

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111621\
 Data File : VW023556.D
 Acq On : 17 Nov 2021 00:21
 Operator : SY/MD
 Sample : M4627-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4639

Quant Time: Nov 17 03:41:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 02:49:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	128602	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	121878	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	60966	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	29974	3.721	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.400%
7) Chloroethane-d5	1.571	69	24477	3.728	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.600%
11) 1,1-Dichloroethene-d2	2.111	63	42317	2.806	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.200%#
20) 2-Butanone-d5	3.895	46	64732	46.638	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.280%
24) Chloroform-d	4.352	84	60989	3.552	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.000%
26) 1,2-Dichloroethane-d4	5.037	65	29907	3.874	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
32) Benzene-d6	5.053	84	115169	3.683	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.600%
36) 1,2-Dichloropropane-d6	6.069	67	35403	3.846	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.000%
41) Toluene-d8	7.317	98	98734	3.369	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.400%#
43) trans-1,3-Dichloroprop...	7.625	79	12002	3.438	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.800%
46) 2-Hexanone-d5	8.091	63	44041	34.293	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.580%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24368	3.681	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	41769	4.115	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.310	50	9666	0.907	ug/L #	54
5) Vinyl chloride	1.310	62	585528	54.989	ug/L	98
8) Chloroethane	1.587	64	5645	0.919	ug/L #	71
12) 1,1-Dichloroethene	2.121	96	7851	1.024	ug/L #	23
14) Carbon disulfide	2.297	76	2558	0.088	ug/L	98
15) Methyl Acetate	2.433	43	3219	1.341	ug/L #	47
17) Methyl tert-butyl Ether	2.770	73	900	0.053	ug/L #	1
18) trans-1,2-Dichloroethene	2.760	96	197782	20.979	ug/L	98
19) 1,1-Dichloroethane	3.198	63	4525	0.284	ug/L	93
22) cis-1,2-Dichloroethene	3.908	96	1172562	129.239	ug/L #	91
33) Benzene	5.108	78	33791	0.992	ug/L	100
34) Trichloroethene	5.915	95	60068	6.631	ug/L	97
37) 1,2-Dichloropropane	6.075	63	4134	0.520	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	979	0.086	ug/L #	66
42) Toluene	7.391	91	28119	0.772	ug/L	94
52) Ethylbenzene	9.017	91	18091	0.471	ug/L	98
53) m,p-xylene	9.143	106	6889	0.457	ug/L	94
54) o-xylene	9.548	106	1768	0.125	ug/L	81
60) Isopropylbenzene	9.934	105	1959	0.056	ug/L #	94

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ALS Vial : 37 Sample Multiplier: 1

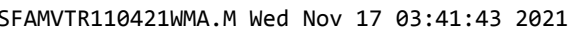
Instrument :
MSVOA_V
ClientSampleId :
H4639

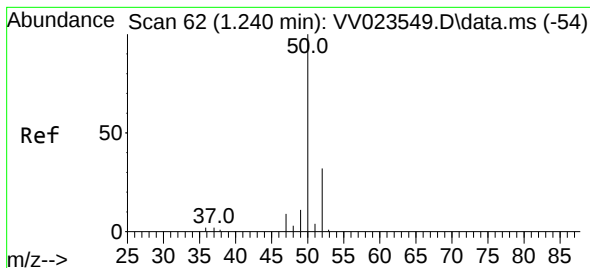
Quant Time: Nov 17 03:41:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 17 02:49:39 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	6828	1.686	ug/L #	65
62) 1,3,5-Trimethylbenzene	10.541	105	1609	0.055	ug/L	98
63) 1,2,4-Trimethylbenzene	10.918	105	2024	0.070	ug/L	90
71) Naphthalene	13.509	128	1244	0.075	ug/L #	78

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

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#3

Chloromethane

Concen: 0.907 ug/L

RT: 1.310 min Scan# 84

Delta R.T. 0.071 min

Lab File: VV023556.D

Acq: 17 Nov 2021 00:21

Instrument :

MSVOA_V

ClientSampleId :

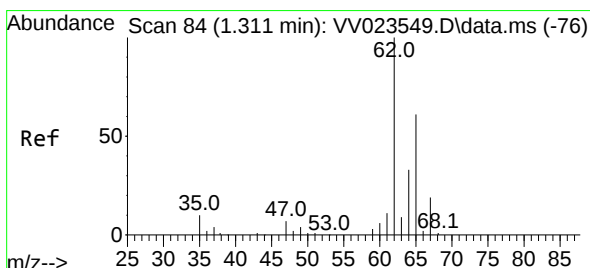
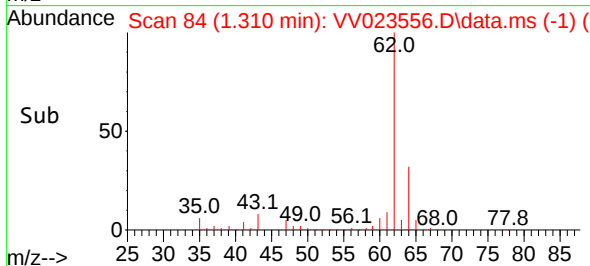
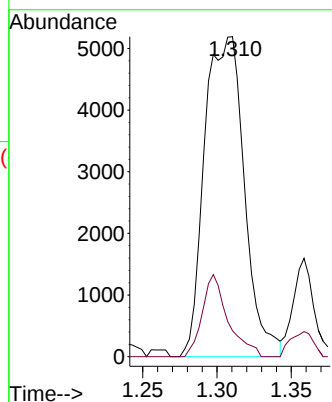
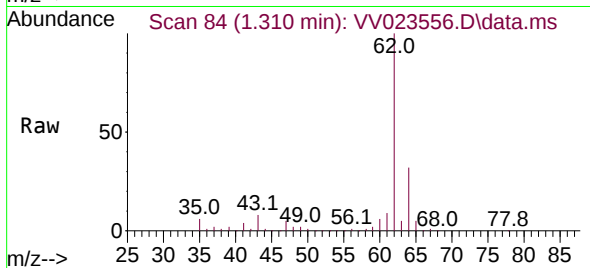
H4639

