

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW082922\
 Data File : VW027568.D
 Acq On : 29 Aug 2022 17:34
 Operator : SY/MD
 Sample : N4366-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F5F16

Quant Time: Aug 30 04:19:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 27 03:12:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	120964	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	138907	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	51713	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	34196	3.972	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.400%
7) Chloroethane-d5	1.564	69	36601	5.809	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.200%
11) 1,1-Dichloroethene-d2	2.105	63	58911	2.935	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.600%#
20) 2-Butanone-d5	3.895	46	56306	52.554	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.100%
24) Chloroform-d	4.349	84	67775	3.937	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
26) 1,2-Dichloroethane-d4	5.034	65	35682	4.791	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.050	84	129495	3.366	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.400%#
36) 1,2-Dichloropropane-d6	6.069	67	39114	3.497	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	70.000%
41) Toluene-d8	7.317	98	107346	3.090	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.800%#
43) trans-1,3-Dichloroprop...	7.628	79	10659	2.783	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	55.600%
46) 2-Hexanone-d5	8.091	63	56759	45.019	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.040%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	32972	4.629	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	36360	4.743	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	584	0.052	ug/L	94
6) Bromomethane	1.519	94	466	0.084	ug/L	90
8) Chloroethane	1.587	64	567	0.086	ug/L #	64
12) 1,1-Dichloroethene	2.101	96	780	0.085	ug/L #	1
13) Acetone	2.178	43	4533	4.430	ug/L	85
15) Methyl Acetate	2.497	43	1590	0.561	ug/L #	56
22) cis-1,2-Dichloroethene	3.912	96	1320	0.131	ug/L	87
25) Chloroform	4.378	83	5067	0.239	ug/L	94
30) Cyclohexane	4.683	56	5512	0.337	ug/L #	92
33) Benzene	5.101	78	45682	0.989	ug/L	100
34) Trichloroethene	5.921	95	3896	0.321	ug/L	83
35) Methylcyclohexane	6.130	83	8799	0.515	ug/L	92
37) 1,2-Dichloropropane	6.069	63	4866	0.395	ug/L #	85
42) Toluene	7.390	91	66143	1.387	ug/L	100
45) 1,1,2-Trichloroethane	7.792	97	574	0.073	ug/L #	13
47) Tetrachloroethene	7.976	164	6627	0.700	ug/L	97
49) Dibromochloromethane	7.979	129	6671	0.689	ug/L #	9
52) Ethylbenzene	9.014	91	16964	0.349	ug/L	99
53) m,p-Xylene	9.140	106	16334	0.877	ug/L	95

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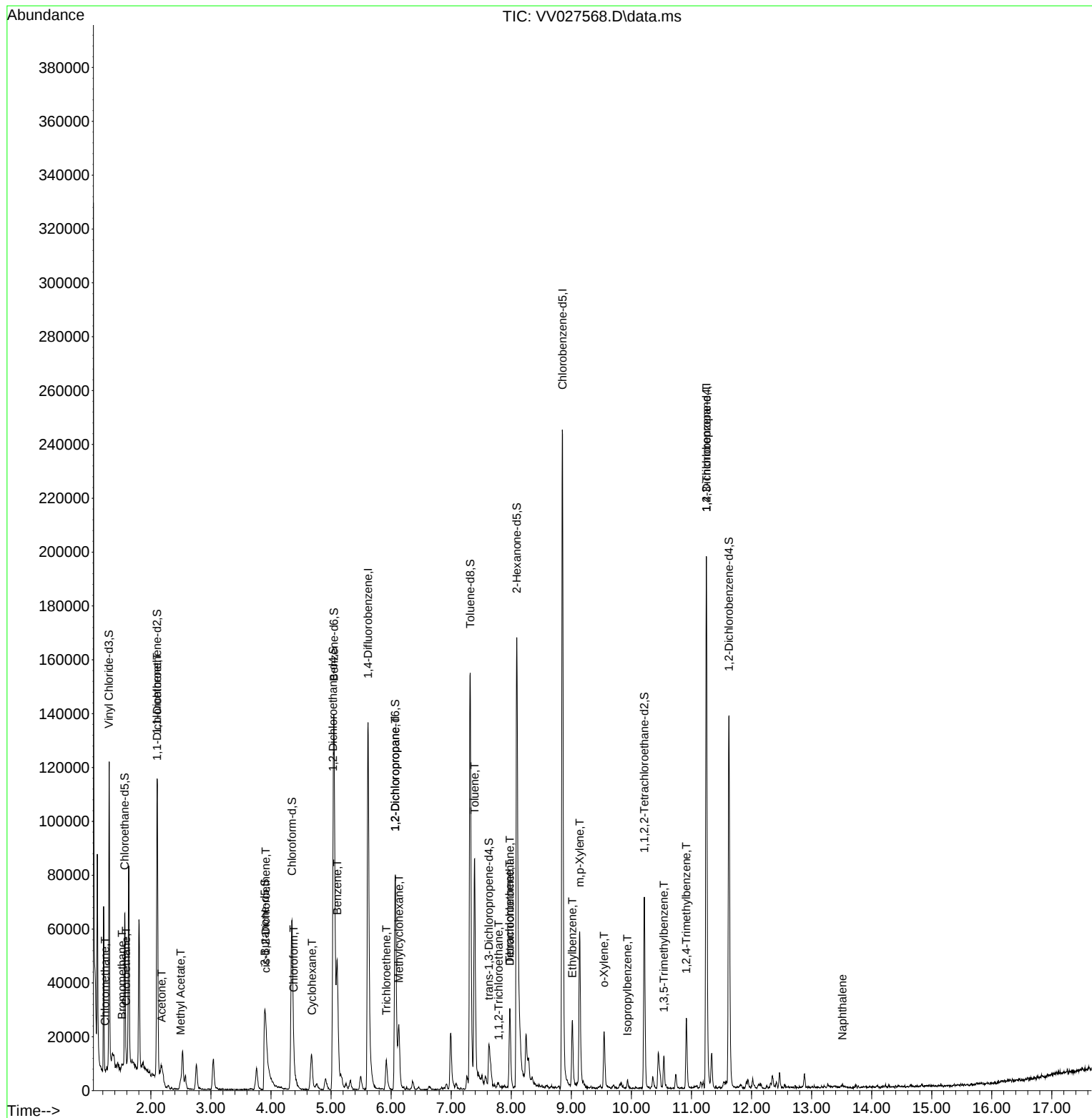
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.545	106	5280	0.292	ug/L	94
60) Isopropylbenzene	9.934	105	1872	0.055	ug/L	93
61) 1,2,3-Trichloropropane	11.249	75	5922	1.305	ug/L #	65
62) 1,3,5-Trimethylbenzene	10.538	105	5989	0.635	ug/L	97
63) 1,2,4-Trimethylbenzene	10.914	105	13865	0.522	ug/L	99
71) Naphthalene	13.512	128	1167	0.093	ug/L #	88

