

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV110821\
 Data File : VV023283.D
 Acq On : 08 Nov 2021 16:57
 Operator : SY/MD
 Sample : M4522-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

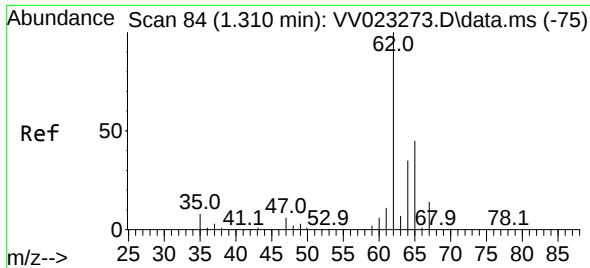
Quant Time: Nov 09 05:16:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 09 05:13:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	269631	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	260923	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	127243	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	35694	2.113	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	42.200%
7) Chloroethane-d5	1.568	69	31505	2.288	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	45.800%#
11) 1,1-Dichloroethene-d2	2.108	63	50564	1.599	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	32.000%#
20) 2-Butanone-d5	3.886	46	91758	31.531	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	63.060%
24) Chloroform-d	4.352	84	85351	2.371	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	47.400%#
26) 1,2-Dichloroethane-d4	5.037	65	40692	2.514	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	50.200%#
32) Benzene-d6	5.053	84	157059	2.346	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	47.000%#
36) 1,2-Dichloropropane-d6	6.072	67	49669	2.520	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	50.400%#
41) Toluene-d8	7.317	98	131642	2.098	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	42.000%#
43) trans-1,3-Dichloroprop...	7.625	79	17492	2.341	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	46.800%#
46) 2-Hexanone-d5	8.088	63	68583	24.944	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	49.880%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	35400	2.498	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	50.000%#
66) 1,2-Dichlorobenzene-d4	11.625	152	55217	2.606	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	52.200%#
Target Compounds						
5) Vinyl chloride	1.311	62	152273	6.821	ug/L	97
8) Chloroethane	1.311	64	48053	3.730	ug/L #	46
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	3805	0.225	ug/L	98
18) trans-1,2-Dichloroethene	2.764	96	8465	0.428	ug/L	91
19) 1,1-Dichloroethane	3.195	63	14125	0.423	ug/L	96
22) cis-1,2-Dichloroethene	3.915	96	31738	1.668	ug/L #	90
33) Benzene	5.108	78	13240	0.182	ug/L	100
34) Trichloroethene	5.925	95	3589	0.185	ug/L	94
37) 1,2-Dichloropropane	6.069	63	5839	0.343	ug/L #	83
47) Tetrachloroethene	7.982	164	3037	0.181	ug/L	87
49) Dibromochloromethane	7.979	129	2478	0.160	ug/L #	10
51) Chlorobenzene	8.886	112	14377	0.277	ug/L	95
61) 1,2,3-Trichloropropane	11.249	75	13785	1.631	ug/L #	67
67) 1,2-Dichlorobenzene	11.645	146	16734	0.501	ug/L	98

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

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QLast Update : Tue Nov 09 05:13:22 2021
Response via : Initial Calibration

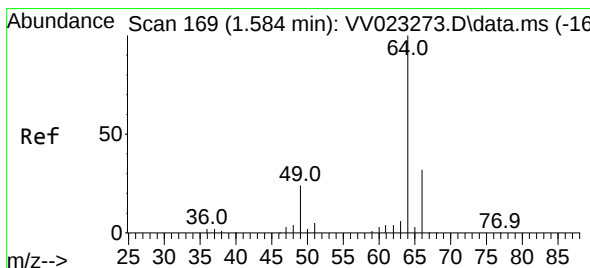
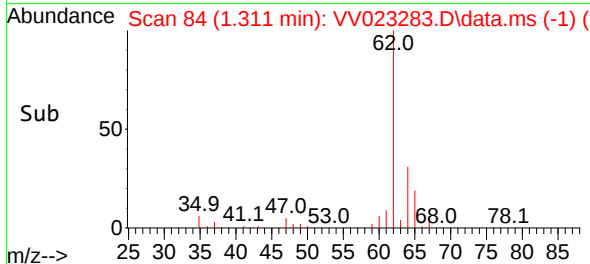
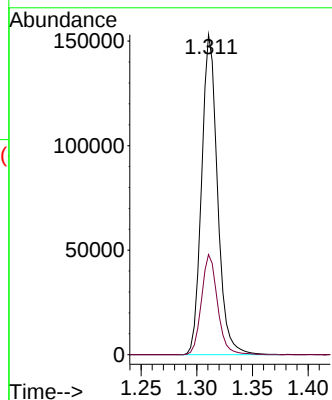
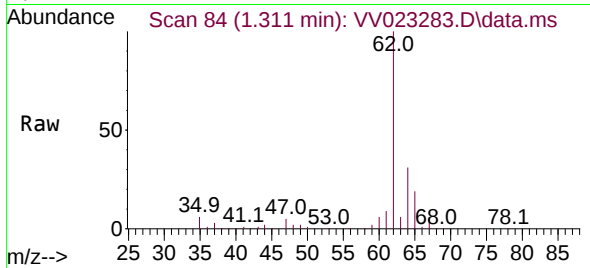




