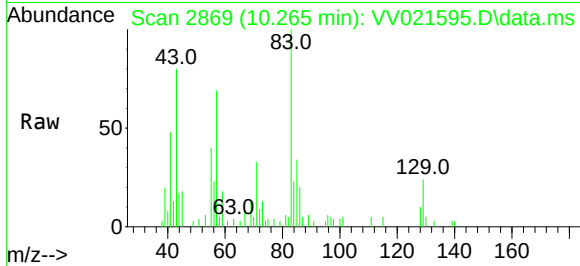




#57
1,1,2,2-Tetrachloroethane
Concen: 1.029 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. 0.023 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

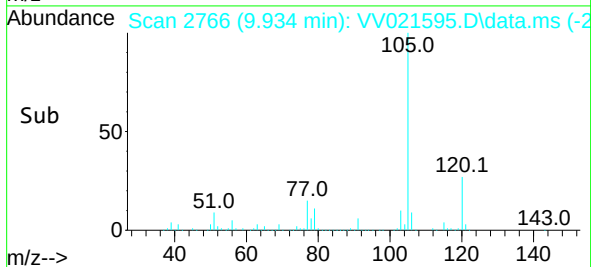
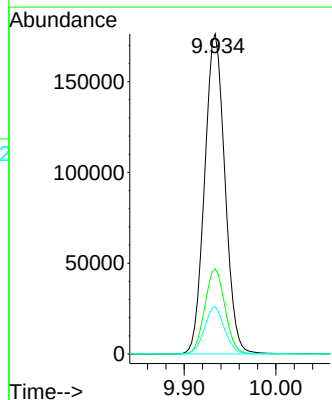
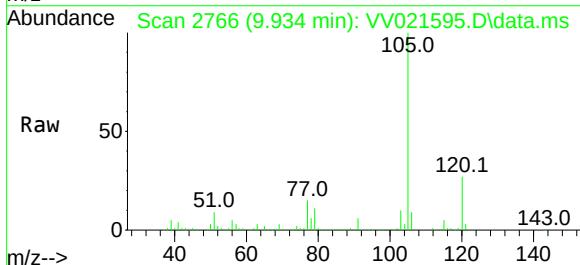
Instrument :
MSVOA_V
ClientSampleId :
DBK31

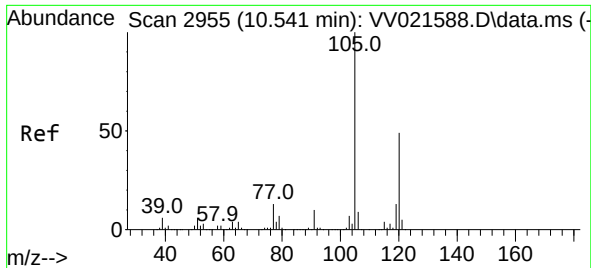
Tgt Ion: 83 Resp: 5406
Ion Ratio Lower Upper
83 100
85 33.8 45.0 83.6#
131 0.0 8.4 12.6#



#60
Isopropylbenzene
Concen: 17.963 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

Tgt Ion: 105 Resp: 271782
Ion Ratio Lower Upper
105 100
120 26.4 21.5 32.3
77 14.7 12.0 18.0

