

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100422\
 Data File : VW028346.D
 Acq On : 04 Oct 2022 23:46
 Operator : SY/MD
 Sample : N4872-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 05 04:17:44 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	186320	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	195282	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	127978	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	51882	3.706	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.200%
7) Chloroethane-d5	1.561	69	48994	4.134	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.101	63	78761	2.985	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.600%#
20) 2-Butanone-d5	3.896	46	139617	58.942	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.880%
24) Chloroform-d	4.339	84	114318	4.508	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.027	65	55545	4.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.043	84	229162	4.278	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	6.063	67	72857	4.741	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.310	98	190623	3.869	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	7.622	79	22995	3.929	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.600%
46) 2-Hexanone-d5	8.088	63	120033	50.105	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.220%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	54682	4.694	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	11.641	152	116268	5.279	ug/L	0.02
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1087	0.077	ug/L #	79
5) Vinyl chloride	1.304	62	3022	0.189	ug/L #	1
6) Bromomethane	1.519	94	353	0.046	ug/L #	65
8) Chloroethane	1.388	64	168503	15.809	ug/L #	51
13) Acetone	2.188	43	133779	86.009	ug/L	96
14) Carbon disulfide	2.288	76	3179	0.076	ug/L	99
15) Methyl Acetate	2.188	43	130658	30.864	ug/L #	55
18) trans-1,2-Dichloroethene	2.754	96	18925	1.360	ug/L	97
21) 2-Butanone	4.092	43	15827	6.703	ug/L #	51
22) cis-1,2-Dichloroethene	3.902	96	27978	1.996	ug/L	91
25) Chloroform	4.371	83	6474	0.249	ug/L	97
30) Cyclohexane	4.670	56	6631	0.320	ug/L	93
33) Benzene	5.092	78	382691	6.583	ug/L	100
34) Trichloroethene	5.912	95	17270	1.186	ug/L	98
35) Methylcyclohexane	6.066	83	17733	0.746	ug/L #	17
37) 1,2-Dichloropropane	6.066	63	7508	0.558	ug/L #	87
42) Toluene	7.391	91	18865	0.308	ug/L	97
47) Tetrachloroethene	7.973	164	56029	4.404	ug/L	96
49) Dibromochloromethane	7.969	129	49199	3.893	ug/L #	11

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100422\
 Data File : VV028346.D
 Acq On : 04 Oct 2022 23:46
 Operator : SY/MD
 Sample : N4872-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

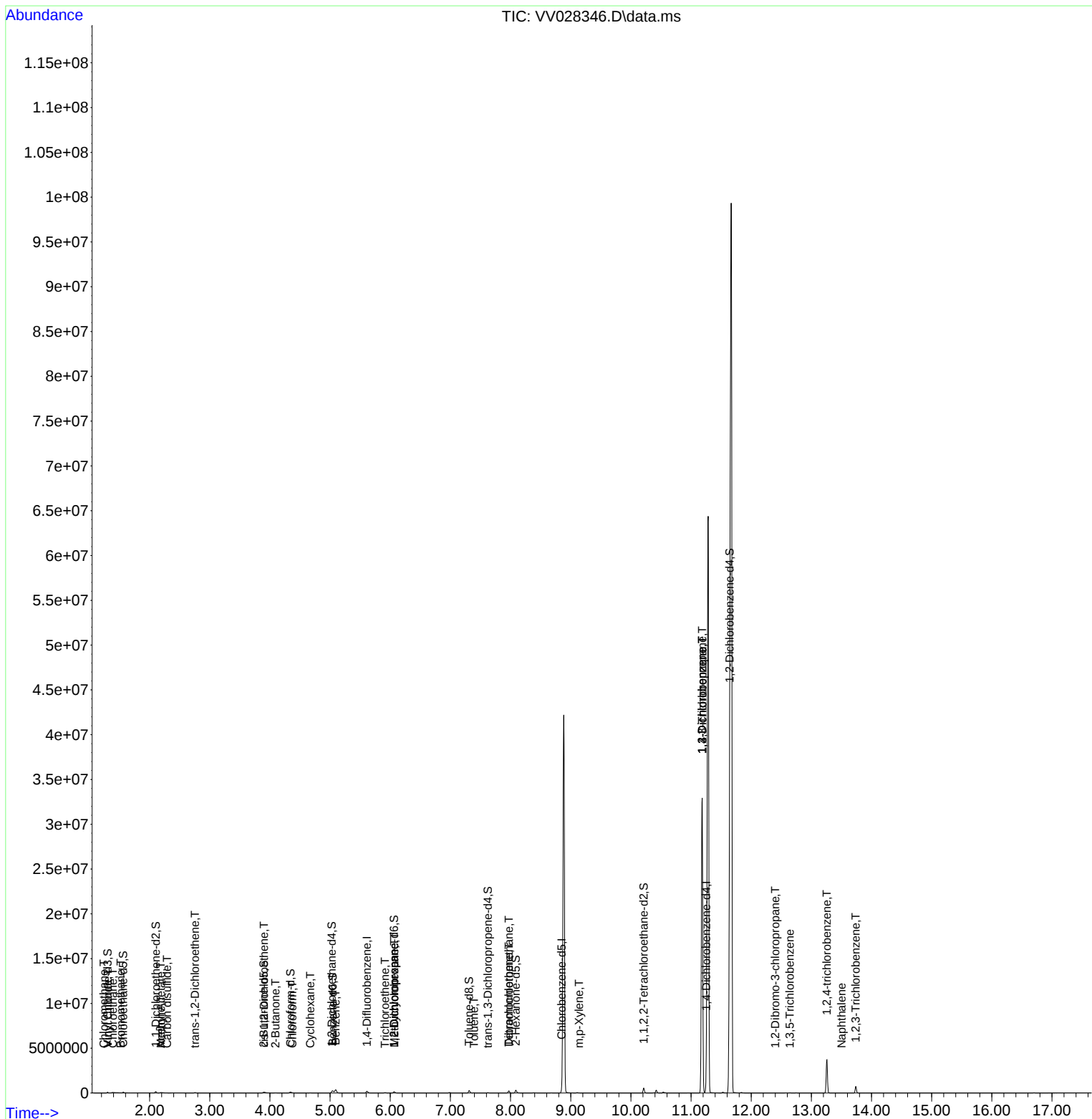
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 05 04:17:44 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

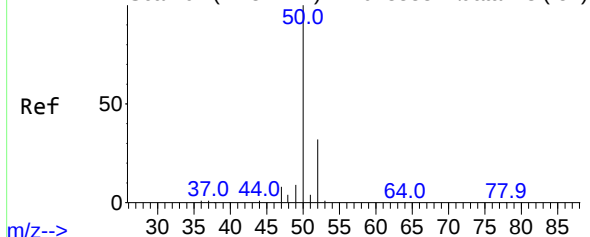
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.140	106	1395	0.054	ug/L	75
61) 1,2,3-Trichloropropane	11.185	75	3996243	404.692	ug/L #	49
64) 1,3-Dichlorobenzene	11.185	146	13244023	344.268	ug/L	93
65) 1,4-Dichlorobenzene	11.185	146	13244023	343.819	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.397	75	2548	1.133	ug/L #	1
69) 1,3,5-Trichlorobenzene	12.644	180	7737	0.254	ug/L	98
70) 1,2,4-trichlorobenzene	13.259	180	1151833	49.672	ug/L	100
71) Naphthalene	13.503	128	3568	0.099	ug/L #	93
72) 1,2,3-Trichlorobenzene	13.738	180	226728	10.846	ug/L	99

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

Quant Time: Oct 05 04:17:44 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



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



#3

Chloromethane

Concen: 0.077 ug/L

RT: 1.240 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV028346.D

Acq: 04 Oct 2022 23:46

Instrument :

MSVOA_V

ClientSampleId :

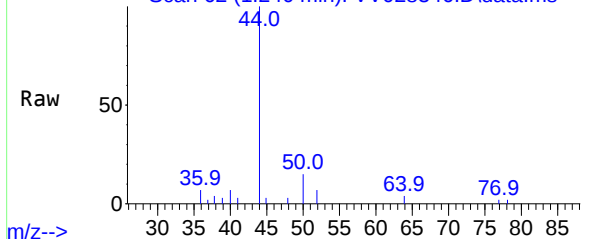
Tgt Ion: 50 Resp: 1087

Ion Ratio Lower Upper

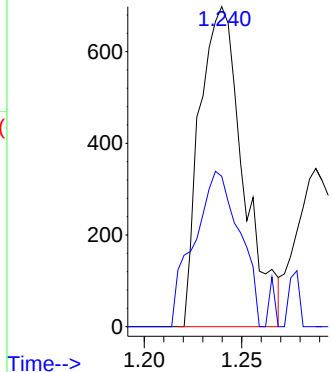
50 100

52 47.0 24.4 45.2#

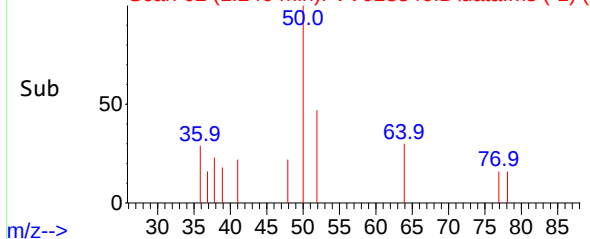
Abundance Scan 62 (1.240 min): VV028346.D\data.ms



