

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VW029632.D
 Acq On : 13 Dec 2022 05:56
 Operator : SY/MD
 Sample : N5928-17DL 10X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ78DL

Quant Time: Dec 13 06:55:00 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)

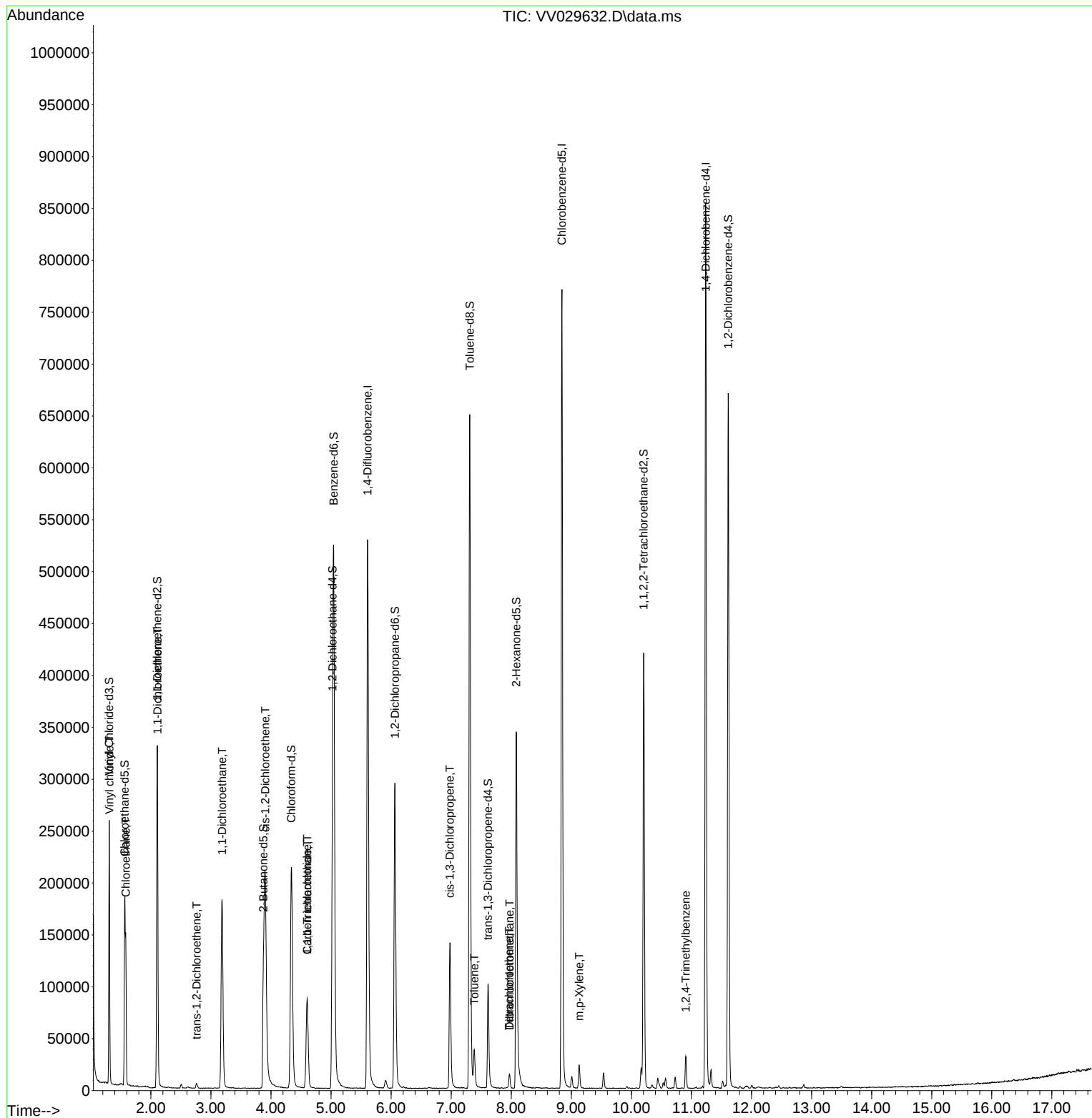
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	492446	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	446743	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	231603	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	138796	46.027	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	92.060%	
7) Chloroethane-d5	1.564	69	111727	48.589	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	97.180%	
11) 1,1-Dichloroethene-d2	2.108	63	171460	36.454	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	72.900%	
21) 2-Butanone-d5	3.873	46	164489	89.418	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	89.420%	
24) Chloroform-d	4.339	84	234244	41.279	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	82.560%	
26) 1,2-Dichloroethane-d4	5.024	65	139689	43.101	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	86.200%	
32) Benzene-d6	5.043	84	509231	43.139	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	86.280%	
36) 1,2-Dichloropropane-d6	6.063	67	152619	42.327	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	84.660%	
41) Toluene-d8	7.310	98	455138	40.921	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	81.840%	
43) trans-1,3-Dichloroprop...	7.612	79	62837	34.512	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	69.020%	
47) 2-Hexanone-d5	8.085	63	132040	85.756	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	85.760%	
56) 1,1,2,2-Tetrachloroeth...	10.204	84	211437	41.035	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	82.080%	
66) 1,2-Dichlorobenzene-d4	11.612	152	180062	40.841	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	81.680%	
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	22754	6.149	ug/L	93
8) Chloroethane	1.584	64	74862	36.334	ug/L	99
12) 1,1-Dichloroethene	2.111	96	2870	1.090	ug/L #	1
17) trans-1,2-Dichloroethene	2.764	96	1994	0.657	ug/L	87
19) 1,1-Dichloroethane	3.185	63	189742	36.518	ug/L	98
20) cis-1,2-Dichloroethene	3.905	96	92121	27.622	ug/L	95
30) 1,1,1-Trichloroethane	4.603	97	71756	14.743	ug/L	99
31) Carbon tetrachloride	4.603	117	10050	2.365	ug/L	100
39) cis-1,3-Dichloropropene	6.979	75	3359	0.672	ug/L #	48
42) Toluene	7.384	91	27128	2.002	ug/L	95
46) Tetrachloroethene	7.966	164	3219	1.269	ug/L	91
49) Dibromochloromethane	7.972	129	2993	0.863	ug/L #	10
53) m,p-Xylene	9.130	106	7151	1.268	ug/L	94
63) 1,2,4-Trimethylbenzene	10.905	105	16957	1.423	ug/L	97

