

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100322\
 Data File : VW028301.D
 Acq On : 04 Oct 2022 00:28
 Operator : SY/MD
 Sample : N4866-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 04 06:17:41 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	184522	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	190074	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	92229	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	71303	5.143	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.800%
7) Chloroethane-d5	1.561	69	62295	5.308	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.200%
11) 1,1-Dichloroethene-d2	2.101	63	103903	3.976	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	3.896	46	153601	65.478	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.960%#
24) Chloroform-d	4.339	84	140976	5.613	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.200%
26) 1,2-Dichloroethane-d4	5.031	65	66048	5.672	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.400%
32) Benzene-d6	5.043	84	290706	5.575	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.600%
36) 1,2-Dichloropropane-d6	6.066	67	89902	6.010	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.200%
41) Toluene-d8	7.313	98	238887	4.982	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
43) trans-1,3-Dichloroprop...	7.622	79	26267	4.611	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.088	63	129268	55.439	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.880%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	62804	5.539	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.800%
66) 1,2-Dichlorobenzene-d4	11.619	152	89396	5.632	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	811	0.058	ug/L	96
5) Vinyl chloride	1.304	62	274765	17.348	ug/L	98
6) Bromomethane	1.516	94	360	0.048	ug/L	98
8) Chloroethane	1.375	64	432907	41.011	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	1231	0.092	ug/L #	19
12) 1,1-Dichloroethene	2.111	96	4757	0.359	ug/L #	1
14) Carbon disulfide	2.288	76	7551	0.183	ug/L	98
18) trans-1,2-Dichloroethene	2.754	96	39729	2.882	ug/L	95
22) cis-1,2-Dichloroethene	3.899	96	2212577	159.369	ug/L	95
33) Benzene	5.098	78	6977	0.123	ug/L	100
34) Trichloroethene	5.905	95	375782	26.524	ug/L	96
35) Methylcyclohexane	6.127	83	1565	0.068	ug/L #	84
37) 1,2-Dichloropropane	6.063	63	9462	0.722	ug/L #	87
39) cis-1,3-Dichloropropene	6.985	75	1710	0.091	ug/L #	50
45) 1,1,2-Trichloroethane	7.969	97	2871	0.295	ug/L #	1
47) Tetrachloroethene	7.969	164	343978	27.781	ug/L	99
49) Dibromochloromethane	7.969	129	308271	25.058	ug/L #	11
61) 1,2,3-Trichloropropane	11.178	75	7181	1.009	ug/L #	49
64) 1,3-Dichlorobenzene	11.178	146	26850	0.968	ug/L	99

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

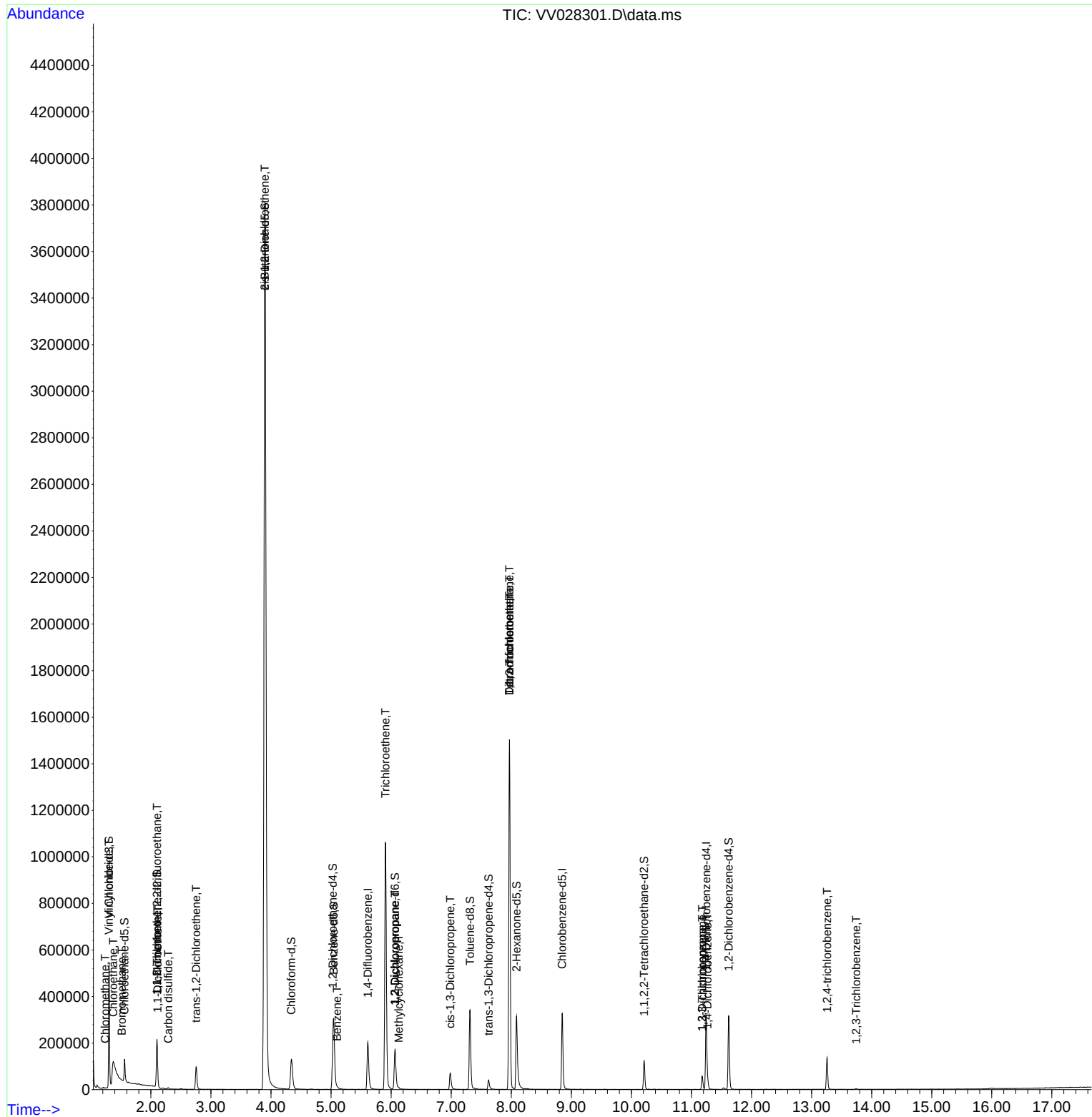
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.268	146	12788	0.461	ug/L	98
70) 1,2,4-trichlorobenzene	13.259	180	46768	2.799	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	1402	0.093	ug/L	88

