

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100422\
 Data File : VW028345.D
 Acq On : 04 Oct 2022 23:21
 Operator : SY/MD
 Sample : N4872-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 05 04:17:32 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	5.613	114	213824	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	219148	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	146011	5.000	ug/L	# 0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.301	65	58953	3.669	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.400%
7) Chloroethane-d5	1.561	69	55773	4.101	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.000%
11) 1,1-Dichloroethene-d2	2.101	63	86956	2.872	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.400%#
20) 2-Butanone-d5	3.896	46	142199	52.310	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.620%
24) Chloroform-d	4.339	84	127895	4.394	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.027	65	60261	4.466	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.043	84	256160	4.261	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
36) 1,2-Dichloropropane-d6	6.063	67	79346	4.601	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.310	98	208879	3.778	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.600%
43) trans-1,3-Dichloroprop...	7.622	79	23709	3.610	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.200%
46) 2-Hexanone-d5	8.088	63	125847	46.811	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.620%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	59285	4.535	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.800%
66) 1,2-Dichlorobenzene-d4	11.632	152	110462	4.396	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%

Target Compounds

					Qvalue
3) Chloromethane	1.236	50	812	0.050	ug/L 82
8) Chloroethane	1.388	64	225153	18.406	ug/L # 50
13) Acetone	2.191	43	69937	39.180	ug/L 94
15) Methyl Acetate	2.191	43	69283	14.261	ug/L # 55
18) trans-1,2-Dichloroethene	2.751	96	773	0.048	ug/L 87
19) 1,1-Dichloroethane	3.185	63	4857	0.179	ug/L 90
21) 2-Butanone	4.092	43	19014	7.017	ug/L # 51
22) cis-1,2-Dichloroethene	3.905	96	18067	1.123	ug/L 98
25) Chloroform	4.365	83	3361	0.113	ug/L 83
30) Cyclohexane	4.667	56	10566	0.454	ug/L # 85
33) Benzene	5.098	78	11079	0.170	ug/L 100
34) Trichloroethene	5.912	95	45157	2.765	ug/L 94
35) Methylcyclohexane	6.066	83	19141	0.718	ug/L # 16
37) 1,2-Dichloropropane	6.066	63	8527	0.564	ug/L # 88
39) cis-1,3-Dichloropropene	6.985	75	1686	0.078	ug/L # 31
47) Tetrachloroethene	7.973	164	26033	1.824	ug/L 95
49) Dibromochloromethane	7.973	129	22938	1.617	ug/L # 11
51) Chlorobenzene	8.876	112	5174661	113.350	ug/L 99
61) 1,2,3-Trichloropropane	11.181	75	3107927	275.863	ug/L # 49

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 04 02:28:45 2022
Response via : Initial Calibration

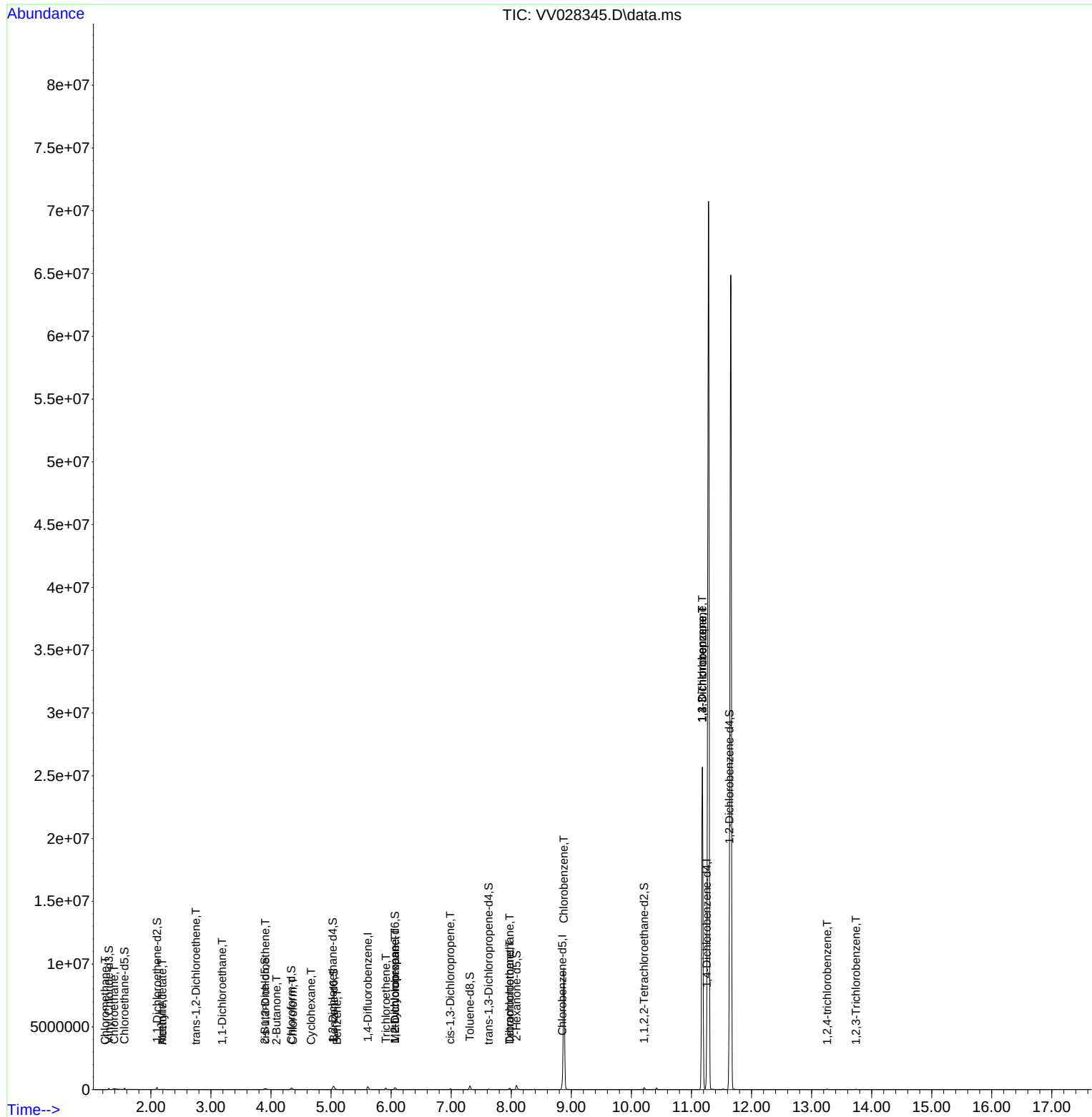
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.181	146	10620912	241.985	ug/L	96
65) 1,4-Dichlorobenzene	11.181	146	10620912	241.669	ug/L	95
70) 1,2,4-trichlorobenzene	13.259	180	15414	0.583	ug/L	98
72) 1,2,3-Trichlorobenzene	13.741	180	10714	0.449	ug/L	98

