

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100422\
 Data File : VW028342.D
 Acq On : 04 Oct 2022 22:08
 Operator : SY/MD
 Sample : N4872-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 04 23:35:25 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	201956	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	208780	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	123412	5.000	ug/L	# 0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.301	65	57362	3.780	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.600%
7) Chloroethane-d5	1.561	69	55090	4.289	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.800%
11) 1,1-Dichloroethene-d2	2.101	63	85673	2.995	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.000%
20) 2-Butanone-d5	3.902	46	133800	52.113	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.220%
24) Chloroform-d	4.342	84	165553	6.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.400%
26) 1,2-Dichloroethane-d4	5.027	65	59928	4.702	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.043	84	248006	4.330	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
36) 1,2-Dichloropropane-d6	6.066	67	77744	4.732	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.313	98	199195	3.782	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.600%
43) trans-1,3-Dichloroprop...	7.622	79	24871	3.975	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.400%
46) 2-Hexanone-d5	8.088	63	122755	47.929	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.860%
56) 1,1,2,2-Tetrachloroeth...	10.213	84	58308	4.682	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	92659	4.363	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.200%

Target Compounds

						Qvalue
3) Chloromethane	1.236	50	883	0.057	ug/L	96
5) Vinyl chloride	1.304	62	797	0.046	ug/L	# 1
8) Chloroethane	1.407	64	217942	18.864	ug/L	# 50
14) Carbon disulfide	2.285	76	4563	0.101	ug/L	# 86
19) 1,1-Dichloroethane	3.185	63	1385	0.054	ug/L	# 84
21) 2-Butanone	4.098	43	22346	8.731	ug/L	# 50
22) cis-1,2-Dichloroethene	3.911	96	6928	0.456	ug/L	73
25) Chloroform	4.365	83	895278	31.767	ug/L	98
29) 1,1,1-Trichloroethane	4.606	97	2153	0.084	ug/L	94
31) Carbon tetrachloride	4.818	117	1579247	68.359	ug/L	100
33) Benzene	5.108	78	2925	0.047	ug/L	100
34) Trichloroethene	5.918	95	8246	0.530	ug/L	95
35) Methylcyclohexane	6.062	83	19952	0.785	ug/L	# 17
37) 1,2-Dichloropropane	6.062	63	8402	0.584	ug/L	# 90
39) cis-1,3-Dichloropropene	6.982	75	1501	0.073	ug/L	# 61
47) Tetrachloroethene	7.972	164	8255	0.607	ug/L	94
49) Dibromochloromethane	7.972	129	6948	0.514	ug/L	# 11
51) Chlorobenzene	8.876	112	214060	4.922	ug/L	98
61) 1,2,3-Trichloropropane	11.175	75	340380	35.745	ug/L	# 49

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100422\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

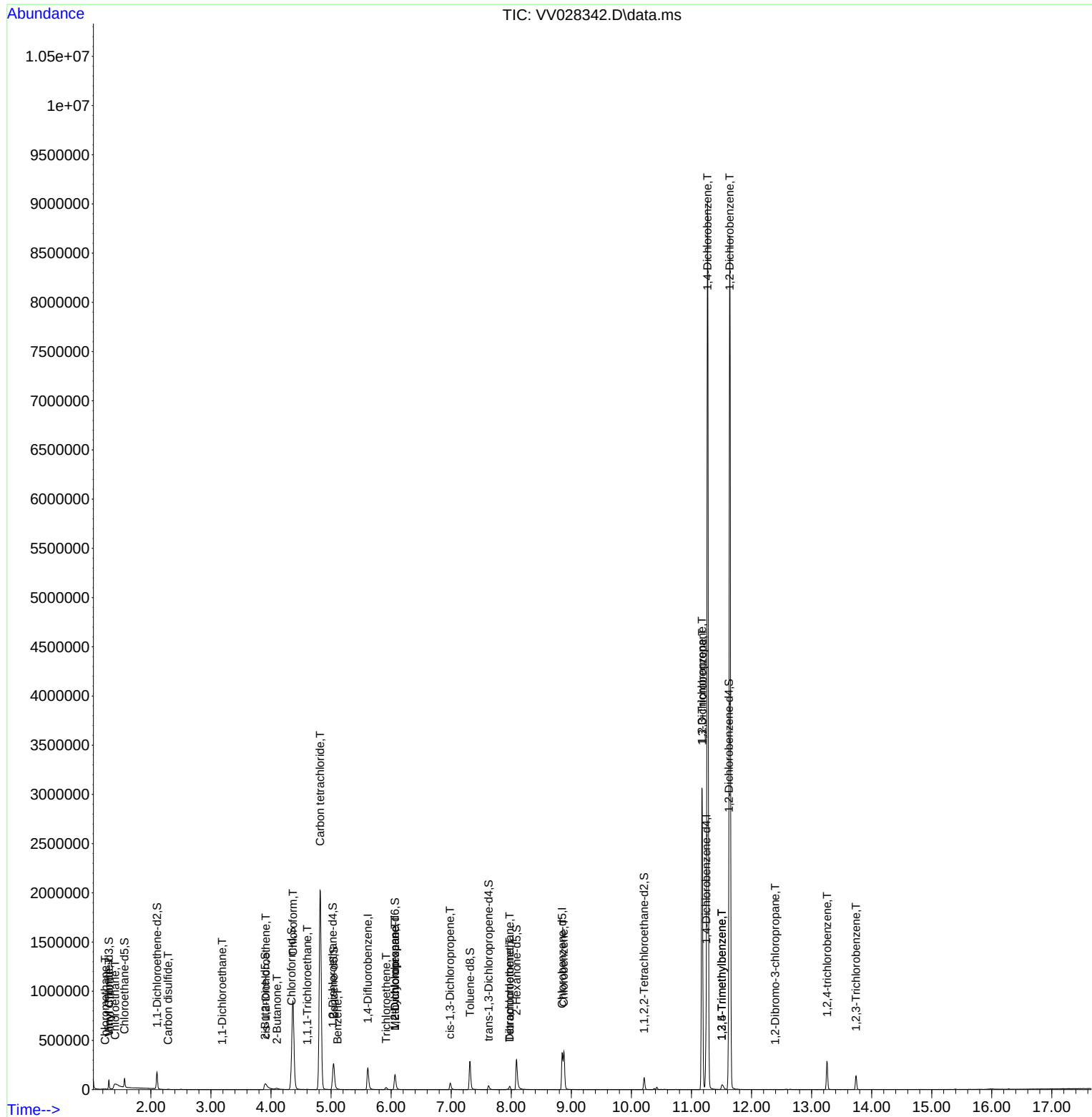
62) 1,3,5-Trimethylbenzene	11.506	105	9248	0.431	ug/L #	1
63) 1,2,4-Trimethylbenzene	11.506	105	9248	0.152	ug/L #	1
64) 1,3-Dichlorobenzene	11.178	146	1263178	34.050	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	3604266	97.030	ug/L	99
67) 1,2-Dichlorobenzene	11.638	146	3502707	104.105	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.393	75	284	0.131	ug/L #	1
70) 1,2,4-trichlorobenzene	13.258	180	93097	4.163	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	44109	2.188	ug/L	98