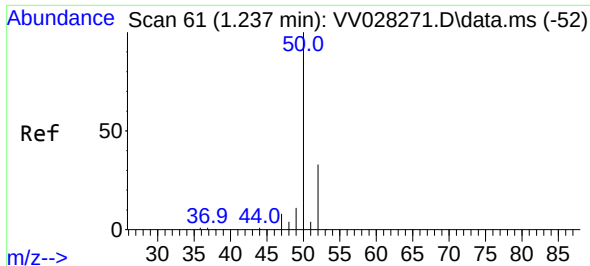
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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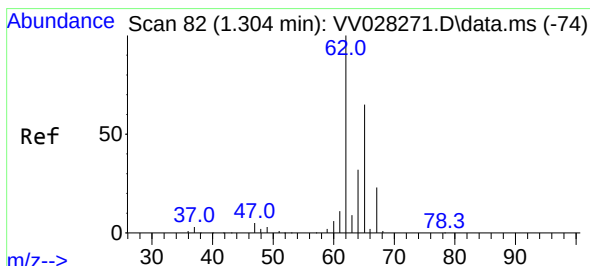
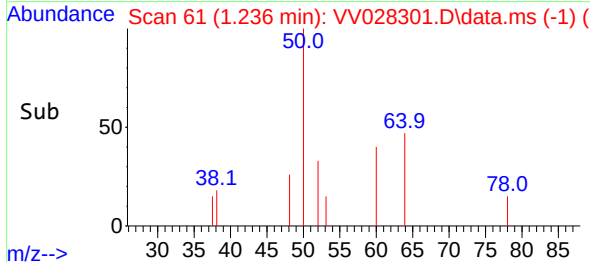
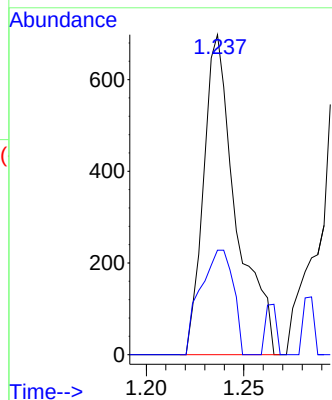
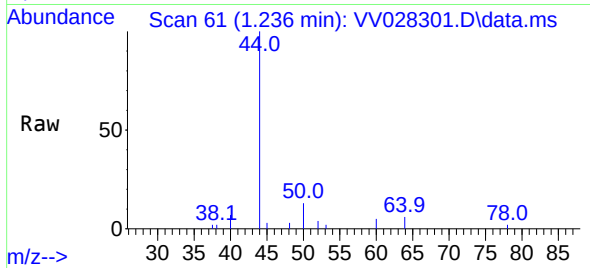




#3
Chloromethane
Concen: 0.058 ug/L
RT: 1.236 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

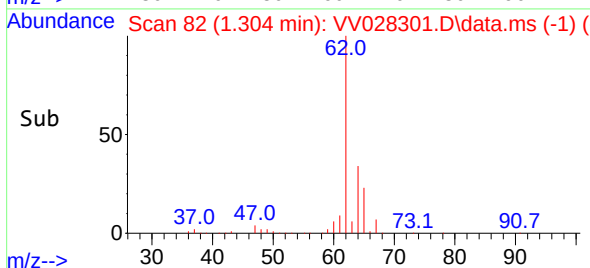
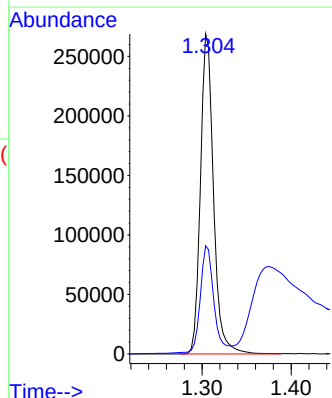
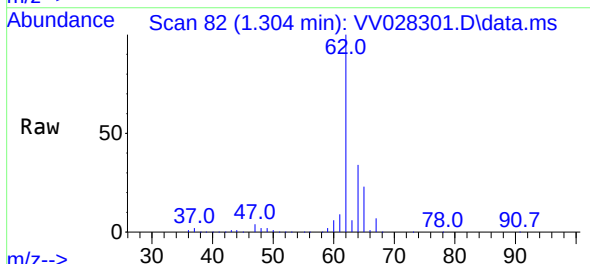
Instrument :
MSVOA_V
ClientSampleId :

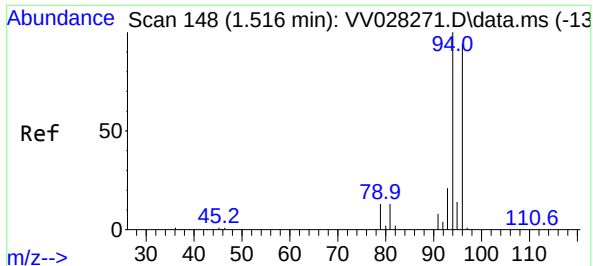
Tgt Ion: 50 Resp: 811
Ion Ratio Lower Upper
50 100
52 32.7 24.4 45.2



#5
Vinyl chloride
Concen: 17.348 ug/L
RT: 1.304 min Scan# 82
Delta R.T. 0.000 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

Tgt Ion: 62 Resp: 274765
Ion Ratio Lower Upper
62 100
64 33.8 23.0 42.8

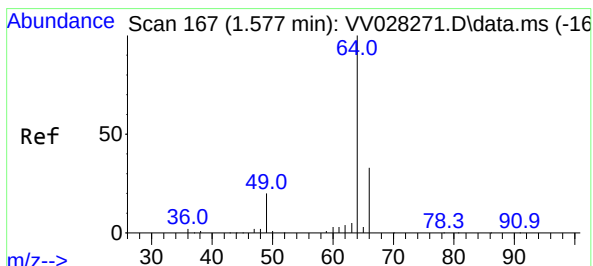
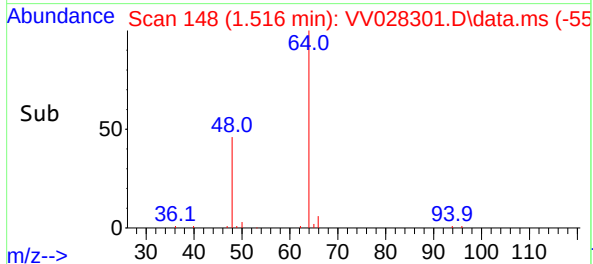
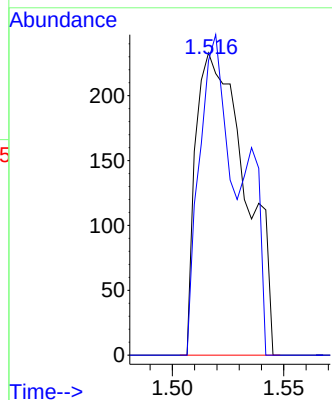
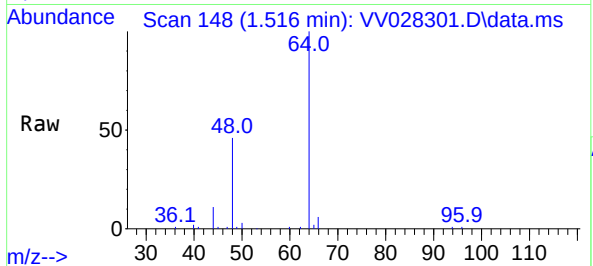




#6
Bromomethane
Concen: 0.048 ug/L
RT: 1.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

