

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121322\
 Data File : VW029649.D
 Acq On : 13 Dec 2022 14:27
 Operator : SY/MD
 Sample : N5928-19 10X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ80

Quant Time: Dec 13 22:52:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 22:49:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	499920	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	460264	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	243725	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	131554	42.973	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.940%
7) Chloroethane-d5	1.561	69	109546	46.928	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.860%
11) 1,1-Dichloroethene-d2	2.105	63	174724	36.593	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.180%
21) 2-Butanone-d5	3.870	46	156737	83.930	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.930%
24) Chloroform-d	4.339	84	235149	40.819	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.640%
26) 1,2-Dichloroethane-d4	5.024	65	139979	42.544	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.080%
32) Benzene-d6	5.043	84	512104	42.108	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.220%
36) 1,2-Dichloropropane-d6	6.063	67	156832	42.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.440%
41) Toluene-d8	7.307	98	464866	40.568	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.140%
43) trans-1,3-Dichloroprop...	7.612	79	66601	35.504	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.000%
47) 2-Hexanone-d5	8.082	63	130210	82.083	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.080%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	218133	41.091	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.180%
66) 1,2-Dichlorobenzene-d4	11.612	152	189493	40.843	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.680%

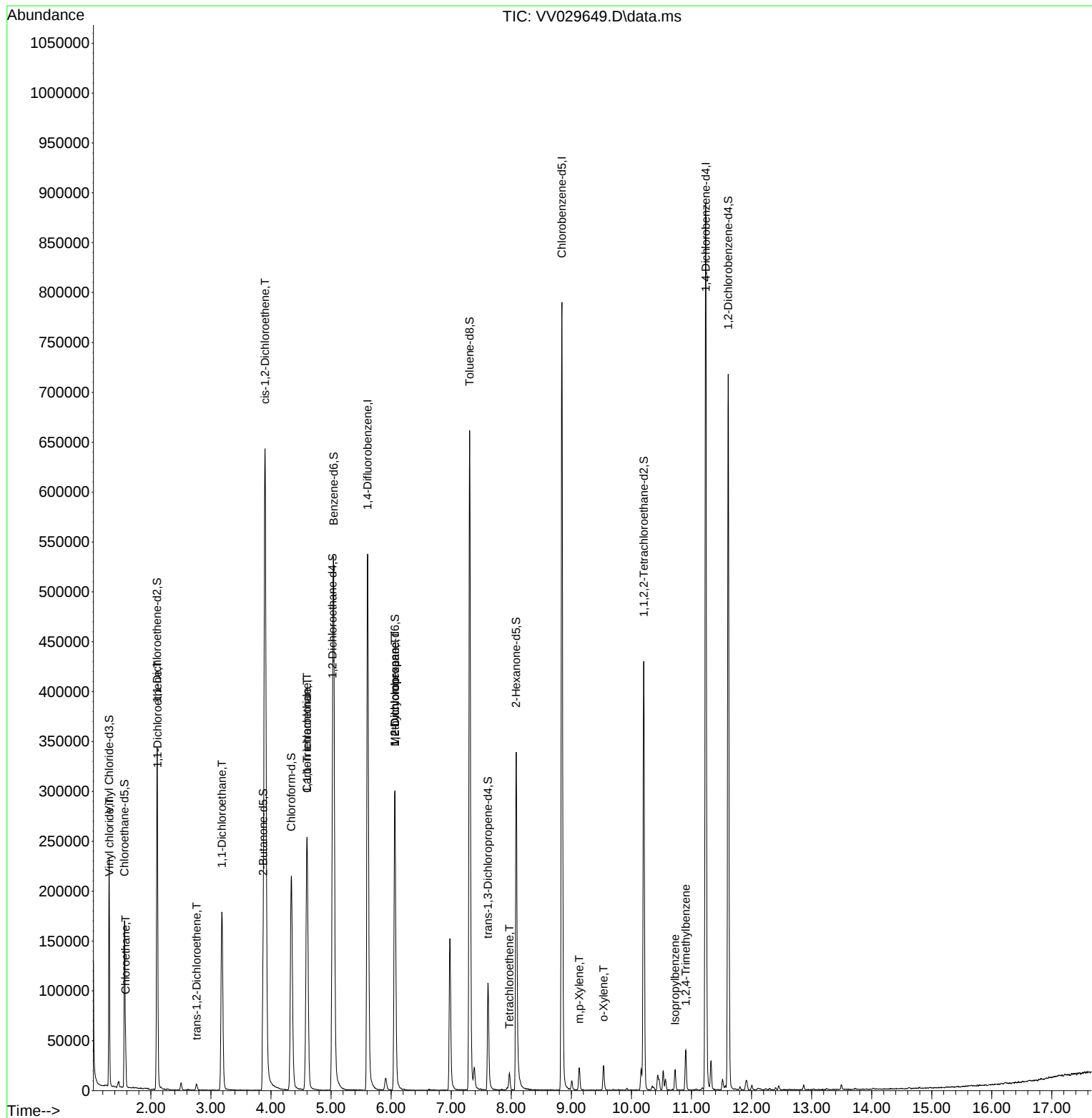
Target Compounds					Qvalue	
5) Vinyl chloride	1.310	62	16011	4.262	ug/L	87
8) Chloroethane	1.581	64	22049	10.541	ug/L	98
12) 1,1-Dichloroethene	2.111	96	6063	2.269	ug/L #	1
17) trans-1,2-Dichloroethene	2.761	96	2649	0.860	ug/L	93
19) 1,1-Dichloroethane	3.182	63	186624	35.381	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	372431	110.001	ug/L	93
30) 1,1,1-Trichloroethane	4.600	97	212872	42.451	ug/L	99
31) Carbon tetrachloride	4.600	117	28925	6.605	ug/L	98
35) Methylcyclohexane	6.063	83	37356	6.766	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	16210	5.177	ug/L #	85
46) Tetrachloroethene	7.969	164	4001	1.531	ug/L	97
53) m,p-Xylene	9.133	106	7217	1.242	ug/L	95
54) o-Xylene	9.535	106	7252	1.262	ug/L	93
60) Isopropylbenzene	10.728	105	13512	0.944	ug/L	93
63) 1,2,4-Trimethylbenzene	10.905	105	23093	1.841	ug/L	98

