

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110921\
 Data File : VW023322.D
 Acq On : 10 Nov 2021 11:03
 Operator : SY/MD
 Sample : M4522-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 11 00:40:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 11 00:38:57 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	128147	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	131063	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62172	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	27252	3.395	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.800%
7) Chloroethane-d5	1.568	69	26065	3.984	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.600%
11) 1,1-Dichloroethene-d2	2.108	63	39245	2.611	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.200%#
20) 2-Butanone-d5	3.886	46	98141	70.959	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	141.920%#
24) Chloroform-d	4.349	84	75762	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.034	65	37320	4.851	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.050	84	134871	4.011	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
36) 1,2-Dichloropropane-d6	6.069	67	46715	4.719	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.317	98	108795	3.452	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.000%#
43) trans-1,3-Dichloroprop...	7.625	79	14506	3.865	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.200%
46) 2-Hexanone-d5	8.088	63	67030	48.535	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.080%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	34262	4.813	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	48290	4.665	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	701	0.066	ug/L	99
5) Vinyl chloride	1.310	62	150114	14.148	ug/L	98
8) Chloroethane	1.310	64	48448	7.912	ug/L #	45
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	3767	0.469	ug/L	99
13) Acetone	2.179	43	1403	1.660	ug/L	78
14) Carbon disulfide	2.294	76	2034	0.071	ug/L	95
18) trans-1,2-Dichloroethene	2.764	96	8193	0.872	ug/L	93
19) 1,1-Dichloroethane	3.191	63	13785	0.869	ug/L	96
22) cis-1,2-Dichloroethene	3.912	96	31617	3.497	ug/L #	85
29) 1,1,1-Trichloroethane	4.609	97	1400	0.088	ug/L #	70
33) Benzene	5.101	78	13630	0.372	ug/L	100
34) Trichloroethene	5.918	95	3732	0.383	ug/L	88
35) Methylcyclohexane	6.069	83	11140	0.725	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	4985	0.583	ug/L #	85
42) Toluene	7.400	91	2887	0.074	ug/L	98
47) Tetrachloroethene	7.979	164	2378	0.282	ug/L	94
48) 2-Hexanone	8.149	43	7444	2.678	ug/L #	79
49) Dibromochloromethane	7.976	129	2186	0.281	ug/L #	10
51) Chlorobenzene	8.886	112	13381	0.514	ug/L	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 11 00:38:57 2021
Response via : Initial Calibration

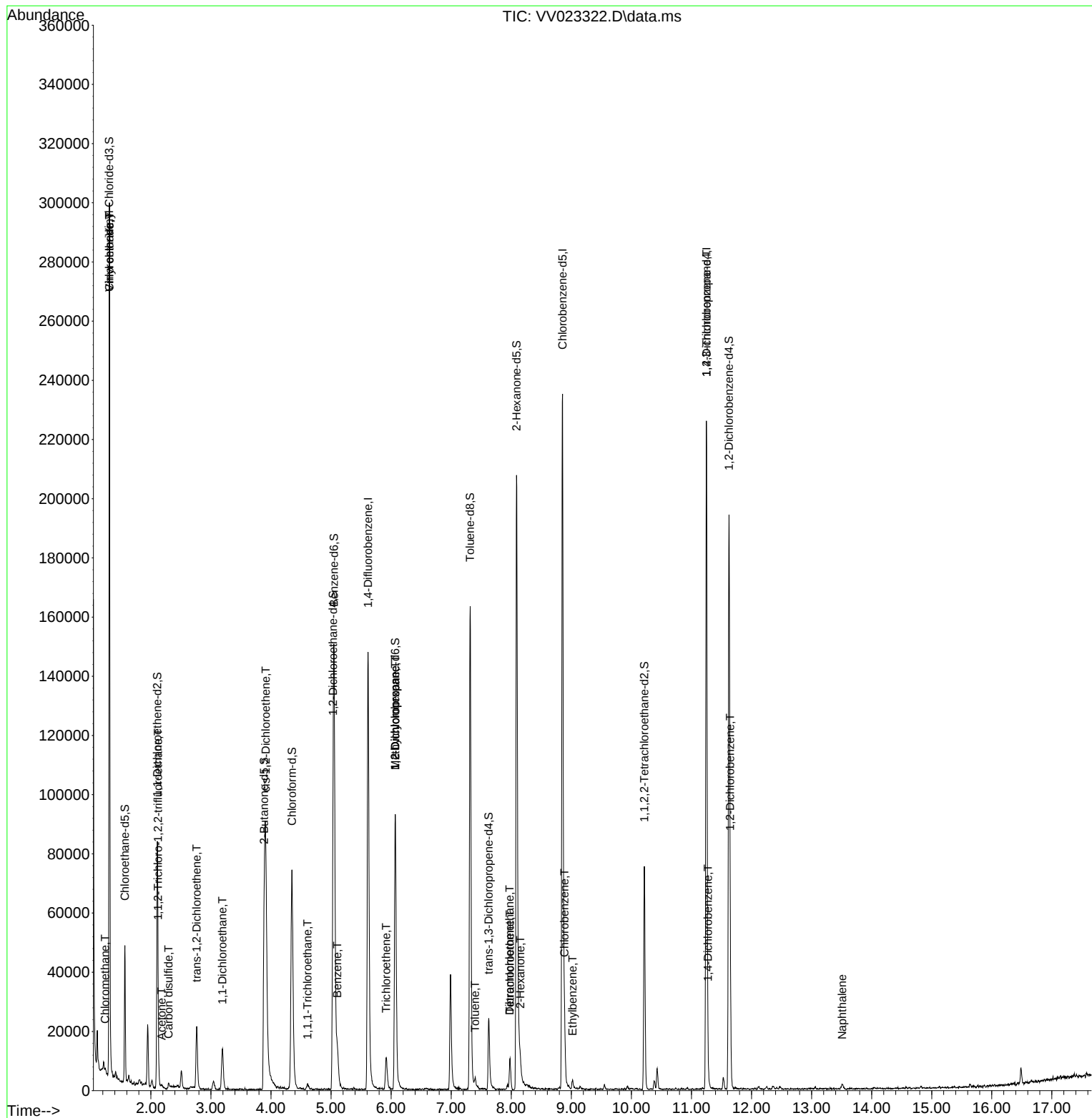
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.021	91	2465	0.060	ug/L	94
61) 1,2,3-Trichloropropane	11.249	75	7095	1.718	ug/L #	67
65) 1,4-Dichlorobenzene	11.275	146	1174	0.063	ug/L	88
67) 1,2-Dichlorobenzene	11.644	146	15511	0.951	ug/L	100
71) Naphthalene	13.509	128	1788	0.106	ug/L #	90