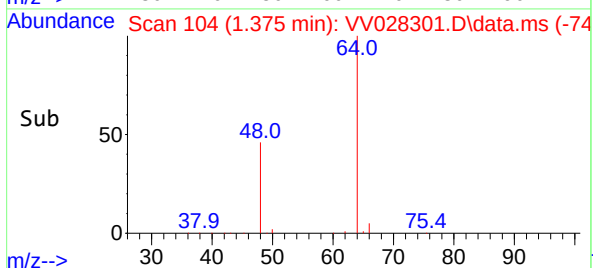
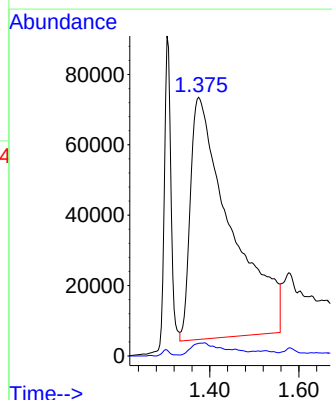
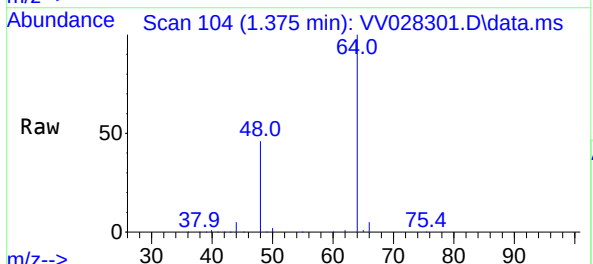
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MSVOA_V
ClientSampleId :

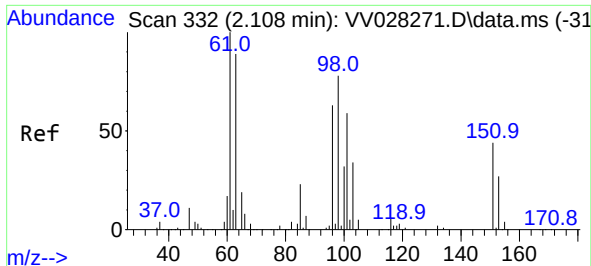
Tgt Ion: 94 Resp: 360
Ion Ratio Lower Upper
94 100
96 97.4 66.7 123.9



#8
Chloroethane
Concen: 41.011 ug/L
RT: 1.375 min Scan# 104
Delta R.T. -0.202 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

Tgt Ion: 64 Resp: 432907
Ion Ratio Lower Upper
64 100
66 4.9 23.0 42.8#

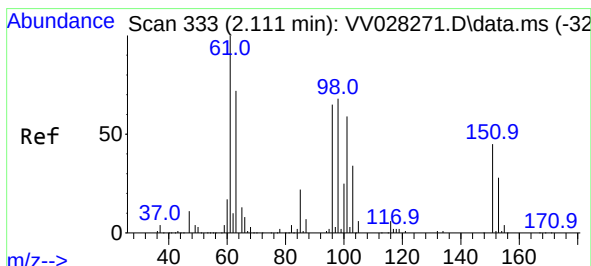
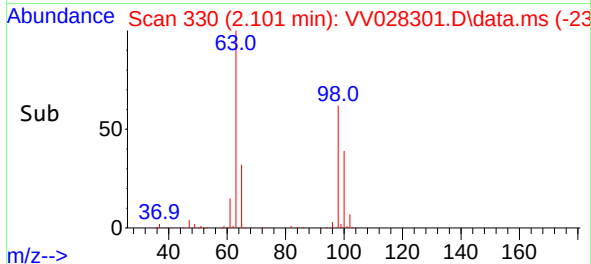
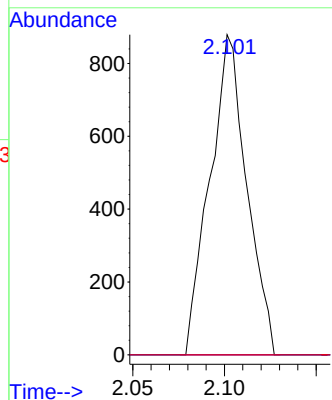
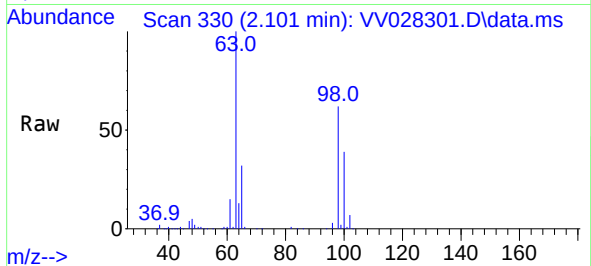




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.092 ug/L
RT: 2.101 min Scan# 311
Delta R.T. -0.006 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

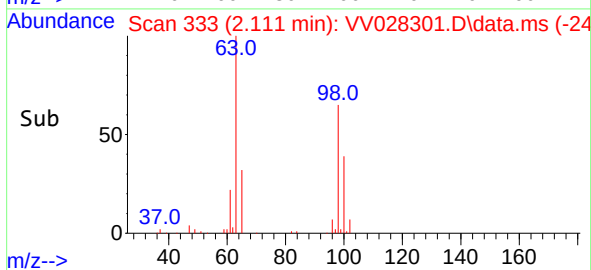
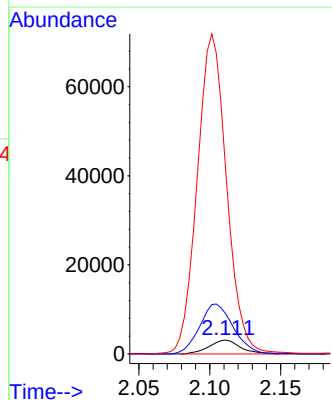
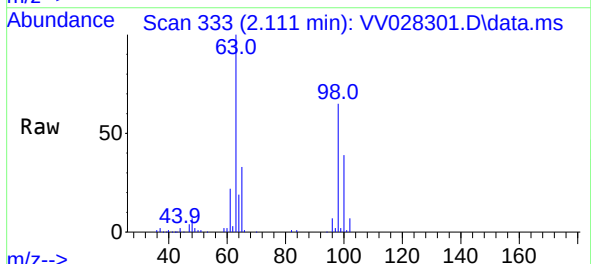
Instrument :
MSVOA_V
ClientSampleId :

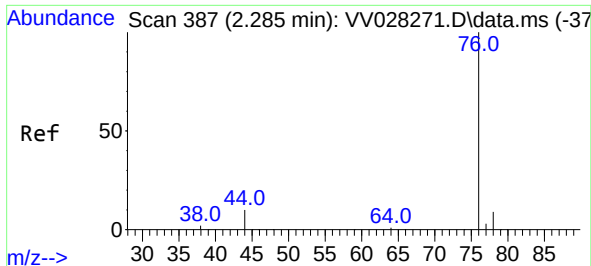
Tgt Ion:101 Resp: 1231
Ion Ratio Lower Upper
101 100
85 0.0 34.4 51.6#
151 0.0 61.1 91.7#



#12
1,1-Dichloroethene
Concen: 0.359 ug/L
RT: 2.111 min Scan# 333
Delta R.T. 0.000 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

Tgt Ion: 96 Resp: 4757
Ion Ratio Lower Upper
96 100
61 289.9 128.3 238.3#
63 1336.2 112.7 209.3#