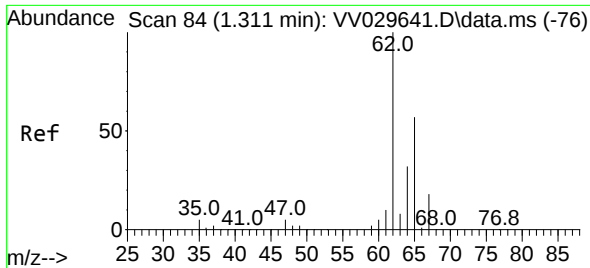
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121322\
Data File : VV029649.D
Acq On : 13 Dec 2022 14:27
Operator : SY/MD
Sample : N5928-19 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXZ80

Quant Time: Dec 13 22:52:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 13 22:49:59 2022
Response via : Initial Calibration

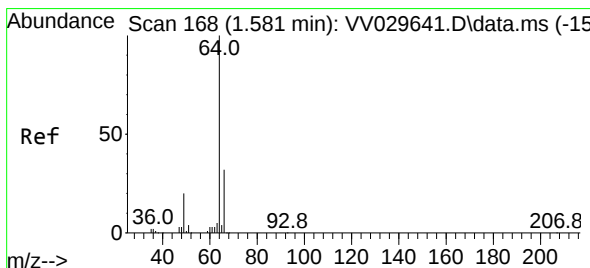
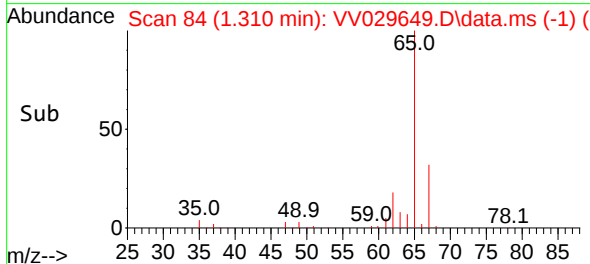
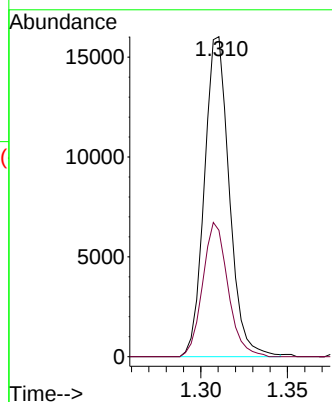
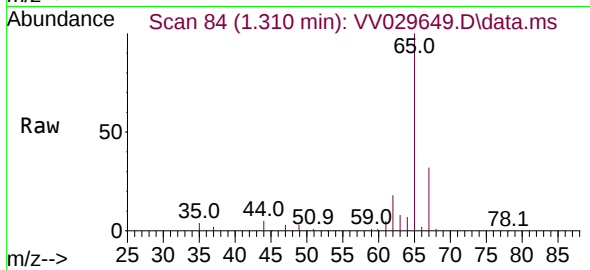




#5
 Vinyl chloride
 Concen: 4.262 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029649.D
 Acq: 13 Dec 2022 14:27

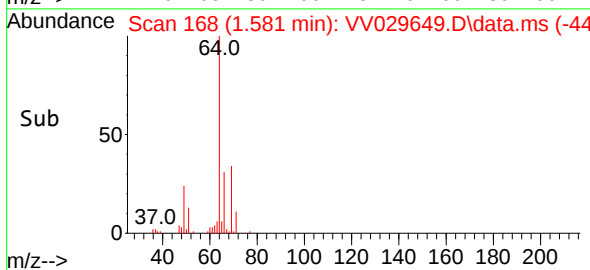
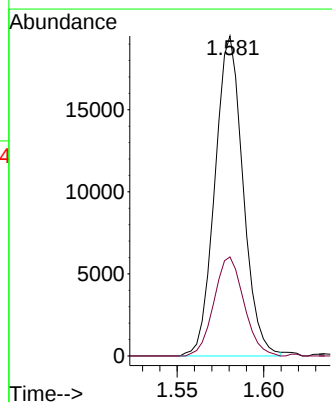
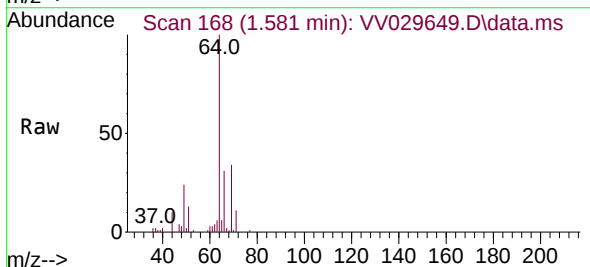
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ80

