

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110221\
 Data File : VW023178.D
 Acq On : 03 Nov 2021 11:34
 Operator : SY/MD
 Sample : M4400-23
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 07 01:02:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 02 23:31:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	128964	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	133387	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	69647	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	41627	3.694	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.800%
7) Chloroethane-d5	1.571	69	36641	5.256	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.200%
11) 1,1-Dichloroethene-d2	2.111	63	59589	3.665	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.400%
20) 2-Butanone-d5	3.902	46	88380	48.890	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.780%
24) Chloroform-d	4.352	84	86818	4.739	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.037	65	42529	4.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.053	84	170985	4.391	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.072	67	51454	4.292	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.800%
41) Toluene-d8	7.320	98	150199	4.294	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	7.629	79	19207	4.573	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.092	63	68829	44.261	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.520%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	34271	4.140	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	60154	4.841	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	736	0.083	ug/L	88
12) 1,1-Dichloroethene	2.111	96	504	0.076	ug/L #	1
13) Acetone	2.188	43	9043	10.196	ug/L	66
30) Cyclohexane	4.687	56	1434	0.109	ug/L #	64
33) Benzene	5.105	78	67109	1.870	ug/L	100
35) Methylcyclohexane	6.076	83	13283	1.029	ug/L #	18
37) 1,2-Dichloropropane	6.076	63	5860	0.648	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	1397	0.124	ug/L #	34
42) Toluene	7.391	91	182640	5.021	ug/L	99
48) 2-Hexanone	8.092	43	8640	2.733	ug/L #	71
52) Ethylbenzene	9.018	91	20652	0.572	ug/L	100
53) m,p-xylene	9.140	106	27281	1.884	ug/L	97
54) o-xylene	9.548	106	17404	1.277	ug/L	95
55) Styrene	9.545	104	1257	0.053	ug/L #	1
60) Isopropylbenzene	10.452	105	15418	0.438	ug/L	93
61) 1,2,3-Trichloropropane	9.548	75	384	0.078	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.545	105	5423	0.192	ug/L	95
63) 1,2,4-Trimethylbenzene	10.918	105	21876	0.775	ug/L	96
71) Naphthalene	13.509	128	5496	0.342	ug/L #	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 02 23:31:16 2021
Response via : Initial Calibration

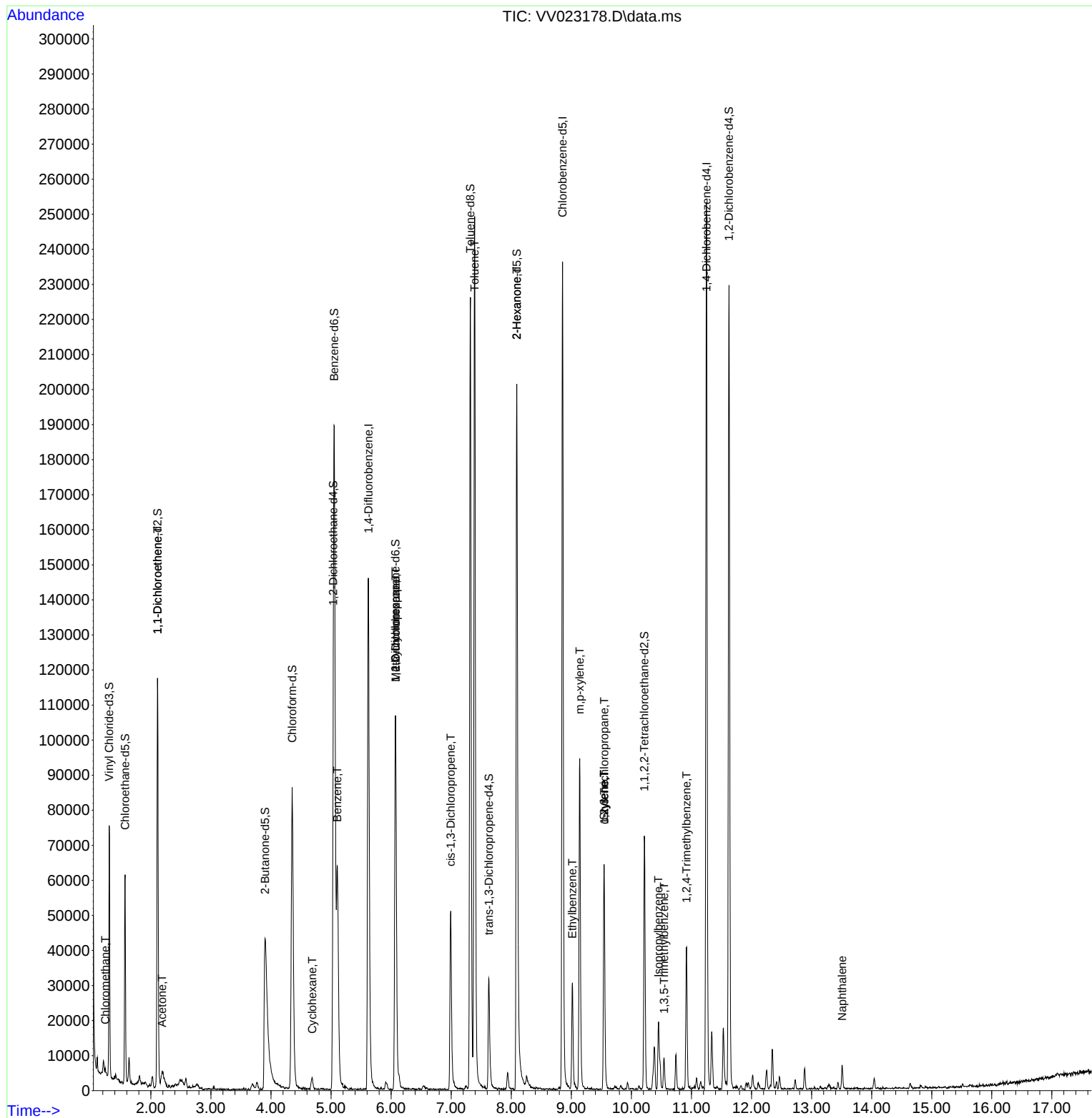
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