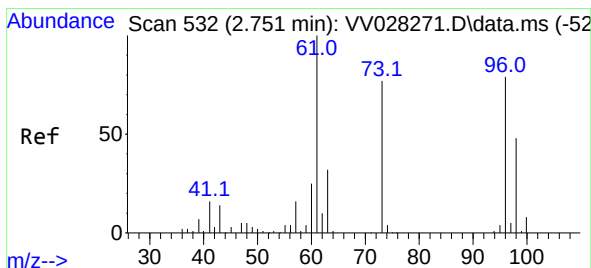
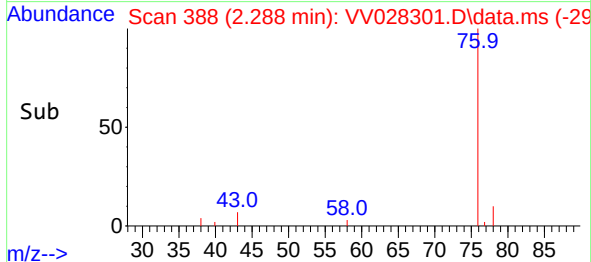
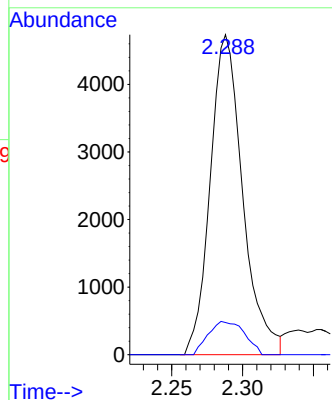
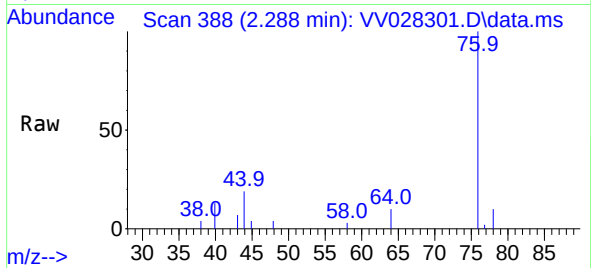




#14
Carbon disulfide
Concen: 0.183 ug/L
RT: 2.288 min Scan# 387
Delta R.T. 0.003 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

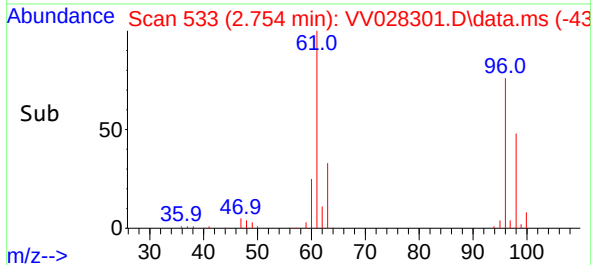
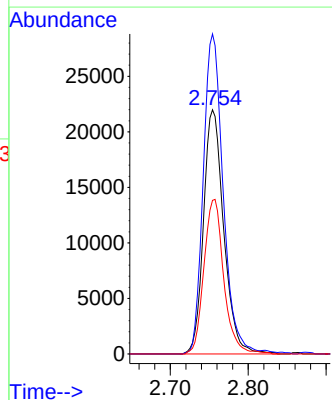
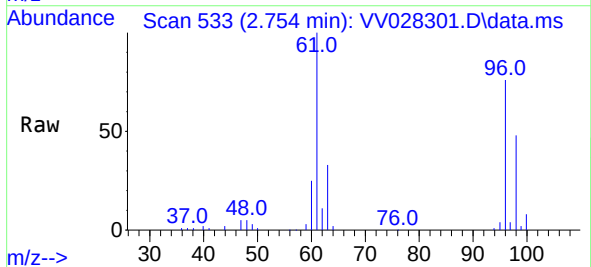
Instrument :
MSVOA_V
ClientSampleId :

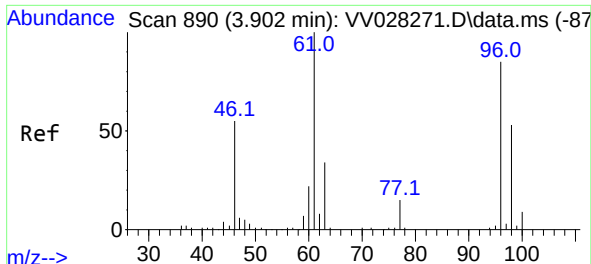
Tgt Ion: 76 Resp: 7551
Ion Ratio Lower Upper
76 100
78 10.1 7.6 11.4



#18
trans-1,2-Dichloroethene
Concen: 2.882 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.003 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

Tgt Ion: 96 Resp: 39729
Ion Ratio Lower Upper
96 100
61 131.0 96.2 178.6
98 62.9 45.7 84.9





#22

cis-1,2-Dichloroethene

Concen: 159.369 ug/L

RT: 3.899 min Scan# 81

Delta R.T. -0.006 min

Lab File: VV028301.D

Acq: 04 Oct 2022 00:28

Instrument :

MSVOA_V

ClientSampleId :

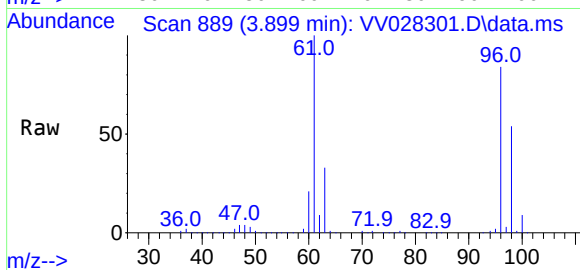
Tgt Ion: 96 Resp: 2212577

Ion Ratio Lower Upper

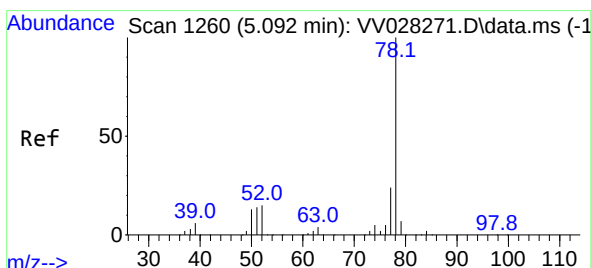
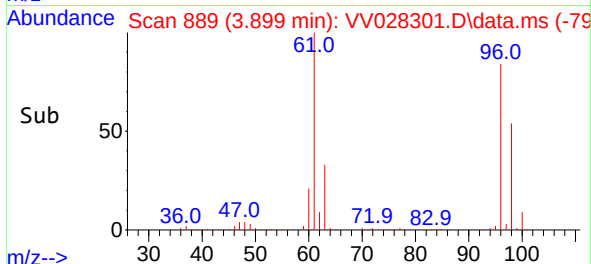
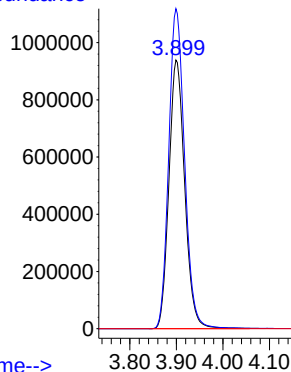
96 100