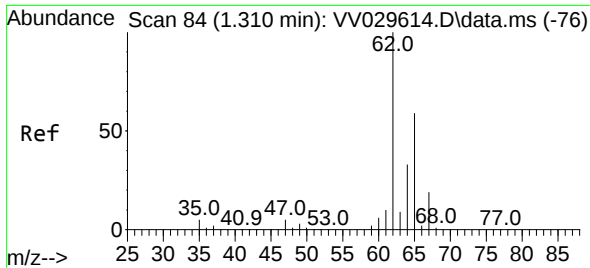
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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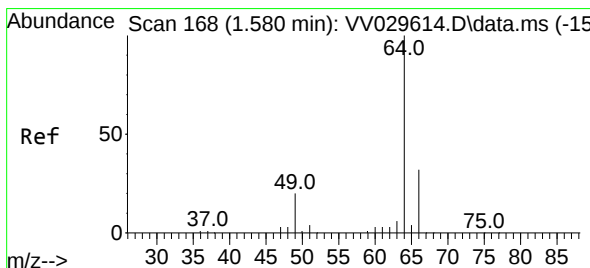
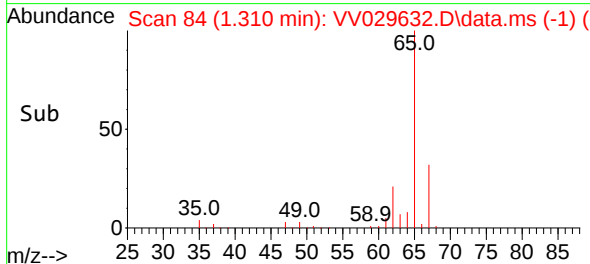
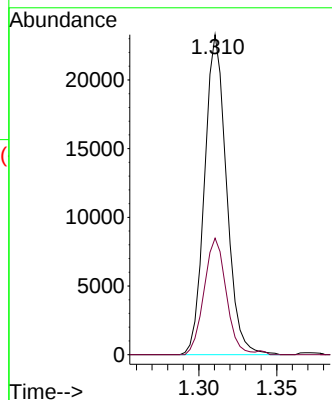
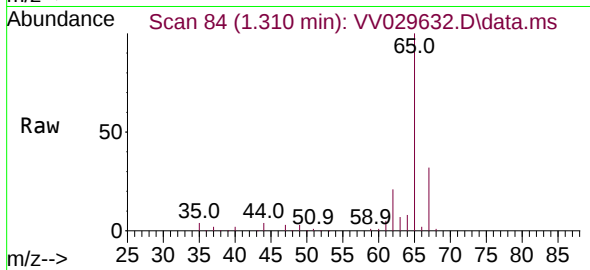




#5
 Vinyl chloride
 Concen: 6.149 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029632.D
 Acq: 13 Dec 2022 05:56