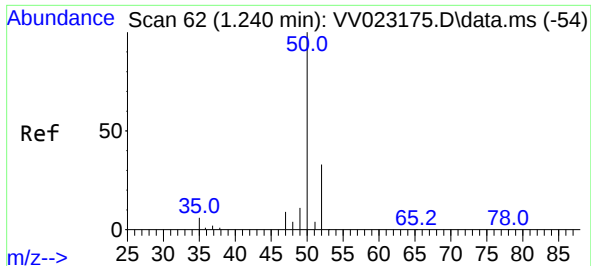
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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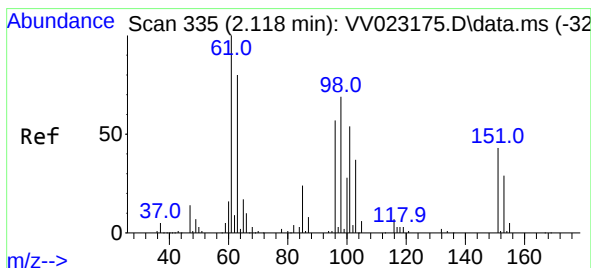
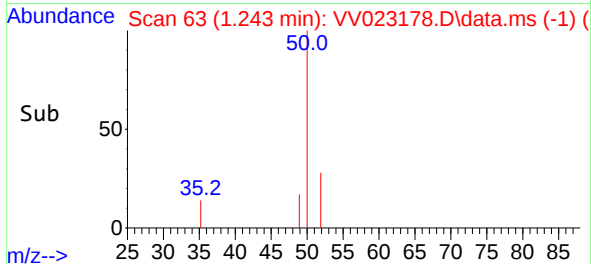
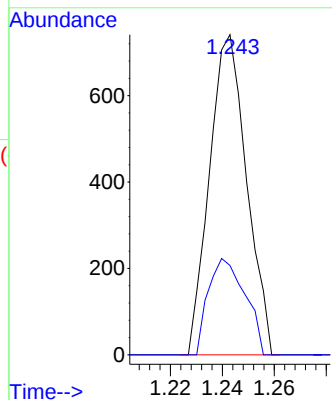
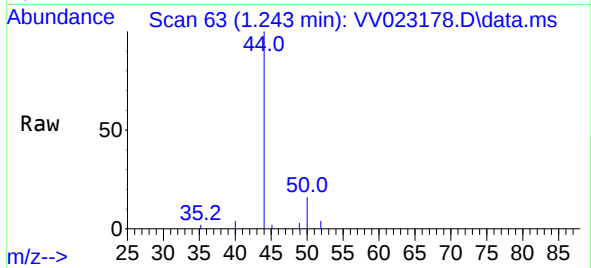




#3
Chloromethane
Concen: 0.083 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

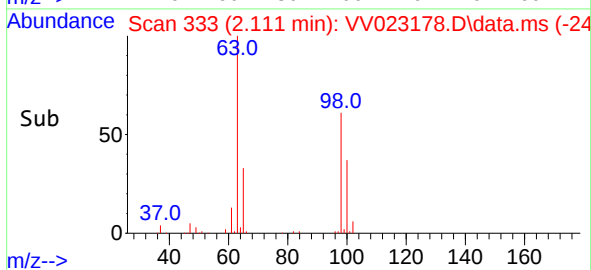
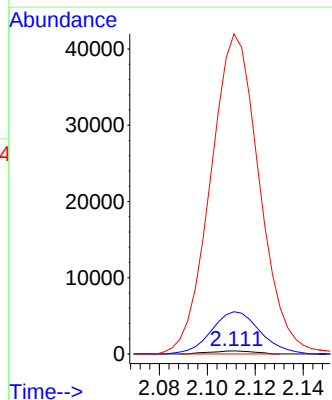
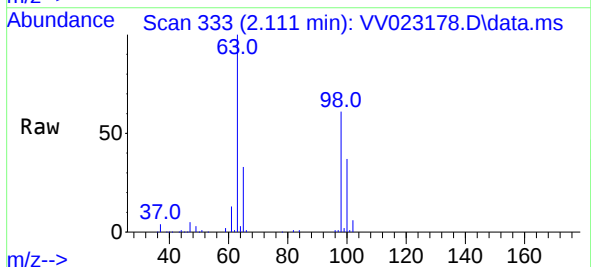
Instrument :
MSVOA_V
ClientSampleId :

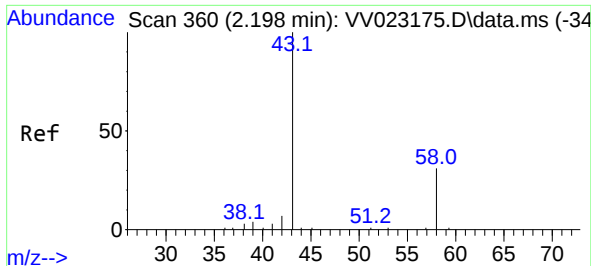
Tgt Ion: 50 Resp: 736
Ion Ratio Lower Upper
50 100
52 27.9 24.3 45.1



#12
1,1-Dichloroethene
Concen: 0.076 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

Tgt Ion: 96 Resp: 504
Ion Ratio Lower Upper
96 100
61 1352.7 121.5 225.7#
63 10236.1 99.6 185.0#

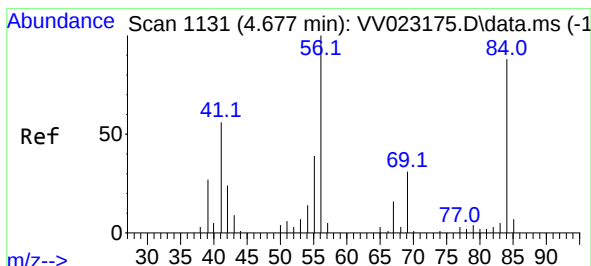
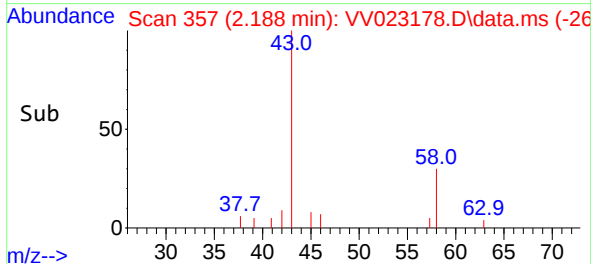
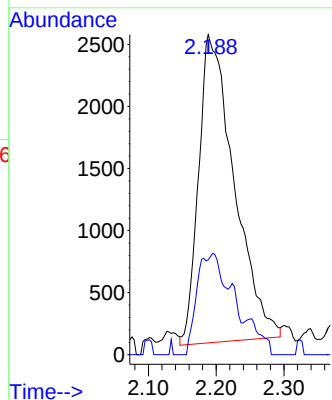
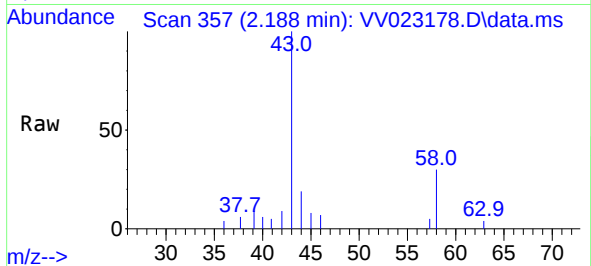