61 119.1 87.2 161.9

68 0.0 0.0 0.0



Abundance



#33

Benzene

Concen: 0.123 ug/L

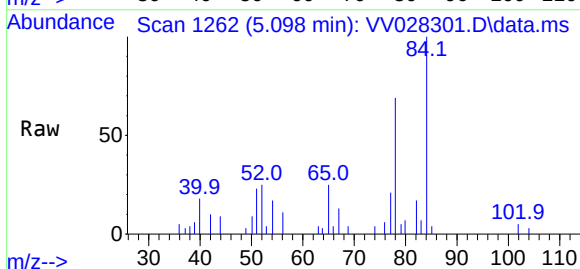
RT: 5.098 min Scan# 1262

Delta R.T. 0.007 min

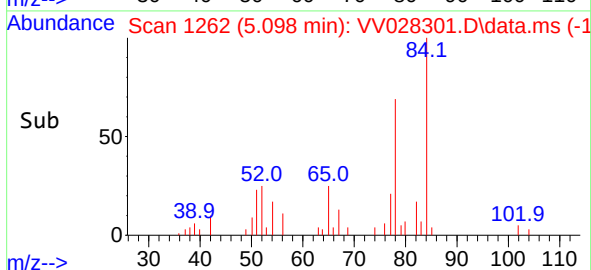
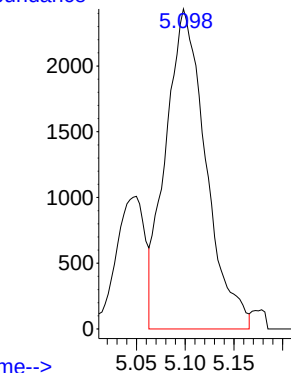
Lab File: VV028301.D

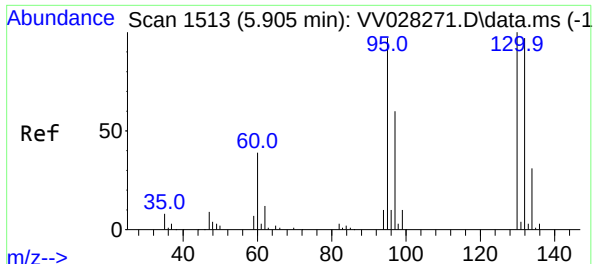
Acq: 04 Oct 2022 00:28

Tgt Ion: 78 Resp: 6977



Abundance

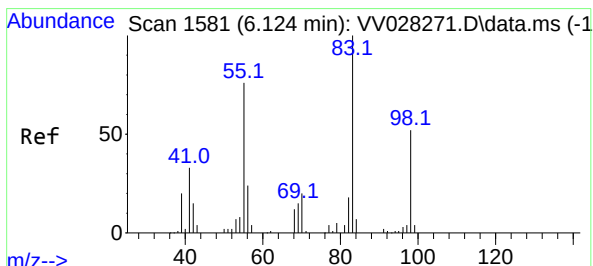
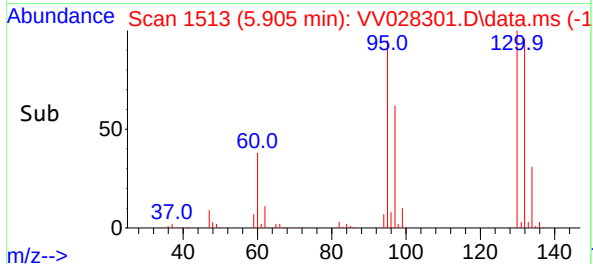
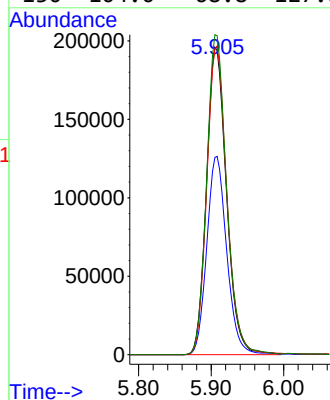
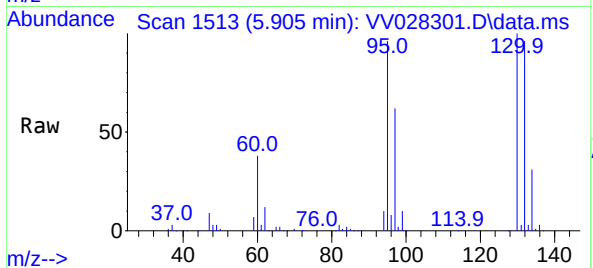




#34
Trichloroethene
Concen: 26.524 ug/L
RT: 5.905 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

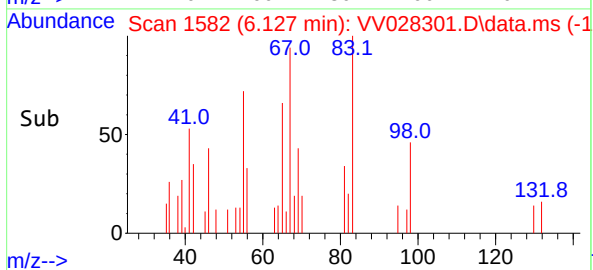
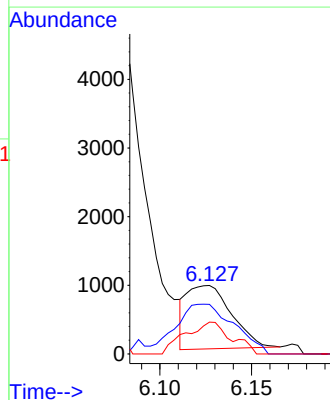
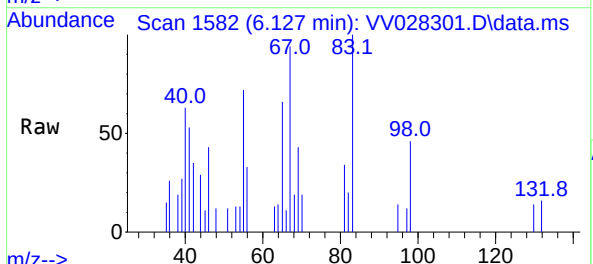
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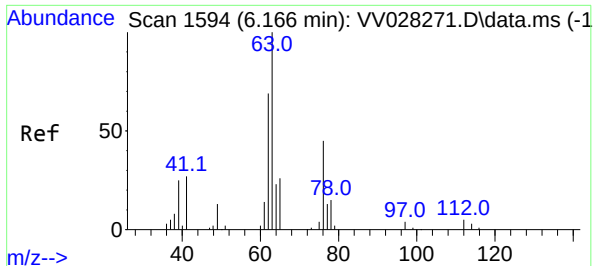
Tgt Ion: 95 Resp: 375782
Ion Ratio Lower Upper
95 100
97 64.2 44.2 82.0
132 99.5 67.8 126.0
130 104.0 68.8 127.8



#35
Methylcyclohexane
Concen: 0.068 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.003 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

Tgt Ion: 83 Resp: 1565
Ion Ratio Lower Upper
83 100
55 101.7 64.7 97.1#
98 51.6 39.5 59.3





#37

1,2-Dichloropropane

Concen: 0.722 ug/L

RT: 6.063 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV028301.D

Acq: 04 Oct 2022 00:28

Instrument :