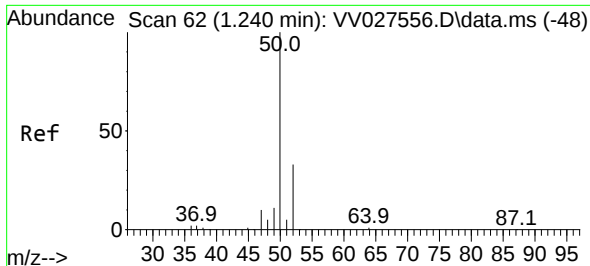
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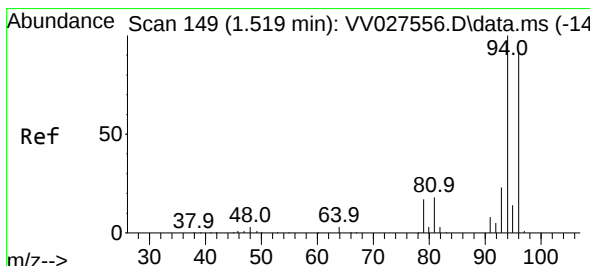
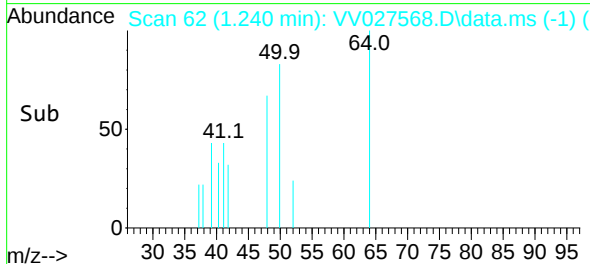
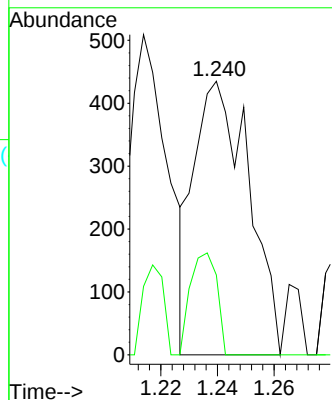
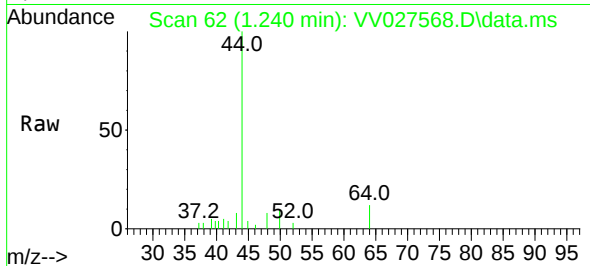




#3
Chloromethane
Concen: 0.052 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

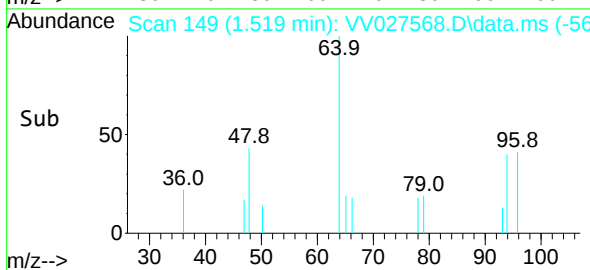
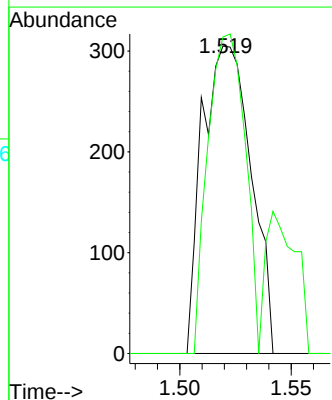
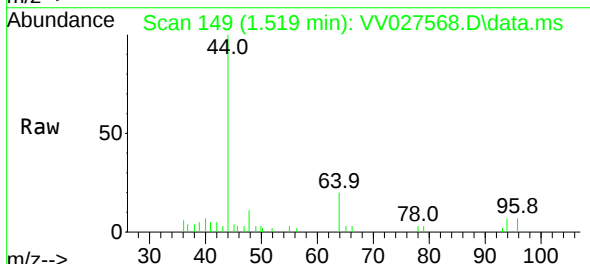
Instrument :
MSVOA_V
ClientSampleId :
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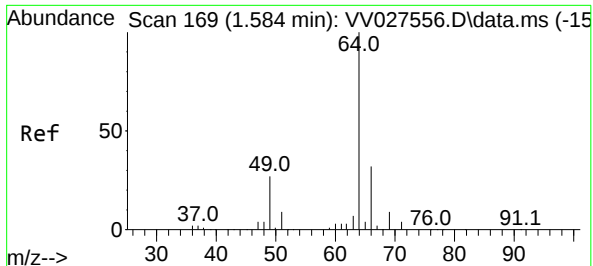
Tgt Ion: 50 Resp: 584
Ion Ratio Lower Upper
50 100
52 29.2 22.8 42.4



#6
Bromomethane
Concen: 0.084 ug/L
RT: 1.519 min Scan# 149
Delta R.T. -0.000 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

Tgt Ion: 94 Resp: 466
Ion Ratio Lower Upper
94 100
96 103.0 65.2 121.0

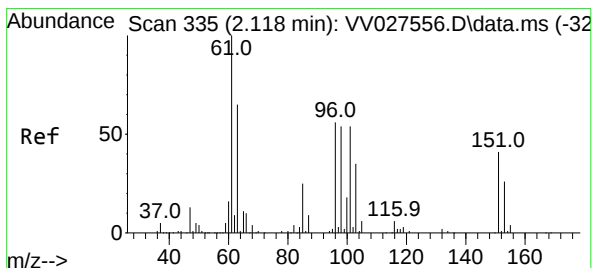
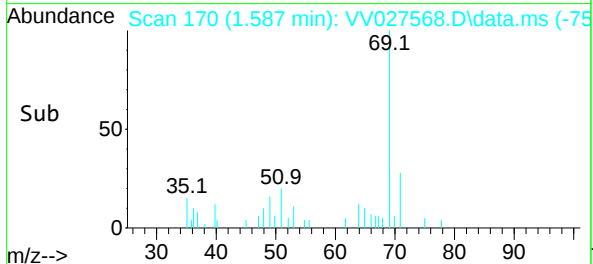
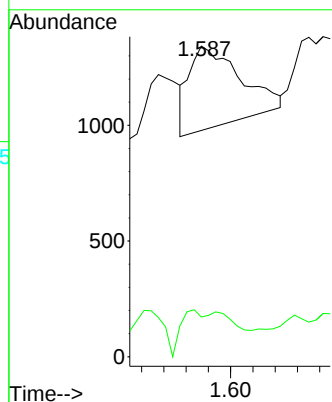
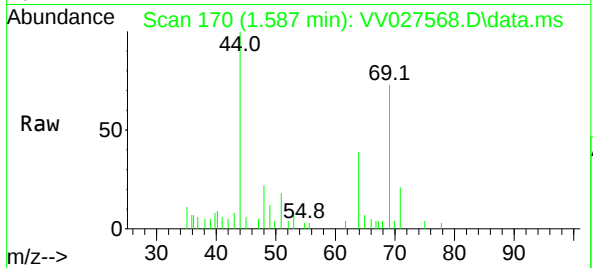




#8
Chloroethane
Concen: 0.086 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

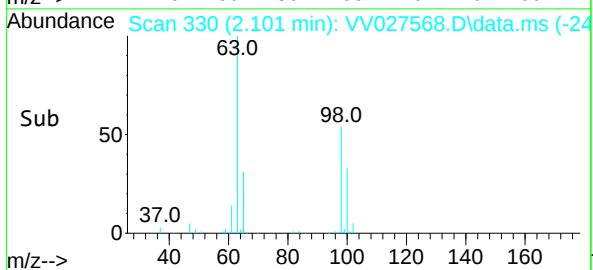
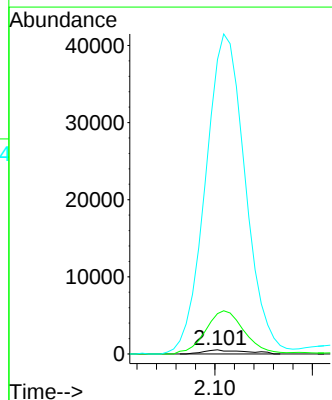
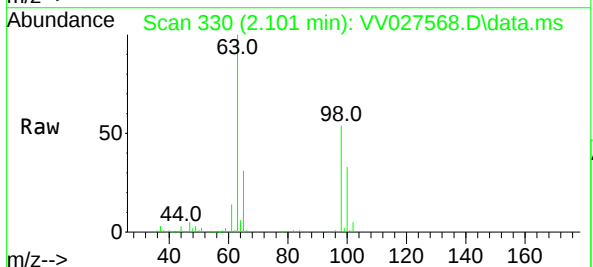
Instrument :
MSVOA_V
ClientSampleId :
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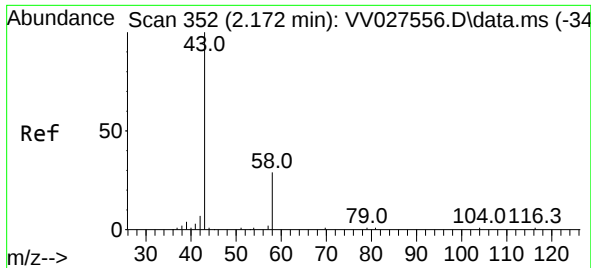
Tgt Ion: 64 Resp: 567
Ion Ratio Lower Upper
64 100
66 12.8 23.3 43.3#



