

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112321\
 Data File : VW023682.D
 Acq On : 23 Nov 2021 19:42
 Operator : SY/MD
 Sample : M4723-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 24 05:01:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 24 04:42:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	133574	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	139238	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	74769	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	49454	4.510	ug/L	-0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.200%
7) Chloroethane-d5	1.552	69	38014	4.410	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.092	63	71300	3.690	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.800%
20) 2-Butanone-d5	3.870	46	100633	76.341	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	152.680%#
24) Chloroform-d	4.336	84	85181	4.461	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.024	65	44221	4.957	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.040	84	172532	4.549	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.063	67	51016	4.798	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.313	98	156599	4.419	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
43) trans-1,3-Dichloroprop...	7.622	79	19472	4.543	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.085	63	74258	52.145	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.280%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	35631	4.657	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	66329	5.018	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.192	50	74480	6.760	ug/L #	69
5) Vinyl chloride	1.291	62	317728	27.461	ug/L	99
12) 1,1-Dichloroethene	2.101	96	18932	2.116	ug/L #	38
15) Methyl Acetate	2.516	43	6251	2.322	ug/L #	50
18) trans-1,2-Dichloroethene	2.748	96	8095	0.794	ug/L	97
22) cis-1,2-Dichloroethene	3.892	96	4649331	475.603	ug/L	97
34) Trichloroethene	5.905	95	879410	82.702	ug/L	98
35) Methylcyclohexane	6.127	83	1838	0.111	ug/L	92
37) 1,2-Dichloropropane	6.066	63	6363	0.674	ug/L #	86
39) cis-1,3-Dichloropropene	6.986	75	1551	0.116	ug/L #	74
42) Toluene	7.391	91	8270	0.192	ug/L	92
47) Tetrachloroethene	7.973	164	360237	37.219	ug/L	98
48) 2-Hexanone	8.153	43	3262	0.980	ug/L #	87
49) Dibromochloromethane	7.973	129	307145	34.305	ug/L #	11
54) o-xylene	9.545	106	5564	0.327	ug/L	88
60) Isopropylbenzene	9.931	105	30972	0.694	ug/L	98
61) 1,2,3-Trichloropropane	9.931	75	335	0.063	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.738	105	60481	1.628	ug/L #	71
63) 1,2,4-Trimethylbenzene	11.085	105	36155	0.984	ug/L #	30

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 24 04:42:45 2021
Response via : Initial Calibration

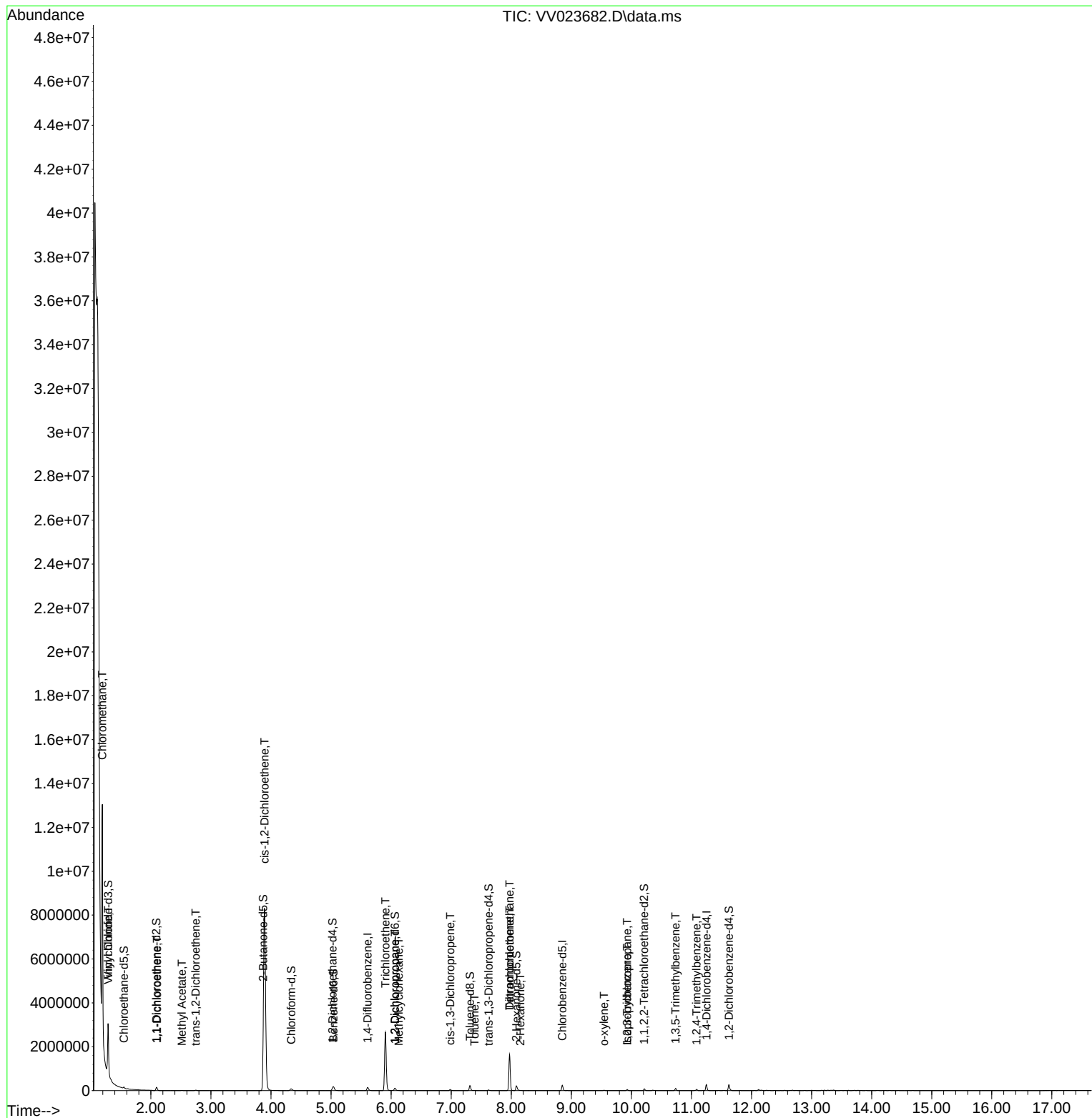
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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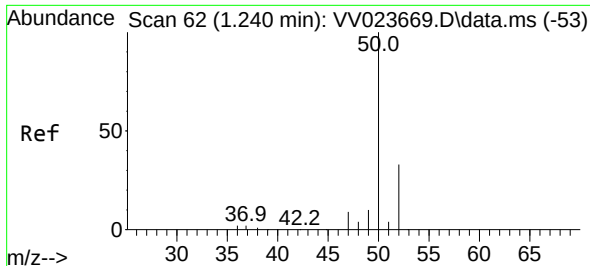
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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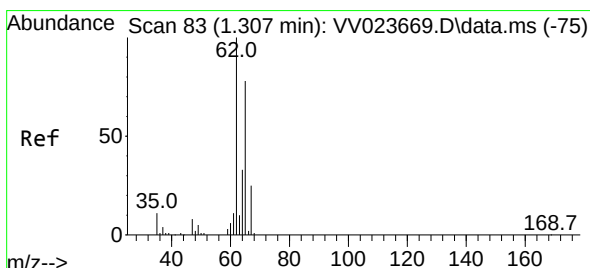
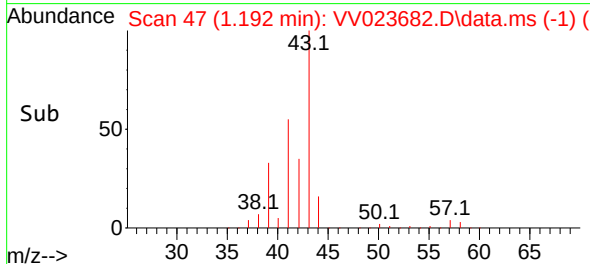
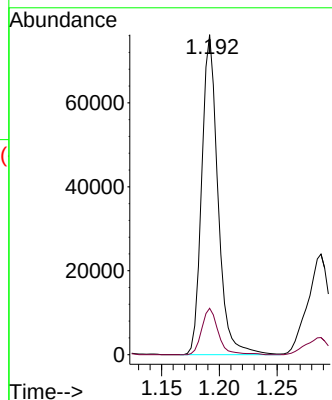
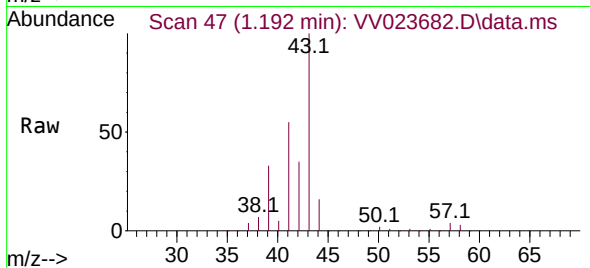