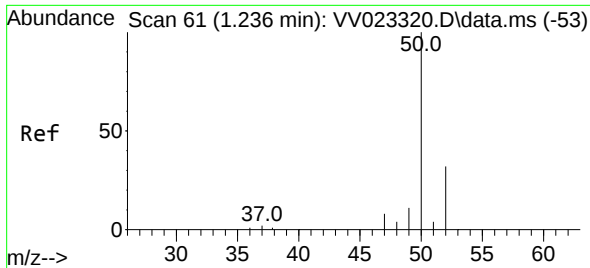
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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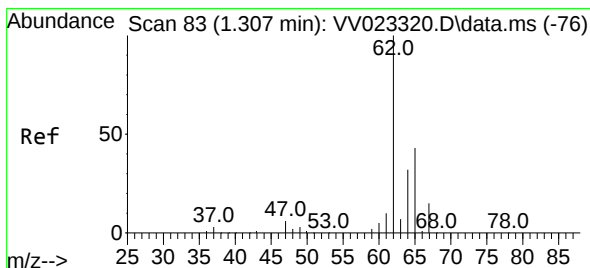
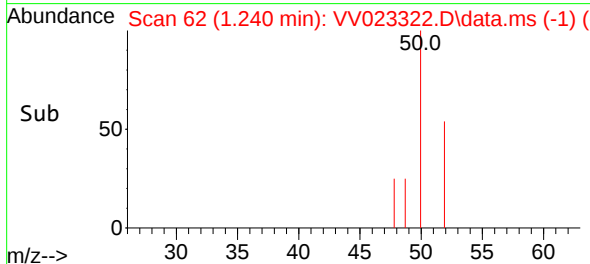
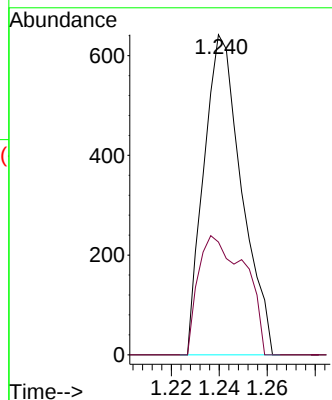
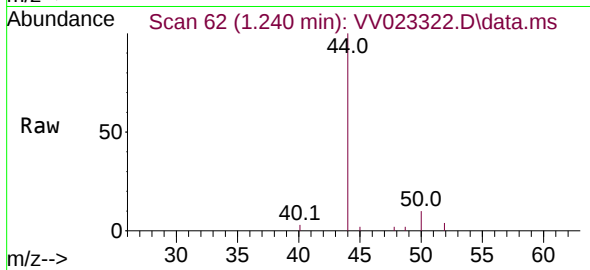




#3
Chloromethane
Concen: 0.066 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

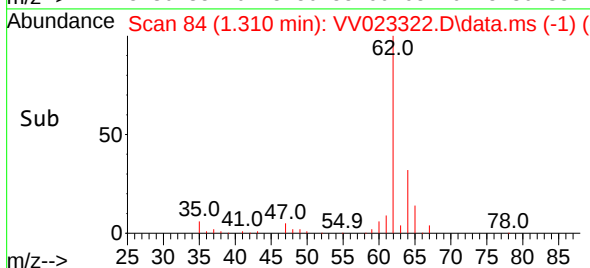
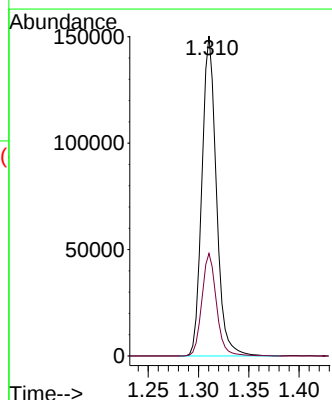
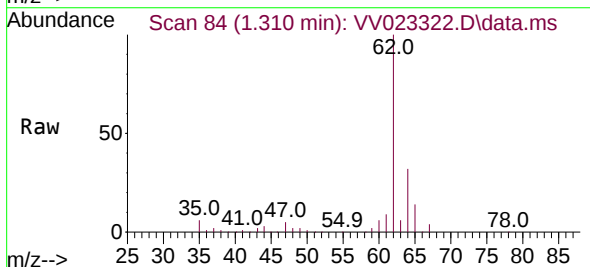
Instrument :
MSVOA_V
ClientSampleId :

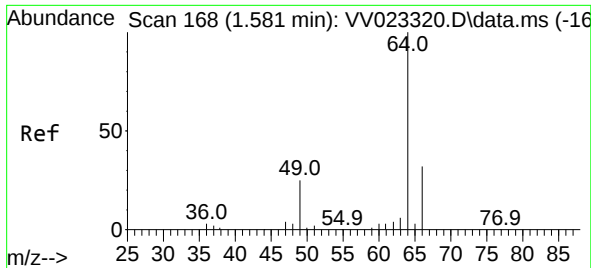
Tgt Ion: 50 Resp: 701
Ion Ratio Lower Upper
50 100
52 35.2 24.3 45.1



#5
Vinyl chloride
Concen: 14.148 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

Tgt Ion: 62 Resp: 150114
Ion Ratio Lower Upper
62 100
64 32.1 23.1 42.9

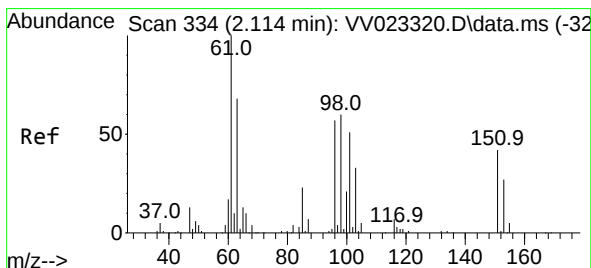
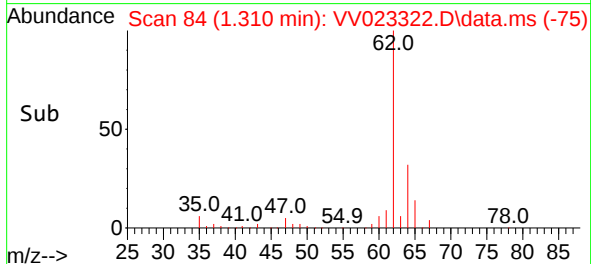
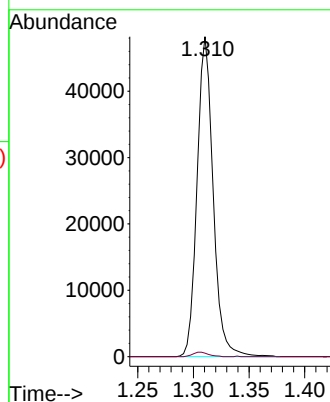
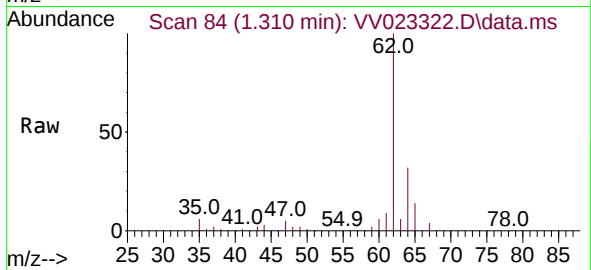




#8
Chloroethane
Concen: 7.912 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.270 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

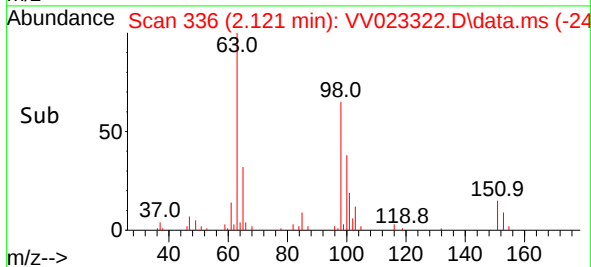
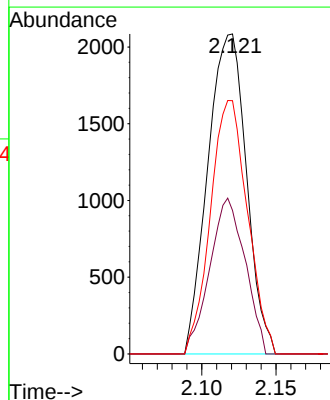
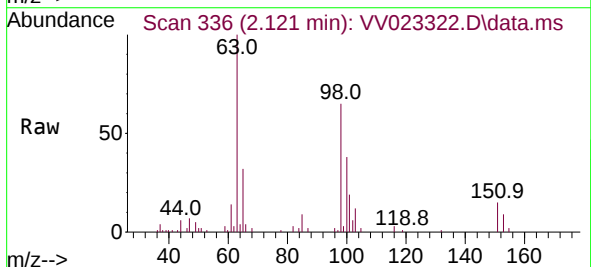
Instrument :
MSVOA_V
ClientSampleId :

