

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100422\
 Data File : VW028344.D
 Acq On : 04 Oct 2022 22:57
 Operator : SY/MD
 Sample : N4872-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 05 04:17:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 04 02:28:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	206131	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	217196	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	133168	5.000	ug/L	# 0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.301	65	57434	3.708	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.200%
7) Chloroethane-d5	1.561	69	56009	4.272	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.101	63	86708	2.970	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.400%#
20) 2-Butanone-d5	3.899	46	146155	55.772	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.540%
24) Chloroform-d	4.342	84	128401	4.576	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.027	65	62037	4.769	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.043	84	252739	4.242	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
36) 1,2-Dichloropropane-d6	6.066	67	80141	4.689	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.313	98	209555	3.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	7.622	79	24960	3.834	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.600%
46) 2-Hexanone-d5	8.088	63	128869	48.366	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.740%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	60206	4.647	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	100569	4.388	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%

Target Compounds

						Qvalue
3) Chloromethane	1.233	50	2377	0.151	ug/L	97
5) Vinyl chloride	1.301	62	806	0.046	ug/L #	1
6) Bromomethane	1.516	94	337	0.040	ug/L	71
8) Chloroethane	1.391	64	247605	20.997	ug/L #	51
12) 1,1-Dichloroethene	2.105	96	1267	0.086	ug/L #	1
13) Acetone	2.188	43	143124	83.173	ug/L	93
15) Methyl Acetate	2.188	43	141907	30.300	ug/L #	55
19) 1,1-Dichloroethane	3.185	63	9442	0.360	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	23215	1.497	ug/L	98
25) Chloroform	4.362	83	6098	0.212	ug/L	97
29) 1,1,1-Trichloroethane	4.596	97	640	0.024	ug/L #	78
33) Benzene	5.095	78	7086	0.110	ug/L	100
34) Trichloroethene	5.911	95	29392	1.816	ug/L	97
35) Methylcyclohexane	6.063	83	20623	0.780	ug/L #	17
37) 1,2-Dichloropropane	6.063	63	8201	0.548	ug/L #	87
39) cis-1,3-Dichloropropene	6.985	75	1399	0.065	ug/L #	43
47) Tetrachloroethene	7.972	164	40691	2.876	ug/L	97
49) Dibromochloromethane	7.972	129	36919	2.626	ug/L #	11
51) Chlorobenzene	8.876	112	640399	14.154	ug/L	99

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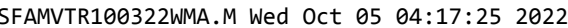
Quant Time: Oct 05 04:17:21 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

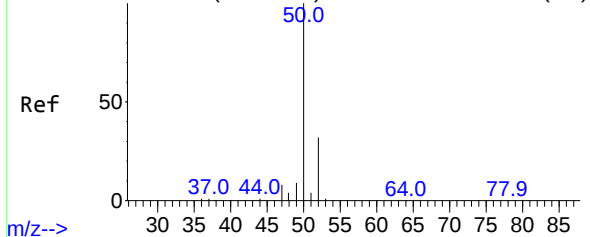
57) 1,1,2,2-Tetrachloroethane	10.493	83	2316	0.184	ug/L #	25
61) 1,2,3-Trichloropropane	11.178	75	977120	95.095	ug/L #	49
62) 1,3,5-Trimethylbenzene	11.336	105	1150	0.050	ug/L #	1
64) 1,3-Dichlorobenzene	11.178	146	3517754	87.878	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	8974345	223.897	ug/L	97
67) 1,2-Dichlorobenzene	11.644	146	10602975	292.048	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.397	75	3016	1.289	ug/L #	1
69) 1,3,5-Trichlorobenzene	12.644	180	7261	0.229	ug/L	96
70) 1,2,4-trichlorobenzene	13.258	180	1020930	42.311	ug/L	100
72) 1,2,3-Trichlorobenzene	13.738	180	518677	23.846	ug/L	100

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

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Abundance Scan 61 (1.237 min): VV028333.D\data.ms (-52)



#3

Chloromethane

Concen: 0.151 ug/L

RT: 1.233 min Scan# 60

Delta R.T. -0.003 min

Lab File: VV028344.D

Acq: 04 Oct 2022 22:57

Instrument :

MSVOA_V

ClientSampleId :

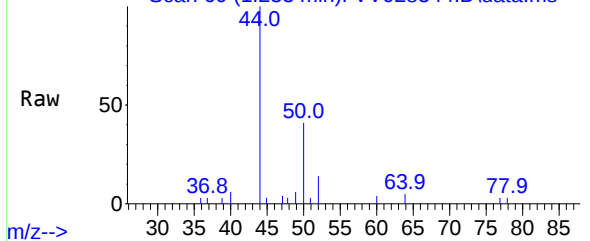
Tgt Ion: 50 Resp: 2377

Ion Ratio Lower Upper

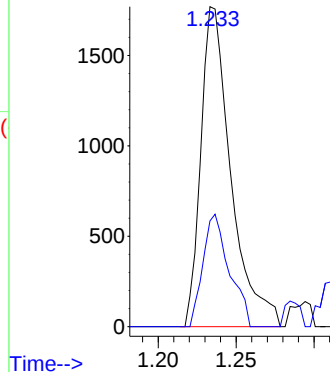
50 100

52 33.1 24.4 45.2

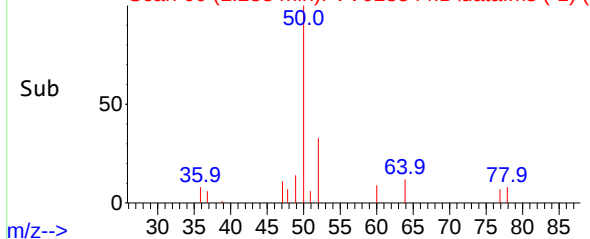
Abundance Scan 60 (1.233 min): VV028344.D\data.ms



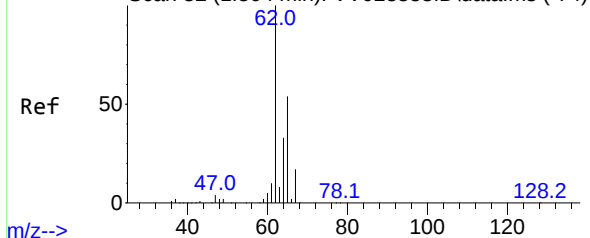
Abundance



Abundance Scan 60 (1.233 min): VV028344.D\data.ms (-1) (



Abundance Scan 82 (1.304 min): VV028333.D\data.ms (-74)



#5

Vinyl chloride

Concen: 0.046 ug/L

RT: 1.301 min Scan# 81

Delta R.T. -0.003 min

Lab File: VV028344.D

Acq: 04 Oct 2022 22:57

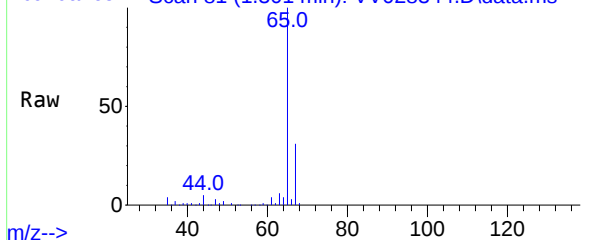
Tgt Ion: 62 Resp: 806

Ion Ratio Lower Upper

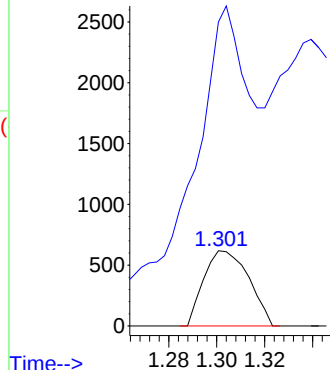
62 100

64 404.0 23.0 42.8#

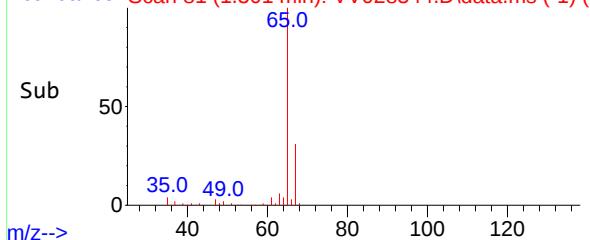
Abundance Scan 81 (1.301 min): VV028344.D\data.ms

