

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121021\
 Data File : VW023921.D
 Acq On : 11 Dec 2021 05:25
 Operator : SY/MD
 Sample : M5005-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 11 06:51:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 11 04:33:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	101322	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	109672	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	73898	5.000	ug/L	# 0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	25381	4.660	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.200%
7) Chloroethane-d5	1.568	69	23171	5.099	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.000%
11) 1,1-Dichloroethene-d2	2.108	63	34188	3.215	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.400%
20) 2-Butanone-d5	3.899	46	72657	68.275	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.560%#
24) Chloroform-d	4.352	84	60601	4.912	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.037	65	29456	5.128	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	5.053	84	101466	4.671	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	6.072	67	32894	5.019	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.317	98	82972	4.243	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
43) trans-1,3-Dichloroprop...	7.628	79	11613	4.271	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.088	63	60687	49.862	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.720%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	26569	4.887	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	11.628	152	48018	4.865	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%

Target Compounds				Qvalue		
5) Vinyl chloride	1.310	62	373	0.046	ug/L #	1
12) 1,1-Dichloroethene	2.111	96	522	0.077	ug/L #	1
13) Acetone	2.191	43	34316	40.306	ug/L	73
15) Methyl Acetate	2.426	43	13039	6.318	ug/L #	50
19) 1,1-Dichloroethane	3.195	63	3873	0.287	ug/L	91
21) 2-Butanone	4.079	43	31232	25.674	ug/L #	54
22) cis-1,2-Dichloroethene	3.915	96	14253	1.789	ug/L	98
34) Trichloroethene	5.915	95	33852	3.868	ug/L	97
37) 1,2-Dichloropropane	6.069	63	4194	0.569	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1146	0.105	ug/L #	68
40) 4-Methyl-2-pentanone	7.239	43	4096	1.156	ug/L #	86
47) Tetrachloroethene	7.976	164	26568	3.448	ug/L	100
48) 2-Hexanone	8.088	43	7176	2.794	ug/L #	68
49) Dibromochloromethane	7.976	129	22918	3.088	ug/L #	11
51) Chlorobenzene	8.879	112	329328	14.112	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.496	83	1533	0.257	ug/L #	26
61) 1,2,3-Trichloropropane	11.181	75	425265	84.475	ug/L #	47
64) 1,3-Dichlorobenzene	11.181	146	1529987	68.949	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	5771203	258.949	ug/L	97

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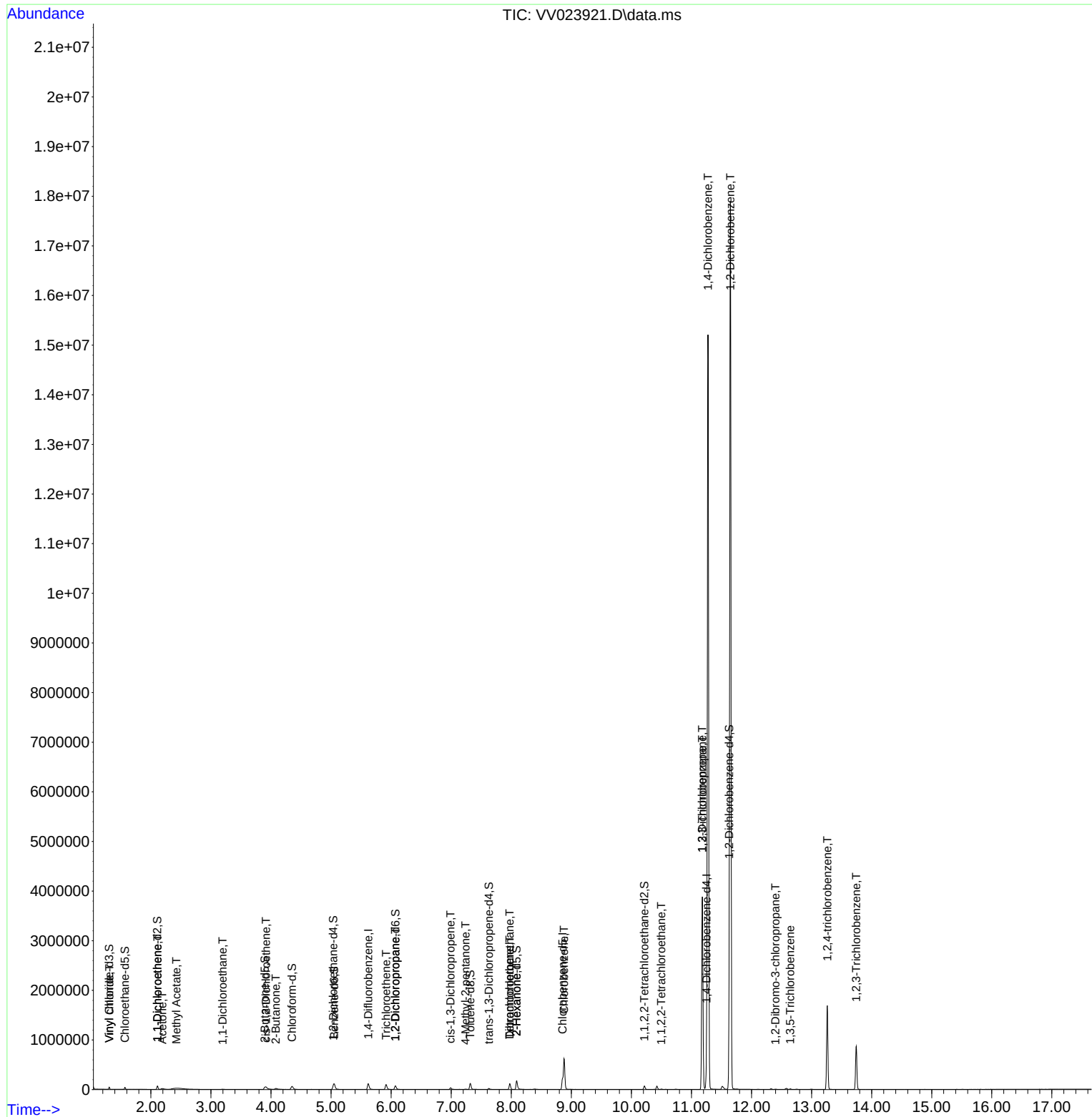
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.648	146	6776973	333.353	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.397	75	1105	1.005	ug/L #	1
69) 1,3,5-Trichlorobenzene	12.644	180	3462	0.190	ug/L #	95
70) 1,2,4-trichlorobenzene	13.262	180	497960	34.738	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	260334	20.571	ug/L	99

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

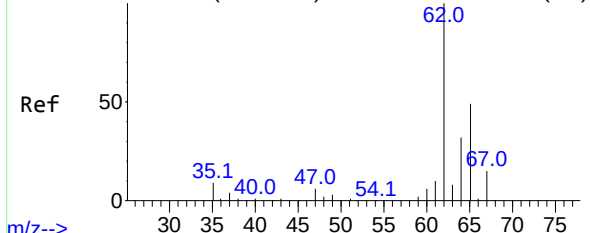
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121021\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Dec 11 04:33:17 2021
Response via : Initial Calibration

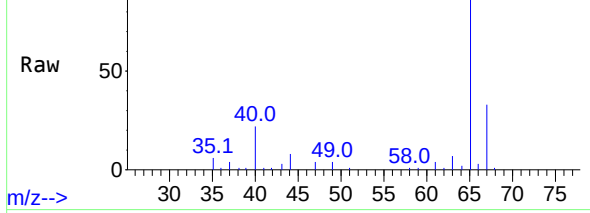


Abundance Scan 84 (1.310 min): VV023902.D\data.ms (-76)