#12
1,1-Dichloroethene
Concen: 0.085 ug/L
RT: 2.101 min Scan# 330
Delta R.T. -0.010 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

Tgt Ion: 96 Resp: 780
Ion Ratio Lower Upper
96 100
61 974.1 130.2 241.8#
63 7120.9 87.4 162.4#

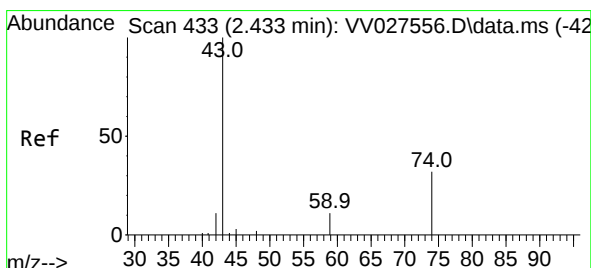
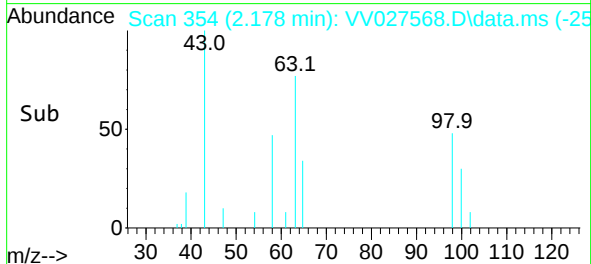
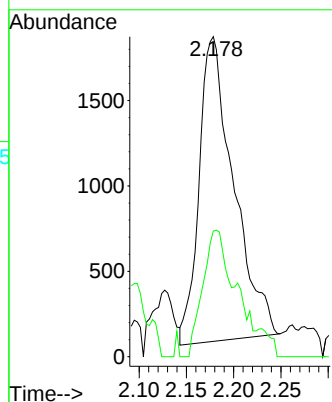
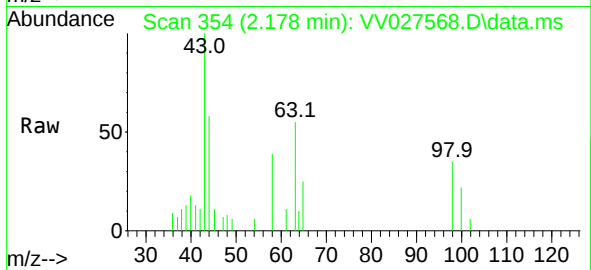




#13
Acetone
Concen: 4.430 ug/L
RT: 2.178 min Scan# 352
Delta R.T. 0.006 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

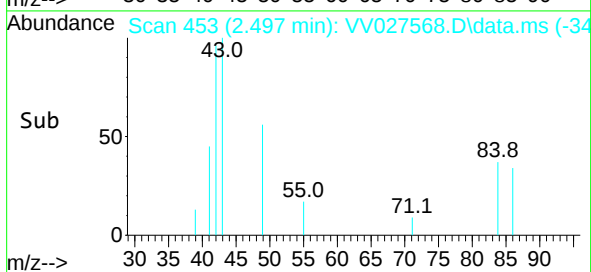
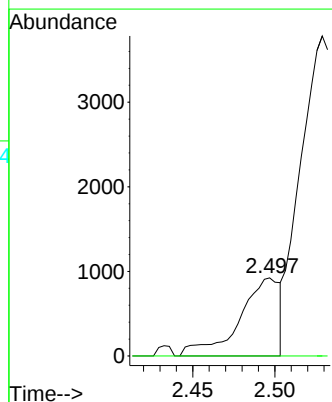
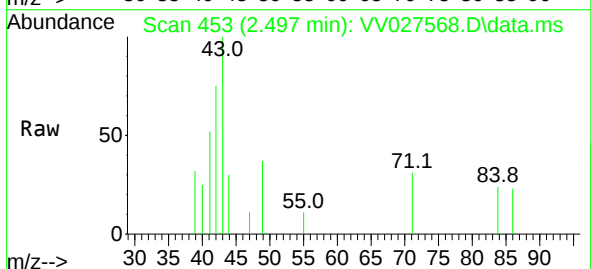
Instrument :
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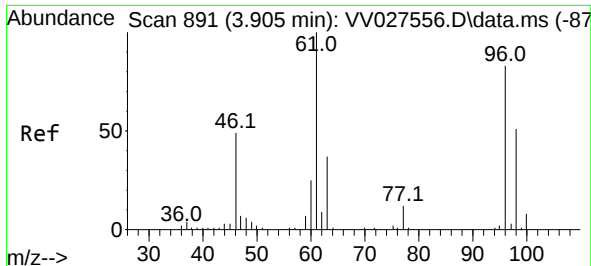
Tgt Ion: 43 Resp: 4533
Ion Ratio Lower Upper
43 100
58 39.1 0.0 62.2



#15
Methyl Acetate
Concen: 0.561 ug/L
RT: 2.497 min Scan# 453
Delta R.T. 0.064 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

Tgt Ion: 43 Resp: 1590
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#





#22

cis-1,2-Dichloroethene

Concen: 0.131 ug/L

RT: 3.912 min Scan# 891

Delta R.T. 0.006 min

Lab File: VV027568.D

Acq: 29 Aug 2022 17:34

Instrument :

MSVOA_V

ClientSampleId :

F5F16

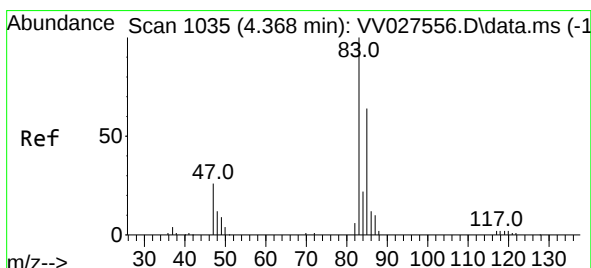
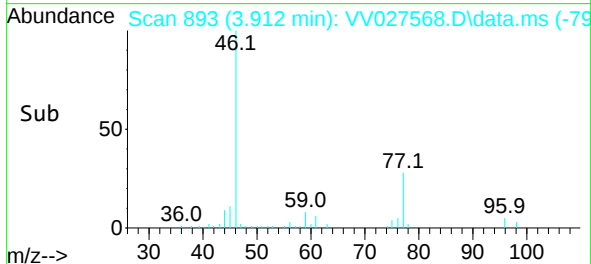
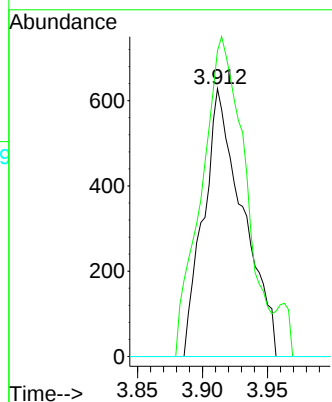
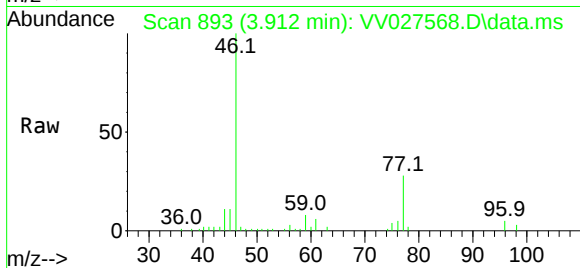
Tgt Ion: 96 Resp: 1320

Ion Ratio Lower Upper

96 100

61 114.2 90.6 168.2

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.239 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.013 min