#3
Chloromethane
Concen: 6.760 ug/L
RT: 1.192 min Scan# 41
Delta R.T. -0.048 min
Lab File: VV023682.D
Acq: 23 Nov 2021 19:42

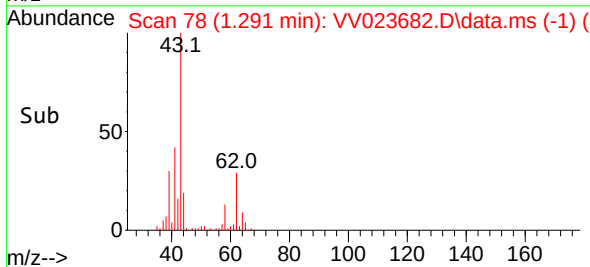
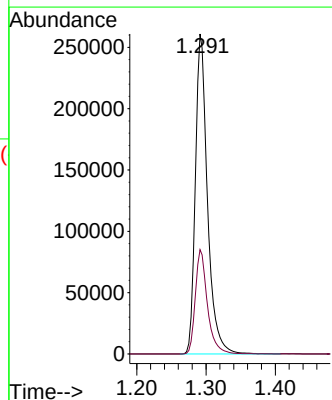
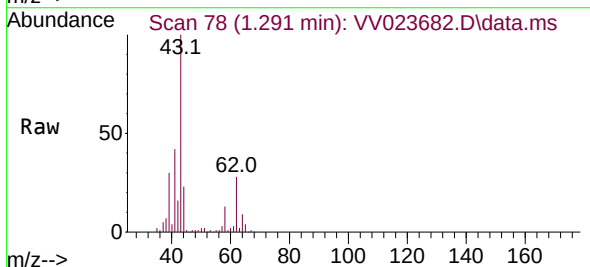
Instrument :
MSVOA_V
ClientSampleId :

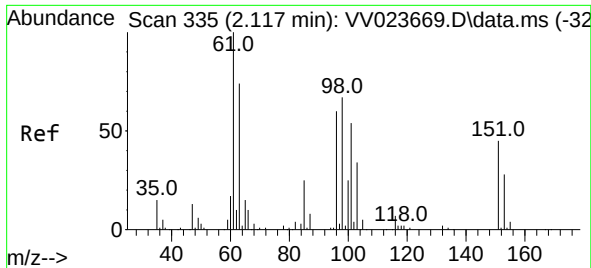
Tgt Ion: 50 Resp: 74480
Ion Ratio Lower Upper
50 100
52 14.5 22.0 41.0#



#5
Vinyl chloride
Concen: 27.461 ug/L
RT: 1.291 min Scan# 78
Delta R.T. -0.016 min
Lab File: VV023682.D
Acq: 23 Nov 2021 19:42

Tgt Ion: 62 Resp: 317728
Ion Ratio Lower Upper
62 100
64 32.6 22.4 41.6

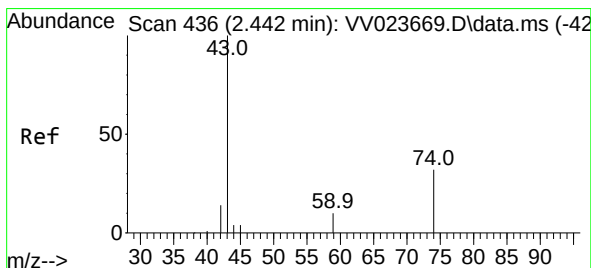
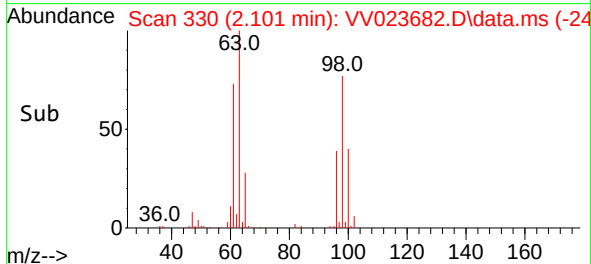
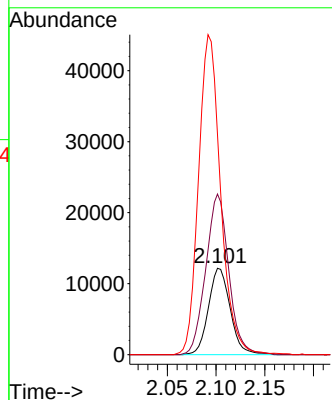
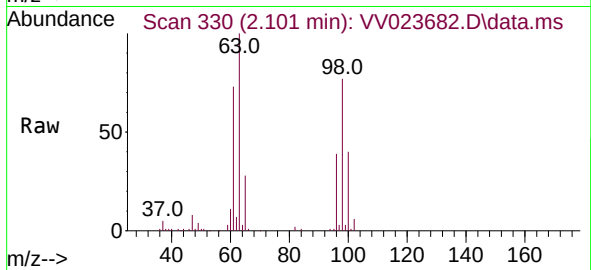