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

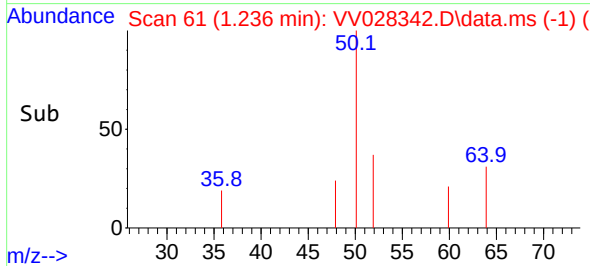
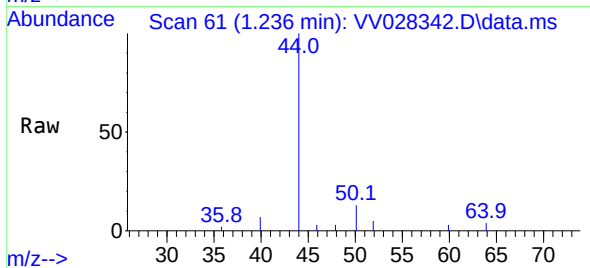
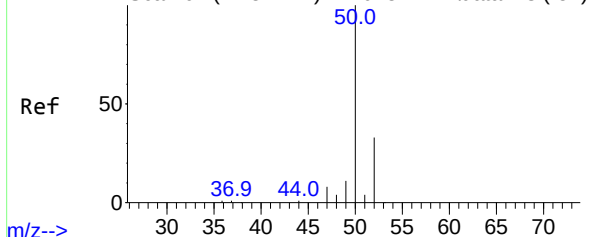
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100422\
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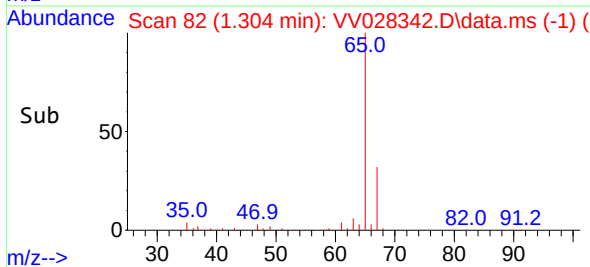
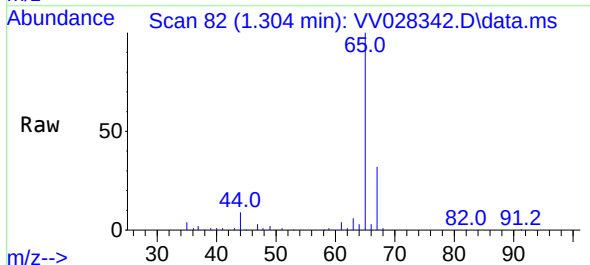
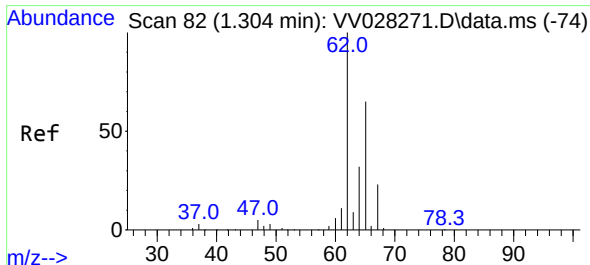
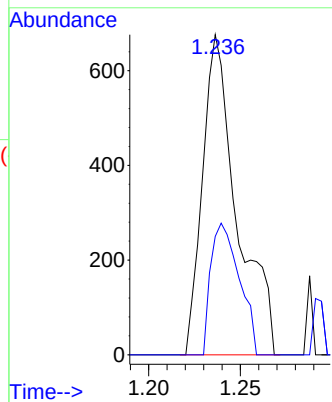
Abundance Scan 61 (1.237 min): VV028271.D\data.ms (-52)



#3
Chloromethane
Concen: 0.057 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

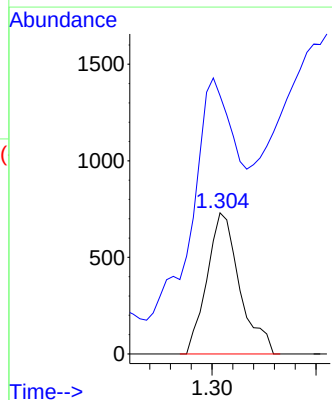
Instrument :
MSVOA_V
ClientSampleId :

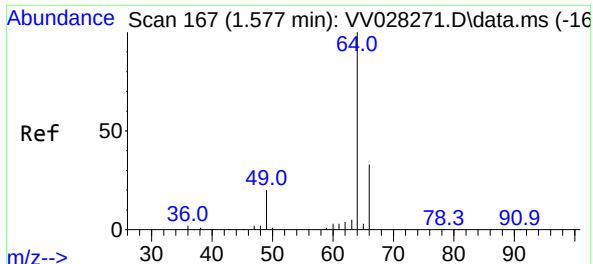
Tgt Ion: 50 Resp: 883
Ion Ratio Lower Upper
50 100
52 37.0 24.4 45.2



#5
Vinyl chloride
Concen: 0.046 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.000 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

Tgt Ion: 62 Resp: 797
Ion Ratio Lower Upper
62 100
64 182.9 23.0 42.8#

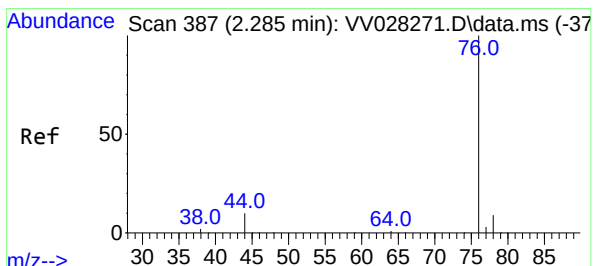
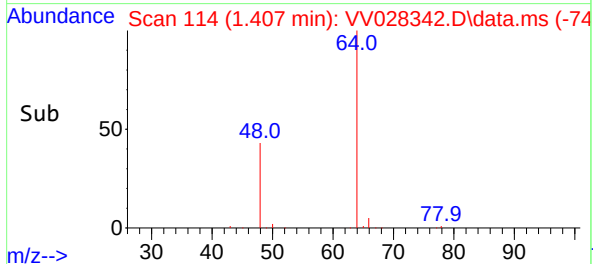
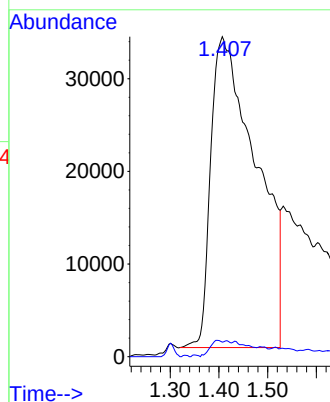
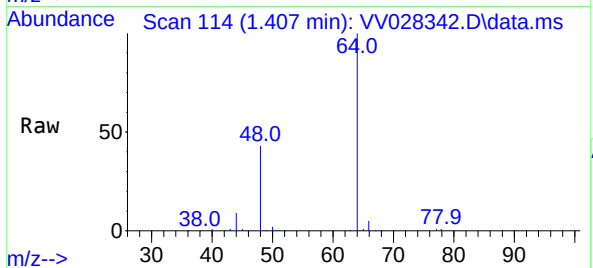




#8
Chloroethane
Concen: 18.864 ug/L
RT: 1.407 min Scan# 114
Delta R.T. -0.170 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

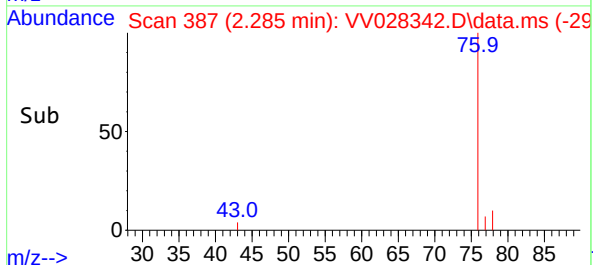
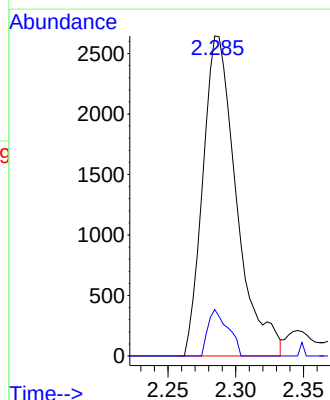
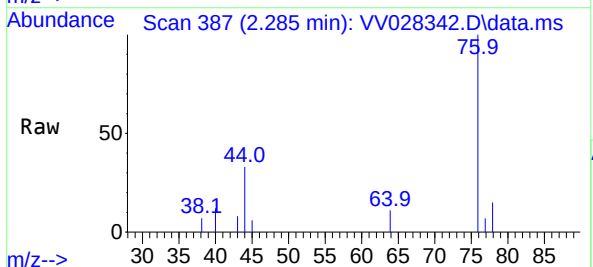
Instrument :
MSVOA_V
ClientSampleId :

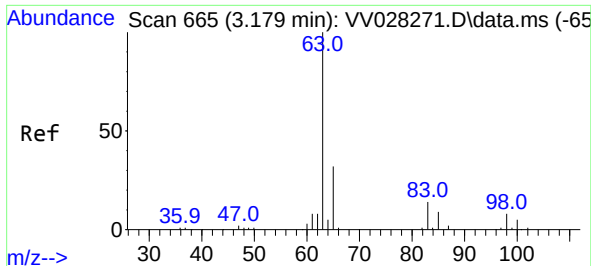
Tgt Ion: 64 Resp: 217942
Ion Ratio Lower Upper
64 100
66 4.6 23.0 42.8#



#14
Carbon disulfide
Concen: 0.101 ug/L
RT: 2.285 min Scan# 387
Delta R.T. -0.000 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

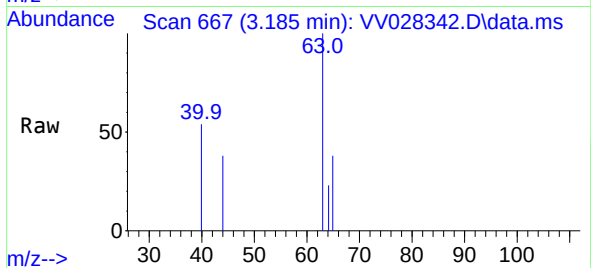
Tgt Ion: 76 Resp: 4563
Ion Ratio Lower Upper
76 100
78 14.5 7.6 11.4#