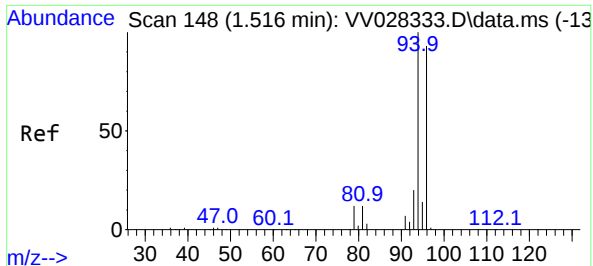


Abundance



Abundance Scan 81 (1.301 min): VV028344.D\data.ms (-1) (

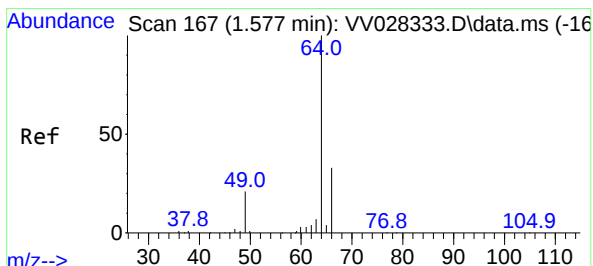
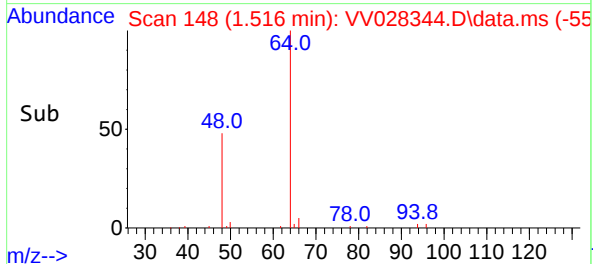
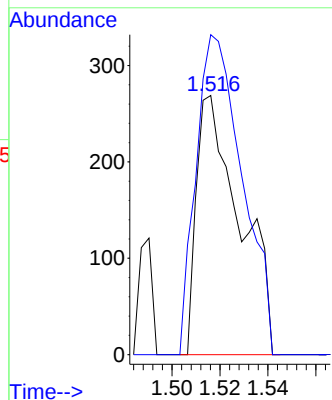
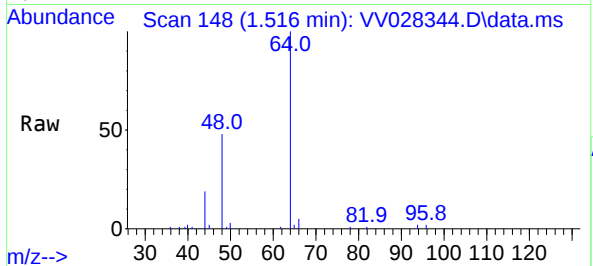




#6
Bromomethane
Concen: 0.040 ug/L
RT: 1.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

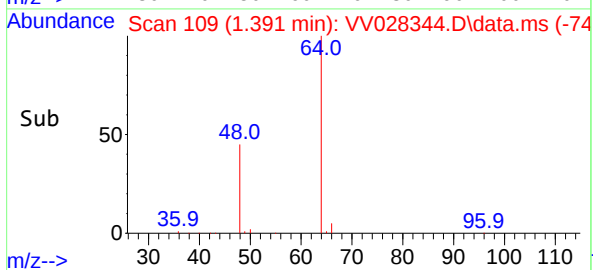
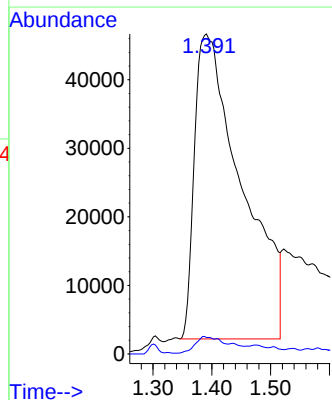
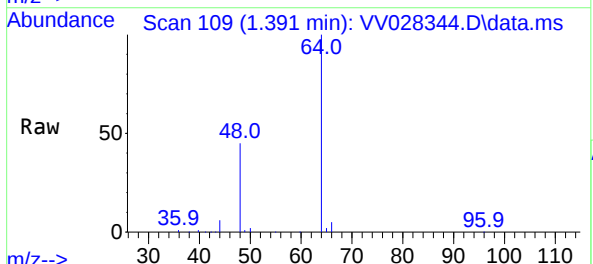
Instrument :
MSVOA_V
ClientSampleId :

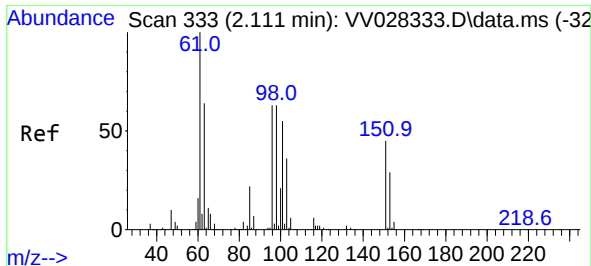
Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 123.4 66.7 123.9



#8
Chloroethane
Concen: 20.997 ug/L
RT: 1.391 min Scan# 109
Delta R.T. -0.186 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

Tgt Ion: 64 Resp: 247605
Ion Ratio Lower Upper
64 100
66 5.1 23.0 42.8#





#12

1,1-Dichloroethene

Concen: 0.086 ug/L

RT: 2.105 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV028344.D

Acq: 04 Oct 2022 22:57

Instrument :

MSVOA_V

ClientSampleId :

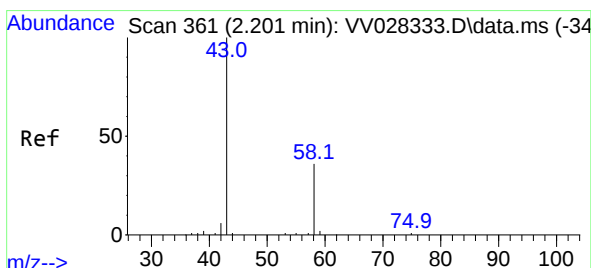
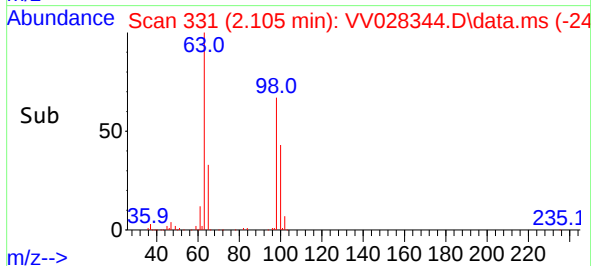
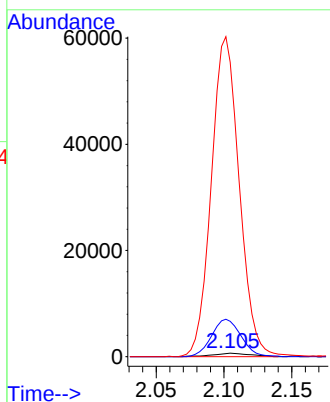
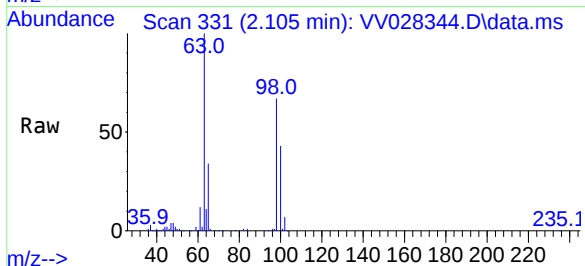
Tgt Ion: 96 Resp: 1267

Ion Ratio Lower Upper

96 100

61 1009.7 128.3 238.3#

63 8388.5 112.7 209.3#



#13

Acetone

Concen: 83.173 ug/L

RT: 2.188 min Scan# 357

Delta R.T. 0.013 min

Lab File: VV028344.D

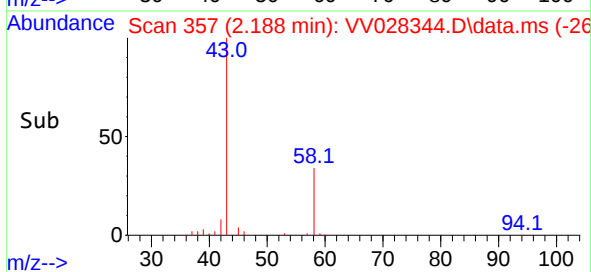
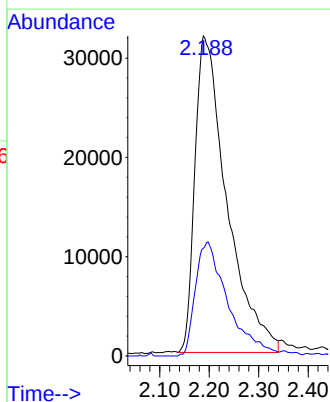
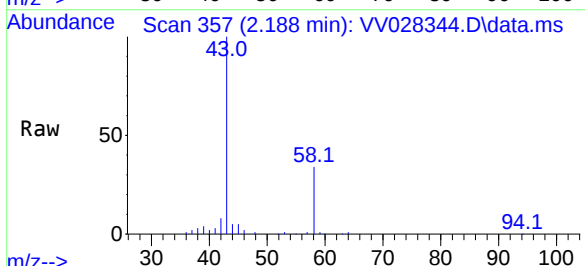
Acq: 04 Oct 2022 22:57