#12
1,1-Dichloroethene
Concen: 2.116 ug/L
RT: 2.101 min Scan# 31
Delta R.T. -0.016 min
Lab File: VV023682.D
Acq: 23 Nov 2021 19:42

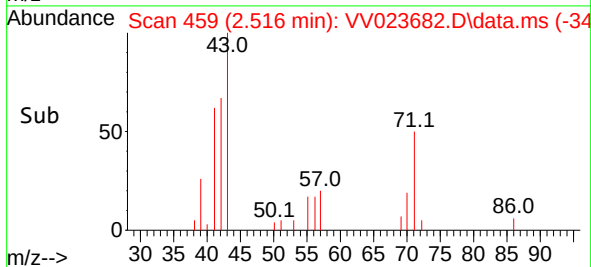
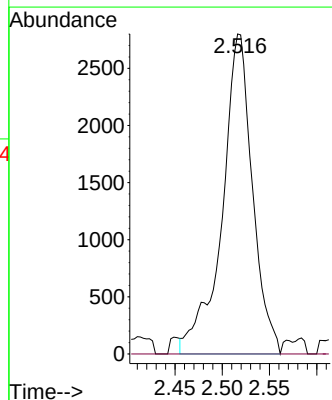
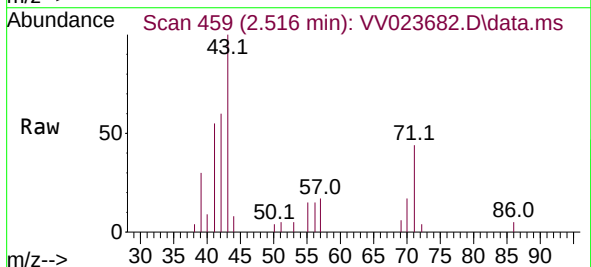
Instrument :
MSVOA_V
ClientSampleId :

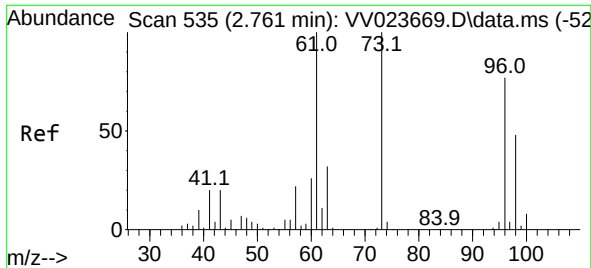
Tgt Ion: 96 Resp: 18932
Ion Ratio Lower Upper
96 100
61 185.8 116.1 215.5
63 254.9 79.4 147.4#



#15
Methyl Acetate
Concen: 2.322 ug/L
RT: 2.516 min Scan# 459
Delta R.T. 0.074 min
Lab File: VV023682.D
Acq: 23 Nov 2021 19:42

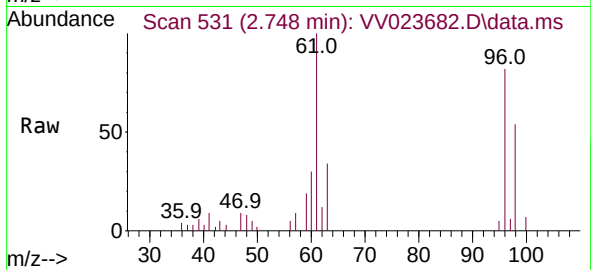
Tgt Ion: 43 Resp: 6251
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



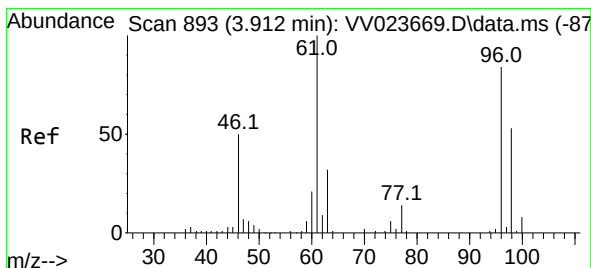
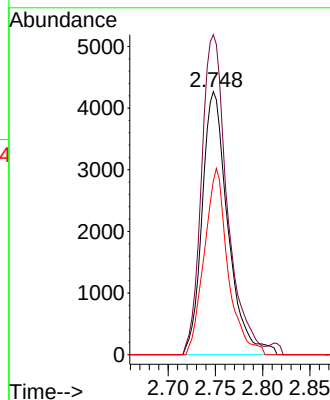
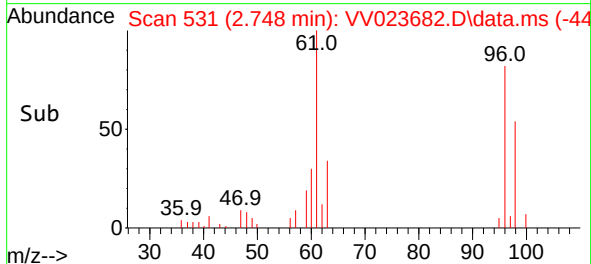


#18
trans-1,2-Dichloroethene
Concen: 0.794 ug/L
RT: 2.748 min Scan# 51
Delta R.T. -0.013 min
Lab File: VV023682.D
Acq: 23 Nov 2021 19:42

Instrument :
MSVOA_V
ClientSampleId :