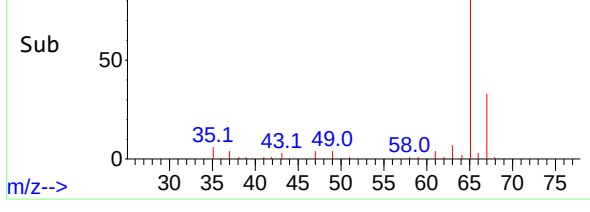
m/z-->

Abundance Scan 84 (1.310 min): VV023921.D\data.ms



m/z-->

Abundance Scan 84 (1.310 min): VV023921.D\data.ms (-1)



m/z-->

#5

Vinyl chloride

Concen: 0.046 ug/L

RT: 1.310 min Scan# 84

Delta R.T. 0.000 min

Lab File: VV023921.D

Acq: 11 Dec 2021 05:25

Instrument :

MSVOA_V

ClientSampleId :

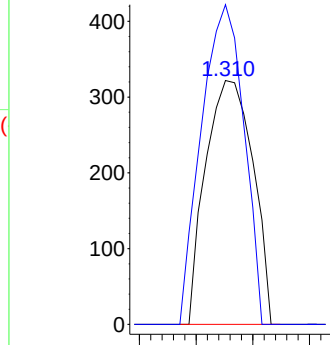
Tgt Ion: 62 Resp: 373

Ion Ratio Lower Upper

62 100

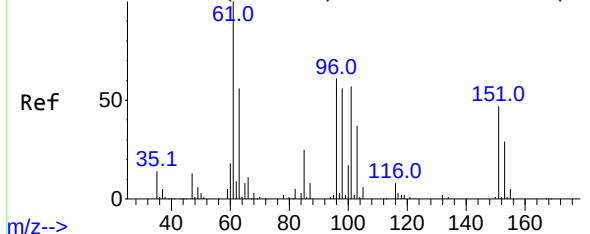
64 131.1 22.4 41.6#

Abundance



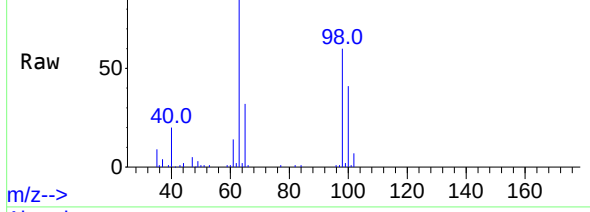
Time-->

Abundance Scan 336 (2.121 min): VV023902.D\data.ms (-32)



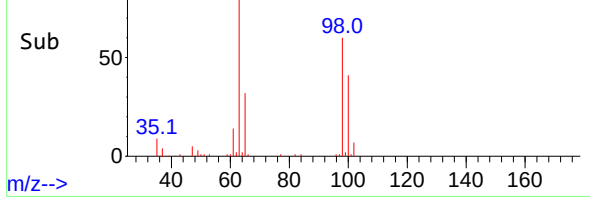
m/z-->

Abundance Scan 333 (2.111 min): VV023921.D\data.ms



m/z-->

Abundance Scan 333 (2.111 min): VV023921.D\data.ms (-24)



m/z-->

#12

1,1-Dichloroethene

Concen: 0.077 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.006 min

Lab File: VV023921.D

Acq: 11 Dec 2021 05:25

Tgt Ion: 96 Resp: 522

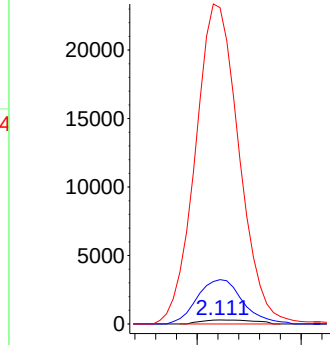
Ion Ratio Lower Upper

96 100

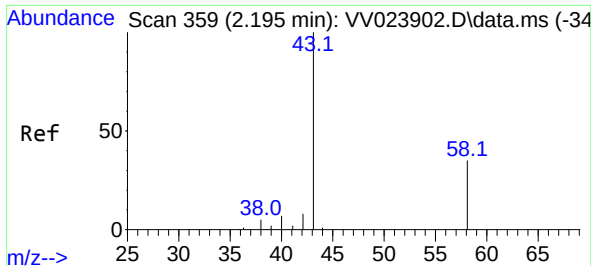
61 1109.2 116.1 215.5#

63 7912.3 79.4 147.4#

Abundance



Time-->



#13

Acetone

Concen: 40.306 ug/L

RT: 2.191 min Scan# 3

Delta R.T. 0.000 min

Lab File: VV023921.D

Acq: 11 Dec 2021 05:25

Instrument :

MSVOA_V

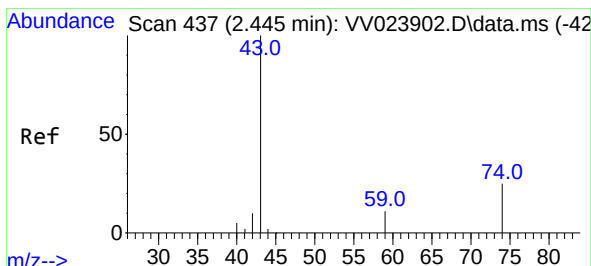
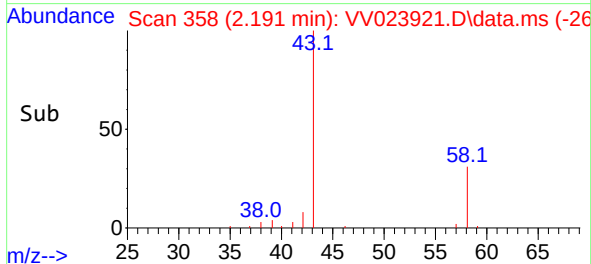
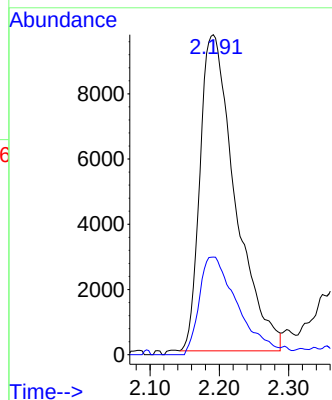
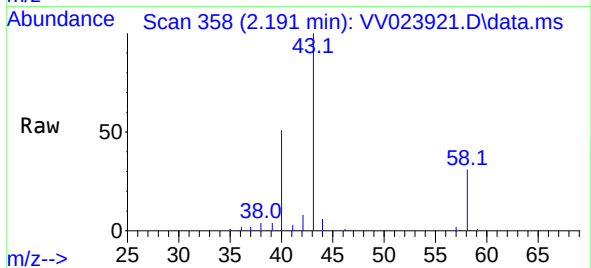
ClientSampleId :

Tgt Ion: 43 Resp: 34316

Ion Ratio Lower Upper

43 100

58 33.4 0.0 41.4



#15

Methyl Acetate

Concen: 6.318 ug/L

RT: 2.426 min Scan# 431

Delta R.T. -0.010 min

Lab File: VV023921.D

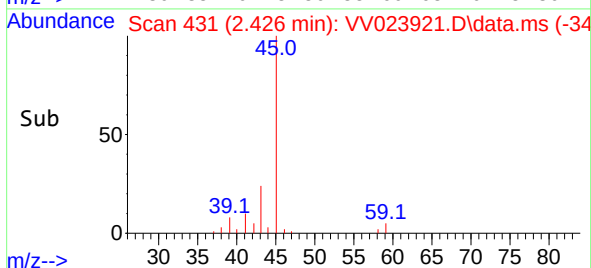
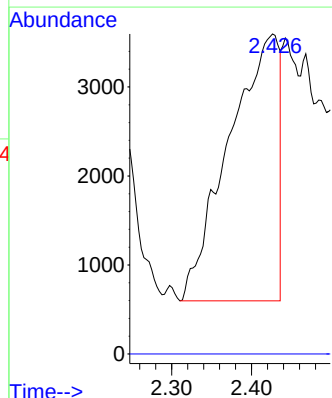
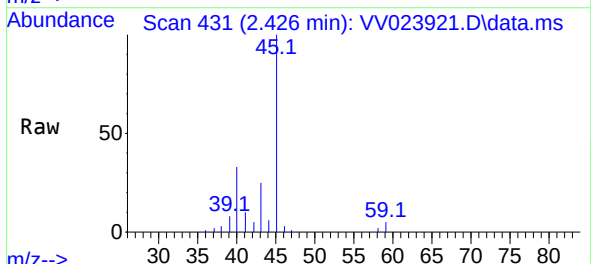
Acq: 11 Dec 2021 05:25