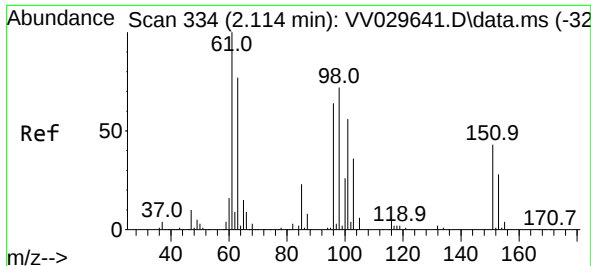
Tgt Ion: 62 Resp: 16011
 Ion Ratio Lower Upper
 62 100
 64 39.5 22.5 41.9



#8
 Chloroethane
 Concen: 10.541 ug/L
 RT: 1.581 min Scan# 168
 Delta R.T. -0.000 min
 Lab File: VV029649.D
 Acq: 13 Dec 2022 14:27

Tgt Ion: 64 Resp: 22049
 Ion Ratio Lower Upper
 64 100
 66 30.9 22.5 41.9





#12

1,1-Dichloroethene

Concen: 2.269 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV029649.D

Acq: 13 Dec 2022 14:27

Instrument :

MSVOA_V

ClientSampleId :

EXZ80

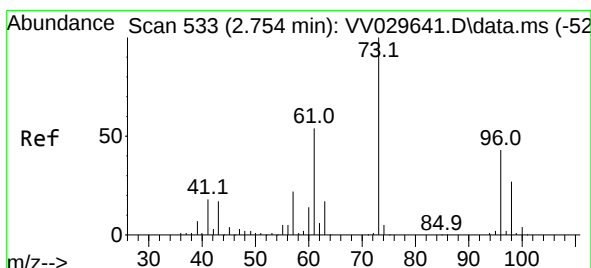
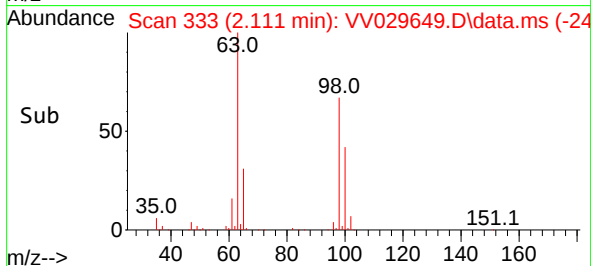
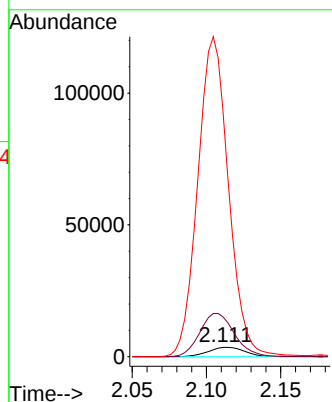
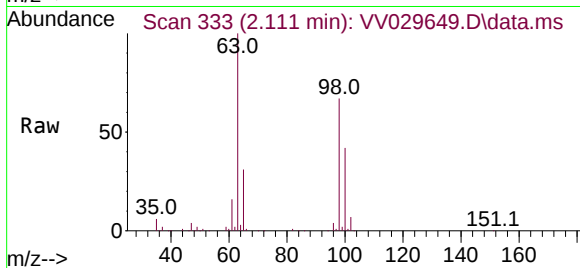
Tgt Ion: 96 Resp: 6063

Ion Ratio Lower Upper

96 100

61 427.5 103.3 191.9#

63 2641.4 77.3 143.7#



#17

trans-1,2-Dichloroethene

Concen: 0.860 ug/L

RT: 2.761 min Scan# 535

Delta R.T. 0.006 min

Lab File: VV029649.D

Acq: 13 Dec 2022 14:27

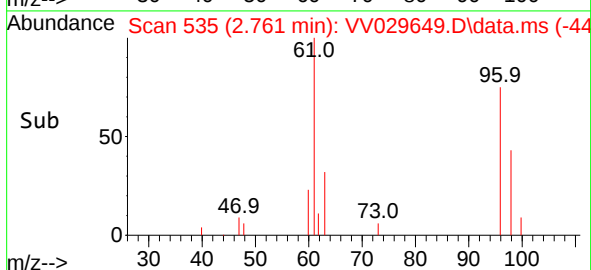
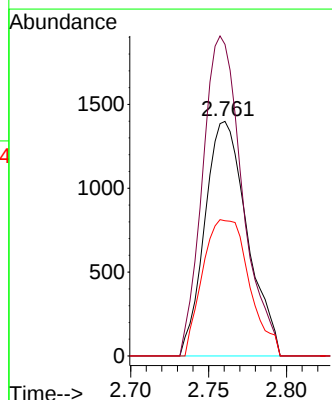
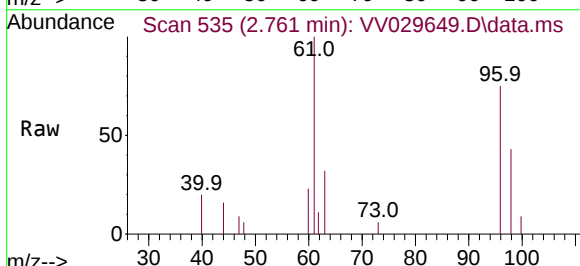
Tgt Ion: 96 Resp: 2649