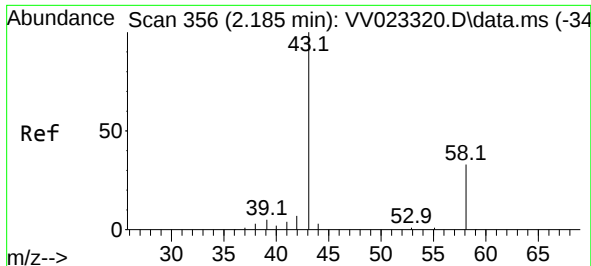
Tgt Ion: 64 Resp: 48448
Ion Ratio Lower Upper
64 100
66 1.1 22.1 41.1#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.469 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.006 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

Tgt Ion: 101 Resp: 3767
Ion Ratio Lower Upper
101 100
85 44.6 35.3 52.9
151 76.1 62.2 93.2





#13

Acetone

Concen: 1.660 ug/L

RT: 2.179 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV023322.D

Acq: 10 Nov 2021 11:03

Instrument :

MSVOA_V

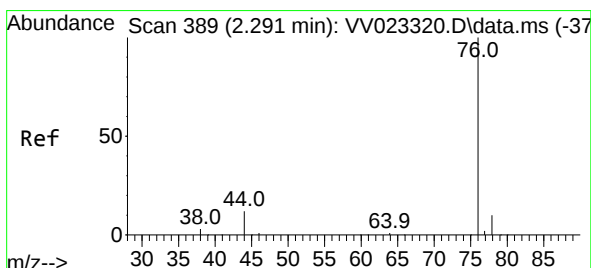
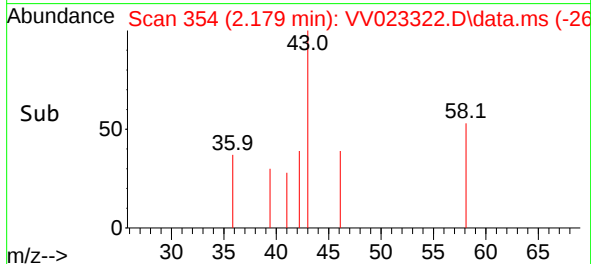
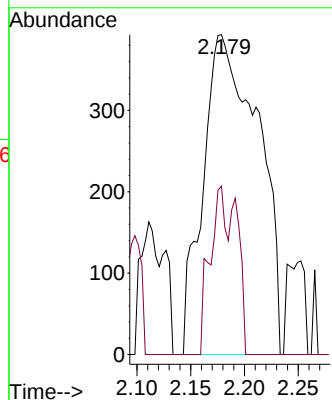
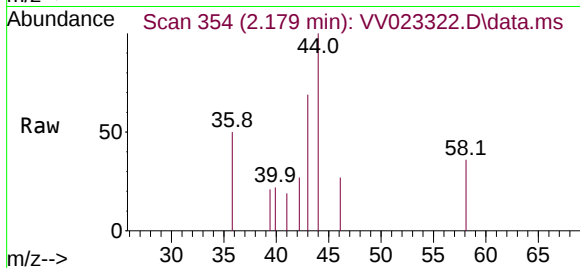
ClientSampleId :

Tgt Ion: 43 Resp: 1403

Ion Ratio Lower Upper

43 100

58 16.4 0.0 55.4



#14

Carbon disulfide

Concen: 0.071 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV023322.D

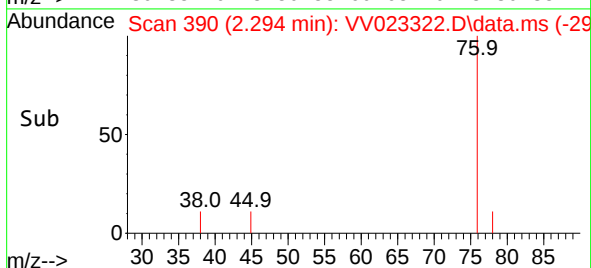
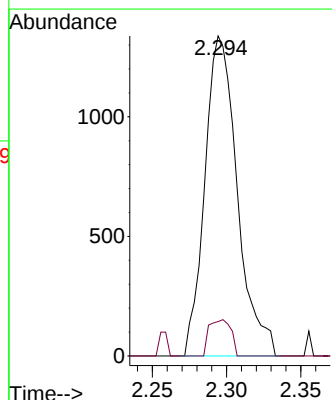
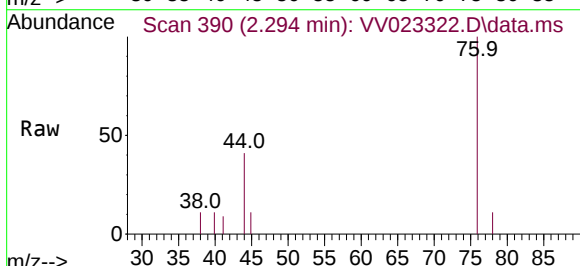
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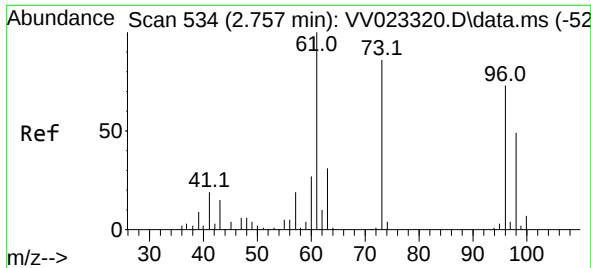
Tgt Ion: 76 Resp: 2034

Ion Ratio Lower Upper

76 100

78 10.8 7.2 10.8

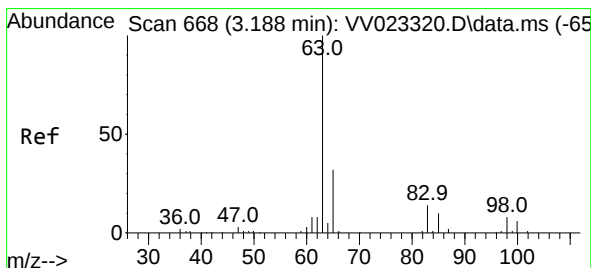
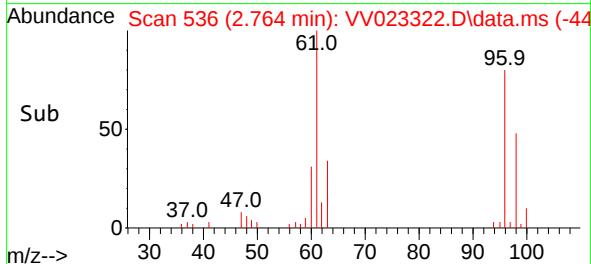
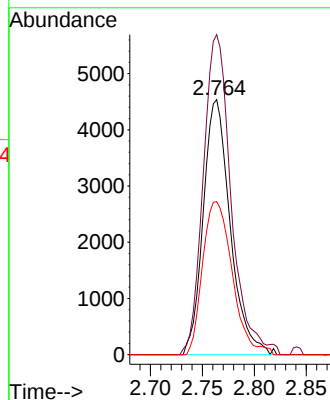
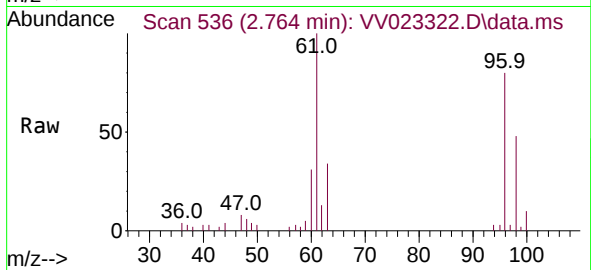




#18
trans-1,2-Dichloroethene
Concen: 0.872 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