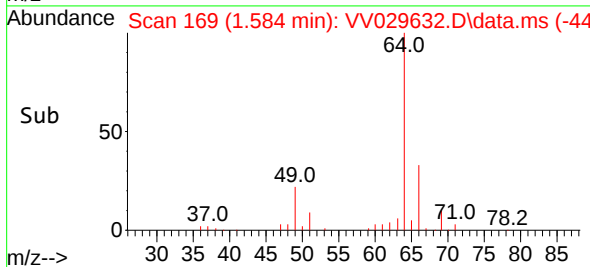
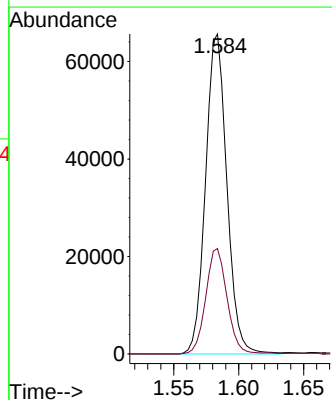
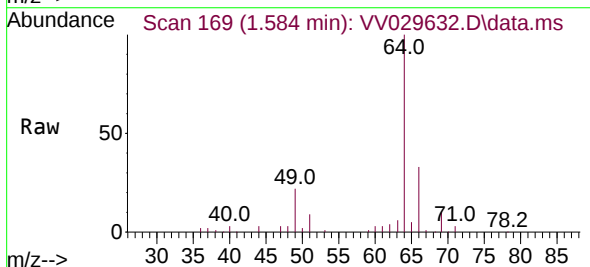
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ78DL

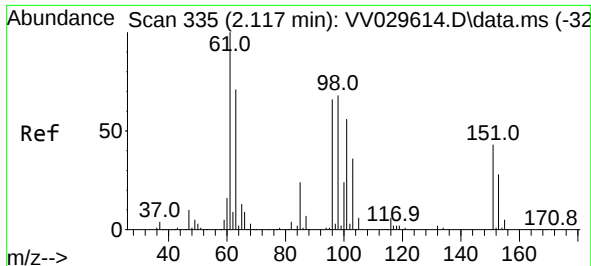
Tgt Ion: 62 Resp: 22754
 Ion Ratio Lower Upper
 62 100
 64 36.4 22.5 41.9



#8
 Chloroethane
 Concen: 36.334 ug/L
 RT: 1.584 min Scan# 169
 Delta R.T. 0.003 min
 Lab File: VV029632.D
 Acq: 13 Dec 2022 05:56

Tgt Ion: 64 Resp: 74862
 Ion Ratio Lower Upper
 64 100
 66 33.0 22.5 41.9





#12

1,1-Dichloroethene

Concen: 1.090 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.006 min

Lab File: VV029632.D

Acq: 13 Dec 2022 05:56

Instrument :

MSVOA_V

ClientSampleId :

EXZ78DL

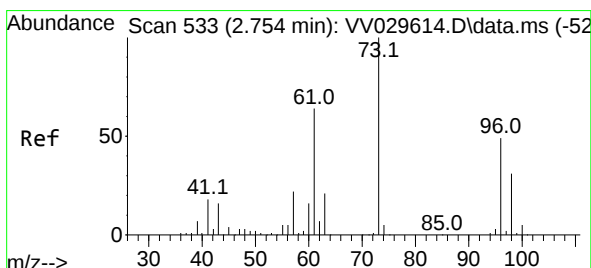
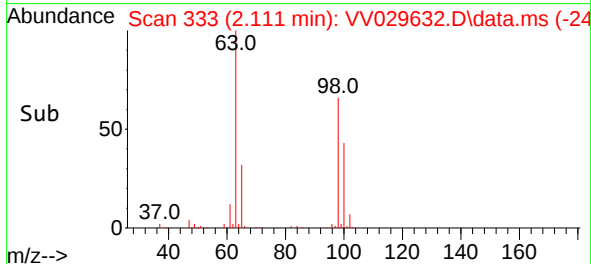
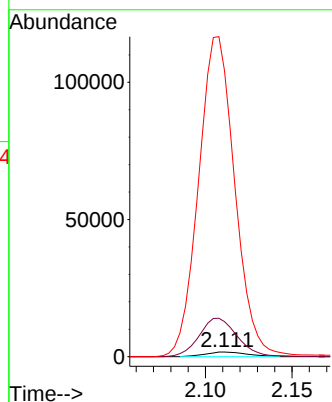
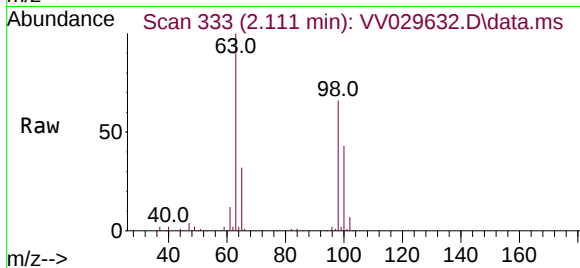
Tgt Ion: 96 Resp: 2870