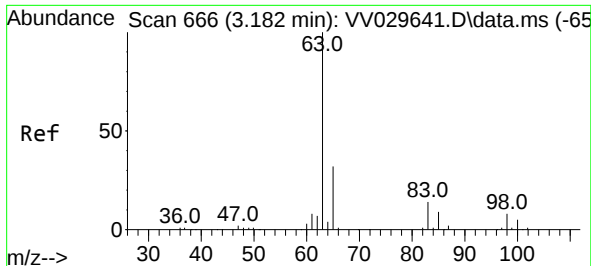
Ion Ratio Lower Upper

96 100

61 132.7 86.4 160.4

98 57.6 43.4 80.6





#19

1,1-Dichloroethane

Concen: 35.381 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV029649.D

Acq: 13 Dec 2022 14:27

Instrument :

MSVOA_V

ClientSampleId :

EXZ80

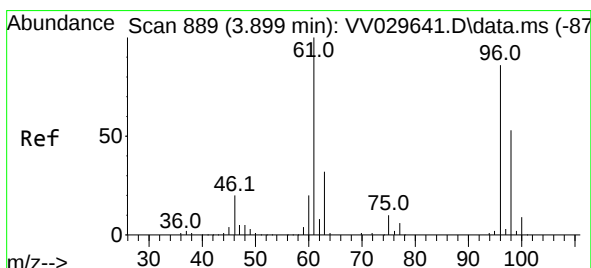
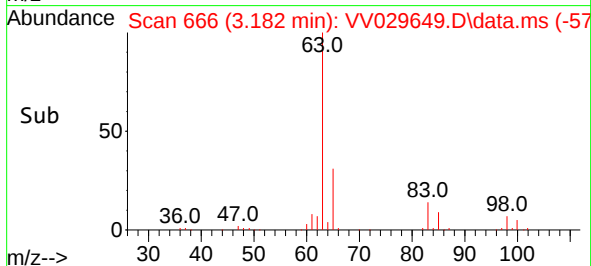
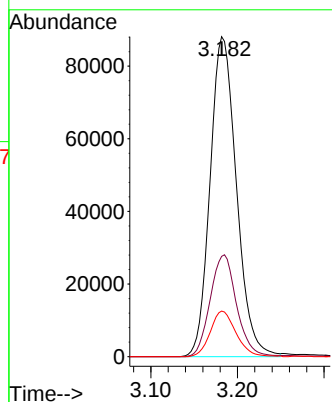
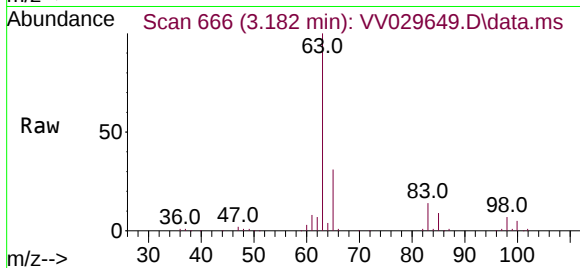
Tgt Ion: 63 Resp: 186624

Ion Ratio Lower Upper

63 100

65 31.4 22.5 41.7

83 14.2 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 110.001 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.003 min

Lab File: VV029649.D

Acq: 13 Dec 2022 14:27

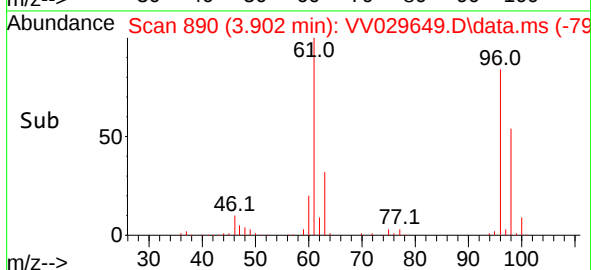
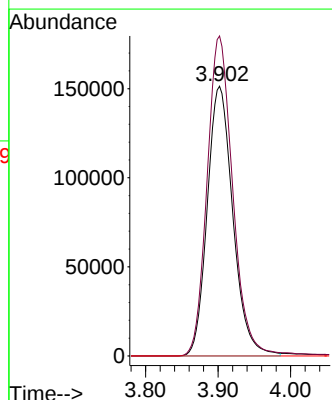
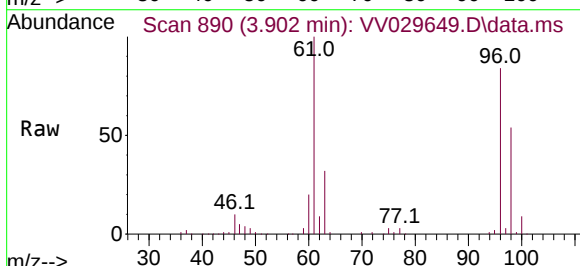
Tgt Ion: 96 Resp: 372431