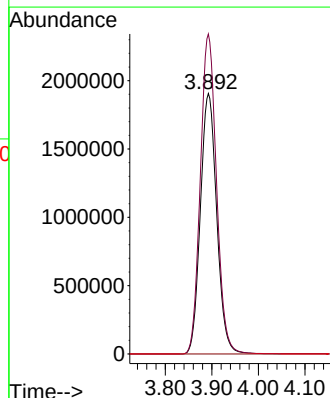
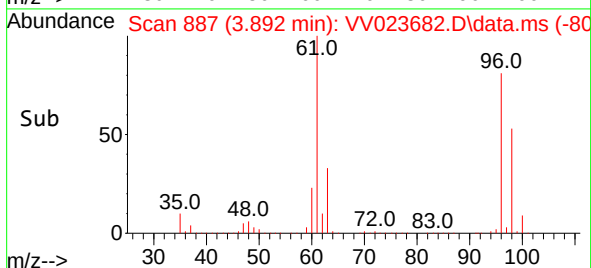
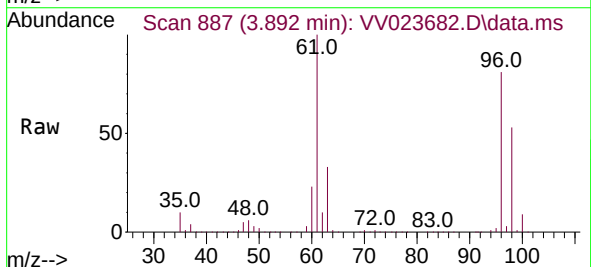


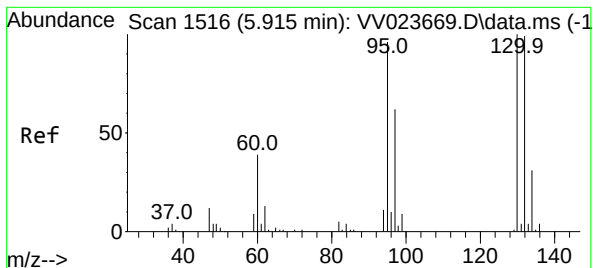
Tgt Ion: 96 Resp: 8095
Ion Ratio Lower Upper
96 100
61 121.6 88.2 163.8
98 66.0 44.9 83.5



#22
cis-1,2-Dichloroethene
Concen: 475.603 ug/L
RT: 3.892 min Scan# 887
Delta R.T. -0.019 min
Lab File: VV023682.D
Acq: 23 Nov 2021 19:42

Tgt Ion: 96 Resp: 4649331
Ion Ratio Lower Upper
96 100
61 122.8 83.4 154.8
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 82.702 ug/L

RT: 5.905 min Scan# 1

Delta R.T. -0.010 min

Lab File: VV023682.D

Acq: 23 Nov 2021 19:42

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 879410

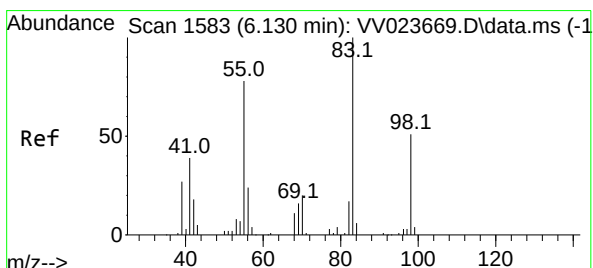
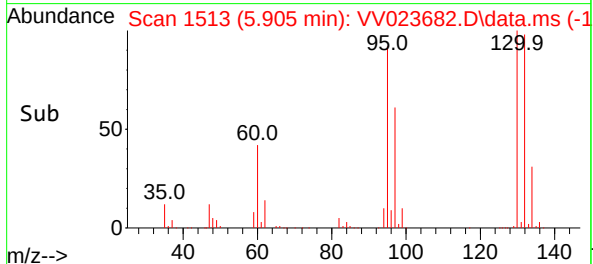
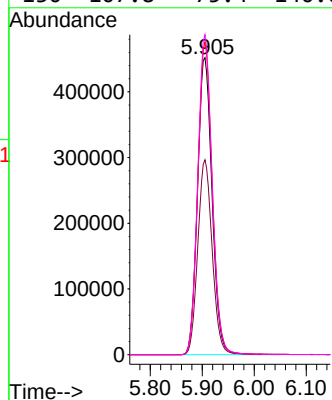
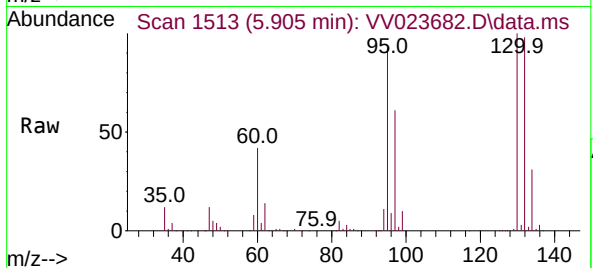
Ion Ratio Lower Upper

95 100

97 65.6 45.2 84.0

132 105.4 76.1 141.3

130 107.8 75.4 140.0



#35

Methylcyclohexane

Concen: 0.111 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.003 min

Lab File: VV023682.D

Acq: 23 Nov 2021 19:42

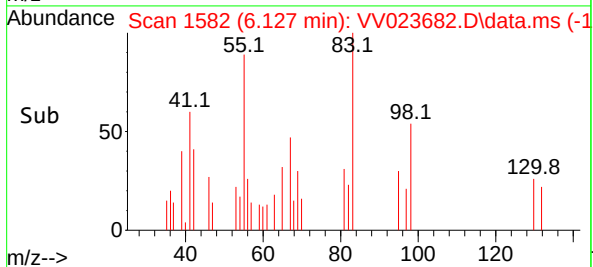
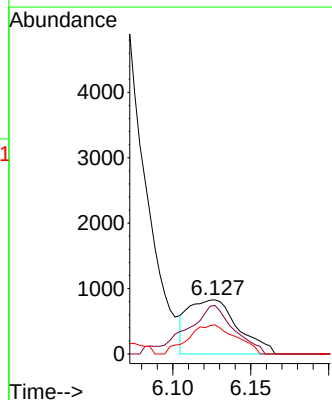
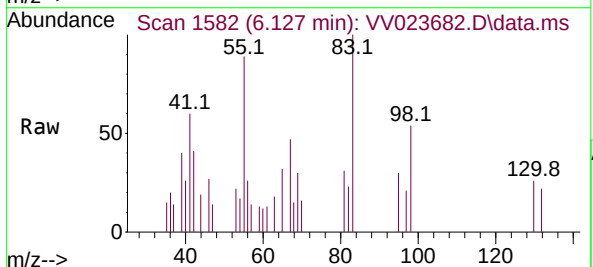
Tgt Ion: 83 Resp: 1838