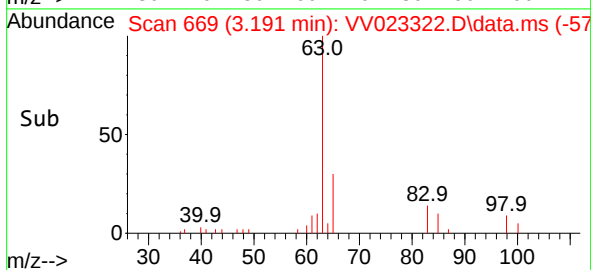
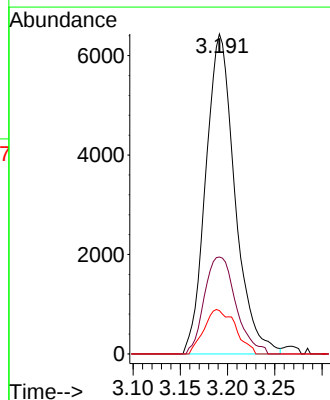
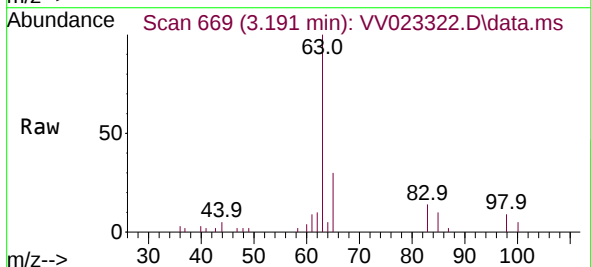
Instrument :
MSVOA_V
ClientSampleId :

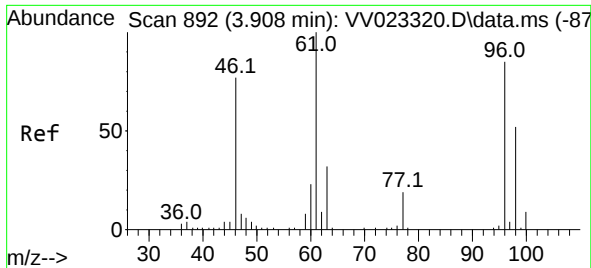
Tgt Ion: 96 Resp: 8193
Ion Ratio Lower Upper
96 100
61 125.5 93.2 173.2
98 60.0 47.0 87.2



#19
1,1-Dichloroethane
Concen: 0.869 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.003 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

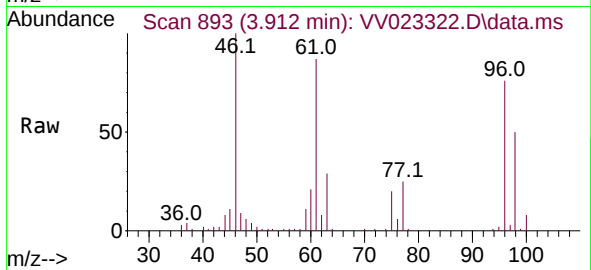
Tgt Ion: 63 Resp: 13785
Ion Ratio Lower Upper
63 100
65 30.3 22.6 42.0
83 13.6 11.1 20.7



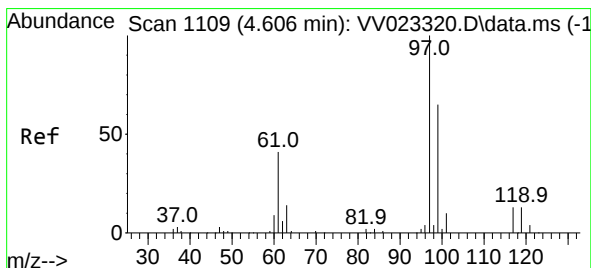
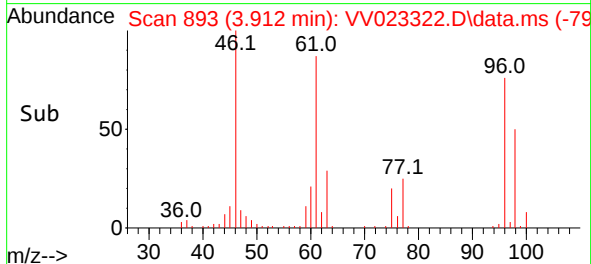
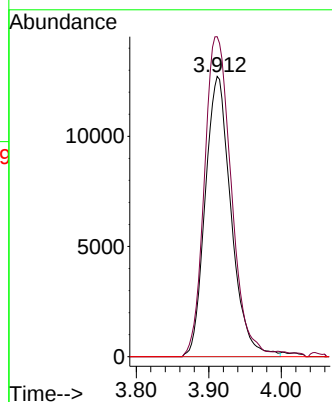


#22
 cis-1,2-Dichloroethene
 Concen: 3.497 ug/L
 RT: 3.912 min Scan# 89
 Delta R.T. 0.003 min
 Lab File: VV023322.D
 Acq: 10 Nov 2021 11:03

Instrument :
 MSVOA_V
 ClientSampleId :

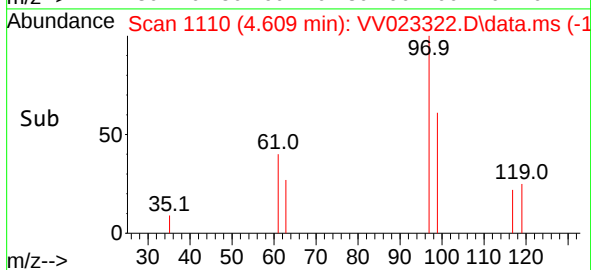
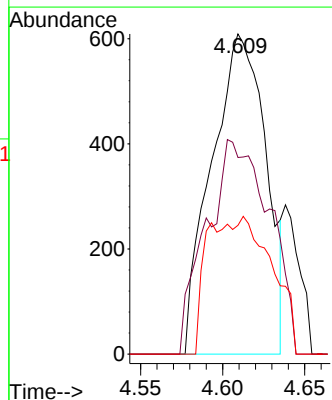
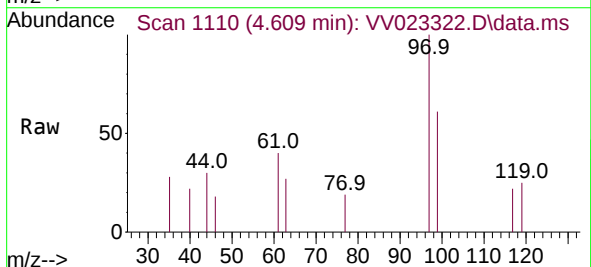


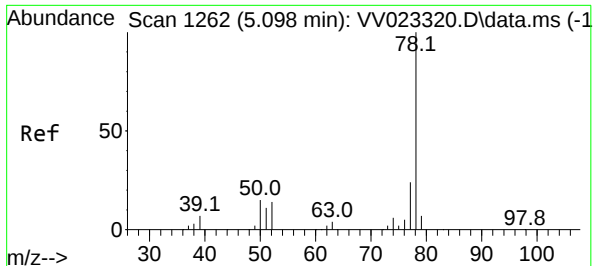
Tgt Ion: 96 Resp: 31617
 Ion Ratio Lower Upper
 96 100
 61 114.2 92.3 171.3
 68 0.0 0.4 0.8#



#29
 1,1,1-Trichloroethane
 Concen: 0.088 ug/L
 RT: 4.609 min Scan# 1110
 Delta R.T. 0.003 min
 Lab File: VV023322.D
 Acq: 10 Nov 2021 11:03

Tgt Ion: 97 Resp: 1400
 Ion Ratio Lower Upper
 97 100
 99 77.6 51.0 76.4#
 61 12.1 34.1 51.1#