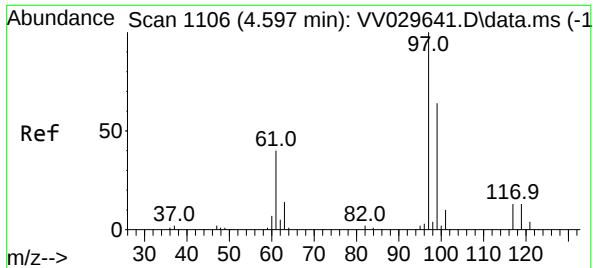
Ion Ratio Lower Upper

96 100

61 118.6 78.0 144.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 42.451 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV029649.D

Acq: 13 Dec 2022 14:27

Instrument :

MSVOA_V

ClientSampleId :

EXZ80

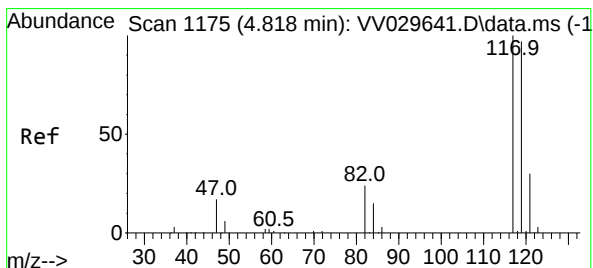
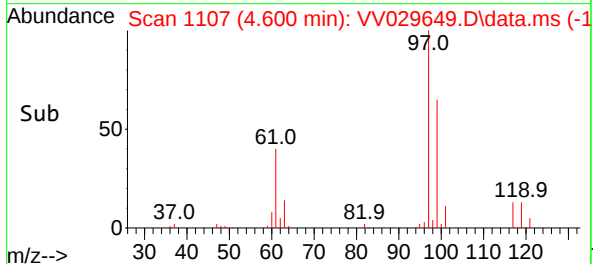
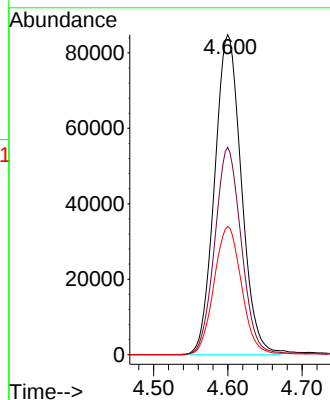
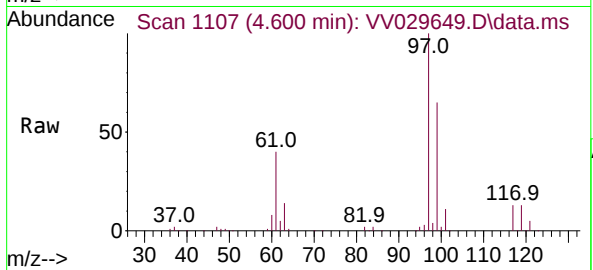
Tgt Ion: 97 Resp: 212872

Ion Ratio Lower Upper

97 100

99 64.4 52.1 78.1

61 41.1 31.8 47.8



#31

Carbon tetrachloride

Concen: 6.605 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.219 min

Lab File: VV029649.D

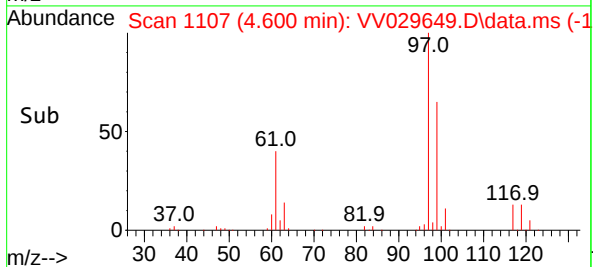
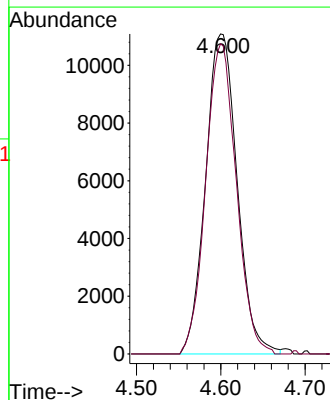
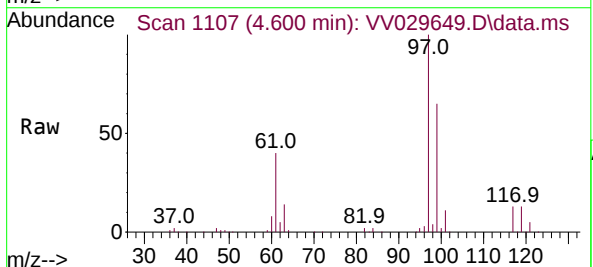
Acq: 13 Dec 2022 14:27