Lab File: VV027568.D

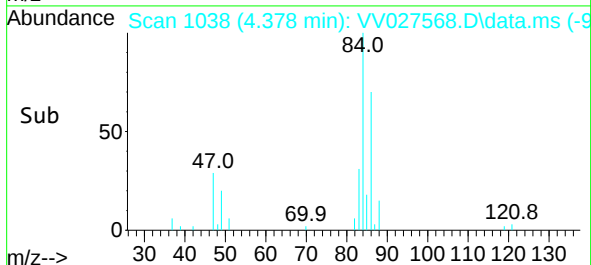
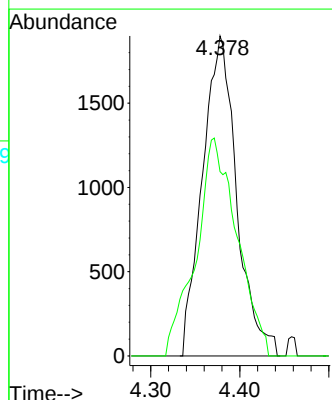
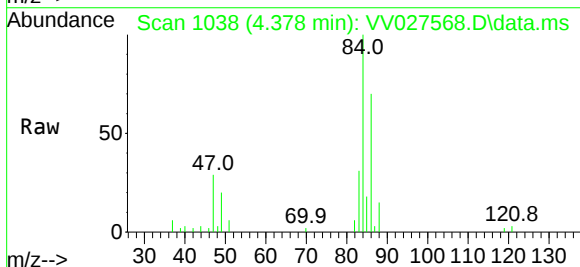
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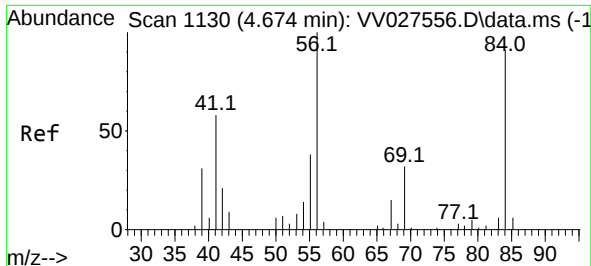
Tgt Ion: 83 Resp: 5067

Ion Ratio Lower Upper

83 100

85 57.6 43.3 80.5

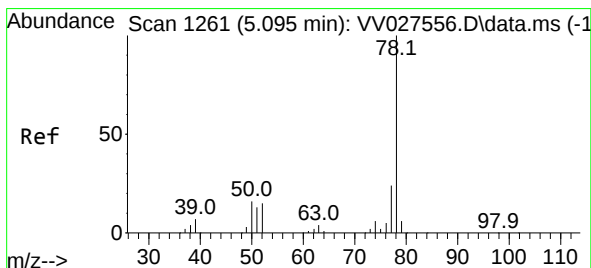
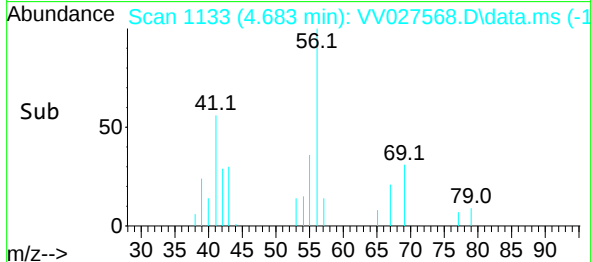
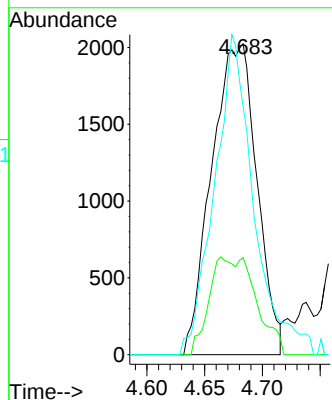
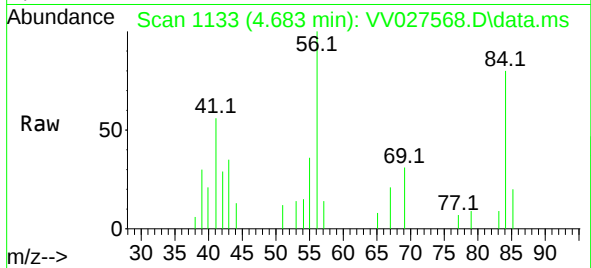




#30
Cyclohexane
Concen: 0.337 ug/L
RT: 4.683 min Scan# 1130
Delta R.T. 0.013 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

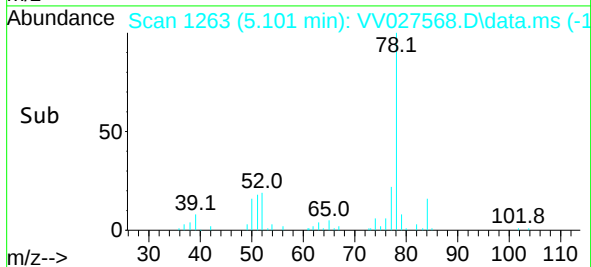
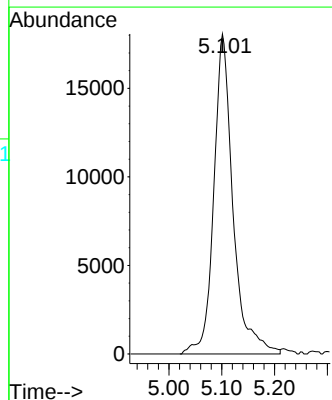
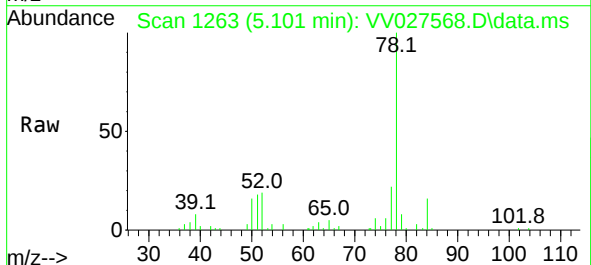
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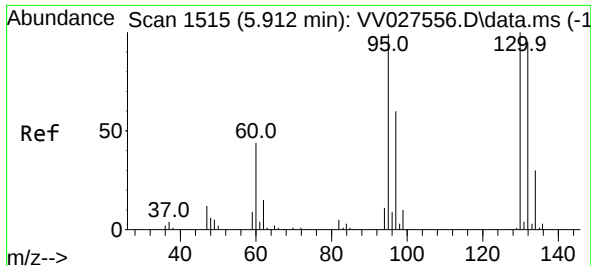
Tgt Ion: 56 Resp: 5512
Ion Ratio Lower Upper
56 100
69 18.1 25.4 38.0#
84 89.4 69.7 104.5



#33
Benzene
Concen: 0.989 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.010 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

Tgt Ion: 78 Resp: 45682

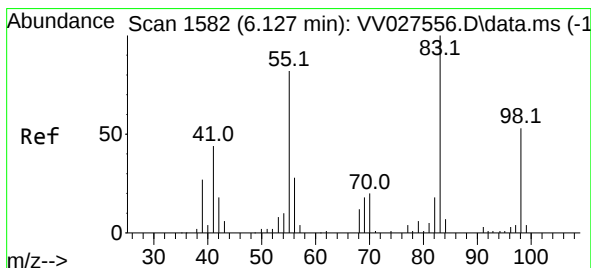
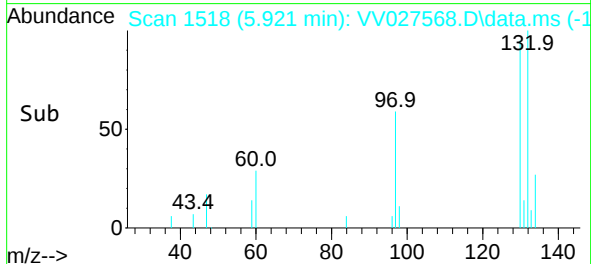
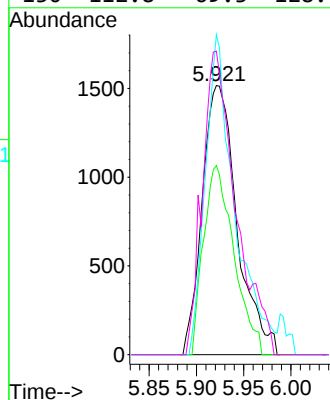
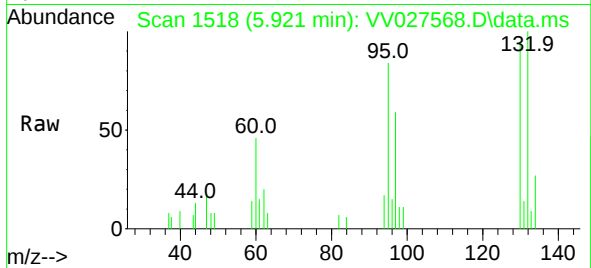




