

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120621\
 Data File : VW023804.D
 Acq On : 06 Dec 2021 17:44
 Operator : SY/MD
 Sample : M4979-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 07 05:33:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	161850	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	154637	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	79785	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	38983	2.934	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.600%
7) Chloroethane-d5	1.568	69	32751	3.136	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	62.800%#
11) 1,1-Dichloroethene-d2	2.108	63	61623	2.632	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.600%#
20) 2-Butanone-d5	3.889	46	103619	64.873	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.740%
24) Chloroform-d	4.349	84	97556	4.217	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
26) 1,2-Dichloroethane-d4	5.034	65	47712	4.414	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
32) Benzene-d6	5.050	84	193990	4.605	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.069	67	57537	4.872	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.317	98	182667	4.641	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	7.625	79	22853	4.801	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.000%
46) 2-Hexanone-d5	8.088	63	97128	61.413	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.820%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40153	4.725	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	74688	5.295	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	787	0.059	ug/L	93
6) Bromomethane	1.526	94	625	0.079	ug/L	98
8) Chloroethane	1.465	64	31716	3.570	ug/L #	55
12) 1,1-Dichloroethene	2.111	96	671	0.062	ug/L #	1
13) Acetone	2.178	43	2224	1.547	ug/L	93
18) trans-1,2-Dichloroethene	2.764	96	1808	0.146	ug/L	97
22) cis-1,2-Dichloroethene	3.912	96	127749	10.785	ug/L	98
34) Trichloroethene	5.915	95	115073	9.744	ug/L	98
35) Methylcyclohexane	6.072	83	13917	0.756	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	6736	0.643	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1579	0.106	ug/L #	36
42) Toluene	7.400	91	3815	0.080	ug/L	93
45) 1,1,2-Trichloroethane	7.982	97	54289	7.482	ug/L #	4
47) Tetrachloroethene	7.982	164	6188307	575.701	ug/L	96
48) 2-Hexanone	8.088	43	10248	2.772	ug/L #	64
49) Dibromochloromethane	7.982	129	5802688	583.570	ug/L #	11
52) Ethylbenzene	9.017	91	5873	0.118	ug/L	92
53) m,p-xylene	9.143	106	3526	0.177	ug/L	97
61) 1,2,3-Trichloropropane	11.249	75	9069	1.603	ug/L #	65

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 02 02:08:23 2021
Response via : Initial Calibration

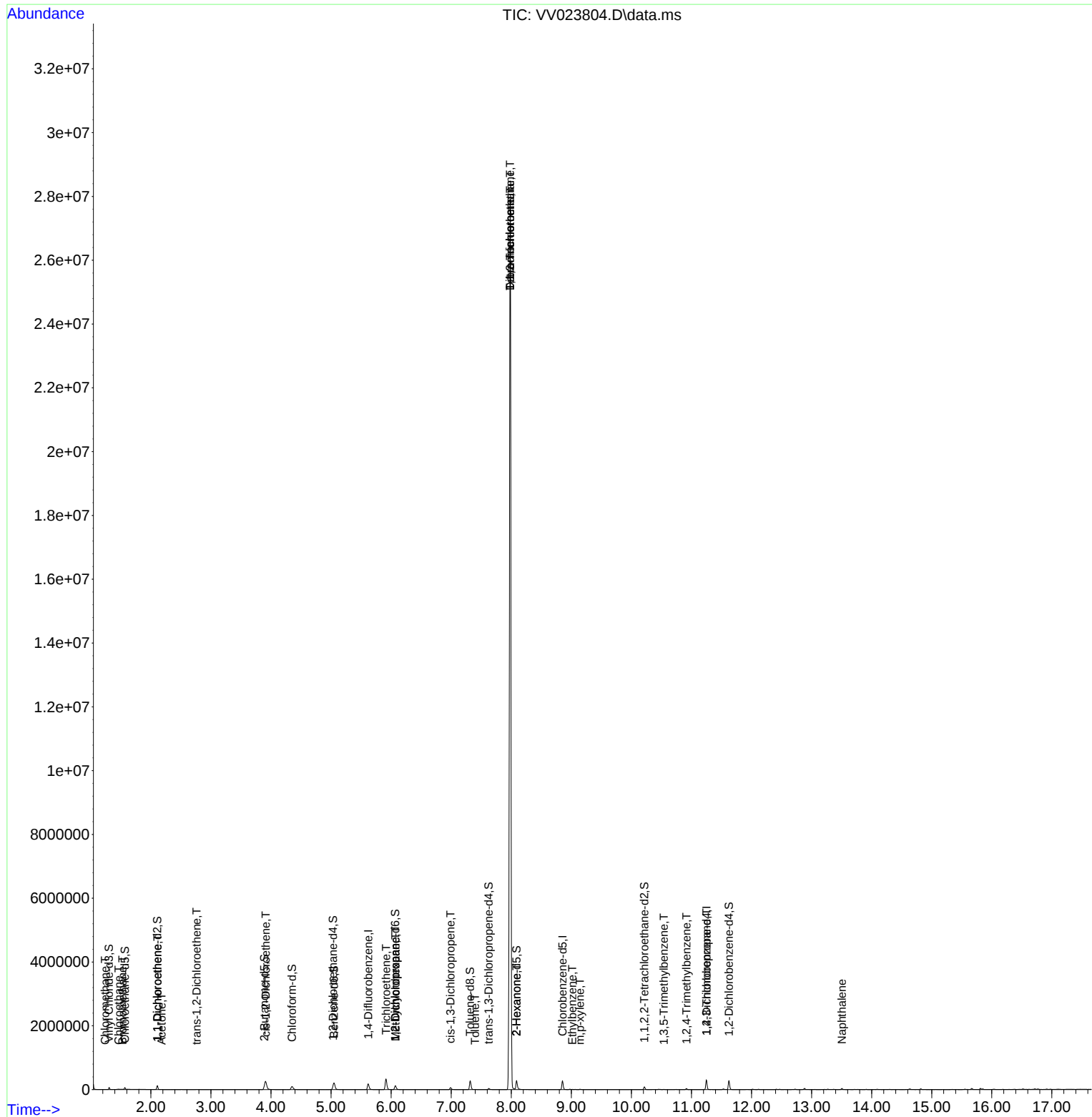
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.541	105	4056	0.102	ug/L	100
63) 1,2,4-Trimethylbenzene	10.918	105	17430	0.445	ug/L	98
71) Naphthalene	13.506	128	29404	1.481	ug/L	99