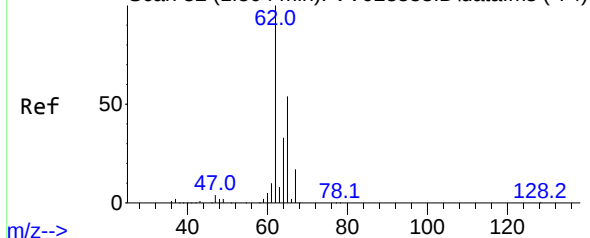
Abundance



Abundance Scan 62 (1.240 min): VV028346.D\data.ms (-1)



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



#5

Vinyl chloride

Concen: 0.189 ug/L

RT: 1.304 min Scan# 82

Delta R.T. 0.000 min

Lab File: VV028346.D

Acq: 04 Oct 2022 23:46

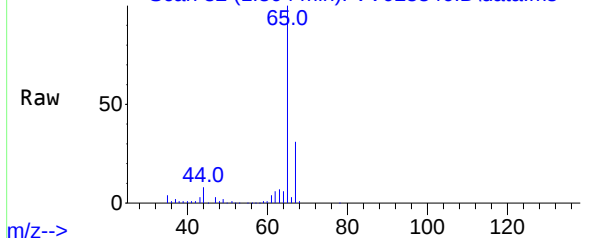
Tgt Ion: 62 Resp: 3022

Ion Ratio Lower Upper

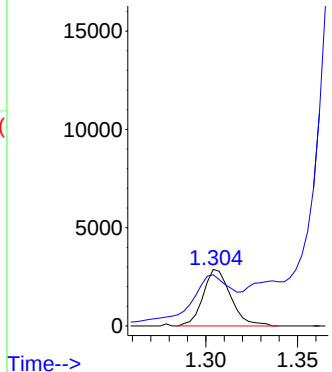
62 100

64 90.8 23.0 42.8#

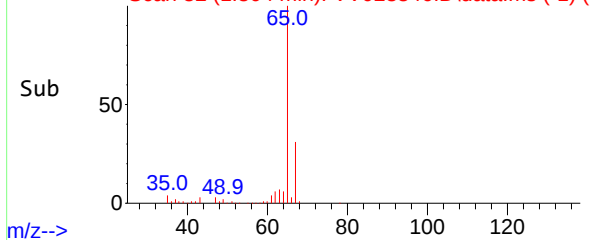
Abundance Scan 82 (1.304 min): VV028346.D\data.ms

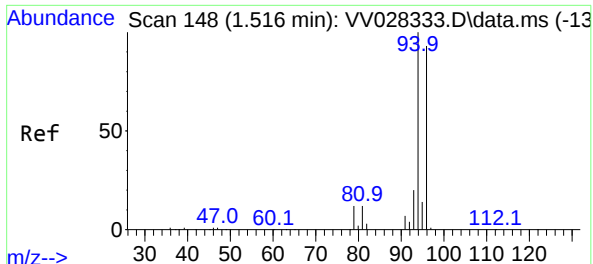


Abundance



Abundance Scan 82 (1.304 min): VV028346.D\data.ms (-1)

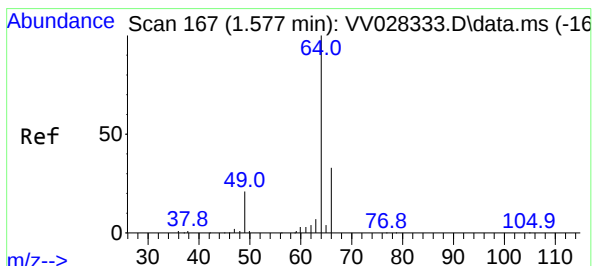
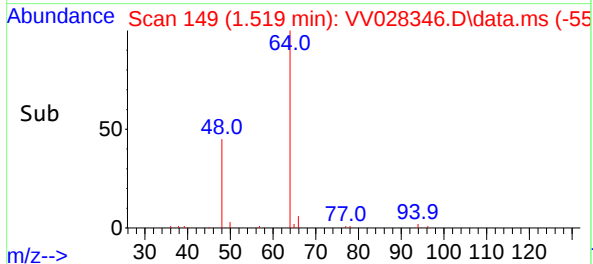
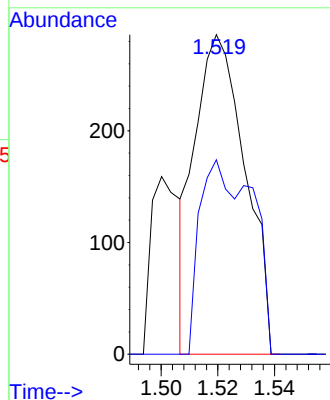
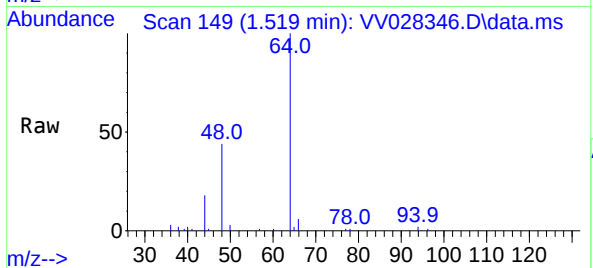




#6
Bromomethane
Concen: 0.046 ug/L
RT: 1.519 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

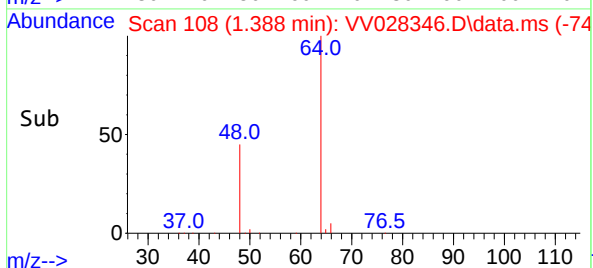
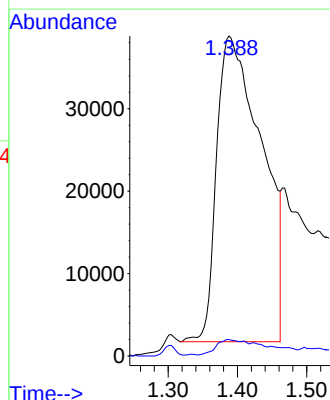
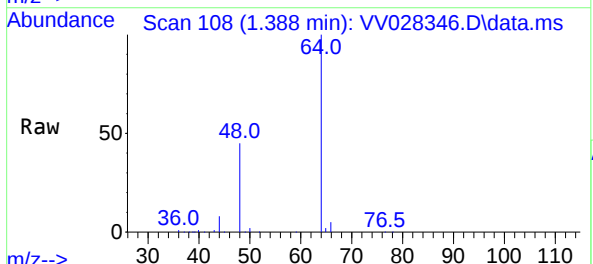
Instrument :
MSVOA_V
ClientSampleId :

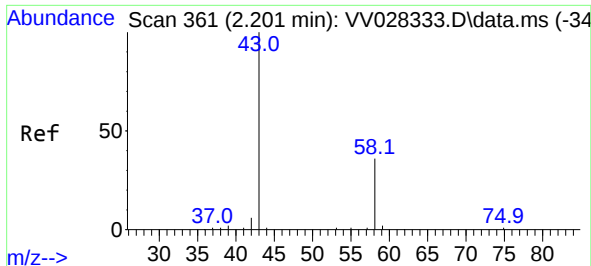
Tgt Ion: 94 Resp: 353
Ion Ratio Lower Upper
94 100
96 60.8 66.7 123.9#



#8
Chloroethane
Concen: 15.809 ug/L
RT: 1.388 min Scan# 108
Delta R.T. -0.190 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

Tgt Ion: 64 Resp: 168503
Ion Ratio Lower Upper
64 100
66 5.1 23.0 42.8#





#13

Acetone

Concen: 86.009 ug/L

RT: 2.188 min Scan# 3

Delta R.T. 0.013 min

Lab File: VV028346.D

Acq: 04 Oct 2022 23:46

Instrument :