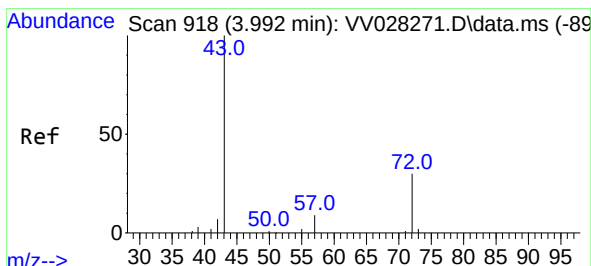
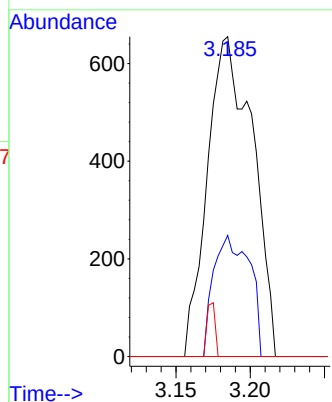
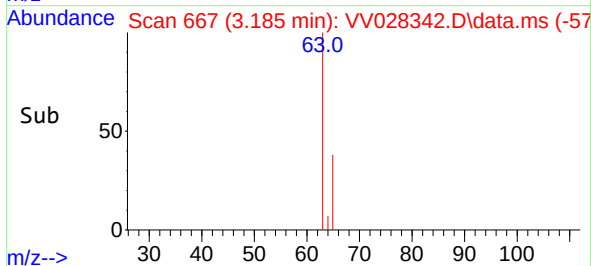


#19
1,1-Dichloroethane
Concen: 0.054 ug/L
RT: 3.185 min Scan# 60
Delta R.T. 0.003 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

Instrument :
MSVOA_V
ClientSampleId :

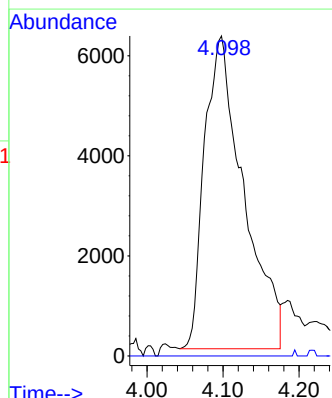
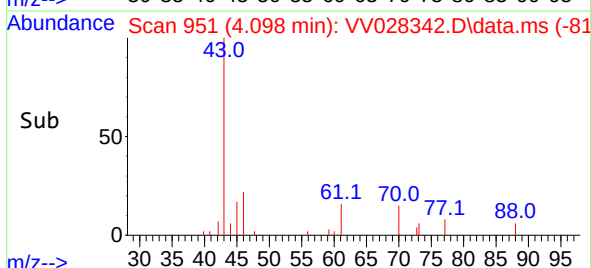
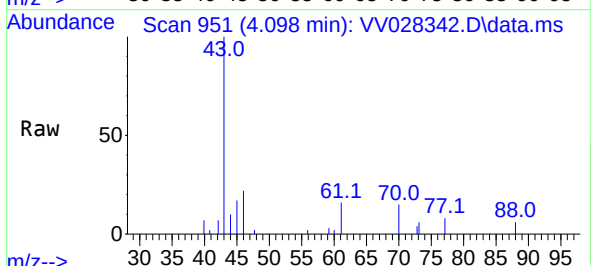


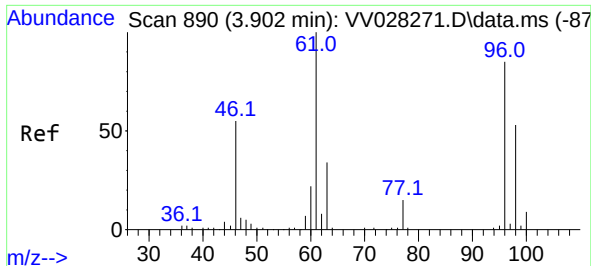
Tgt Ion: 63 Resp: 1385
Ion Ratio Lower Upper
63 100
65 37.9 23.0 42.8
83 0.0 9.2 17.2#



#21
2-Butanone
Concen: 8.731 ug/L
RT: 4.098 min Scan# 951
Delta R.T. 0.129 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

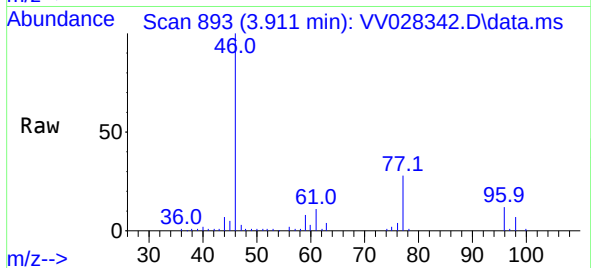
Tgt Ion: 43 Resp: 22346
Ion Ratio Lower Upper
43 100
72 0.1 12.7 38.1#



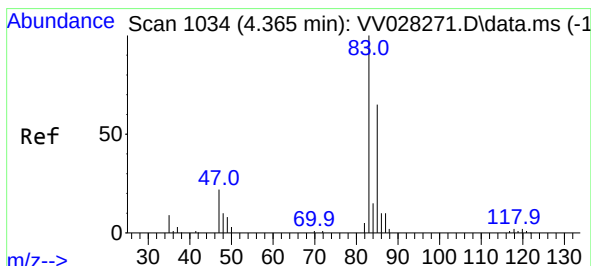
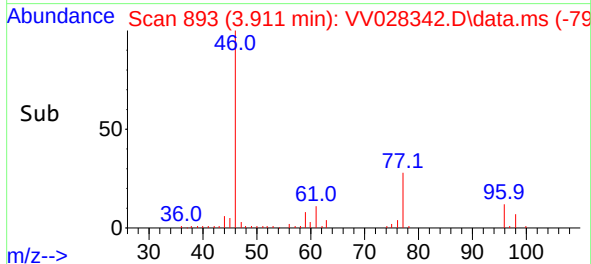
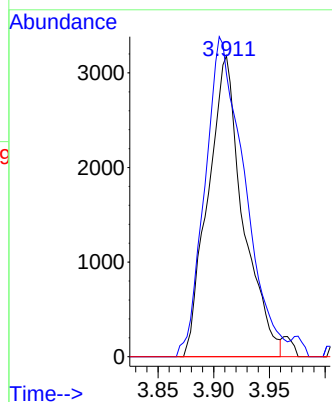


#22
cis-1,2-Dichloroethene
Concen: 0.456 ug/L
RT: 3.911 min Scan# 891
Delta R.T. 0.006 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

Instrument :
MSVOA_V
ClientSampleId :

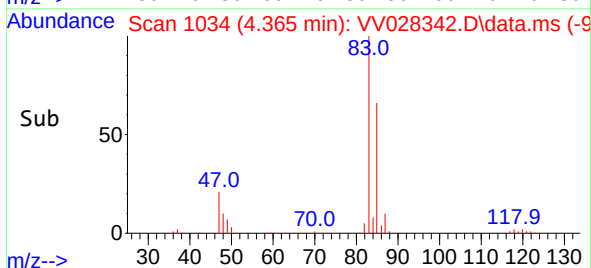
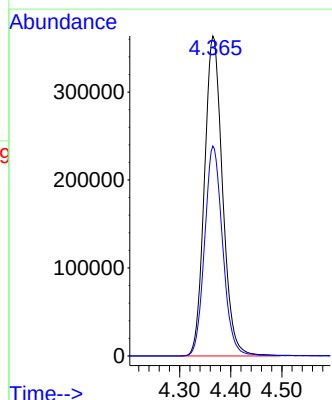
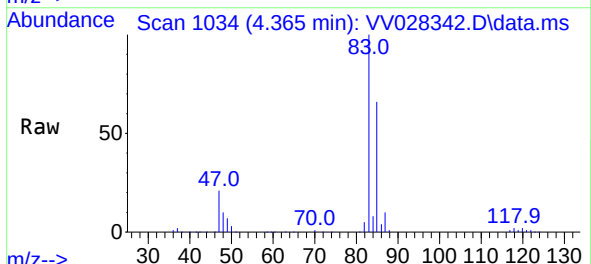


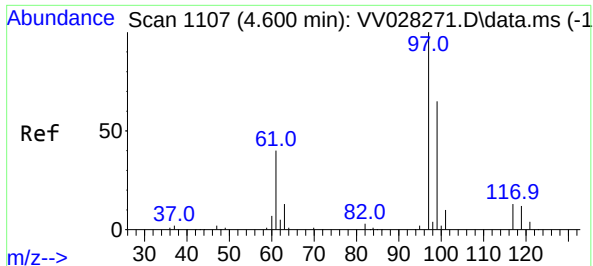
Tgt Ion: 96 Resp: 6928
Ion Ratio Lower Upper
96 100
61 94.1 87.2 161.9
68 0.0 0.0 0.0