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

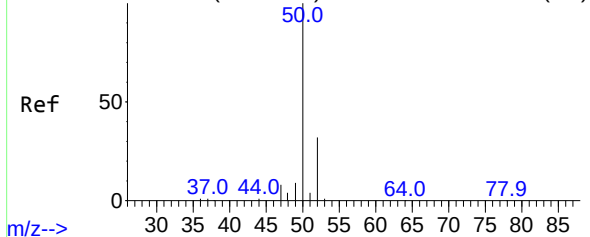
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100422\
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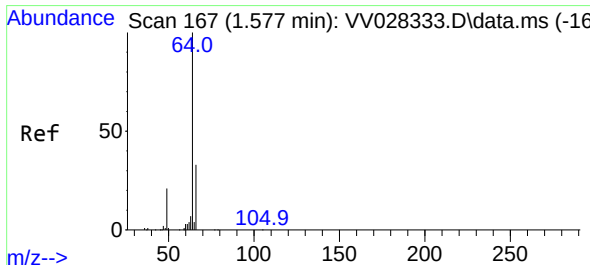
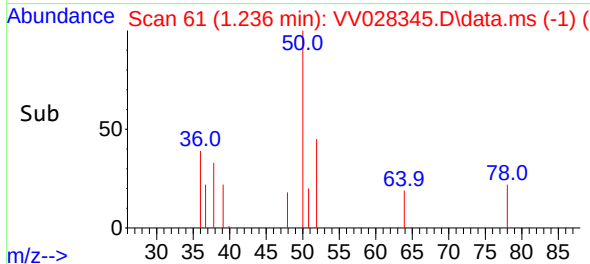
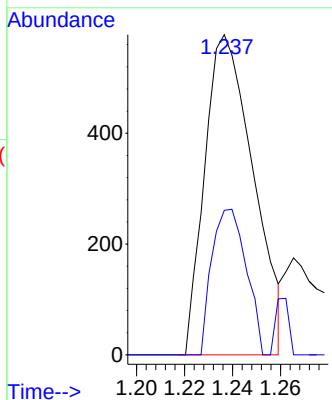
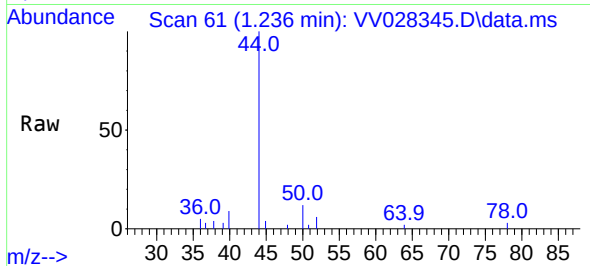
Abundance Scan 61 (1.237 min): VV028333.D\data.ms (-52)



#3
Chloromethane
Concen: 0.050 ug/L
RT: 1.236 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

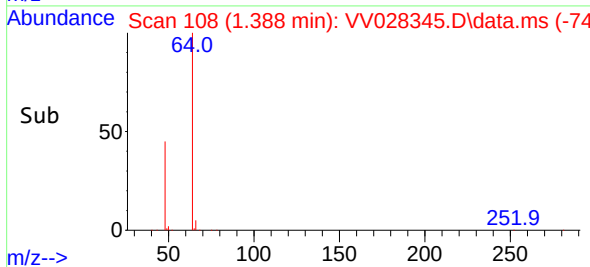
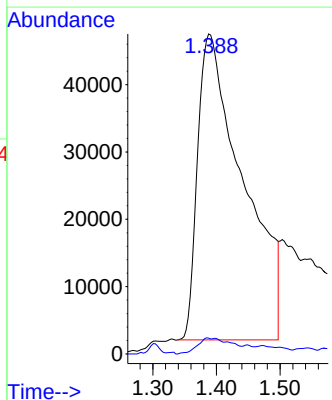
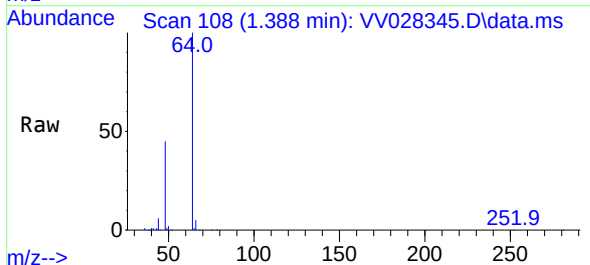
Instrument :
MSVOA_V
ClientSampleId :

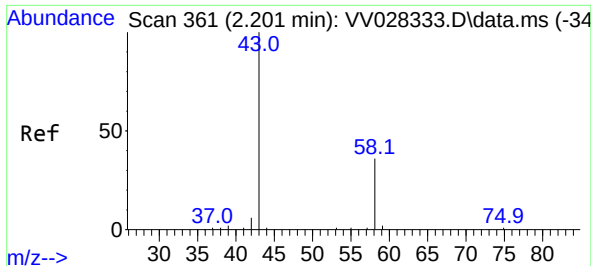
Tgt Ion: 50 Resp: 812
Ion Ratio Lower Upper
50 100
52 45.2 24.4 45.2



#8
Chloroethane
Concen: 18.406 ug/L
RT: 1.388 min Scan# 108
Delta R.T. -0.190 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

Tgt Ion: 64 Resp: 225153
Ion Ratio Lower Upper
64 100
66 4.9 23.0 42.8#

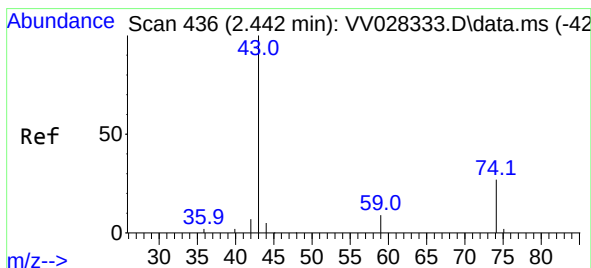
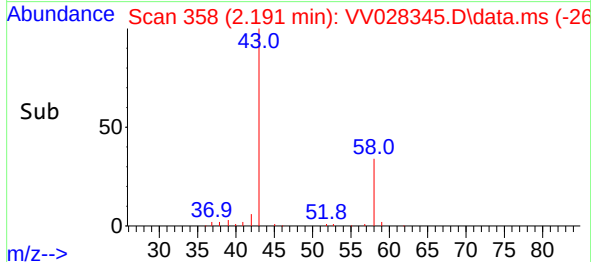
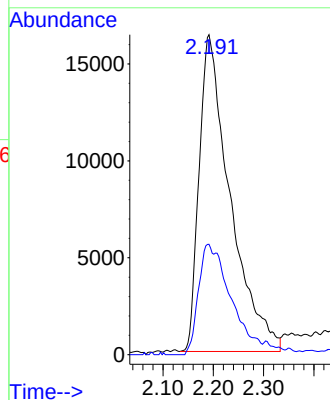
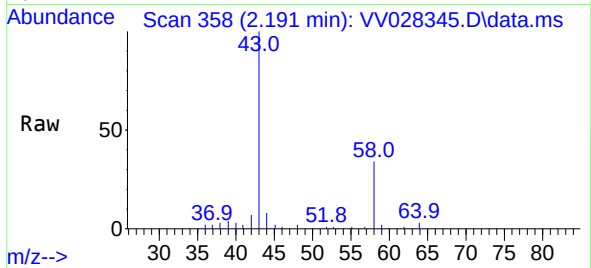




#13
Acetone
Concen: 39.180 ug/L
RT: 2.191 min Scan# 358
Delta R.T. 0.016 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