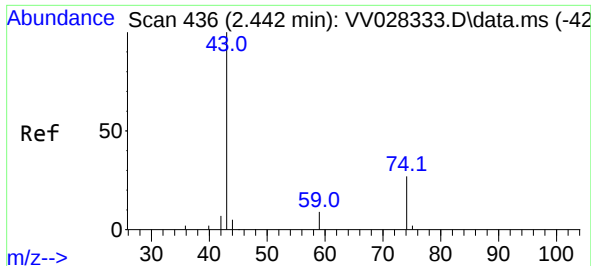
Tgt Ion: 43 Resp: 143124

Ion Ratio Lower Upper

43 100

58 36.6 0.0 65.6

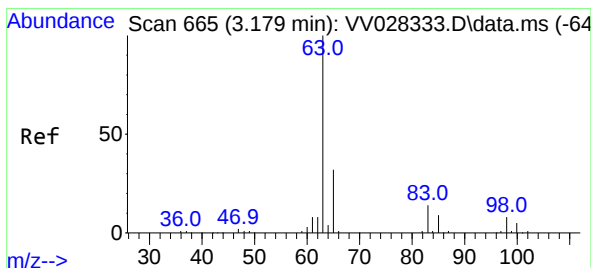
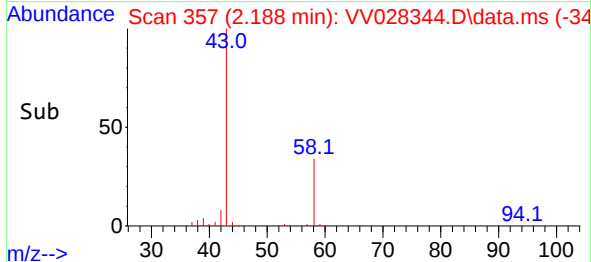
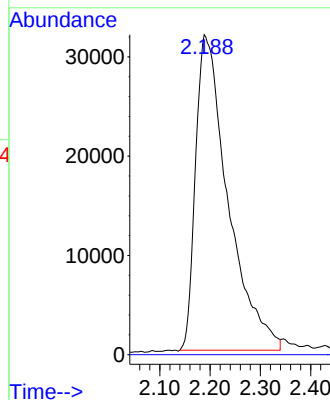
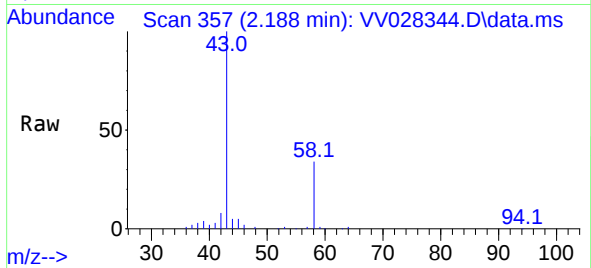




#15
Methyl Acetate
Concen: 30.300 ug/L
RT: 2.188 min Scan# 315
Delta R.T. -0.244 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

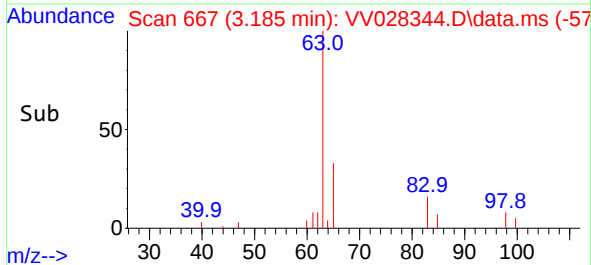
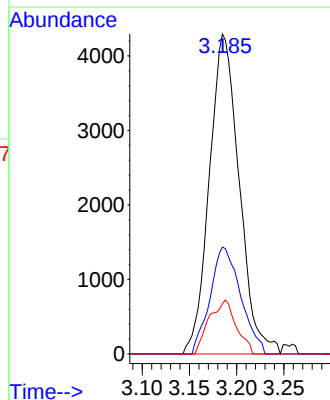
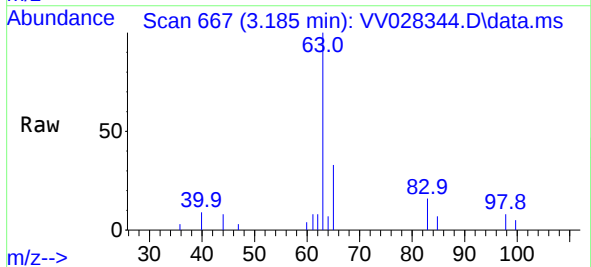
Instrument :
MSVOA_V
ClientSampleId :

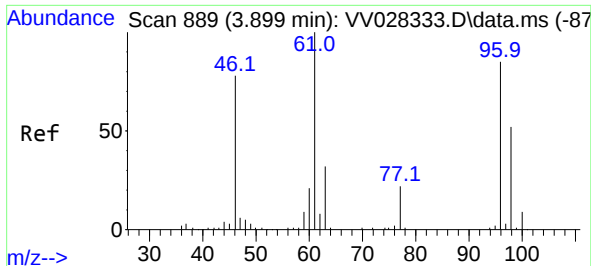
Tgt Ion: 43 Resp: 141907
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



#19
1,1-Dichloroethane
Concen: 0.360 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

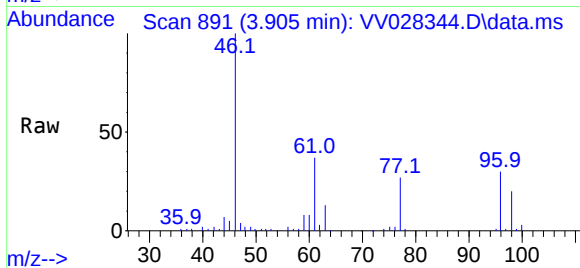
Tgt Ion: 63 Resp: 9442
Ion Ratio Lower Upper
63 100
65 33.4 23.0 42.8
83 15.6 9.2 17.2



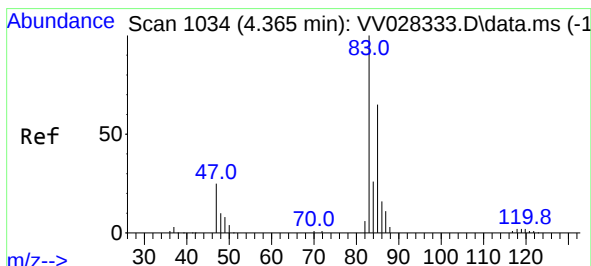
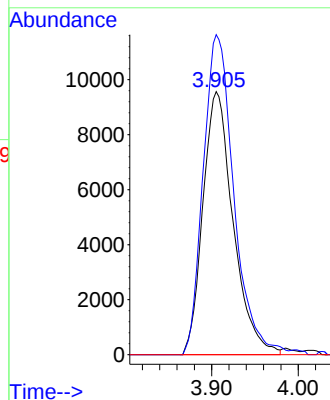
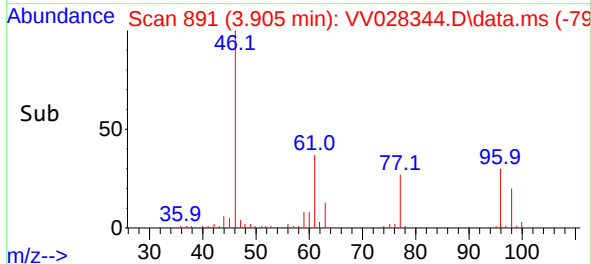


#22
cis-1,2-Dichloroethene
Concen: 1.497 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.000 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

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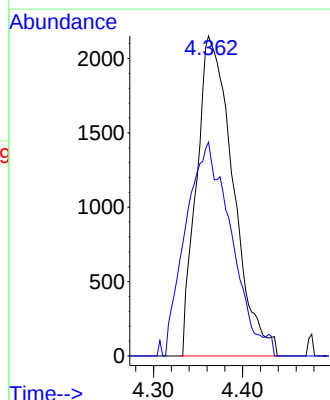
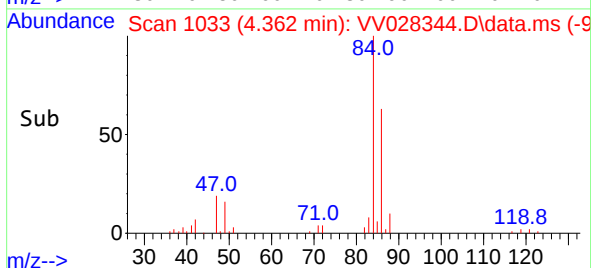
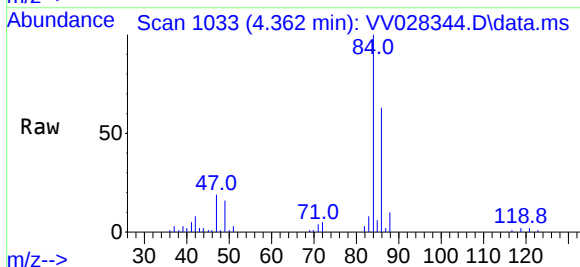