#13
Acetone
Concen: 10.196 ug/L
RT: 2.188 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

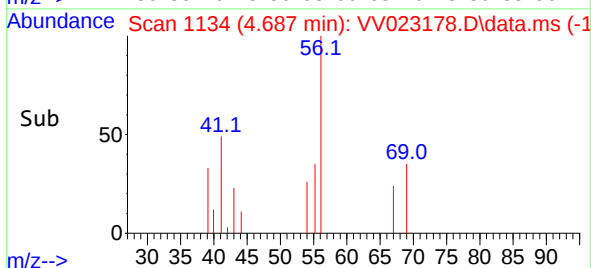
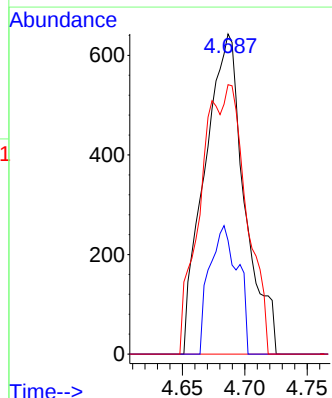
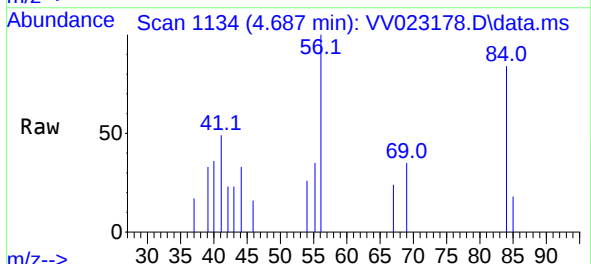
Instrument :
MSVOA_V
ClientSampleId :

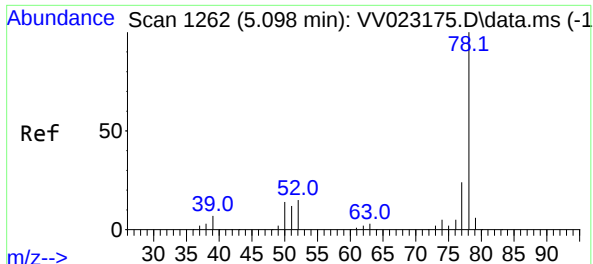
Tgt Ion: 43 Resp: 9043
Ion Ratio Lower Upper
43 100
58 9.8 0.0 55.4



#30
Cyclohexane
Concen: 0.109 ug/L
RT: 4.687 min Scan# 1134
Delta R.T. 0.006 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

Tgt Ion: 56 Resp: 1434
Ion Ratio Lower Upper
56 100
69 28.5 23.5 35.3
84 45.3 71.6 107.4#





#33

Benzene

Concen: 1.870 ug/L

RT: 5.105 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV023178.D

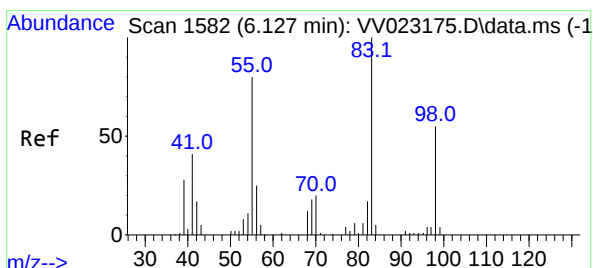
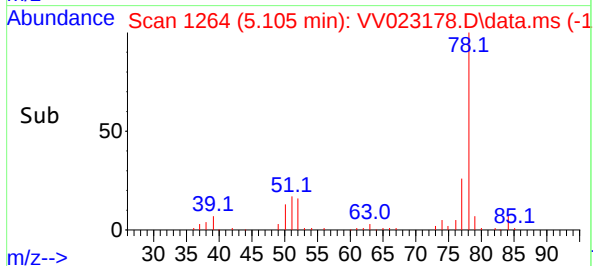
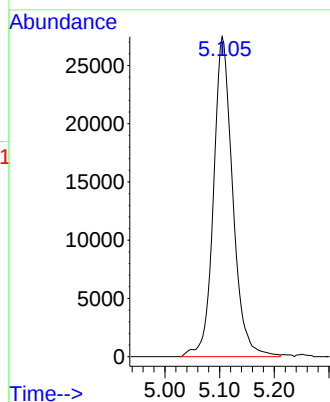
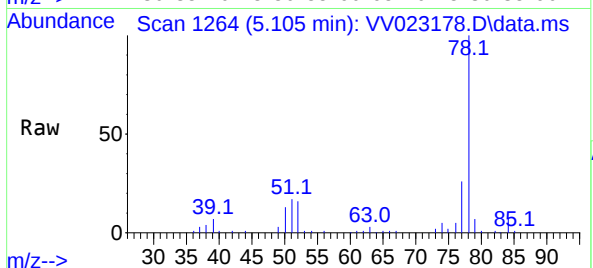
Acq: 03 Nov 2021 11:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 67109