#34
Trichloroethene
Concen: 0.321 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.013 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

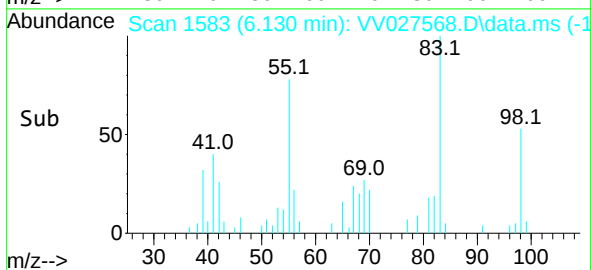
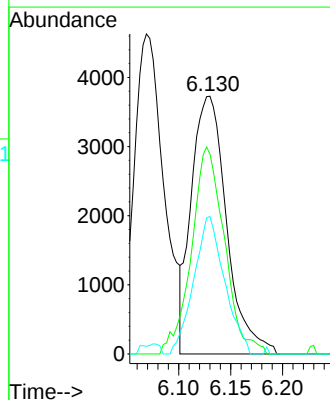
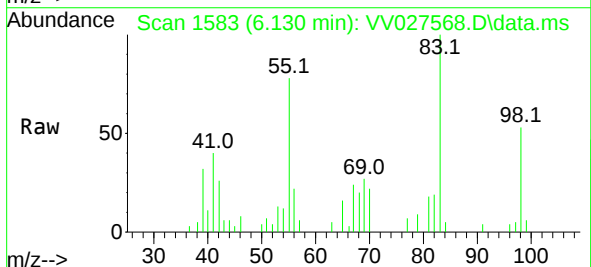
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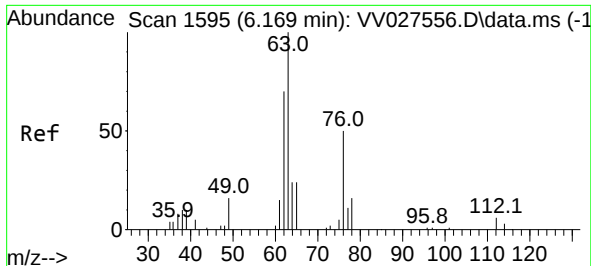
Tgt Ion: 95	Resp: 3896
Ion Ratio	Lower Upper
95 100	
97 70.3	45.0 83.6
132 118.9	65.7 121.9
130 112.8	69.3 128.7



#35
Methylcyclohexane
Concen: 0.515 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

Tgt Ion: 83	Resp: 8799
Ion Ratio	Lower Upper
83 100	
55 75.0	68.2 102.4
98 46.6	39.0 58.4





#37

1,2-Dichloropropane

Concen: 0.395 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV027568.D

Acq: 29 Aug 2022 17:34

Instrument :

MSVOA_V

ClientSampleId :

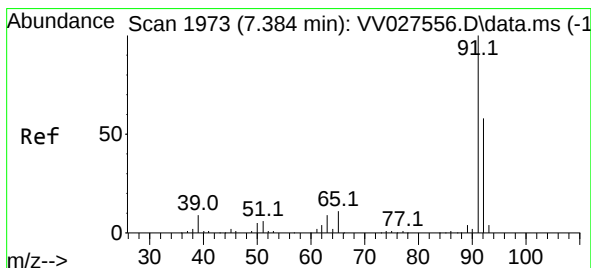
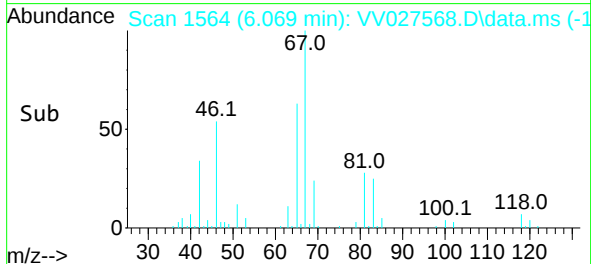
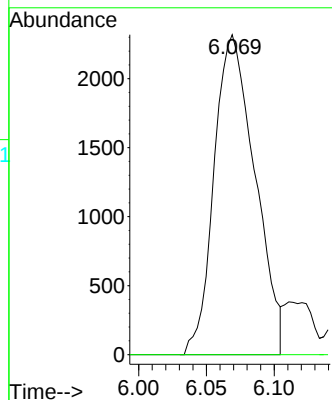
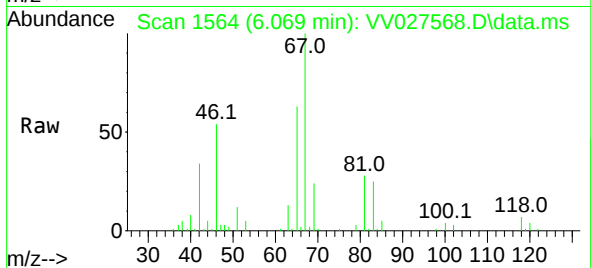
F5F16

Tgt Ion: 63 Resp: 4866

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#42

Toluene

Concen: 1.387 ug/L

RT: 7.390 min Scan# 1975

Delta R.T. 0.006 min

Lab File: VV027568.D

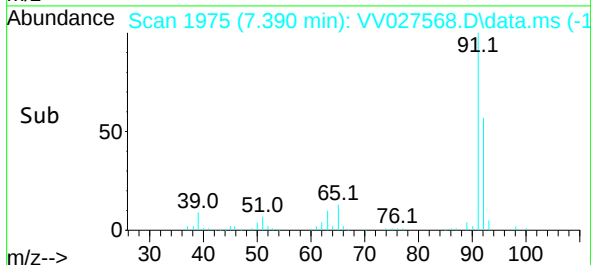
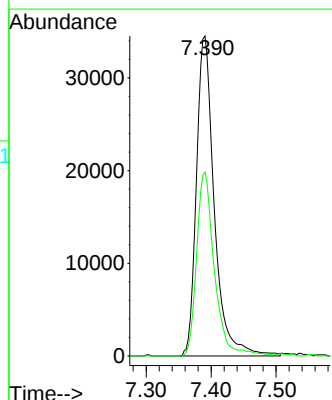
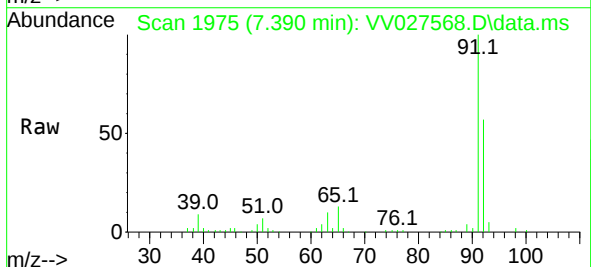
Acq: 29 Aug 2022 17:34