Ion Ratio Lower Upper

96 100

61 745.7 103.3 191.9#

63 6084.3 77.3 143.7#



#17

trans-1,2-Dichloroethene

Concen: 0.657 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.010 min

Lab File: VV029632.D

Acq: 13 Dec 2022 05:56

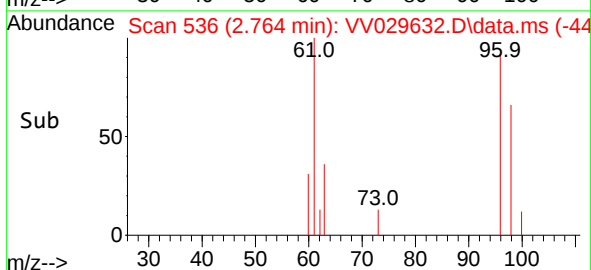
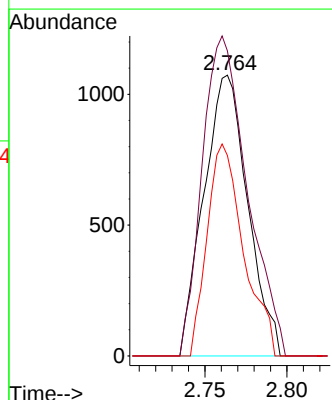
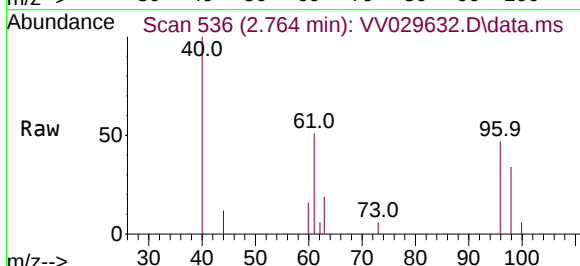
Tgt Ion: 96 Resp: 1994

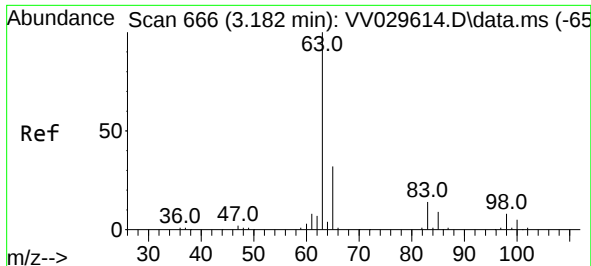
Ion Ratio Lower Upper

96 100

61 108.7 86.4 160.4

98 71.4 43.4 80.6





#19

1,1-Dichloroethane

Concen: 36.518 ug/L

RT: 3.185 min Scan# 666

Delta R.T. 0.003 min

Lab File: VV029632.D

Acq: 13 Dec 2022 05:56

Instrument :

MSVOA_V

ClientSampleId :

EXZ78DL

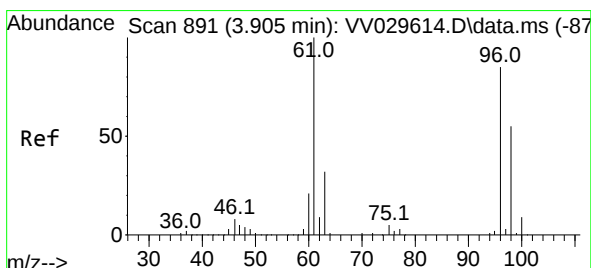
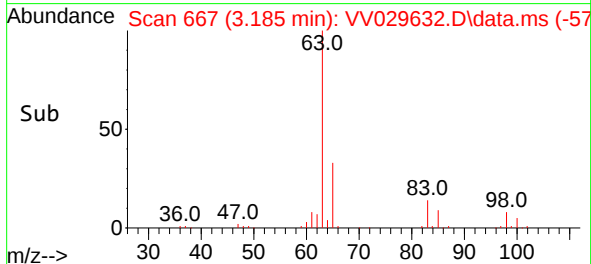
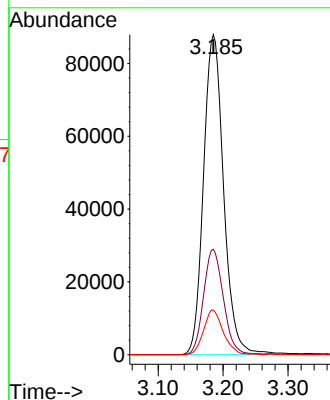
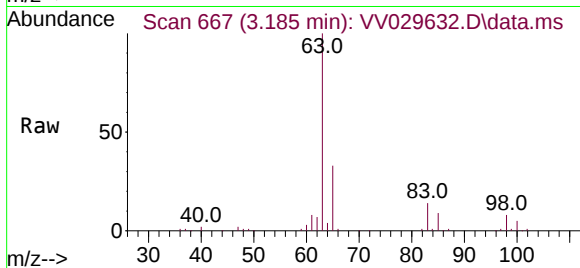
Tgt Ion: 63 Resp: 189742

Ion Ratio Lower Upper

63 100

65 33.0 22.5 41.7

83 14.0 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 27.622 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV029632.D