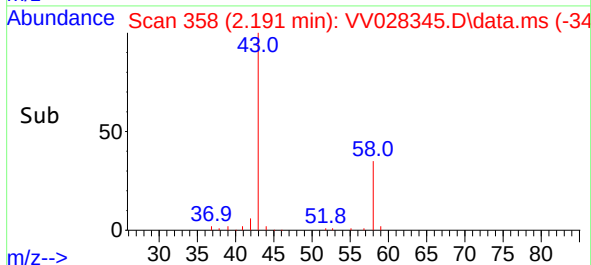
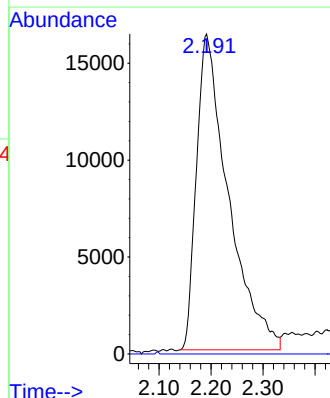
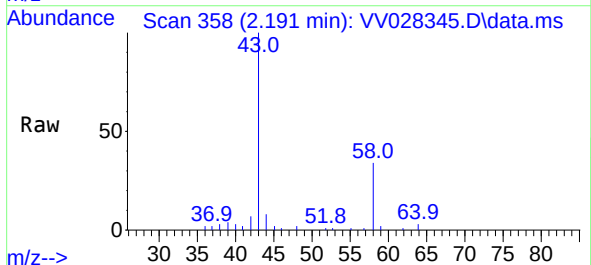
Instrument :
MSVOA_V
ClientSampleId :

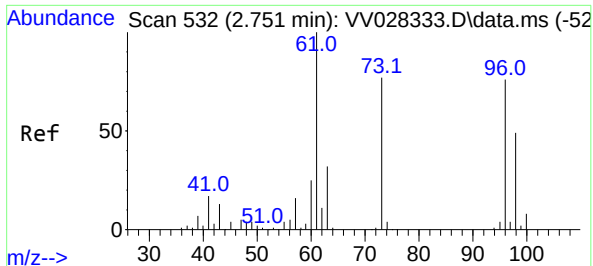
Tgt Ion: 43 Resp: 69937
Ion Ratio Lower Upper
43 100
58 36.2 0.0 65.6



#15
Methyl Acetate
Concen: 14.261 ug/L
RT: 2.191 min Scan# 358
Delta R.T. -0.241 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

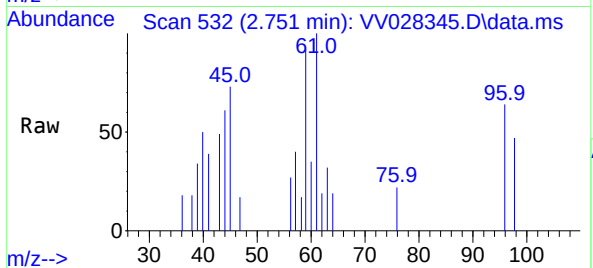
Tgt Ion: 43 Resp: 69283
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



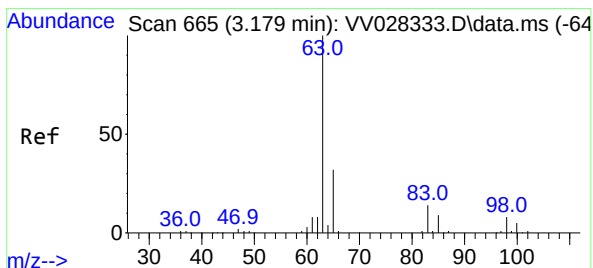
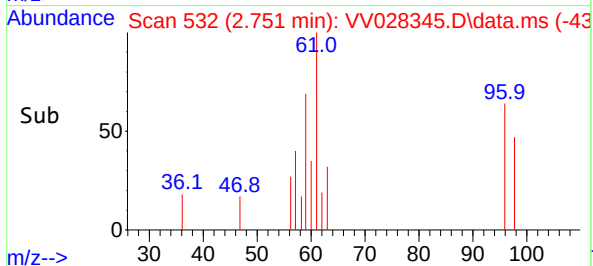
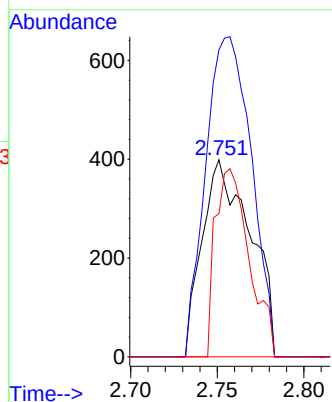


#18
trans-1,2-Dichloroethene
Concen: 0.048 ug/L
RT: 2.751 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

Instrument :
MSVOA_V
ClientSampleId :

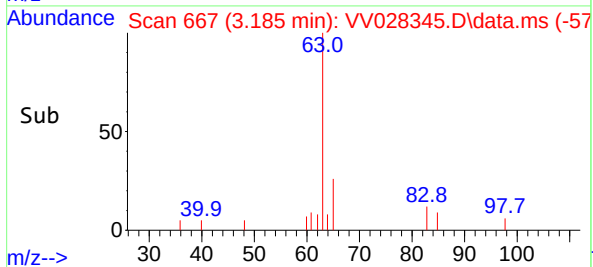
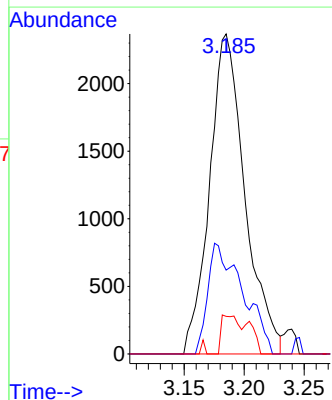
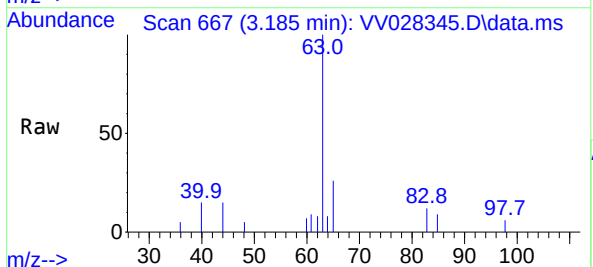


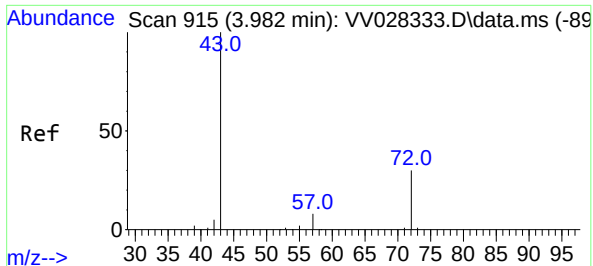
Tgt Ion: 96 Resp: 773
Ion Ratio Lower Upper
96 100
61 155.6 96.2 178.6
98 72.7 45.7 84.9



#19
1,1-Dichloroethane
Concen: 0.179 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

Tgt Ion: 63 Resp: 4857
Ion Ratio Lower Upper
63 100
65 26.2 23.0 42.8
83 11.7 9.2 17.2





#21

2-Butanone

Concen: 7.017 ug/L

RT: 4.092 min Scan# 94

Delta R.T. 0.122 min

Lab File: VV028345.D

Acq: 04 Oct 2022 23:21

Instrument :