#35

Methylcyclohexane

Concen: 1.029 ug/L

RT: 6.076 min Scan# 1566

Delta R.T. -0.058 min

Lab File: VV023178.D

Acq: 03 Nov 2021 11:34

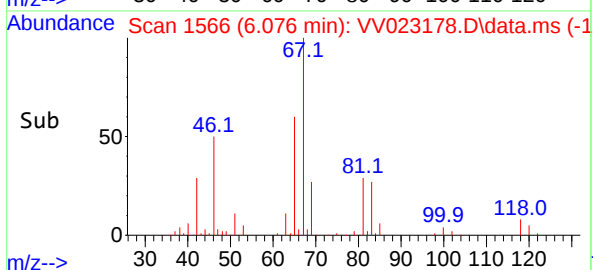
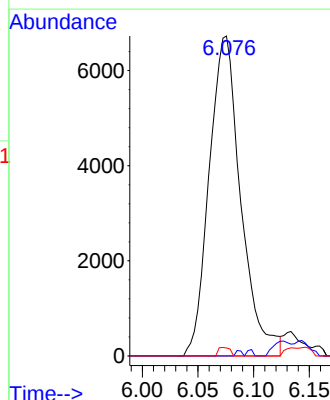
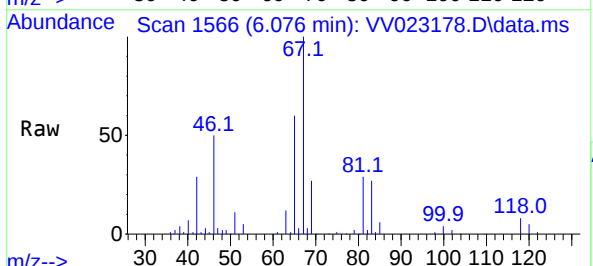
Tgt Ion: 83 Resp: 13283

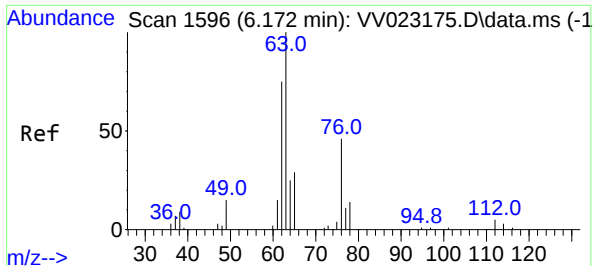
Ion Ratio Lower Upper

83 100

55 0.3 62.8 94.2#

98 1.0 37.9 56.9#

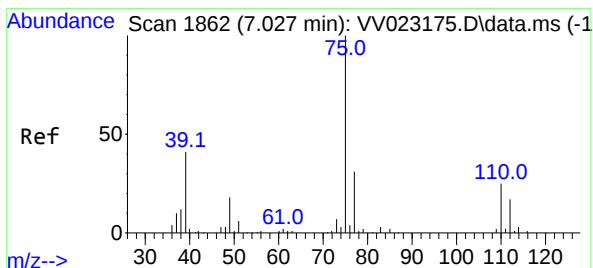
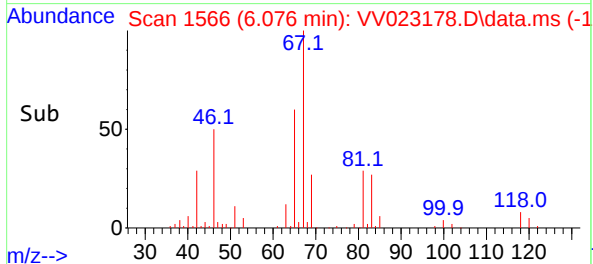
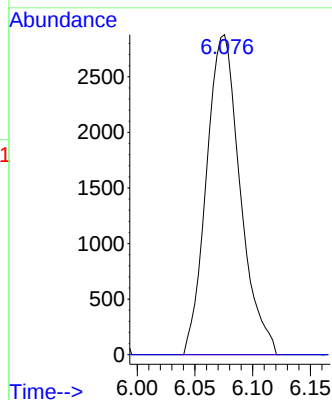
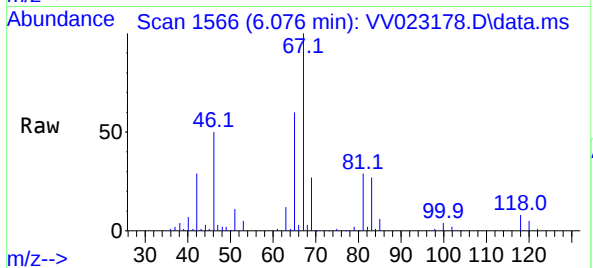




#37
1,2-Dichloropropane
Concen: 0.648 ug/L
RT: 6.076 min Scan# 11
Delta R.T. -0.100 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

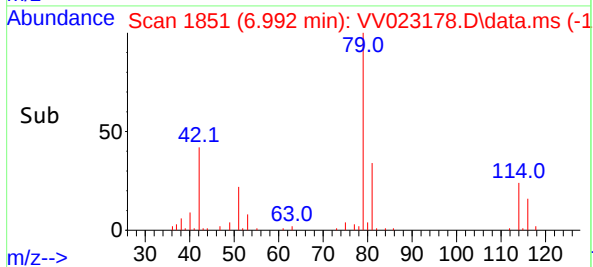
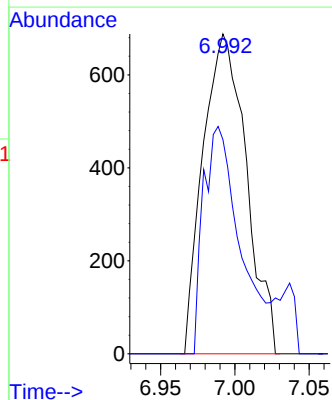
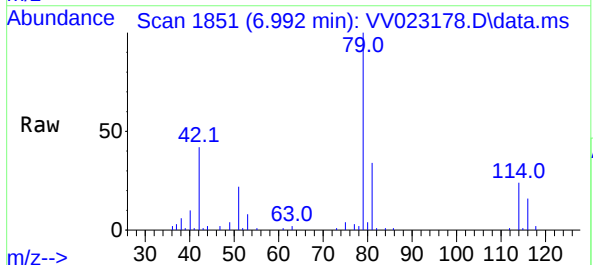
Instrument :
MSVOA_V
ClientSampleId :

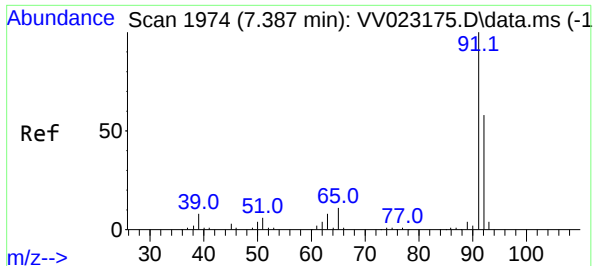
Tgt Ion: 63 Resp: 5860
Ion Ratio Lower Upper
63 100
112 0.0 4.6 6.8#