#5
 Vinyl chloride
 Concen: 6.821 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023283.D
 Acq: 08 Nov 2021 16:57

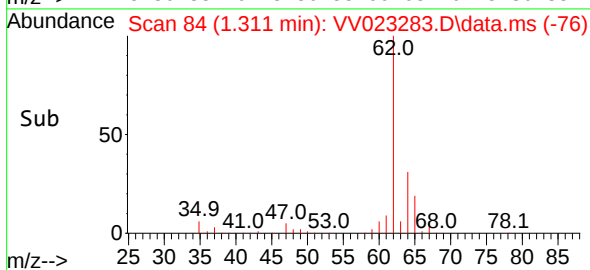
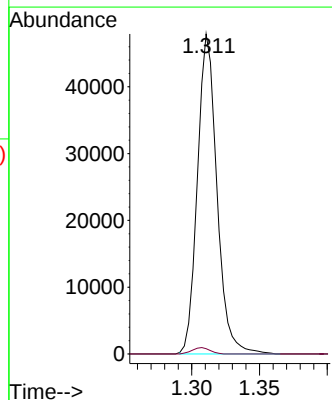
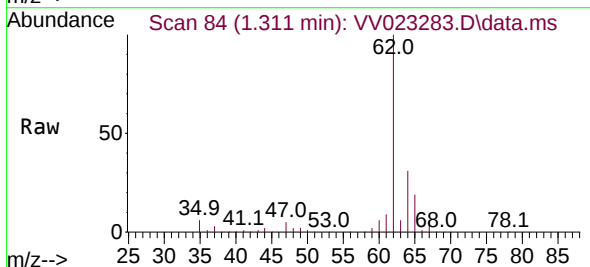
Instrument :
 MSVOA_V
 ClientSampleId :

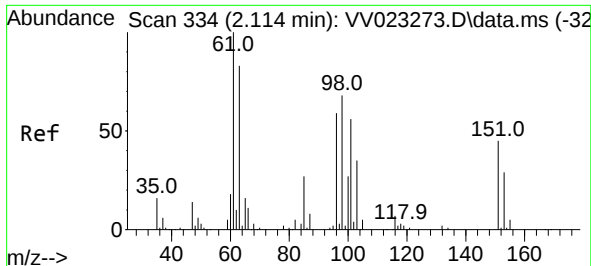
Tgt Ion: 62 Resp: 152273
 Ion Ratio Lower Upper
 62 100
 64 31.3 23.1 42.9



#8
 Chloroethane
 Concen: 3.730 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.273 min
 Lab File: VV023283.D
 Acq: 08 Nov 2021 16:57