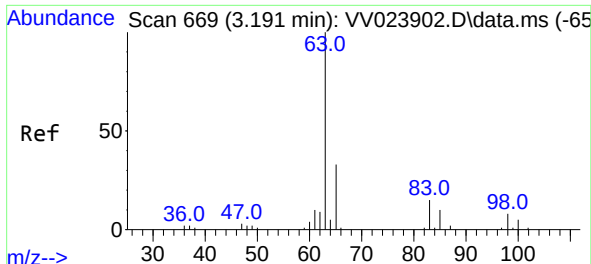
Tgt Ion: 43 Resp: 13039

Ion Ratio Lower Upper

43 100

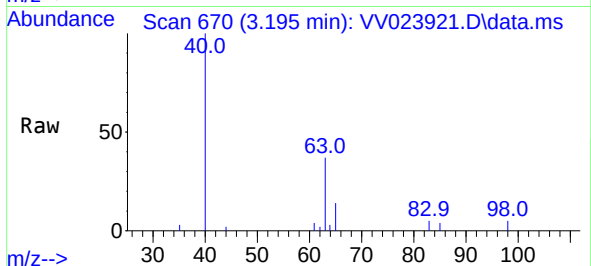
74 0.0 20.2 30.2#



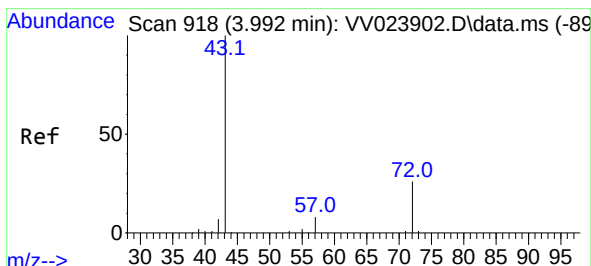
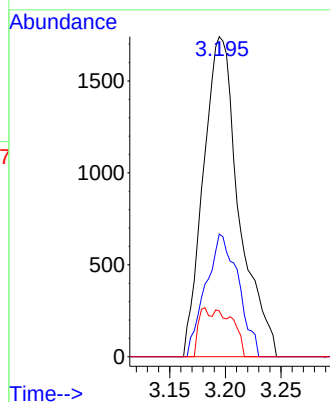
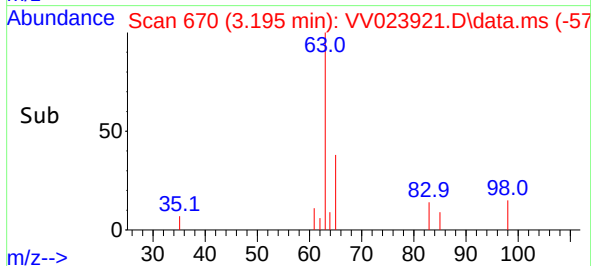


#19
1,1-Dichloroethane
Concen: 0.287 ug/L
RT: 3.195 min Scan# 61
Delta R.T. 0.006 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

Instrument :
MSVOA_V
ClientSampleId :

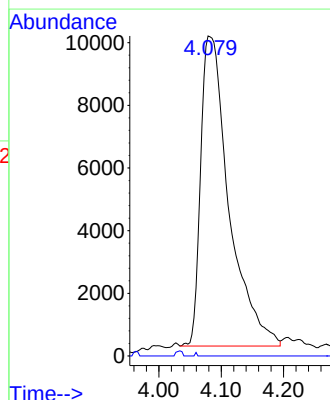
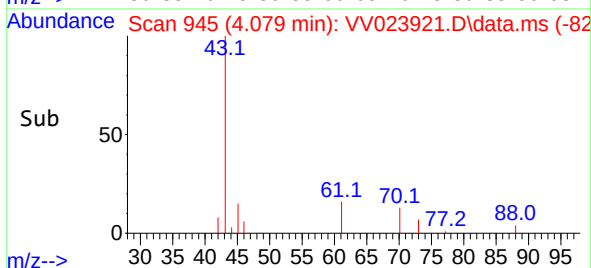
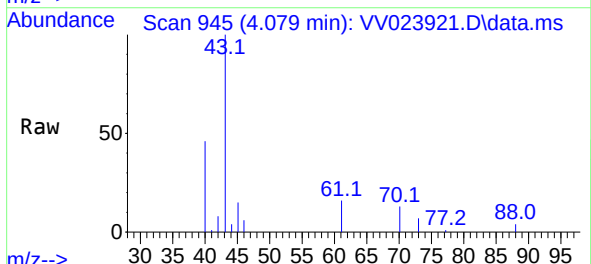


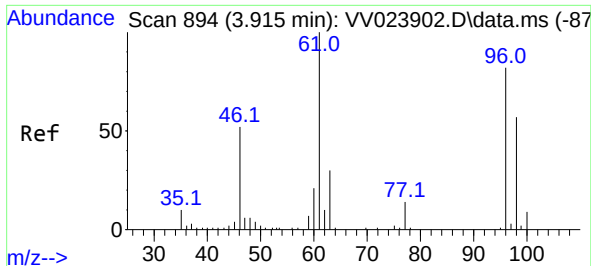
Tgt Ion: 63 Resp: 3873
Ion Ratio Lower Upper
63 100
65 38.3 22.3 41.3
83 14.3 10.7 19.9



#21
2-Butanone
Concen: 25.674 ug/L
RT: 4.079 min Scan# 945
Delta R.T. 0.090 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

Tgt Ion: 43 Resp: 31232
Ion Ratio Lower Upper
43 100
72 0.1 11.1 33.1#

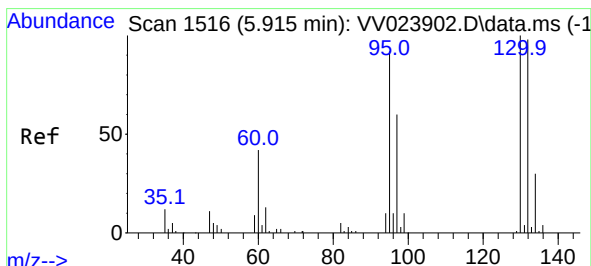
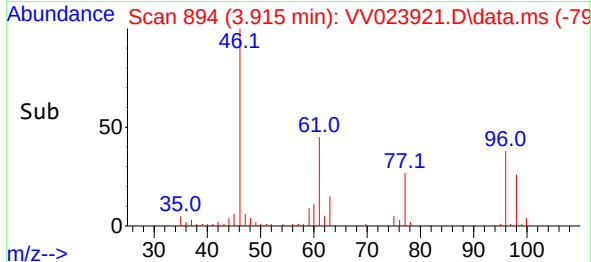
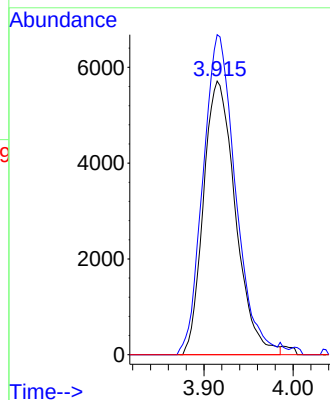
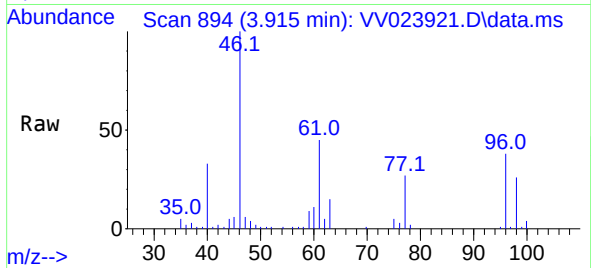