Tgt Ion: 50 Resp: 9666

Ion Ratio Lower Upper

50 100

52 8.1 24.3 45.1#



#5

Vinyl chloride

Concen: 54.989 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.000 min

Lab File: VV023556.D

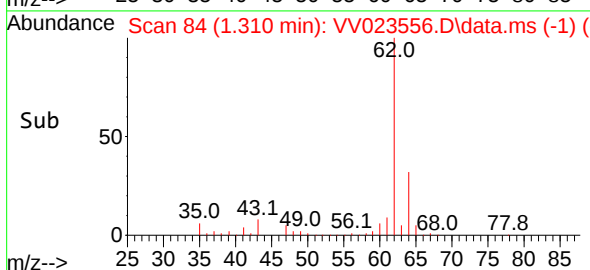
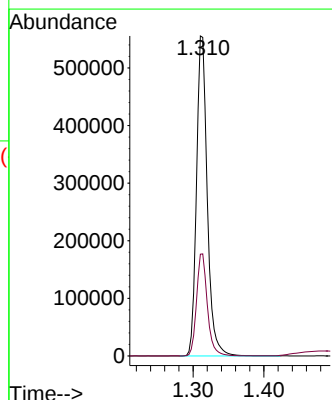
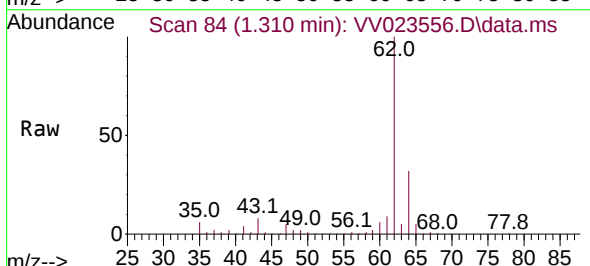
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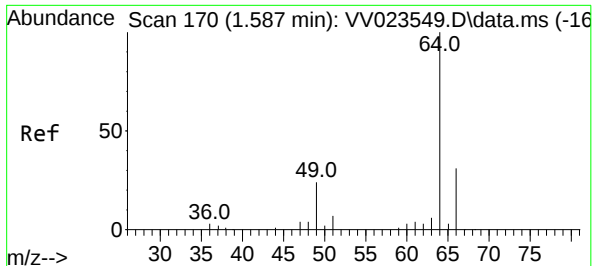
Tgt Ion: 62 Resp: 585528

Ion Ratio Lower Upper

62 100

64 31.8 23.1 42.9

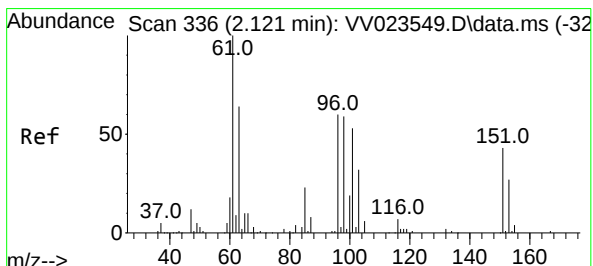
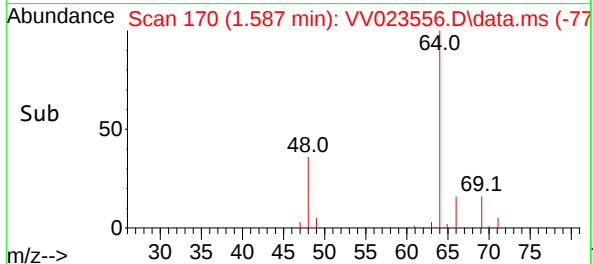
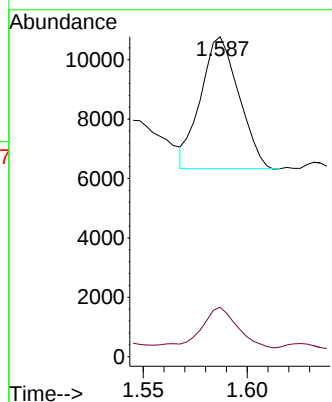
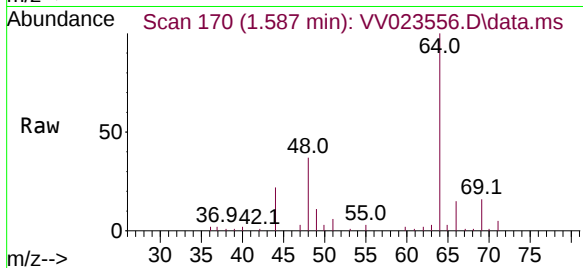




#8
Chloroethane
Concen: 0.919 ug/L
RT: 1.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

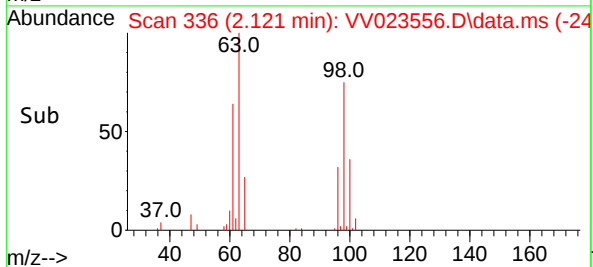
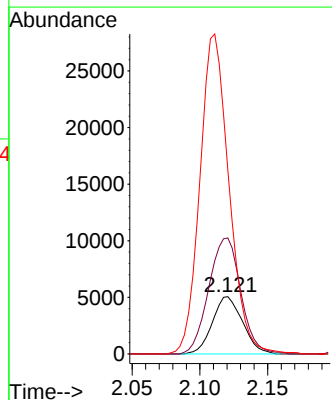
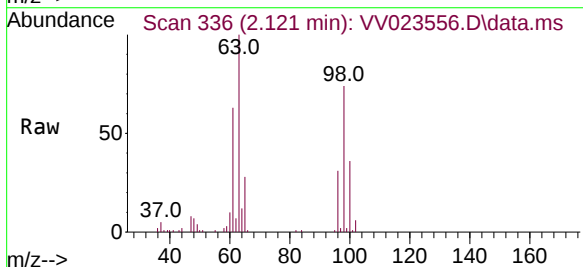
Instrument :
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H4639

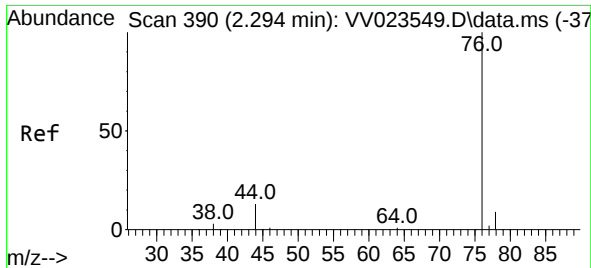
Tgt Ion: 64 Resp: 5645
Ion Ratio Lower Upper
64 100
66 15.5 22.1 41.1#



#12
1,1-Dichloroethene
Concen: 1.024 ug/L
RT: 2.121 min Scan# 336
Delta R.T. -0.000 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

Tgt Ion: 96 Resp: 7851
Ion Ratio Lower Upper
96 100
61 202.6 121.5 225.7
63 320.5 99.6 185.0#