#25
Chloroform
Concen: 31.767 ug/L
RT: 4.365 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

Tgt Ion: 83 Resp: 895278
Ion Ratio Lower Upper
83 100
85 65.6 45.1 83.7

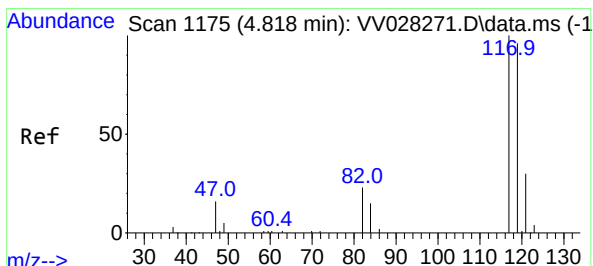
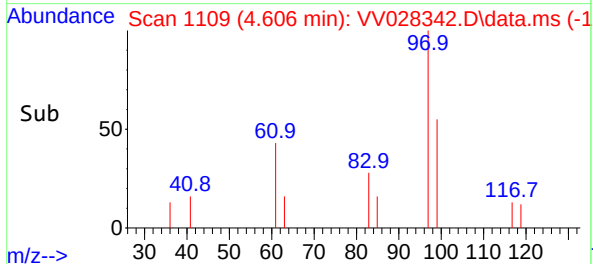
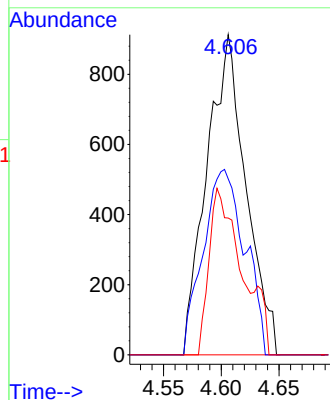
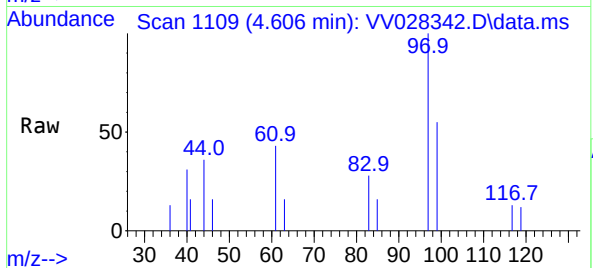




#29
1,1,1-Trichloroethane
Concen: 0.084 ug/L
RT: 4.606 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

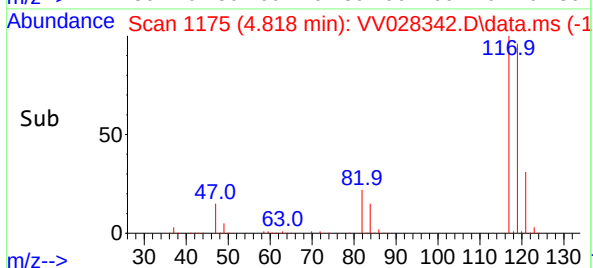
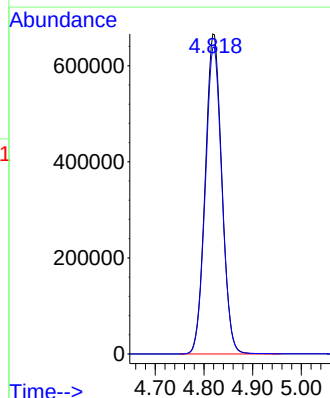
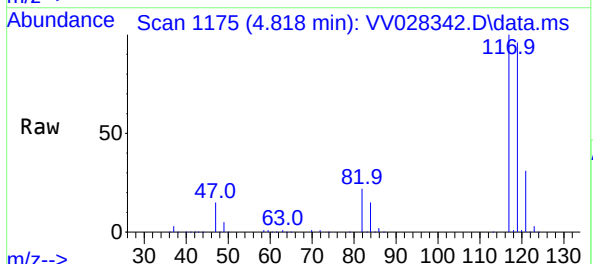
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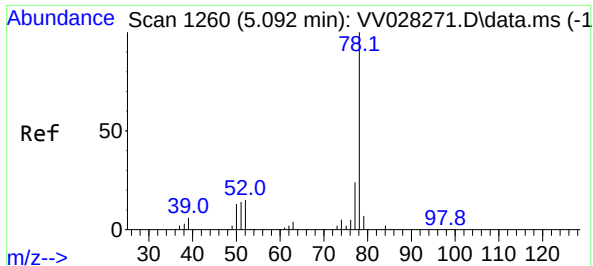
Tgt Ion: 97 Resp: 2153
Ion Ratio Lower Upper
97 100
99 61.7 51.9 77.9
61 37.7 34.8 52.2



#31
Carbon tetrachloride
Concen: 68.359 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. -0.000 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

Tgt Ion: 117 Resp: 1579247
Ion Ratio Lower Upper
117 100
119 95.8 76.9 115.3

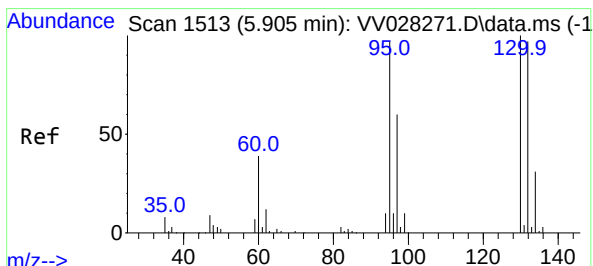
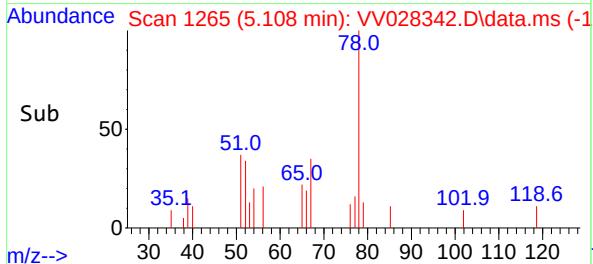
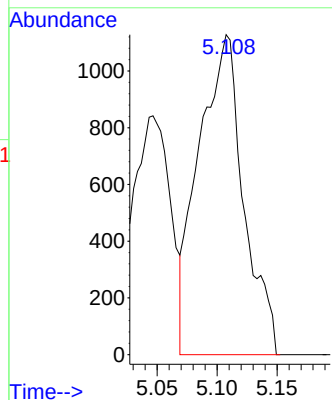
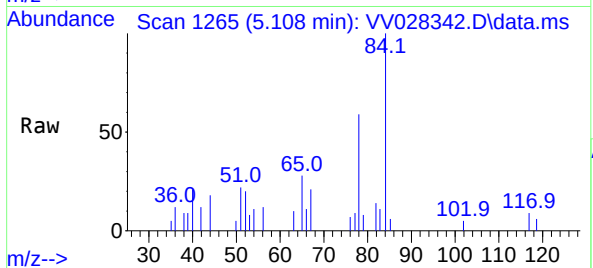




#33
Benzene
Concen: 0.047 ug/L
RT: 5.108 min Scan# 1517
Delta R.T. 0.016 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

Instrument :
MSVOA_V
ClientSampleId :

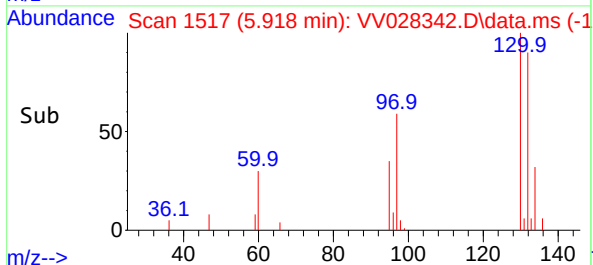
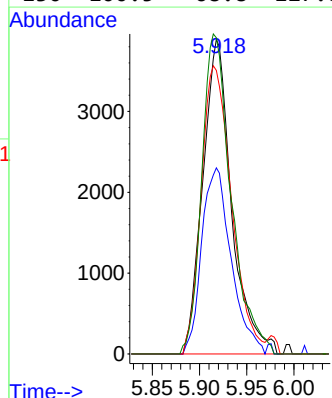
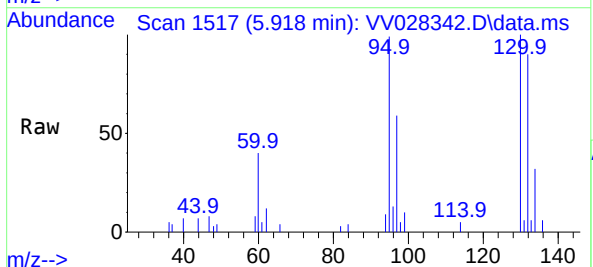
Tgt Ion: 78 Resp: 2925