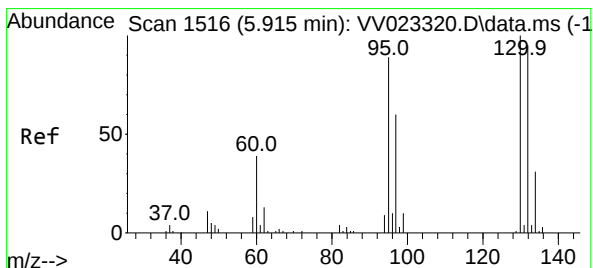
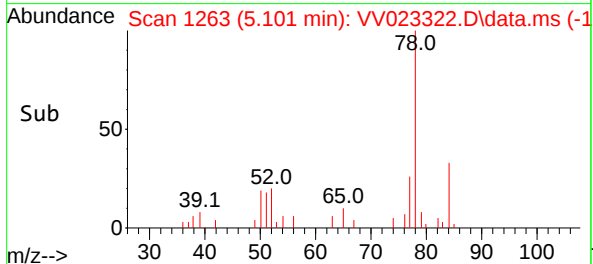
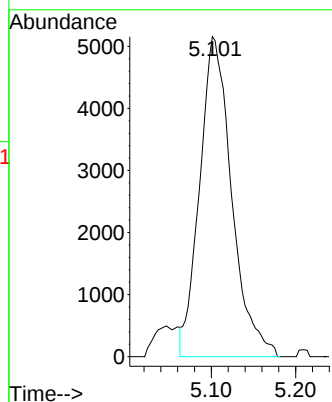
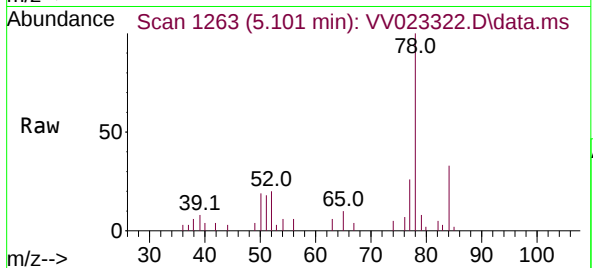




#33
Benzene
Concen: 0.372 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

Instrument :
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ClientSampleId :

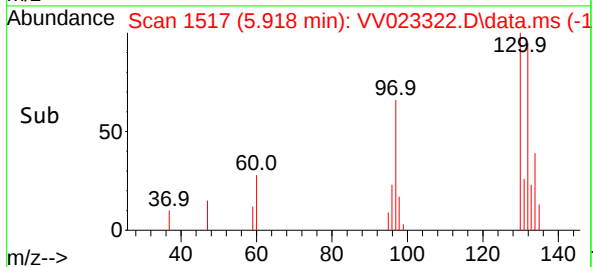
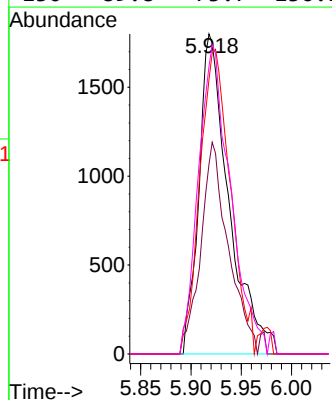
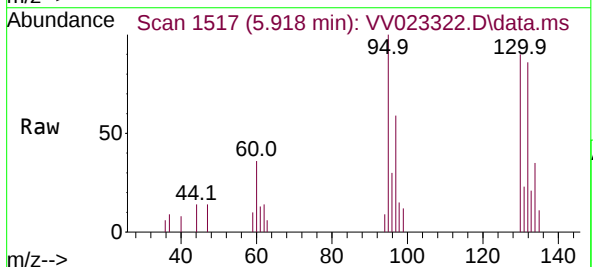
Tgt Ion: 78 Resp: 13630

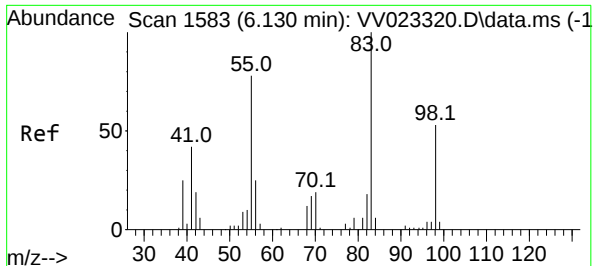


#34
Trichloroethene
Concen: 0.383 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.003 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

Tgt Ion: 95 Resp: 3732

Ion	Ratio	Lower	Upper
95	100		
97	59.3	45.0	83.6
132	85.8	69.7	129.4
130	89.8	73.7	136.9





#35

Methylcyclohexane

Concen: 0.725 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.061 min

Lab File: VV023322.D

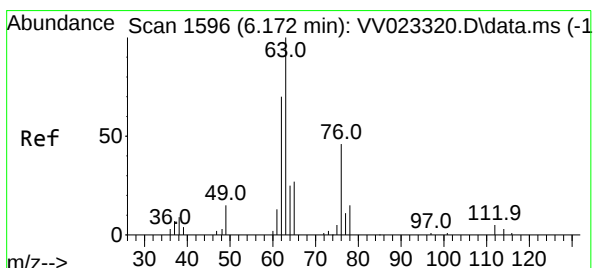
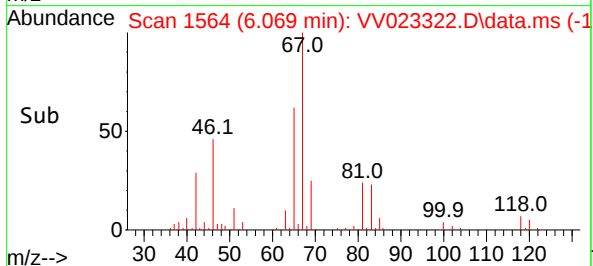
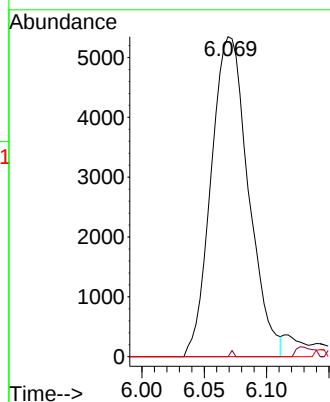
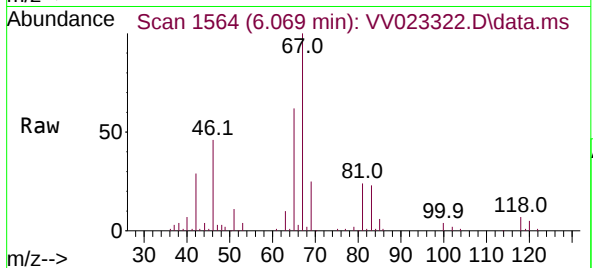
Acq: 10 Nov 2021 11:03

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp:	11140
Ion Ratio	Lower	Upper
83	100	
55	0.2	62.8 94.2#
98	0.9	37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.583 ug/L

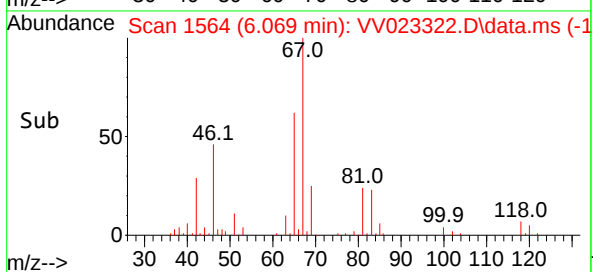
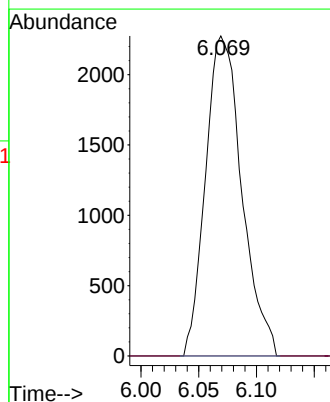
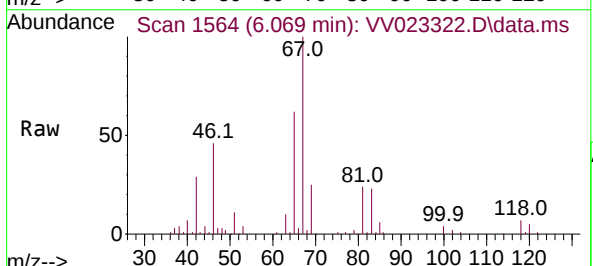
RT: 6.069 min Scan# 1564