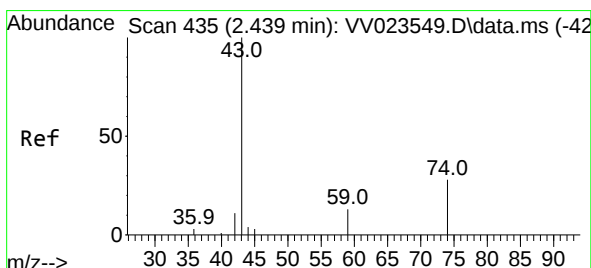
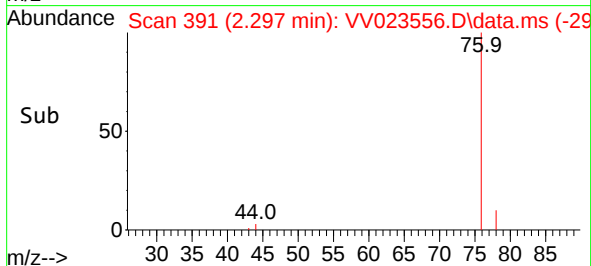
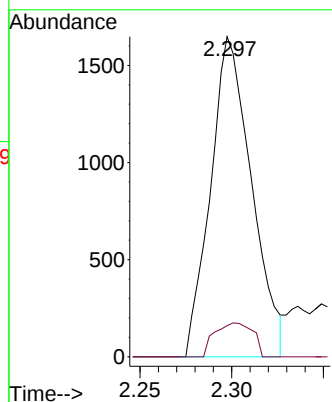
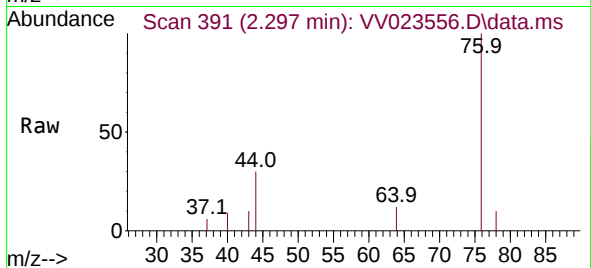




#14
Carbon disulfide
Concen: 0.088 ug/L
RT: 2.297 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

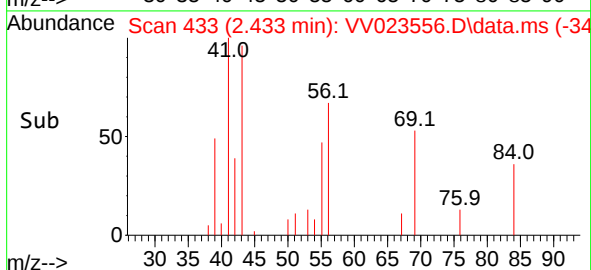
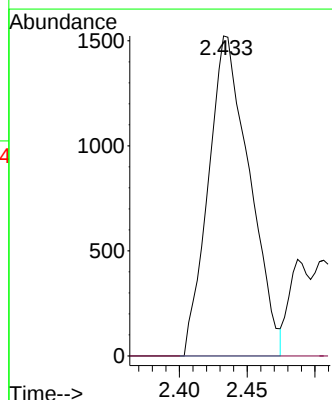
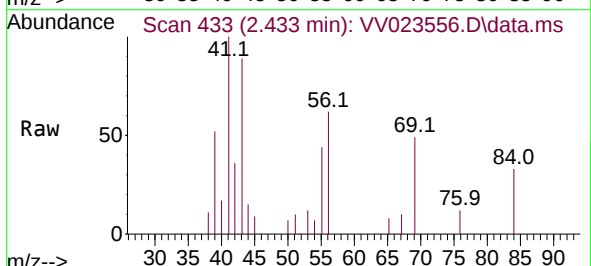
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MSVOA_V
ClientSampleId :
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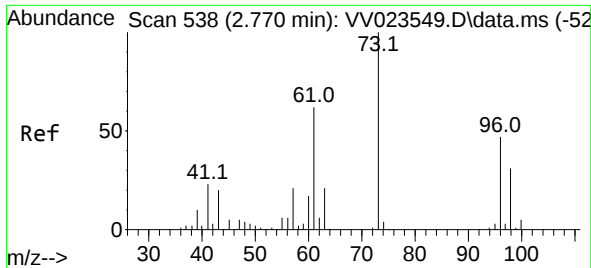
Tgt Ion: 76 Resp: 2558
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8



#15
Methyl Acetate
Concen: 1.341 ug/L
RT: 2.433 min Scan# 433
Delta R.T. -0.007 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

Tgt Ion: 43 Resp: 3219
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#

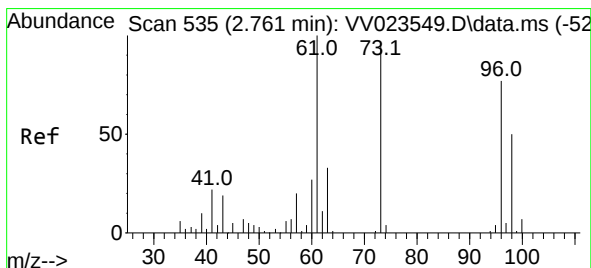
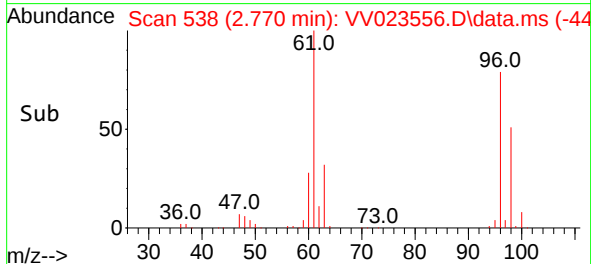
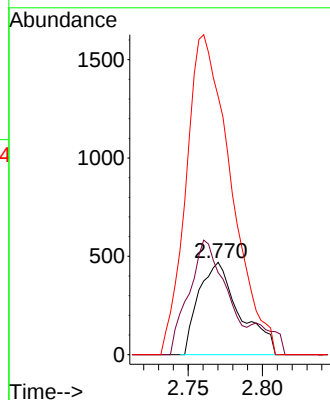
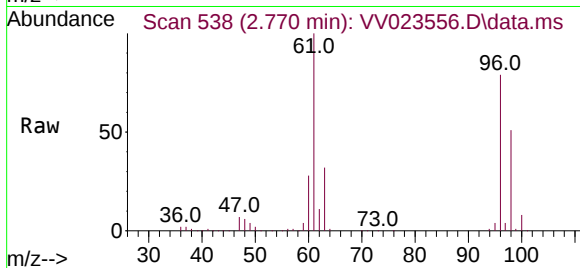




#17
Methyl tert-butyl Ether
Concen: 0.053 ug/L
RT: 2.770 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

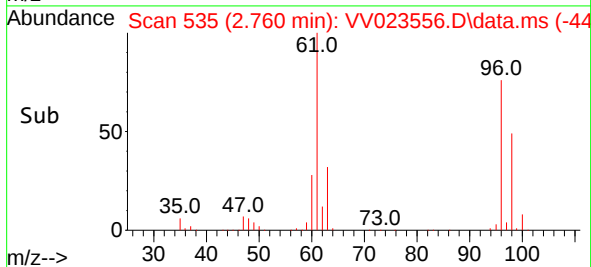
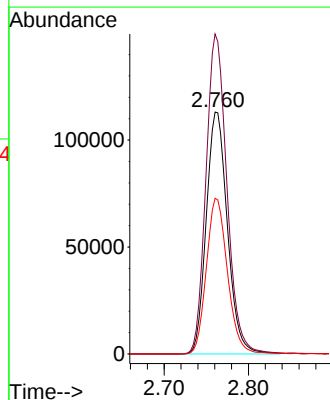
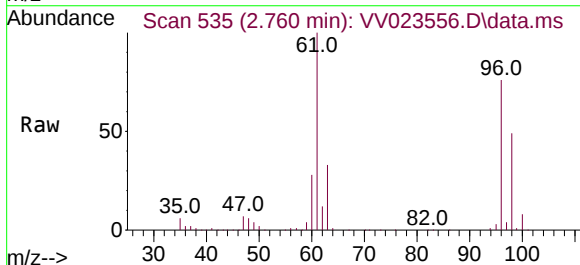
Instrument :
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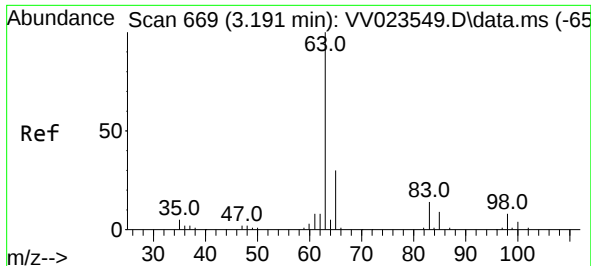
Tgt Ion: 73 Resp: 900
Ion Ratio Lower Upper
73 100
43 113.6 17.4 26.0#
57 379.6 16.5 24.7#