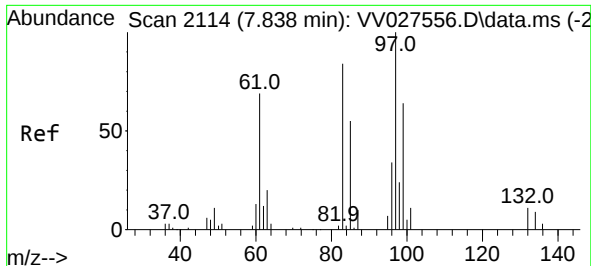
Tgt Ion: 91 Resp: 66143

Ion Ratio Lower Upper

91 100

92 57.4 40.4 75.0

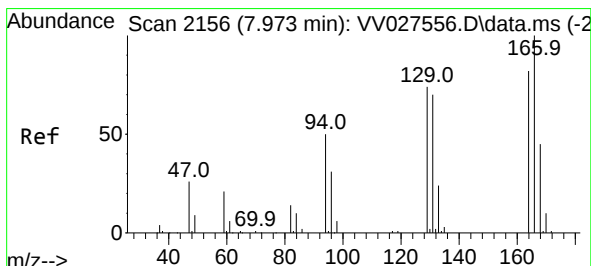
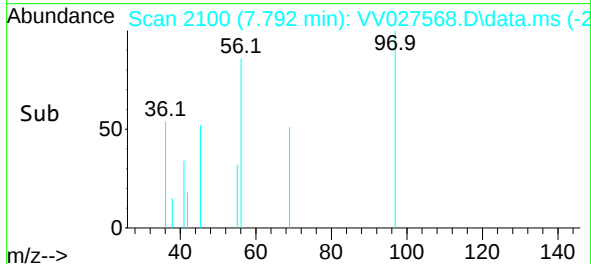
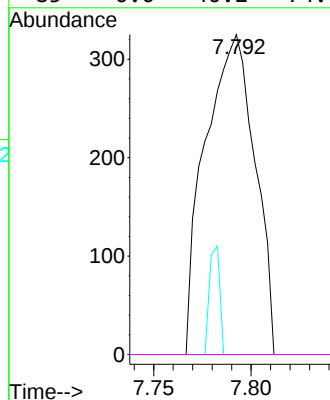
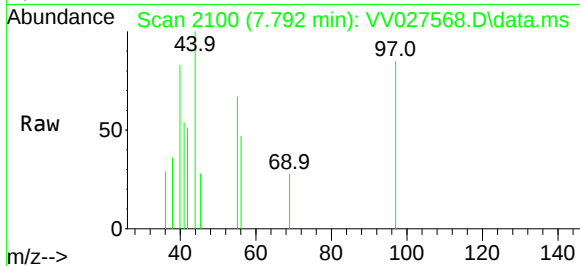




#45
1,1,2-Trichloroethane
Concen: 0.073 ug/L
RT: 7.792 min Scan# 2114
Delta R.T. -0.042 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

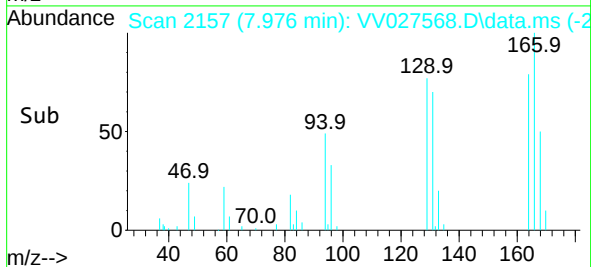
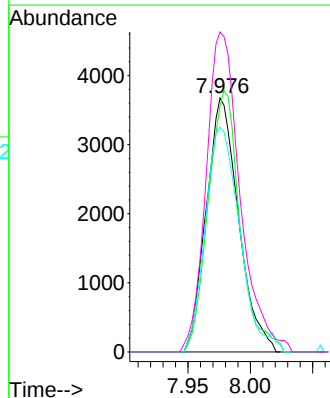
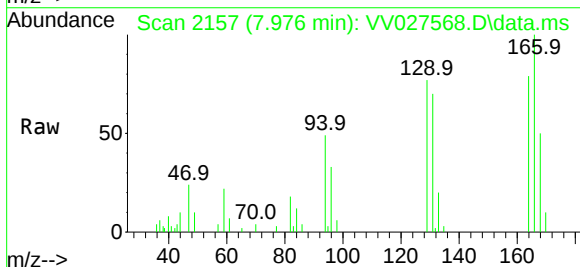
Instrument :
MSVOA_V
ClientSampleId :
F5F16

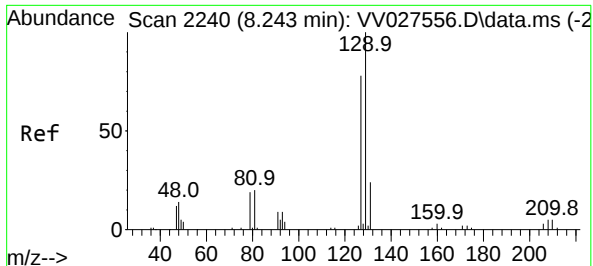
Tgt Ion: 97	Resp:	574
Ion	Ratio	Lower Upper
97	100	
99	0.0	46.1 85.7#
83	0.0	63.0 117.0#
85	0.0	40.2 74.6#



#47
Tetrachloroethene
Concen: 0.700 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

Tgt	Ion:164	Resp:	6627
Ion	Ratio	Lower	Upper
164	100		
129	97.1	71.1	132.1
131	88.5	64.5	119.9
166	126.0	89.4	166.0





#49

Dibromochloromethane

Concen: 0.689 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.264 min

Lab File: VV027568.D

Acq: 29 Aug 2022 17:34

Instrument :

MSVOA_V

ClientSampleId :

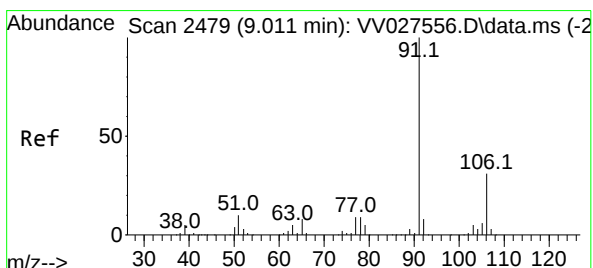
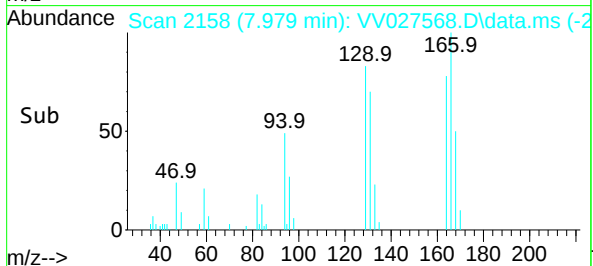
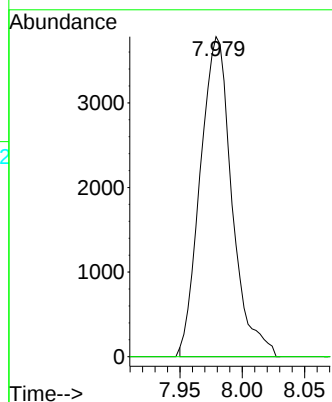
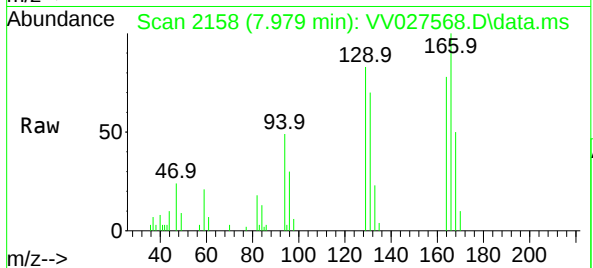
F5F16

Tgt Ion:129 Resp: 6671

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#52

Ethylbenzene

Concen: 0.349 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.006 min

Lab File: VV027568.D

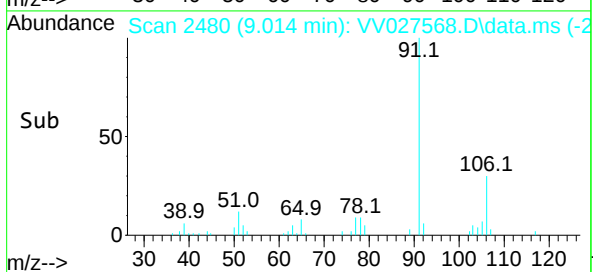
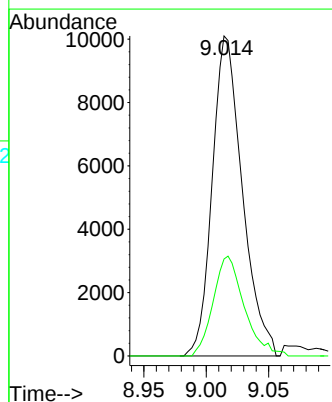
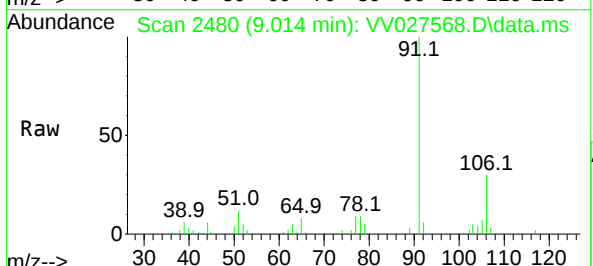
Acq: 29 Aug 2022 17:34