Acq: 13 Dec 2022 05:56

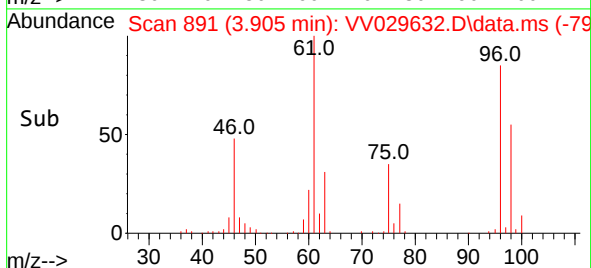
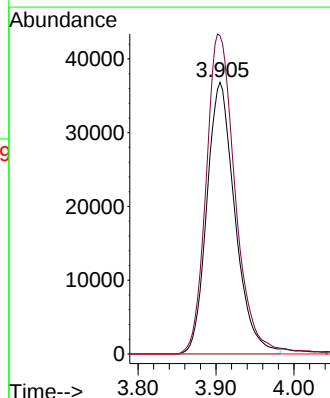
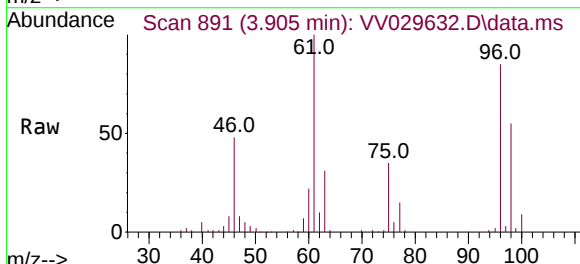
Tgt Ion: 96 Resp: 92121

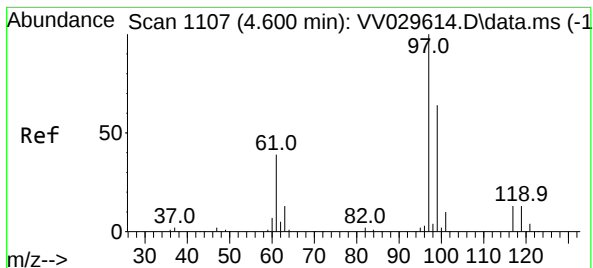
Ion Ratio Lower Upper

96 100

61 117.1 78.0 144.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 14.743 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV029632.D

Acq: 13 Dec 2022 05:56

Instrument :

MSVOA_V

ClientSampleId :

EXZ78DL

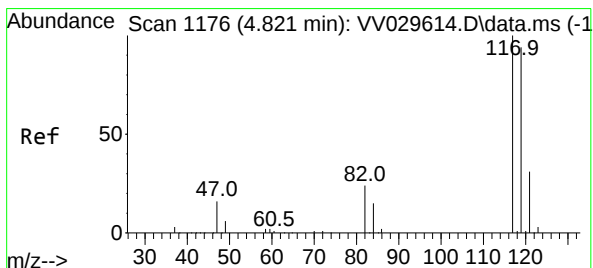
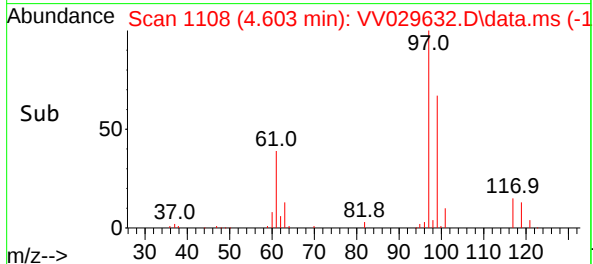
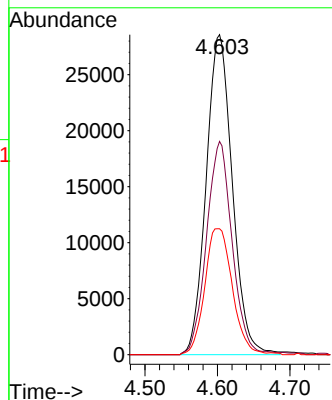
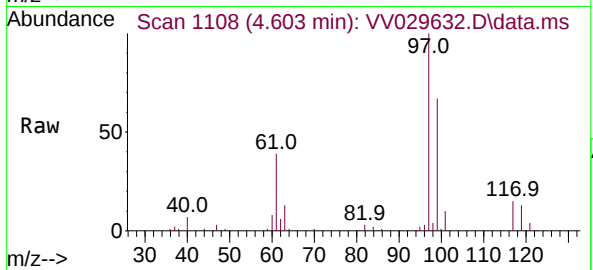
Tgt Ion: 97 Resp: 71756