MSVOA_V

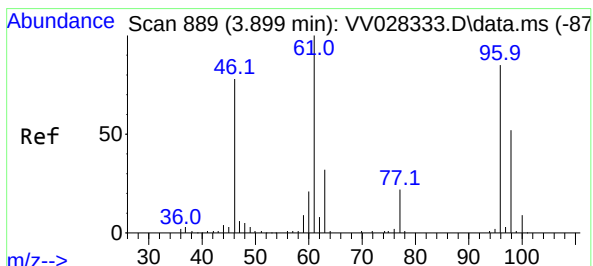
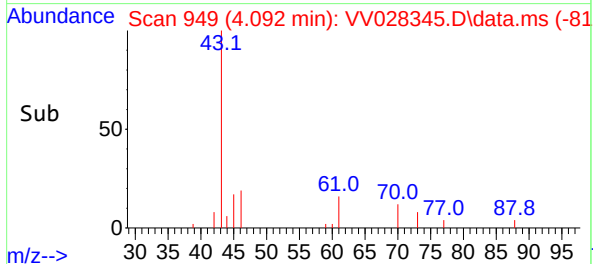
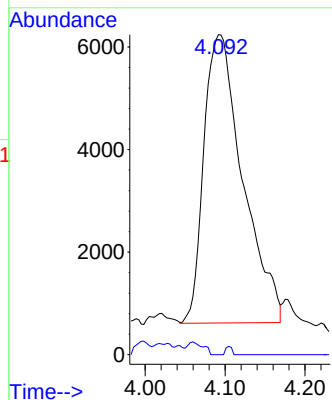
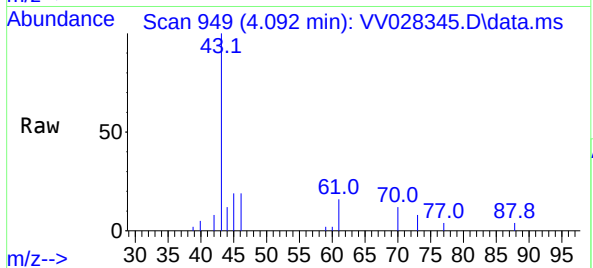
ClientSampleId :

Tgt Ion: 43 Resp: 19014

Ion Ratio Lower Upper

43 100

72 0.4 12.7 38.1#



#22

cis-1,2-Dichloroethene

Concen: 1.123 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV028345.D

Acq: 04 Oct 2022 23:21

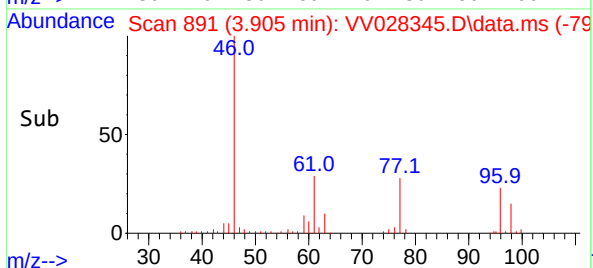
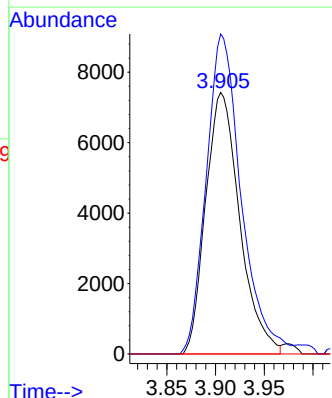
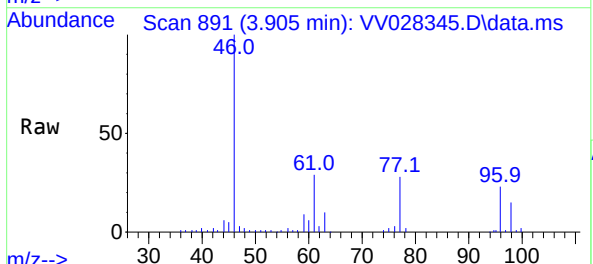
Tgt Ion: 96 Resp: 18067

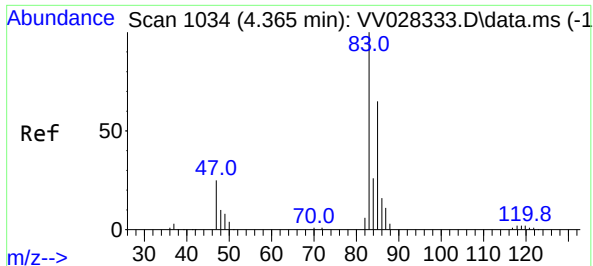
Ion Ratio Lower Upper

96 100

61 122.4 87.2 161.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.113 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV028345.D

Acq: 04 Oct 2022 23:21

Instrument :

MSVOA_V

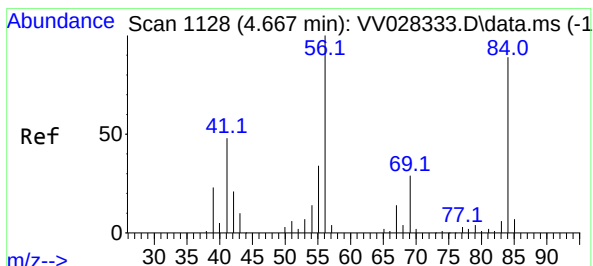
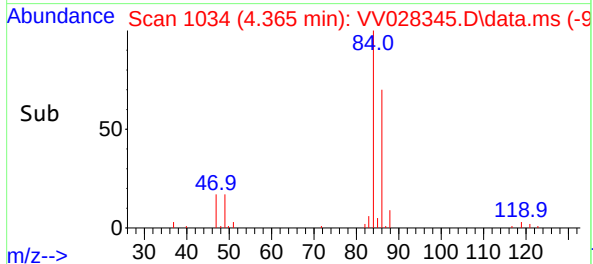
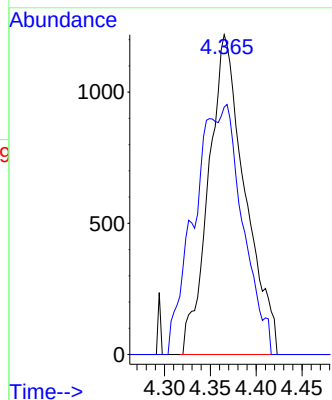
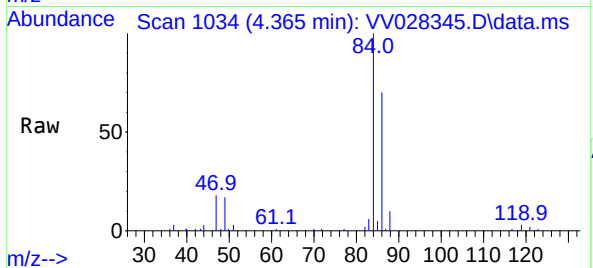
ClientSampleId :

Tgt Ion: 83 Resp: 3361

Ion Ratio Lower Upper

83 100

85 77.4 45.1 83.7



#30

Cyclohexane

Concen: 0.454 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VV028345.D

Acq: 04 Oct 2022 23:21

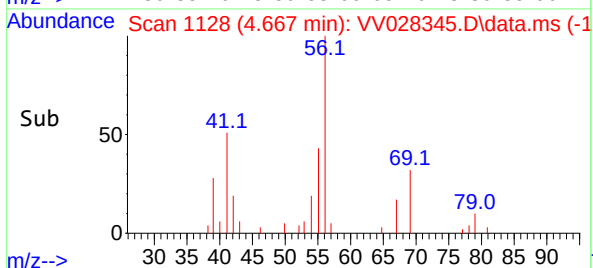
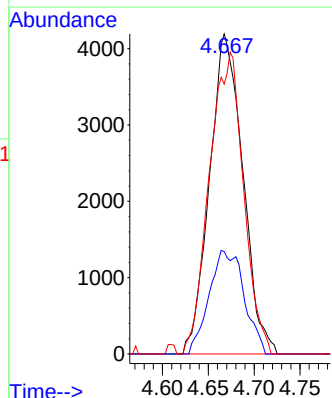
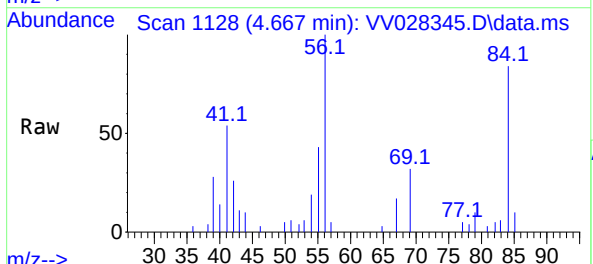
Tgt Ion: 56 Resp: 10566

