

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VW029635.D
 Acq On : 13 Dec 2022 07:06
 Operator : SY/MD
 Sample : N5928-13
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ74

Quant Time: Dec 13 07:44:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 04:57:44 2022
 Response via : Initial Calibration

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

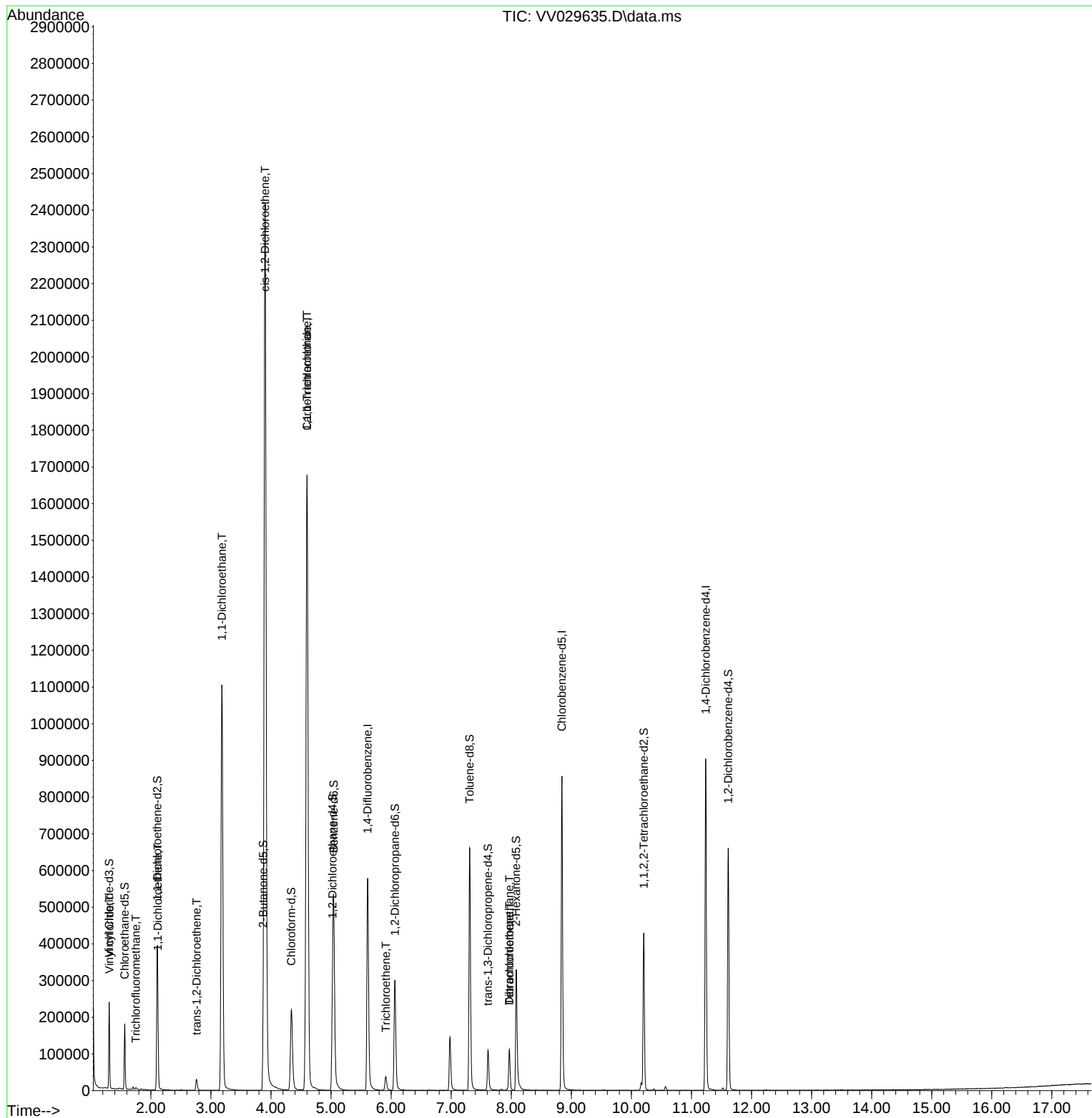
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	528179	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	488801	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	247240	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	135751	41.972	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.940%		
7) Chloroethane-d5	1.564	69	112344	45.552	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.100%		
11) 1,1-Dichloroethene-d2	2.108	63	190638	37.790	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.580%		
21) 2-Butanone-d5	3.870	46	153776	77.939	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	77.940%		
24) Chloroform-d	4.339	84	238364	39.163	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	78.320%		
26) 1,2-Dichloroethane-d4	5.024	65	141089	40.587	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.180%		
32) Benzene-d6	5.043	84	517456	40.064	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.120%		
36) 1,2-Dichloropropane-d6	6.063	67	158818	40.256	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	80.520%		
41) Toluene-d8	7.307	98	462202	37.980	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	75.960%#		
43) trans-1,3-Dichloroprop...	7.612	79	62668	31.457	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.920%		
47) 2-Hexanone-d5	8.082	63	126000	74.792	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	74.790%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	216143	38.339	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	76.680%		
66) 1,2-Dichlorobenzene-d4	11.612	152	181995	38.669	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	77.340%#		
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	13079	3.296	ug/L #	78
9) Trichlorofluoromethane	1.751	101	3101	0.624	ug/L	99
12) 1,1-Dichloroethene	2.117	96	31116	11.021	ug/L #	1
17) trans-1,2-Dichloroethene	2.760	96	12121	3.726	ug/L	99
19) 1,1-Dichloroethane	3.182	63	1142701	205.047	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	1428743	399.415	ug/L	93
30) 1,1,1-Trichloroethane	4.600	97	1409837	264.735	ug/L	99
31) Carbon tetrachloride	4.600	117	191785	41.240	ug/L	99
34) Trichloroethene	5.911	95	12540	3.632	ug/L	94
46) Tetrachloroethene	7.969	164	26888	9.687	ug/L	99
49) Dibromochloromethane	7.969	129	23766	6.266	ug/L #	10