#39
cis-1,3-Dichloropropene
Concen: 0.124 ug/L
RT: 6.992 min Scan# 1851
Delta R.T. -0.039 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

Tgt Ion: 75 Resp: 1397
Ion Ratio Lower Upper
75 100
77 67.0 21.6 40.2#





#42

Toluene

Concen: 5.021 ug/L

RT: 7.391 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV023178.D

Acq: 03 Nov 2021 11:34

Instrument :

MSVOA_V

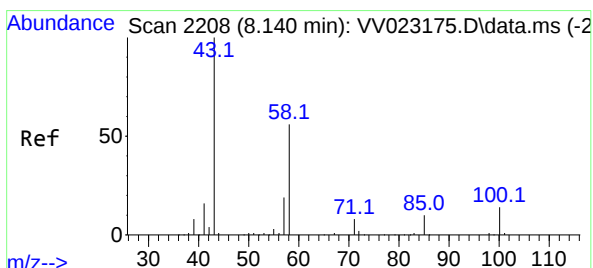
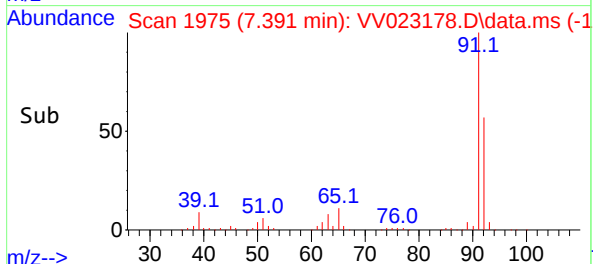
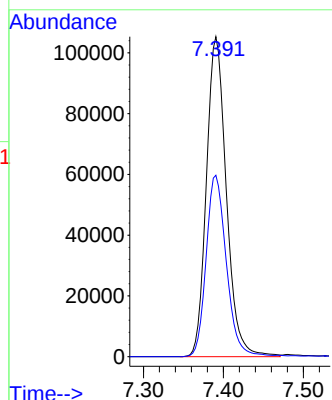
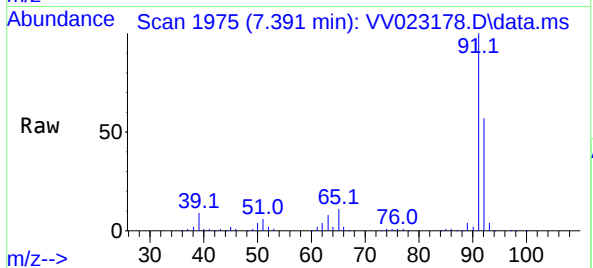
ClientSampleId :

Tgt Ion: 91 Resp: 182640

Ion Ratio Lower Upper

91 100

92 56.7 39.3 72.9



#48

2-Hexanone

Concen: 2.733 ug/L

RT: 8.092 min Scan# 2193

Delta R.T. -0.051 min

Lab File: VV023178.D

Acq: 03 Nov 2021 11:34

Tgt Ion: 43 Resp: 8640

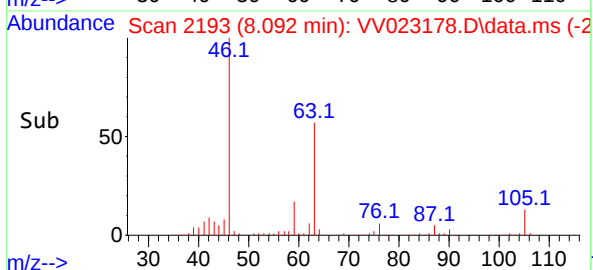
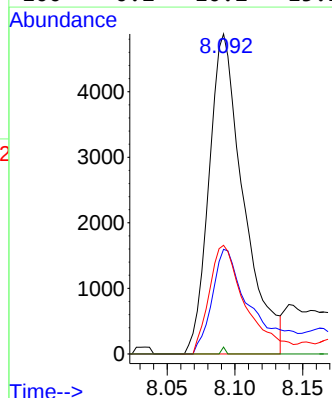
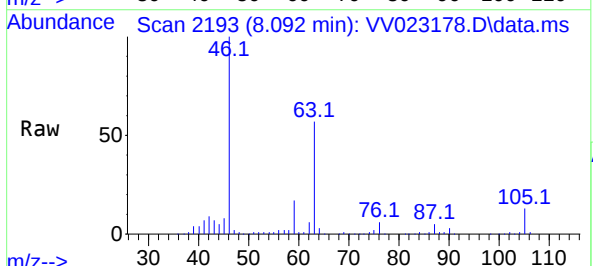
Ion Ratio Lower Upper