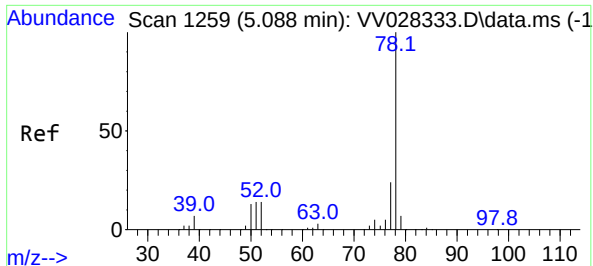
Ion Ratio Lower Upper

56 100

69 20.5 23.7 35.5

84 96.7 67.3 100.9

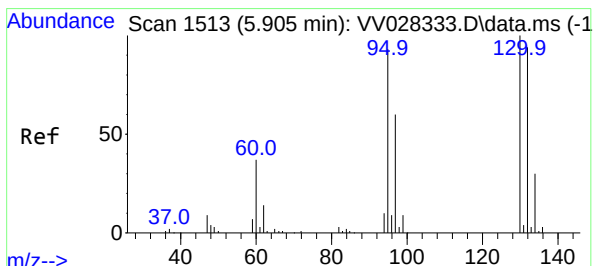
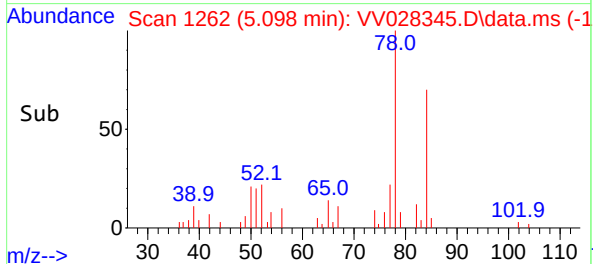
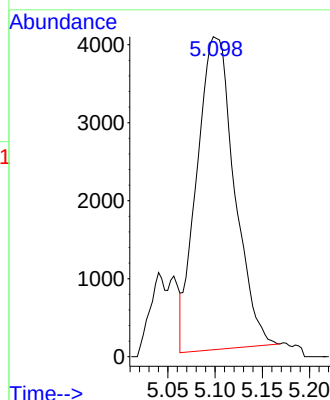
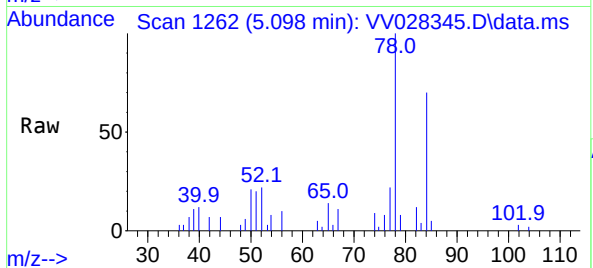




#33
Benzene
Concen: 0.170 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

Instrument :
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ClientSampleId :

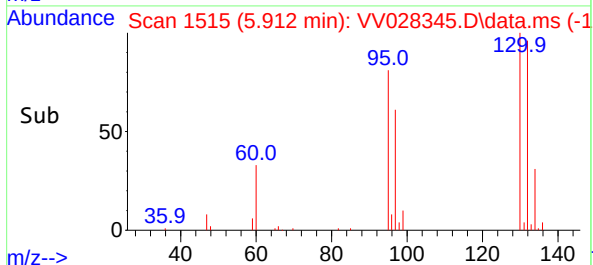
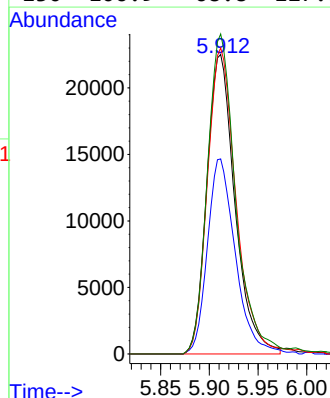
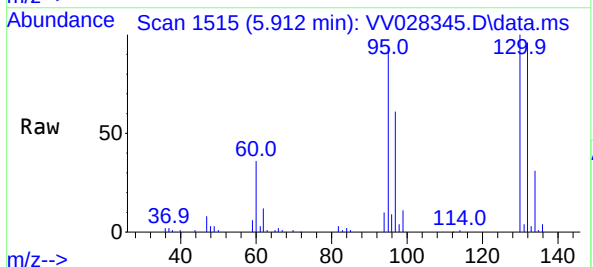
Tgt Ion: 78 Resp: 11079

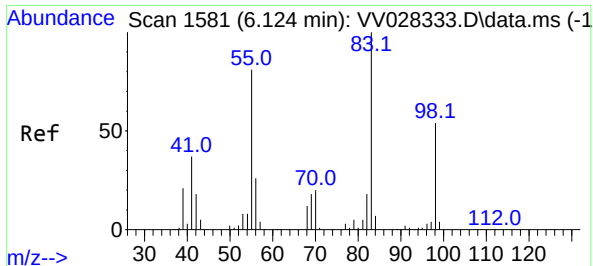


#34
Trichloroethene
Concen: 2.765 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

Tgt Ion: 95 Resp: 45157

Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.2	82.0
132	102.2	67.8	126.0
130	106.9	68.8	127.8

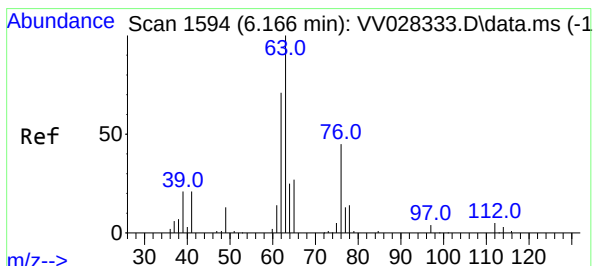
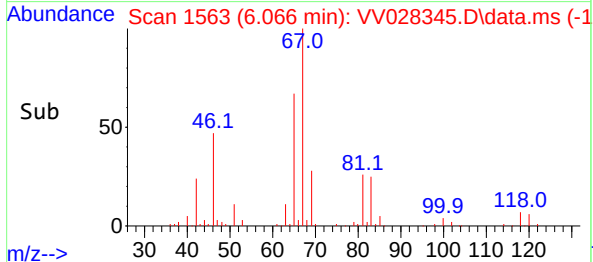
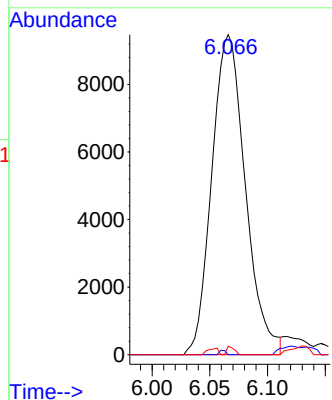
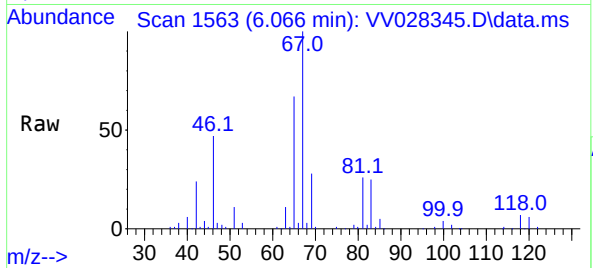