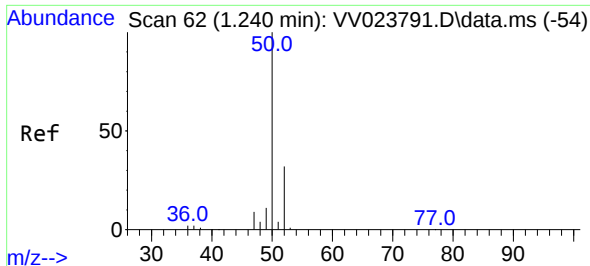
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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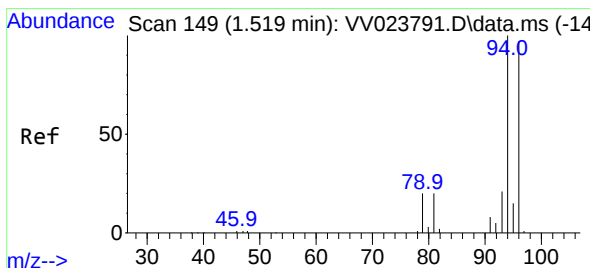
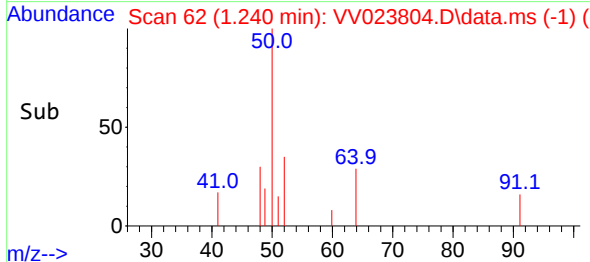
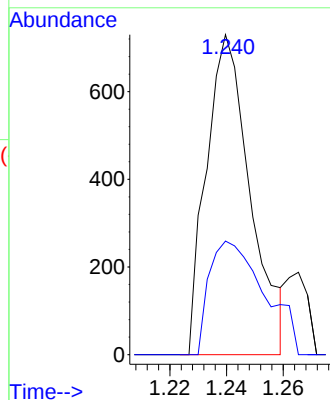
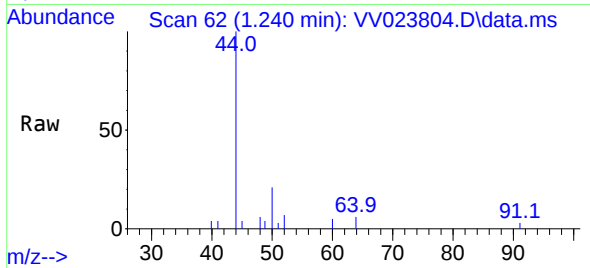




#3
Chloromethane
Concen: 0.059 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

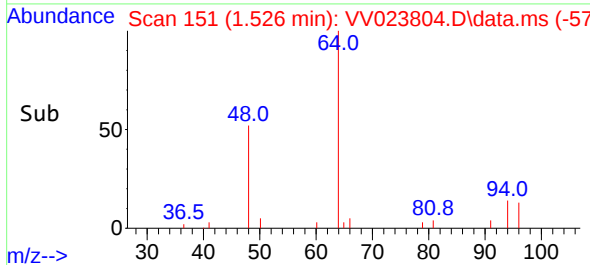
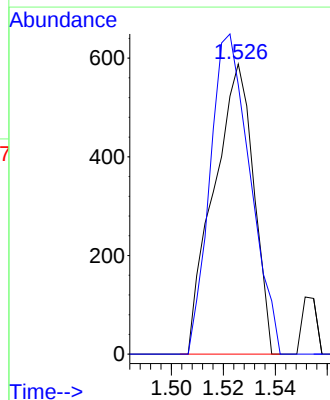
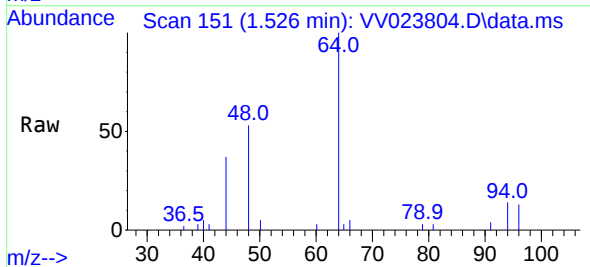
Instrument :
MSVOA_V
ClientSampleId :

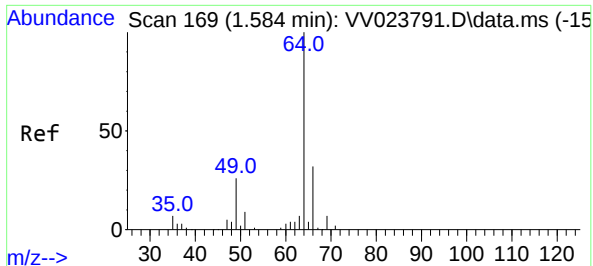
Tgt Ion: 50 Resp: 787
Ion Ratio Lower Upper
50 100
52 35.5 22.0 41.0



#6
Bromomethane
Concen: 0.079 ug/L
RT: 1.526 min Scan# 151
Delta R.T. 0.003 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

Tgt Ion: 94 Resp: 625
Ion Ratio Lower Upper
94 100
96 92.9 66.2 123.0

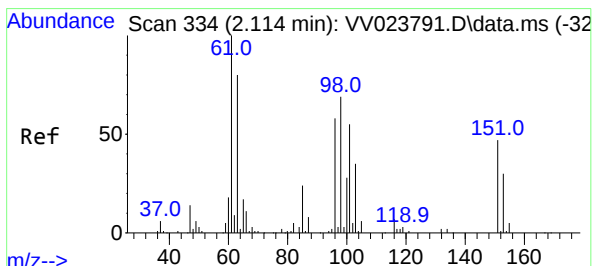
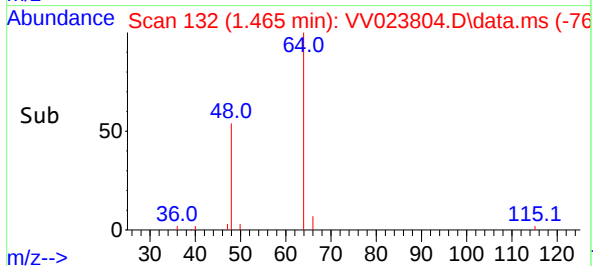
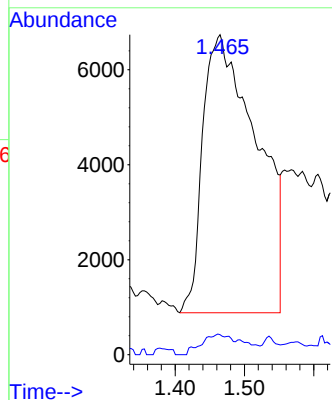
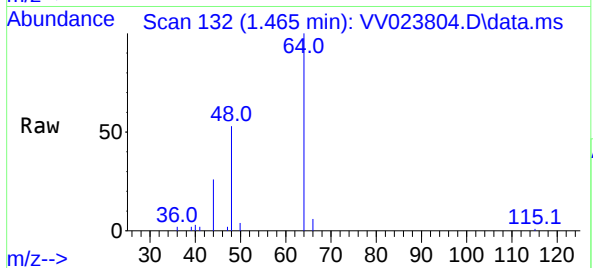




#8
Chloroethane
Concen: 3.570 ug/L
RT: 1.465 min Scan# 11
Delta R.T. -0.119 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