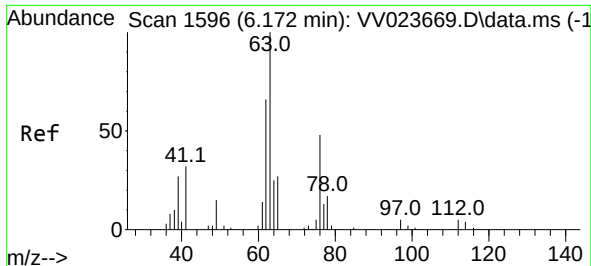
Ion Ratio Lower Upper

83 100

55 86.4 60.2 90.2

98 51.1 41.0 61.4





#37

1,2-Dichloropropane

Concen: 0.674 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV023682.D

Acq: 23 Nov 2021 19:42

Instrument :

MSVOA_V

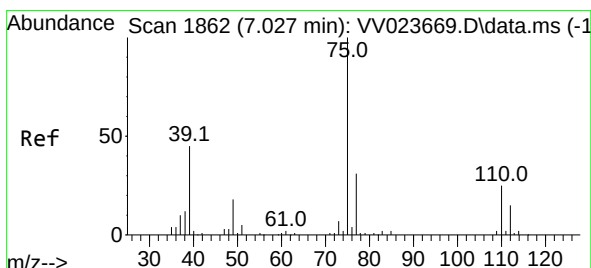
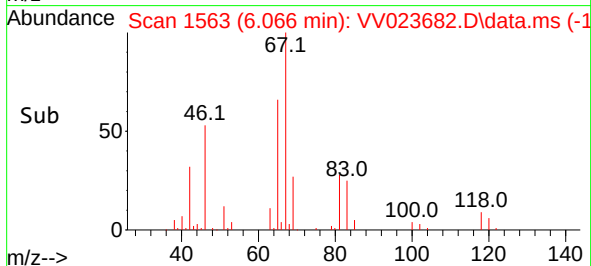
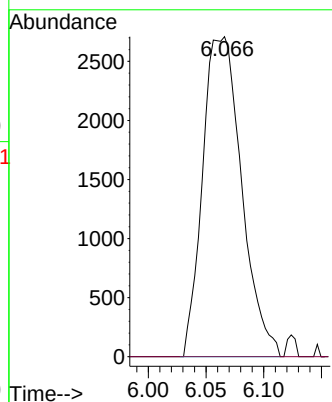
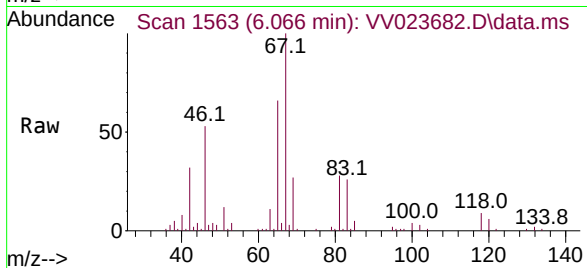
ClientSampleId :

Tgt Ion: 63 Resp: 6363

Ion Ratio Lower Upper

63 100

112 0.7 4.3 6.5#



#39

cis-1,3-Dichloropropene

Concen: 0.116 ug/L

RT: 6.986 min Scan# 1849

Delta R.T. -0.042 min

Lab File: VV023682.D

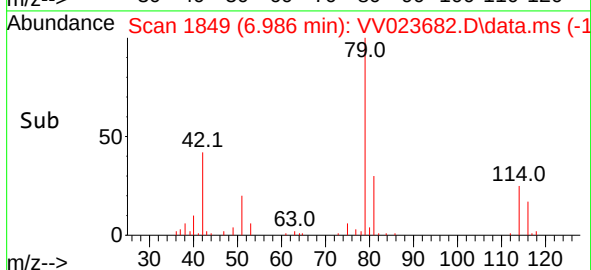
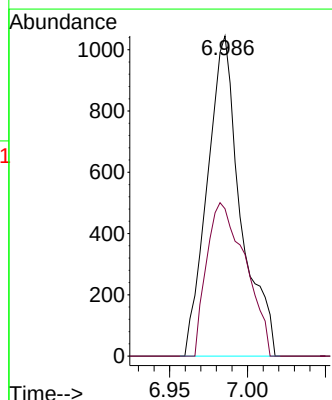
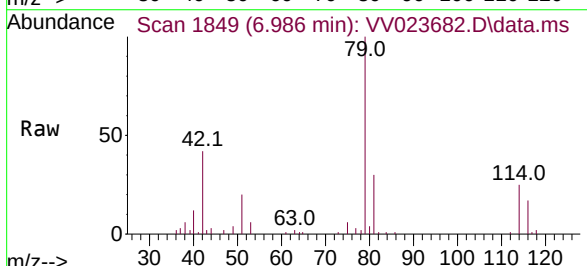
Acq: 23 Nov 2021 19:42

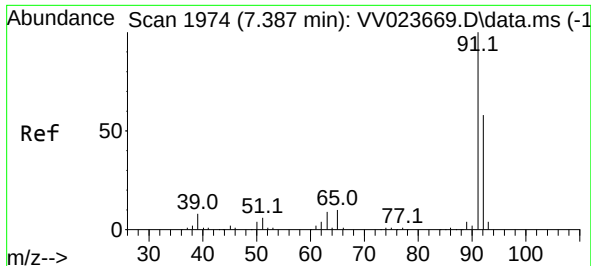
Tgt Ion: 75 Resp: 1551

Ion Ratio Lower Upper

75 100

77 46.0 22.0 41.0#

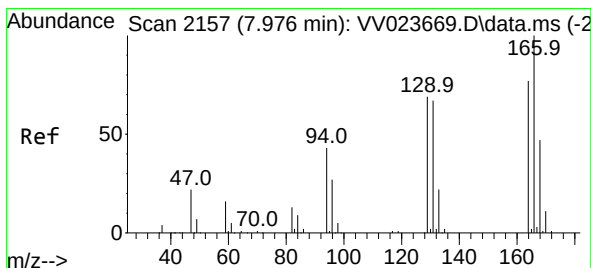
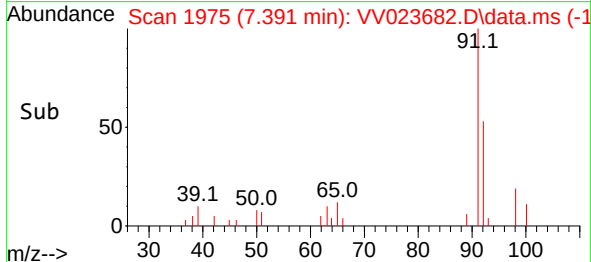
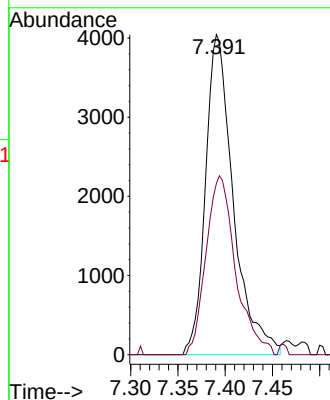
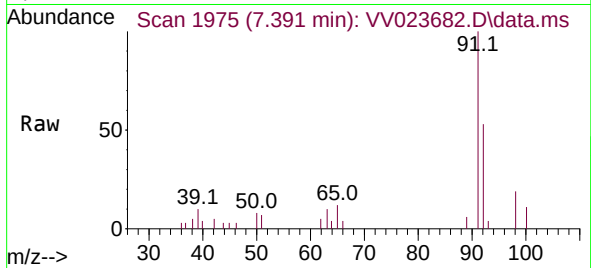




