

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VW029627.D
 Acq On : 13 Dec 2022 03:59
 Operator : SY/MD
 Sample : N5928-04DL 5X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ67DL

Quant Time: Dec 13 05:27:06 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

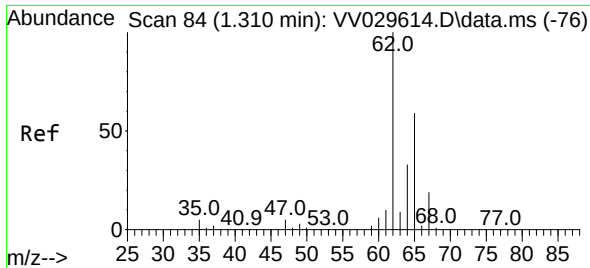
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	500685	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	465585	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	235544	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	140413	45.797	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.600%
7) Chloroethane-d5	1.565	69	114992	49.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.380%
11) 1,1-Dichloroethene-d2	2.105	63	181500	37.954	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.900%
21) 2-Butanone-d5	3.873	46	171245	91.559	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.560%
24) Chloroform-d	4.339	84	245607	42.569	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.140%
26) 1,2-Dichloroethane-d4	5.024	65	146080	44.331	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.660%
32) Benzene-d6	5.043	84	534218	43.424	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.840%
36) 1,2-Dichloropropane-d6	6.063	67	164502	43.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.560%
41) Toluene-d8	7.307	98	480921	41.489	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.980%
43) trans-1,3-Dichloroprop...	7.612	79	66814	35.211	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.420%
47) 2-Hexanone-d5	8.085	63	140033	87.266	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.270%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	224204	41.752	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.500%
66) 1,2-Dichlorobenzene-d4	11.612	152	186742	41.648	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.300%
Target Compounds						Qvalue
5) Vinyl chloride	1.311	62	49317	13.109	ug/L	95
8) Chloroethane	1.581	64	170310	81.300	ug/L	97
12) 1,1-Dichloroethene	2.114	96	4522	1.690	ug/L #	1
17) trans-1,2-Dichloroethene	2.757	96	4594	1.490	ug/L	95
19) 1,1-Dichloroethane	3.182	63	417721	79.072	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	207775	61.275	ug/L	95
30) 1,1,1-Trichloroethane	4.600	97	155331	30.622	ug/L	99
31) Carbon tetrachloride	4.603	117	21377	4.826	ug/L	100
42) Toluene	7.384	91	66161	4.684	ug/L	98
46) Tetrachloroethene	7.969	164	7602	2.875	ug/L	93
49) Dibromochloromethane	7.966	129	6768	1.873	ug/L #	10
52) Ethylbenzene	9.008	91	19665	1.324	ug/L	96
53) m,p-Xylene	9.130	106	17633	3.000	ug/L	92
54) o-Xylene	9.538	106	10736	1.847	ug/L	90
63) 1,2,4-Trimethylbenzene	10.905	105	41279	3.406	ug/L	98

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

Quant Time: Dec 13 05:27:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
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QLast Update : Tue Dec 13 04:57:44 2022
Response via : Initial Calibration

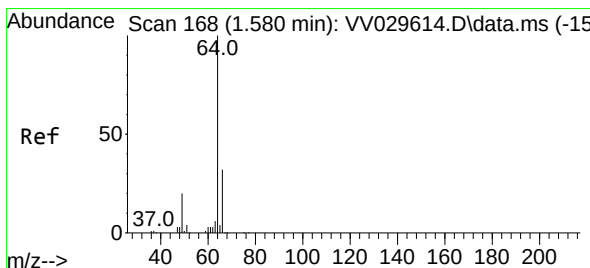
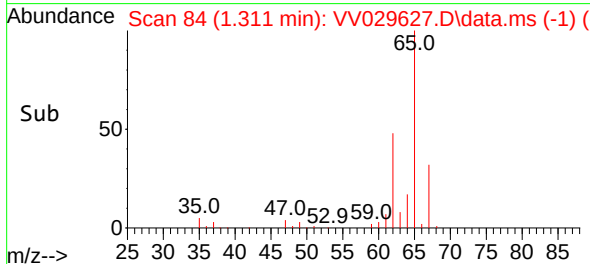
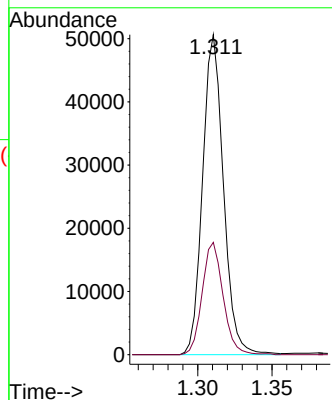
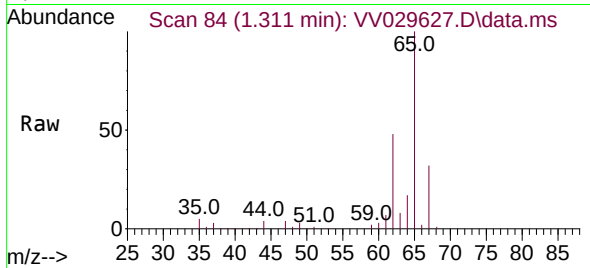