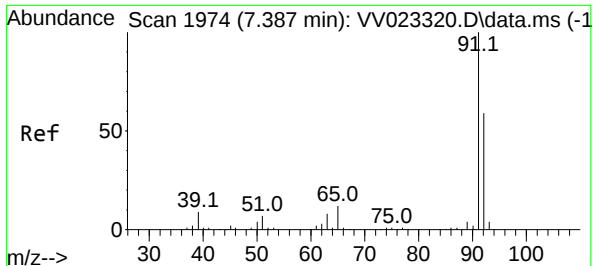
Delta R.T. -0.103 min

Lab File: VV023322.D

Acq: 10 Nov 2021 11:03

Tgt Ion: 63	Resp:	4985
Ion Ratio	Lower	Upper
63	100	
112	0.8	4.6 6.8#

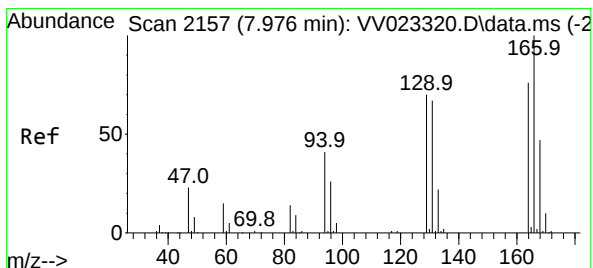
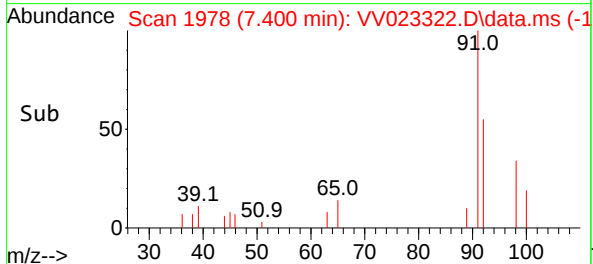
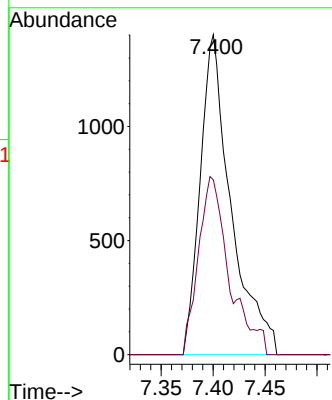
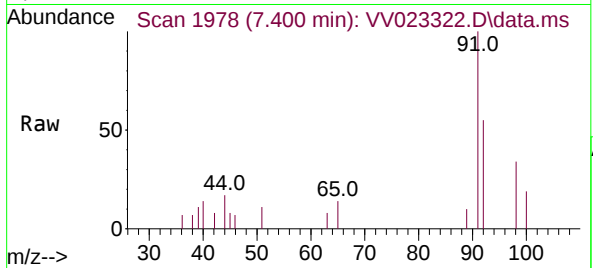




#42
Toluene
Concen: 0.074 ug/L
RT: 7.400 min Scan# 1974
Delta R.T. 0.013 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

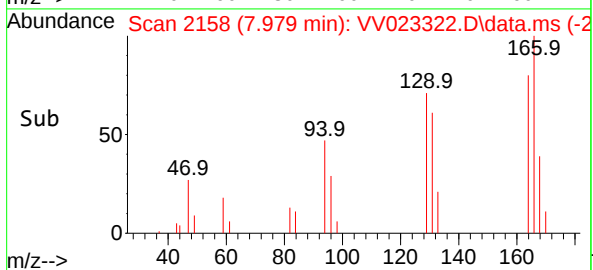
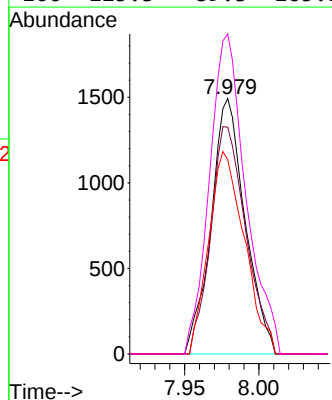
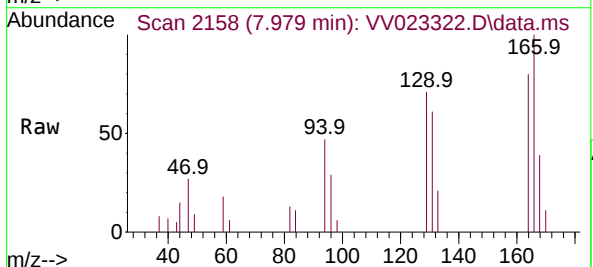
Instrument :
MSVOA_V
ClientSampleId :

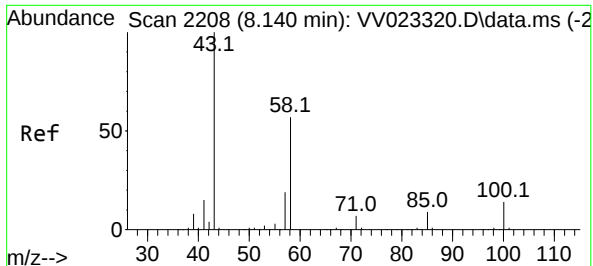
Tgt Ion: 91 Resp: 2887
Ion Ratio Lower Upper
91 100
92 54.6 39.3 72.9



#47
Tetrachloroethene
Concen: 0.282 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

Tgt Ion: 164 Resp: 2378
Ion Ratio Lower Upper
164 100
129 88.7 64.0 119.0
131 76.1 63.4 117.8
166 125.3 89.3 165.9

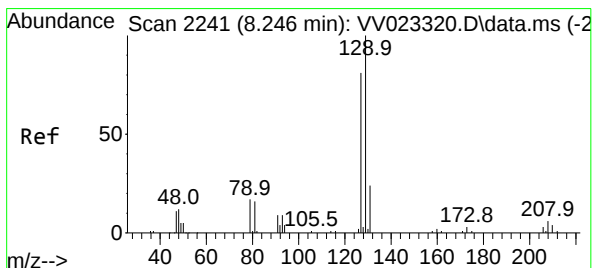
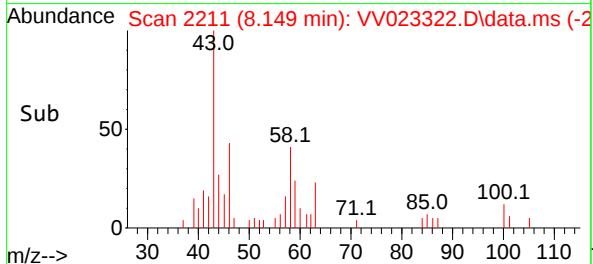
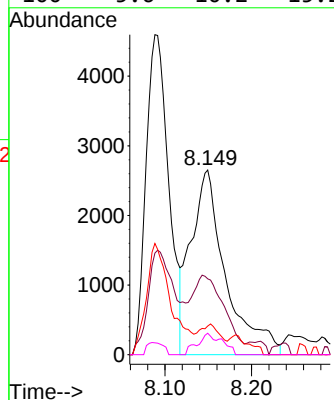
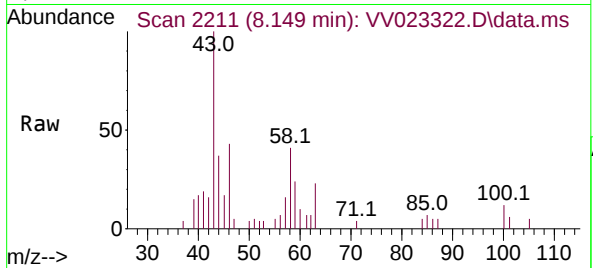