MSVOA_V

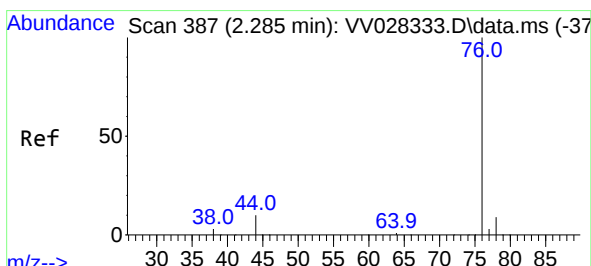
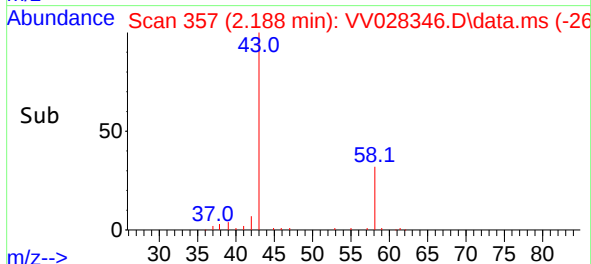
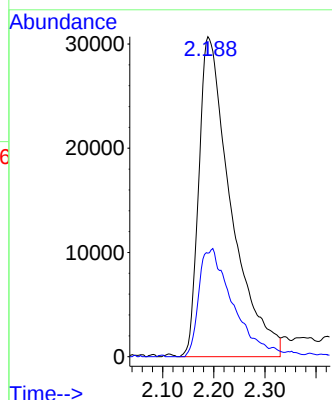
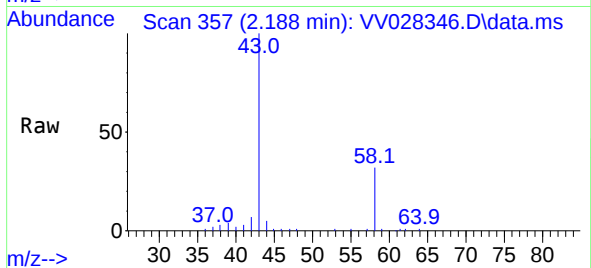
ClientSampleId :

Tgt Ion: 43 Resp: 133779

Ion Ratio Lower Upper

43 100

58 35.0 0.0 65.6



#14

Carbon disulfide

Concen: 0.076 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

Lab File: VV028346.D

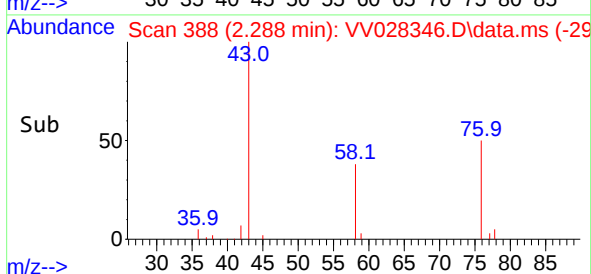
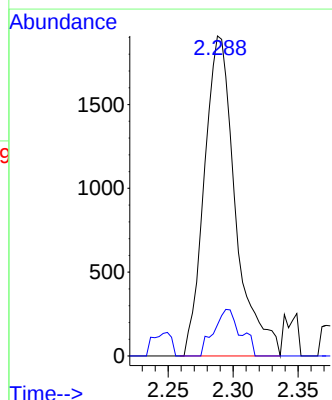
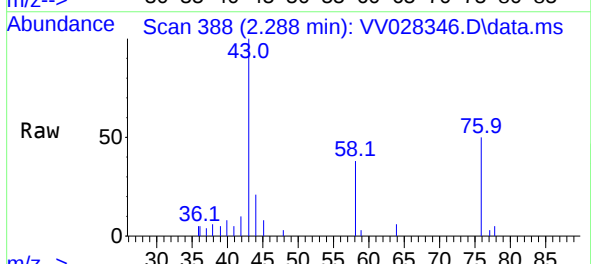
Acq: 04 Oct 2022 23:46

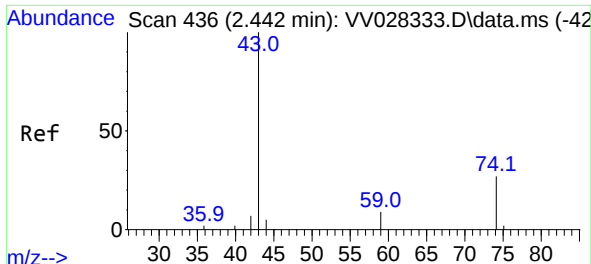
Tgt Ion: 76 Resp: 3179

Ion Ratio Lower Upper

76 100

78 9.7 7.6 11.4

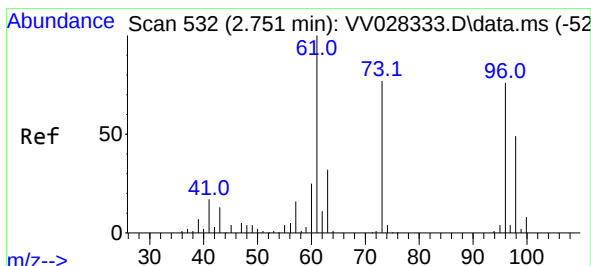
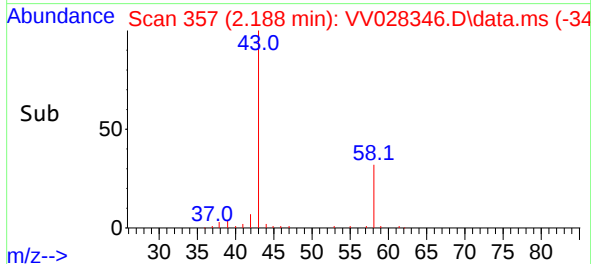
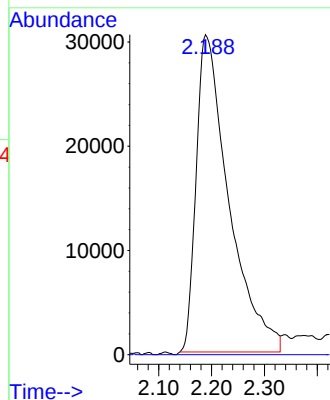
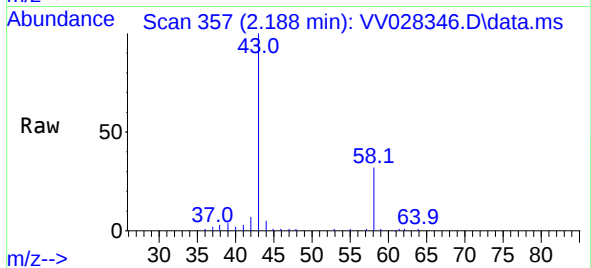




#15
Methyl Acetate
Concen: 30.864 ug/L
RT: 2.188 min Scan# 31
Delta R.T. -0.244 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

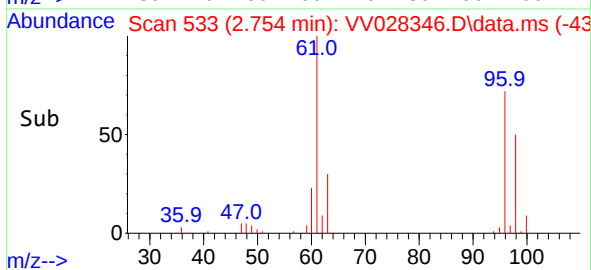
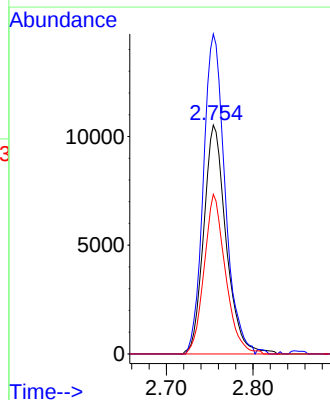
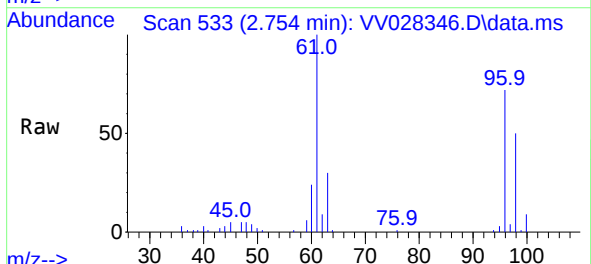
Instrument :
MSVOA_V
ClientSampleId :

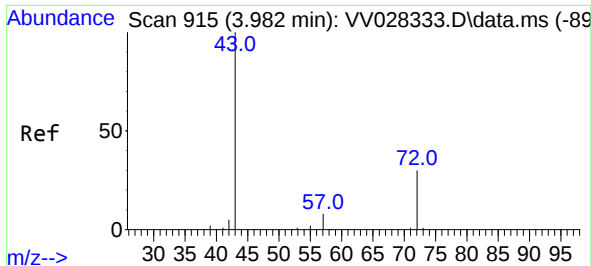
Tgt Ion: 43 Resp: 130658
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



#18
trans-1,2-Dichloroethene
Concen: 1.360 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.003 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

Tgt Ion: 96 Resp: 18925
Ion Ratio Lower Upper
96 100
61 139.8 96.2 178.6
98 69.7 45.7 84.9