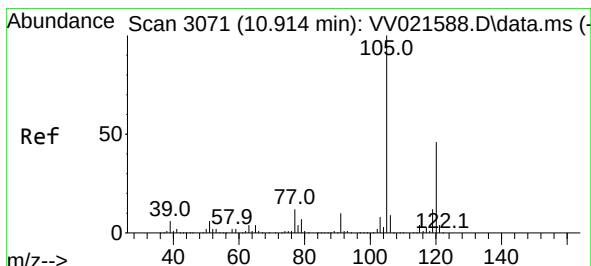
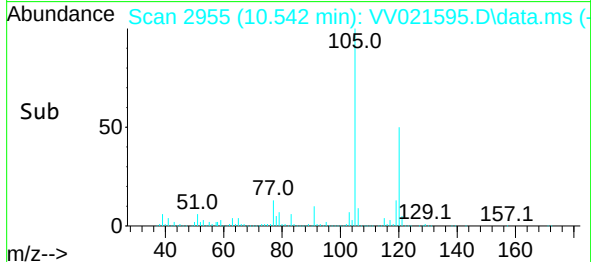
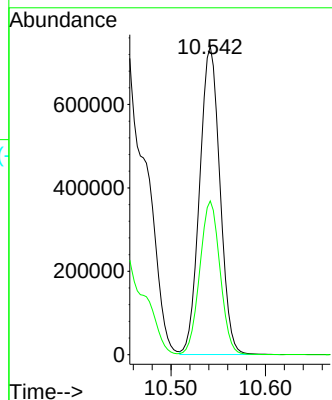
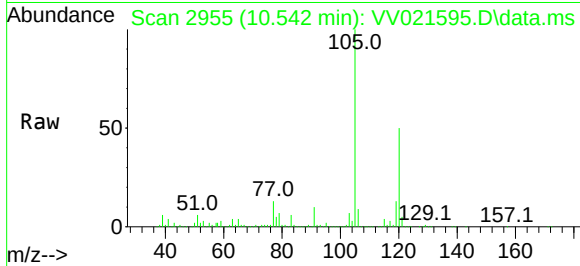




#62
1,3,5-Trimethylbenzene
Concen: 85.422 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.000 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

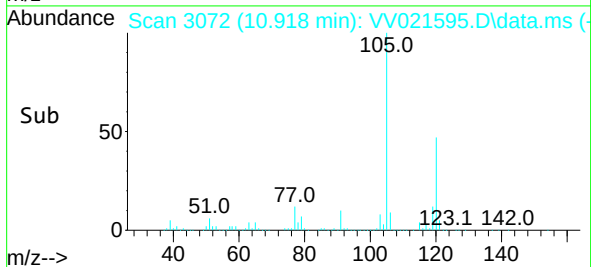
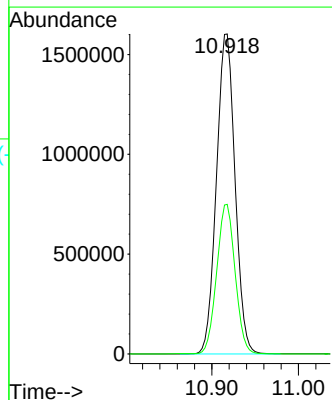
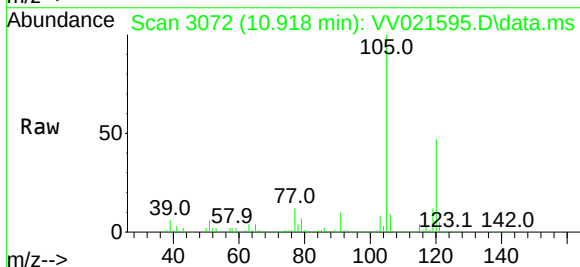
Instrument :
MSVOA_V
ClientSampleId :
DBK31

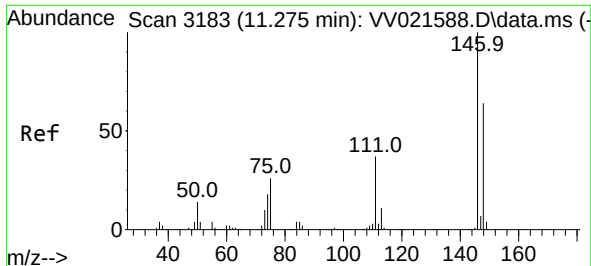
Tgt Ion:105 Resp: 1101496
Ion Ratio Lower Upper
105 100
120 49.9 40.0 60.0