#48
2-Hexanone
Concen: 2.678 ug/L
RT: 8.149 min Scan# 2111
Delta R.T. 0.010 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

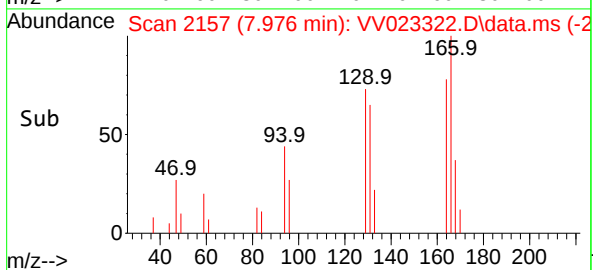
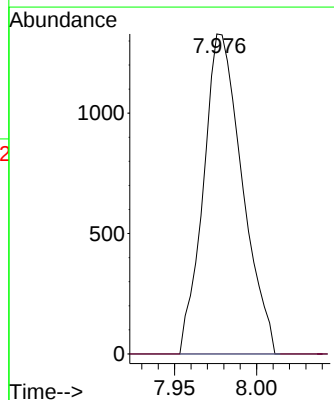
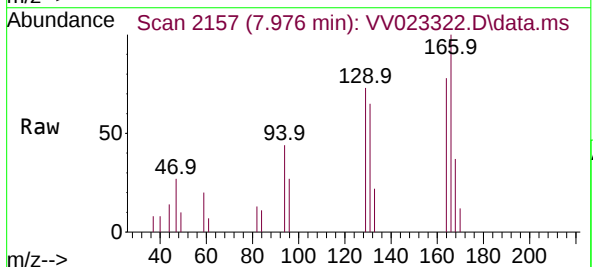
Instrument :
MSVOA_V
ClientSampleId :

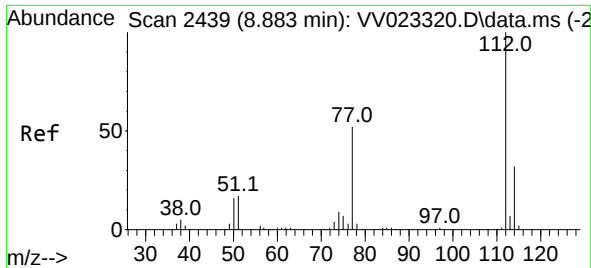
Tgt Ion: 43 Resp: 7444
Ion Ratio Lower Upper
43 100
58 38.3 43.7 65.5#
57 10.3 14.1 21.1#
100 5.6 10.2 15.2#



#49
Dibromochloromethane
Concen: 0.281 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

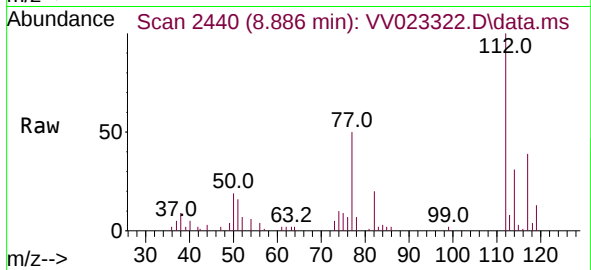
Tgt Ion: 129 Resp: 2186
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#



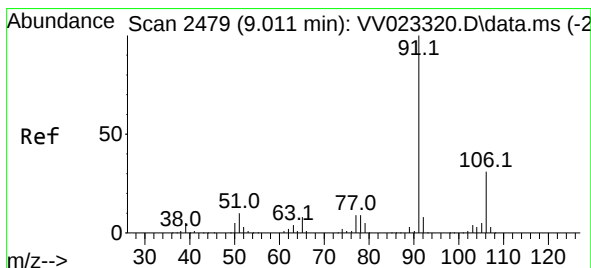
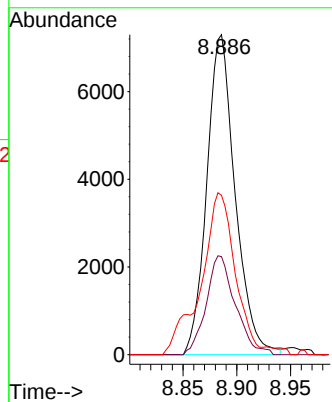
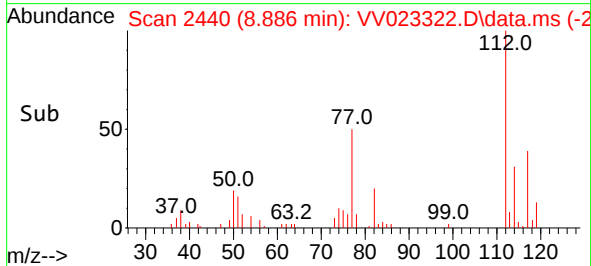


#51
Chlorobenzene
Concen: 0.514 ug/L
RT: 8.886 min Scan# 2439
Delta R.T. 0.003 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

Instrument :
MSVOA_V
ClientSampleId :

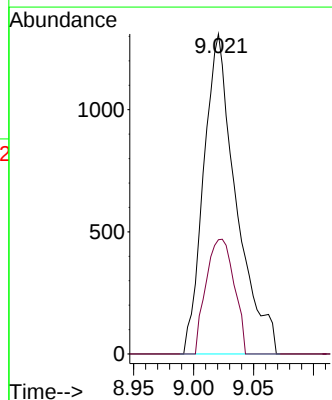
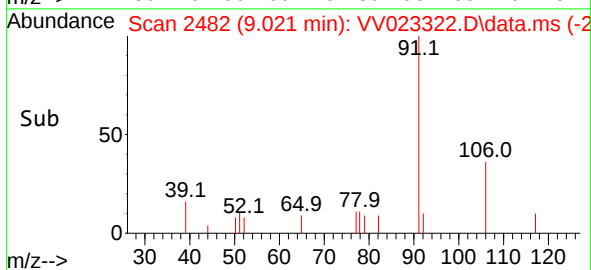
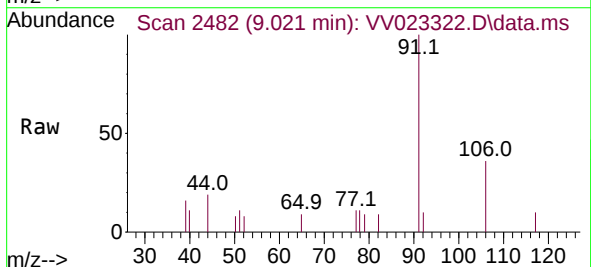


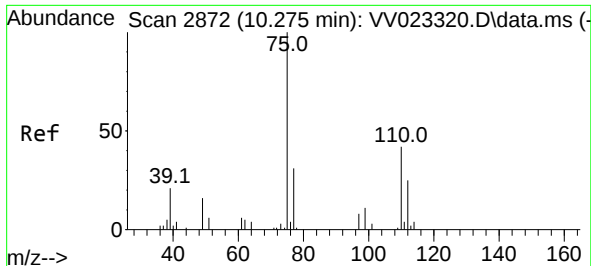
Tgt Ion: 112 Resp: 13381
Ion Ratio Lower Upper
112 100
114 30.6 22.0 40.8
77 49.8 44.4 66.6