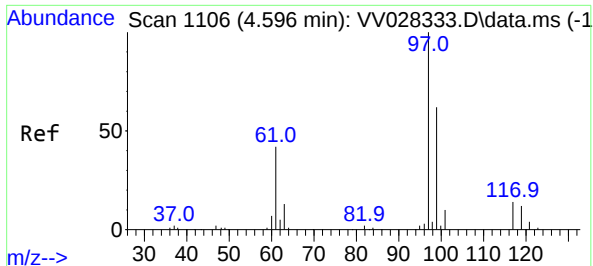
Tgt Ion: 96 Resp: 23215
Ion Ratio Lower Upper
96 100
61 121.7 87.2 161.9
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.212 ug/L
RT: 4.362 min Scan# 1033
Delta R.T. -0.006 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

Tgt Ion: 83 Resp: 6098
Ion Ratio Lower Upper
83 100
85 66.9 45.1 83.7





#29

1,1,1-Trichloroethane

Concen: 0.024 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV028344.D

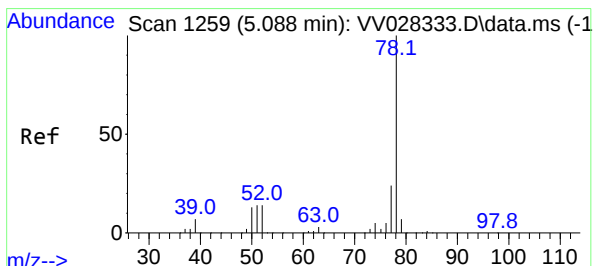
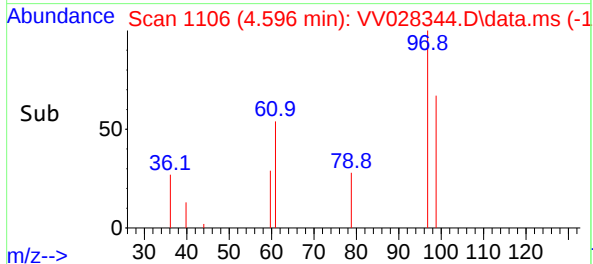
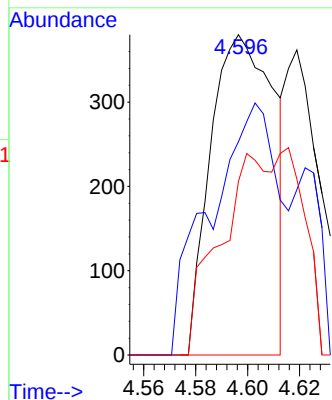
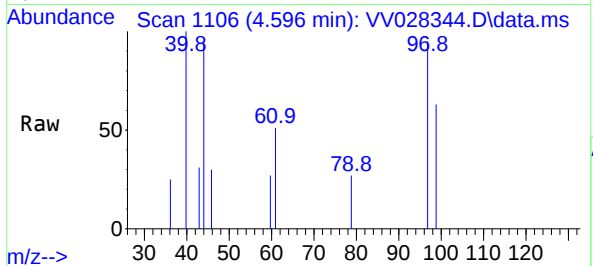
Acq: 04 Oct 2022 22:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97	Resp: 640
Ion Ratio	Lower Upper
97	100
99	86.4 51.9 77.9#
61	52.0 34.8 52.2



#33

Benzene

Concen: 0.110 ug/L

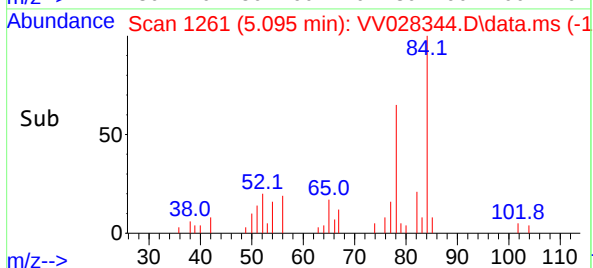
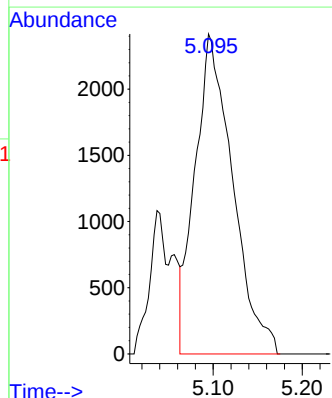
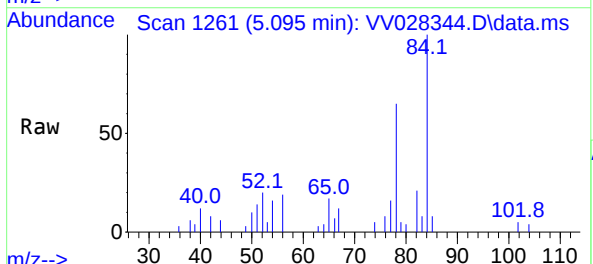
RT: 5.095 min Scan# 1261

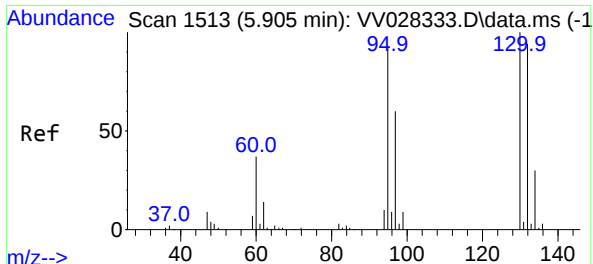
Delta R.T. 0.003 min

Lab File: VV028344.D

Acq: 04 Oct 2022 22:57

Tgt Ion: 78 Resp: 7086

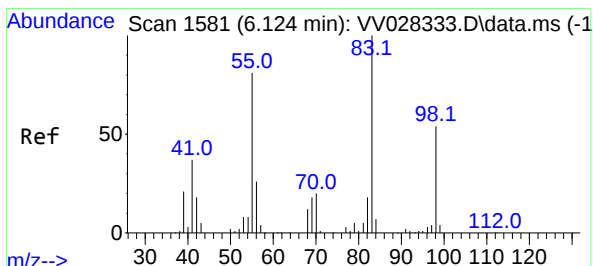
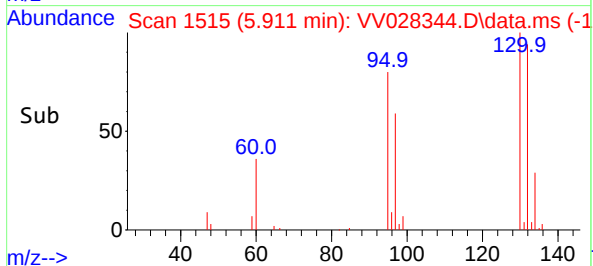
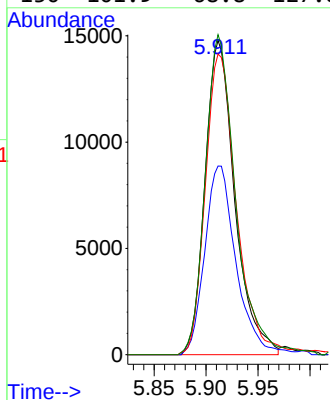
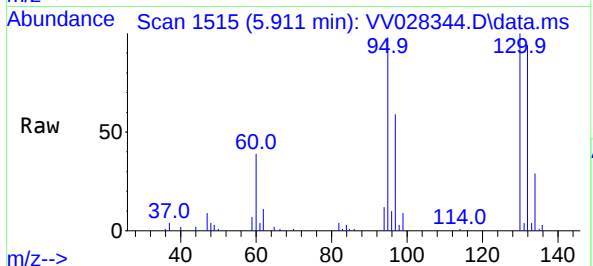




#34
Trichloroethene
Concen: 1.816 ug/L
RT: 5.911 min Scan# 1513
Delta R.T. 0.003 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

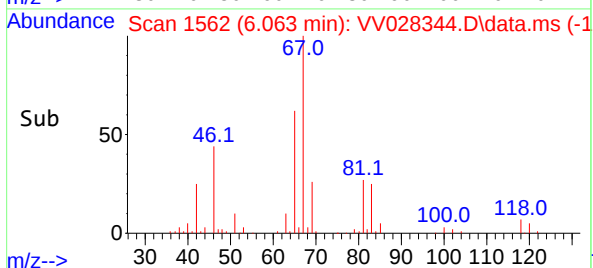
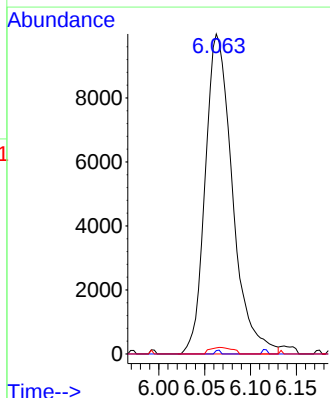
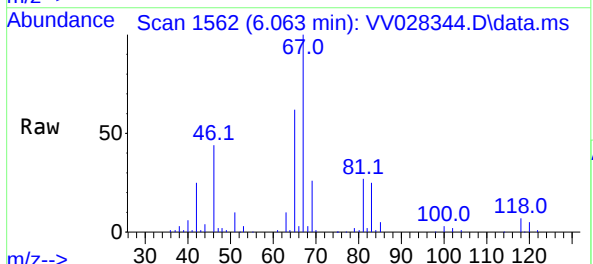
Instrument :
MSVOA_V
ClientSampleId :