#22
cis-1,2-Dichloroethene
Concen: 1.789 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.006 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

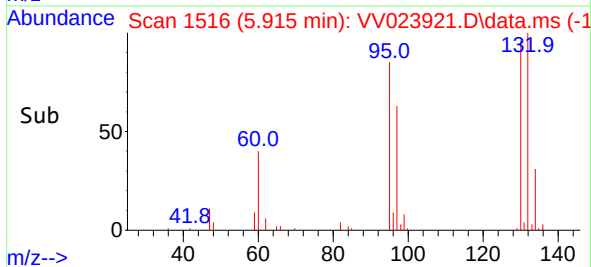
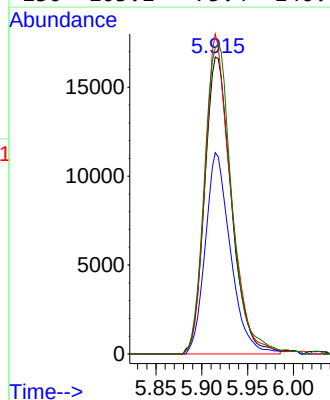
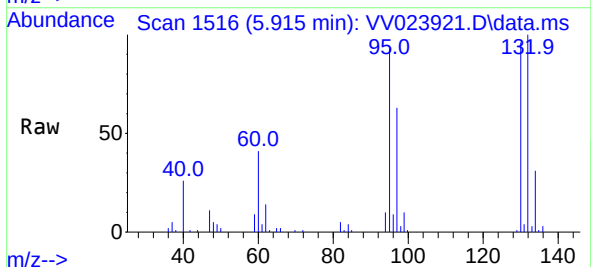
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MSVOA_V
ClientSampleId :

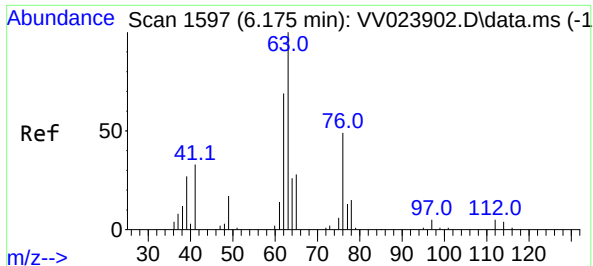
Tgt Ion: 96 Resp: 14253
Ion Ratio Lower Upper
96 100
61 117.0 83.4 154.8
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 3.868 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

Tgt Ion: 95 Resp: 33852
Ion Ratio Lower Upper
95 100
97 67.8 45.2 84.0
132 107.8 76.1 141.3
130 103.1 75.4 140.0

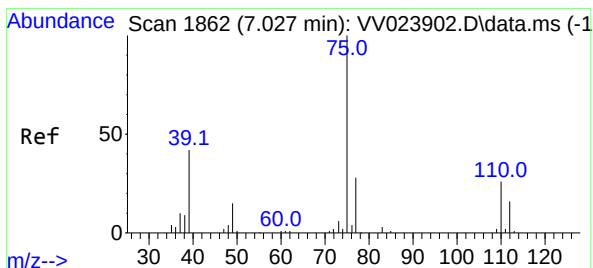
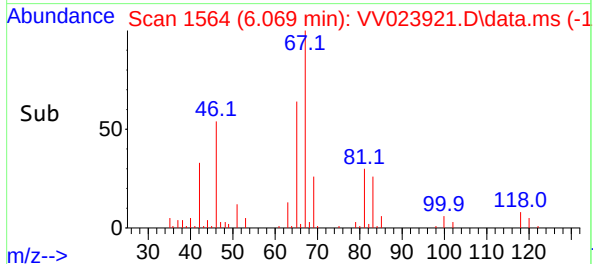
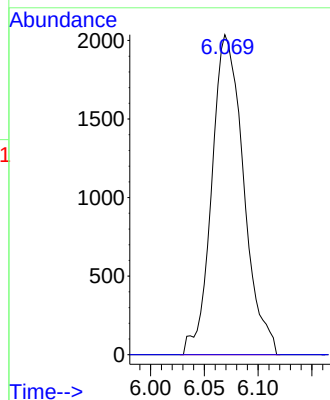
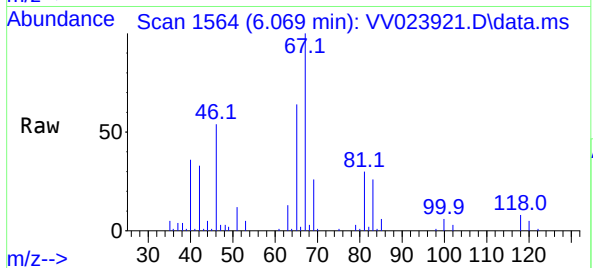




#37
1,2-Dichloropropane
Concen: 0.569 ug/L
RT: 6.069 min Scan# 11
Delta R.T. -0.100 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

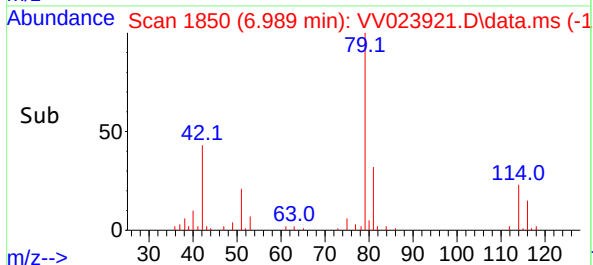
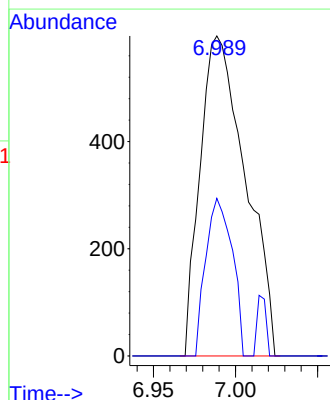
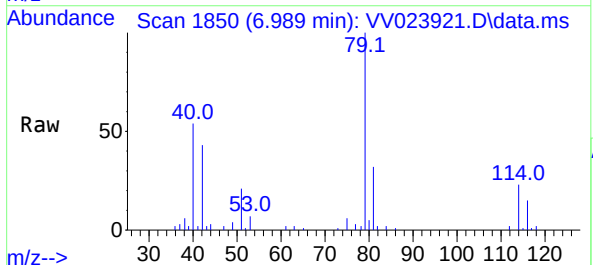
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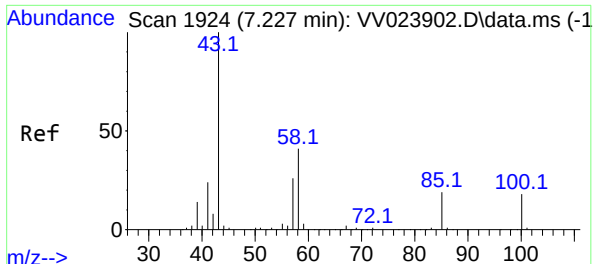
Tgt Ion: 63 Resp: 4194
Ion Ratio Lower Upper
63 100
112 0.0 4.3 6.5#



#39
cis-1,3-Dichloropropene
Concen: 0.105 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.038 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