#18
trans-1,2-Dichloroethene
Concen: 20.979 ug/L
RT: 2.760 min Scan# 535
Delta R.T. -0.000 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

Tgt Ion: 96 Resp: 197782
Ion Ratio Lower Upper
96 100
61 132.3 93.2 173.2
98 64.3 47.0 87.2





#19

1,1-Dichloroethane

Concen: 0.284 ug/L

RT: 3.198 min Scan# 61

Delta R.T. 0.006 min

Lab File: VV023556.D

Acq: 17 Nov 2021 00:21

Instrument :

MSVOA_V

ClientSampleId :

H4639

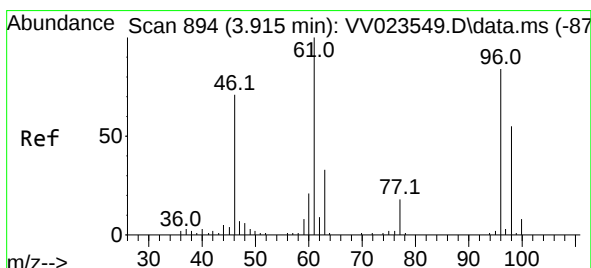
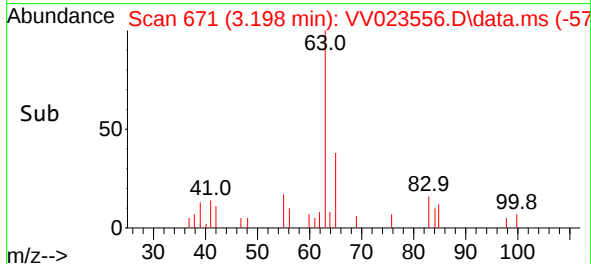
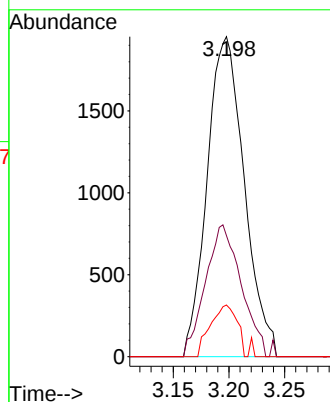
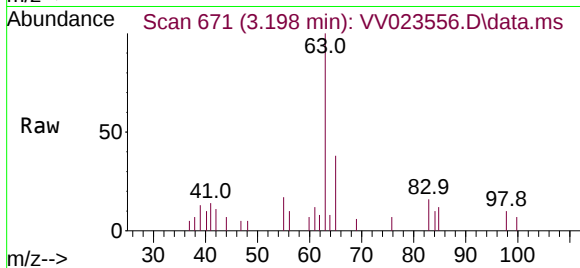
Tgt Ion: 63 Resp: 4525

Ion Ratio Lower Upper

63 100

65 37.8 22.6 42.0

83 16.1 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 129.239 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.007 min

Lab File: VV023556.D

Acq: 17 Nov 2021 00:21

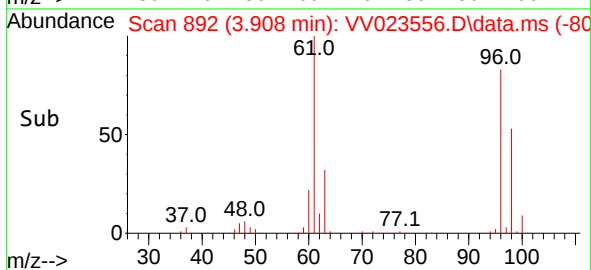
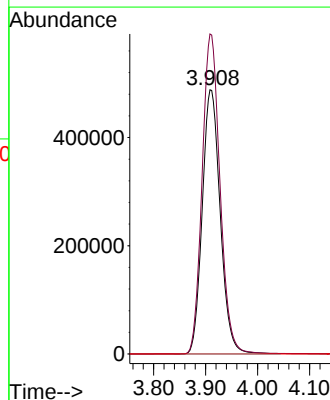
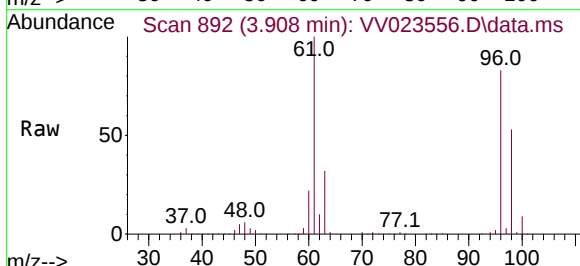
Tgt Ion: 96 Resp: 1172562