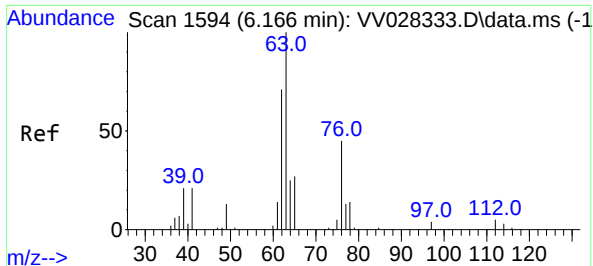
Tgt Ion: 95 Resp: 29392
Ion Ratio Lower Upper
95 100
97 60.0 44.2 82.0
132 95.7 67.8 126.0
130 101.9 68.8 127.8



#35
Methylcyclohexane
Concen: 0.780 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

Tgt Ion: 83 Resp: 20623
Ion Ratio Lower Upper
83 100
55 0.2 64.7 97.1#
98 1.7 39.5 59.3#

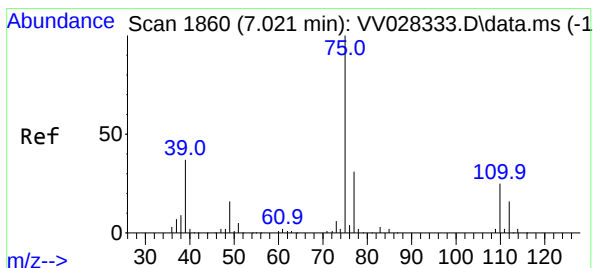
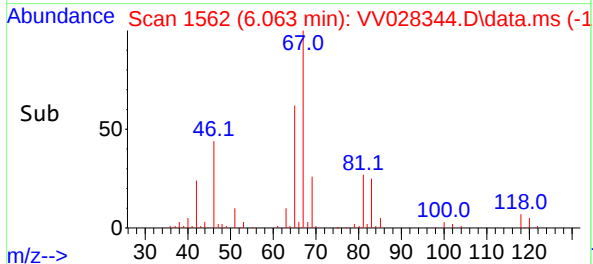
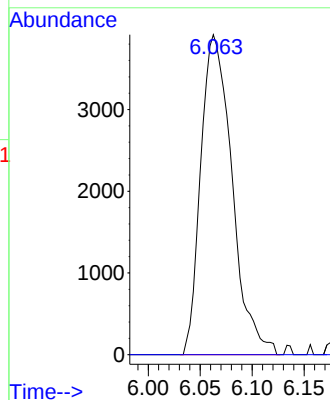
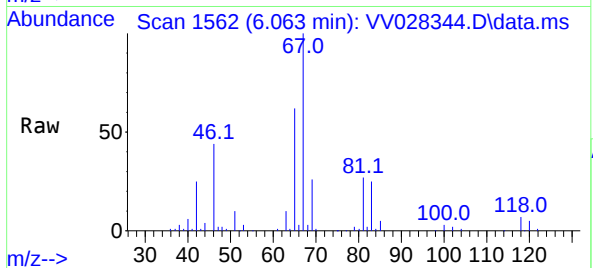




#37
1,2-Dichloropropane
Concen: 0.548 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.106 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

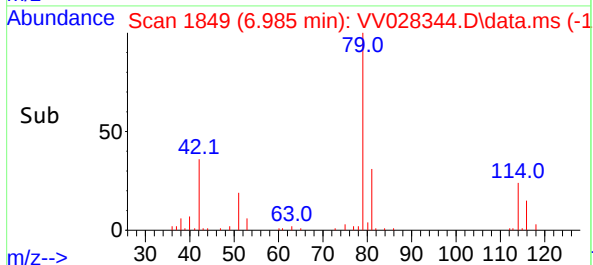
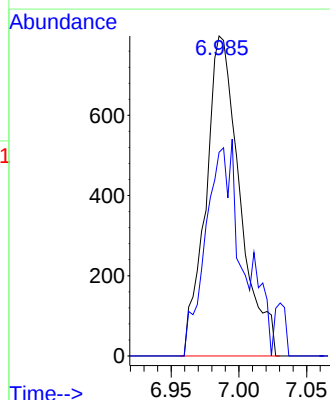
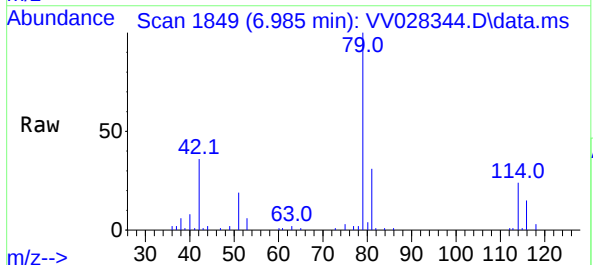
Instrument :
MSVOA_V
ClientSampleId :

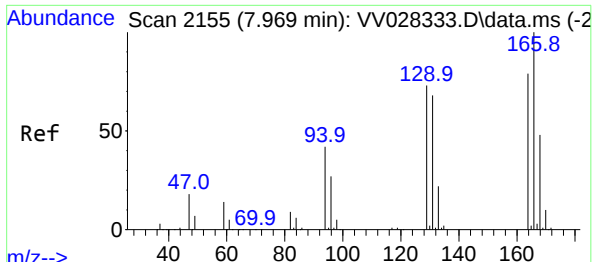
Tgt Ion: 63 Resp: 8201
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



#39
cis-1,3-Dichloropropene
Concen: 0.065 ug/L
RT: 6.985 min Scan# 1849
Delta R.T. -0.039 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

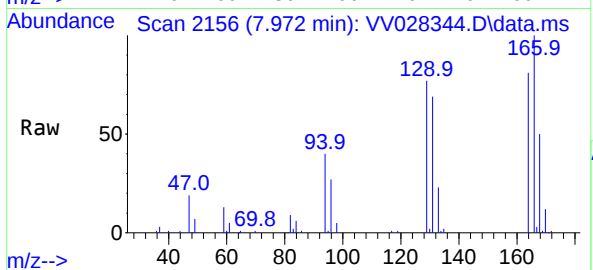
Tgt Ion: 75 Resp: 1399
Ion Ratio Lower Upper
75 100
77 63.7 22.4 41.6#





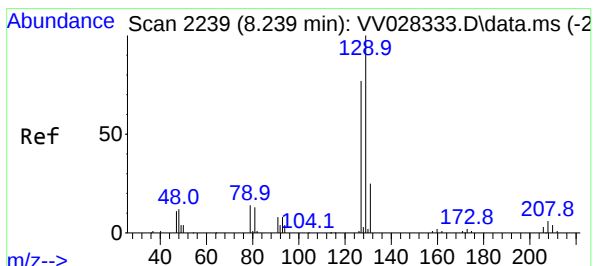
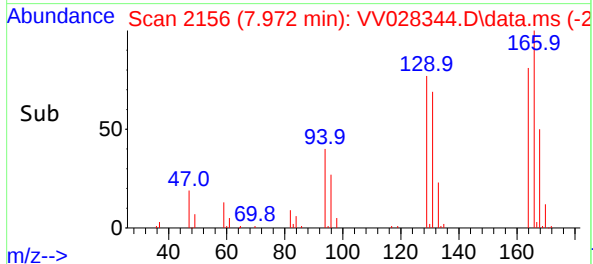
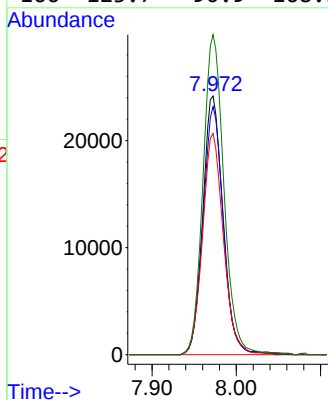
#47
Tetrachloroethene
Concen: 2.876 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 40691