Tgt Ion: 64 Resp: 48053
 Ion Ratio Lower Upper
 64 100
 66 1.6 22.1 41.1#

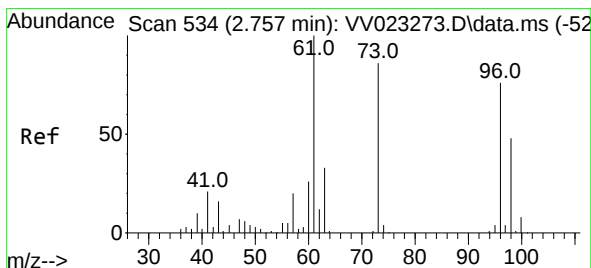
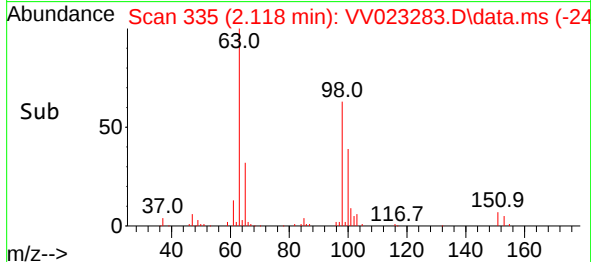
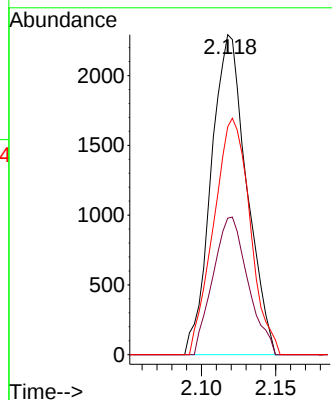
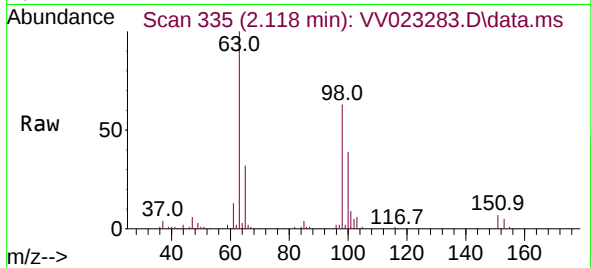




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.225 ug/L
RT: 2.118 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV023283.D
Acq: 08 Nov 2021 16:57

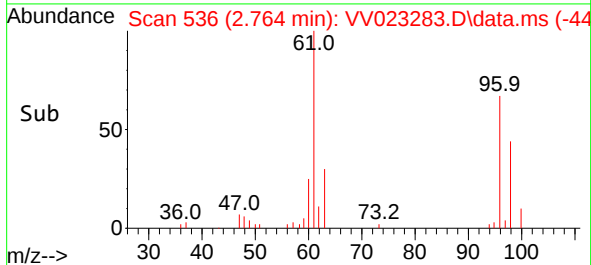
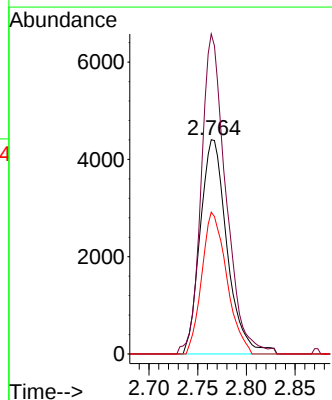
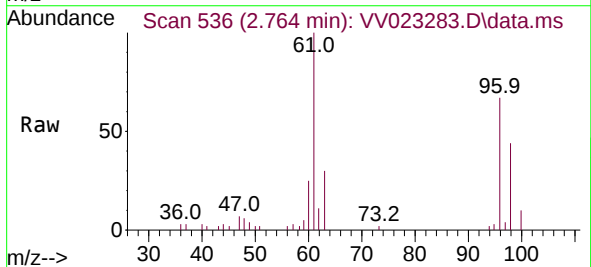
Instrument :
MSVOA_V
ClientSampleId :

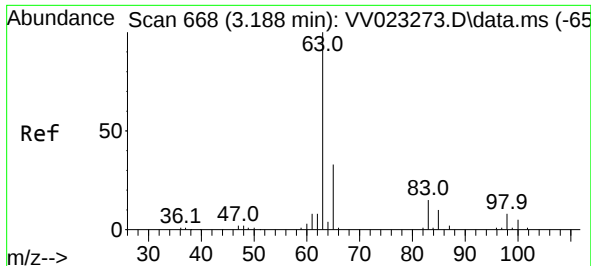
Tgt Ion:101 Resp: 3805
Ion Ratio Lower Upper
101 100
85 42.5 35.3 52.9
151 76.1 62.2 93.2



#18
trans-1,2-Dichloroethene
Concen: 0.428 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV023283.D
Acq: 08 Nov 2021 16:57

Tgt Ion: 96 Resp: 8465
Ion Ratio Lower Upper
96 100
61 149.3 93.2 173.2
98 66.2 47.0 87.2