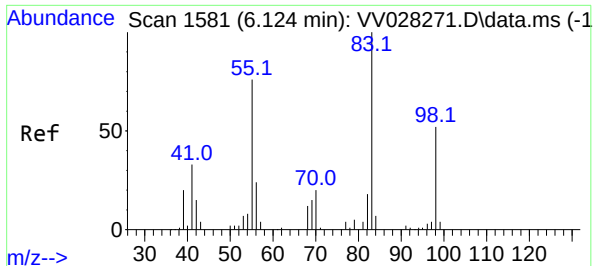


#34
Trichloroethene
Concen: 0.530 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.010 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

Tgt Ion: 95 Resp: 8246

Ion	Ratio	Lower	Upper
95	100		
97	59.2	44.2	82.0
132	90.1	67.8	126.0
130	100.5	68.8	127.8





#35

Methylcyclohexane

Concen: 0.785 ug/L

RT: 6.062 min Scan# 1562

Delta R.T. -0.061 min

Lab File: VV028342.D

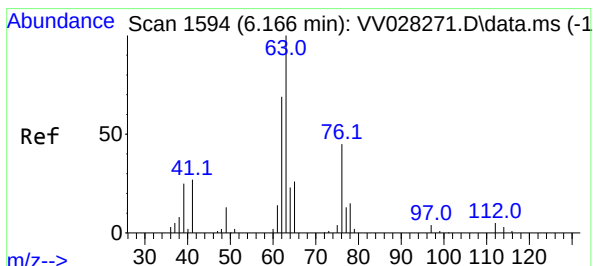
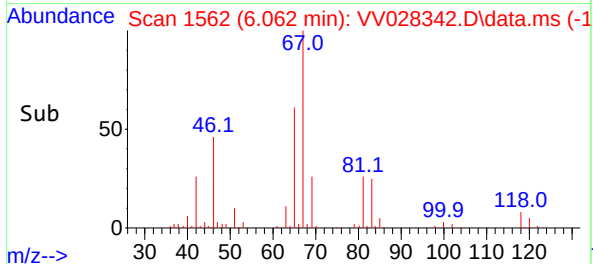
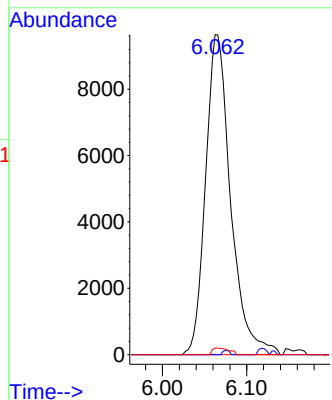
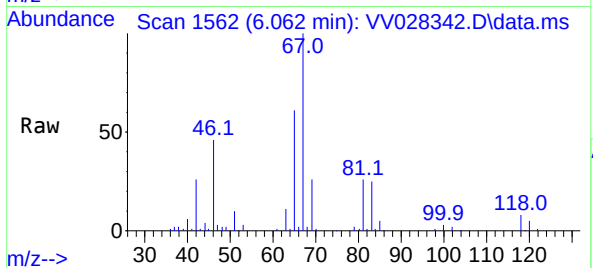
Acq: 04 Oct 2022 22:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	19952
Ion	Ratio	Lower	Upper
83	100		
55	0.3	64.7	97.1#
98	1.4	39.5	59.3#



#37

1,2-Dichloropropane

Concen: 0.584 ug/L

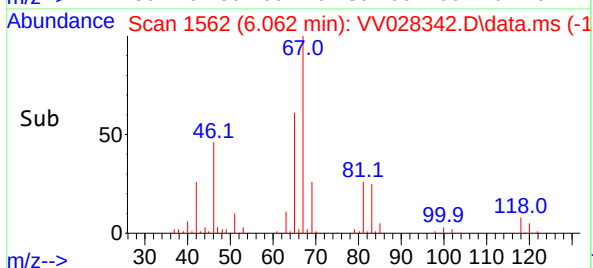
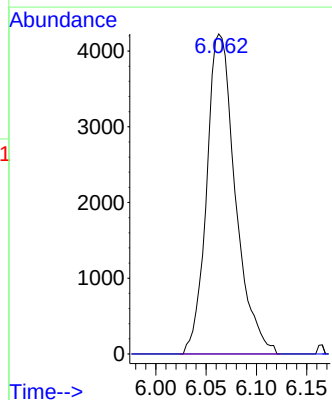
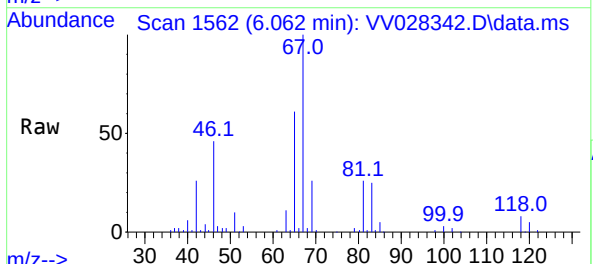
RT: 6.062 min Scan# 1562

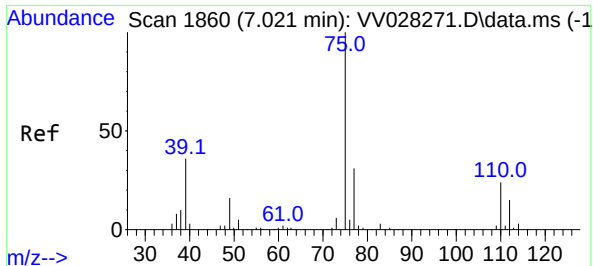
Delta R.T. -0.107 min

Lab File: VV028342.D

Acq: 04 Oct 2022 22:08

Tgt Ion:	63	Resp:	8402
Ion	Ratio	Lower	Upper
63	100		
112	1.0	3.5	5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV028342.D

Acq: 04 Oct 2022 22:08

Instrument :

MSVOA_V

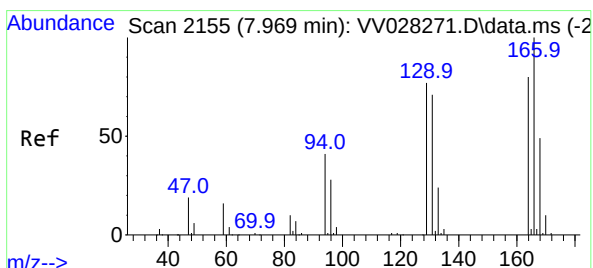
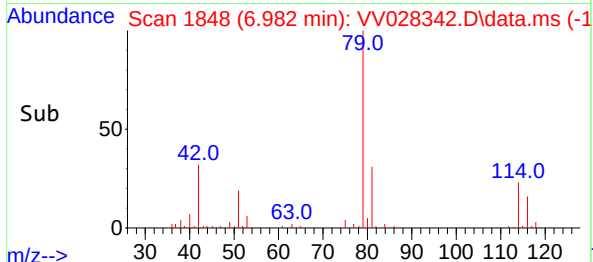
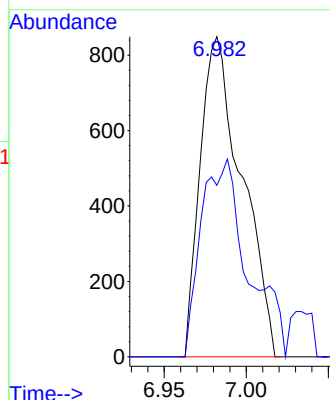
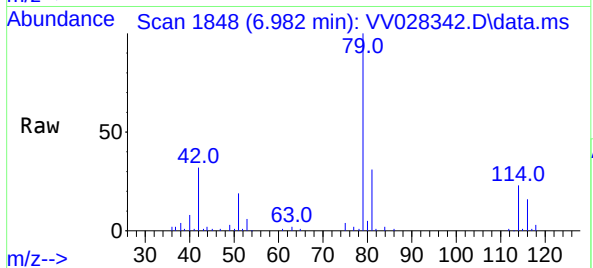
ClientSampleId :

Tgt Ion: 75 Resp: 1501

Ion Ratio Lower Upper

75 100

77 53.6 22.4 41.6#



#47

Tetrachloroethene

Concen: 0.607 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV028342.D

Acq: 04 Oct 2022 22:08

Tgt Ion:164 Resp: 8255

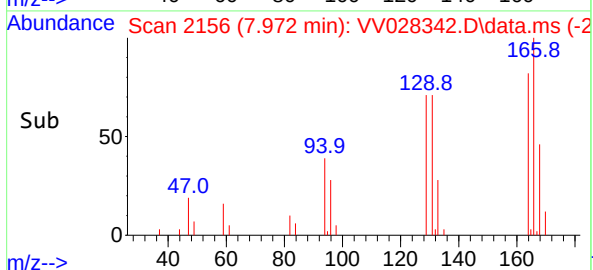
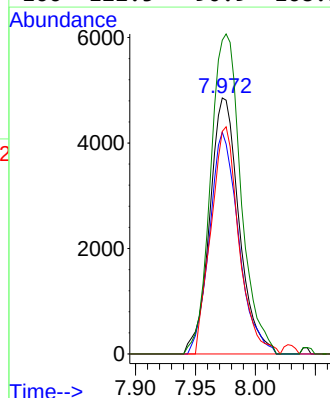
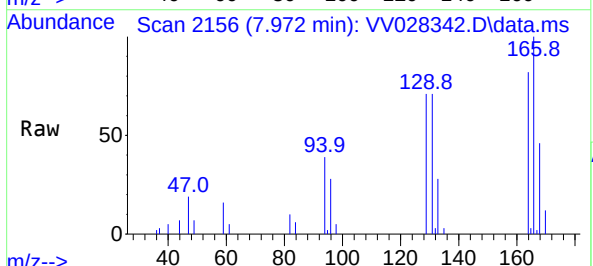
Ion Ratio Lower Upper