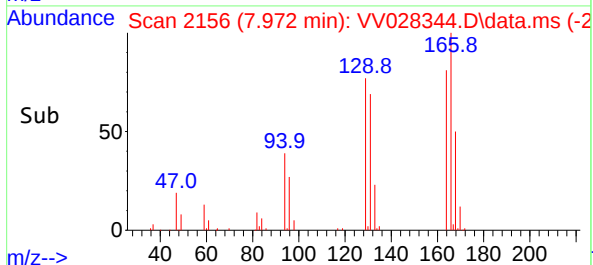
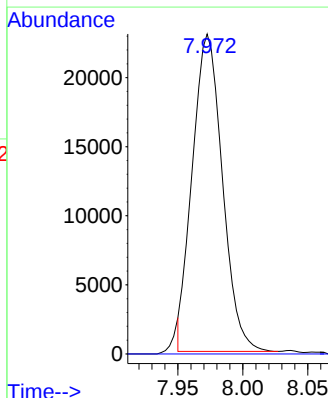
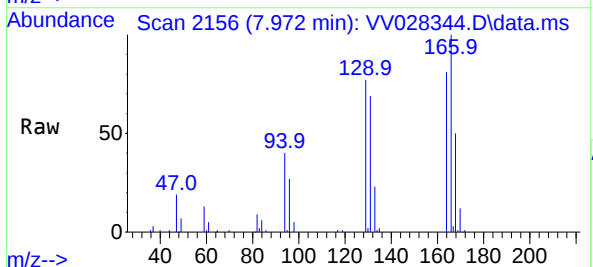
Ion	Ratio	Lower	Upper
164	100		
129	95.8	66.7	123.9
131	85.4	61.7	114.5
166	123.7	90.9	168.9

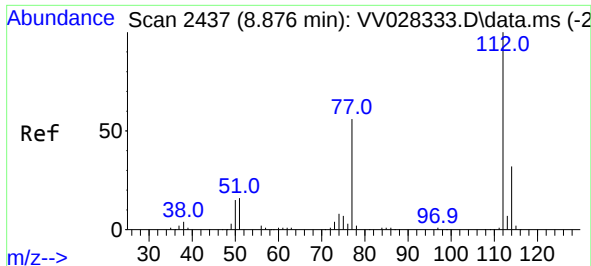


#49
Dibromochloromethane
Concen: 2.626 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. -0.270 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

Tgt Ion:129 Resp: 36919

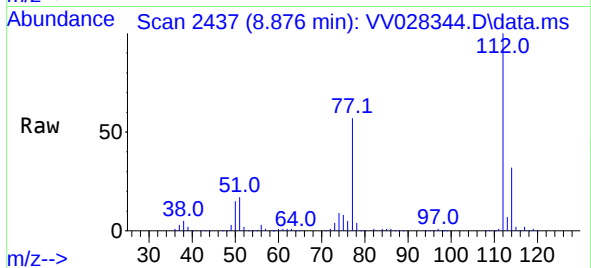
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.3	100.9#



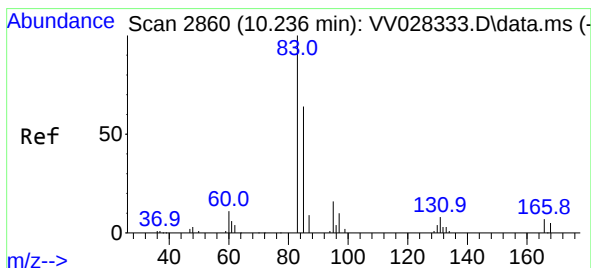
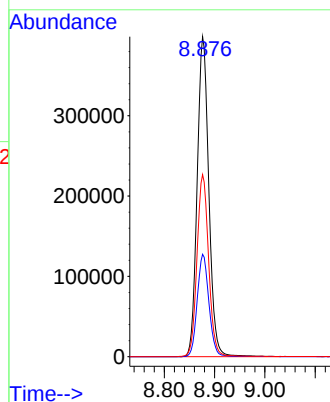
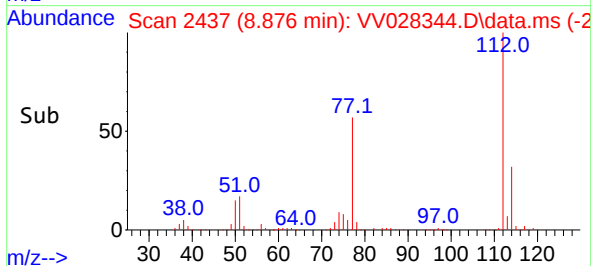


#51
Chlorobenzene
Concen: 14.154 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. -0.003 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

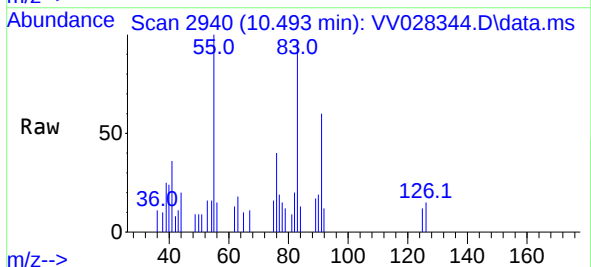
Instrument :
MSVOA_V
ClientSampleId :



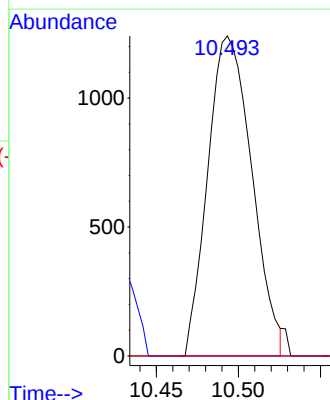
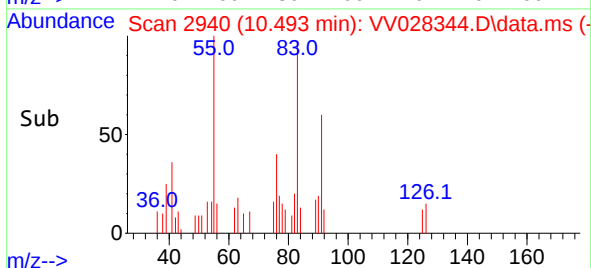
Tgt Ion:112 Resp: 640399
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.7
77 56.9 46.1 69.1

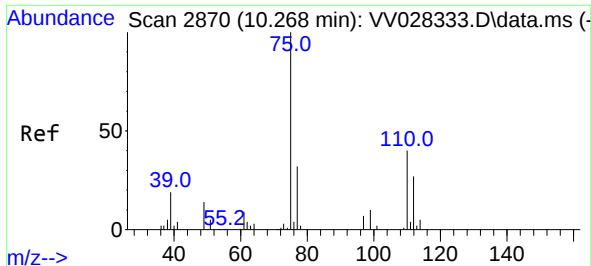


#57
1,1,2,2-Tetrachloroethane
Concen: 0.184 ug/L
RT: 10.493 min Scan# 2940
Delta R.T. 0.254 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57



Tgt Ion: 83 Resp: 2316
Ion Ratio Lower Upper
83 100
85 0.0 45.2 84.0#
131 0.0 7.8 11.8#

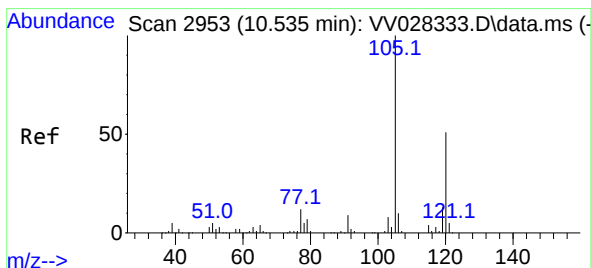
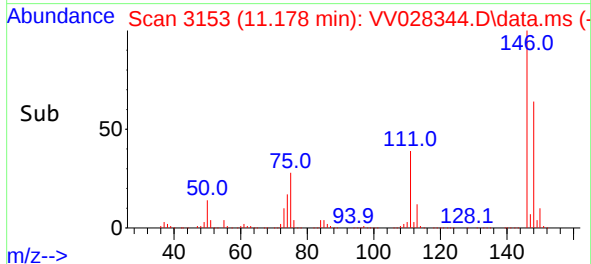
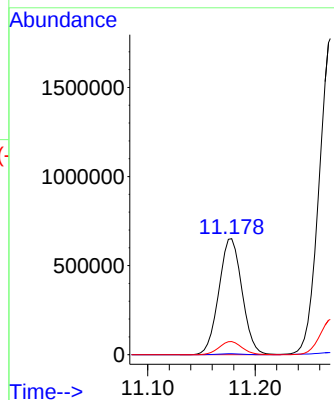
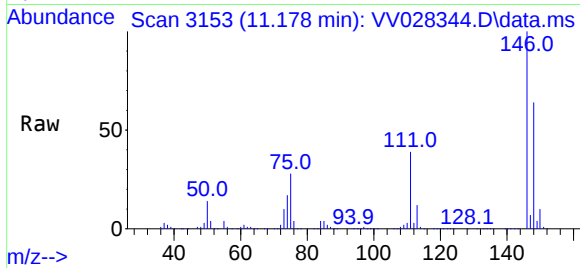




#61
1,2,3-Trichloropropane
Concen: 95.095 ug/L
RT: 11.178 min Scan# 31153
Delta R.T. 0.907 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