#5
 Vinyl chloride
 Concen: 13.109 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029627.D
 Acq: 13 Dec 2022 03:59

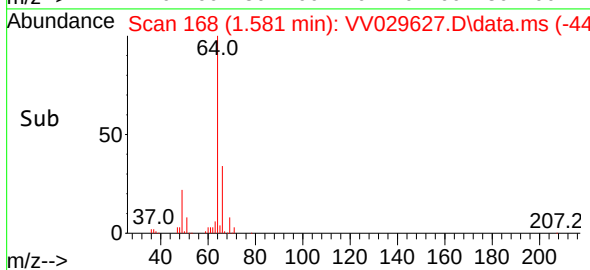
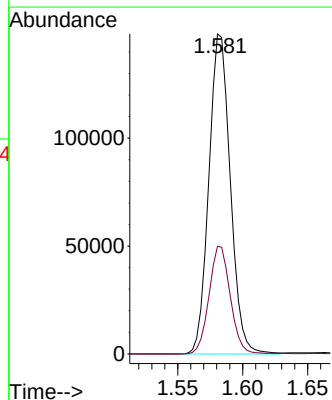
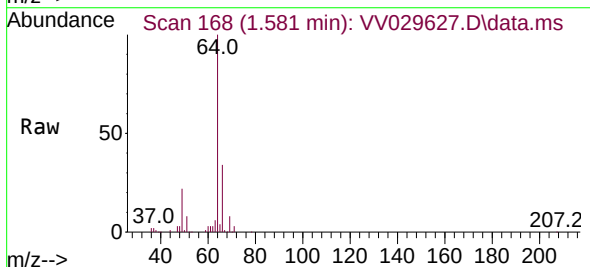
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ67DL

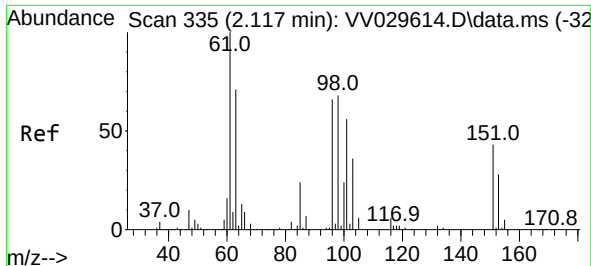
Tgt Ion: 62 Resp: 49317
 Ion Ratio Lower Upper
 62 100
 64 35.1 22.5 41.9



#8
 Chloroethane
 Concen: 81.300 ug/L
 RT: 1.581 min Scan# 168
 Delta R.T. 0.000 min
 Lab File: VV029627.D
 Acq: 13 Dec 2022 03:59

Tgt Ion: 64 Resp: 170310
 Ion Ratio Lower Upper
 64 100
 66 33.7 22.5 41.9





#12

1,1-Dichloroethene

Concen: 1.690 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV029627.D

Acq: 13 Dec 2022 03:59

Instrument :

MSVOA_V

ClientSampleId :

EXZ67DL

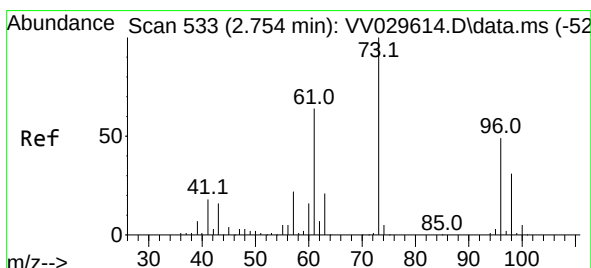
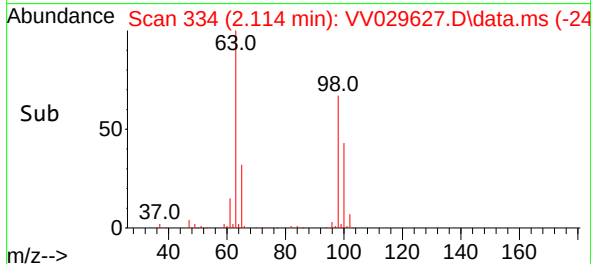
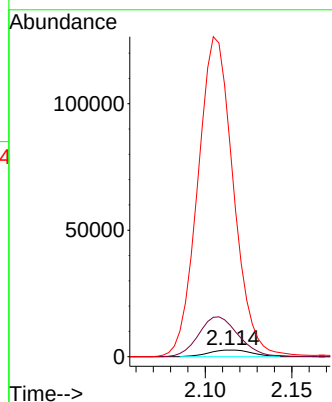
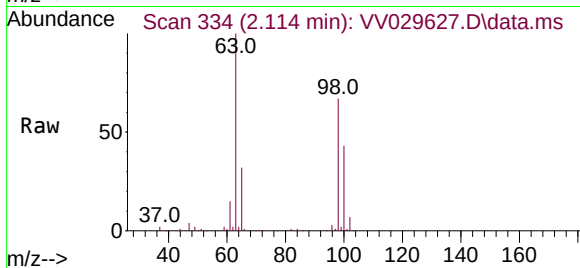
Tgt Ion: 96 Resp: 4522