#42
Toluene
Concen: 0.192 ug/L
RT: 7.391 min Scan# 1974
Delta R.T. 0.003 min
Lab File: VV023682.D
Acq: 23 Nov 2021 19:42

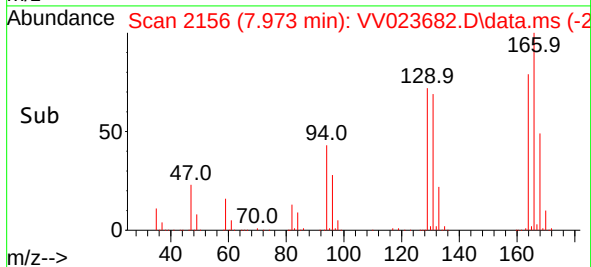
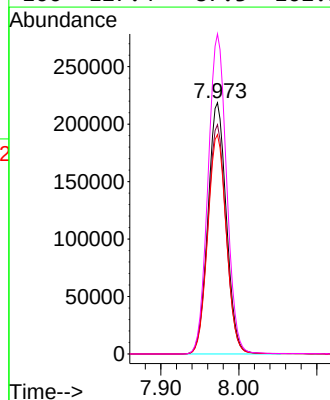
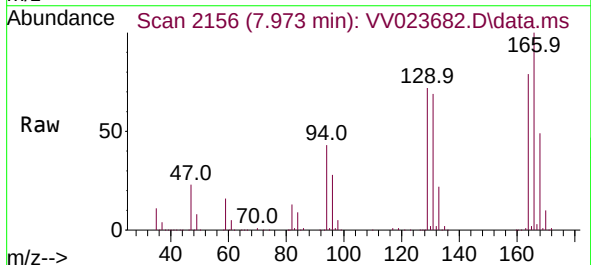
Instrument :
MSVOA_V
ClientSampleId :

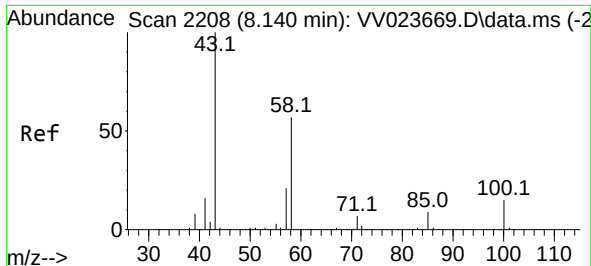
Tgt Ion: 91 Resp: 8270
Ion Ratio Lower Upper
91 100
92 53.5 41.5 77.1



#47
Tetrachloroethene
Concen: 37.219 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.003 min
Lab File: VV023682.D
Acq: 23 Nov 2021 19:42

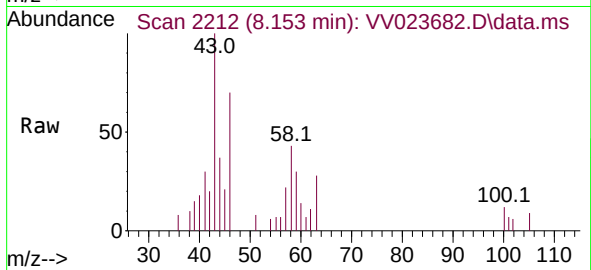
Tgt Ion: 164 Resp: 360237
Ion Ratio Lower Upper
164 100
129 91.2 62.6 116.2
131 87.3 61.0 113.4
166 127.4 87.3 162.1



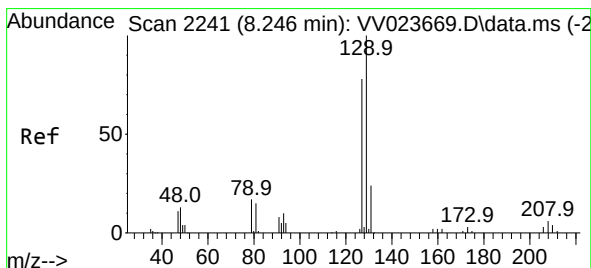
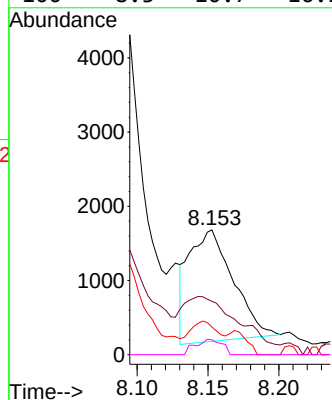
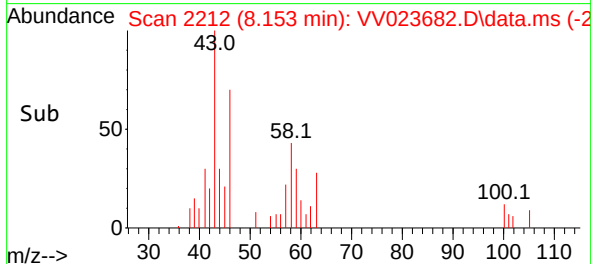


#48
2-Hexanone
Concen: 0.980 ug/L
RT: 8.153 min Scan# 2156
Delta R.T. 0.013 min
Lab File: VV023682.D
Acq: 23 Nov 2021 19:42

Instrument :
MSVOA_V
ClientSampleId :