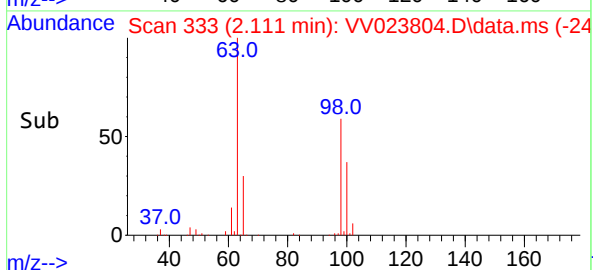
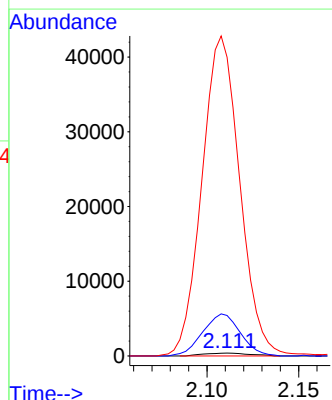
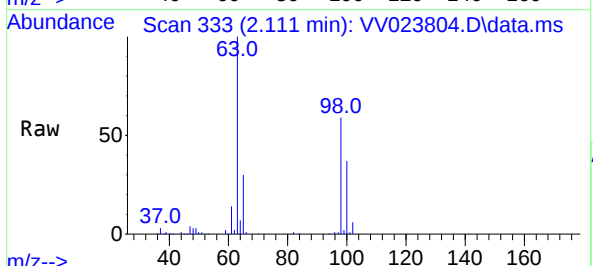
Instrument :
MSVOA_V
ClientSampleId :

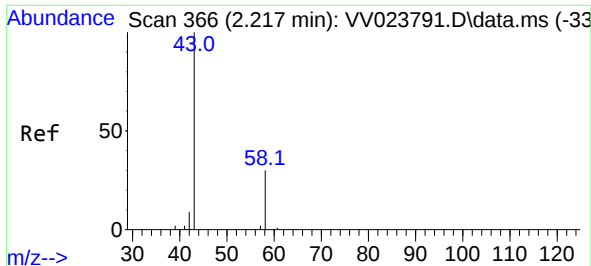
Tgt Ion: 64 Resp: 31716
Ion Ratio Lower Upper
64 100
66 6.2 21.4 39.8#



#12
1,1-Dichloroethene
Concen: 0.062 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

Tgt Ion: 96 Resp: 671
Ion Ratio Lower Upper
96 100
61 1434.2 116.1 215.5#
63 10605.8 79.4 147.4#





#13

Acetone

Concen: 1.547 ug/L

RT: 2.178 min Scan# 3

Delta R.T. -0.045 min

Lab File: VV023804.D

Acq: 06 Dec 2021 17:44

Instrument :

MSVOA_V

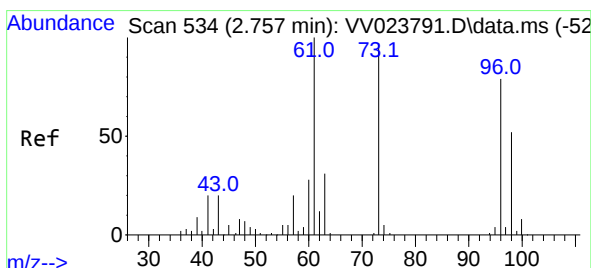
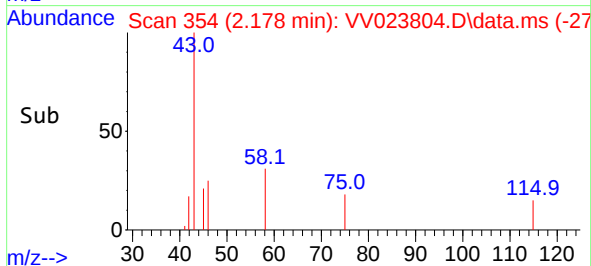
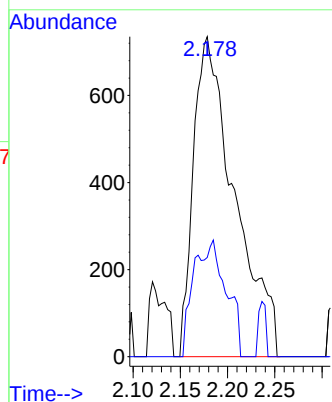
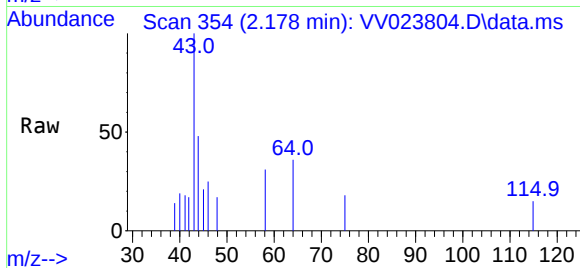
ClientSampleId :

Tgt Ion: 43 Resp: 2224

Ion Ratio Lower Upper

43 100

58 17.4 0.0 41.4



#18

trans-1,2-Dichloroethene

Concen: 0.146 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.006 min

Lab File: VV023804.D

Acq: 06 Dec 2021 17:44

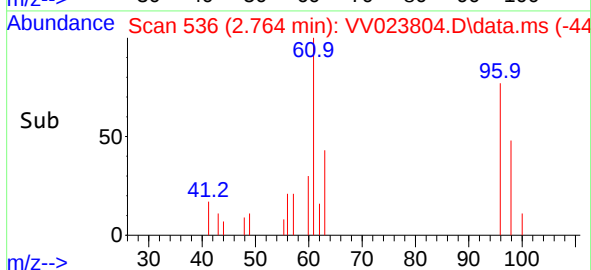
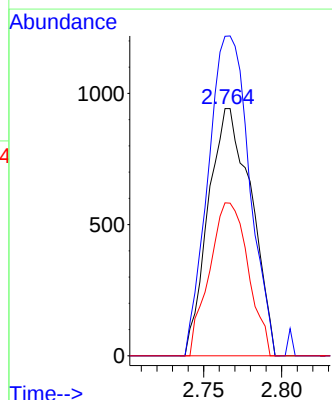
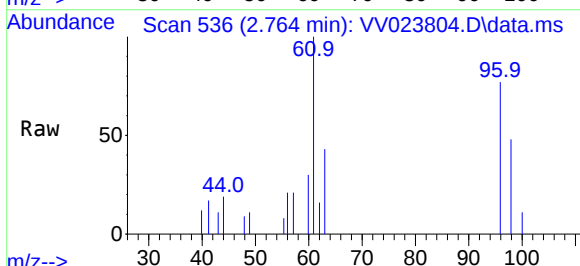
Tgt Ion: 96 Resp: 1808