#52
Ethylbenzene
Concen: 0.060 ug/L
RT: 9.021 min Scan# 2482
Delta R.T. 0.010 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

Tgt Ion: 91 Resp: 2465
Ion Ratio Lower Upper
91 100
106 35.7 22.5 41.9

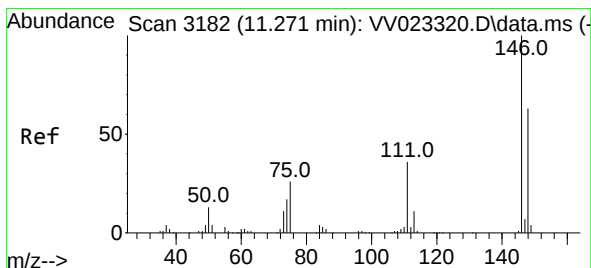
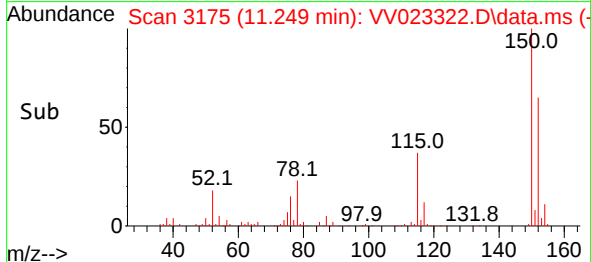
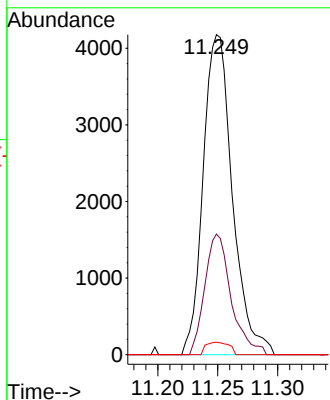
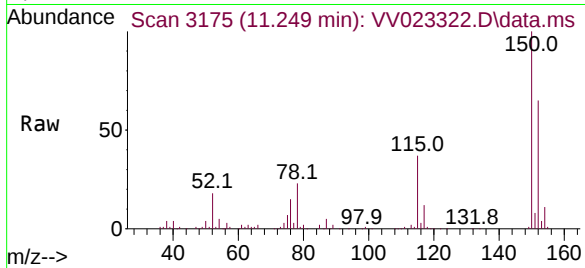




#61
1,2,3-Trichloropropane
Concen: 1.718 ug/L
RT: 11.249 min Scan# 31175
Delta R.T. 0.974 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

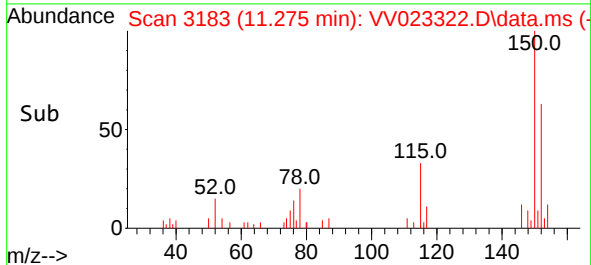
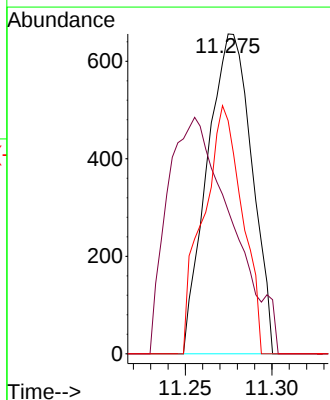
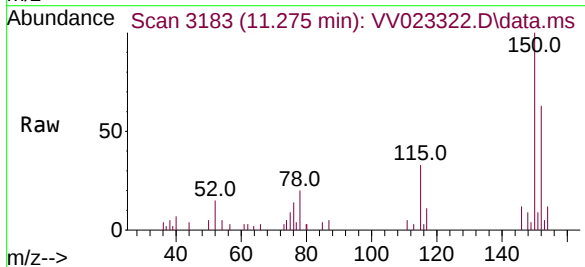
Instrument :
MSVOA_V
ClientSampleId :

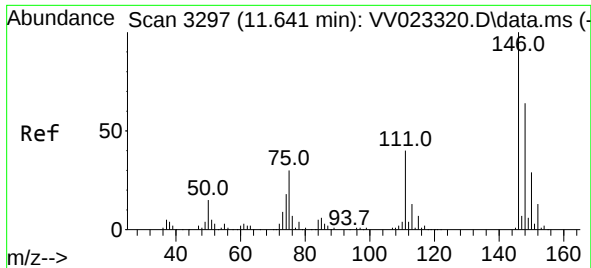
Tgt Ion: 75 Resp: 7095
Ion Ratio Lower Upper
75 100
77 33.9 26.6 39.8
110 3.1 31.8 47.6#



#65
1,4-Dichlorobenzene
Concen: 0.063 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV023322.D
Acq: 10 Nov 2021 11:03

Tgt Ion:146 Resp: 1174
Ion Ratio Lower Upper
146 100
111 44.8 26.2 48.8
148 72.9 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 0.951 ug/L

RT: 11.644 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV023322.D

Acq: 10 Nov 2021 11:03

Instrument :

MSVOA_V

ClientSampleId :

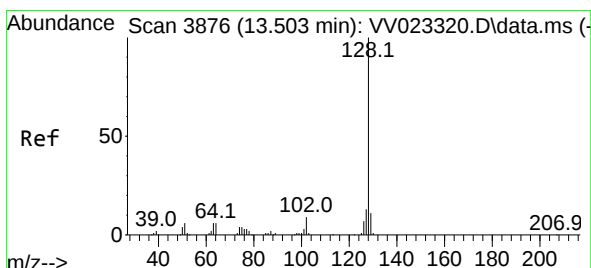
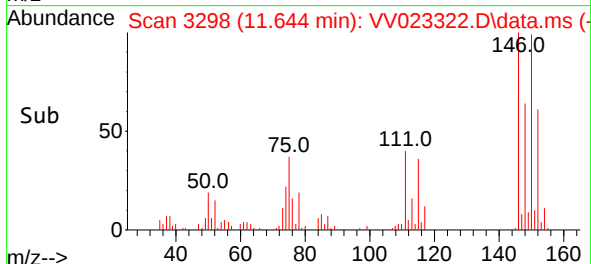
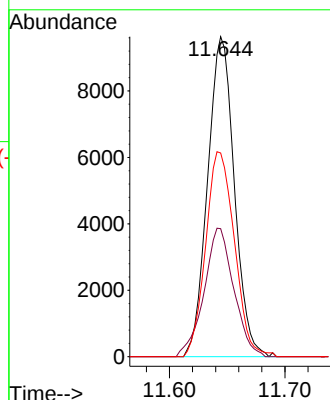
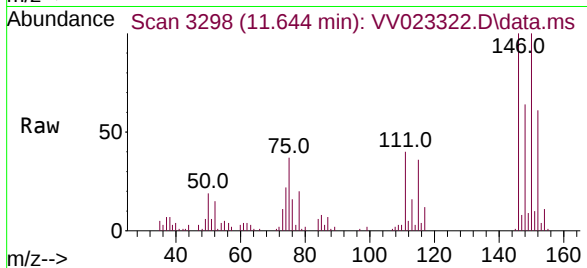
Tgt Ion:146 Resp: 15511

Ion Ratio Lower Upper

146 100

111 40.0 31.6 47.4

148 63.7 51.0 76.6



#71

Naphthalene

Concen: 0.106 ug/L

RT: 13.509 min Scan# 3878

Delta R.T. 0.006 min

Lab File: VV023322.D

Acq: 10 Nov 2021 11:03

Tgt Ion:128 Resp: 1788

Ion Ratio Lower Upper

128 100

129 3.6 8.6 13.0#

127 14.4 10.5 15.7