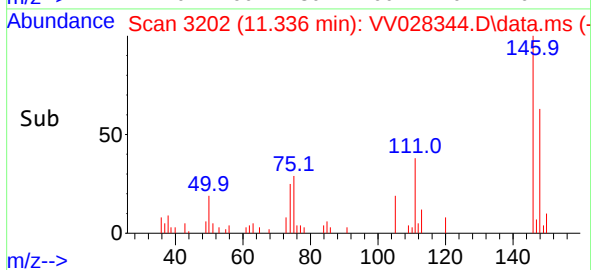
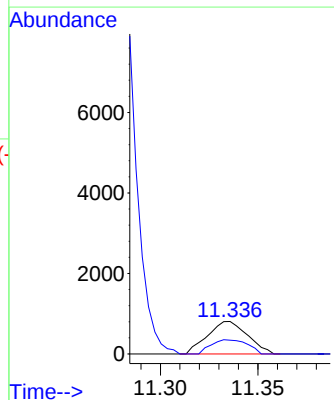
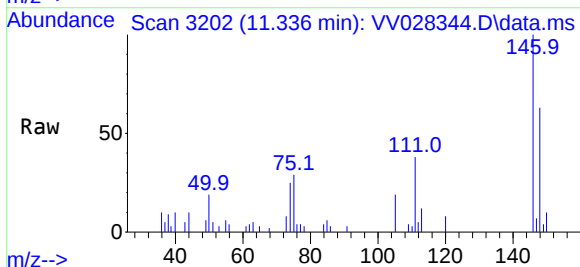
Instrument :
MSVOA_V
ClientSampleId :

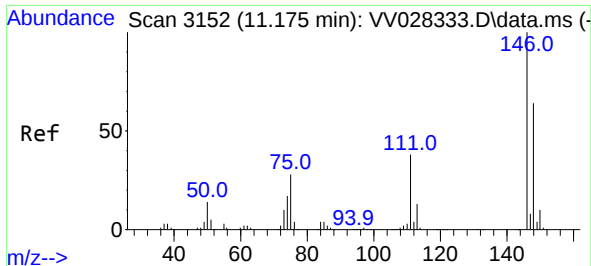
Tgt Ion: 75 Resp: 977120
Ion Ratio Lower Upper
75 100
77 0.0 26.7 40.1#
110 11.2 30.1 45.1#



#62
1,3,5-Trimethylbenzene
Concen: 0.050 ug/L
RT: 11.336 min Scan# 3202
Delta R.T. 0.801 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

Tgt Ion:105 Resp: 1150
Ion Ratio Lower Upper
105 100
120 2710.3 40.6 61.0#

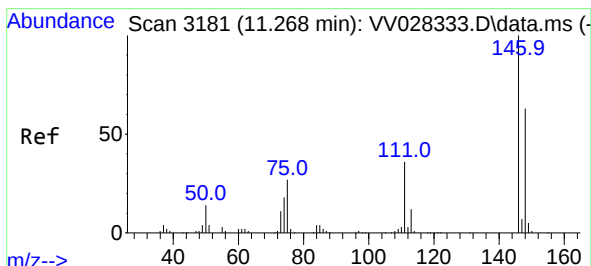
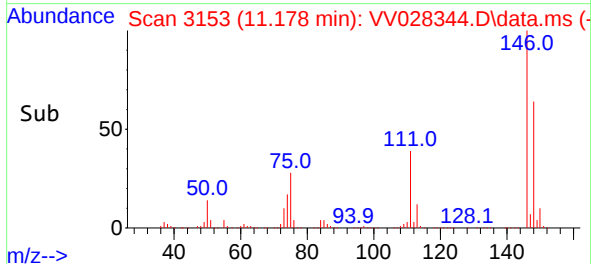
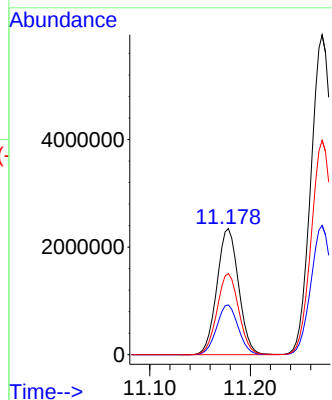
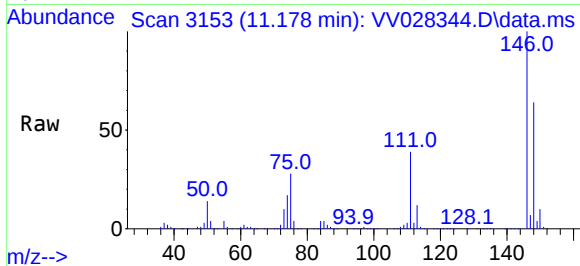




#64
1,3-Dichlorobenzene
Concen: 87.878 ug/L
RT: 11.178 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

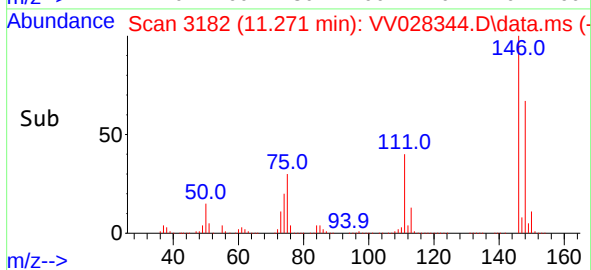
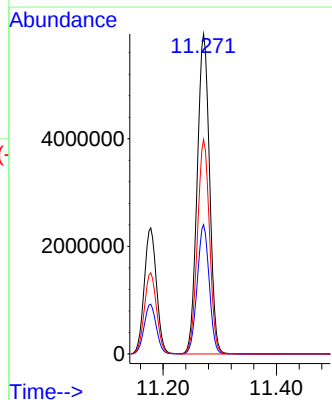
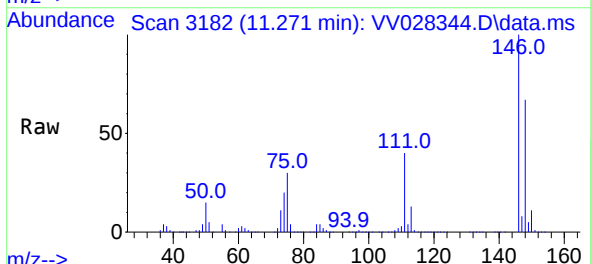
Instrument :
MSVOA_V
ClientSampleId :

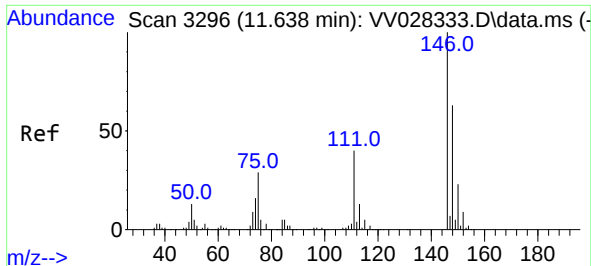
Tgt Ion:146 Resp: 3517754
Ion Ratio Lower Upper
146 100
111 39.4 27.1 50.3
148 64.4 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 223.897 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV028344.D
Acq: 04 Oct 2022 22:57

Tgt Ion:146 Resp: 8974345
Ion Ratio Lower Upper
146 100
111 40.4 26.2 48.8
148 67.0 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 292.048 ug/L

RT: 11.644 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV028344.D

Acq: 04 Oct 2022 22:57

Instrument :

MSVOA_V

ClientSampleId :

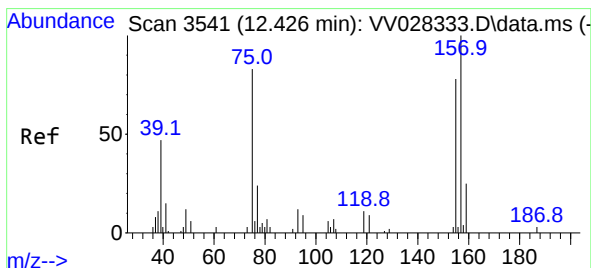
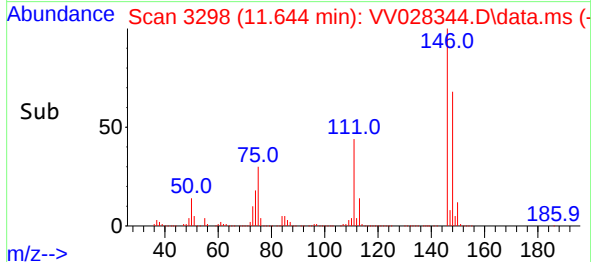
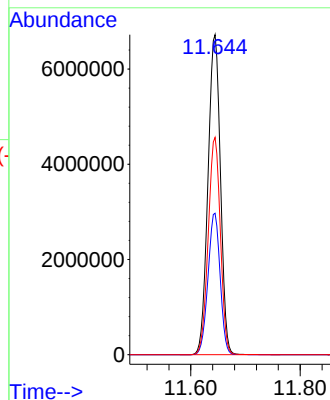
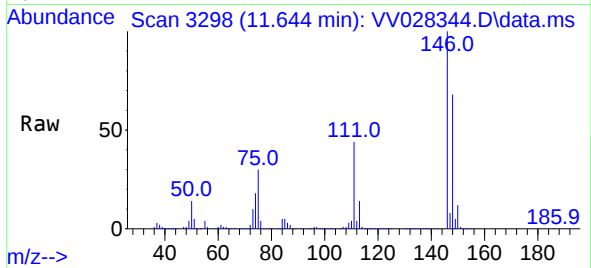
Tgt Ion:146 Resp:10602975