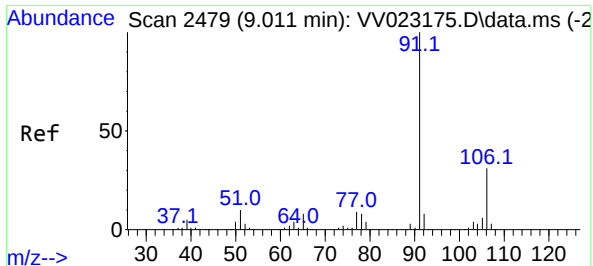
43 100

58 37.7 43.7 65.5#

57 36.3 14.1 21.1#

100 0.2 10.2 15.2#

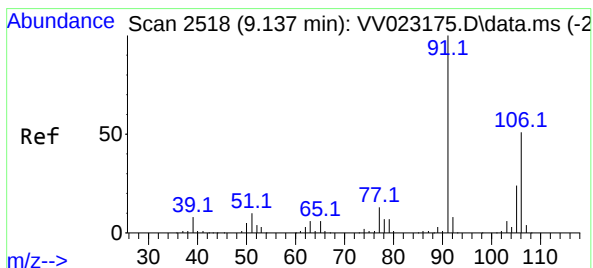
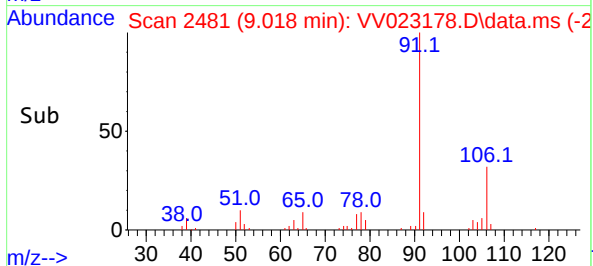
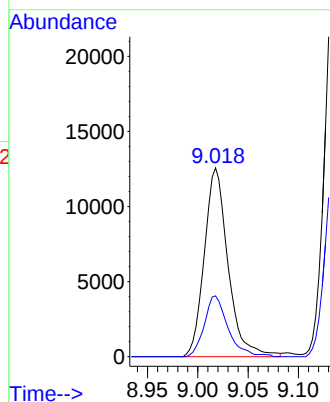
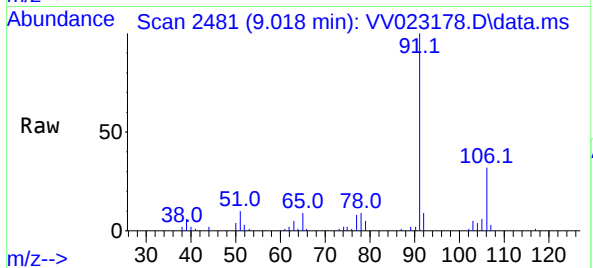




#52
Ethylbenzene
Concen: 0.572 ug/L
RT: 9.018 min Scan# 2479
Delta R.T. 0.003 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

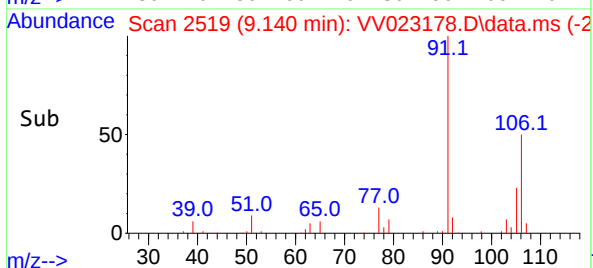
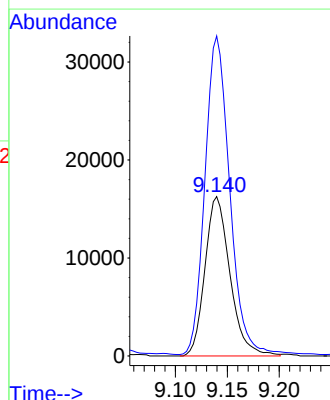
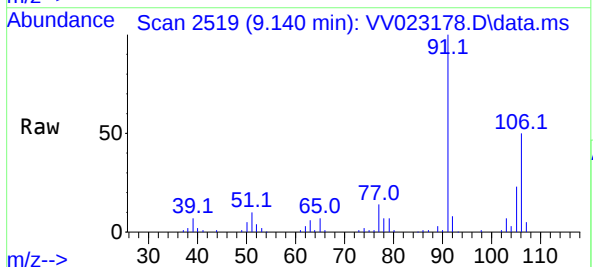
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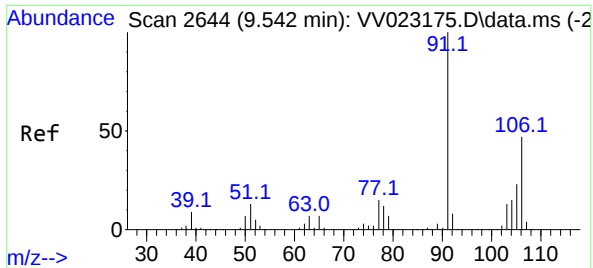
Tgt Ion: 91 Resp: 20652
Ion Ratio Lower Upper
91 100
106 32.2 22.5 41.9



#53
m,p-xylene
Concen: 1.884 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.000 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

Tgt Ion: 106 Resp: 27281
Ion Ratio Lower Upper
106 100
91 200.7 137.2 254.8

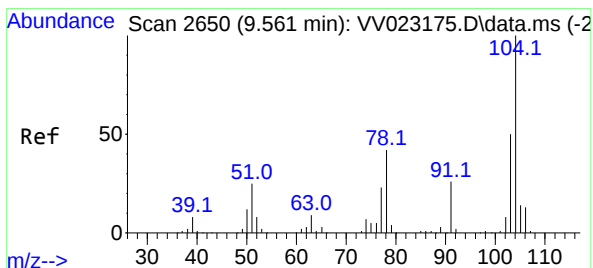
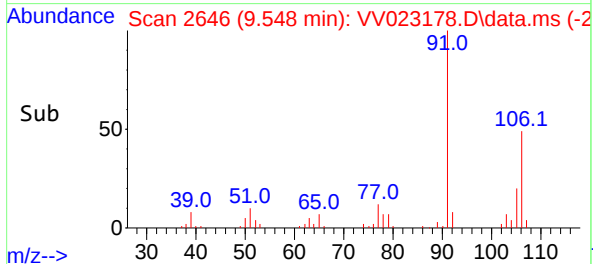
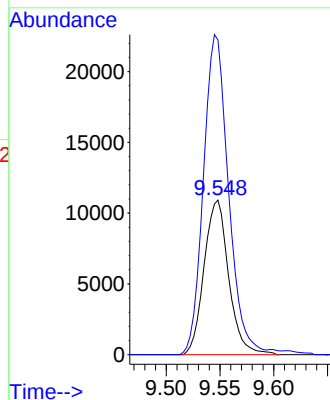
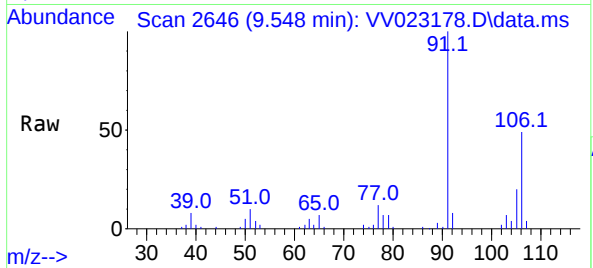




#54
o-xylene
Concen: 1.277 ug/L
RT: 9.548 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