Ion Ratio Lower Upper

96 100

61 477.0 103.3 191.9#

63 3188.0 77.3 143.7#



#17

trans-1,2-Dichloroethene

Concen: 1.490 ug/L

RT: 2.757 min Scan# 534

Delta R.T. 0.003 min

Lab File: VV029627.D

Acq: 13 Dec 2022 03:59

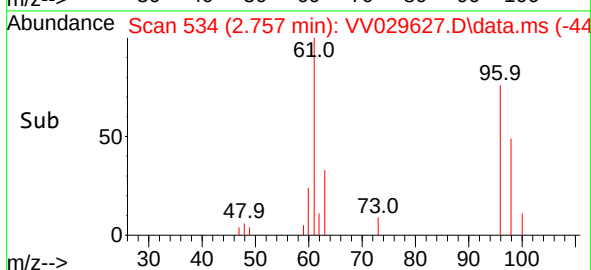
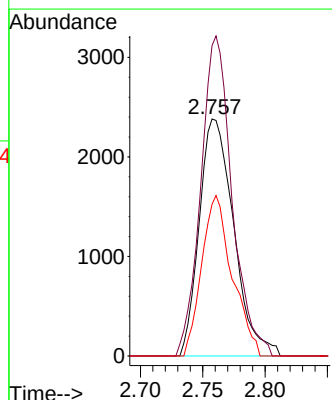
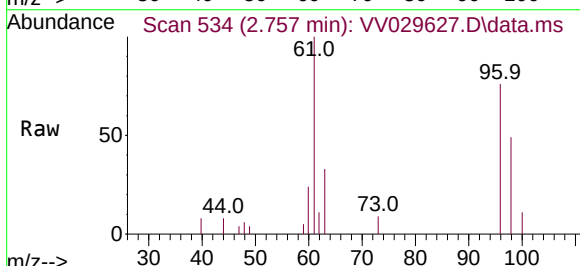
Tgt Ion: 96 Resp: 4594

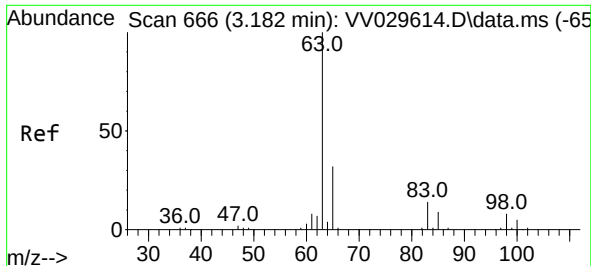
Ion Ratio Lower Upper

96 100

61 131.0 86.4 160.4

98 64.0 43.4 80.6





#19

1,1-Dichloroethane

Concen: 79.072 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV029627.D

Acq: 13 Dec 2022 03:59

Instrument :

MSVOA_V

ClientSampleId :

EXZ67DL

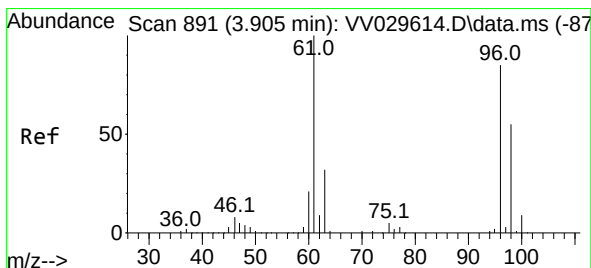
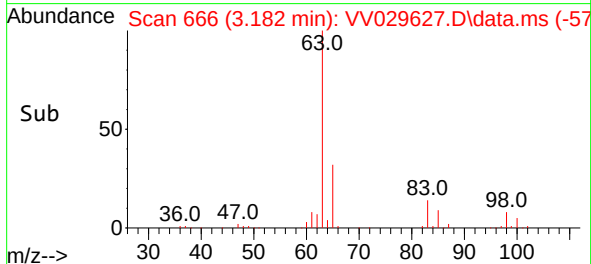
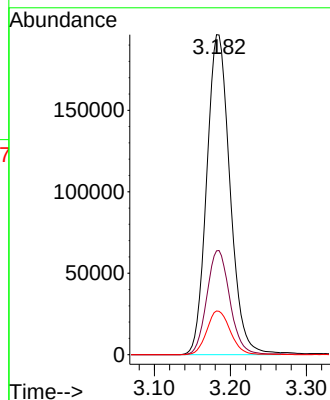
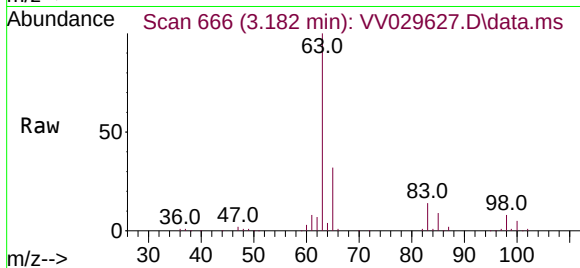
Tgt Ion: 63 Resp: 417721