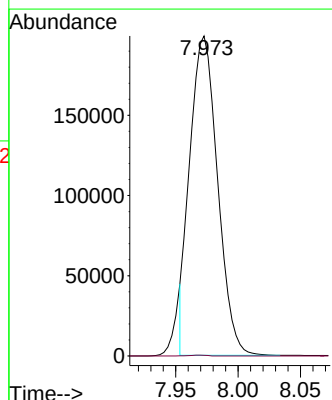
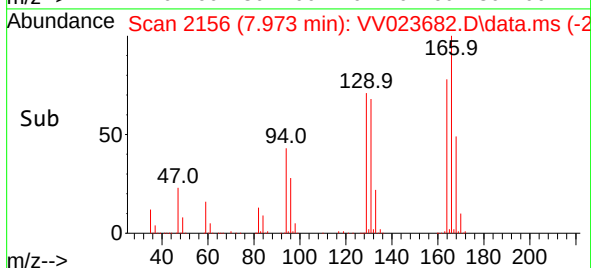
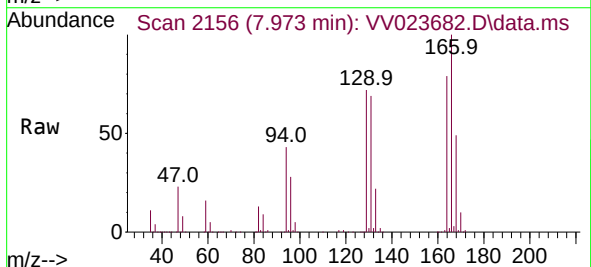


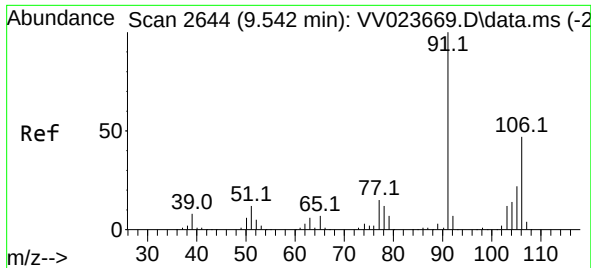
Tgt Ion: 43	Resp: 3262
Ion Ratio	Lower Upper
43 100	
58 67.7	44.5 66.7#
57 20.4	15.1 22.7
100 8.3	10.7 16.1#



#49
Dibromochloromethane
Concen: 34.305 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.273 min
Lab File: VV023682.D
Acq: 23 Nov 2021 19:42

Tgt Ion:129	Resp: 307145		
Ion Ratio	Lower	Upper	
129 100			
127 0.2	53.5	99.3#	

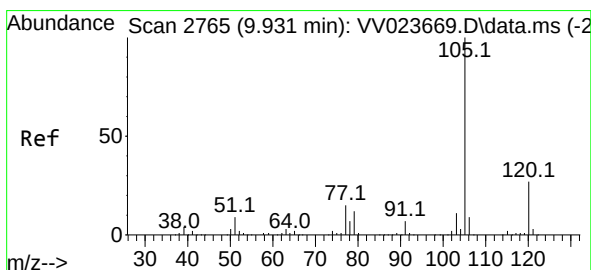
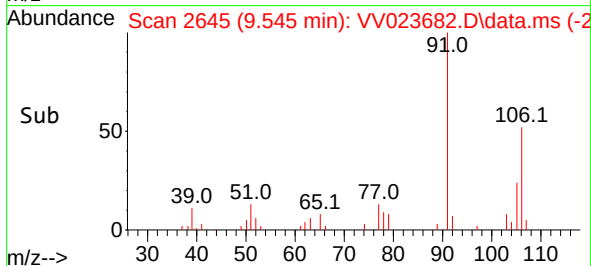
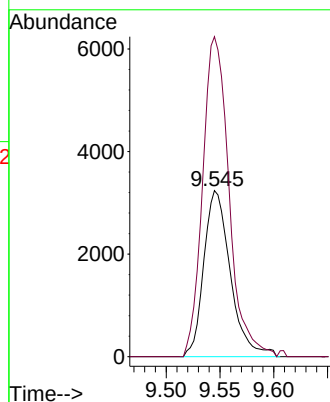
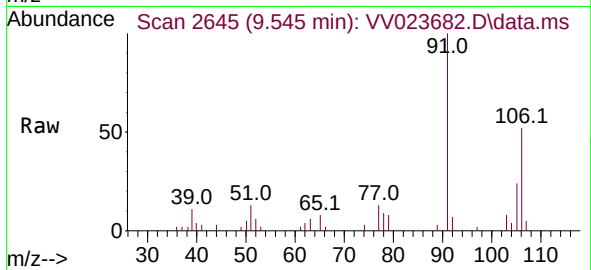




#54
o-xylene
Concen: 0.327 ug/L
RT: 9.545 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV023682.D
Acq: 23 Nov 2021 19:42

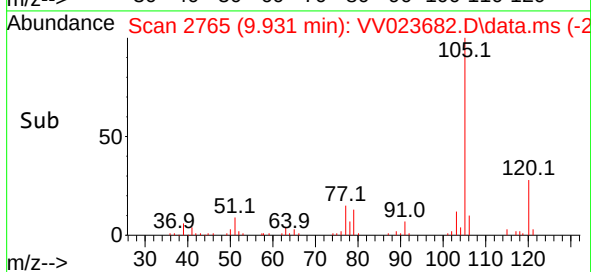
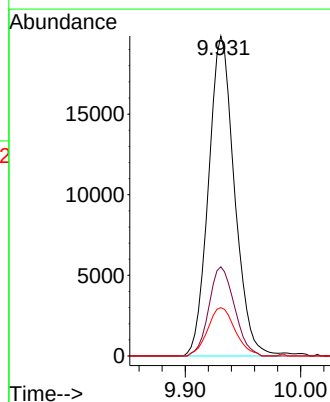
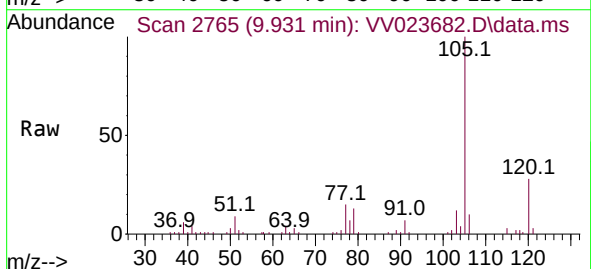
Instrument :
MSVOA_V
ClientSampleId :

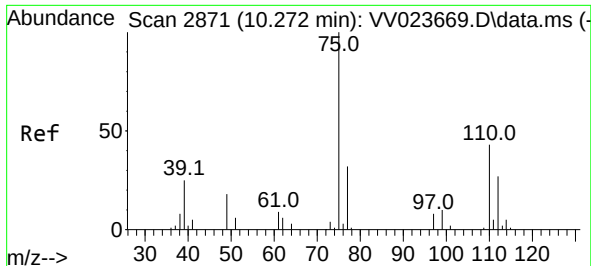
Tgt Ion:106 Resp: 5564
Ion Ratio Lower Upper
106 100
91 192.7 147.9 274.7