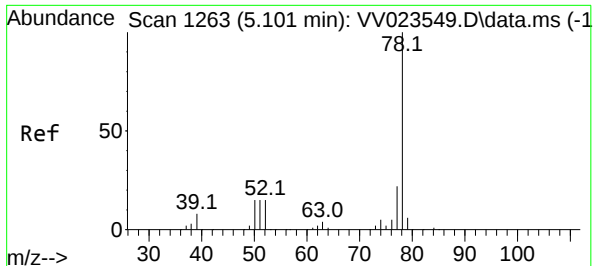
Ion Ratio Lower Upper

96 100

61 121.1 92.3 171.3

68 0.0 0.4 0.8#

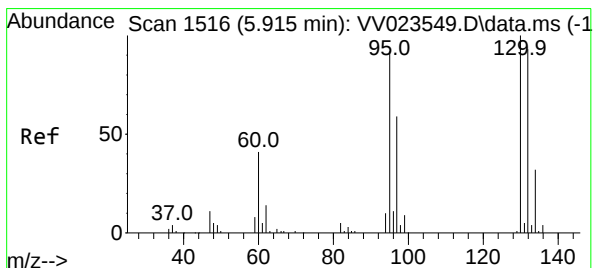
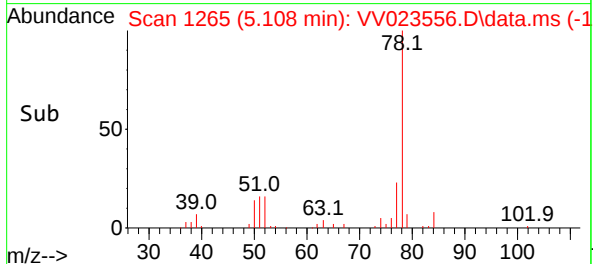
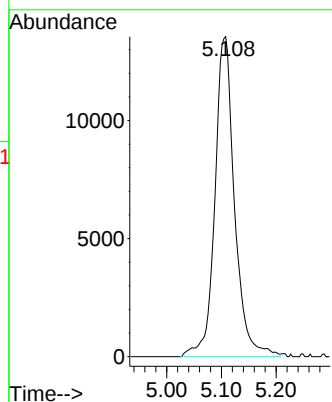
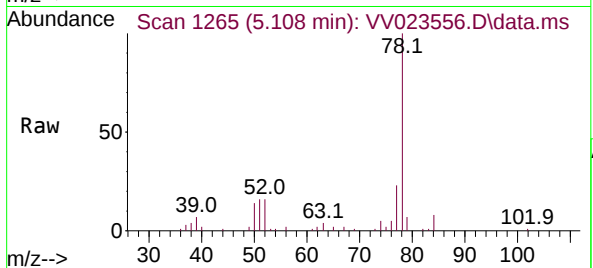




#33
Benzene
Concen: 0.992 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

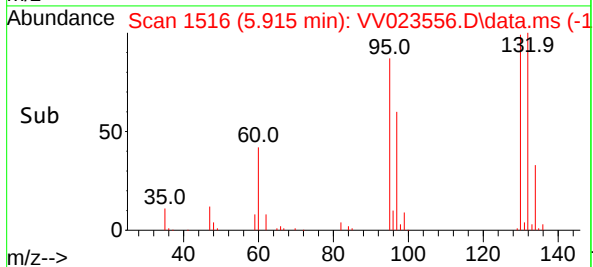
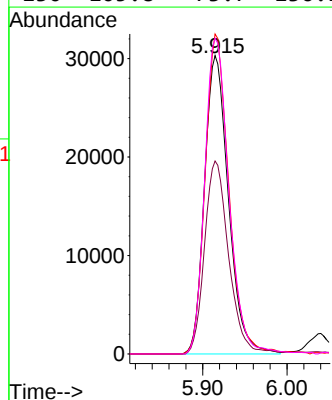
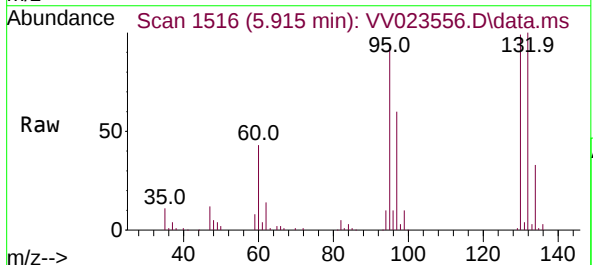
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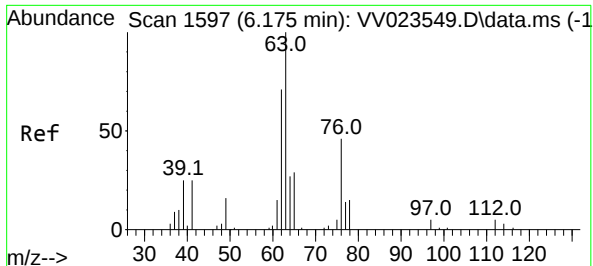
Tgt Ion: 78 Resp: 33791



#34
Trichloroethene
Concen: 6.631 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

Tgt Ion: 95 Resp: 60068
Ion Ratio Lower Upper
95 100
97 64.7 45.0 83.6
132 107.3 69.7 129.4
130 105.8 73.7 136.9





#37

1,2-Dichloropropane

Concen: 0.520 ug/L

RT: 6.075 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023556.D

Acq: 17 Nov 2021 00:21

Instrument :

MSVOA_V

ClientSampleId :

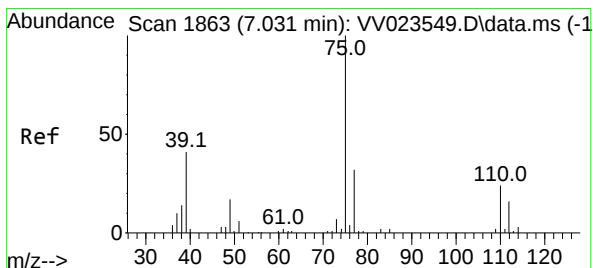
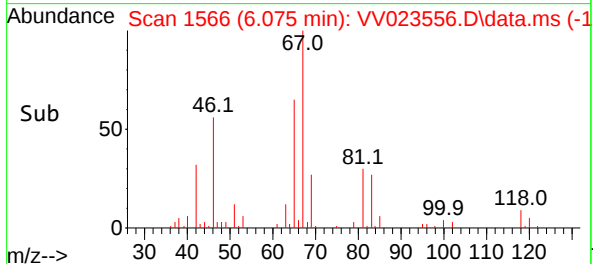
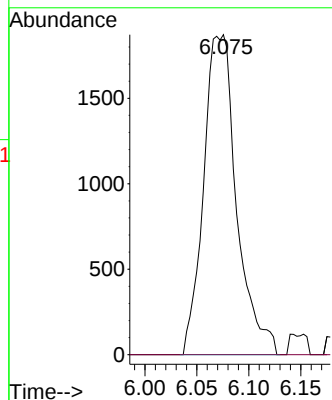
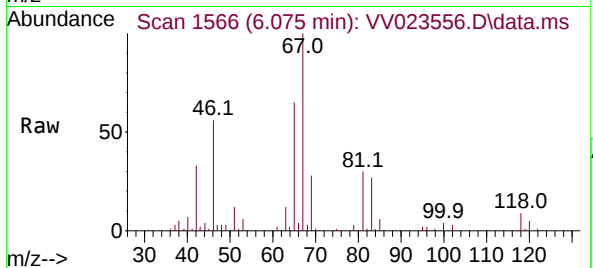
H4639

Tgt Ion: 63 Resp: 4134

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.039 min

Lab File: VV023556.D

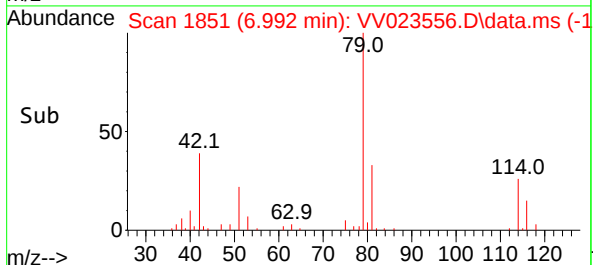
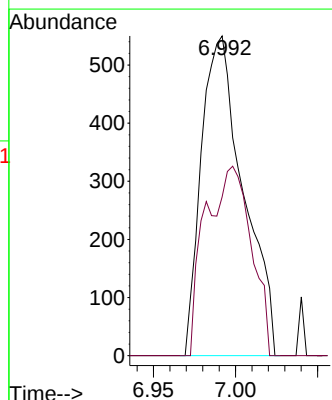
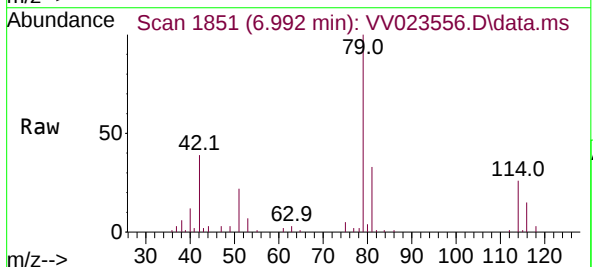
Acq: 17 Nov 2021 00:21