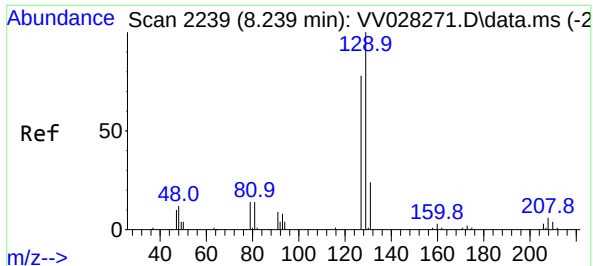
164 100

129 86.6 66.7 123.9

131 86.9 61.7 114.5

166 122.5 90.9 168.9





#49

Dibromochloromethane

Concen: 0.514 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV028342.D

Acq: 04 Oct 2022 22:08

Instrument :

MSVOA_V

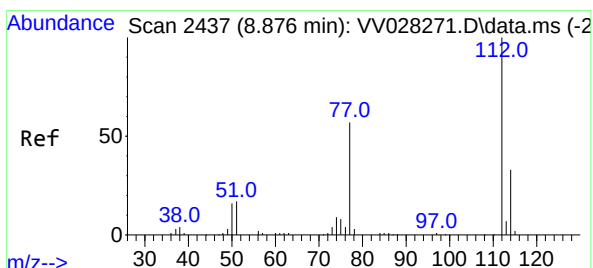
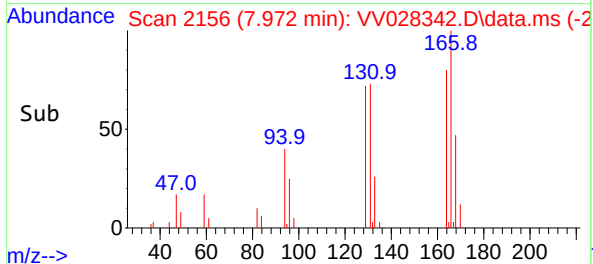
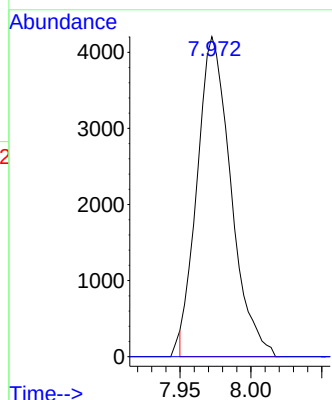
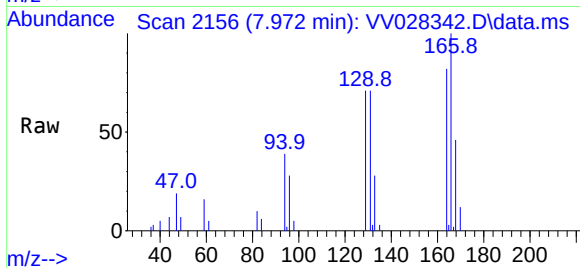
ClientSampleId :

Tgt Ion:129 Resp: 6948

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



#51

Chlorobenzene

Concen: 4.922 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.003 min

Lab File: VV028342.D

Acq: 04 Oct 2022 22:08

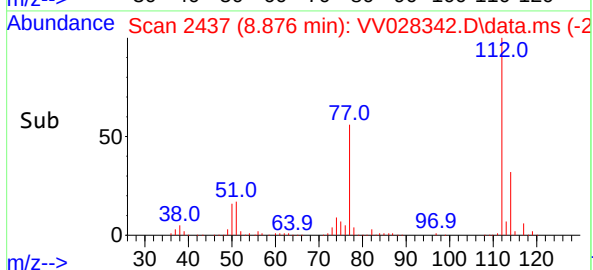
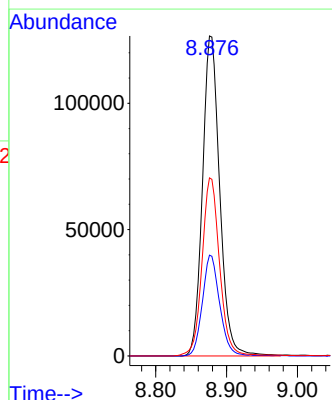
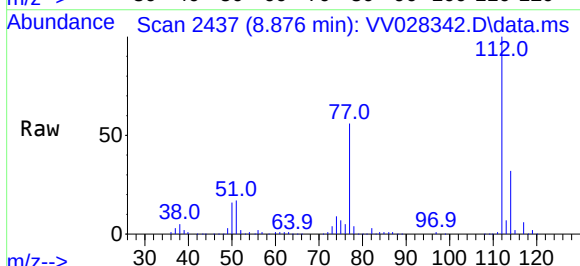
Tgt Ion:112 Resp: 214060

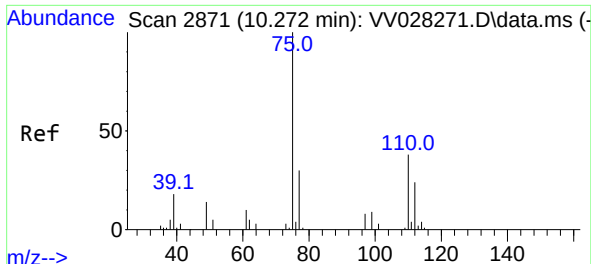
Ion Ratio Lower Upper

112 100

114 31.5 22.5 41.7

77 55.6 46.1 69.1

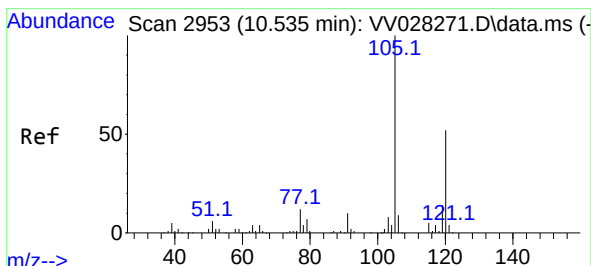
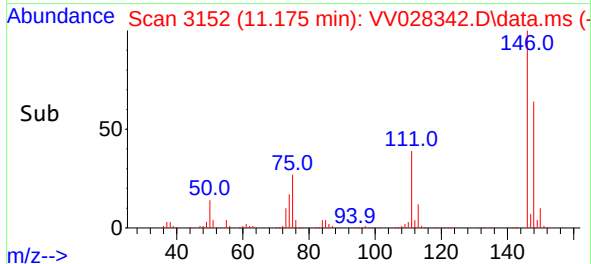
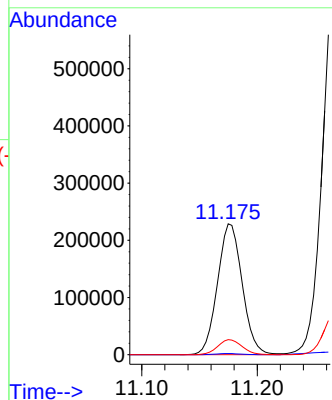
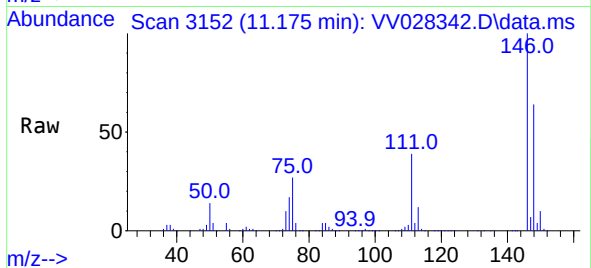




#61
1,2,3-Trichloropropane
Concen: 35.745 ug/L
RT: 11.175 min Scan# 3152
Delta R.T. 0.904 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