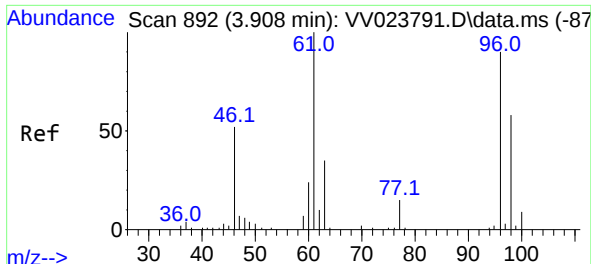
Ion Ratio Lower Upper

96 100

61 129.3 88.2 163.8

98 61.9 44.9 83.5

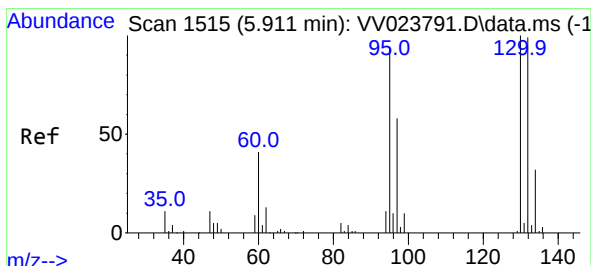
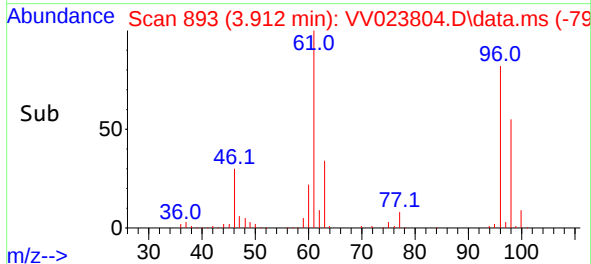
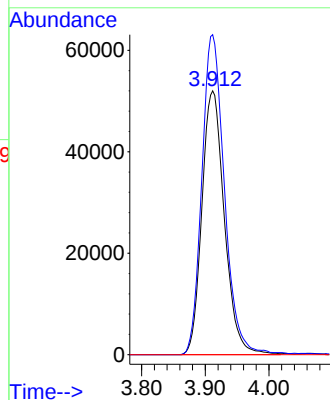
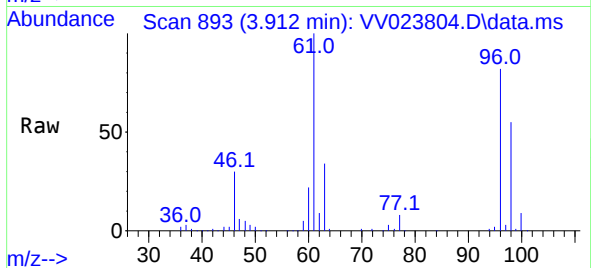




#22
cis-1,2-Dichloroethene
Concen: 10.785 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.003 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

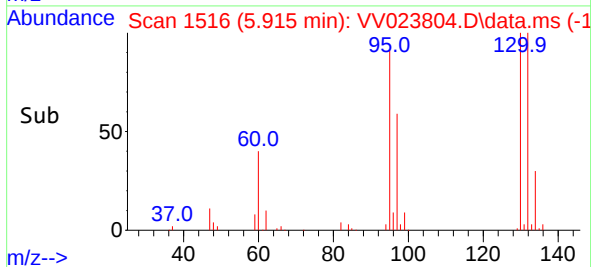
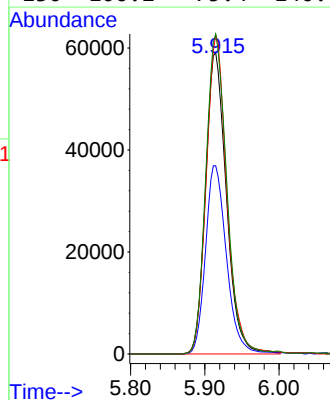
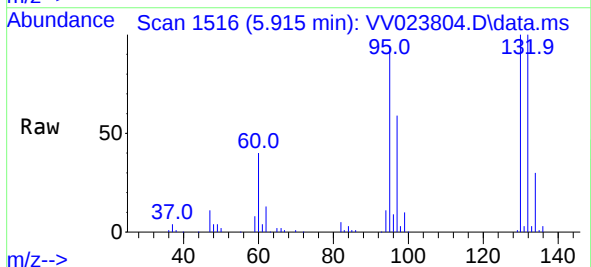
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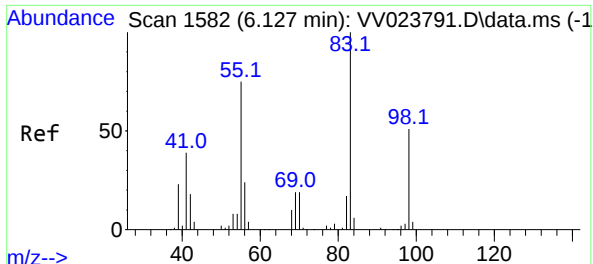
Tgt Ion: 96 Resp: 127749
Ion Ratio Lower Upper
96 100
61 121.3 83.4 154.8
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 9.744 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

Tgt Ion: 95 Resp: 115073
Ion Ratio Lower Upper
95 100
97 62.4 45.2 84.0
132 105.8 76.1 141.3
130 106.2 75.4 140.0





#35

Methylcyclohexane

Concen: 0.756 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.055 min

Lab File: VV023804.D

Acq: 06 Dec 2021 17:44

Instrument :

MSVOA_V

ClientSampleId :

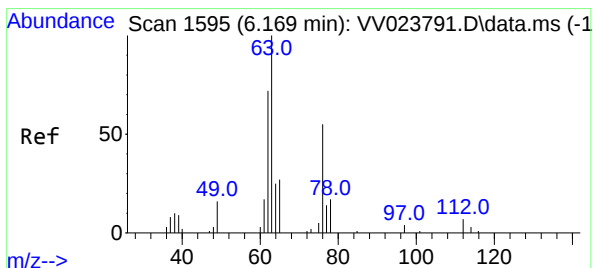
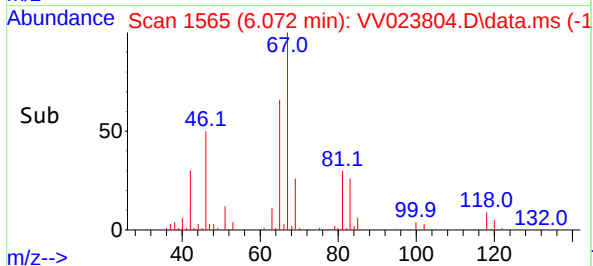
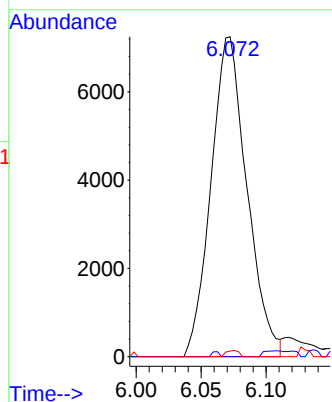
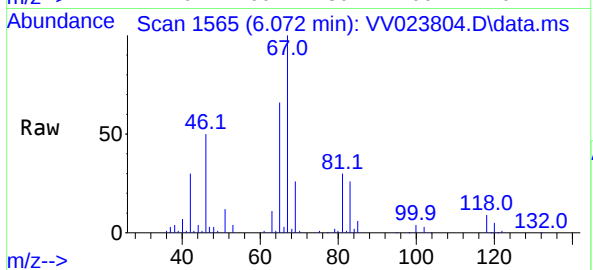
Tgt Ion: 83 Resp: 13917

Ion Ratio Lower Upper

83 100

55 0.3 60.2 90.2#

98 0.9 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.643 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.096 min