#19

1,1-Dichloroethane

Concen: 0.423 ug/L

RT: 3.195 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV023283.D

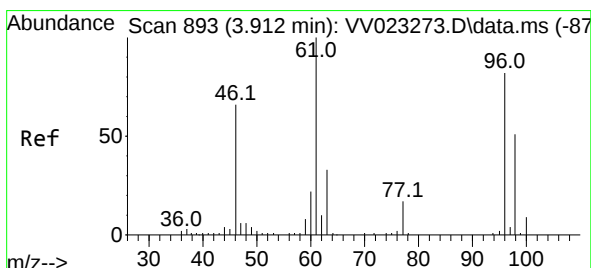
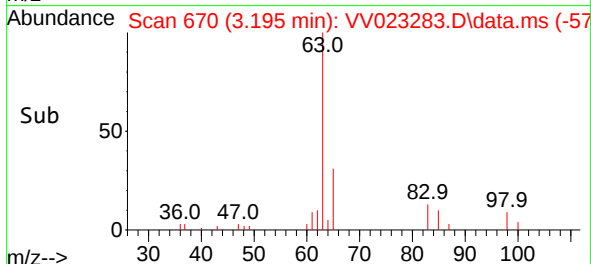
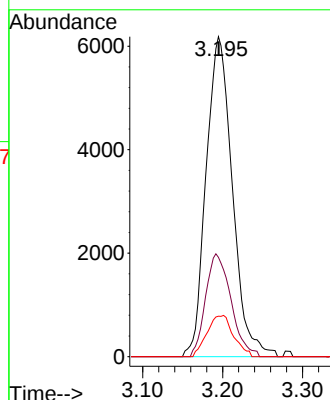
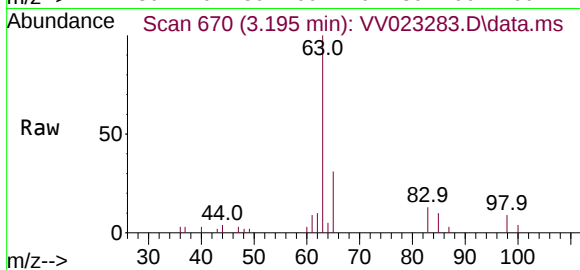
Acq: 08 Nov 2021 16:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 14125
Ion Ratio	Lower Upper
63	100
65	31.1 22.6 42.0
83	12.6 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 1.668 ug/L

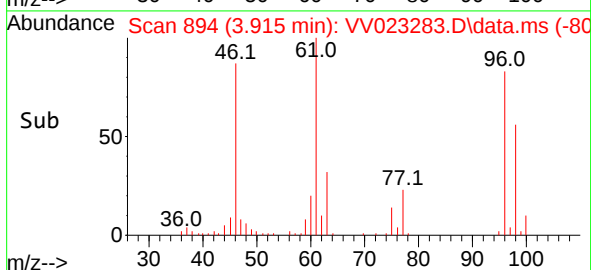
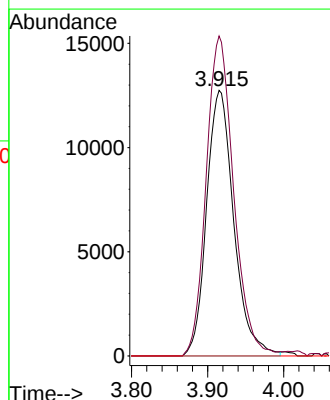
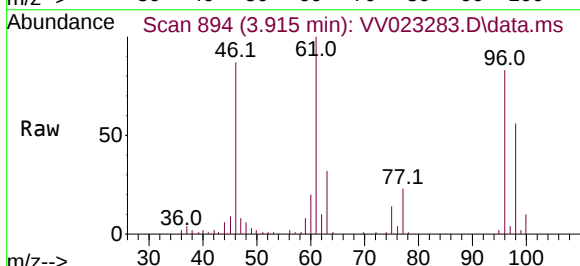
RT: 3.915 min Scan# 894

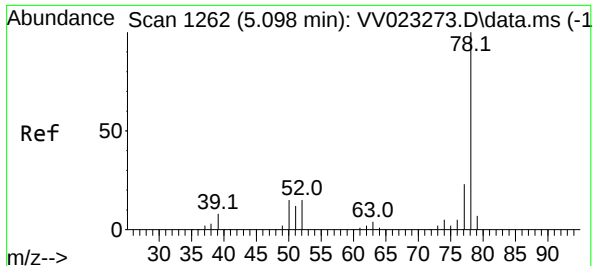
Delta R.T. 0.003 min

Lab File: VV023283.D

Acq: 08 Nov 2021 16:57

Tgt Ion: 96	Resp: 31738
Ion Ratio	Lower Upper
96	100
61	120.5 92.3 171.3
68	0.0 0.4 0.8