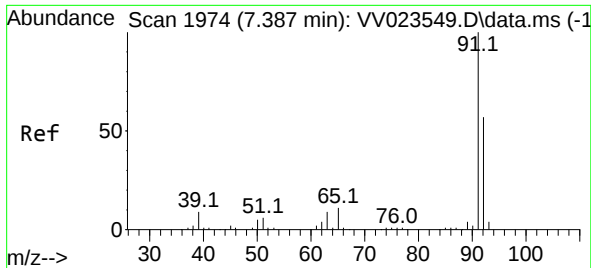
Tgt Ion: 75 Resp: 979

Ion Ratio Lower Upper

75 100

77 49.6 21.6 40.2#





#42

Toluene

Concen: 0.772 ug/L

RT: 7.391 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV023556.D

Acq: 17 Nov 2021 00:21

Instrument :

MSVOA_V

ClientSampleId :

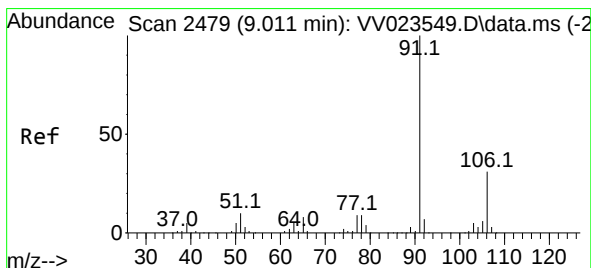
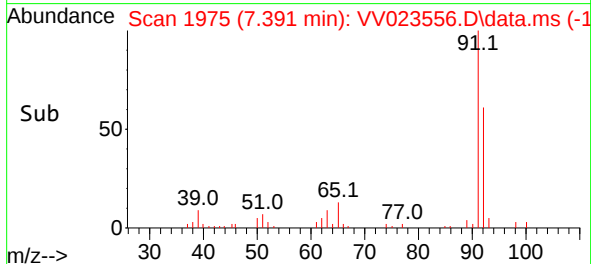
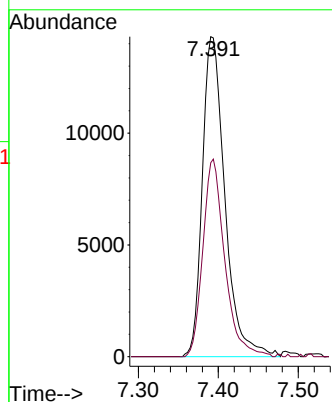
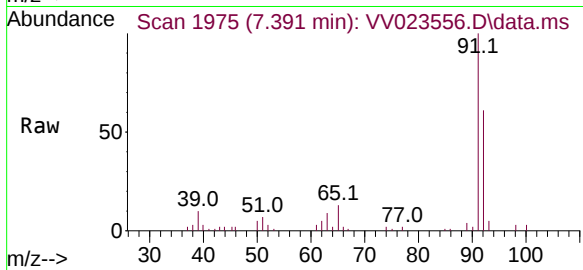
H4639

Tgt Ion: 91 Resp: 28119

Ion Ratio Lower Upper

91 100

92 60.6 39.3 72.9



#52

Ethylbenzene

Concen: 0.471 ug/L

RT: 9.017 min Scan# 2481

Delta R.T. 0.006 min

Lab File: VV023556.D

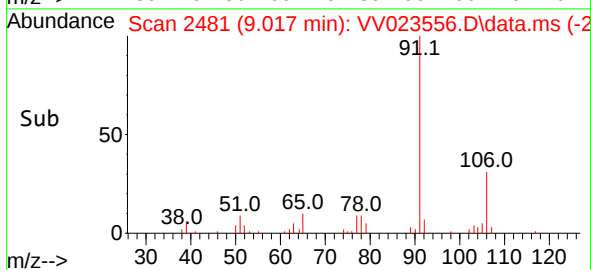
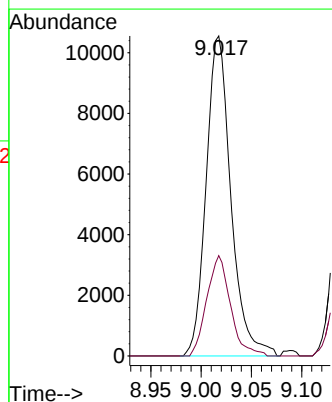
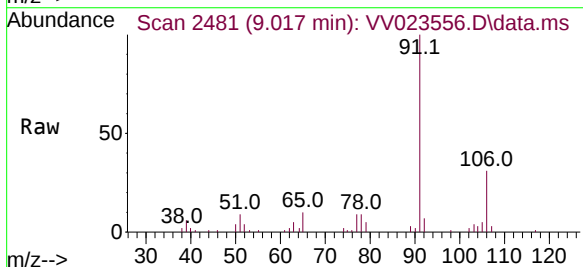
Acq: 17 Nov 2021 00:21