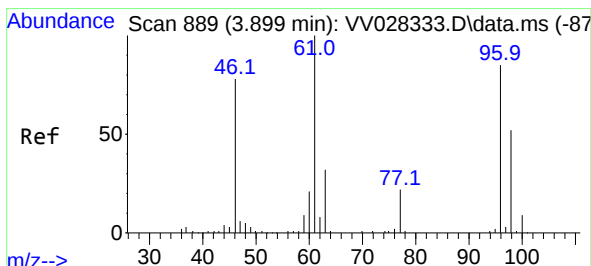
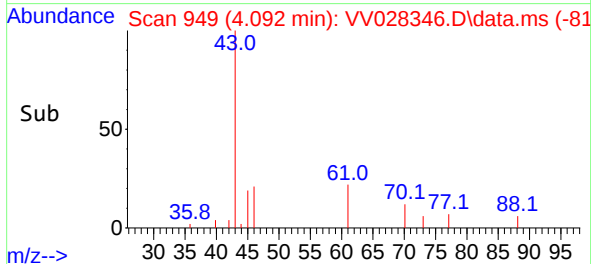
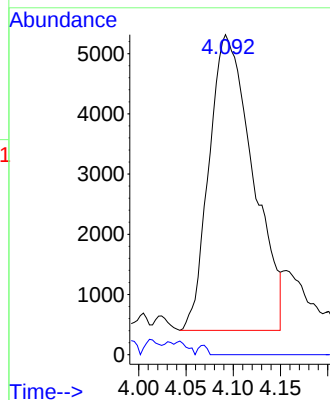
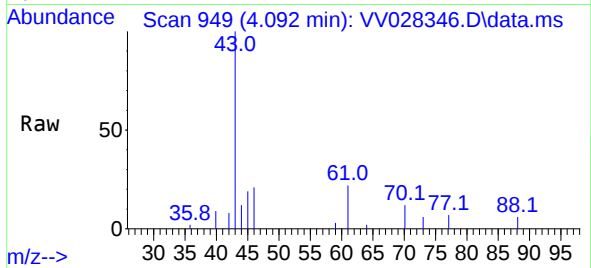




#21
2-Butanone
Concen: 6.703 ug/L
RT: 4.092 min Scan# 949
Delta R.T. 0.122 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

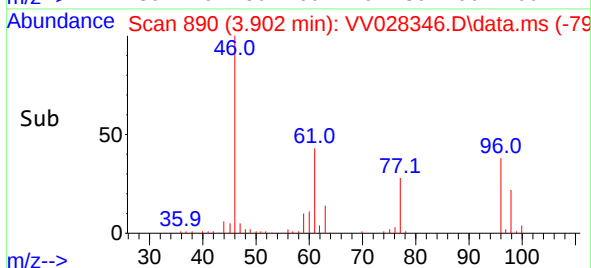
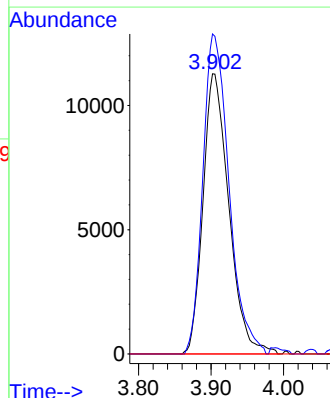
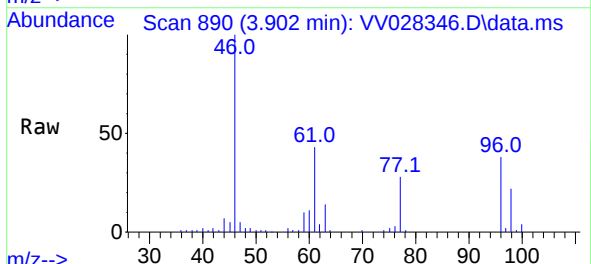
Instrument :
MSVOA_V
ClientSampleId :

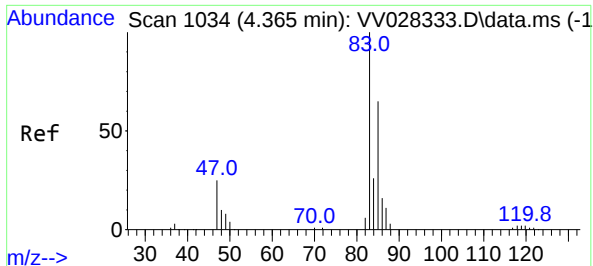
Tgt Ion: 43 Resp: 15827
Ion Ratio Lower Upper
43 100
72 0.6 12.7 38.1#



#22
cis-1,2-Dichloroethene
Concen: 1.996 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

Tgt Ion: 96 Resp: 27978
Ion Ratio Lower Upper
96 100
61 114.2 87.2 161.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.249 ug/L

RT: 4.371 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VV028346.D

Acq: 04 Oct 2022 23:46

Instrument :

MSVOA_V

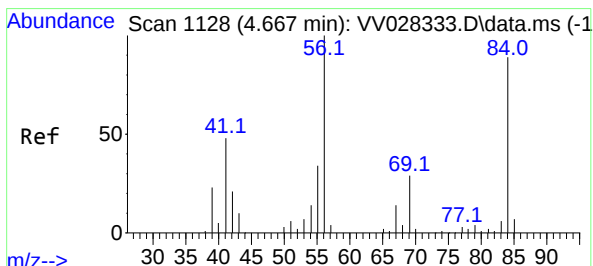
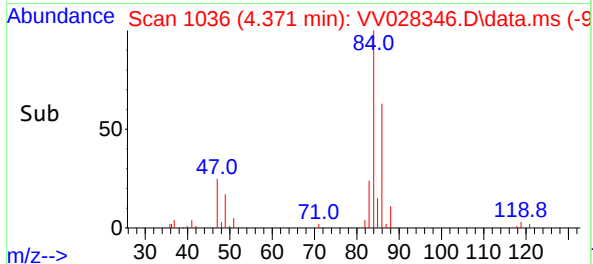
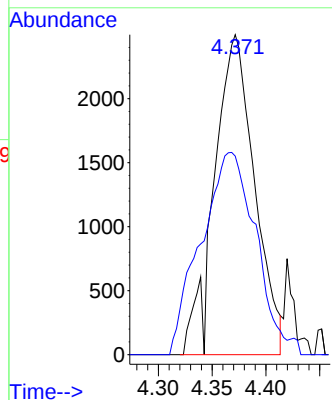
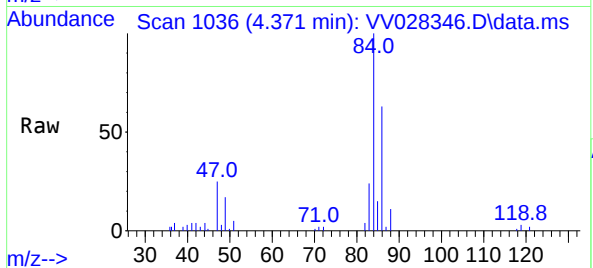
ClientSampleId :

Tgt Ion: 83 Resp: 6474

Ion Ratio Lower Upper

83 100

85 62.0 45.1 83.7



#30

Cyclohexane

Concen: 0.320 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VV028346.D

Acq: 04 Oct 2022 23:46

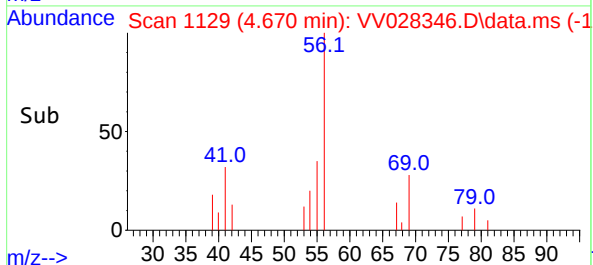
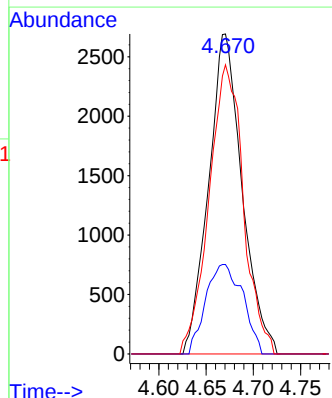
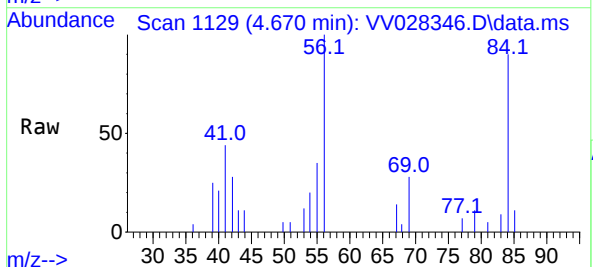
Tgt Ion: 56 Resp: 6631