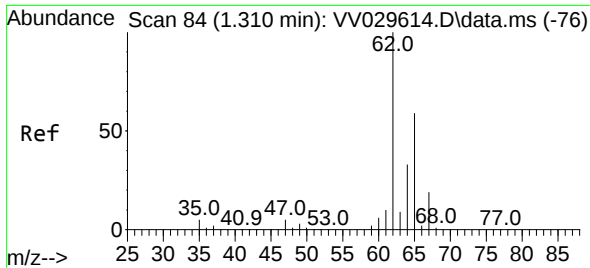
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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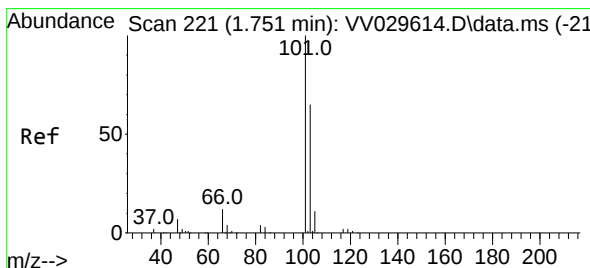
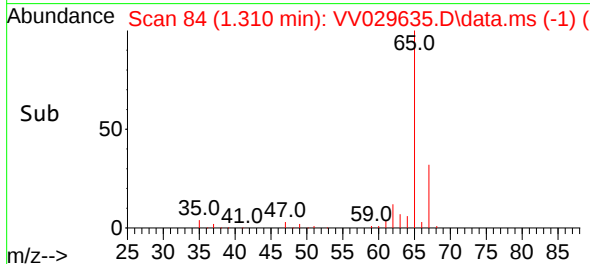
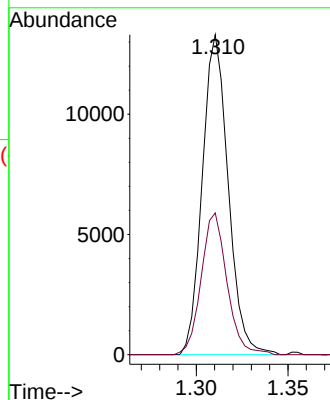
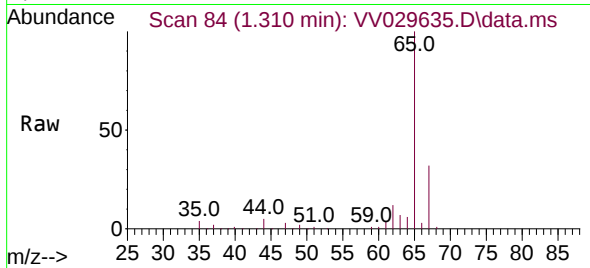