Lab File: VV023804.D

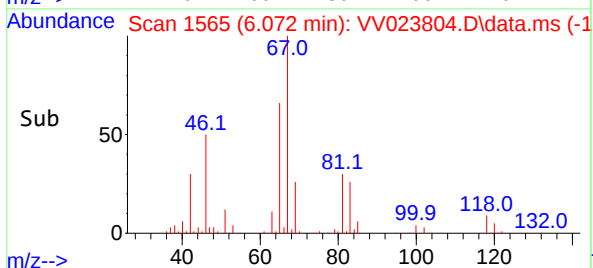
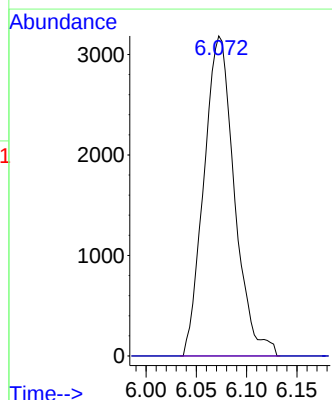
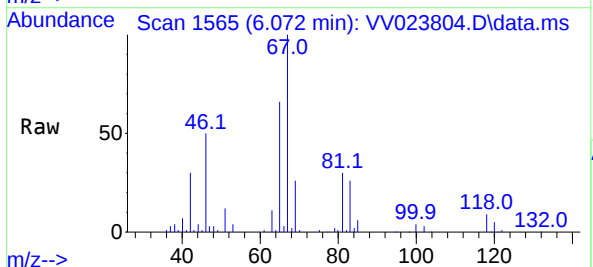
Acq: 06 Dec 2021 17:44

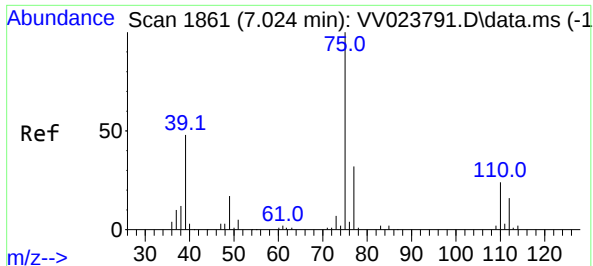
Tgt Ion: 63 Resp: 6736

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV023804.D

Acq: 06 Dec 2021 17:44

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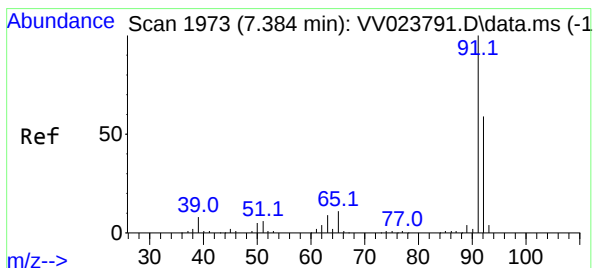
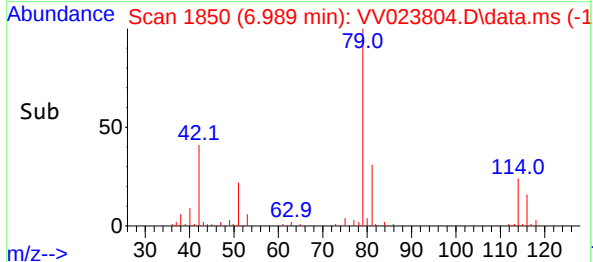
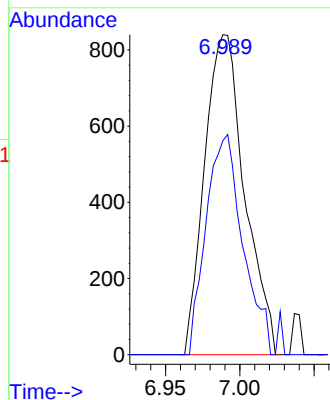
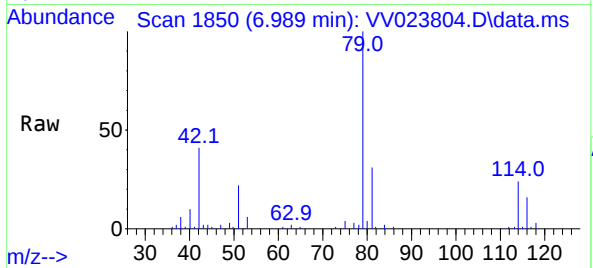
ClientSampleId :

Tgt Ion: 75 Resp: 1579

Ion Ratio Lower Upper

75 100

77 66.9 22.0 41.0#



#42

Toluene

Concen: 0.080 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.016 min

Lab File: VV023804.D

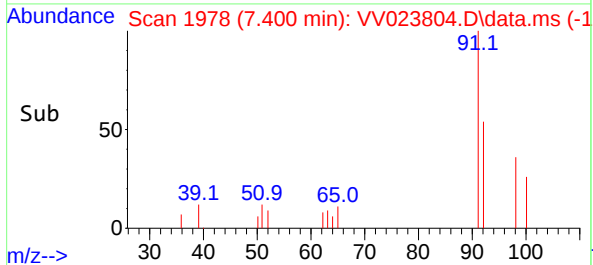
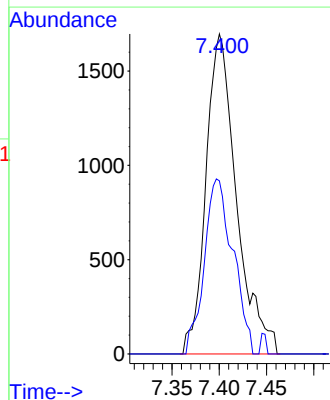
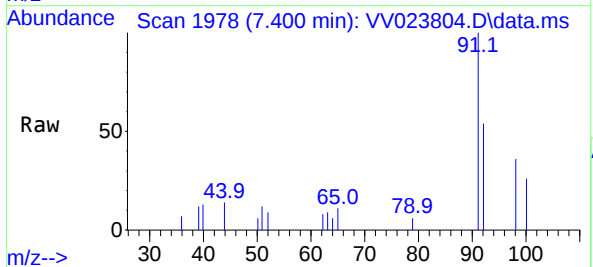
Acq: 06 Dec 2021 17:44