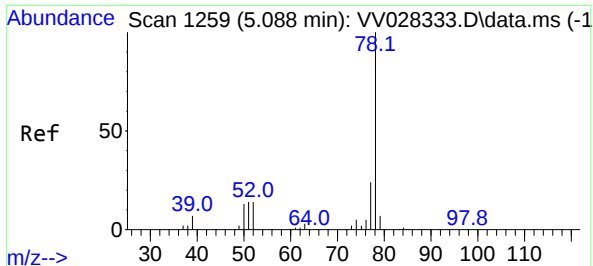
Ion Ratio Lower Upper

56 100

69 30.8 23.7 35.5

84 92.4 67.3 100.9

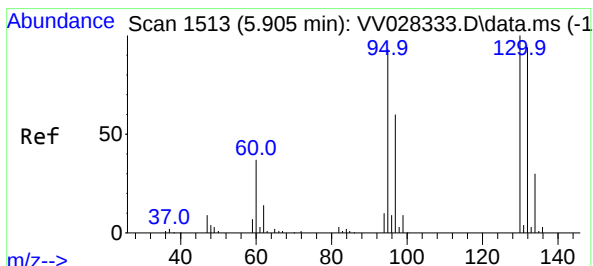
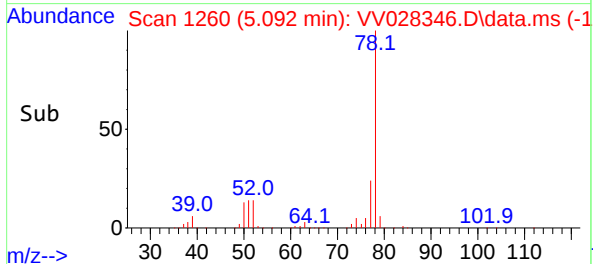
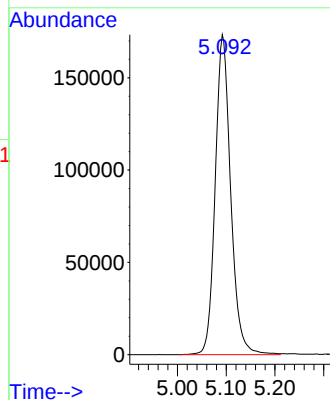
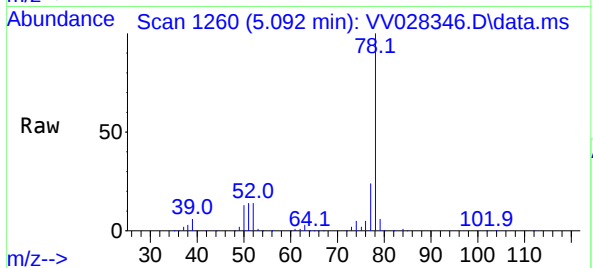




#33
Benzene
Concen: 6.583 ug/L
RT: 5.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

Instrument :
MSVOA_V
ClientSampleId :

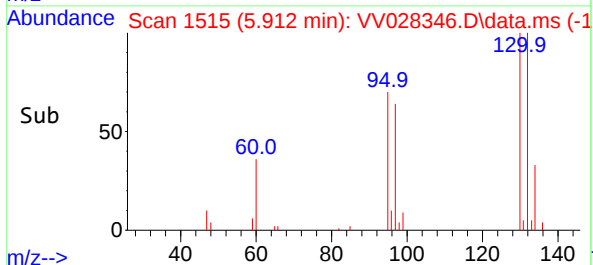
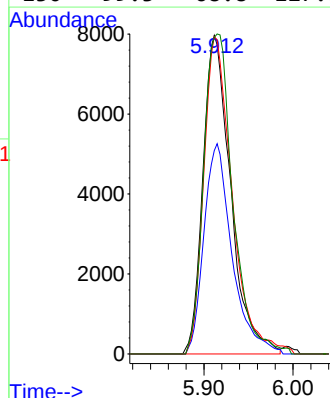
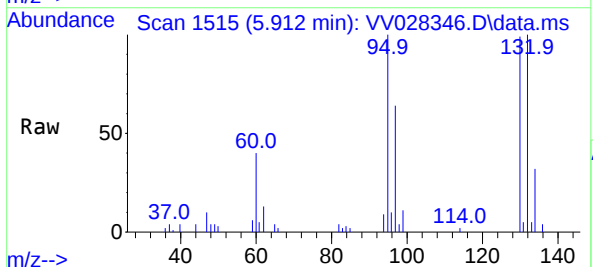
Tgt Ion: 78 Resp: 382691

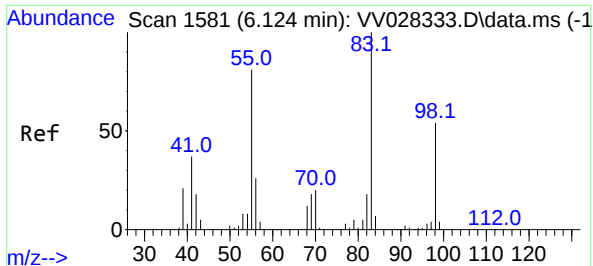


#34
Trichloroethene
Concen: 1.186 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

Tgt Ion: 95 Resp: 17270

Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.2	82.0
132	99.6	67.8	126.0
130	99.3	68.8	127.8





#35

Methylcyclohexane

Concen: 0.746 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV028346.D

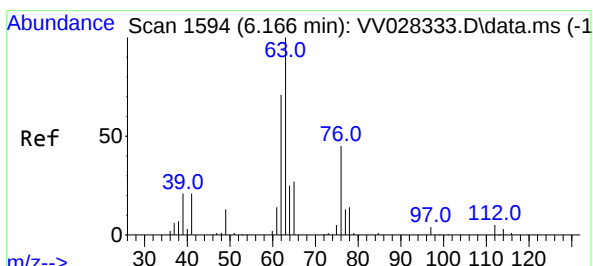
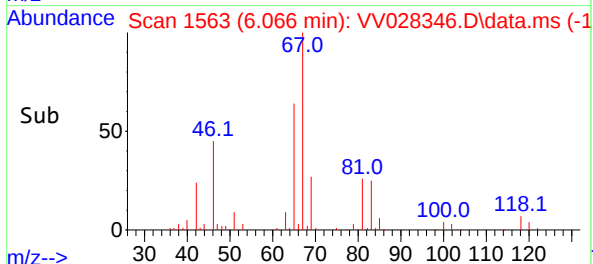
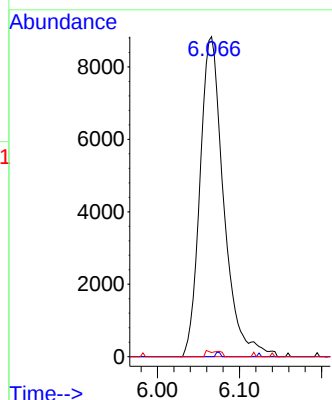
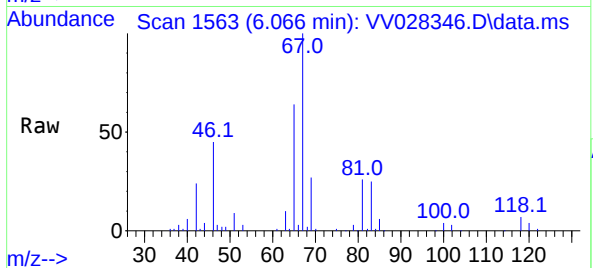
Acq: 04 Oct 2022 23:46

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 17733
Ion Ratio	Lower Upper
83 100	
55 0.3	64.7 97.1#
98 0.6	39.5 59.3#



#37

1,2-Dichloropropane

Concen: 0.558 ug/L

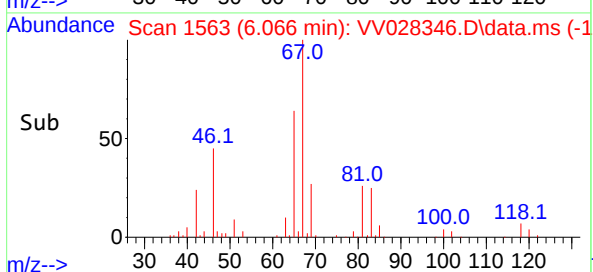
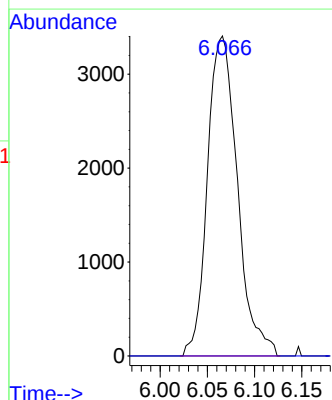
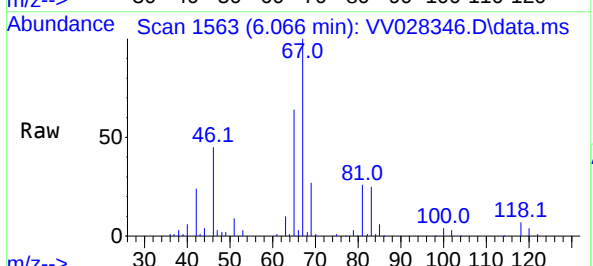
RT: 6.066 min Scan# 1563