#5
 Vinyl chloride
 Concen: 3.296 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029635.D
 Acq: 13 Dec 2022 07:06

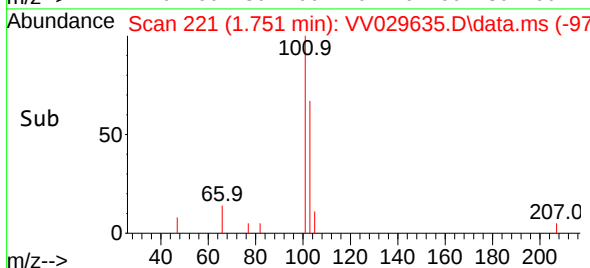
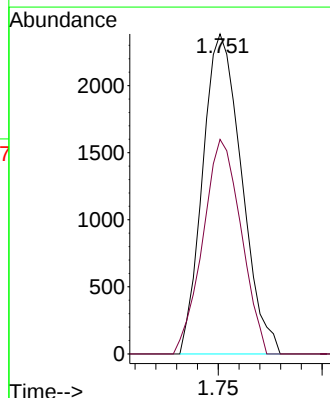
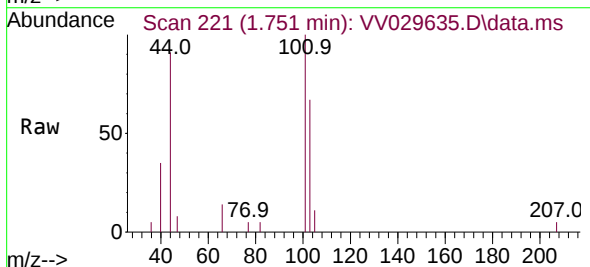
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ74

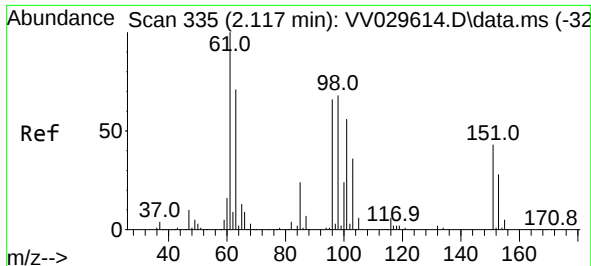
Tgt Ion: 62 Resp: 13079
 Ion Ratio Lower Upper
 62 100
 64 44.3 22.5 41.9#



#9
 Trichlorofluoromethane
 Concen: 0.624 ug/L
 RT: 1.751 min Scan# 221
 Delta R.T. 0.000 min
 Lab File: VV029635.D
 Acq: 13 Dec 2022 07:06

Tgt Ion: 101 Resp: 3101
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.8 77.8





#12

1,1-Dichloroethene

Concen: 11.021 ug/L

RT: 2.117 min Scan# 311

Delta R.T. 0.000 min

Lab File: VV029635.D

Acq: 13 Dec 2022 07:06

Instrument :

MSVOA_V

ClientSampleId :