MSVOA_V

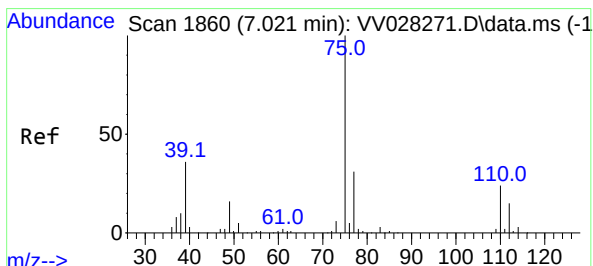
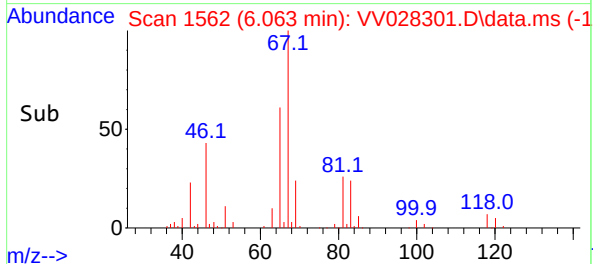
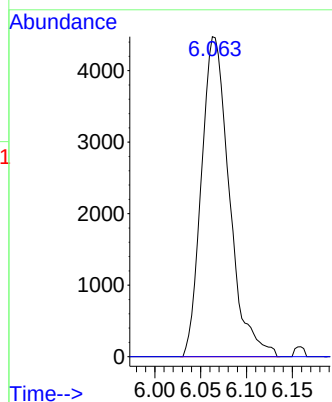
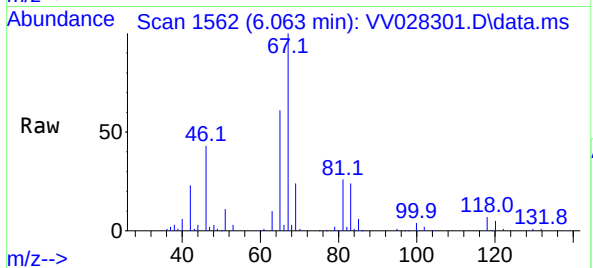
ClientSampleId :

Tgt Ion: 63 Resp: 9462

Ion Ratio Lower Upper

63 100

112 0.2 3.5 5.3#



#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.038 min

Lab File: VV028301.D

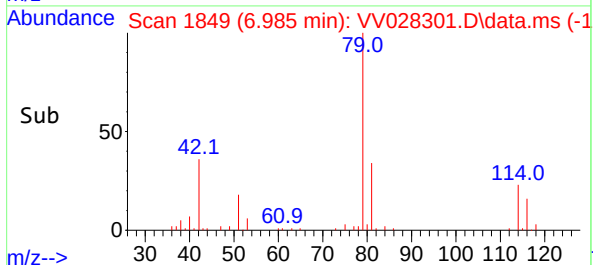
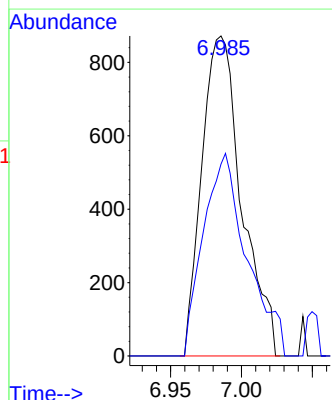
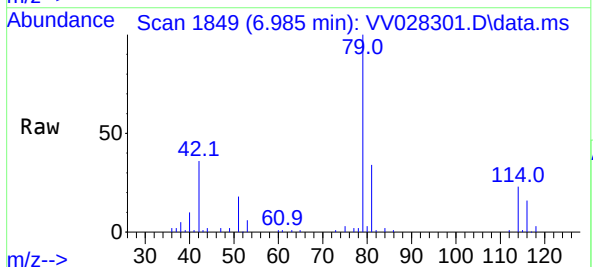
Acq: 04 Oct 2022 00:28

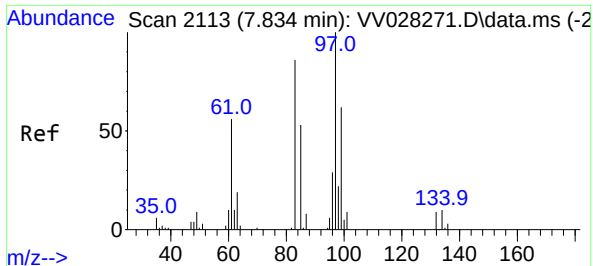
Tgt Ion: 75 Resp: 1710

Ion Ratio Lower Upper

75 100

77 60.0 22.4 41.6#





#45

1,1,2-Trichloroethane

Concen: 0.295 ug/L

RT: 7.969 min Scan# 2113

Delta R.T. 0.132 min

Lab File: VV028301.D

Acq: 04 Oct 2022 00:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 2871

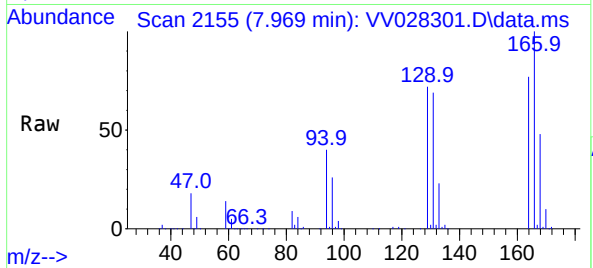
Ion Ratio Lower Upper

97 100

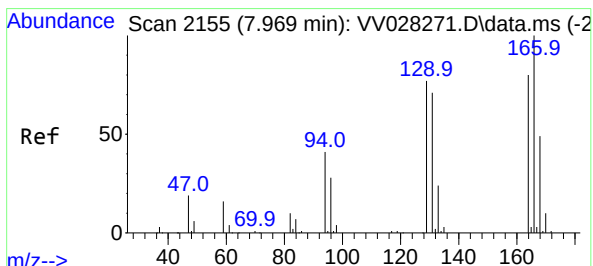
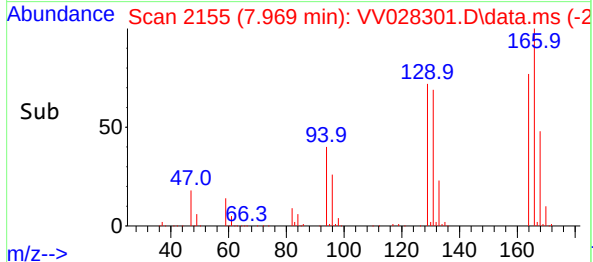
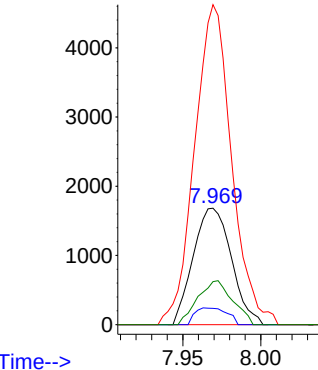
99 14.0 43.2 80.2#