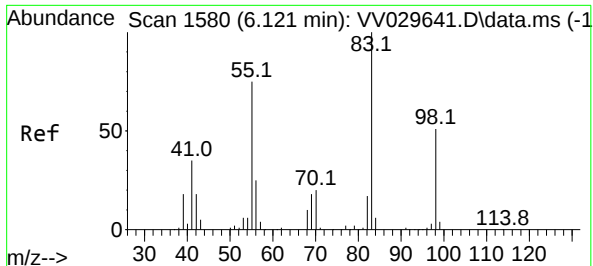
Tgt Ion: 117 Resp: 28925

Ion Ratio Lower Upper

117 100

119 93.9 76.7 115.1





#35

Methylcyclohexane

Concen: 6.766 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.058 min

Lab File: VV029649.D

Acq: 13 Dec 2022 14:27

Instrument :

MSVOA_V

ClientSampleId :

EXZ80

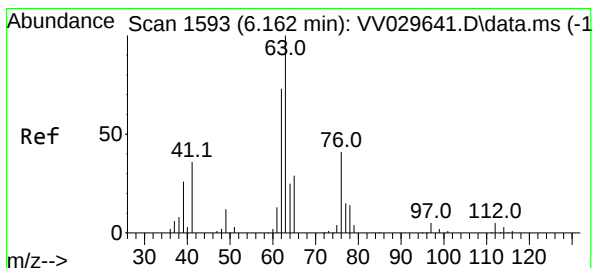
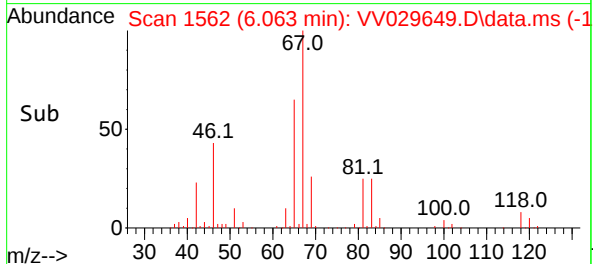
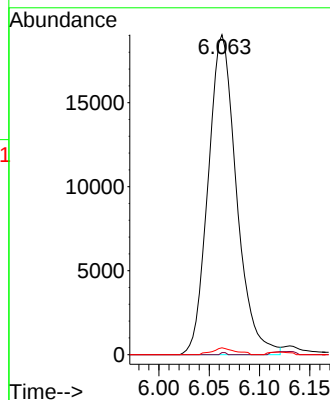
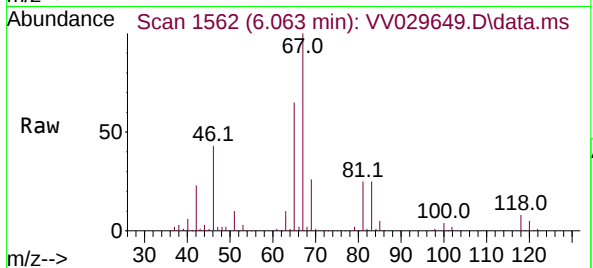
Tgt Ion: 83 Resp: 37356

Ion Ratio Lower Upper

83 100

55 0.1 55.5 83.3#

98 1.7 39.8 59.8#



#37

1,2-Dichloropropane

Concen: 5.177 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.100 min

Lab File: VV029649.D

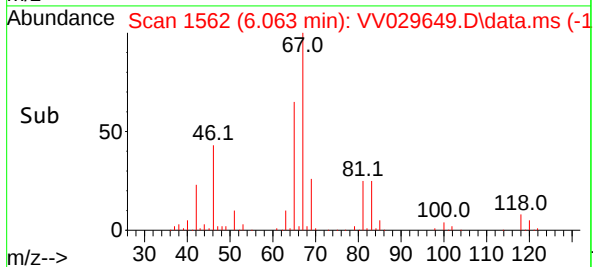
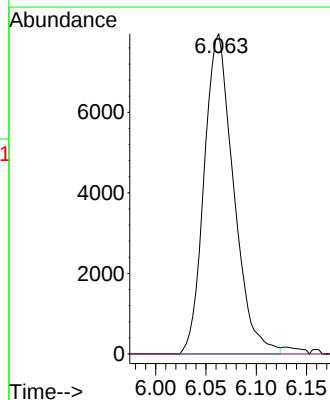
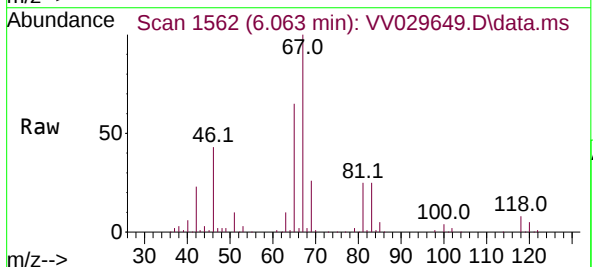
Acq: 13 Dec 2022 14:27

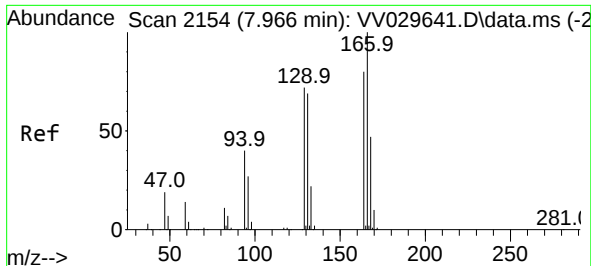
Tgt Ion: 63 Resp: 16210

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#





#46

Tetrachloroethene

Concen: 1.531 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

Lab File: VV029649.D

Acq: 13 Dec 2022 14:27

Instrument :