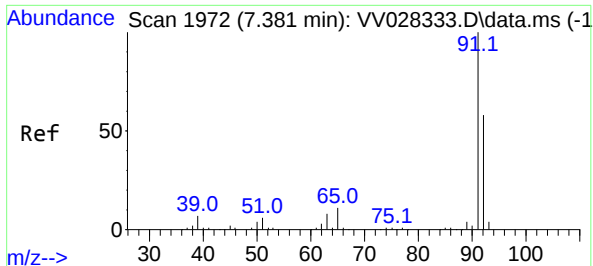
Delta R.T. -0.103 min

Lab File: VV028346.D

Acq: 04 Oct 2022 23:46

Tgt Ion: 63	Resp: 7508
Ion Ratio	Lower Upper
63 100	
112 0.0	3.5 5.3#





#42

Toluene

Concen: 0.308 ug/L

RT: 7.391 min Scan# 1972

Delta R.T. 0.007 min

Lab File: VV028346.D

Acq: 04 Oct 2022 23:46

Instrument :

MSVOA_V

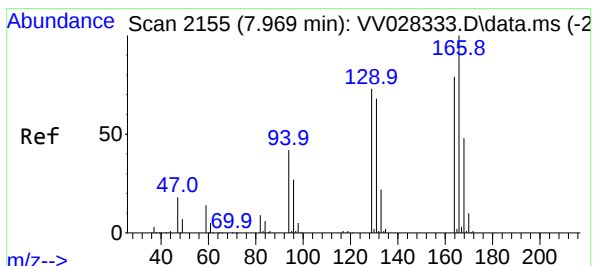
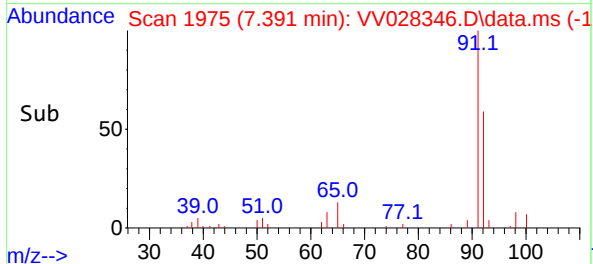
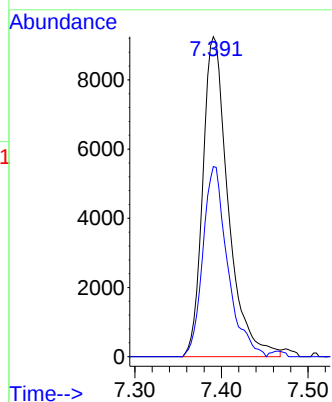
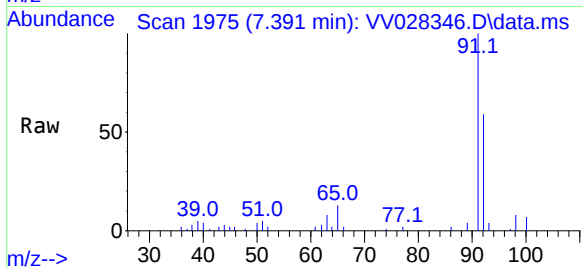
ClientSampleId :

Tgt Ion: 91 Resp: 18865

Ion Ratio Lower Upper

91 100

92 59.4 40.2 74.6



#47

Tetrachloroethene

Concen: 4.404 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.004 min

Lab File: VV028346.D

Acq: 04 Oct 2022 23:46

Tgt Ion: 164 Resp: 56029

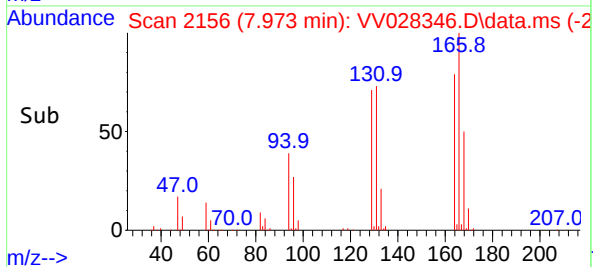
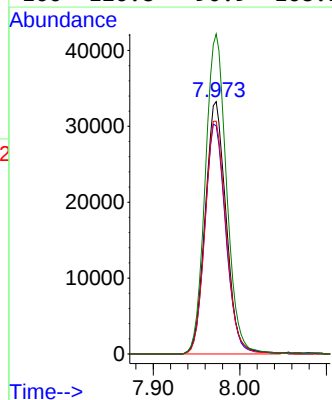
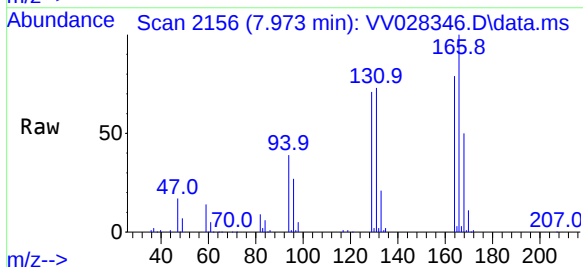
Ion Ratio Lower Upper

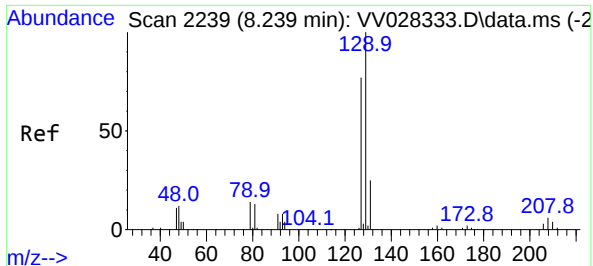
164 100

129 90.5 66.7 123.9

131 92.2 61.7 114.5

166 126.8 90.9 168.9





#49

Dibromochloromethane

Concen: 3.893 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.273 min

Lab File: VV028346.D

Acq: 04 Oct 2022 23:46

Instrument :

MSVOA_V

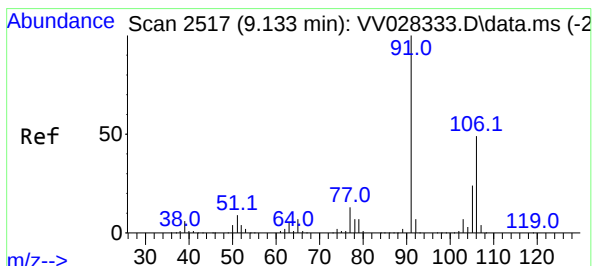
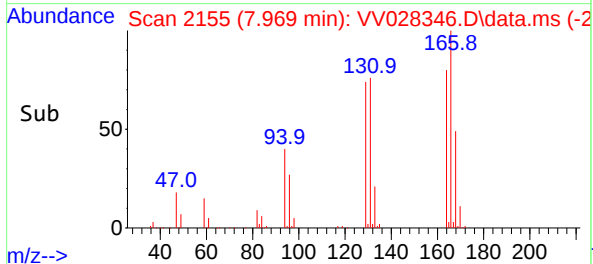
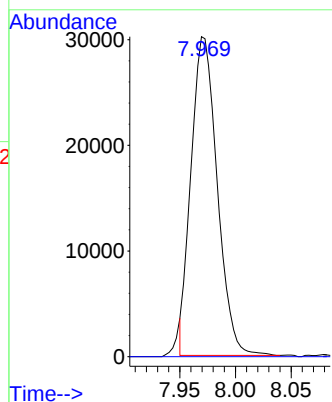
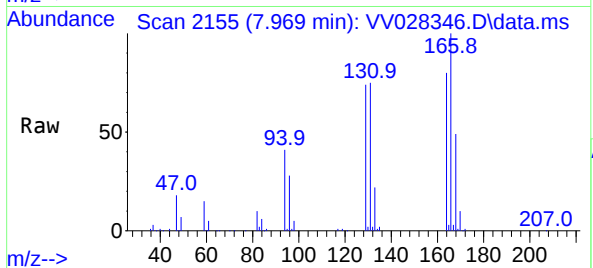
ClientSampleId :

Tgt Ion:129 Resp: 49199

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



#53

m,p-Xylene

Concen: 0.054 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.007 min

Lab File: VV028346.D

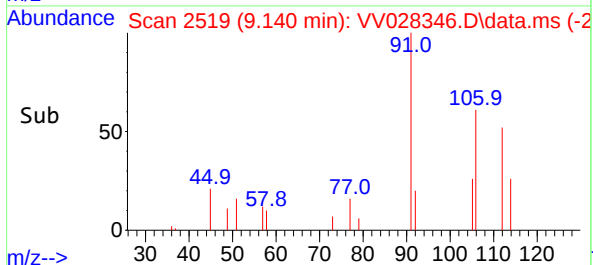
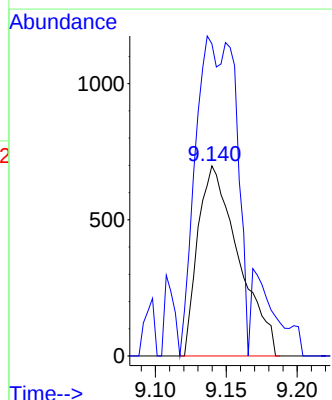
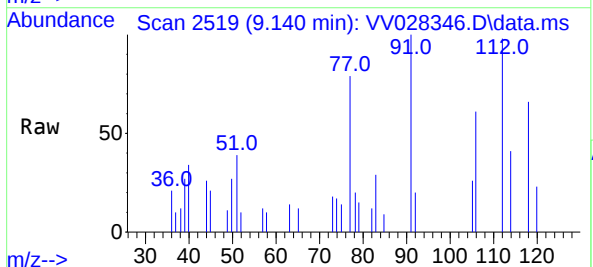
Acq: 04 Oct 2022 23:46