EXZ74

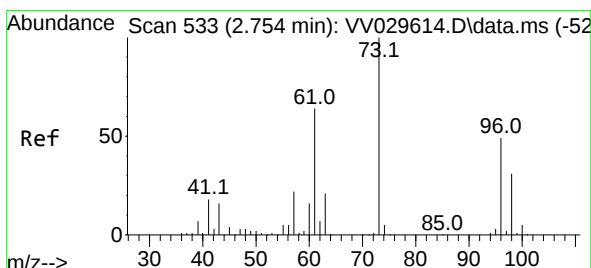
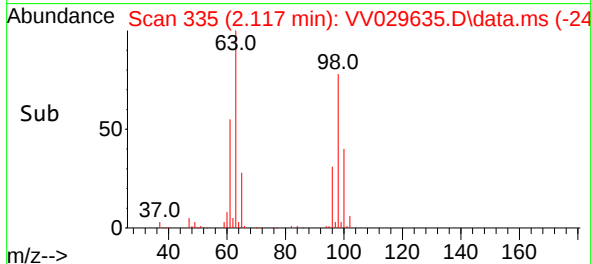
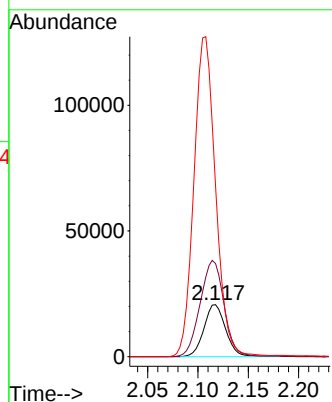
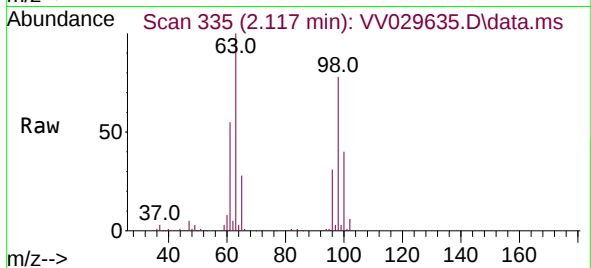
Tgt Ion: 96 Resp: 31116

Ion Ratio Lower Upper

96 100

61 178.8 103.3 191.9

63 327.4 77.3 143.7#



#17

trans-1,2-Dichloroethene

Concen: 3.726 ug/L

RT: 2.760 min Scan# 535

Delta R.T. 0.006 min

Lab File: VV029635.D

Acq: 13 Dec 2022 07:06

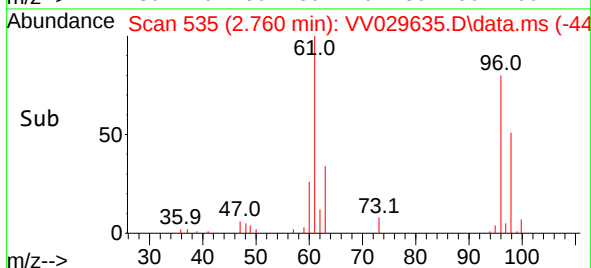
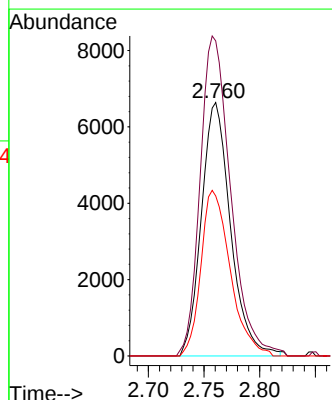
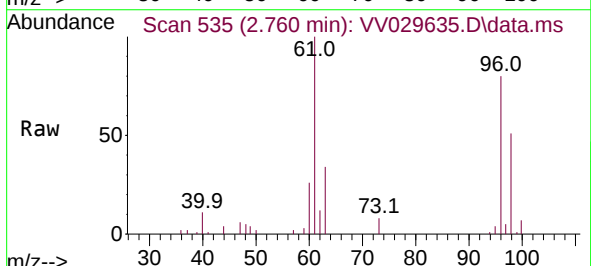
Tgt Ion: 96 Resp: 12121