Ion Ratio Lower Upper

63 100

65 32.4 22.5 41.7

83 13.7 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 61.275 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV029627.D

Acq: 13 Dec 2022 03:59

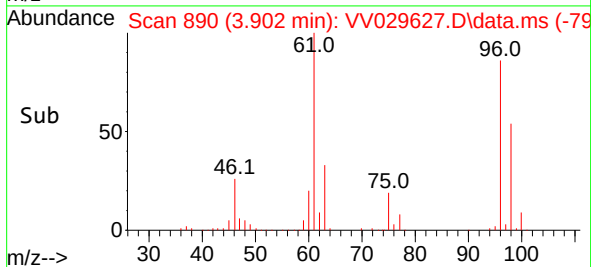
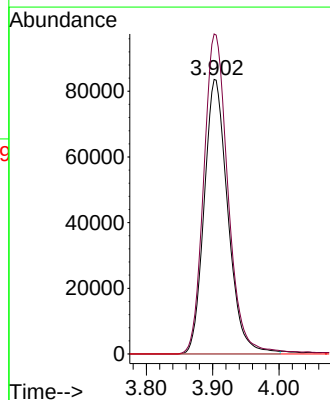
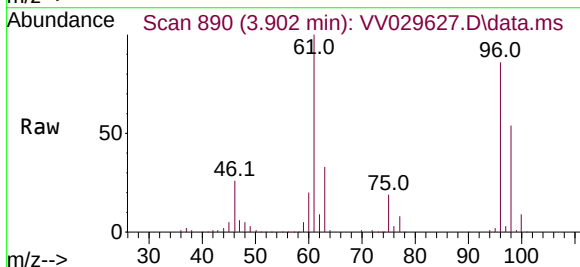
Tgt Ion: 96 Resp: 207775

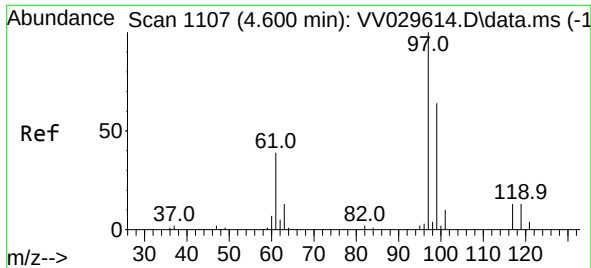
Ion Ratio Lower Upper

96 100

61 116.6 78.0 144.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 30.622 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VV029627.D

Acq: 13 Dec 2022 03:59

Instrument :

MSVOA_V

ClientSampleId :

EXZ67DL

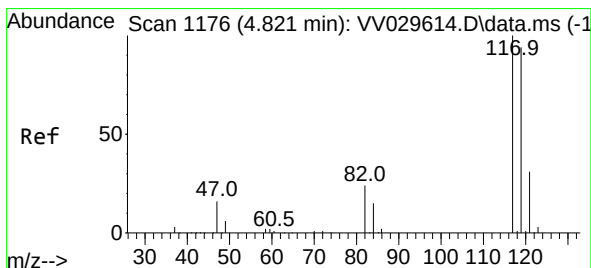
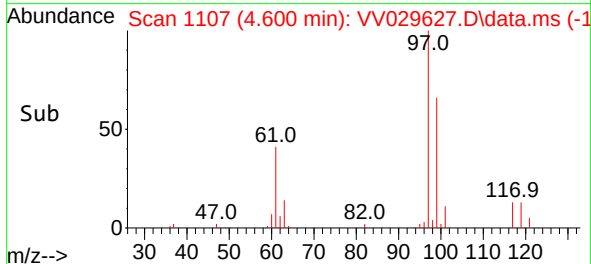
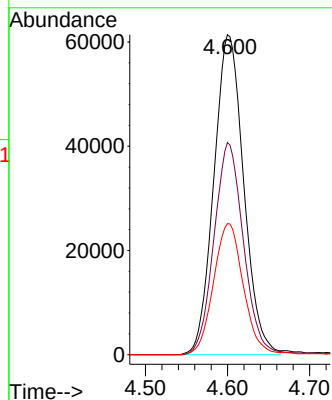
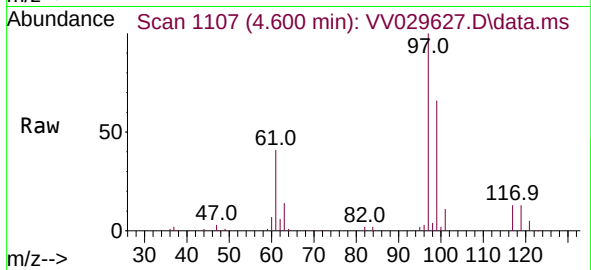
Tgt Ion: 97 Resp: 155331