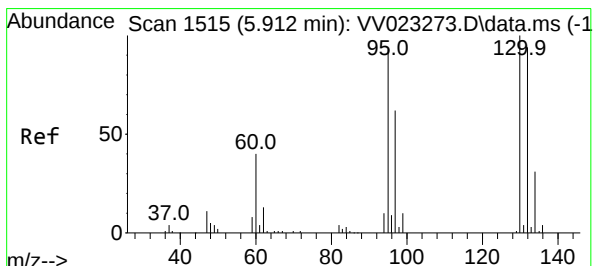
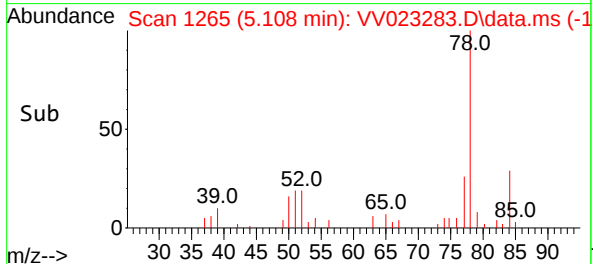
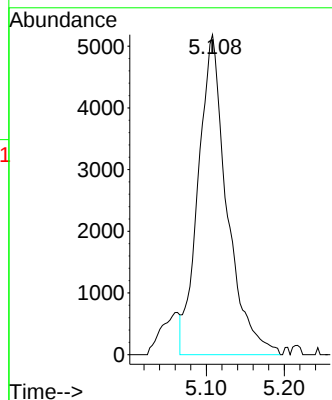
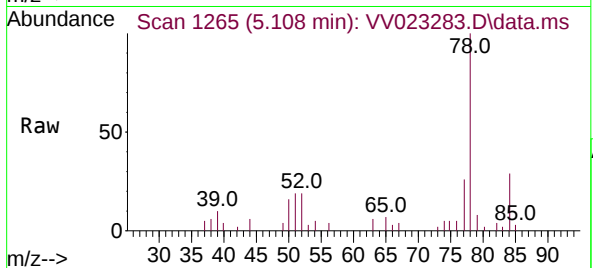




#33
Benzene
Concen: 0.182 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV023283.D
Acq: 08 Nov 2021 16:57

Instrument :
MSVOA_V
ClientSampleId :

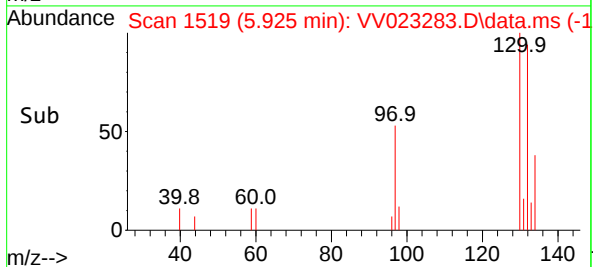
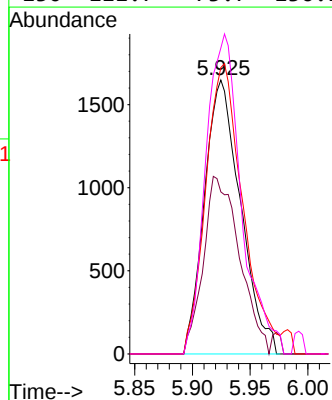
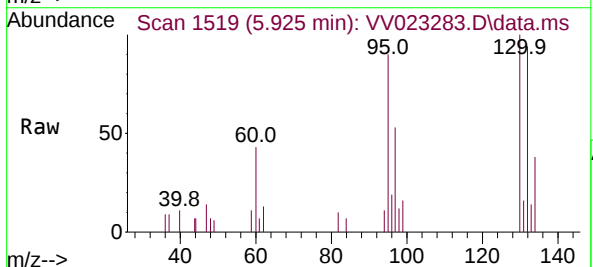
Tgt Ion: 78 Resp: 13240