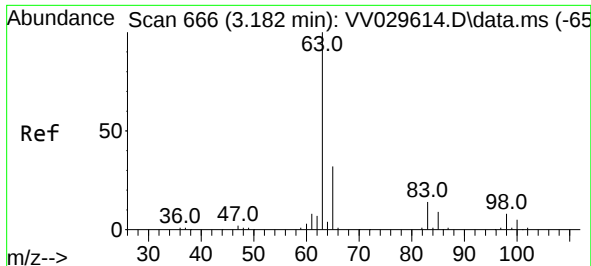
Ion Ratio Lower Upper

96 100

61 124.3 86.4 160.4

98 63.1 43.4 80.6





#19

1,1-Dichloroethane

Concen: 205.047 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV029635.D

Acq: 13 Dec 2022 07:06

Instrument :

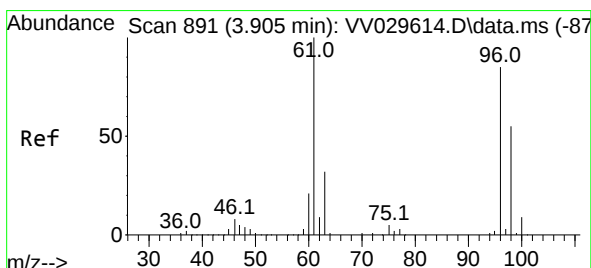
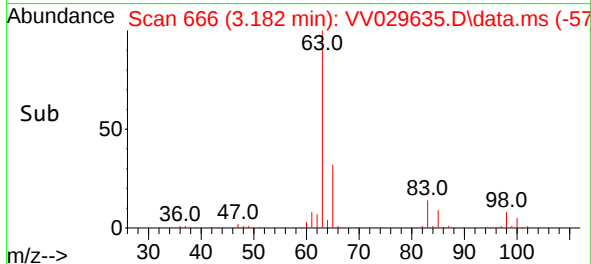
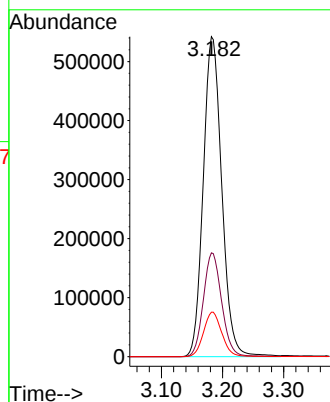
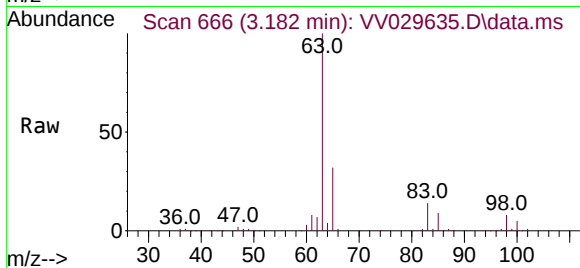
MSVOA_V

ClientSampleId :