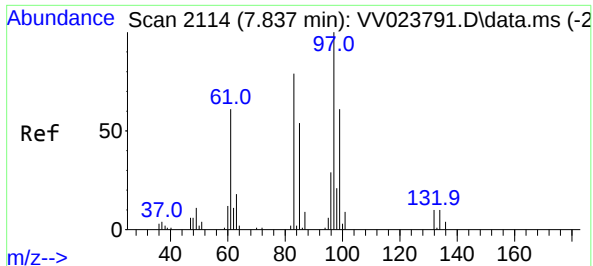
Tgt Ion: 91 Resp: 3815

Ion Ratio Lower Upper

91 100

92 54.1 41.5 77.1



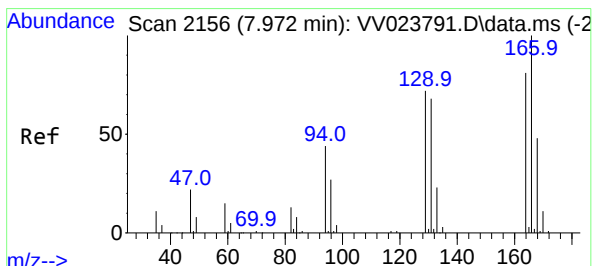
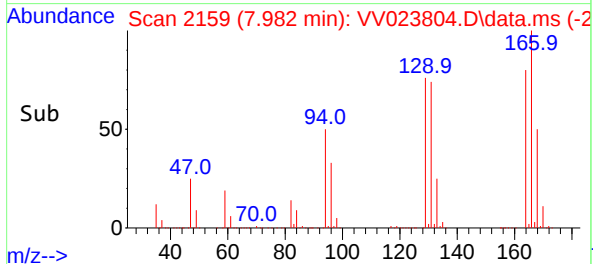
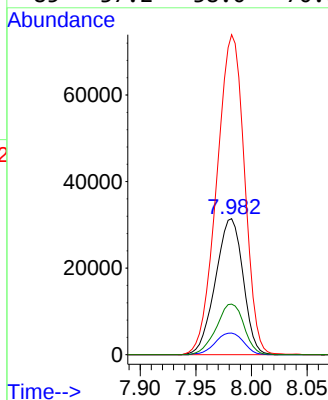
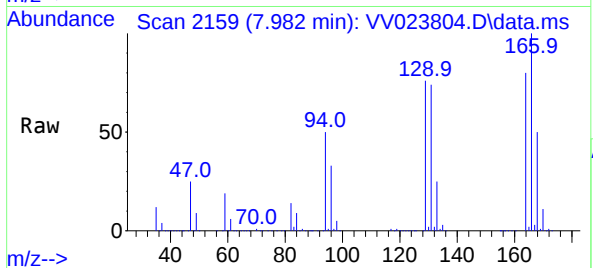


#45
1,1,2-Trichloroethane
Concen: 7.482 ug/L
RT: 7.982 min Scan# 2114
Delta R.T. 0.145 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 54289

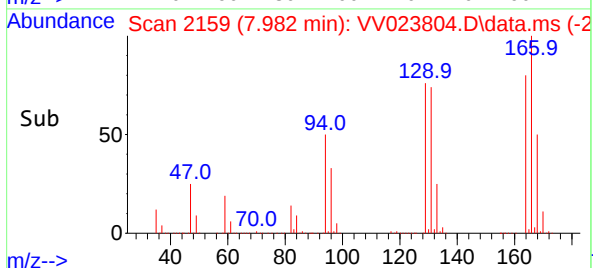
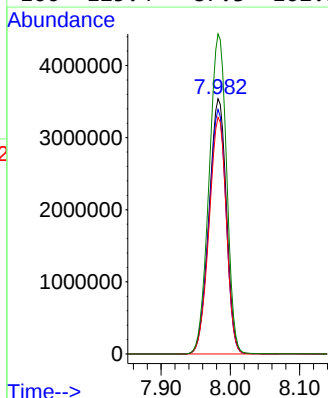
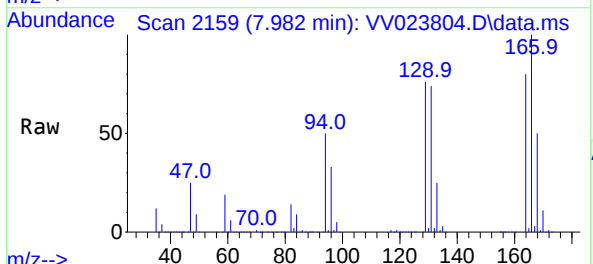
Ion	Ratio	Lower	Upper
97	100		
99	15.9	43.1	80.1#
83	235.4	57.9	107.5#
85	37.2	38.0	70.6#

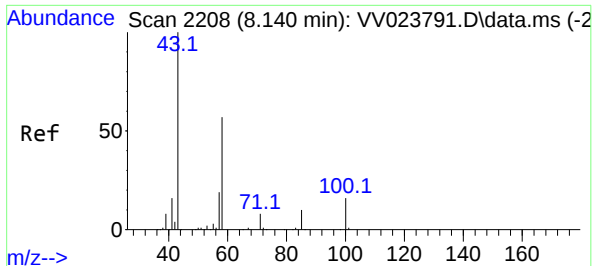


#47
Tetrachloroethene
Concen: 575.701 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.010 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

Tgt Ion: 164 Resp: 6188307

Ion	Ratio	Lower	Upper
164	100		
129	95.8	62.6	116.2
131	92.7	61.0	113.4
166	125.4	87.3	162.1

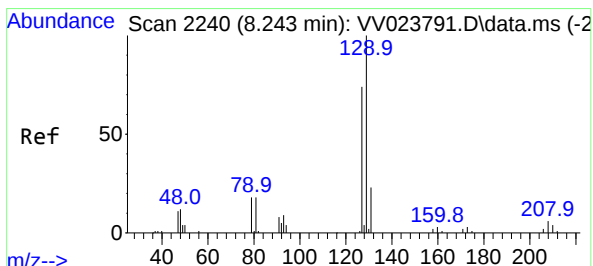
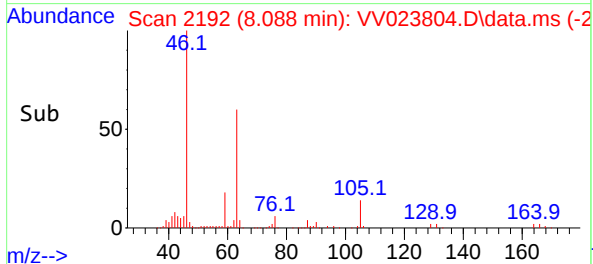
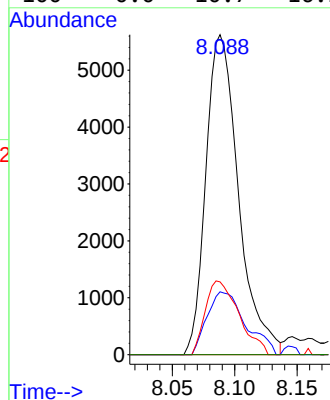
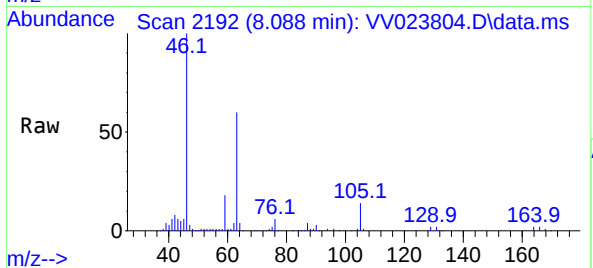




#48
2-Hexanone
Concen: 2.772 ug/L
RT: 8.088 min Scan# 2159
Delta R.T. -0.051 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