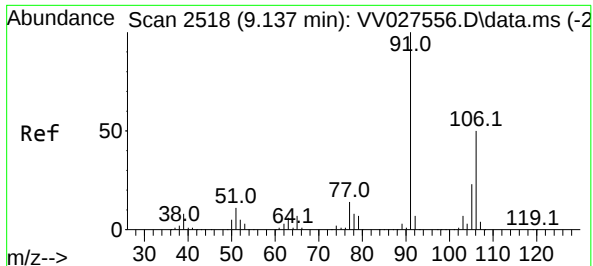
Tgt Ion: 91 Resp: 16964

Ion Ratio Lower Upper

91 100

106 30.3 21.4 39.8

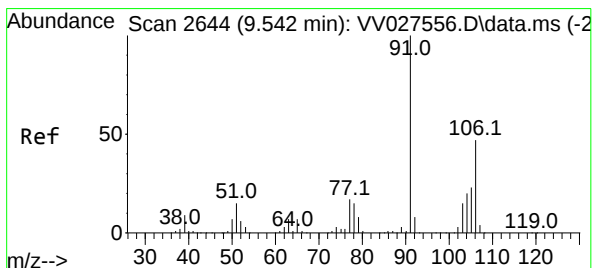
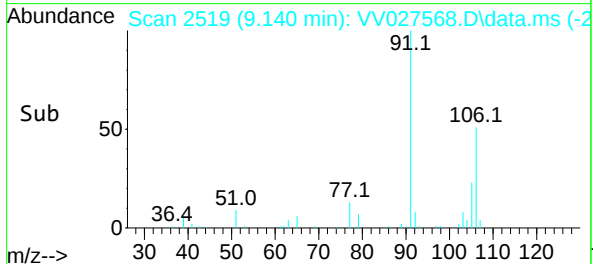
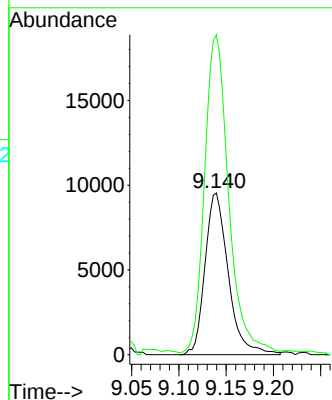
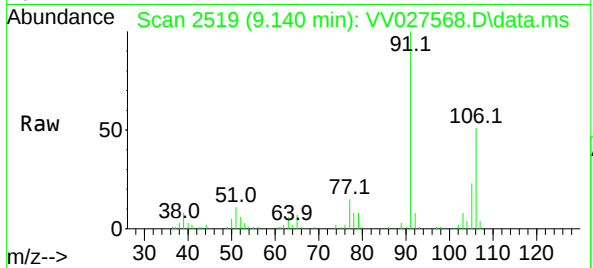




#53
m,p-Xylene
Concen: 0.877 ug/L
RT: 9.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

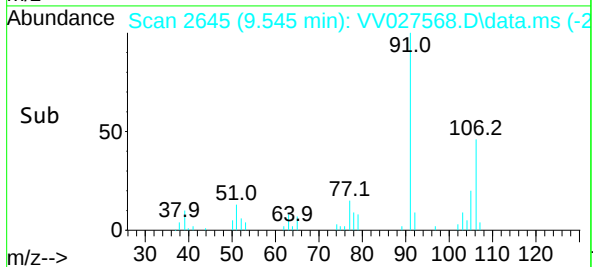
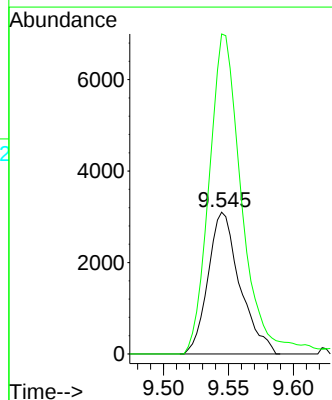
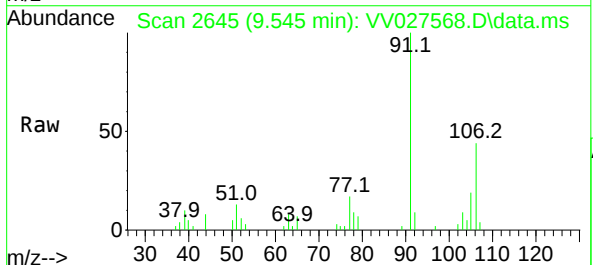
Instrument :
MSVOA_V
ClientSampleId :
F5F16

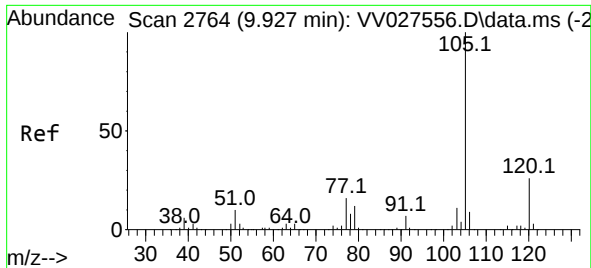
Tgt Ion:106 Resp: 16334
Ion Ratio Lower Upper
106 100
91 197.8 143.8 267.0



#54
o-Xylene
Concen: 0.292 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

Tgt Ion:106 Resp: 5280
Ion Ratio Lower Upper
106 100
91 225.8 151.6 281.6

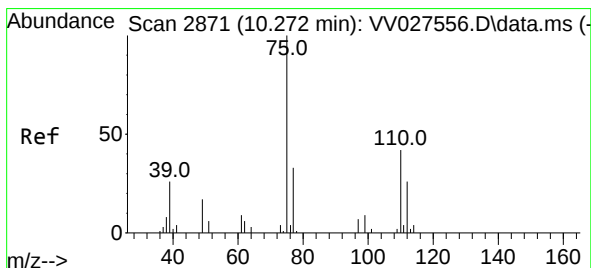
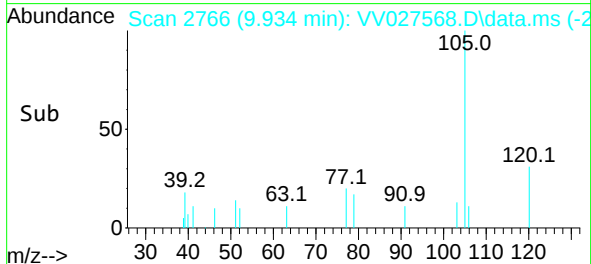
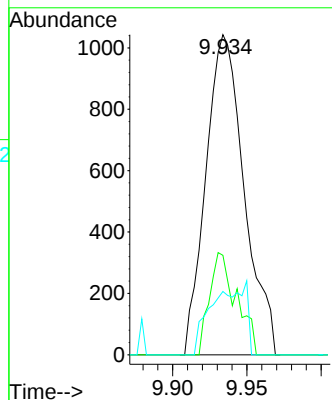
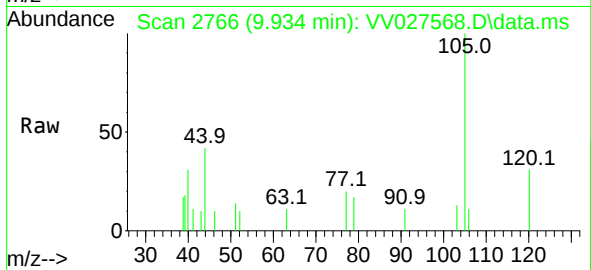




#60
Isopropylbenzene
Concen: 0.055 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