EXZ74

Tgt Ion: 63 Resp: 1142701

Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.5	41.7
83	13.9	10.4	19.2



#20

cis-1,2-Dichloroethene

Concen: 399.415 ug/L

RT: 3.902 min Scan# 890

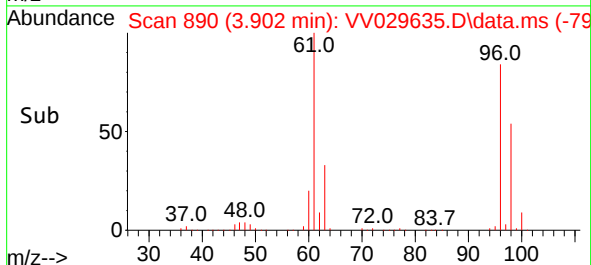
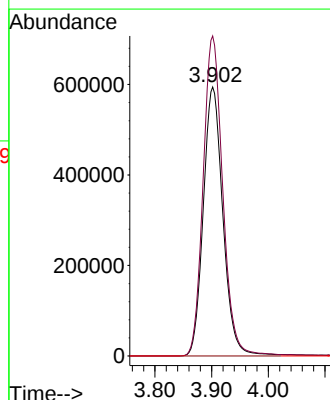
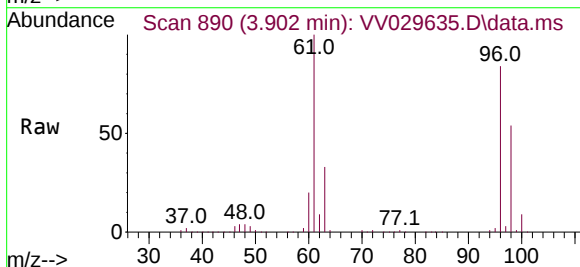
Delta R.T. -0.003 min

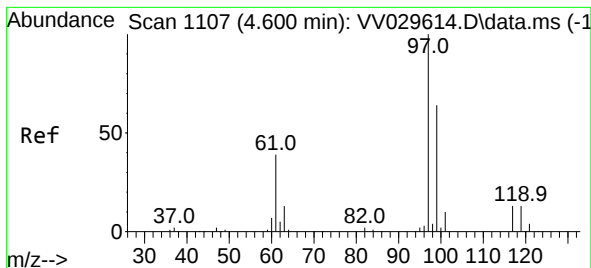
Lab File: VV029635.D

Acq: 13 Dec 2022 07:06

Tgt Ion: 96 Resp: 1428743

Ion	Ratio	Lower	Upper
96	100		
61	119.0	78.0	144.9
68	0.0	0.0	0.0





#30

1,1,1-Trichloroethane

Concen: 264.735 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VV029635.D

Acq: 13 Dec 2022 07:06

Instrument :

MSVOA_V

ClientSampleId :

EXZ74

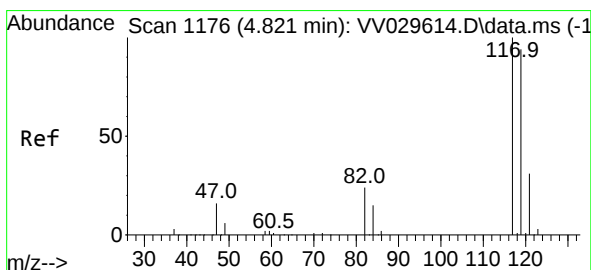
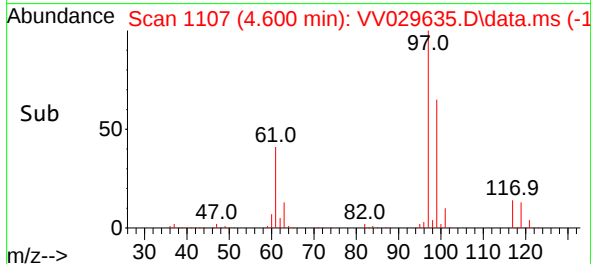
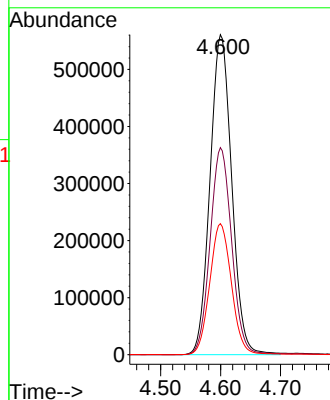
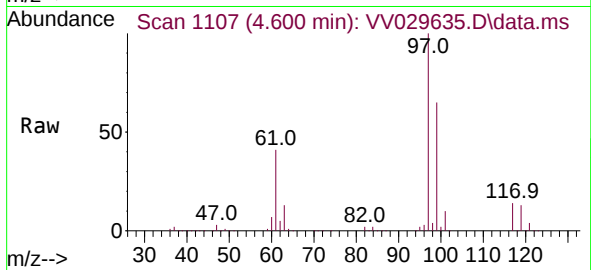
Tgt Ion: 97 Resp: 1409837