Ion Ratio Lower Upper

97 100

99 65.3 52.1 78.1

61 40.8 31.8 47.8



#31

Carbon tetrachloride

Concen: 4.826 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.218 min

Lab File: VV029627.D

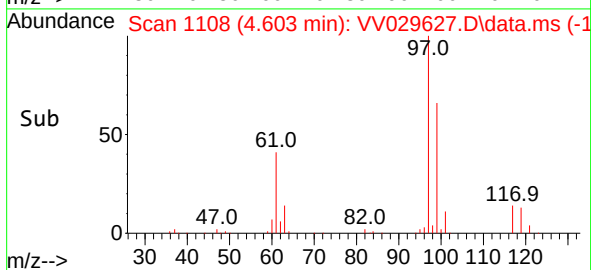
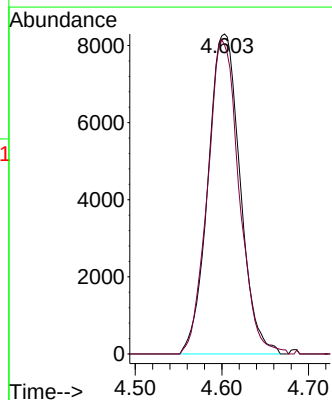
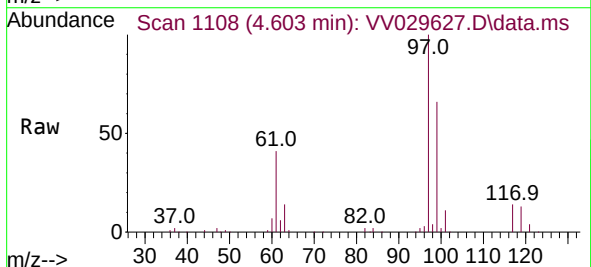
Acq: 13 Dec 2022 03:59

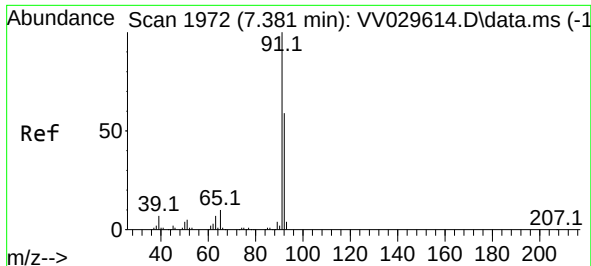
Tgt Ion: 117 Resp: 21377

Ion Ratio Lower Upper

117 100

119 96.4 76.7 115.1





#42

Toluene

Concen: 4.684 ug/L

RT: 7.384 min Scan# 1972

Delta R.T. 0.003 min

Lab File: VV029627.D

Acq: 13 Dec 2022 03:59

Instrument :

MSVOA_V

ClientSampleId :

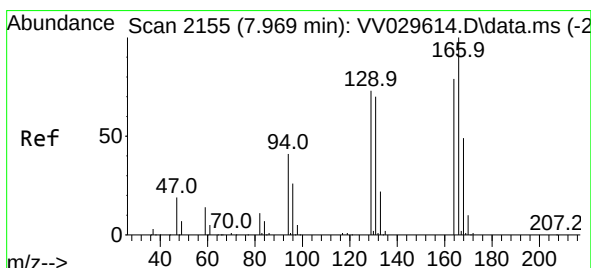
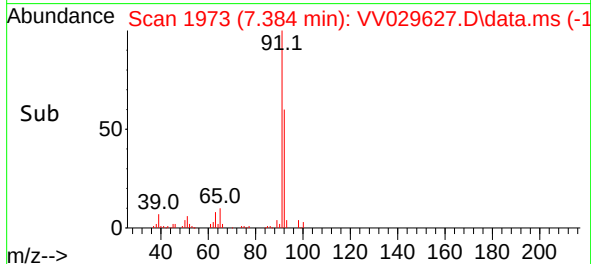
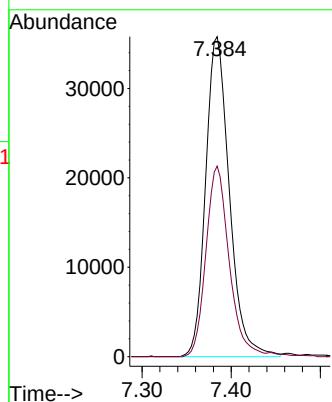
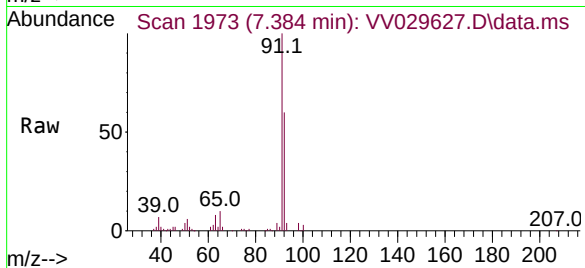
EXZ67DL