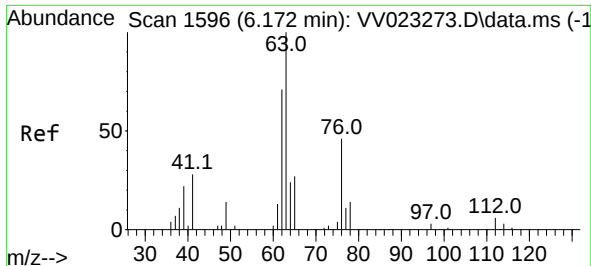


#34
Trichloroethene
Concen: 0.185 ug/L
RT: 5.925 min Scan# 1519
Delta R.T. 0.013 min
Lab File: VV023283.D
Acq: 08 Nov 2021 16:57

Tgt Ion: 95 Resp: 3589

Ion	Ratio	Lower	Upper
95	100		
97	59.2	45.0	83.6
132	104.6	69.7	129.4
130	111.7	73.7	136.9





#37

1,2-Dichloropropane

Concen: 0.343 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV023283.D

Acq: 08 Nov 2021 16:57

Instrument :

MSVOA_V

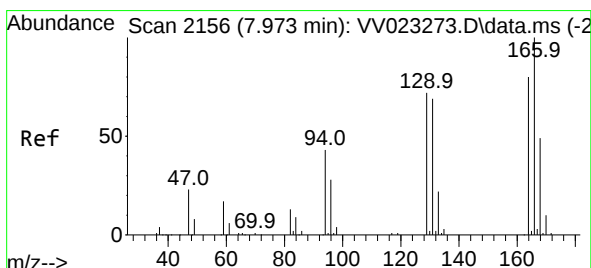
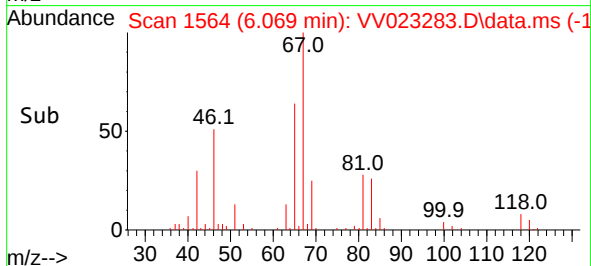
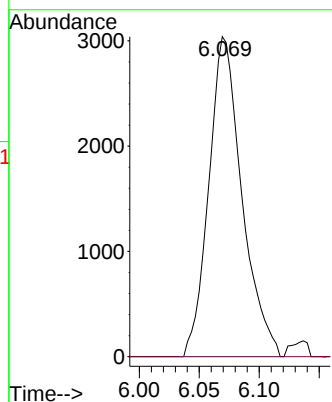
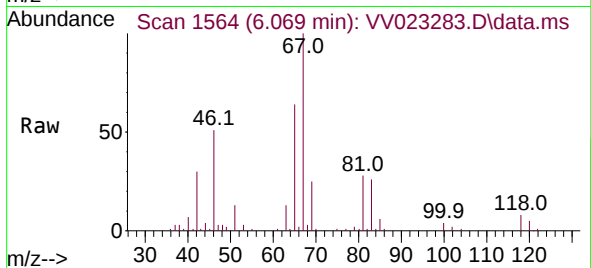
ClientSampleId :

Tgt Ion: 63 Resp: 5839

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#47

Tetrachloroethene

Concen: 0.181 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.010 min

Lab File: VV023283.D

Acq: 08 Nov 2021 16:57

Tgt Ion: 164 Resp: 3037

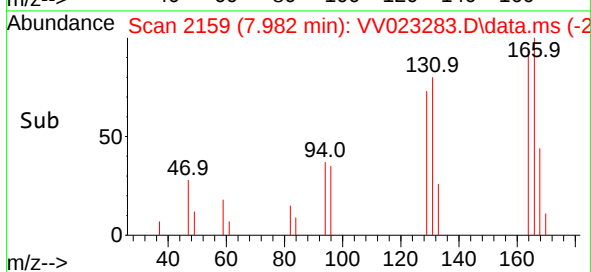
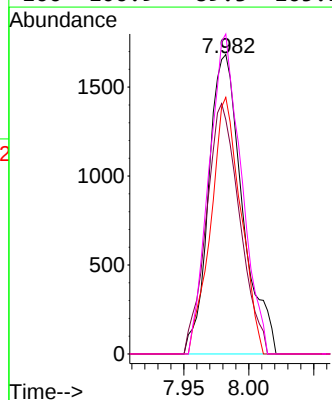
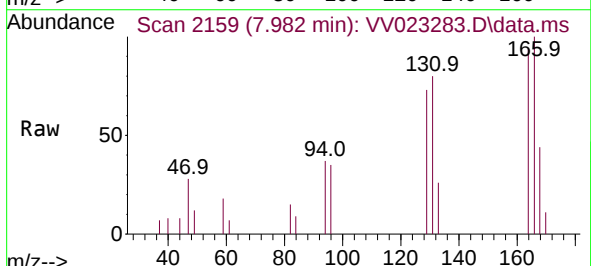
Ion Ratio Lower Upper