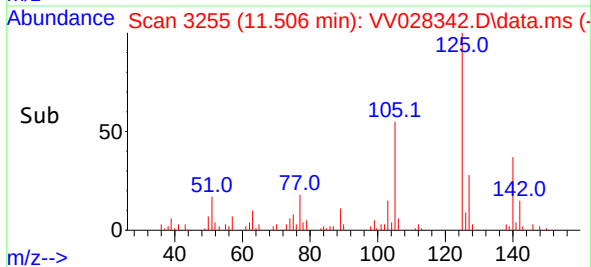
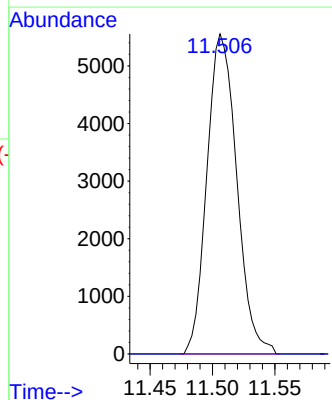
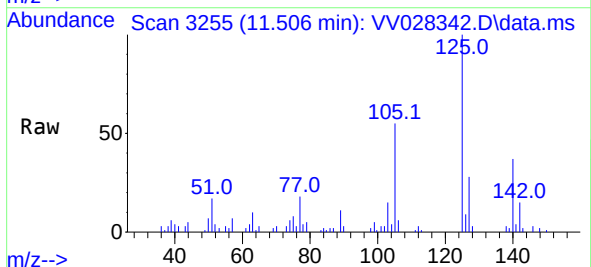
Instrument :
MSVOA_V
ClientSampleId :

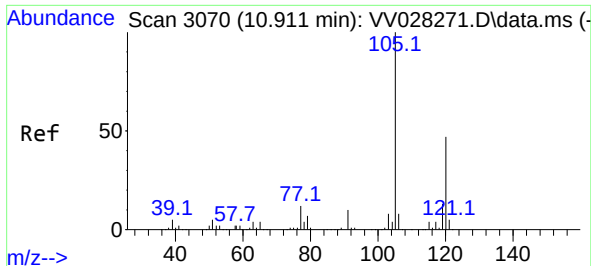
Tgt Ion: 75 Resp: 340380
Ion Ratio Lower Upper
75 100
77 0.0 26.7 40.1#
110 11.4 30.1 45.1#



#62
1,3,5-Trimethylbenzene
Concen: 0.431 ug/L
RT: 11.506 min Scan# 3255
Delta R.T. 0.971 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

Tgt Ion: 105 Resp: 9248
Ion Ratio Lower Upper
105 100
120 129.4 40.6 61.0#

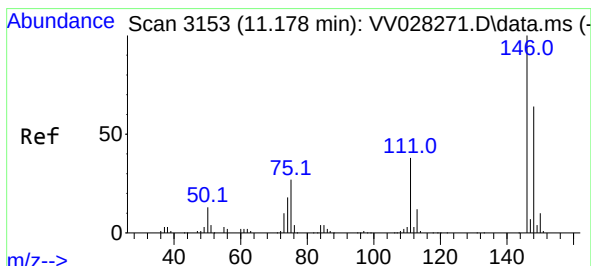
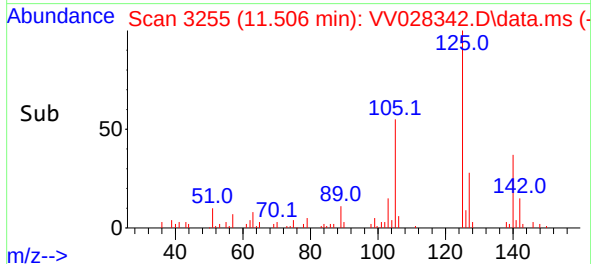
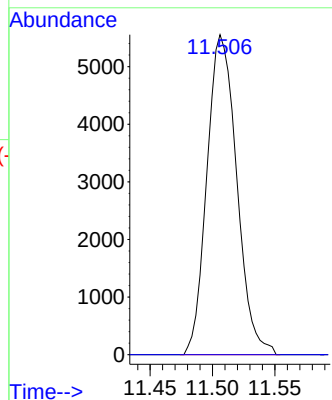
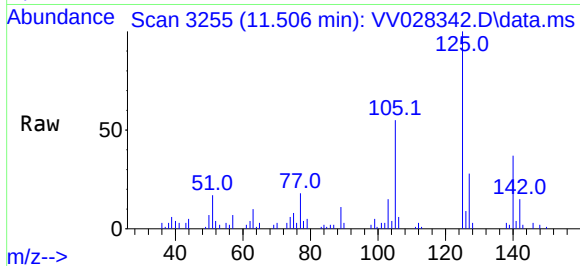




#63
1,2,4-Trimethylbenzene
Concen: 0.152 ug/L
RT: 11.506 min Scan# 3153
Delta R.T. 0.595 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

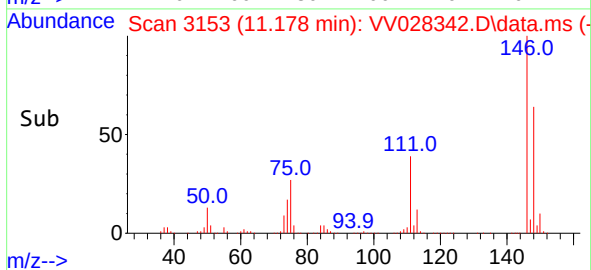
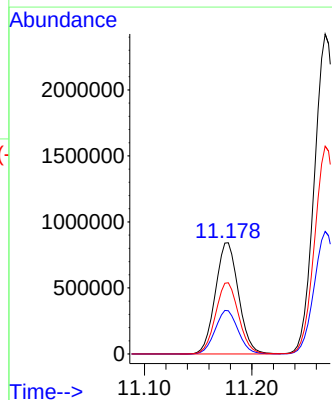
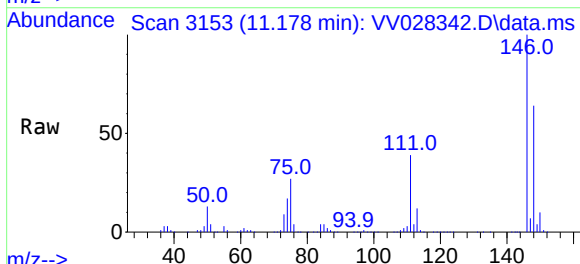
Instrument :
MSVOA_V
ClientSampleId :

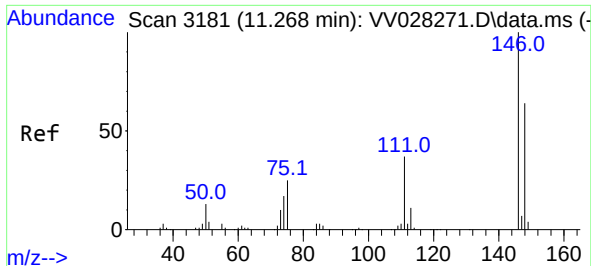
Tgt Ion:105 Resp: 9248
Ion Ratio Lower Upper
105 100
120 129.4 37.8 56.8#



#64
1,3-Dichlorobenzene
Concen: 34.050 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

Tgt Ion:146 Resp: 1263178
Ion Ratio Lower Upper
146 100
111 38.8 27.1 50.3
148 64.0 45.7 84.9

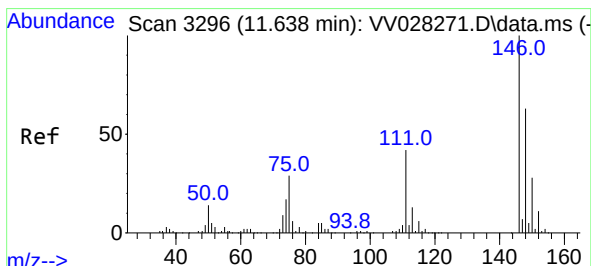
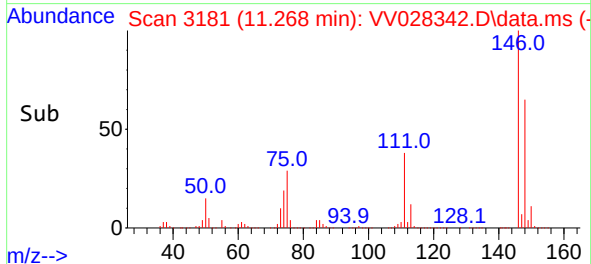
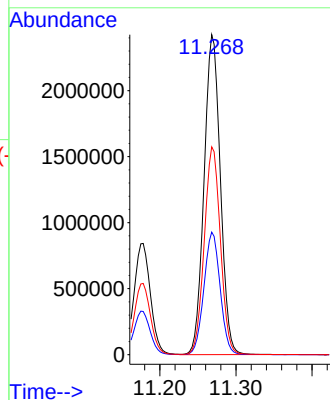
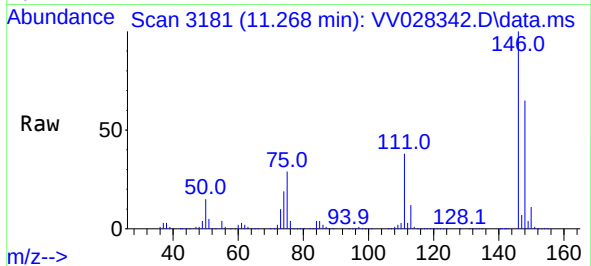