Ion Ratio Lower Upper

97 100

99 65.0 52.1 78.1

61 41.3 31.8 47.8



#31

Carbon tetrachloride

Concen: 2.365 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.219 min

Lab File: VV029632.D

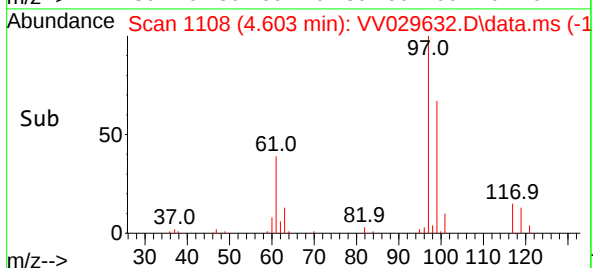
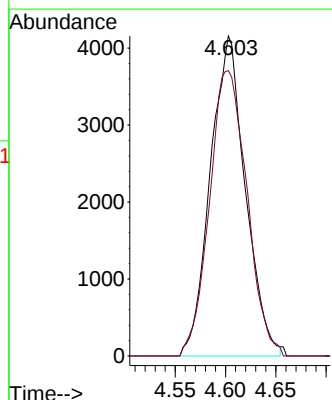
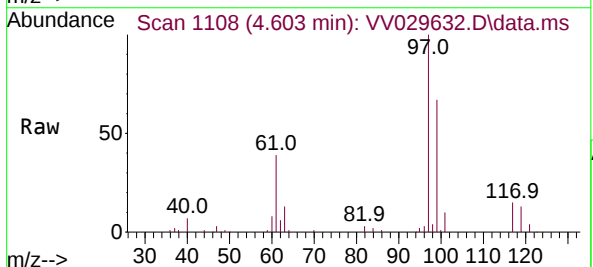
Acq: 13 Dec 2022 05:56

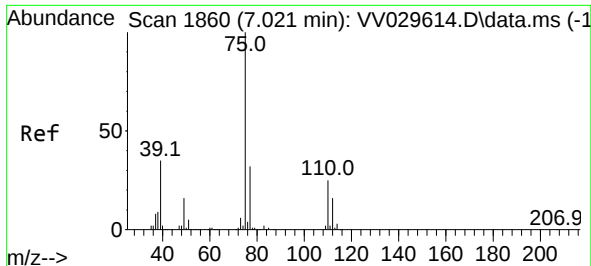
Tgt Ion: 117 Resp: 10050

Ion Ratio Lower Upper

117 100

119 95.7 76.7 115.1





#39

cis-1,3-Dichloropropene

Concen: 0.672 ug/L

RT: 6.979 min Scan# 1860

Delta R.T. -0.042 min

Lab File: VV029632.D

Acq: 13 Dec 2022 05:56

Instrument :

MSVOA_V

ClientSampleId :

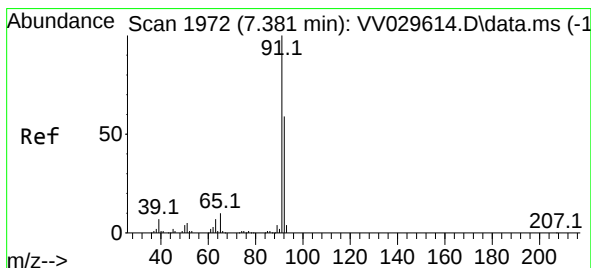
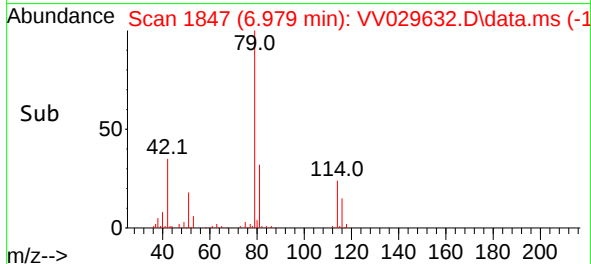
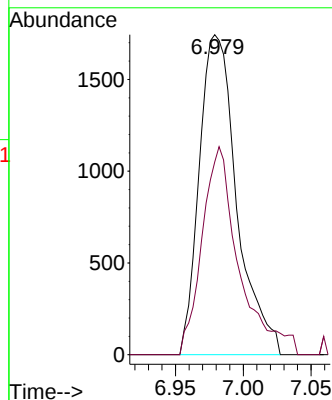
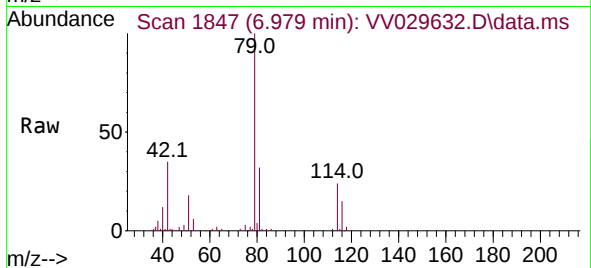
EXZ78DL