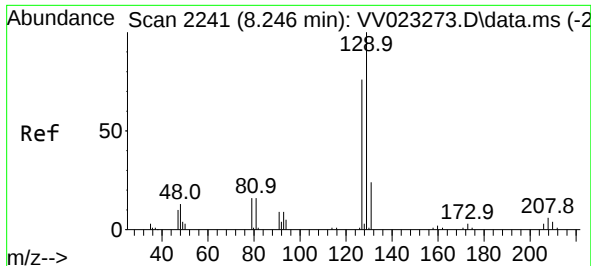
164 100

129 78.3 64.0 119.0

131 85.7 63.4 117.8

166 106.9 89.3 165.9





#49

Dibromochloromethane

Concen: 0.160 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV023283.D

Acq: 08 Nov 2021 16:57

Instrument :

MSVOA_V

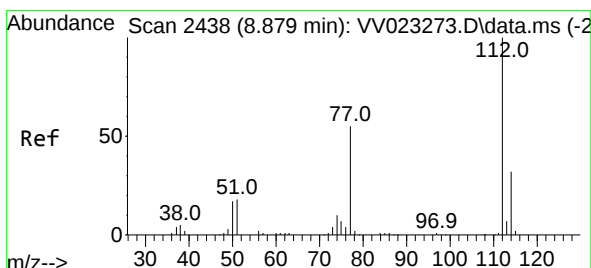
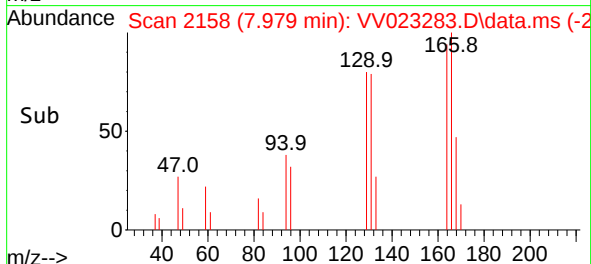
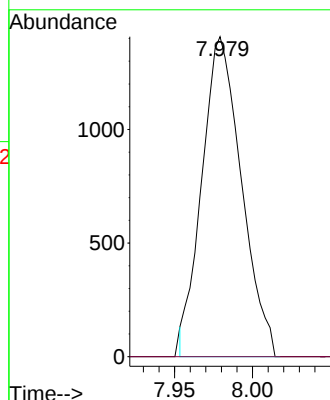
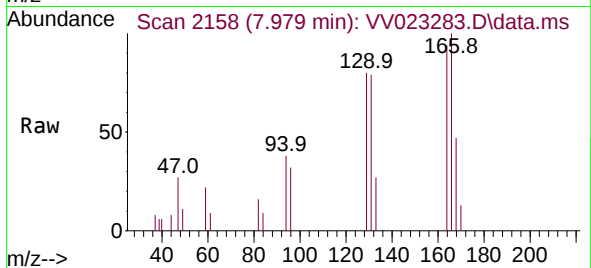
ClientSampleId :