83 274.7 59.1 109.9#

85 37.0 38.5 71.5#



Abundance



#47

Tetrachloroethene

Concen: 27.781 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.000 min

Lab File: VV028301.D

Acq: 04 Oct 2022 00:28

Tgt Ion:164 Resp: 343978

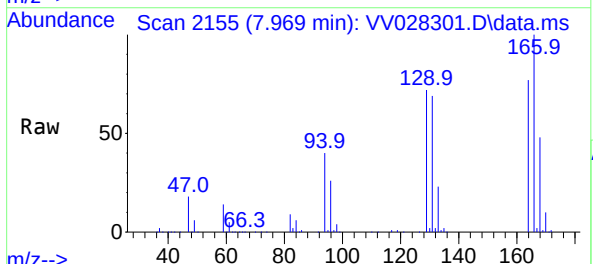
Ion Ratio Lower Upper

164 100

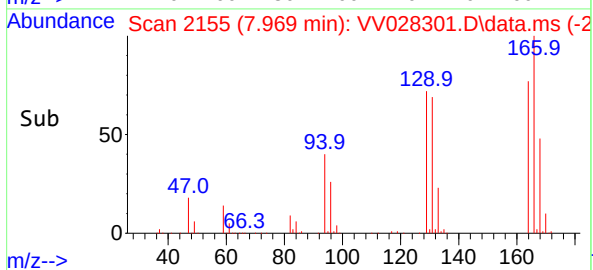
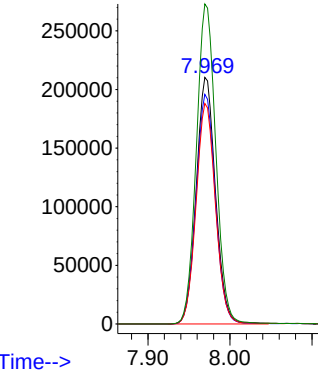
129 93.1 66.7 123.9

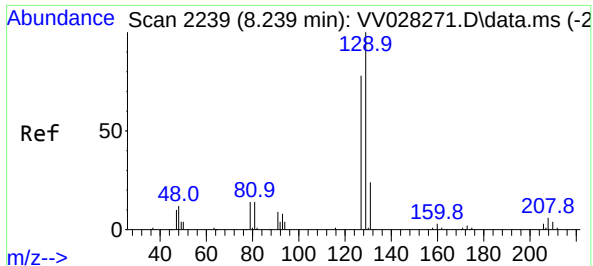
131 89.4 61.7 114.5

166 129.8 90.9 168.9



Abundance





#49

Dibromochloromethane

Concen: 25.058 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.273 min

Lab File: VV028301.D

Acq: 04 Oct 2022 00:28

Instrument :

MSVOA_V

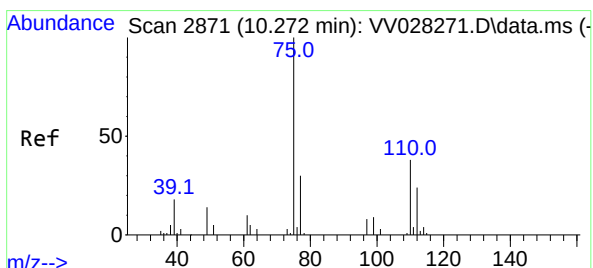
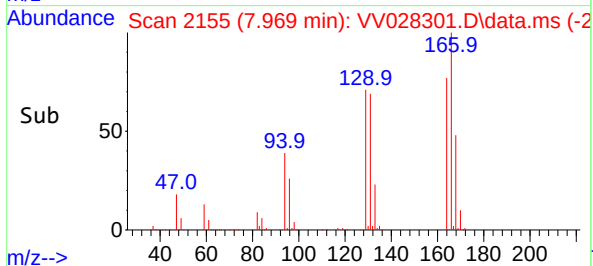
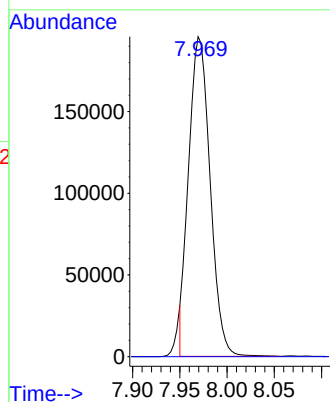
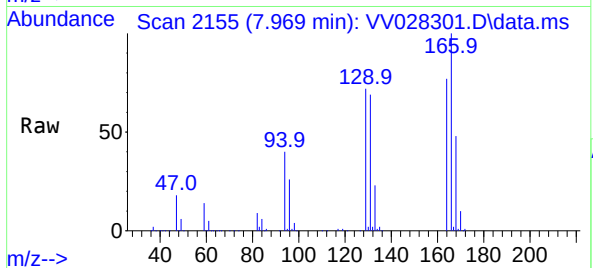
ClientSampleId :

Tgt Ion:129 Resp: 308271

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



#61

1,2,3-Trichloropropane

Concen: 1.009 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.907 min

Lab File: VV028301.D

Acq: 04 Oct 2022 00:28

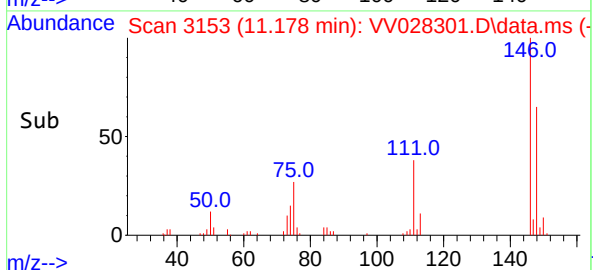
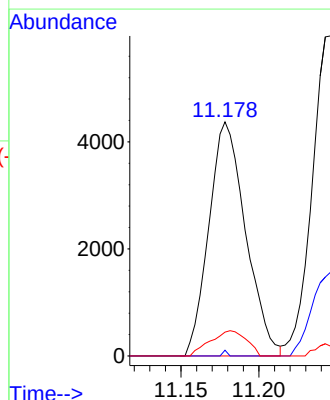
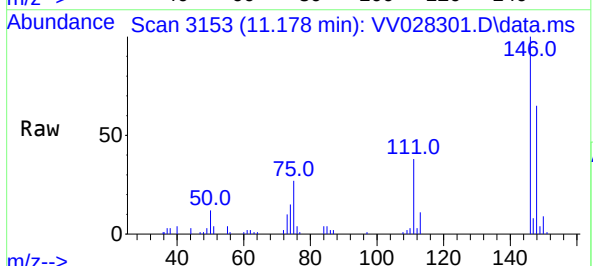
Tgt Ion: 75 Resp: 7181