Tgt Ion: 75 Resp: 3359

Ion Ratio Lower Upper

75 100

77 60.3 21.9 40.7#



#42

Toluene

Concen: 2.002 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV029632.D

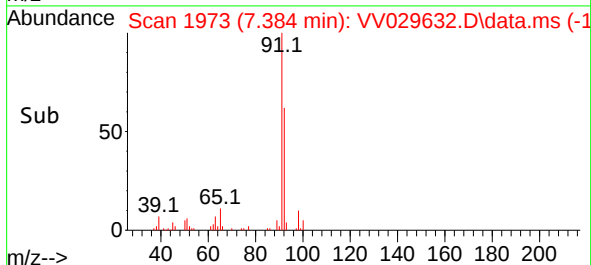
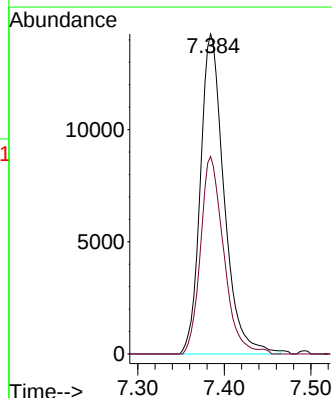
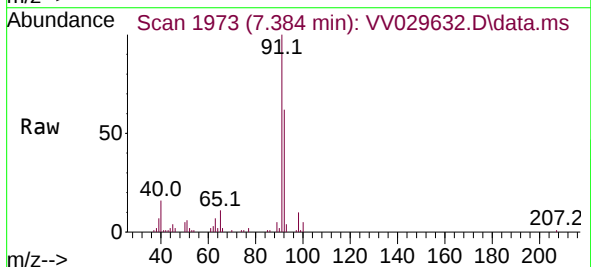
Acq: 13 Dec 2022 05:56

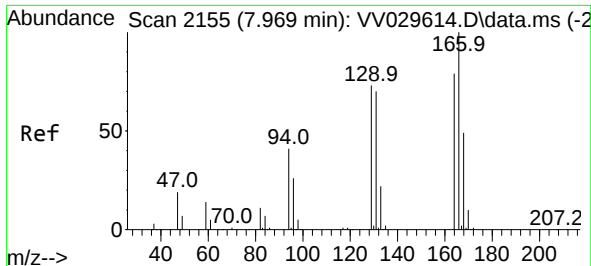
Tgt Ion: 91 Resp: 27128

Ion Ratio Lower Upper

91 100

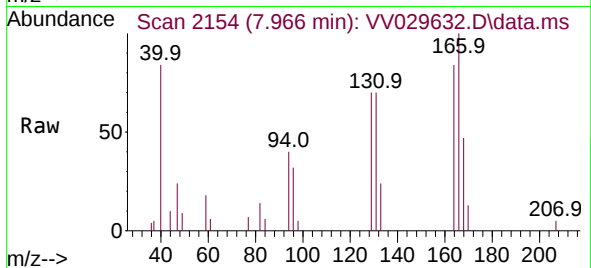
92 61.7 40.6 75.4



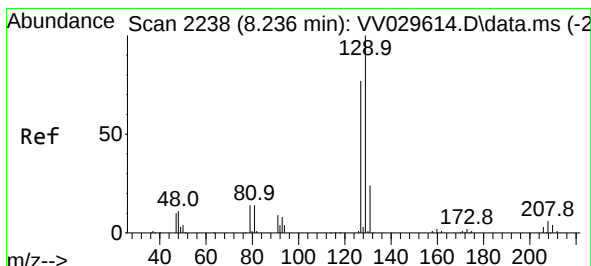
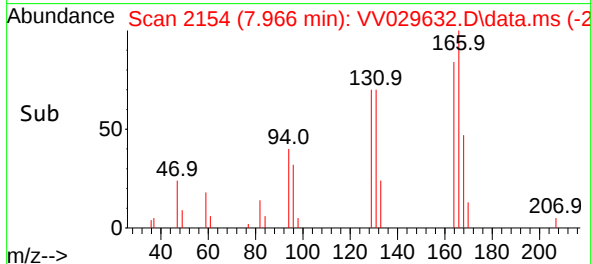
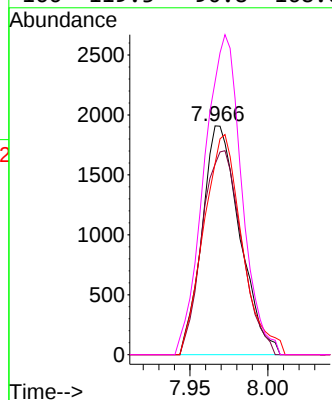


#46
 Tetrachloroethene
 Concen: 1.269 ug/L
 RT: 7.966 min Scan# 2155
 Delta R.T. -0.003 min
 Lab File: VV029632.D
 Acq: 13 Dec 2022 05:56