Tgt Ion: 91 Resp: 66161

Ion Ratio Lower Upper

91 100

92 59.6 40.6 75.4



#46

Tetrachloroethene

Concen: 2.875 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.000 min

Lab File: VV029627.D

Acq: 13 Dec 2022 03:59

Tgt Ion: 164 Resp: 7602

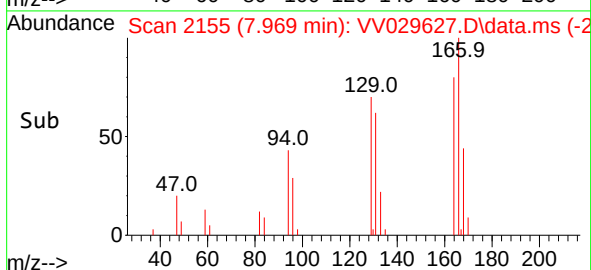
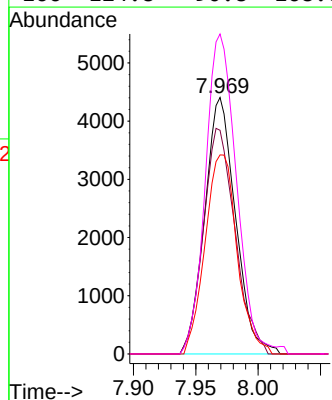
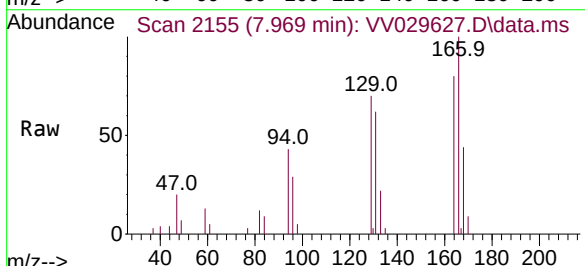
Ion Ratio Lower Upper

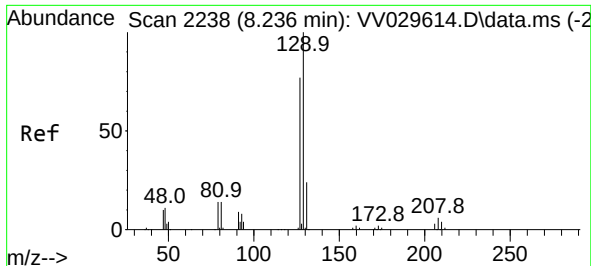
164 100

129 87.2 65.3 121.3

131 77.6 63.1 117.1

166 124.8 90.8 168.6





#49

Dibromochloromethane

Concen: 1.873 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.270 min

Lab File: VV029627.D

Acq: 13 Dec 2022 03:59

Instrument :

MSVOA_V

ClientSampleId :