Tgt Ion: 75 Resp: 1146
Ion Ratio Lower Upper
75 100
77 49.2 22.0 41.0#





#40

4-Methyl-2-pentanone

Concen: 1.156 ug/L

RT: 7.239 min Scan# 1924

Delta R.T. 0.013 min

Lab File: VV023921.D

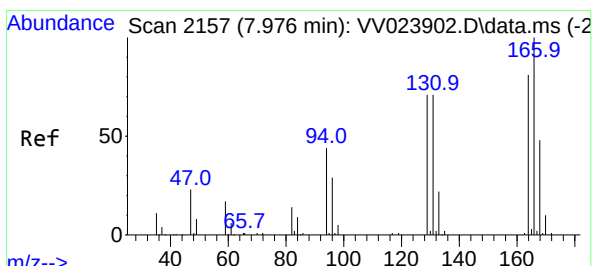
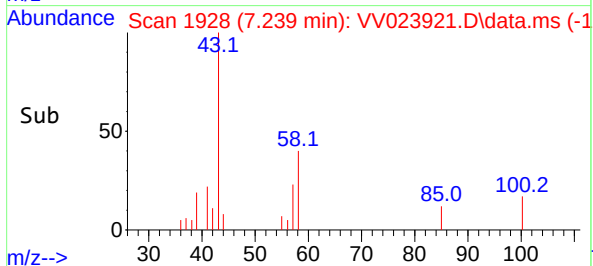
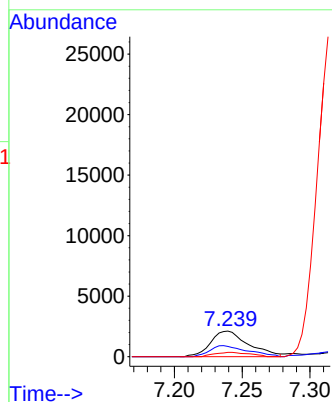
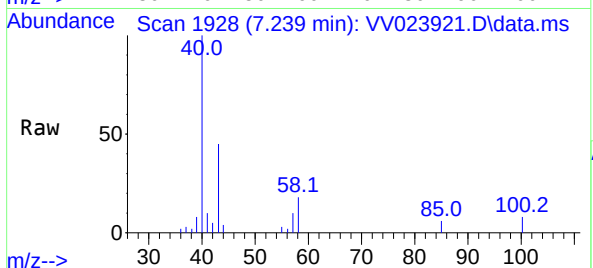
Acq: 11 Dec 2021 05:25

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43	Resp: 4096
Ion Ratio	Lower Upper
43	100
58	43.0 32.3 48.5
100	0.0 13.0 19.6



#47

Tetrachloroethene

Concen: 3.448 ug/L

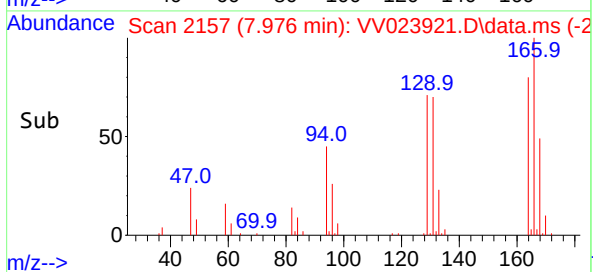
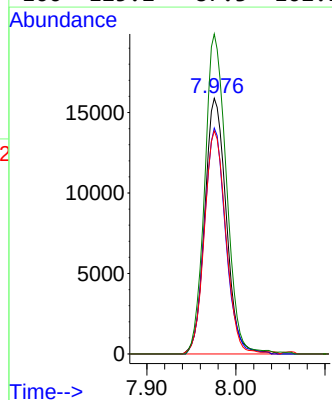
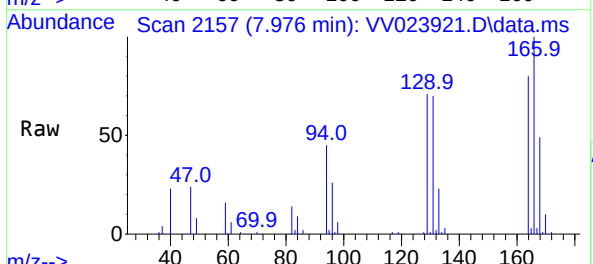
RT: 7.976 min Scan# 2157

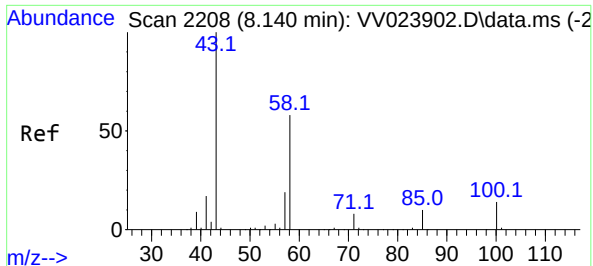
Delta R.T. 0.000 min

Lab File: VV023921.D

Acq: 11 Dec 2021 05:25

Tgt Ion: 164	Resp: 26568
Ion Ratio	Lower Upper
164	100
129	88.4 62.6 116.2
131	87.2 61.0 113.4
166	125.2 87.3 162.1

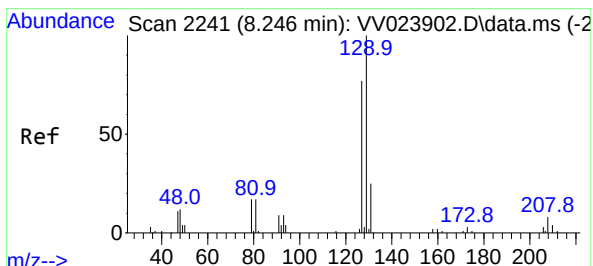
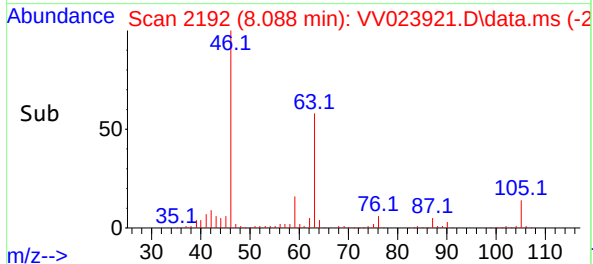
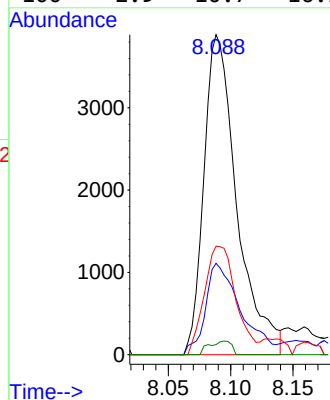
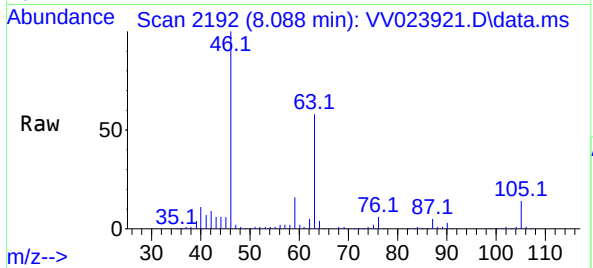




#48
2-Hexanone
Concen: 2.794 ug/L
RT: 8.088 min Scan# 2176
Delta R.T. -0.051 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

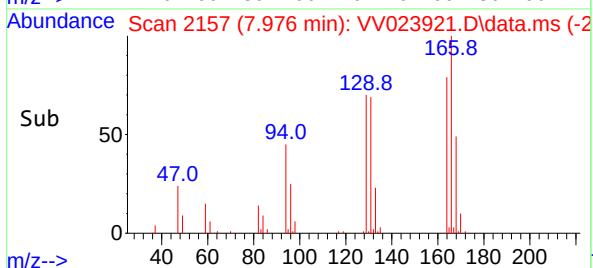
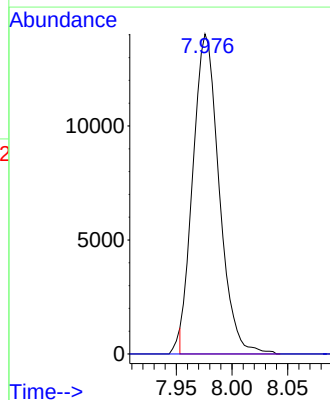
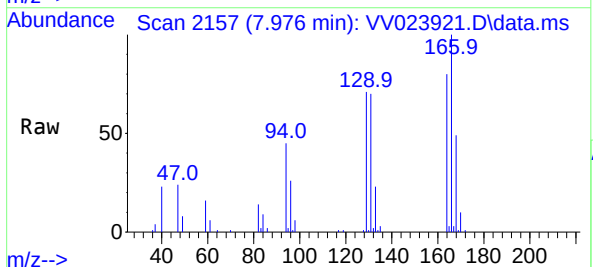
Instrument :
MSVOA_V
ClientSampleId :