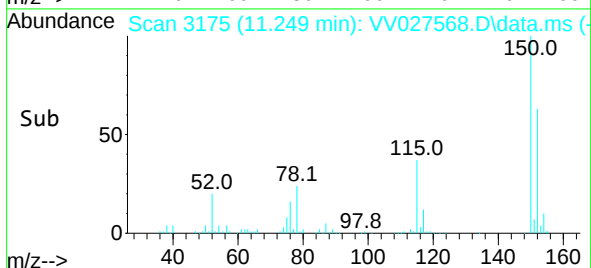
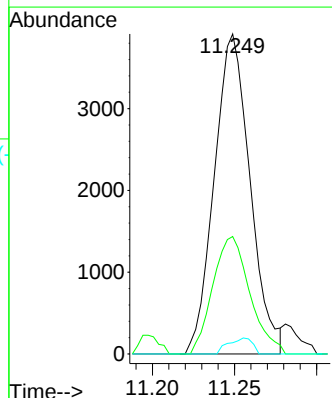
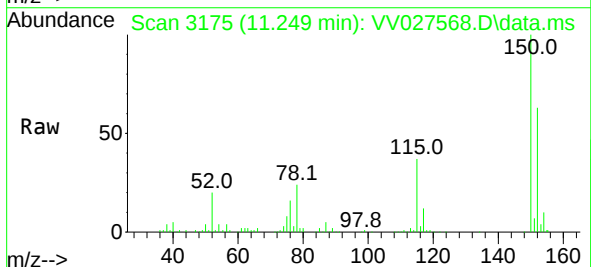
Instrument :
MSVOA_V
ClientSampleId :
F5F16

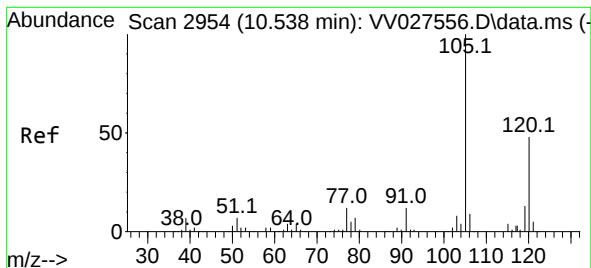
Tgt Ion:105 Resp: 1872
Ion Ratio Lower Upper
105 100
120 22.5 20.9 31.3
77 13.6 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 1.305 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

Tgt Ion: 75 Resp: 5922
Ion Ratio Lower Upper
75 100
77 38.1 26.2 39.2
110 3.3 29.9 44.9#





#62

1,3,5-Trimethylbenzene

Concen: 0.635 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV027568.D

Acq: 29 Aug 2022 17:34

Instrument :

MSVOA_V

ClientSampleId :

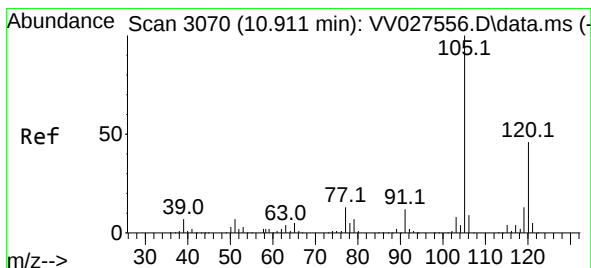
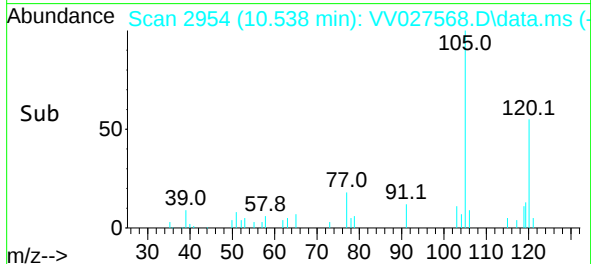
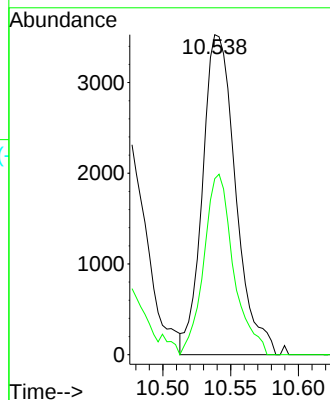
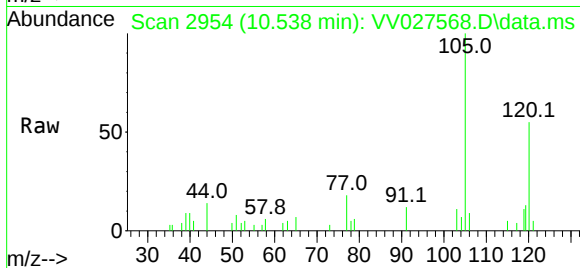
F5F16

Tgt Ion:105 Resp: 5989

Ion Ratio Lower Upper

105 100

120 50.7 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 0.522 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV027568.D

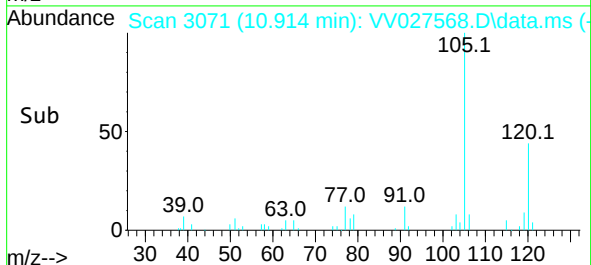
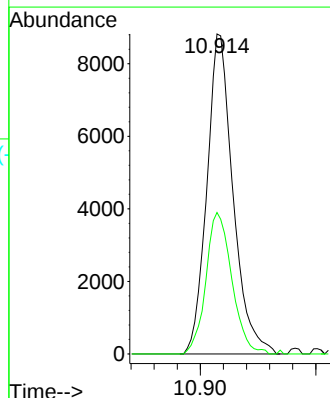
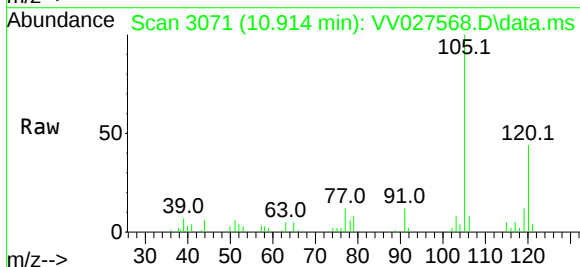
Acq: 29 Aug 2022 17:34

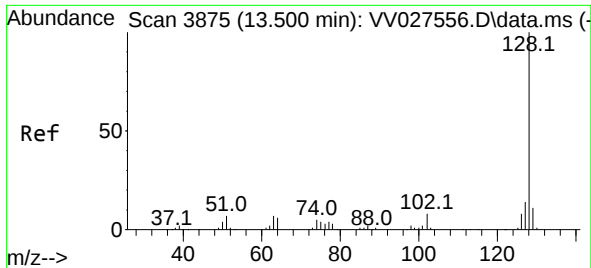
Tgt Ion:105 Resp: 13865

Ion Ratio Lower Upper

105 100

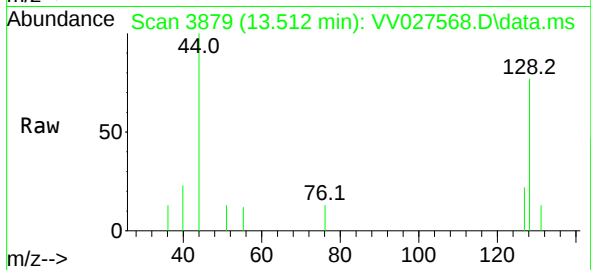
120 43.8 35.8 53.6





#71
Naphthalene
Concen: 0.093 ug/L
RT: 13.512 min Scan# 3879
Delta R.T. 0.013 min
Lab File: VV027568.D
Acq: 29 Aug 2022 17:34

Instrument :
MSVOA_V
ClientSampleId :
F5F16



Tgt Ion:	128	Resp:	1167
Ion	Ratio	Lower	Upper
128	100		
129	3.5	8.7	13.1#
127	10.9	10.4	15.6