Ion Ratio Lower Upper

97 100

99 64.4 52.1 78.1

61 40.9 31.8 47.8



#31

Carbon tetrachloride

Concen: 41.240 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.222 min

Lab File: VV029635.D

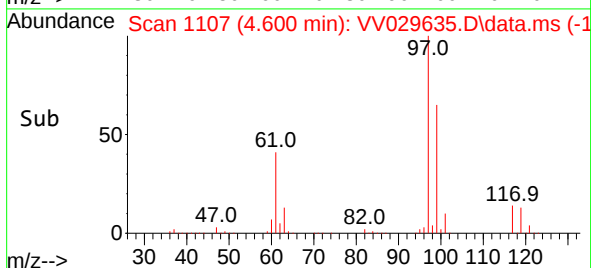
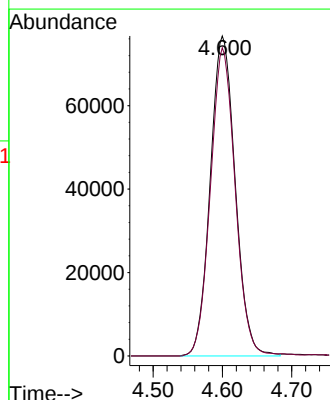
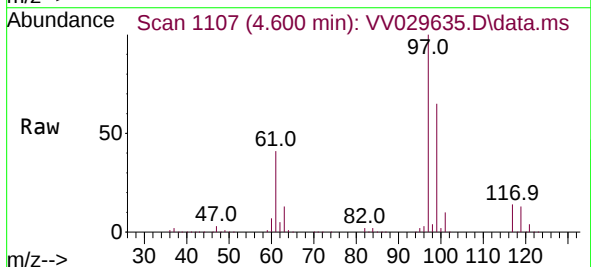
Acq: 13 Dec 2022 07:06

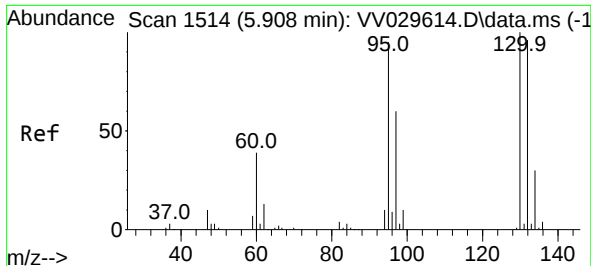
Tgt Ion: 117 Resp: 191785

Ion Ratio Lower Upper

117 100

119 95.4 76.7 115.1



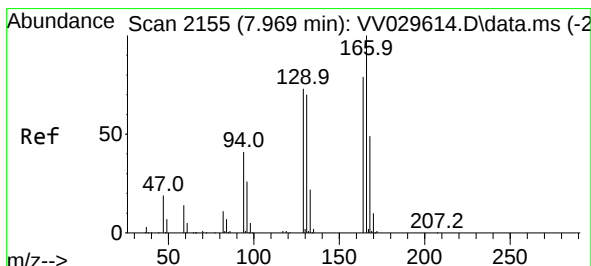
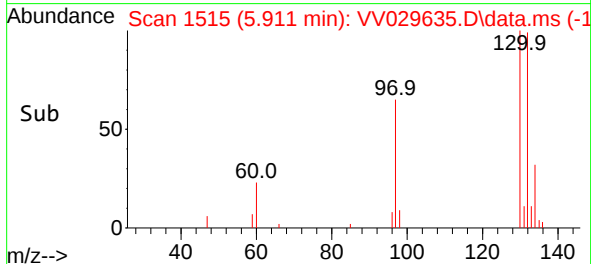
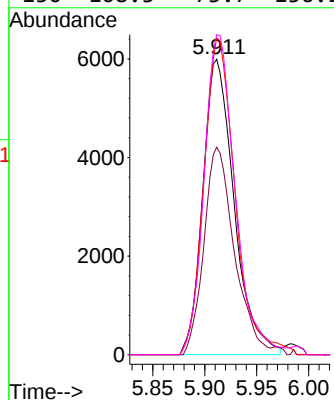
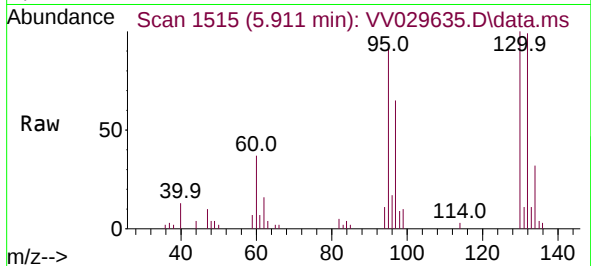