MSVOA_V

ClientSampleId :

EXZ80

Tgt Ion:164 Resp: 4001

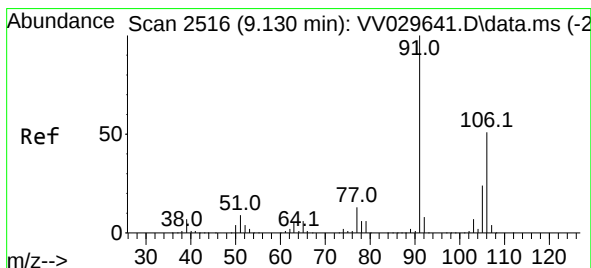
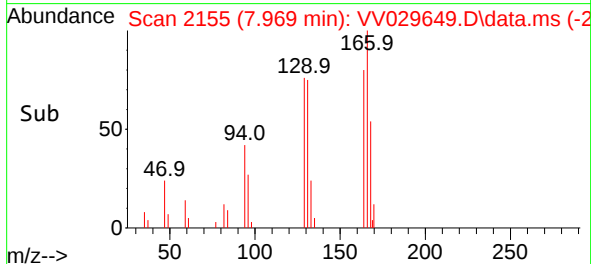
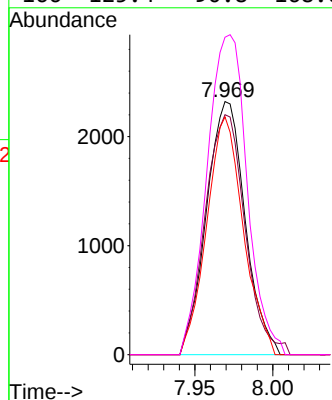
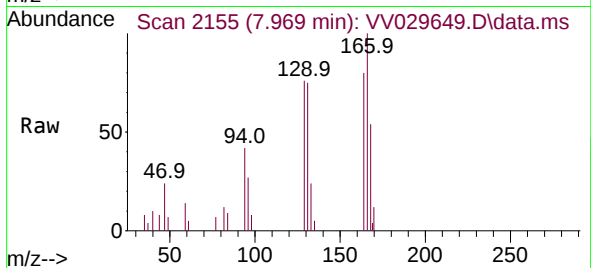
Ion Ratio Lower Upper

164 100

129 94.8 65.3 121.3

131 93.9 63.1 117.1

166 125.4 90.8 168.6



#53

m,p-Xylene

Concen: 1.242 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.003 min

Lab File: VV029649.D

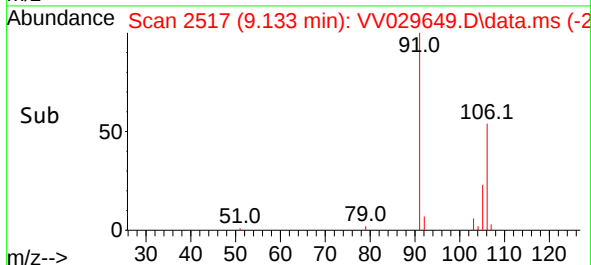
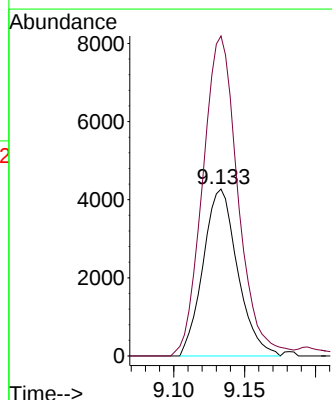
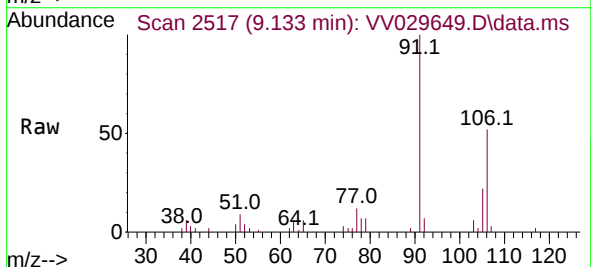
Acq: 13 Dec 2022 14:27