#35
Methylcyclohexane
Concen: 0.718 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.058 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

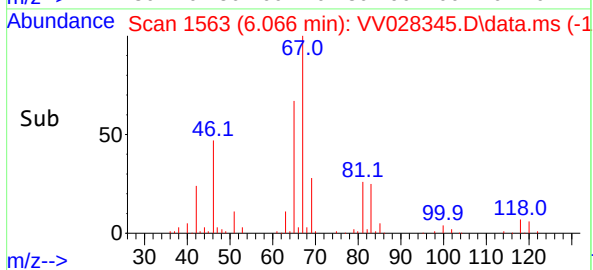
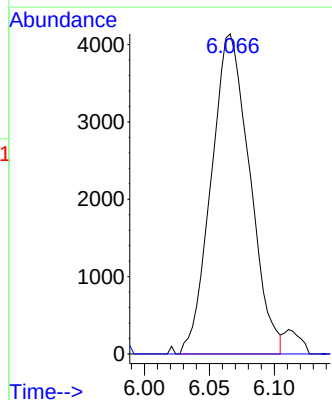
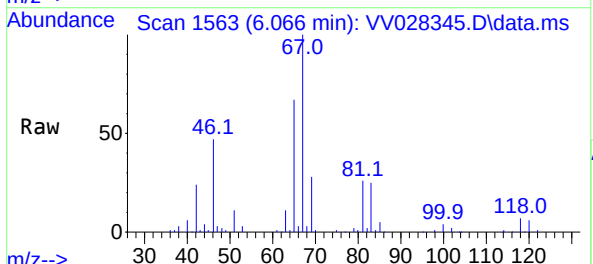
Instrument :
MSVOA_V
ClientSampleId :

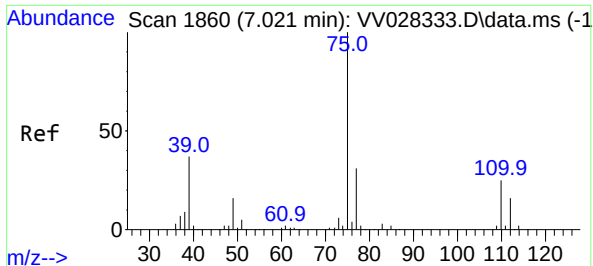
Tgt Ion	83	Resp	19141
Ion Ratio	100		
Lower			
Upper			
55	0.0	64.7	97.1#
98	0.6	39.5	59.3#



#37
1,2-Dichloropropane
Concen: 0.564 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.103 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

Tgt Ion	63	Resp	8527
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
112	0.5	3.5	5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV028345.D

Acq: 04 Oct 2022 23:21

Instrument :

MSVOA_V

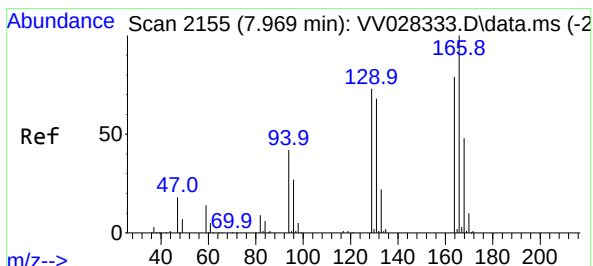
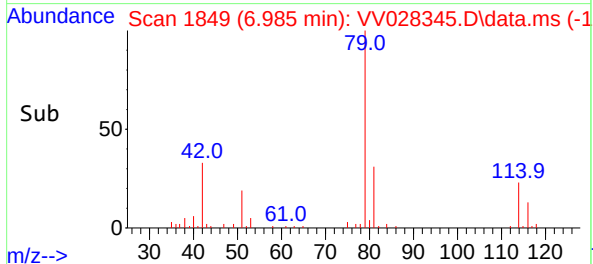
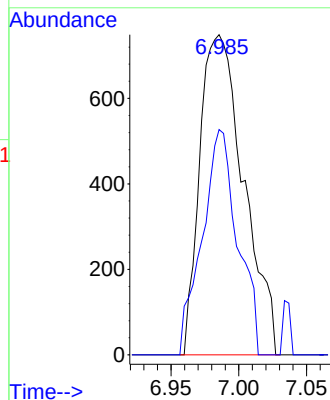
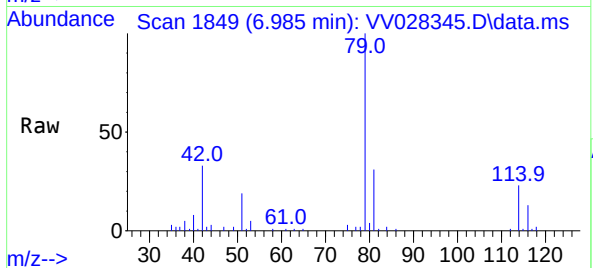
ClientSampleId :

Tgt Ion: 75 Resp: 1686

Ion Ratio Lower Upper

75 100

77 70.4 22.4 41.6#



#47

Tetrachloroethene

Concen: 1.824 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.004 min

Lab File: VV028345.D

Acq: 04 Oct 2022 23:21

Tgt Ion: 164 Resp: 26033

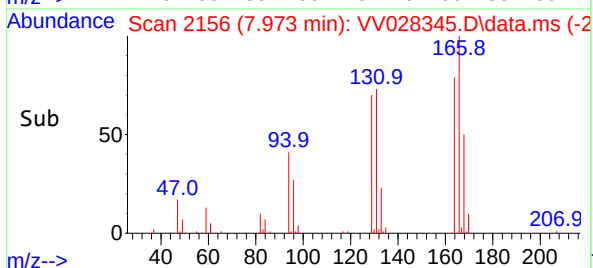
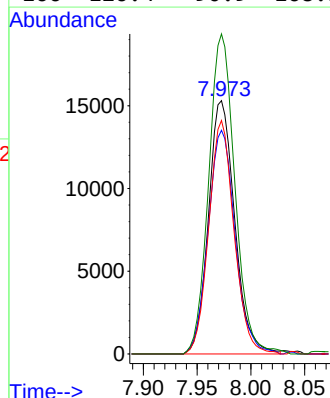
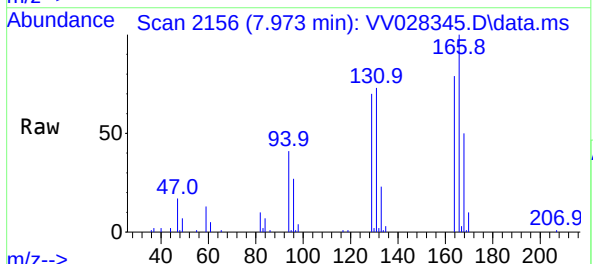
Ion Ratio Lower Upper

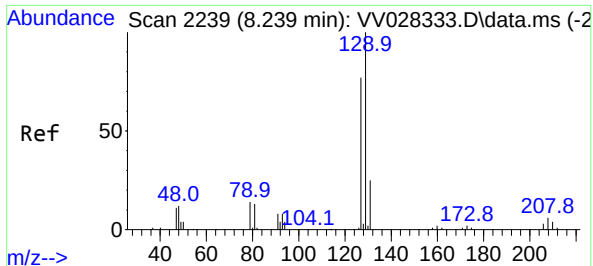
164 100

129 88.4 66.7 123.9

131 92.2 61.7 114.5

166 126.4 90.9 168.9





#49

Dibromochloromethane

Concen: 1.617 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV028345.D

Acq: 04 Oct 2022 23:21

Instrument :