#65
1,4-Dichlorobenzene
Concen: 97.030 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. -0.000 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

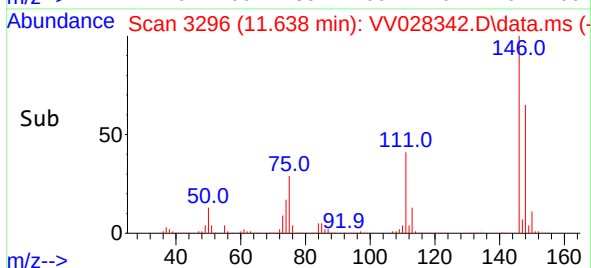
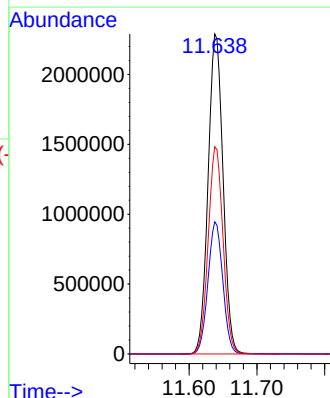
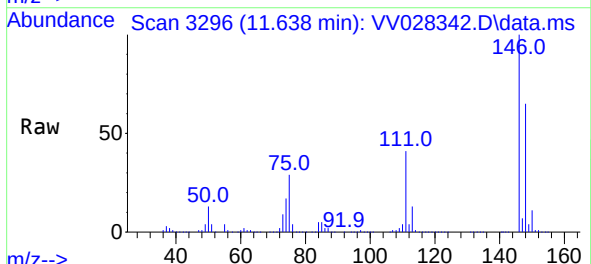
Instrument :
MSVOA_V
ClientSampleId :

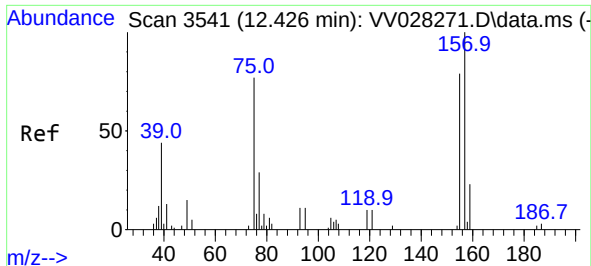
Tgt Ion:146 Resp: 3604266
Ion Ratio Lower Upper
146 100
111 38.3 26.2 48.8
148 65.0 45.8 85.2



#67
1,2-Dichlorobenzene
Concen: 104.105 ug/L
RT: 11.638 min Scan# 3296
Delta R.T. -0.003 min
Lab File: VV028342.D
Acq: 04 Oct 2022 22:08

Tgt Ion:146 Resp: 3502707
Ion Ratio Lower Upper
146 100
111 41.3 32.6 49.0
148 64.8 50.1 75.1





#68

1,2-Dibromo-3-chloropropane

Concen: 0.131 ug/L

RT: 12.393 min Scan# 3531

Delta R.T. -0.032 min

Lab File: VV028342.D

Acq: 04 Oct 2022 22:08

Instrument :

MSVOA_V

ClientSampleId :

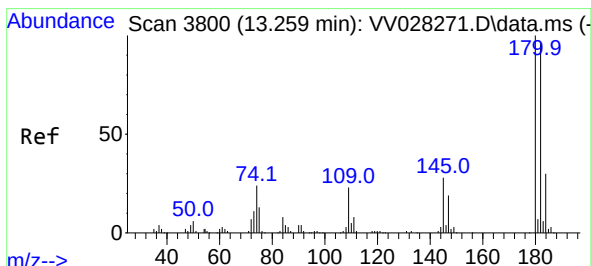
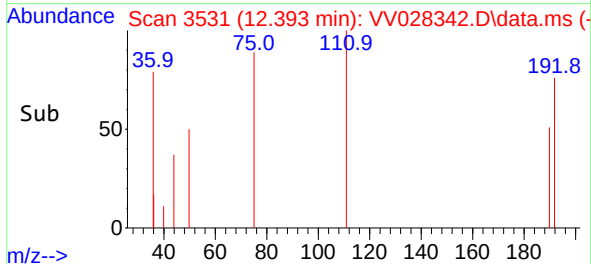
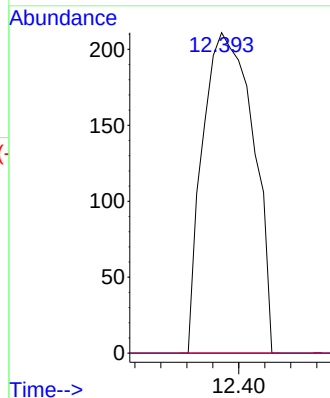
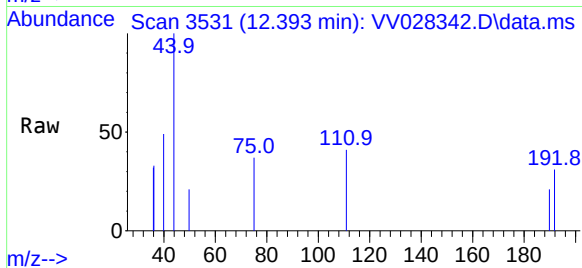
Tgt Ion: 75 Resp: 284

Ion Ratio Lower Upper

75 100

155 0.0 73.6 110.4#

157 0.0 90.7 136.1#



#70

1,2,4-trichlorobenzene

Concen: 4.163 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV028342.D

Acq: 04 Oct 2022 22:08

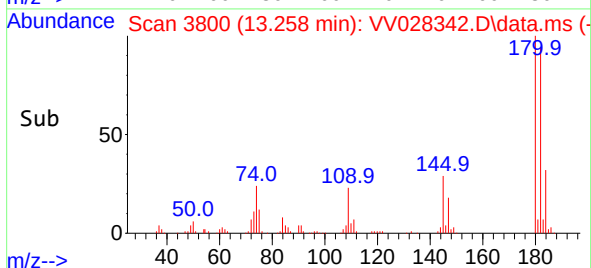
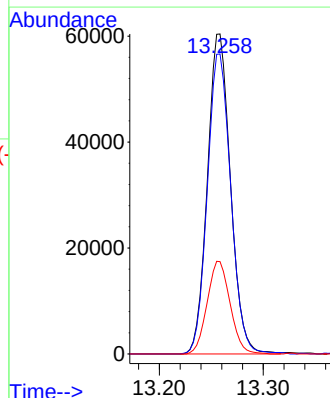
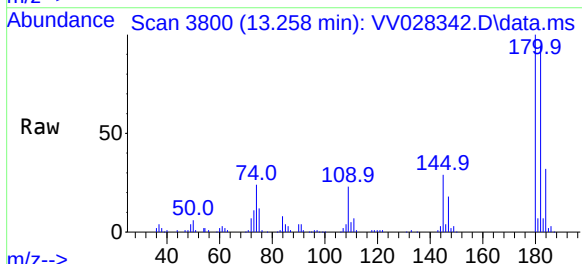
Tgt Ion:180 Resp: 93097

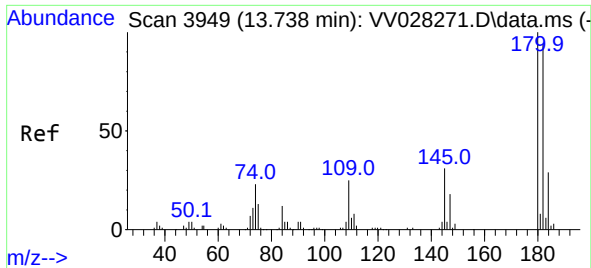
Ion Ratio Lower Upper

180 100

182 95.5 76.3 114.5

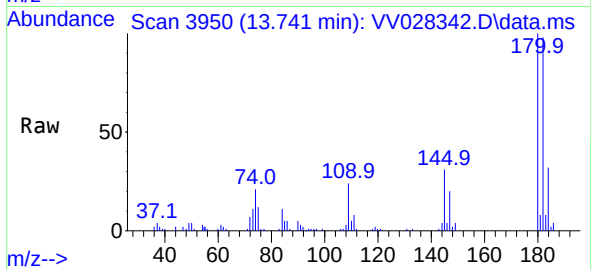
145 28.8 22.9 34.3





#72
 1,2,3-Trichlorobenzene
 Concen: 2.188 ug/L
 RT: 13.741 min Scan# 3949
 Delta R.T. -0.000 min
 Lab File: VV028342.D
 Acq: 04 Oct 2022 22:08

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	180	Resp:	44109
Ion Ratio	Lower	Upper	
180	100		
182	98.9	77.4	116.0
145	31.4	24.6	36.8