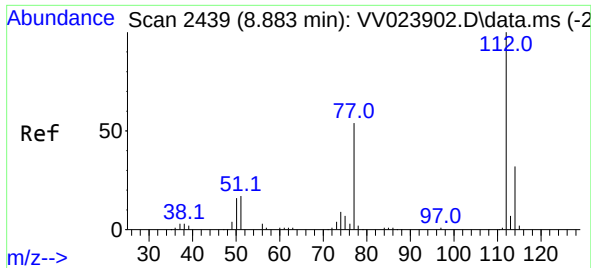
Tgt Ion: 43	Resp: 7176
Ion Ratio	Lower Upper
43	100
58	30.5 44.5 66.7#
57	32.7 15.1 22.7#
100	2.9 10.7 16.1#



#49
Dibromochloromethane
Concen: 3.088 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

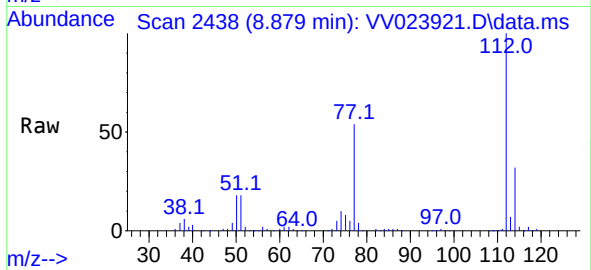
Tgt Ion: 129	Resp: 22918
Ion Ratio	Lower Upper
129	100
127	0.0 53.5 99.3#



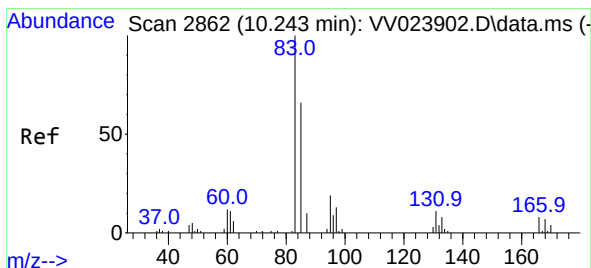
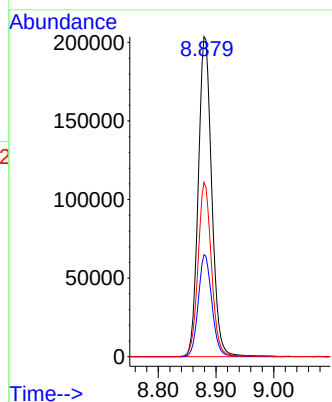
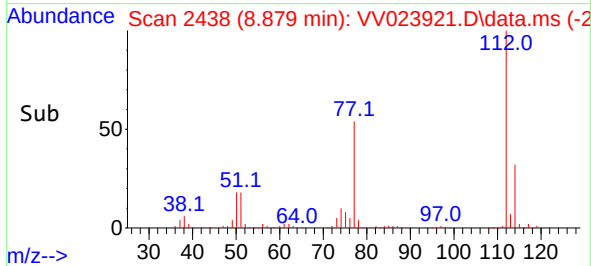


#51
Chlorobenzene
Concen: 14.112 ug/L
RT: 8.879 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

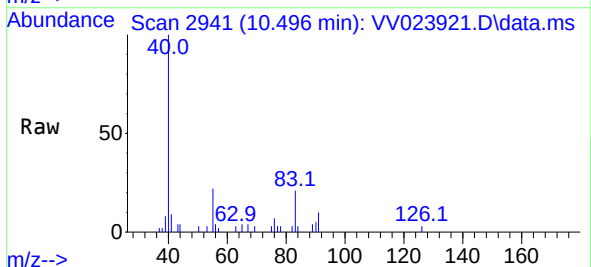
Instrument :
MSVOA_V
ClientSampleId :



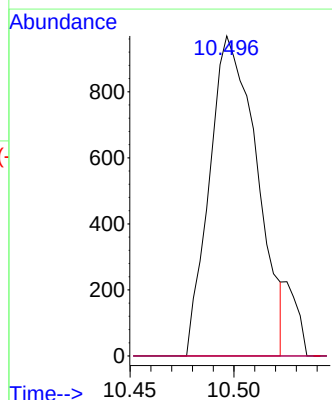
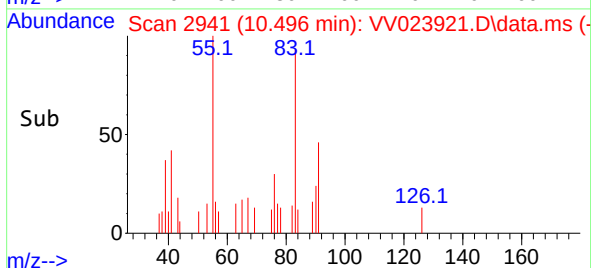
Tgt Ion:112 Resp: 329328
Ion Ratio Lower Upper
112 100
114 31.9 23.3 43.3
77 54.4 43.3 64.9

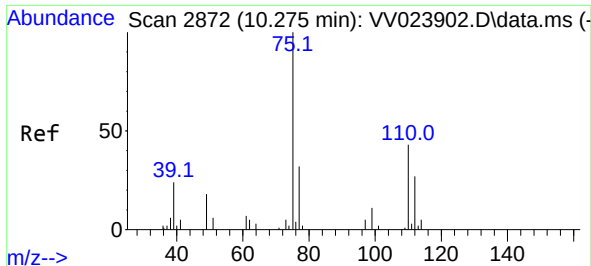


#57
1,1,2,2-Tetrachloroethane
Concen: 0.257 ug/L
RT: 10.496 min Scan# 2941
Delta R.T. 0.257 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25



Tgt Ion: 83 Resp: 1533
Ion Ratio Lower Upper
83 100
85 0.0 44.6 82.8#
131 0.0 8.3 12.5#

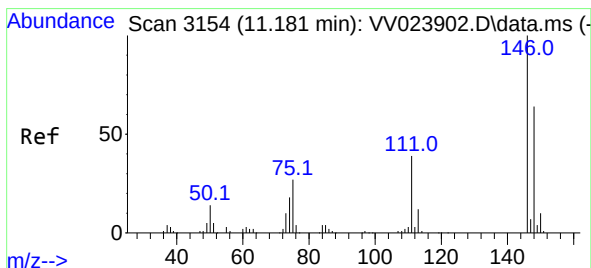
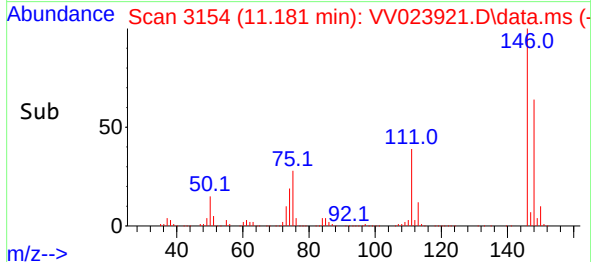
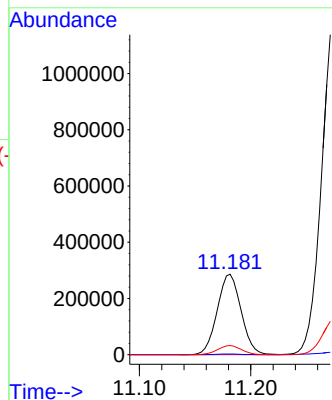
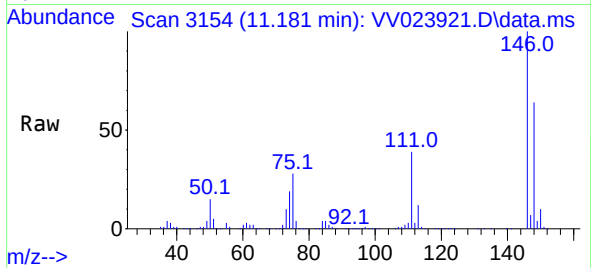