#63
1,2,4-Trimethylbenzene
Concen: 182.758 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

Tgt Ion:105 Resp: 2384895
Ion Ratio Lower Upper
105 100
120 46.4 37.1 55.7

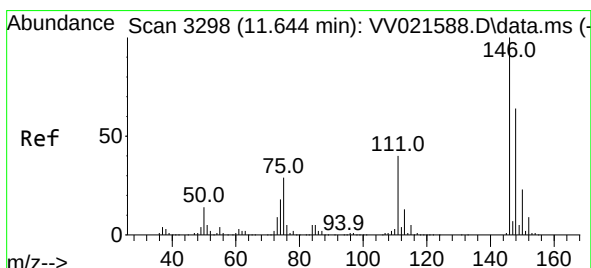
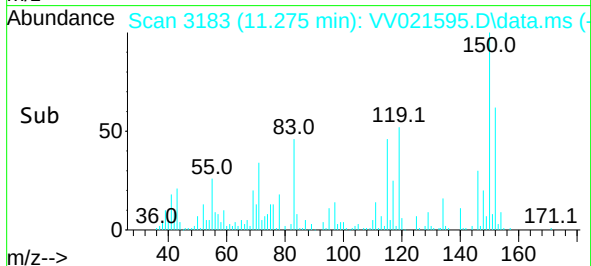
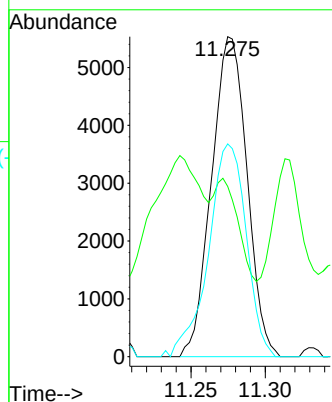
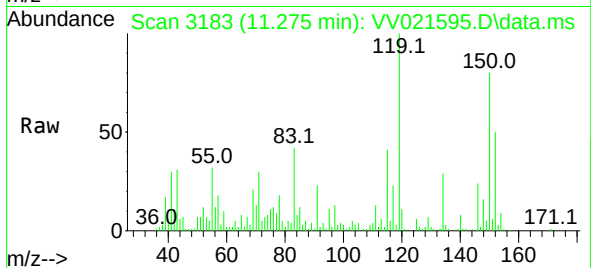




#65
1,4-Dichlorobenzene
Concen: 1.293 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.000 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

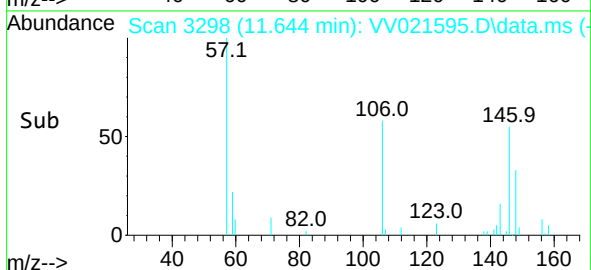
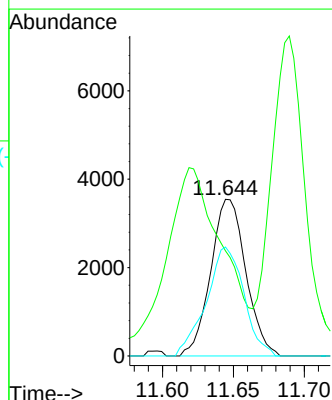
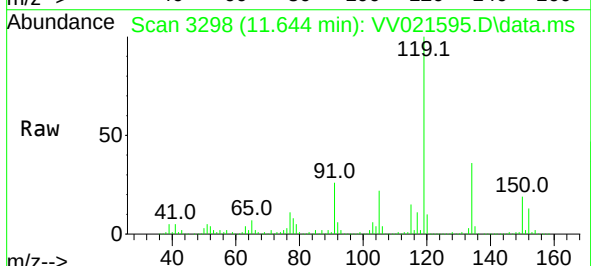
Instrument :
MSVOA_V
ClientSampleId :
DBK31