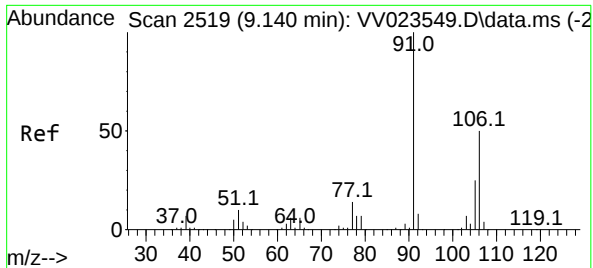
Tgt Ion: 91 Resp: 18091

Ion Ratio Lower Upper

91 100

106 31.3 22.5 41.9

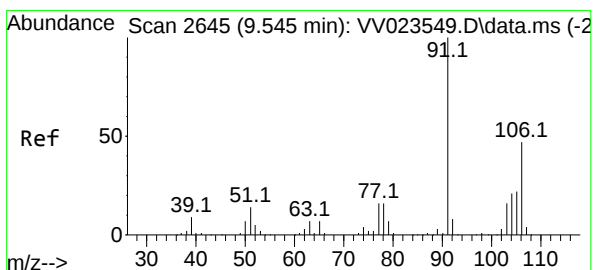
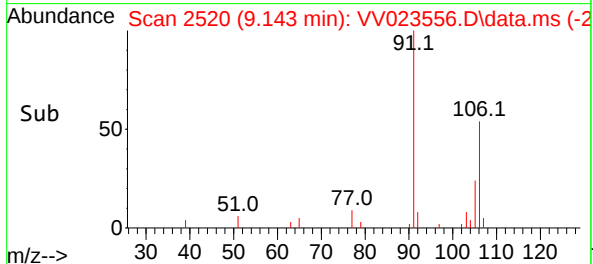
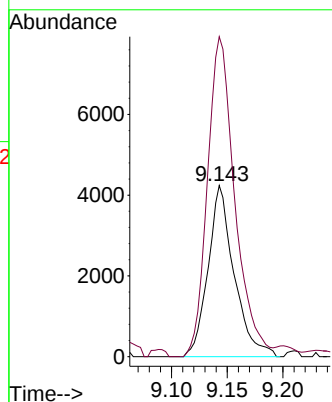
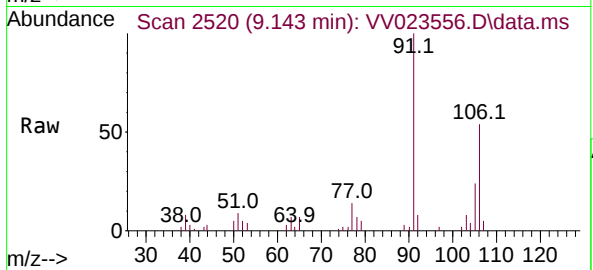




#53
m,p-xylene
Concen: 0.457 ug/L
RT: 9.143 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

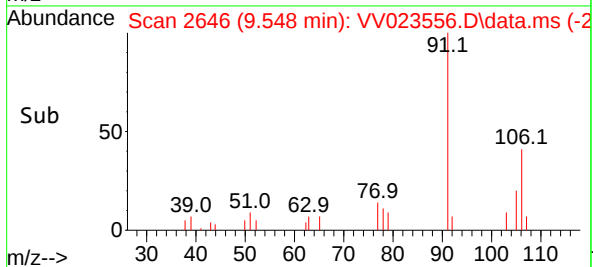
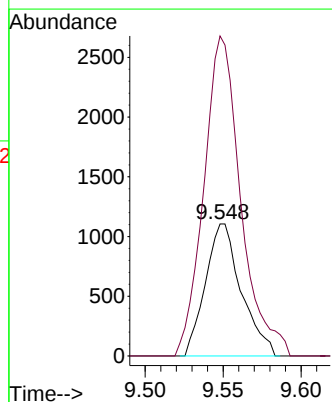
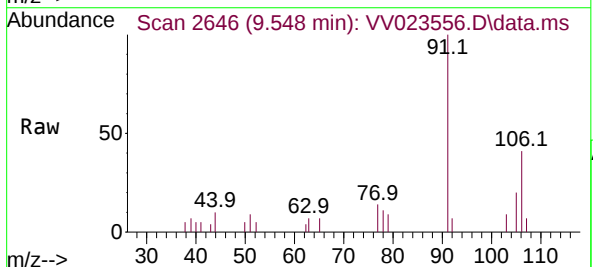
Instrument :
MSVOA_V
ClientSampleId :
H4639

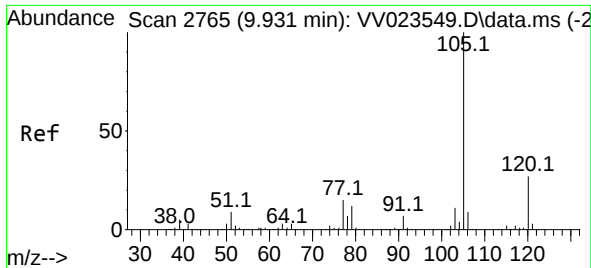
Tgt Ion:106 Resp: 6889
Ion Ratio Lower Upper
106 100
91 186.9 137.2 254.8



#54
o-xylene
Concen: 0.125 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.003 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

Tgt Ion:106 Resp: 1768
Ion Ratio Lower Upper
106 100
91 242.2 148.3 275.5

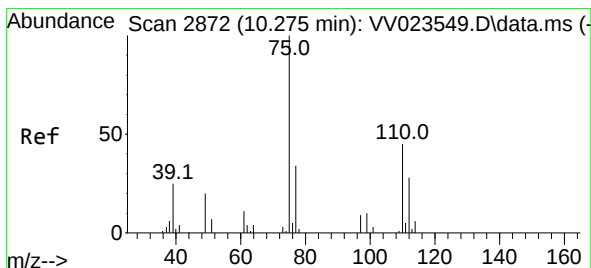
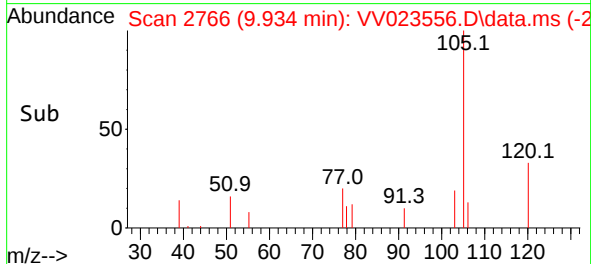
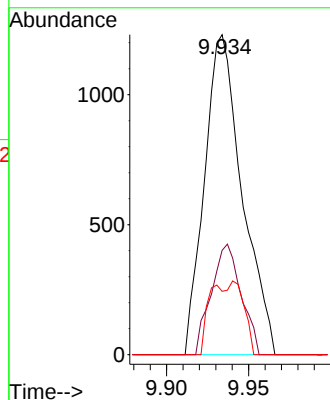
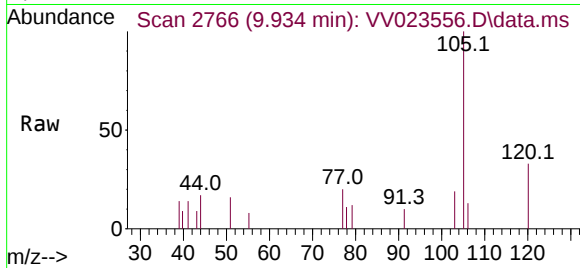




#60
Isopropylbenzene
Concen: 0.056 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

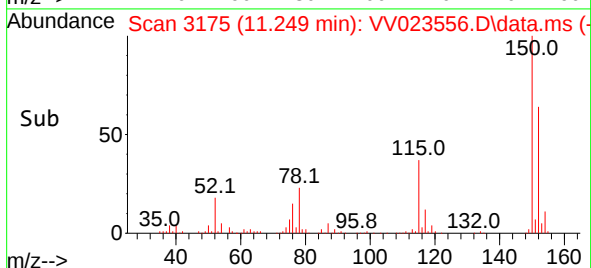
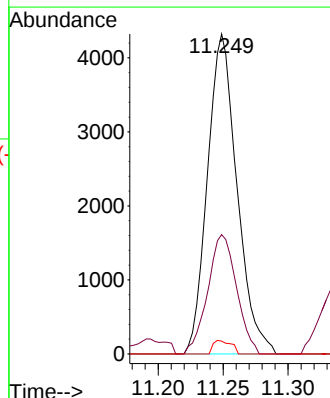
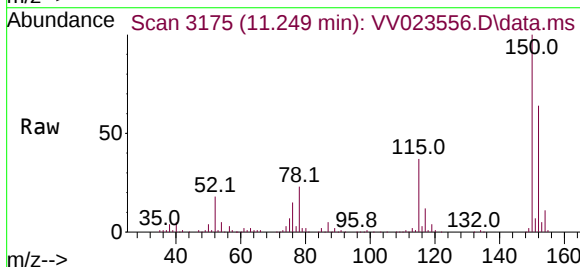
Instrument :
MSVOA_V
ClientSampleId :
H4639