#61
1,2,3-Trichloropropane
Concen: 84.475 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.910 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

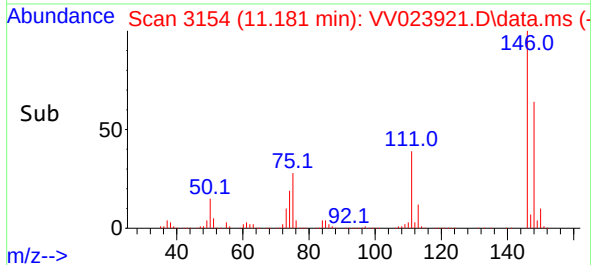
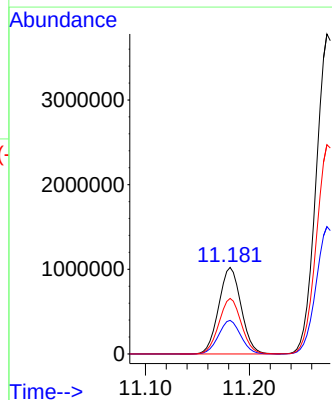
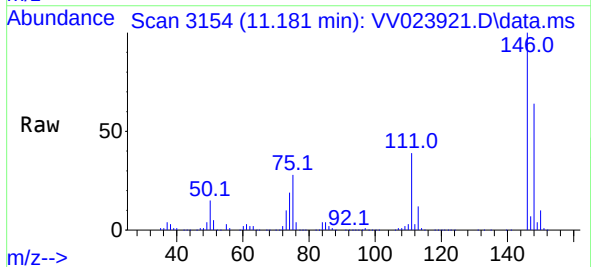
Instrument :
MSVOA_V
ClientSampleId :

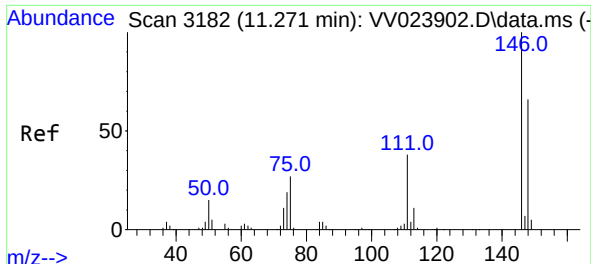
Tgt Ion: 75 Resp: 425265
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
110 11.4 34.2 51.2#



#64
1,3-Dichlorobenzene
Concen: 68.949 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

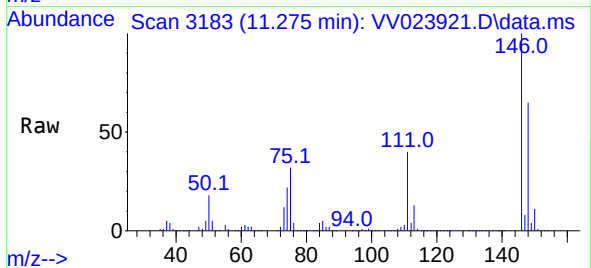
Tgt Ion:146 Resp: 1529987
Ion Ratio Lower Upper
146 100
111 38.8 26.3 48.9
148 64.2 44.4 82.5



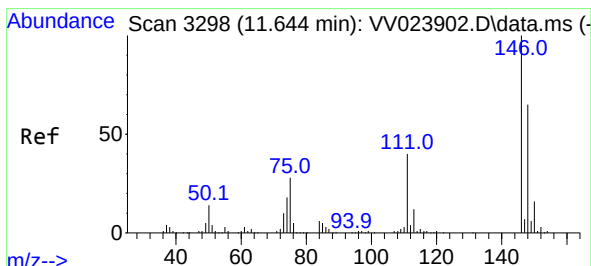
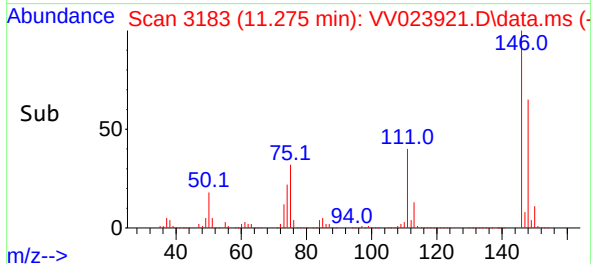
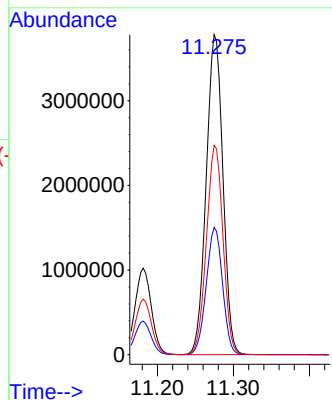


#65
1,4-Dichlorobenzene
Concen: 258.949 ug/L
RT: 11.275 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

Instrument :
MSVOA_V
ClientSampleId :

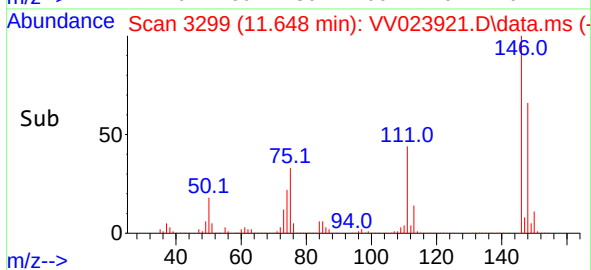
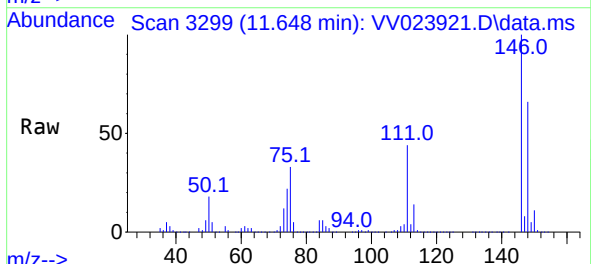
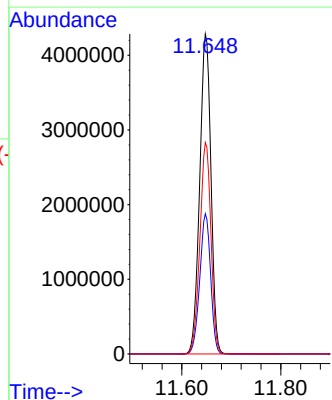


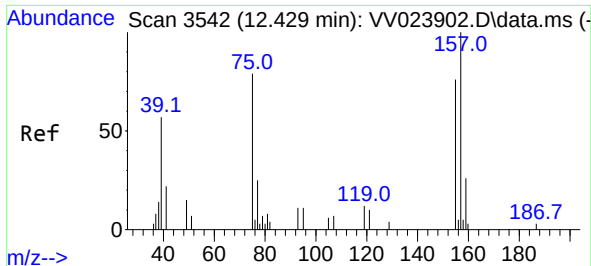
Tgt Ion:146 Resp: 5771203
Ion Ratio Lower Upper
146 100
111 39.8 25.6 47.6
148 65.4 44.8 83.2



#67
1,2-Dichlorobenzene
Concen: 333.353 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. 0.006 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

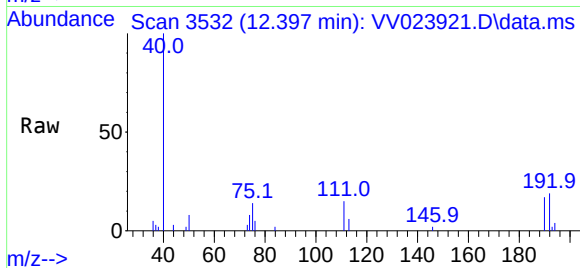
Tgt Ion:146 Resp: 6776973
Ion Ratio Lower Upper
146 100
111 43.8 31.9 47.9
148 66.1 50.5 75.7