MSVOA_V

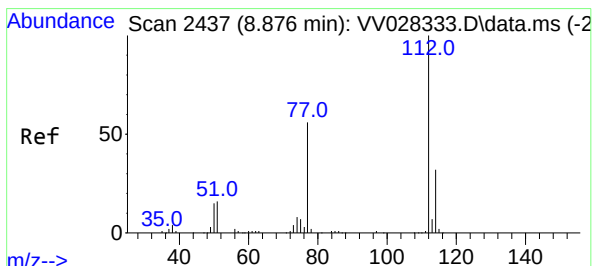
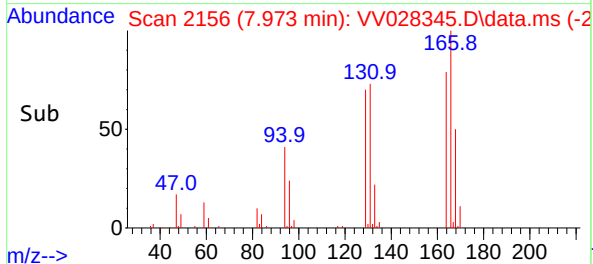
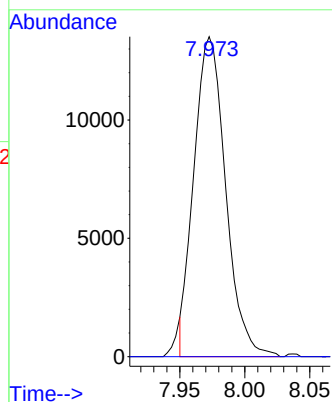
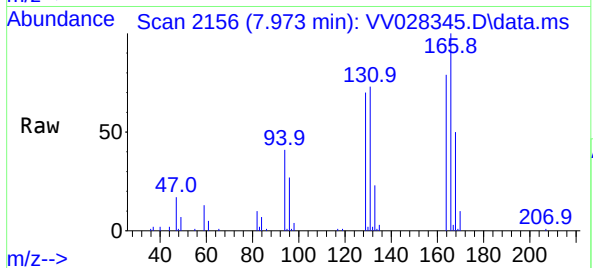
ClientSampleId :

Tgt Ion:129 Resp: 22938

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



#51

Chlorobenzene

Concen: 113.350 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.003 min

Lab File: VV028345.D

Acq: 04 Oct 2022 23:21

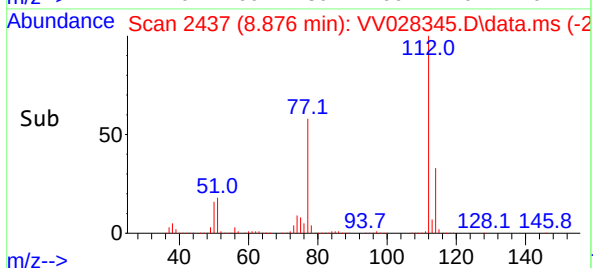
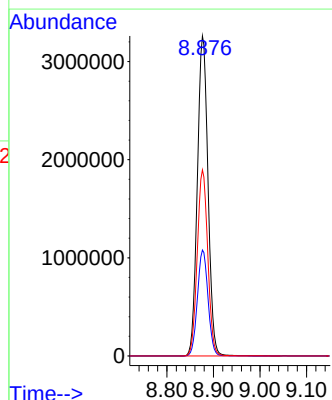
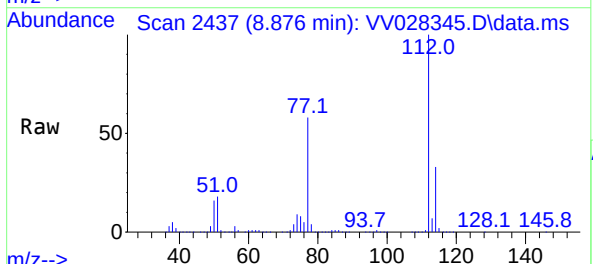
Tgt Ion:112 Resp: 5174661

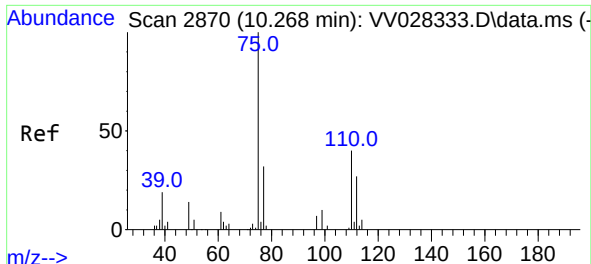
Ion Ratio Lower Upper

112 100

114 33.1 22.5 41.7

77 58.2 46.1 69.1

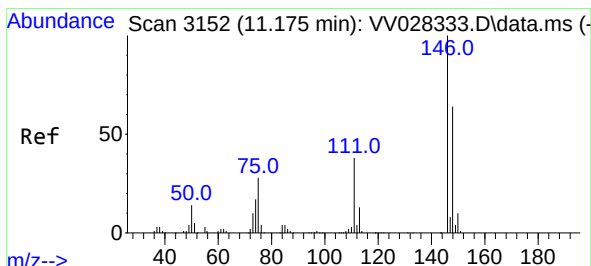
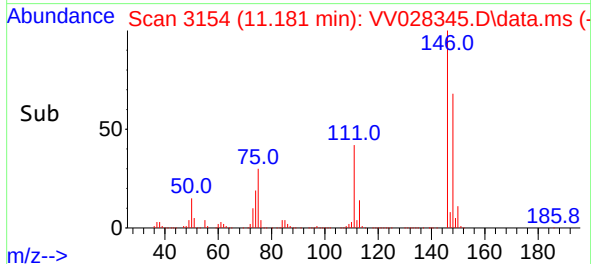
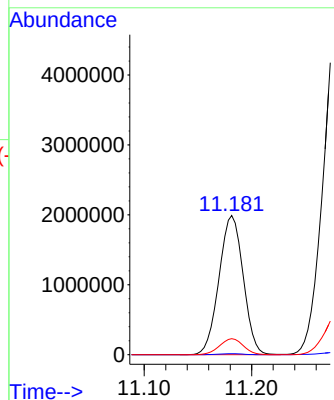
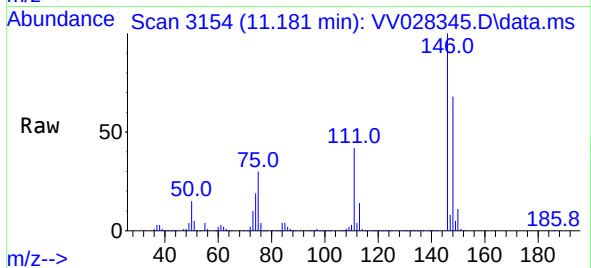




#61
1,2,3-Trichloropropane
Concen: 275.863 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.910 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

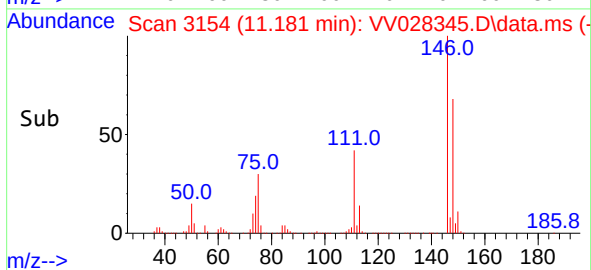
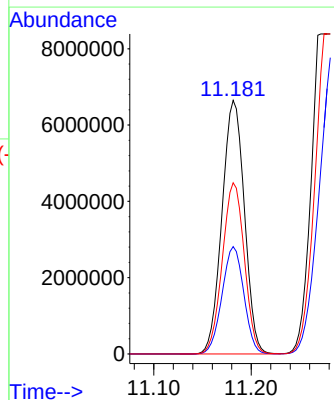
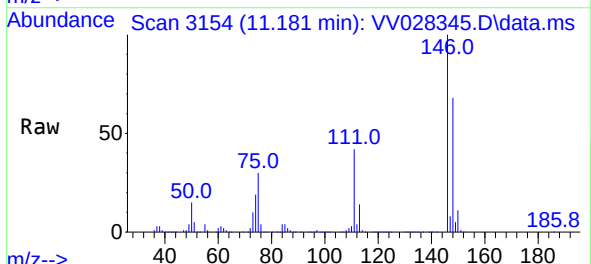
Instrument :
MSVOA_V
ClientSampleId :