Ion Ratio Lower Upper

146 100

111 44.2 32.6 49.0

148 67.9 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 1.289 ug/L

RT: 12.397 min Scan# 3532

Delta R.T. -0.029 min

Lab File: VV028344.D

Acq: 04 Oct 2022 22:57

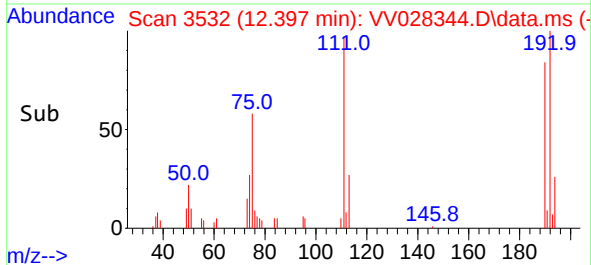
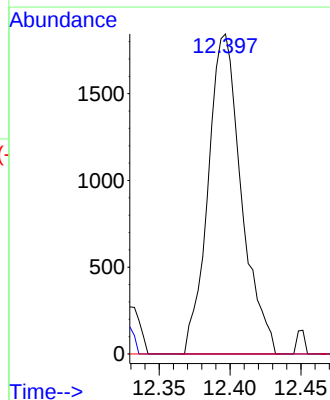
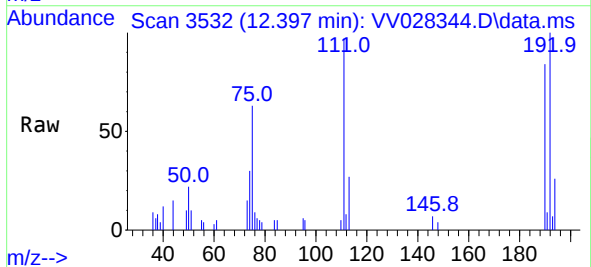
Tgt Ion: 75 Resp: 3016

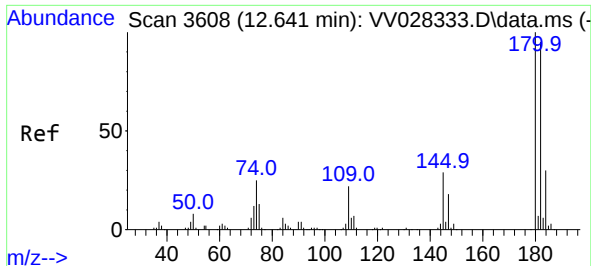
Ion Ratio Lower Upper

75 100

155 0.0 73.6 110.4#

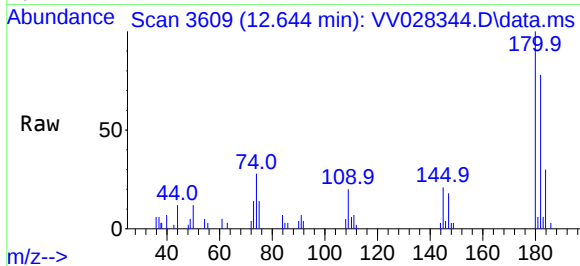
157 0.0 90.7 136.1#



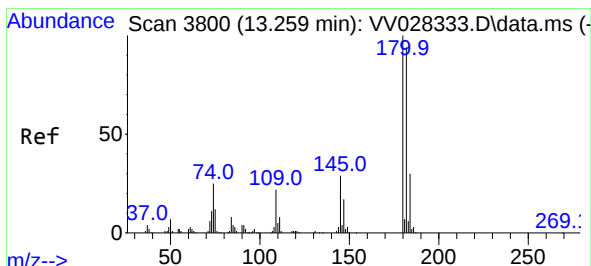
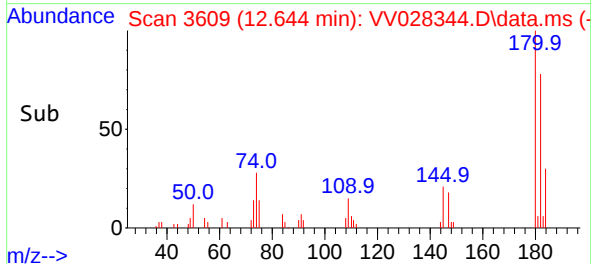
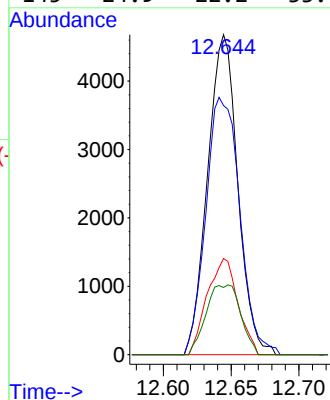


#69
 1,3,5-Trichlorobenzene
 Concen: 0.229 ug/L
 RT: 12.644 min Scan# 3608
 Delta R.T. 0.003 min
 Lab File: VV028344.D
 Acq: 04 Oct 2022 22:57

Instrument :
 MSVOA_V
 ClientSampleId :

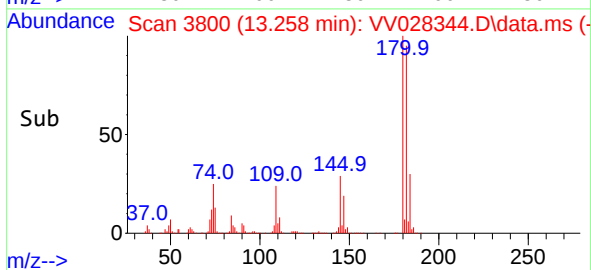
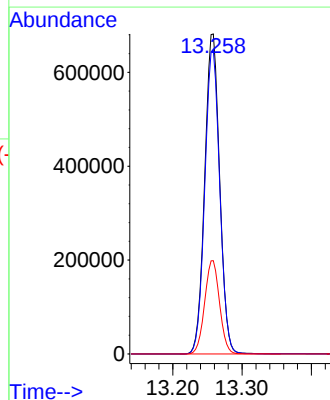
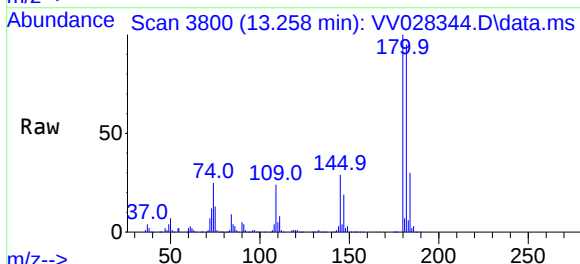


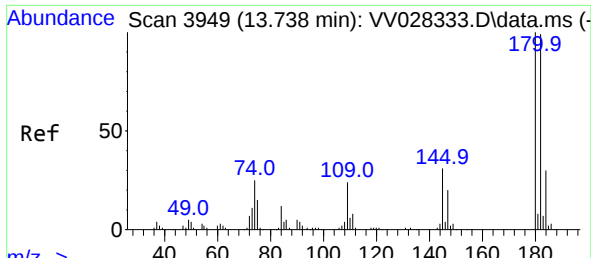
Tgt Ion:180 Resp: 7261
 Ion Ratio Lower Upper
 180 100
 182 90.2 75.5 113.3
 184 30.5 23.7 35.5
 145 24.9 22.2 33.4



#70
 1,2,4-trichlorobenzene
 Concen: 42.311 ug/L
 RT: 13.258 min Scan# 3800
 Delta R.T. 0.000 min
 Lab File: VV028344.D
 Acq: 04 Oct 2022 22:57

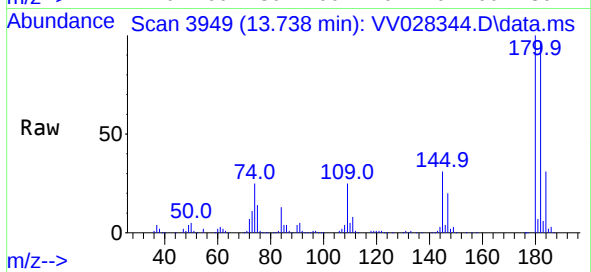
Tgt Ion:180 Resp: 1020930
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.3 114.5
 145 29.1 22.9 34.3





#72
 1,2,3-Trichlorobenzene
 Concen: 23.846 ug/L
 RT: 13.738 min Scan# 3949
 Delta R.T. -0.003 min
 Lab File: VV028344.D
 Acq: 04 Oct 2022 22:57

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 518677
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.4 116.0
 145 31.1 24.6 36.8