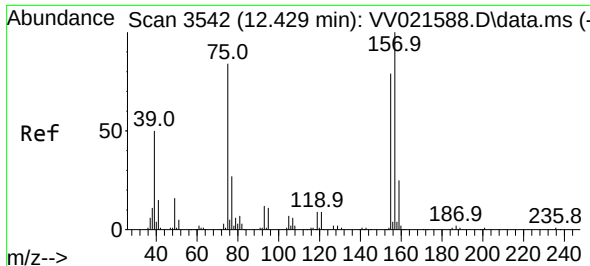
Tgt Ion:146 Resp: 9196
Ion Ratio Lower Upper
146 100
111 53.2 26.6 49.4#
148 66.5 45.2 84.0



#67
1,2-Dichlorobenzene
Concen: 0.860 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.000 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

Tgt Ion:146 Resp: 6131
Ion Ratio Lower Upper
146 100
111 67.1 32.6 48.8#
148 69.6 50.5 75.7

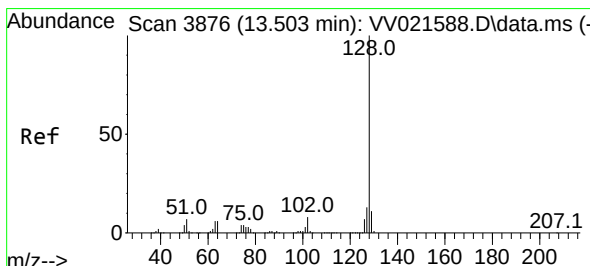
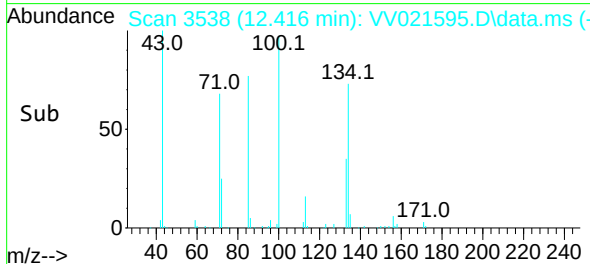
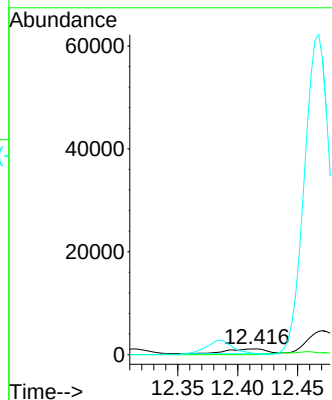
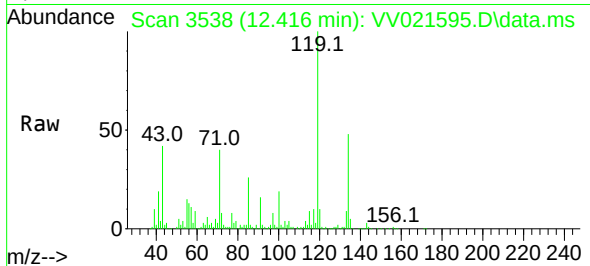




#68
1,2-Dibromo-3-chloropropane
Concen: 1.720 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. -0.013 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

Instrument :
MSVOA_V
ClientSampleId :
DBK31

Tgt Ion: 75 Resp: 2187
Ion Ratio Lower Upper
75 100
155 0.0 75.9 113.9#
157 17.9 96.7 145.1#



#71
Naphthalene
Concen: 80.439 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.000 min
Lab File: VV021595.D
Acq: 02 Jul 2021 13:50

Tgt Ion: 128 Resp: 1120199
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.4 8.6 13.0