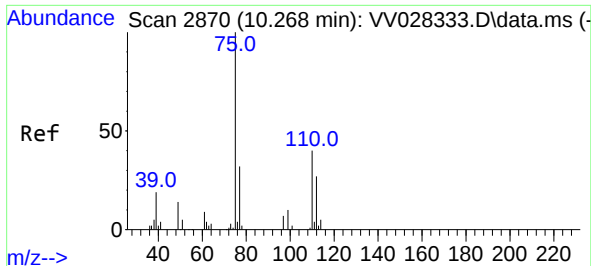
Tgt Ion:106 Resp: 1395

Ion Ratio Lower Upper

106 100

91 164.2 141.9 263.5

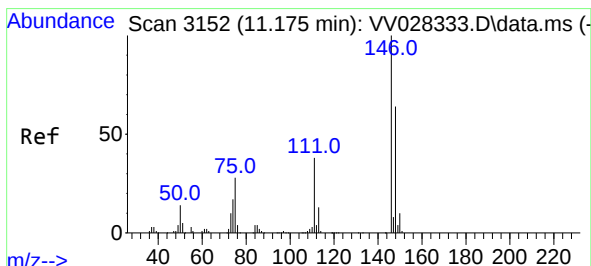
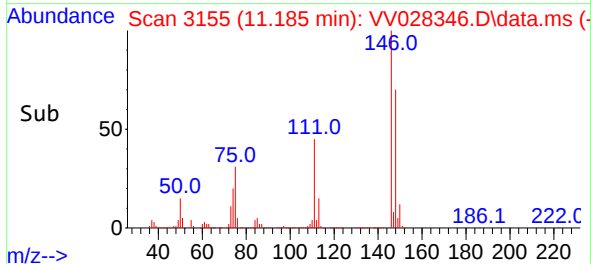
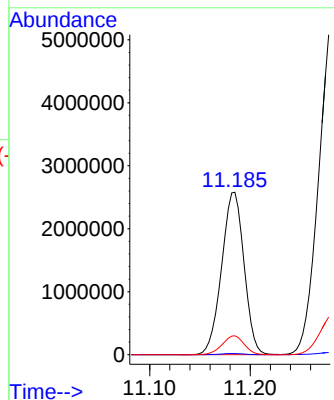
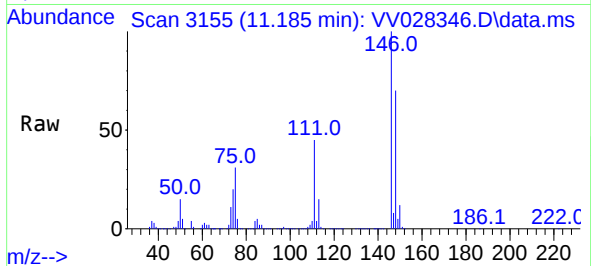




#61
1,2,3-Trichloropropane
Concen: 404.692 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.914 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

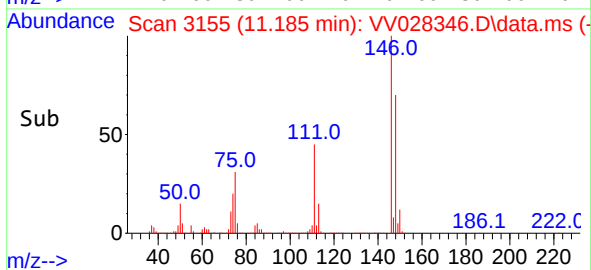
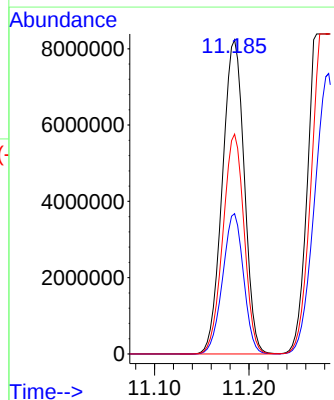
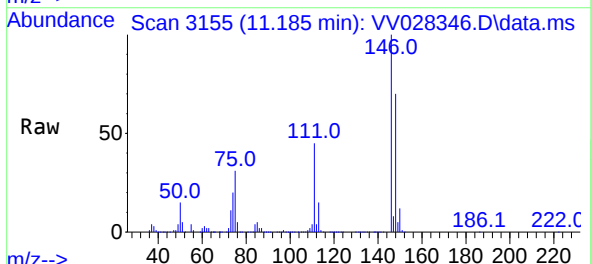
Instrument :
MSVOA_V
ClientSampleId :

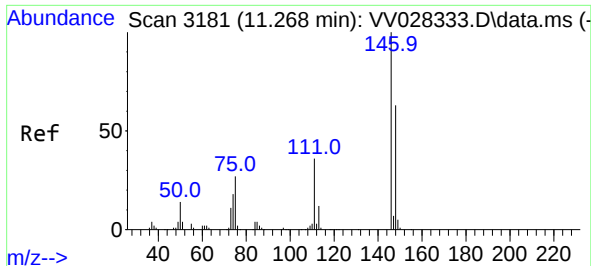
Tgt Ion: 75 Resp: 3996243
Ion Ratio Lower Upper
75 100
77 0.0 26.7 40.1#
110 11.4 30.1 45.1#



#64
1,3-Dichlorobenzene
Concen: 344.268 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.007 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

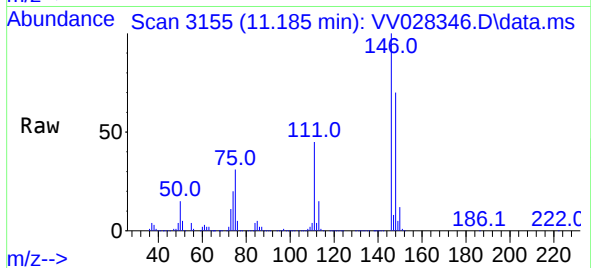
Tgt Ion:146 Resp:13244023
Ion Ratio Lower Upper
146 100
111 44.7 27.1 50.3
148 70.0 45.7 84.9



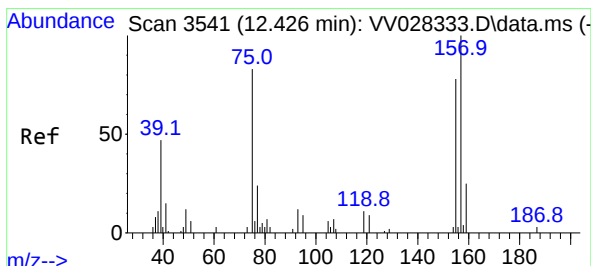
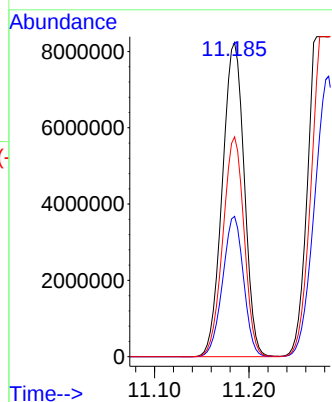
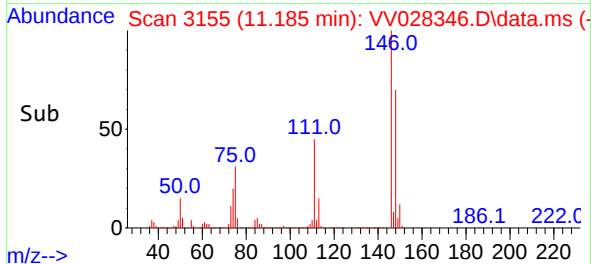


#65
1,4-Dichlorobenzene
Concen: 343.819 ug/L
RT: 11.185 min Scan# 3181
Delta R.T. -0.083 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

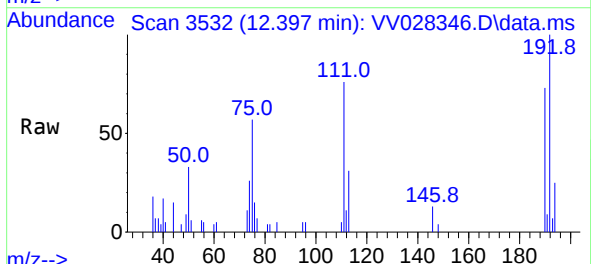
Instrument :
MSVOA_V
ClientSampleId :