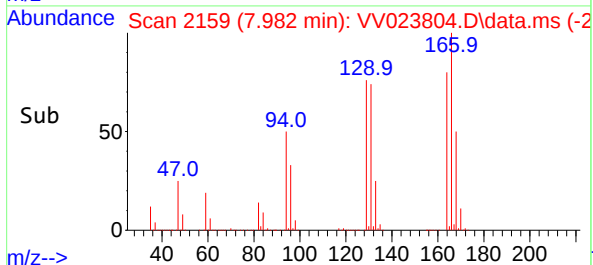
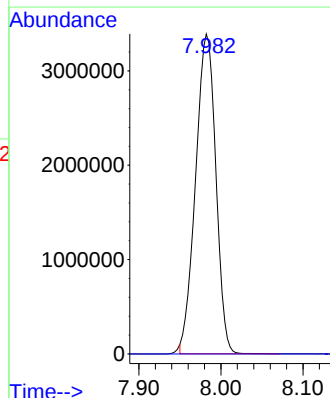
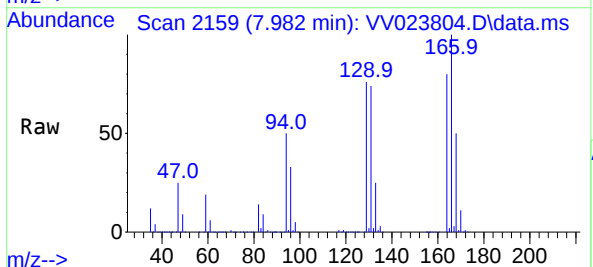
Instrument :
MSVOA_V
ClientSampleId :

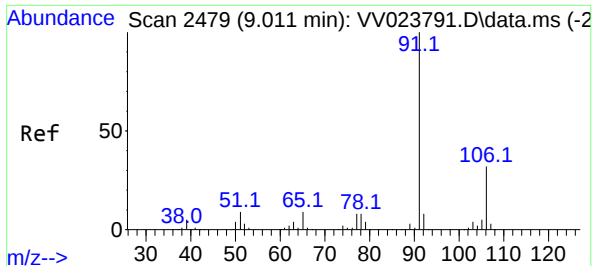
Tgt Ion: 43	Resp: 10248
Ion Ratio	Lower Upper
43 100	
58 23.2	44.5 66.7#
57 23.7	15.1 22.7#
100 0.0	10.7 16.1#



#49
Dibromochloromethane
Concen: 583.570 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. -0.260 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

Tgt Ion:129	Resp: 5802688		
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.5	99.3#

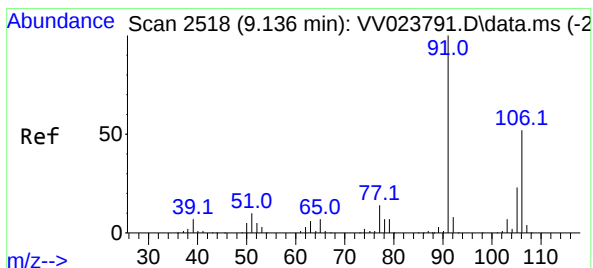
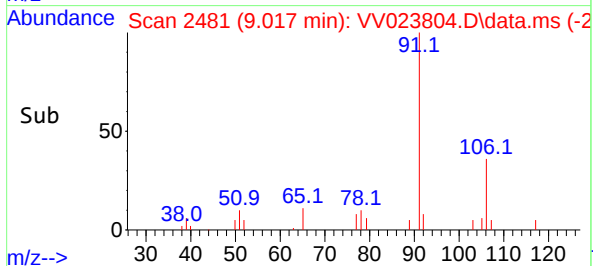
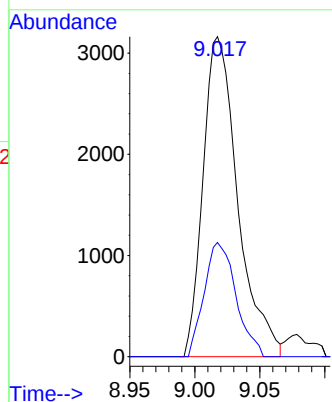
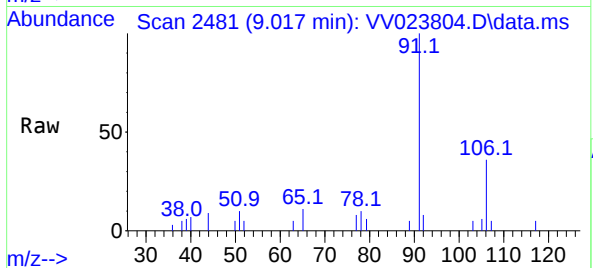




#52
Ethylbenzene
Concen: 0.118 ug/L
RT: 9.017 min Scan# 2479
Delta R.T. 0.006 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

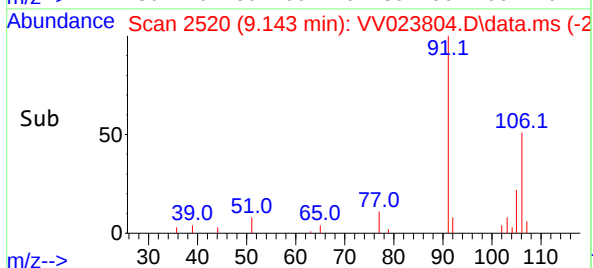
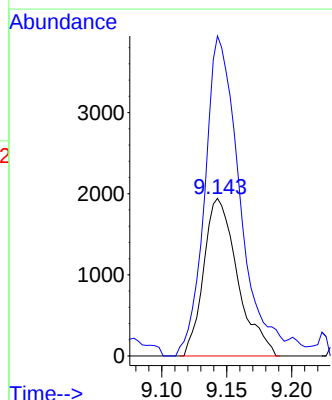
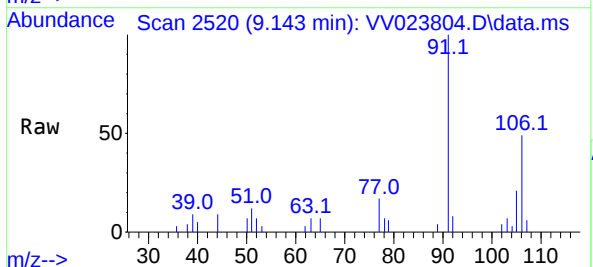
Instrument :
MSVOA_V
ClientSampleId :

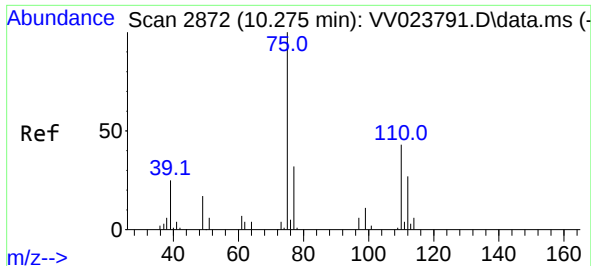
Tgt Ion: 91 Resp: 5873
Ion Ratio Lower Upper
91 100
106 35.7 22.0 41.0



#53
m,p-xylene
Concen: 0.177 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.006 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

Tgt Ion: 106 Resp: 3526
Ion Ratio Lower Upper
106 100
91 203.1 139.5 259.1





#61

1,2,3-Trichloropropane

Concen: 1.603 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV023804.D

Acq: 06 Dec 2021 17:44

Instrument :

MSVOA_V

ClientSampleId :