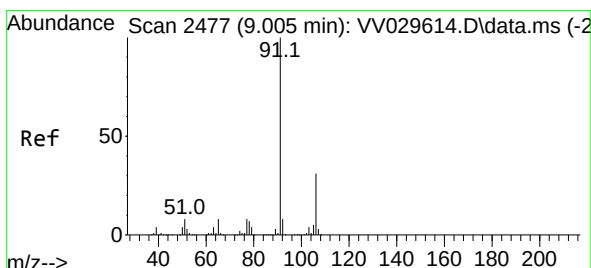
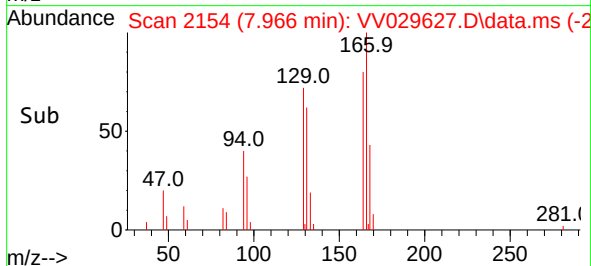
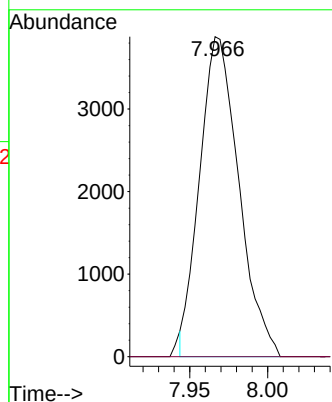
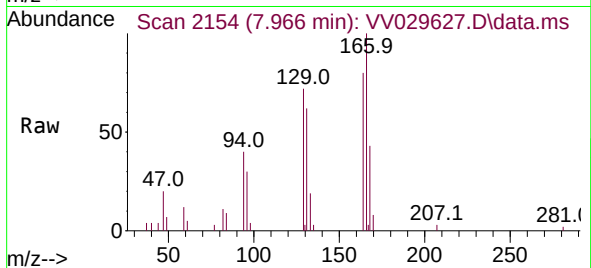
EXZ67DL

Tgt Ion:129 Resp: 6768

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.4#



#52

Ethylbenzene

Concen: 1.324 ug/L

RT: 9.008 min Scan# 2478

Delta R.T. 0.003 min

Lab File: VV029627.D

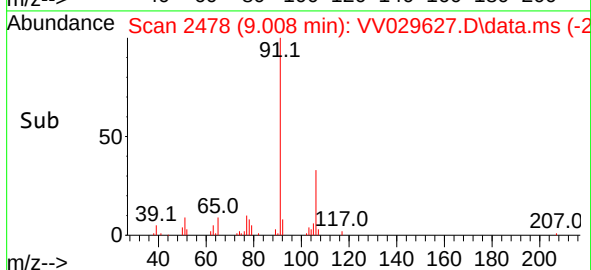
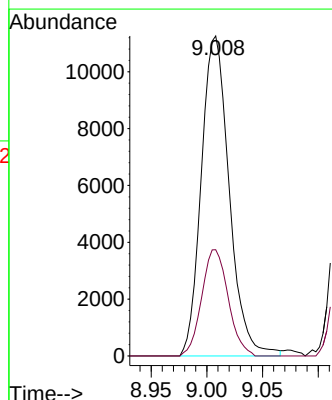
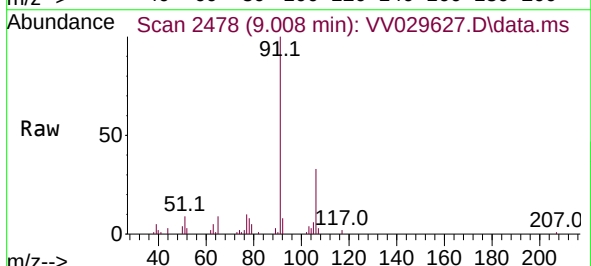
Acq: 13 Dec 2022 03:59