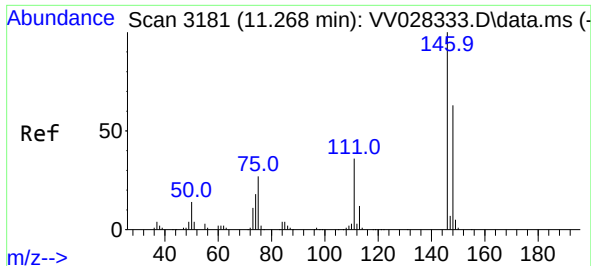
Tgt Ion: 75 Resp: 3107927
Ion Ratio Lower Upper
75 100
77 0.0 26.7 40.1#
110 11.3 30.1 45.1#



#64
1,3-Dichlorobenzene
Concen: 241.985 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

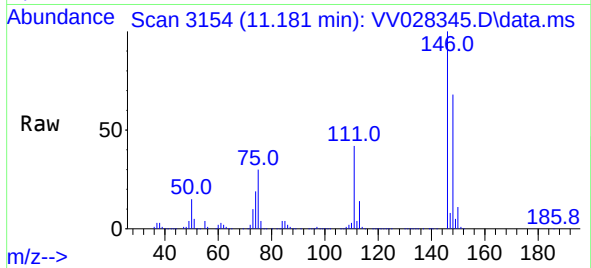
Tgt Ion:146 Resp:10620912
Ion Ratio Lower Upper
146 100
111 42.4 27.1 50.3
148 67.5 45.7 84.9



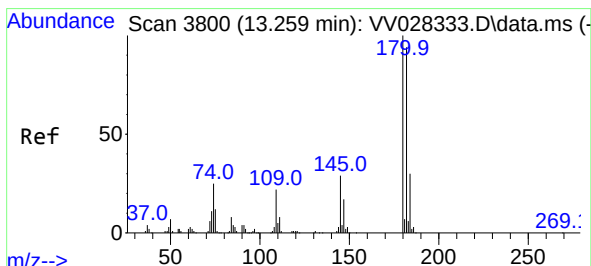
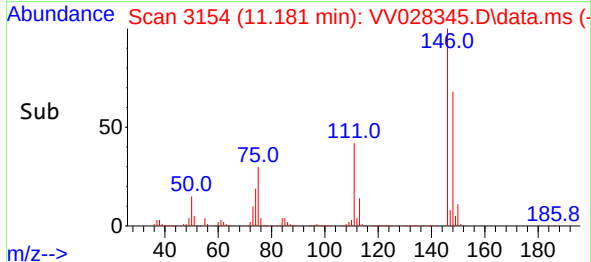
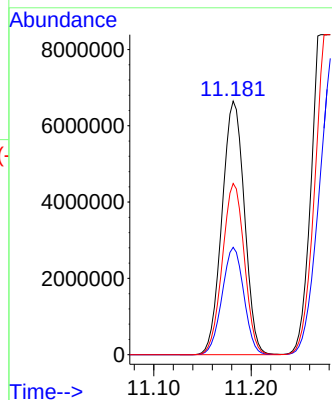


#65
1,4-Dichlorobenzene
Concen: 241.669 ug/L
RT: 11.181 min Scan# 3181
Delta R.T. -0.087 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

Instrument :
MSVOA_V
ClientSampleId :

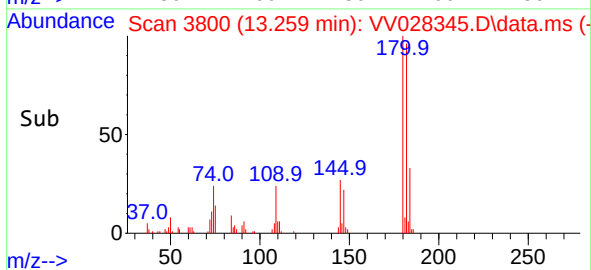
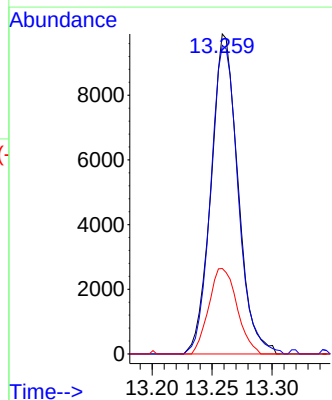
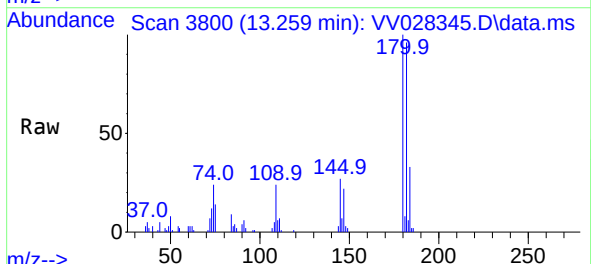


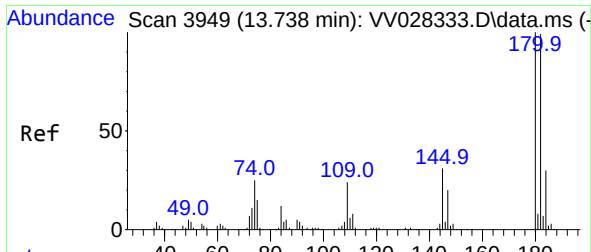
Tgt Ion:146 Resp:10620912
Ion Ratio Lower Upper
146 100
111 42.4 26.2 48.8
148 67.5 45.8 85.2



#70
1,2,4-trichlorobenzene
Concen: 0.583 ug/L
RT: 13.259 min Scan# 3800
Delta R.T. 0.000 min
Lab File: VV028345.D
Acq: 04 Oct 2022 23:21

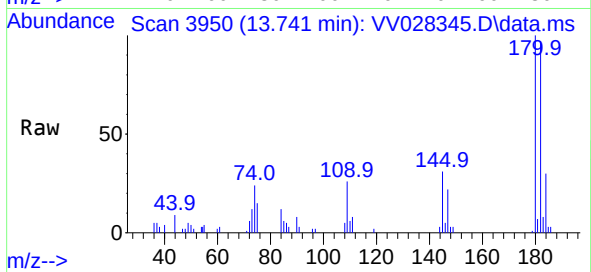
Tgt Ion:180 Resp: 15414
Ion Ratio Lower Upper
180 100
182 98.0 76.3 114.5
145 28.0 22.9 34.3





#72
 1,2,3-Trichlorobenzene
 Concen: 0.449 ug/L
 RT: 13.741 min Scan# 3949
 Delta R.T. 0.000 min
 Lab File: VV028345.D
 Acq: 04 Oct 2022 23:21

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 10714
 Ion Ratio Lower Upper
 180 100
 182 99.1 77.4 116.0
 145 31.6 24.6 36.8