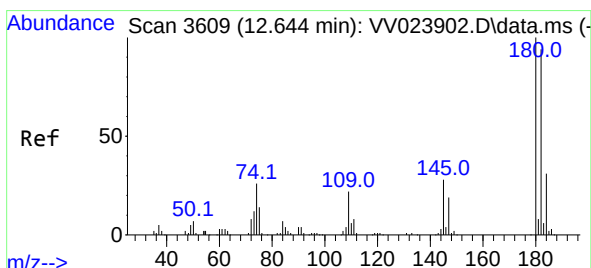
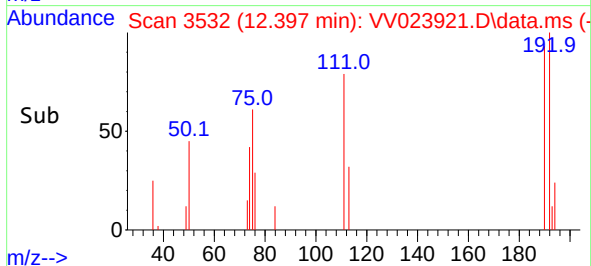
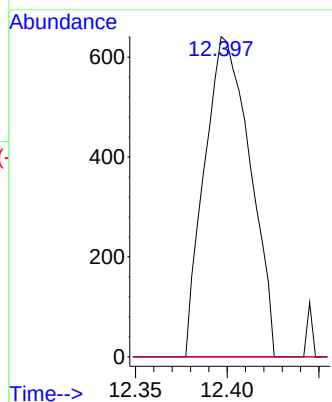


#68
1,2-Dibromo-3-chloropropane
Concen: 1.005 ug/L
RT: 12.397 min Scan# 3532
Delta R.T. -0.035 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

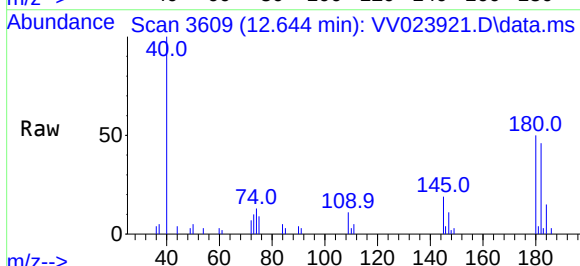
Instrument :
MSVOA_V
ClientSampleId :



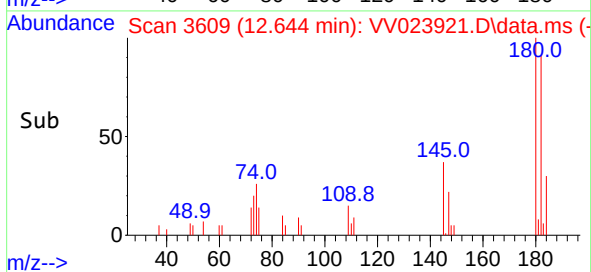
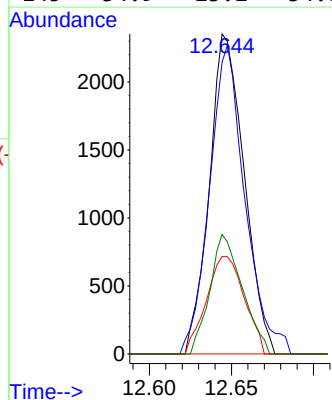
Tgt Ion: 75 Resp: 1105
Ion Ratio Lower Upper
75 100
155 0.0 71.7 107.5#
157 0.0 103.3 154.9#

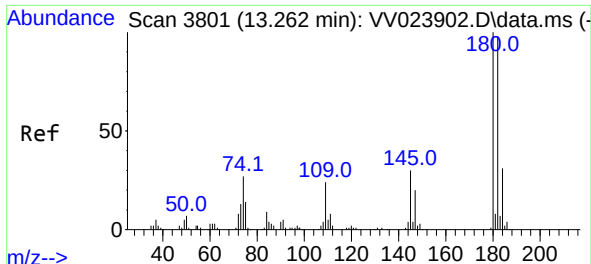


#69
1,3,5-Trichlorobenzene
Concen: 0.190 ug/L
RT: 12.644 min Scan# 3609
Delta R.T. 0.000 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25



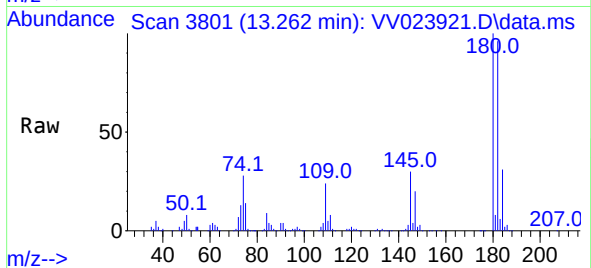
Tgt Ion: 180 Resp: 3462
Ion Ratio Lower Upper
180 100
182 98.2 76.4 114.6
184 33.2 24.2 36.4
145 34.9 23.2 34.8#



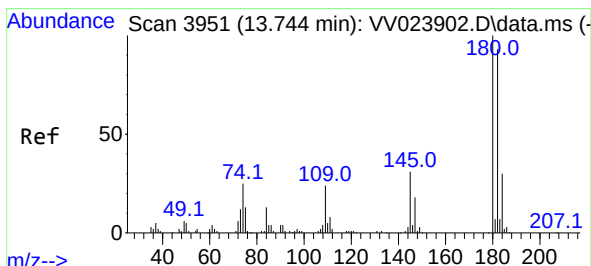
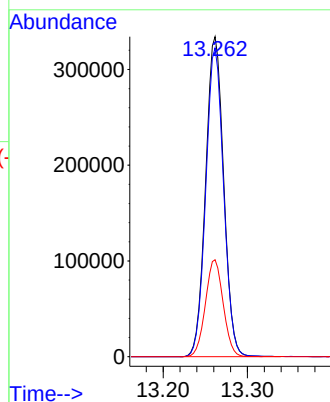
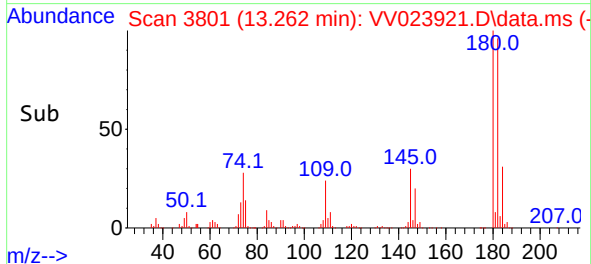


#70
1,2,4-trichlorobenzene
Concen: 34.738 ug/L
RT: 13.262 min Scan# 3801
Delta R.T. 0.000 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25

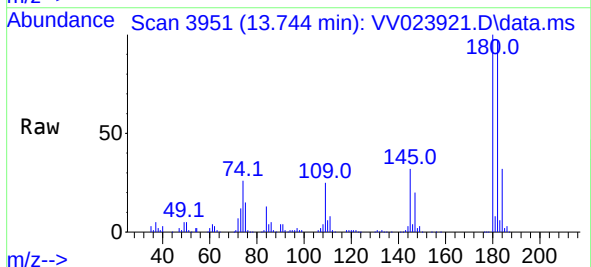
Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:180 Resp: 497960
Ion Ratio Lower Upper
180 100
182 95.3 74.4 111.6
145 29.9 23.3 34.9



#72
1,2,3-Trichlorobenzene
Concen: 20.571 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV023921.D
Acq: 11 Dec 2021 05:25



Tgt Ion:180 Resp: 260334
Ion Ratio Lower Upper
180 100
182 96.5 76.8 115.2
145 31.5 25.8 38.6