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ78DL

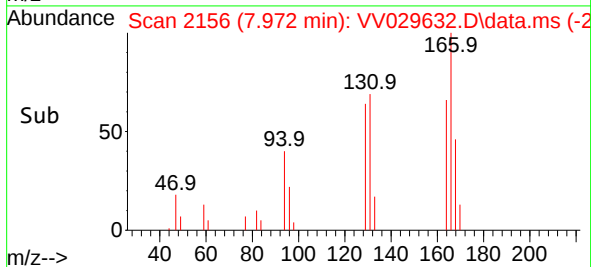
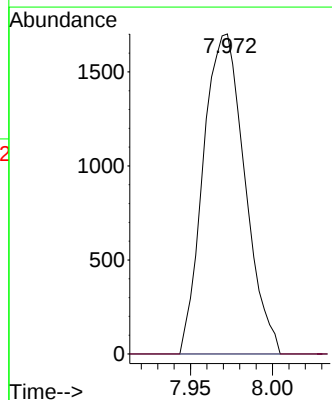
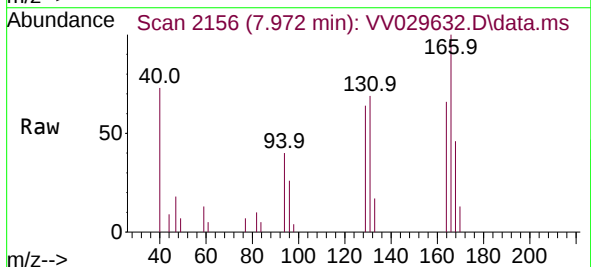


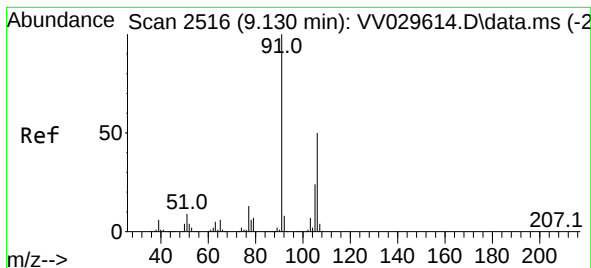
Tgt Ion:	164	Resp:	3219
Ion Ratio	Lower	Upper	
164	100		
129	83.2	65.3	121.3
131	83.6	63.1	117.1
166	119.3	90.8	168.6



#49
 Dibromochloromethane
 Concen: 0.863 ug/L
 RT: 7.972 min Scan# 2156
 Delta R.T. -0.264 min
 Lab File: VV029632.D
 Acq: 13 Dec 2022 05:56

Tgt Ion:	129	Resp:	2993
Ion Ratio	Lower	Upper	
129	100		
127	0.0	55.2	102.4#





#53

m,p-Xylene

Concen: 1.268 ug/L

RT: 9.130 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV029632.D

Acq: 13 Dec 2022 05:56

Instrument :

MSVOA_V

ClientSampleId :

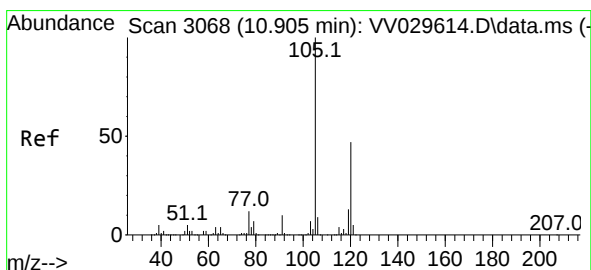
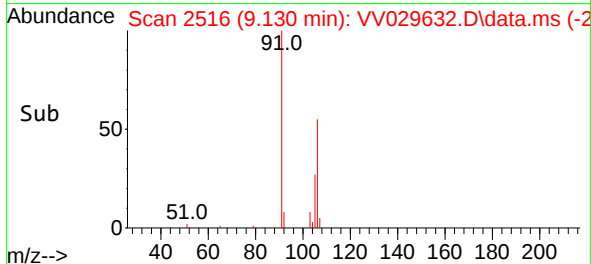
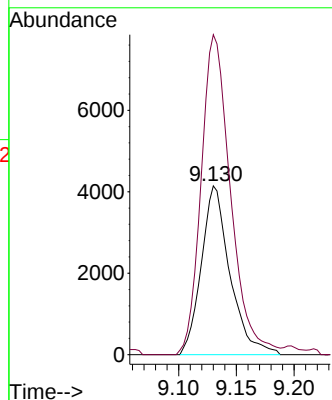
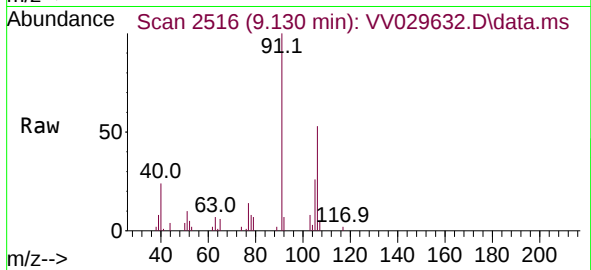
EXZ78DL

Tgt Ion:106 Resp: 7151

Ion Ratio Lower Upper

106 100

91 189.6 139.5 259.1



#63

1,2,4-Trimethylbenzene

Concen: 1.423 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV029632.D

Acq: 13 Dec 2022 05:56

Tgt Ion:105 Resp: 16957

Ion Ratio Lower Upper

105 100

120 48.0 36.7 55.1