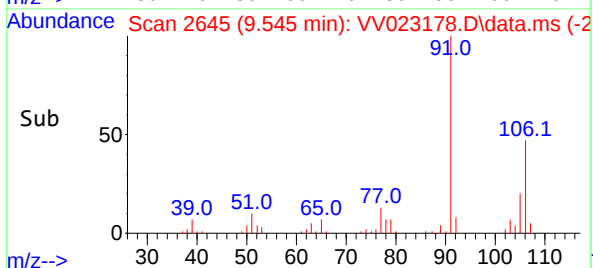
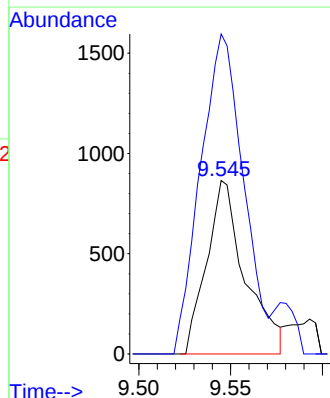
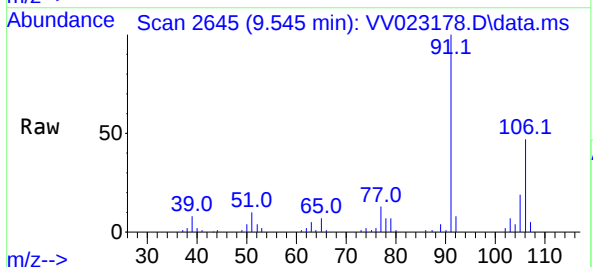
Instrument :
MSVOA_V
ClientSampleId :

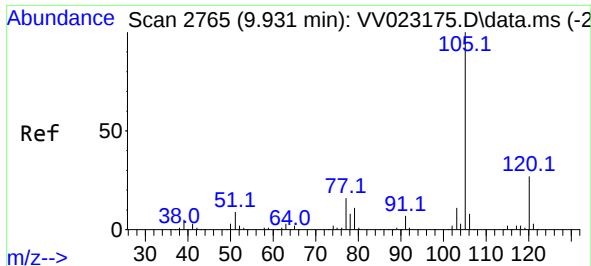
Tgt Ion:106 Resp: 17404
Ion Ratio Lower Upper
106 100
91 203.7 148.3 275.5



#55
Styrene
Concen: 0.053 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.016 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

Tgt Ion:104 Resp: 1257
Ion Ratio Lower Upper
104 100
78 184.5 29.3 54.3#

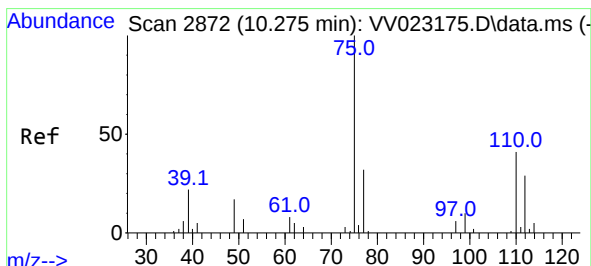
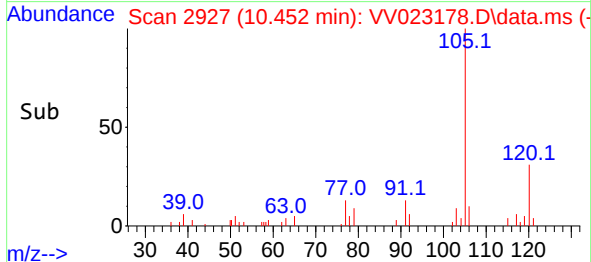
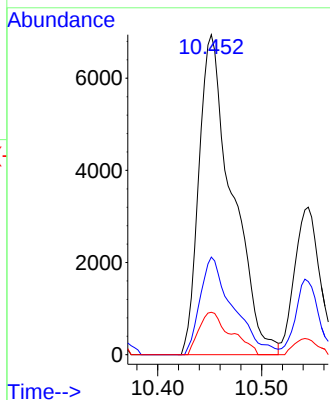
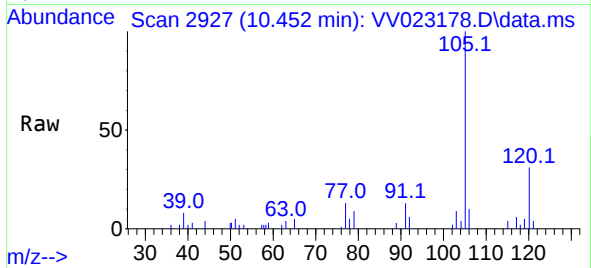




#60
Isopropylbenzene
Concen: 0.438 ug/L
RT: 10.452 min Scan# 24
Delta R.T. 0.518 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

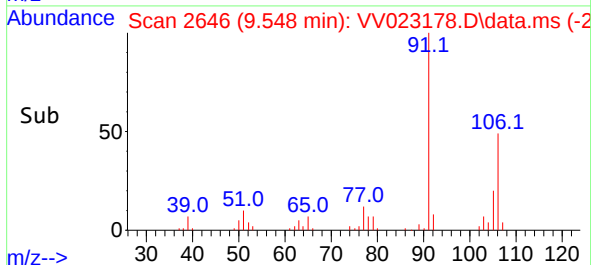
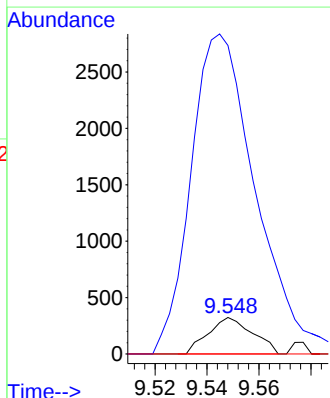
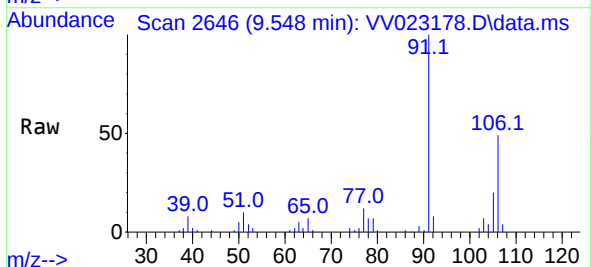
Instrument :
MSVOA_V
ClientSampleId :