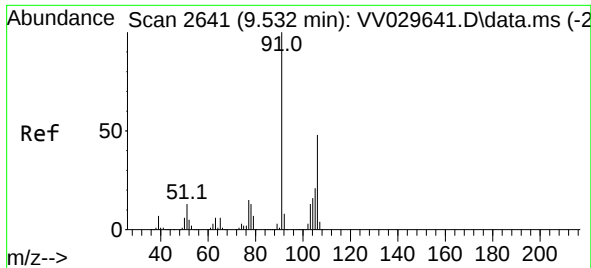
Tgt Ion:106 Resp: 7217

Ion Ratio Lower Upper

106 100

91 191.7 139.5 259.1

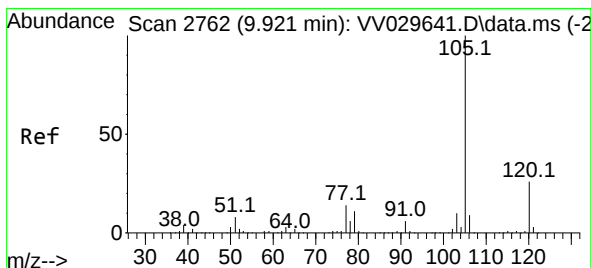
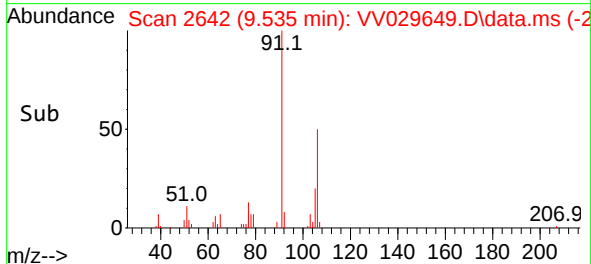
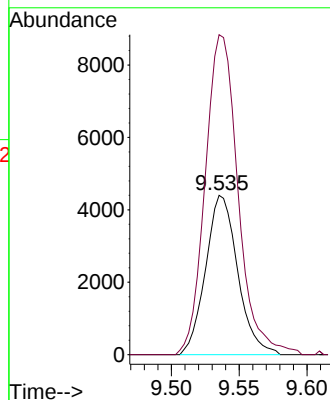
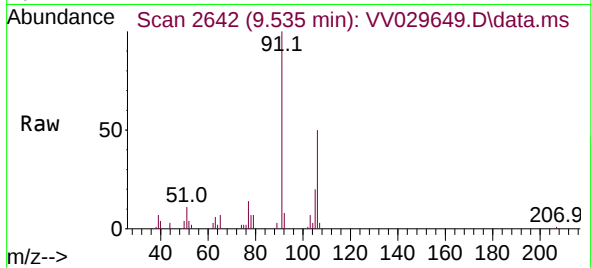




#54
o-Xylene
Concen: 1.262 ug/L
RT: 9.535 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV029649.D
Acq: 13 Dec 2022 14:27

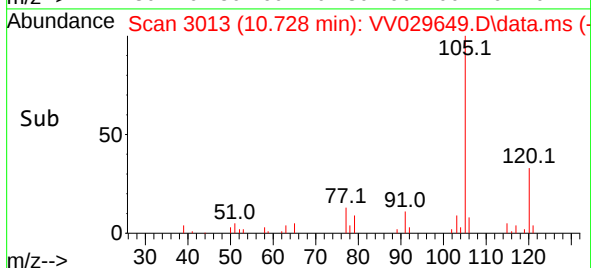
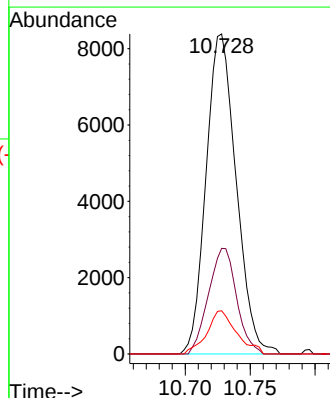
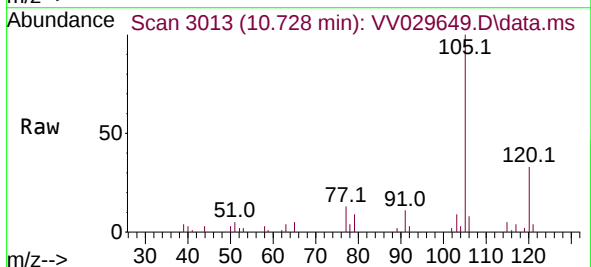
Instrument :
MSVOA_V
ClientSampleId :
EXZ80

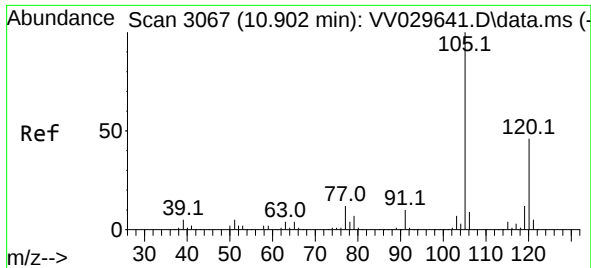
Tgt Ion:106 Resp: 7252
Ion Ratio Lower Upper
106 100
91 200.8 148.0 274.8



#60
Isopropylbenzene
Concen: 0.944 ug/L
RT: 10.728 min Scan# 3013
Delta R.T. 0.807 min
Lab File: VV029649.D
Acq: 13 Dec 2022 14:27

Tgt Ion:105 Resp: 13512
Ion Ratio Lower Upper
105 100
120 30.8 21.1 31.7
77 12.6 11.6 17.4





#63
 1,2,4-Trimethylbenzene
 Concen: 1.841 ug/L
 RT: 10.905 min Scan# 3068
 Delta R.T. 0.003 min
 Lab File: VV029649.D
 Acq: 13 Dec 2022 14:27

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ80

Tgt Ion:105 Resp: 23093
 Ion Ratio Lower Upper
 105 100
 120 47.2 36.7 55.1