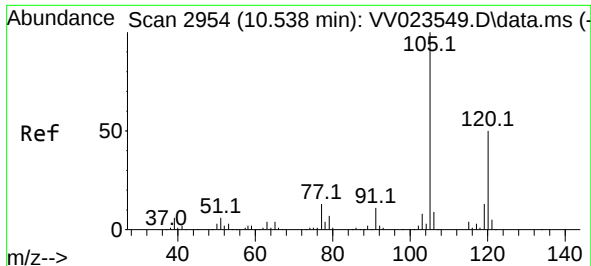
Tgt Ion:105 Resp: 1959
Ion Ratio Lower Upper
105 100
120 27.5 21.7 32.5
77 9.4 12.6 19.0#



#61
1,2,3-Trichloropropane
Concen: 1.686 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

Tgt Ion: 75 Resp: 6828
Ion Ratio Lower Upper
75 100
77 36.4 26.6 39.8
110 2.6 31.8 47.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.055 ug/L

RT: 10.541 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV023556.D

Acq: 17 Nov 2021 00:21

Instrument :

MSVOA_V

ClientSampleId :

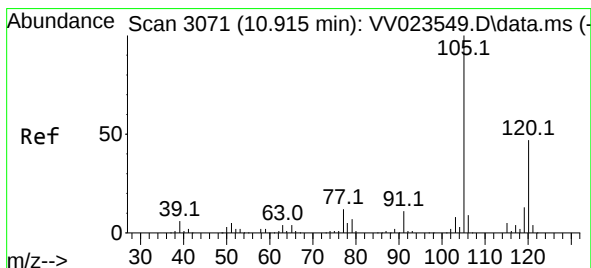
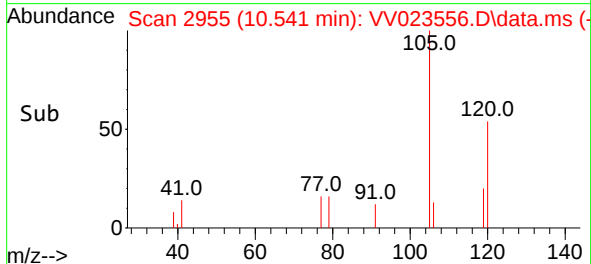
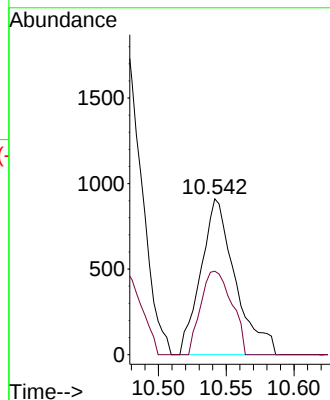
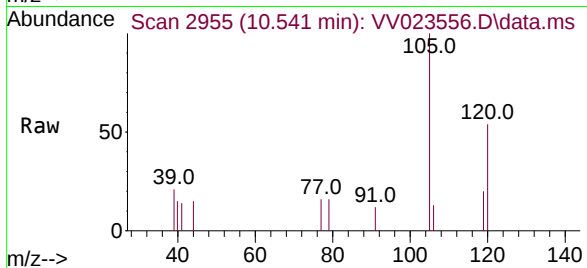
H4639

Tgt Ion:105 Resp: 1609

Ion Ratio Lower Upper

105 100

120 48.0 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 0.070 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.003 min

Lab File: VV023556.D

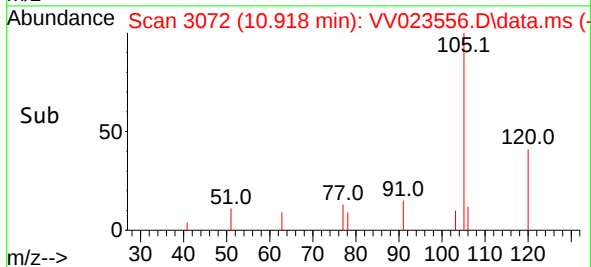
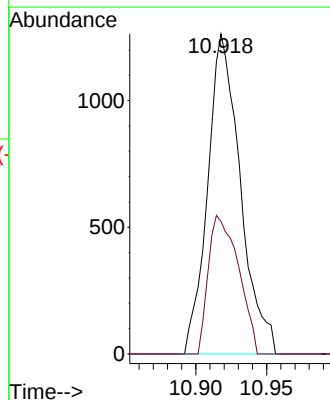
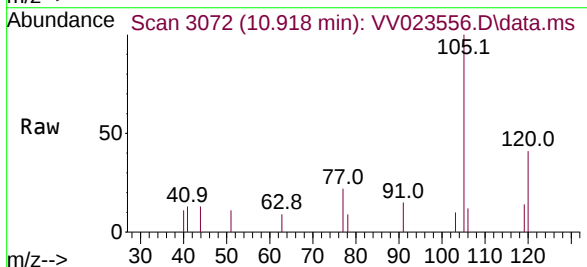
Acq: 17 Nov 2021 00:21

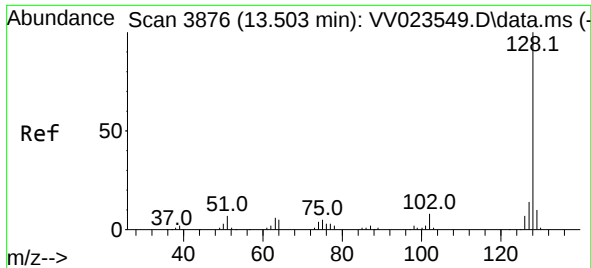
Tgt Ion:105 Resp: 2024

Ion Ratio Lower Upper

105 100

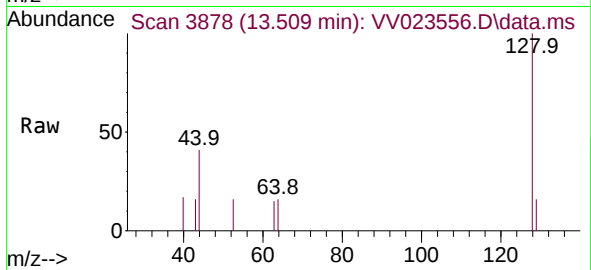
120 39.9 37.4 56.2





#71
Naphthalene
Concen: 0.075 ug/L
RT: 13.509 min Scan# 3876
Delta R.T. 0.006 min
Lab File: VV023556.D
Acq: 17 Nov 2021 00:21

Instrument :
MSVOA_V
ClientSampleId :
H4639



Tgt Ion:128 Resp: 1244
Ion Ratio Lower Upper
128 100
129 5.6 8.6 13.0#
127 1.8 10.5 15.7#