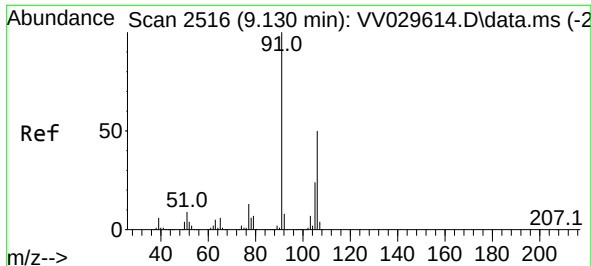
Tgt Ion: 91 Resp: 19665

Ion Ratio Lower Upper

91 100

106 33.2 21.8 40.6

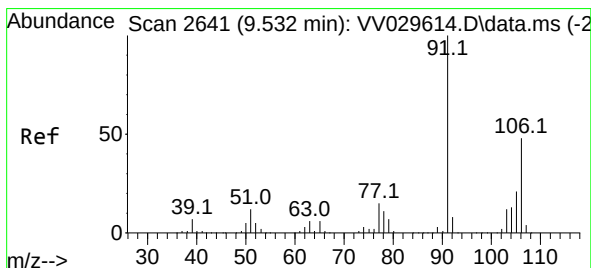
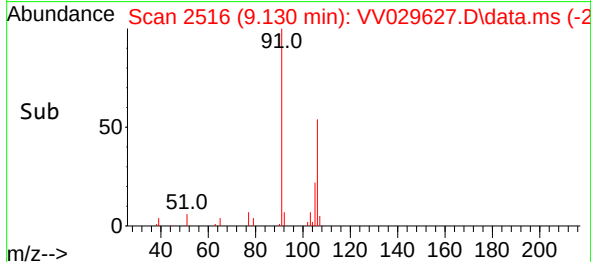
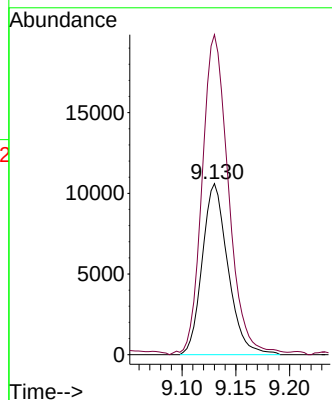
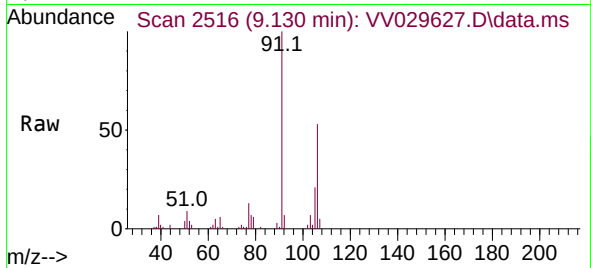




#53
m,p-Xylene
Concen: 3.000 ug/L
RT: 9.130 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029627.D
Acq: 13 Dec 2022 03:59

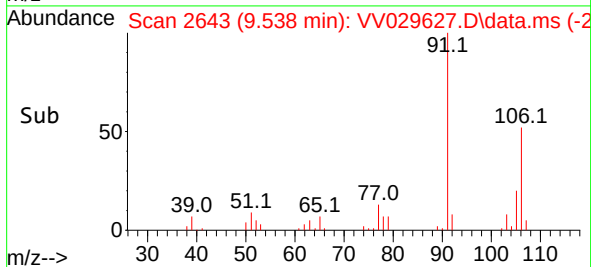
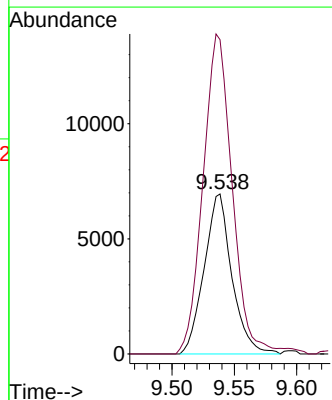
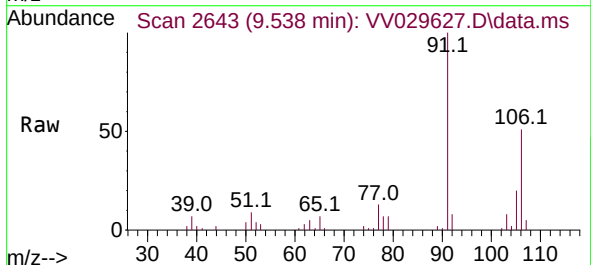
Instrument :
MSVOA_V
ClientSampleId :
EXZ67DL

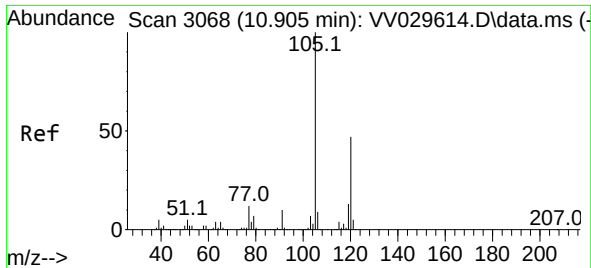
Tgt Ion:106 Resp: 17633
Ion Ratio Lower Upper
106 100
91 187.2 139.5 259.1



#54
o-Xylene
Concen: 1.847 ug/L
RT: 9.538 min Scan# 2643
Delta R.T. 0.007 min
Lab File: VV029627.D
Acq: 13 Dec 2022 03:59

Tgt Ion:106 Resp: 10736
Ion Ratio Lower Upper
106 100
91 196.4 148.0 274.8





#63

1,2,4-Trimethylbenzene

Concen: 3.406 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV029627.D

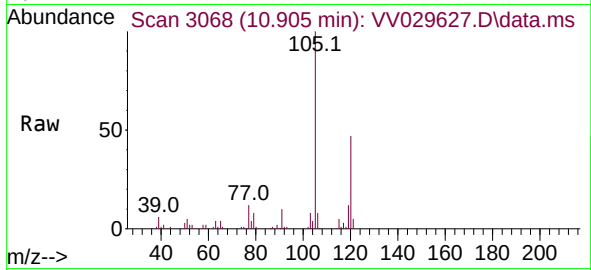
Acq: 13 Dec 2022 03:59

Instrument :

MSVOA_V

ClientSampleId :

EXZ67DL



Tgt Ion:105 Resp: 41279

Ion Ratio Lower Upper

105 100

120 47.0 36.7 55.1