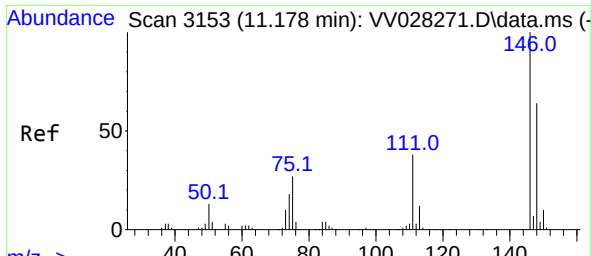
Ion Ratio Lower Upper

75 100

77 0.0 26.7 40.1#

110 10.6 30.1 45.1#

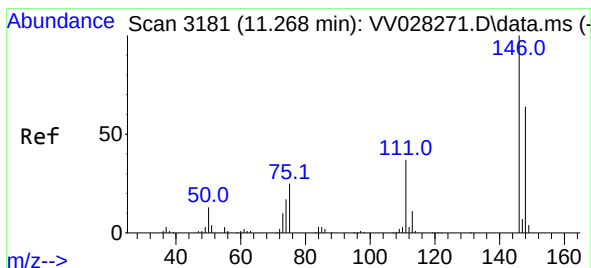
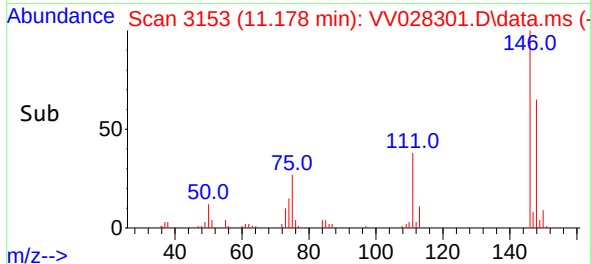
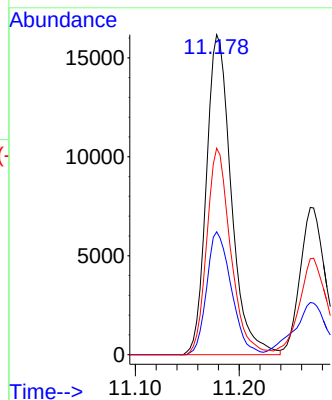
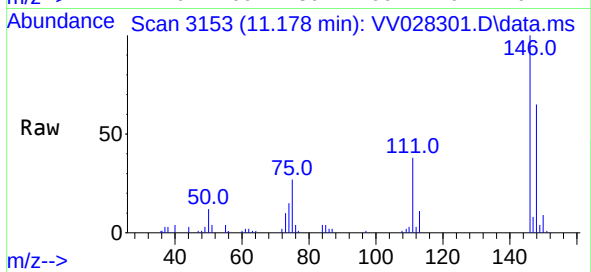




#64
1,3-Dichlorobenzene
Concen: 0.968 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

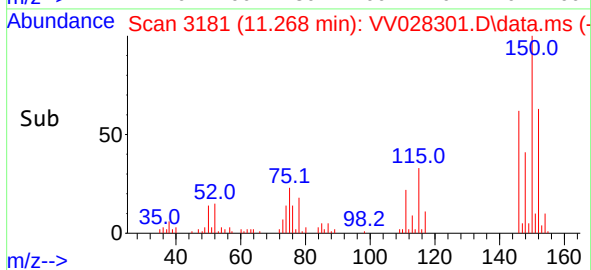
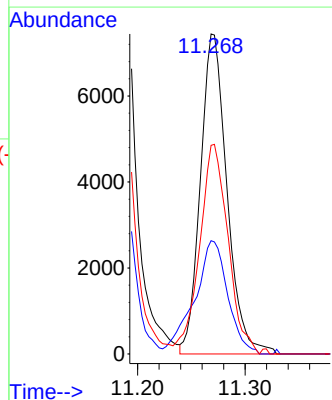
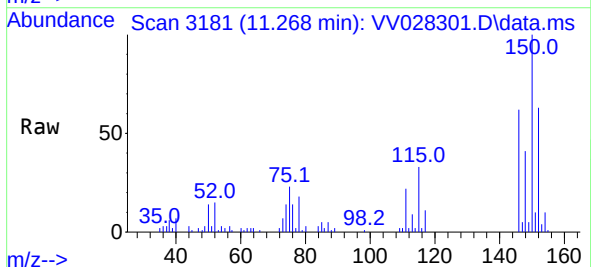
Instrument :
MSVOA_V
ClientSampleId :

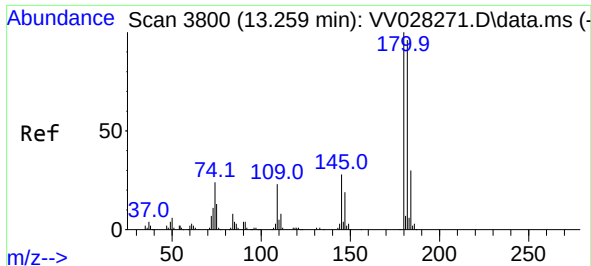
Tgt Ion:146 Resp: 26850
Ion Ratio Lower Upper
146 100
111 38.4 27.1 50.3
148 64.5 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 0.461 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

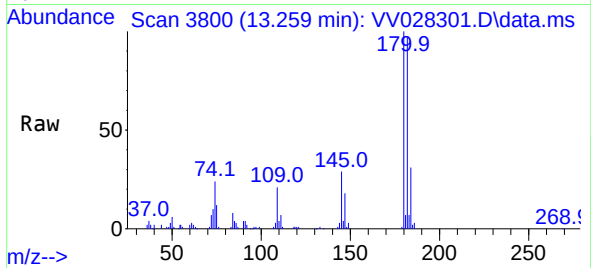
Tgt Ion:146 Resp: 12788
Ion Ratio Lower Upper
146 100
111 35.4 26.2 48.8
148 65.2 45.8 85.2



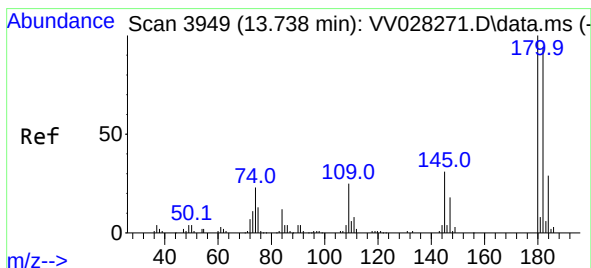
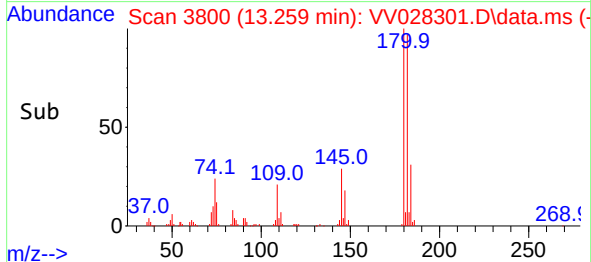
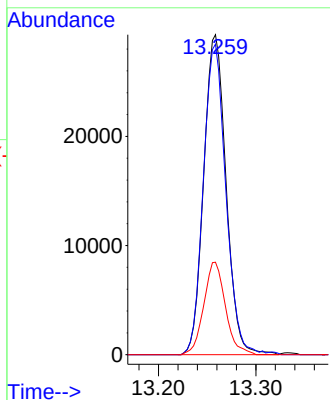


#70
1,2,4-trichlorobenzene
Concen: 2.799 ug/L
RT: 13.259 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:180 Resp: 46768
Ion Ratio Lower Upper
180 100
182 97.6 76.3 114.5
145 28.0 22.9 34.3



#72
1,2,3-Trichlorobenzene
Concen: 0.093 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV028301.D
Acq: 04 Oct 2022 00:28

Tgt Ion:180 Resp: 1402
Ion Ratio Lower Upper
180 100
182 82.3 77.4 116.0
145 29.0 24.6 36.8