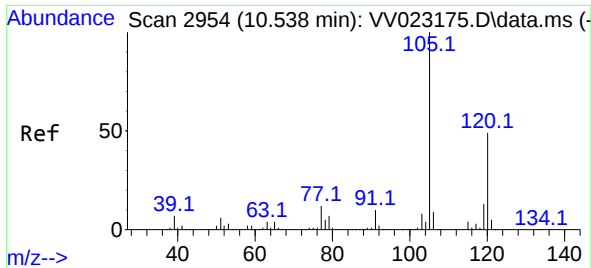
Tgt Ion:105 Resp: 15418
Ion Ratio Lower Upper
105 100
120 30.4 21.7 32.5
77 12.7 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 0.078 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. -0.727 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

Tgt Ion: 75 Resp: 384
Ion Ratio Lower Upper
75 100
77 1275.8 26.6 39.8#
110 0.0 31.8 47.6#

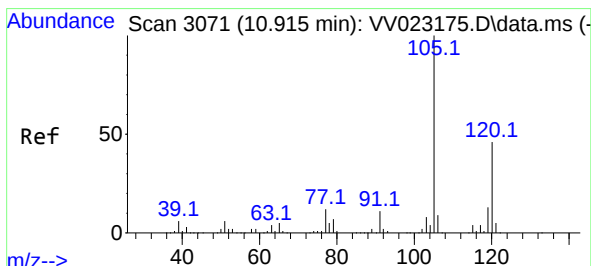
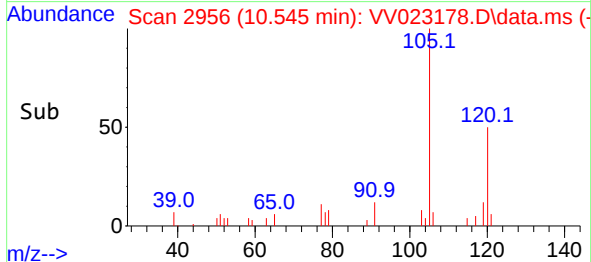
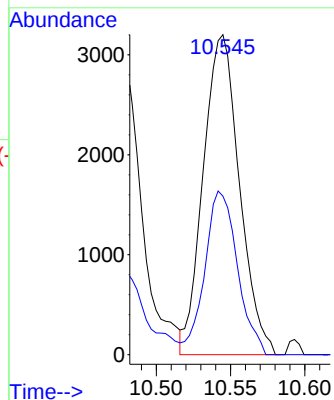
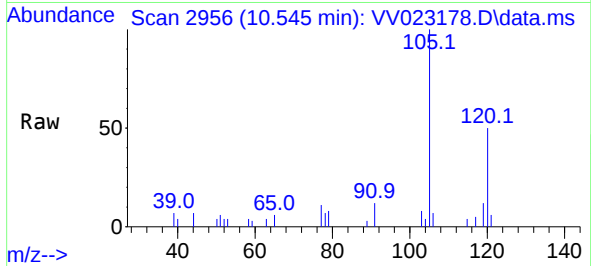




#62
1,3,5-Trimethylbenzene
Concen: 0.192 ug/L
RT: 10.545 min Scan# 2956
Delta R.T. 0.003 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

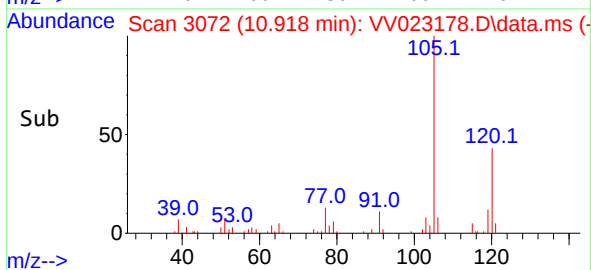
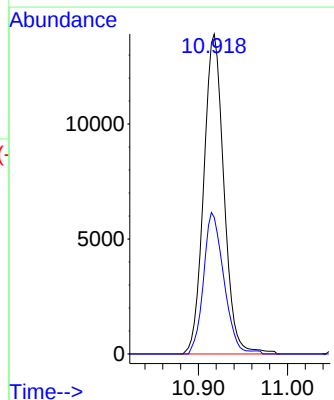
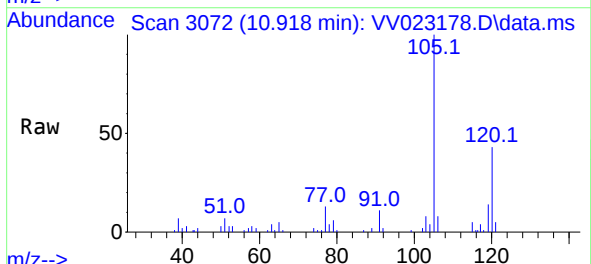
Instrument :
MSVOA_V
ClientSampleId :

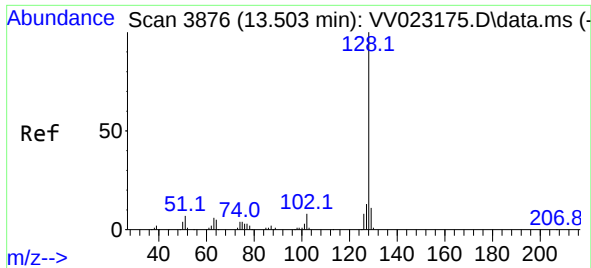
Tgt Ion:105 Resp: 5423
Ion Ratio Lower Upper
105 100
120 46.1 39.7 59.5



#63
1,2,4-Trimethylbenzene
Concen: 0.775 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

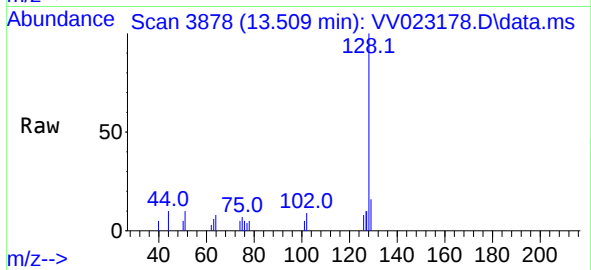
Tgt Ion:105 Resp: 21876
Ion Ratio Lower Upper
105 100
120 44.3 37.4 56.2





#71
Naphthalene
Concen: 0.342 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.006 min
Lab File: VV023178.D
Acq: 03 Nov 2021 11:34

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 5496
Ion Ratio Lower Upper
128 100
129 14.5 8.6 13.0#
127 14.6 10.5 15.7