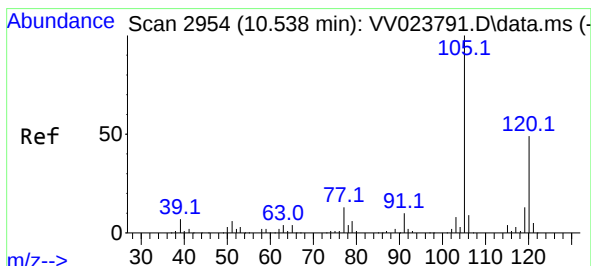
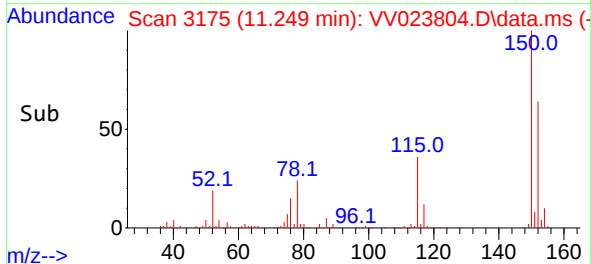
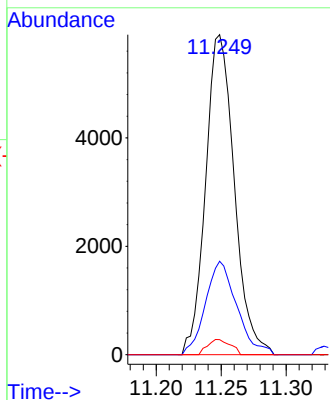
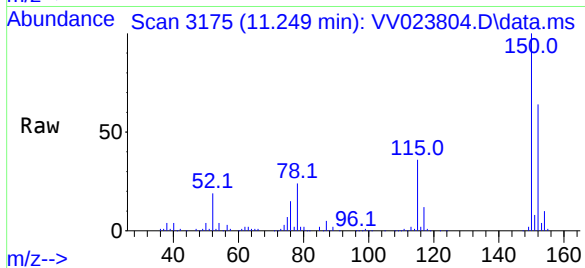
Tgt Ion: 75 Resp: 9069

Ion Ratio Lower Upper

75 100

77 31.8 26.4 39.6

110 3.8 34.2 51.2#



#62

1,3,5-Trimethylbenzene

Concen: 0.102 ug/L

RT: 10.541 min Scan# 2955

Delta R.T. 0.003 min

Lab File: VV023804.D

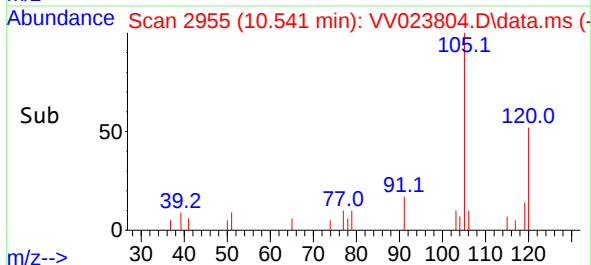
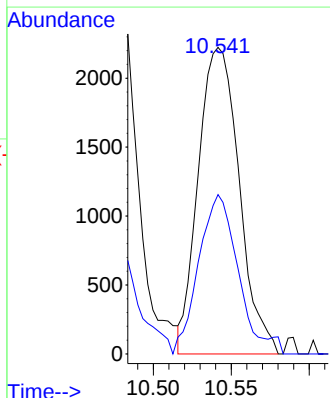
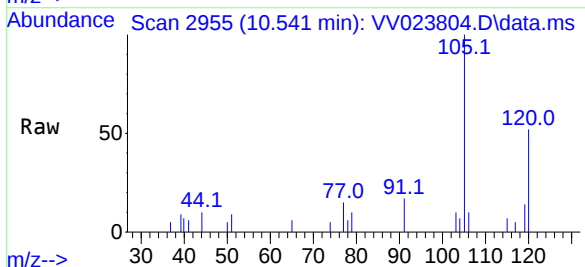
Acq: 06 Dec 2021 17:44

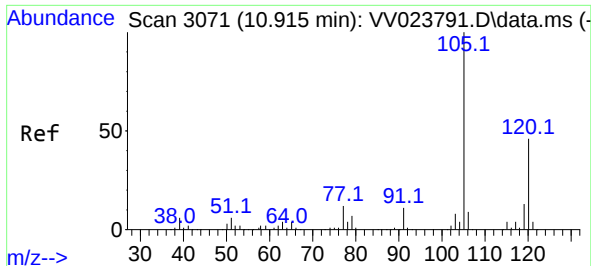
Tgt Ion: 105 Resp: 4056

Ion Ratio Lower Upper

105 100

120 50.2 40.1 60.1

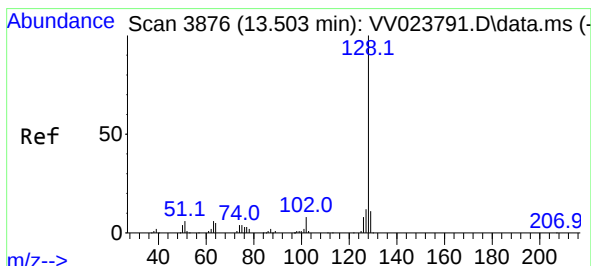
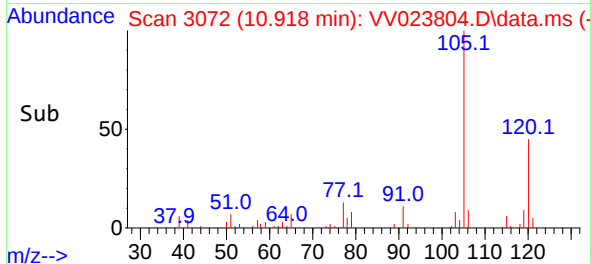
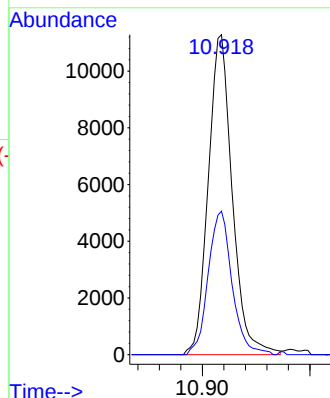
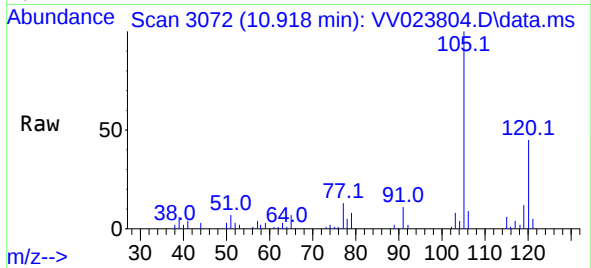




#63
1,2,4-Trimethylbenzene
Concen: 0.445 ug/L
RT: 10.918 min Scan# 3071
Delta R.T. 0.006 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 17430
Ion Ratio Lower Upper
105 100
120 44.7 36.7 55.1



#71
Naphthalene
Concen: 1.481 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV023804.D
Acq: 06 Dec 2021 17:44

Tgt Ion:128 Resp: 29404
Ion Ratio Lower Upper
128 100
129 11.9 9.0 13.4
127 12.7 10.2 15.4