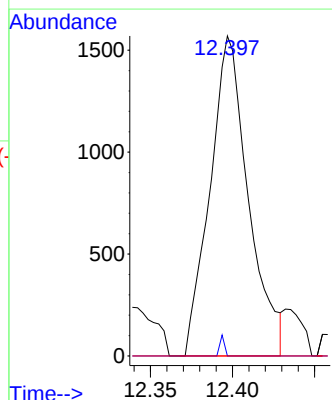
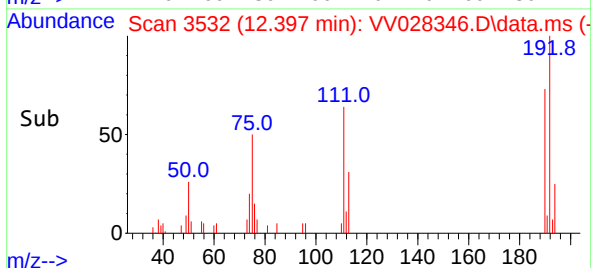
Tgt Ion:146 Resp:13244023
Ion Ratio Lower Upper
146 100
111 44.7 26.2 48.8
148 70.0 45.8 85.2

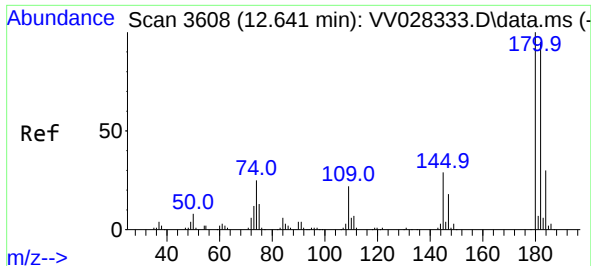


#68
1,2-Dibromo-3-chloropropane
Concen: 1.133 ug/L
RT: 12.397 min Scan# 3532
Delta R.T. -0.029 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46



Tgt Ion: 75 Resp: 2548
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: 0.254 ug/L

RT: 12.644 min Scan# 3608

Delta R.T. 0.003 min

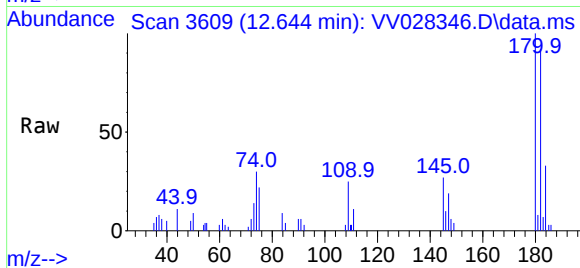
Lab File: VV028346.D

Acq: 04 Oct 2022 23:46

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 7737

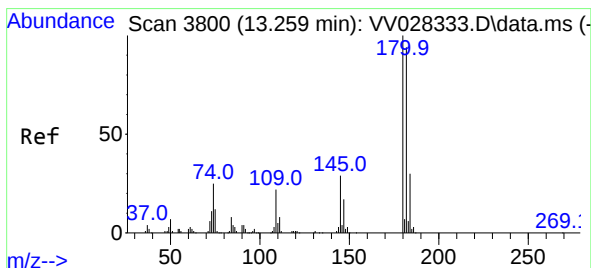
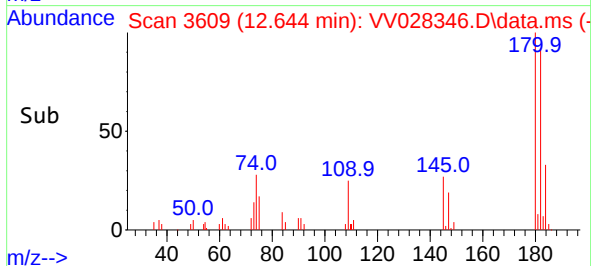
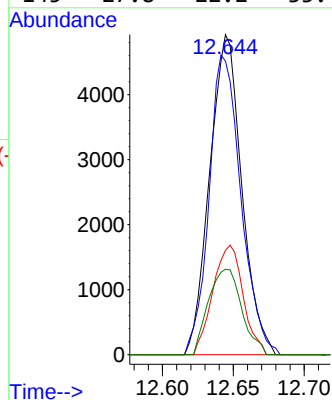
Ion Ratio Lower Upper

180 100

182 93.3 75.5 113.3

184 32.3 23.7 35.5

145 27.8 22.2 33.4



#70

1,2,4-trichlorobenzene

Concen: 49.672 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV028346.D

Acq: 04 Oct 2022 23:46

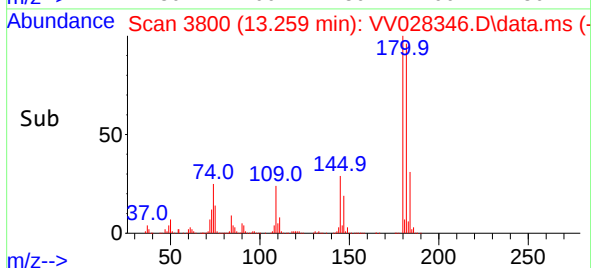
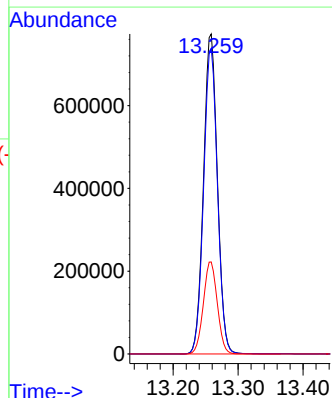
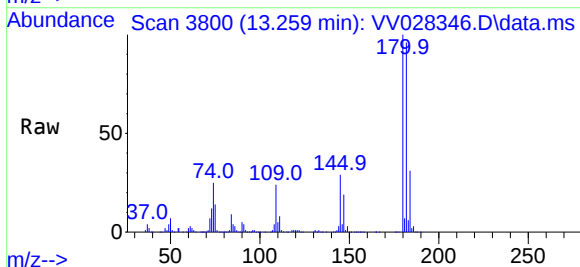
Tgt Ion:180 Resp: 1151833

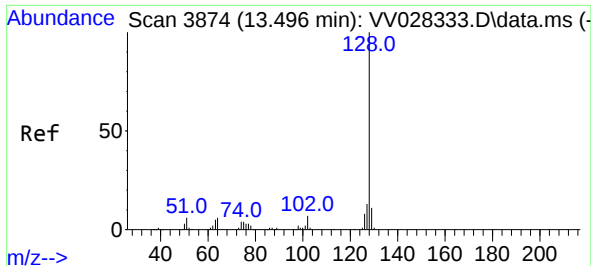
Ion Ratio Lower Upper

180 100

182 95.1 76.3 114.5

145 28.9 22.9 34.3

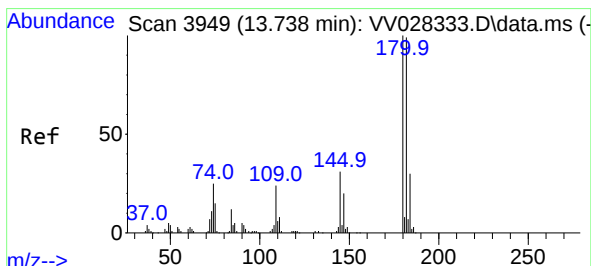
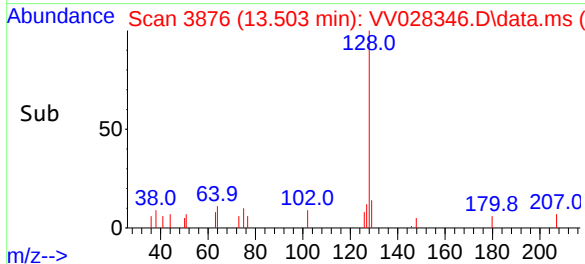
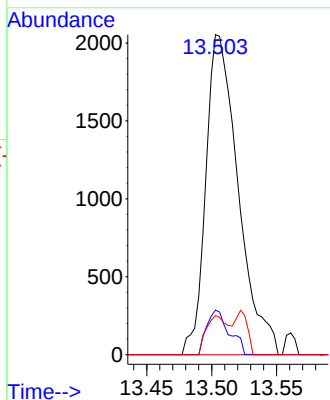
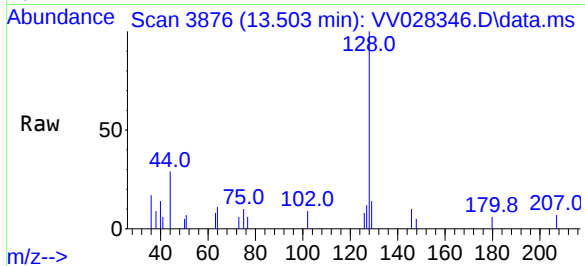




#71
Naphthalene
Concen: 0.099 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.003 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 3568
Ion Ratio Lower Upper
128 100
129 9.6 8.2 12.2
127 8.6 10.4 15.6#



#72
1,2,3-Trichlorobenzene
Concen: 10.846 ug/L
RT: 13.738 min Scan# 3949
Delta R.T. -0.003 min
Lab File: VV028346.D
Acq: 04 Oct 2022 23:46

Tgt Ion:180 Resp: 226728
Ion Ratio Lower Upper
180 100
182 96.1 77.4 116.0
145 31.2 24.6 36.8