#34
Trichloroethene
Concen: 3.632 ug/L
RT: 5.911 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029635.D
Acq: 13 Dec 2022 07:06

Instrument :
MSVOA_V
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Tgt Ion: 95 Resp: 12540

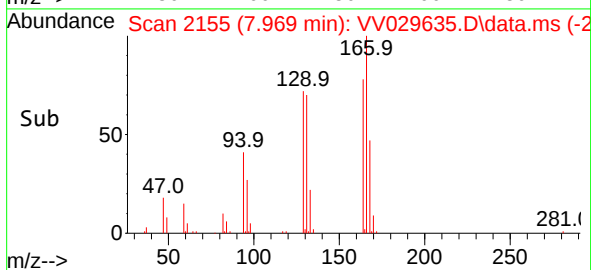
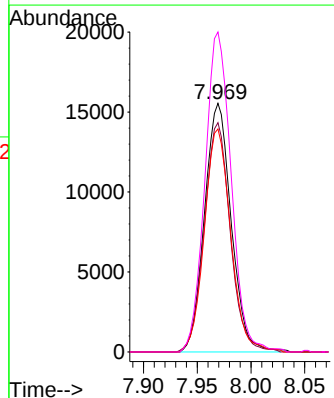
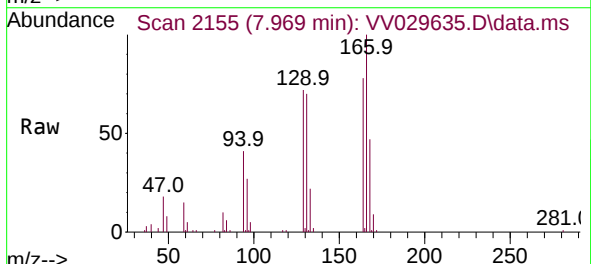
Ion	Ratio	Lower	Upper
95	100		
97	70.2	44.0	81.8
132	107.2	69.9	129.9
130	108.3	73.7	136.9

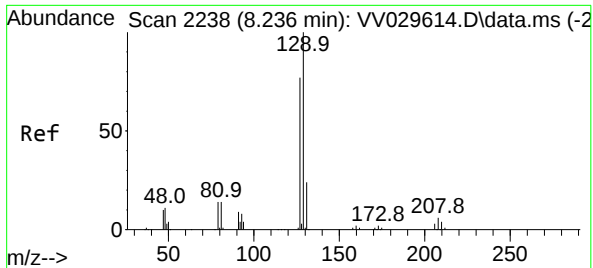


#46
Tetrachloroethene
Concen: 9.687 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VV029635.D
Acq: 13 Dec 2022 07:06

Tgt Ion: 164 Resp: 26888

Ion	Ratio	Lower	Upper
164	100		
129	92.2	65.3	121.3
131	89.7	63.1	117.1
166	128.7	90.8	168.6





#49
 Dibromochloromethane
 Concen: 6.266 ug/L
 RT: 7.969 min Scan# 21
 Delta R.T. -0.267 min
 Lab File: VV029635.D
 Acq: 13 Dec 2022 07:06

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ74

Tgt Ion:129 Resp: 23766
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.2 102.4#