Tgt Ion:129 Resp: 2478

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#51

Chlorobenzene

Concen: 0.277 ug/L

RT: 8.886 min Scan# 2440

Delta R.T. 0.007 min

Lab File: VV023283.D

Acq: 08 Nov 2021 16:57

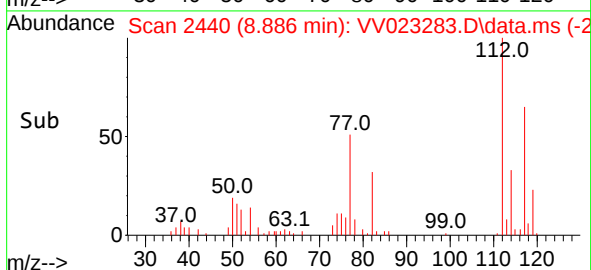
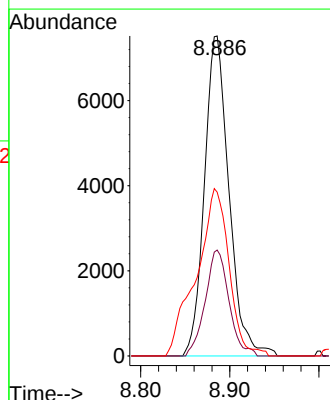
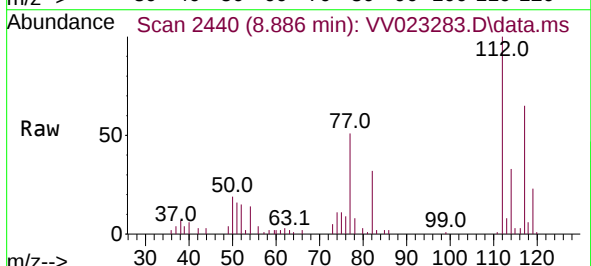
Tgt Ion:112 Resp: 14377

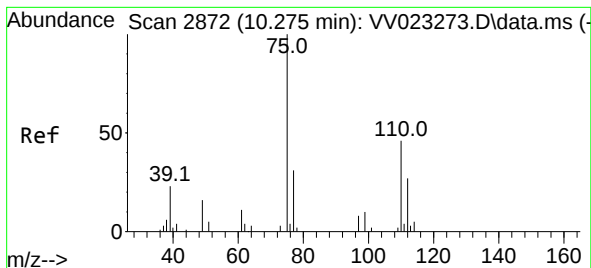
Ion Ratio Lower Upper

112 100

114 33.1 22.0 40.8

77 51.2 44.4 66.6





#61

1,2,3-Trichloropropane

Concen: 1.631 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV023283.D

Acq: 08 Nov 2021 16:57

Instrument :

MSVOA_V

ClientSampleId :

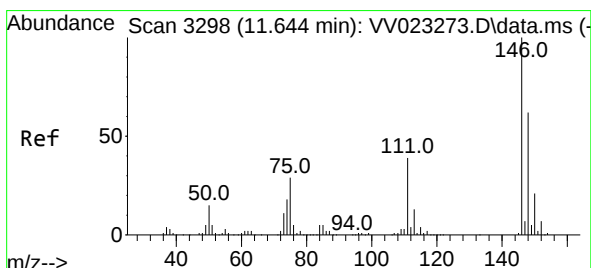
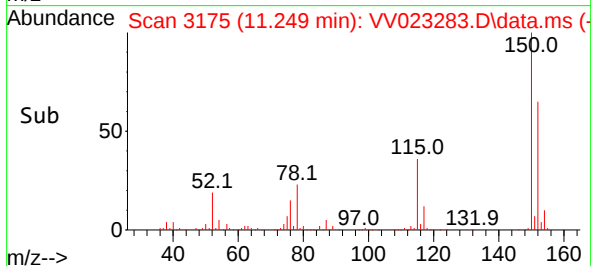
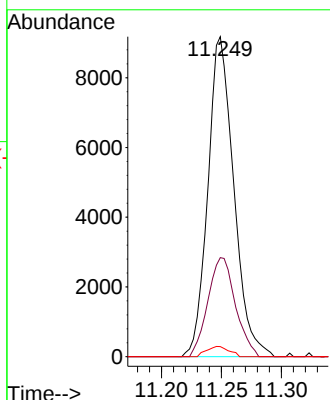
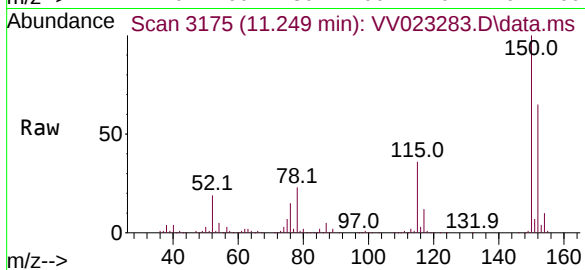
Tgt Ion: 75 Resp: 13785

Ion Ratio Lower Upper

75 100

77 32.8 26.6 39.8

110 2.8 31.8 47.6#



#67

1,2-Dichlorobenzene

Concen: 0.501 ug/L

RT: 11.645 min Scan# 3298

Delta R.T. 0.000 min

Lab File: VV023283.D

Acq: 08 Nov 2021 16:57

Tgt Ion: 146 Resp: 16734

Ion Ratio Lower Upper

146 100

111 40.4 31.6 47.4

148 65.7 51.0 76.6