#60
Isopropylbenzene
Concen: 0.694 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV023682.D
Acq: 23 Nov 2021 19:42

Tgt Ion:105 Resp: 30972
Ion Ratio Lower Upper
105 100
120 27.4 21.4 32.0
77 16.0 12.2 18.4

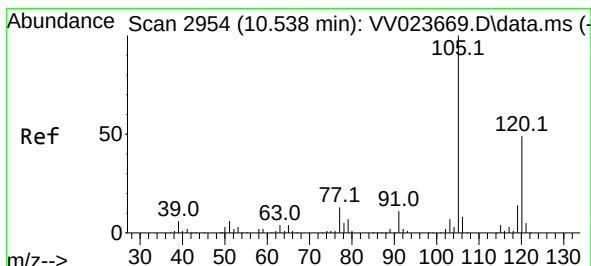
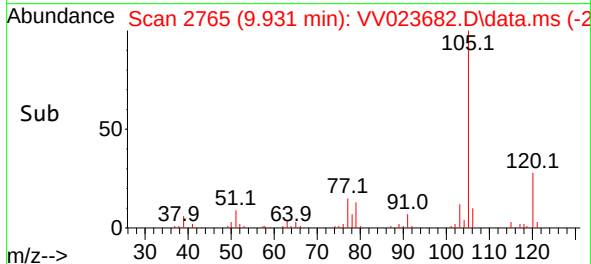
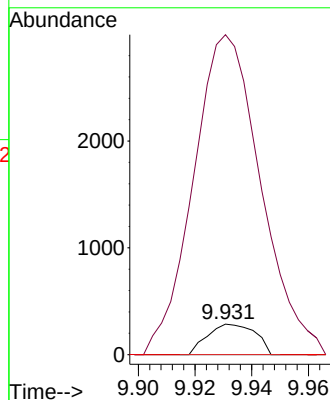
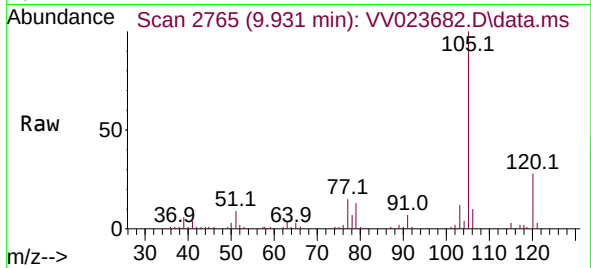




#61
 1,2,3-Trichloropropane
 Concen: 0.063 ug/L
 RT: 9.931 min Scan# 21
 Delta R.T. -0.341 min
 Lab File: VV023682.D
 Acq: 23 Nov 2021 19:42

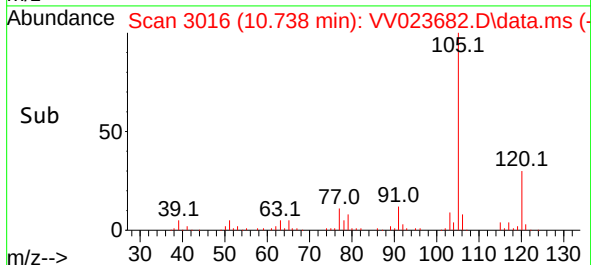
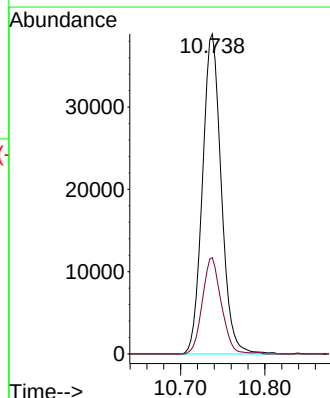
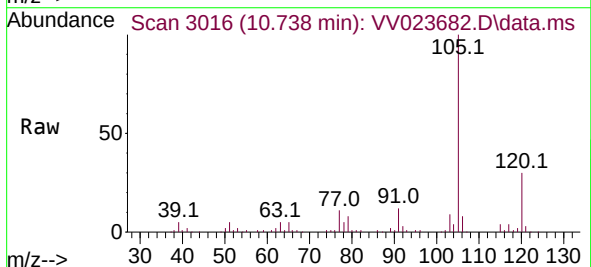
Instrument :
 MSVOA_V
 ClientSampleId :

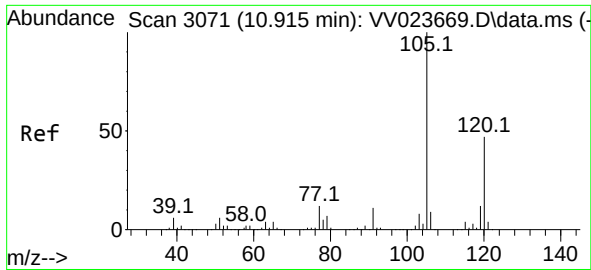
Tgt Ion: 75 Resp: 335
 Ion Ratio Lower Upper
 75 100
 77 1479.4 26.4 39.6#
 110 0.0 34.2 51.2#



#62
 1,3,5-Trimethylbenzene
 Concen: 1.628 ug/L
 RT: 10.738 min Scan# 3016
 Delta R.T. 0.199 min
 Lab File: VV023682.D
 Acq: 23 Nov 2021 19:42

Tgt Ion: 105 Resp: 60481
 Ion Ratio Lower Upper
 105 100
 120 30.1 40.1 60.1#





#63

1,2,4-Trimethylbenzene

Concen: 0.984 ug/L

RT: 11.085 min Scan# 31

Delta R.T. 0.170 min

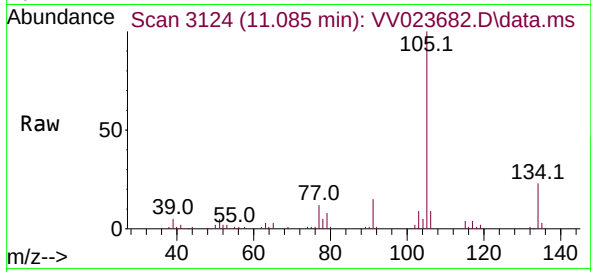
Lab File: VV023682.D

Acq: 23 Nov 2021 19:42

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:105 Resp: 36155

Ion Ratio Lower Upper

105 100

120 0.0 36.7 55.1#

