

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW082922\
 Data File : VW027565.D
 Acq On : 29 Aug 2022 16:20
 Operator : SY/MD
 Sample : N4400-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUZ2

Quant Time: Aug 30 04:19:22 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	150144	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	137587	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	70664	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	52912	4.952	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.000%
7) Chloroethane-d5	1.564	69	42533	5.439	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.800%
11) 1,1-Dichloroethene-d2	2.105	63	76063	3.053	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.000%
20) 2-Butanone-d5	3.902	46	52225	39.272	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.540%
24) Chloroform-d	4.346	84	91159	4.266	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.034	65	47664	5.156	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	5.047	84	182572	4.791	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.066	67	50209	4.532	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.313	98	140358	4.079	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
43) trans-1,3-Dichloroprop...	7.625	79	17243	4.545	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.091	63	63240	50.641	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.280%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	40791	5.781	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	53147	5.074	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	975	0.070	ug/L	96
6) Bromomethane	1.529	94	406	0.059	ug/L #	63
8) Chloroethane	1.584	64	104915	12.819	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	239095	19.036	ug/L	96
12) 1,1-Dichloroethene	2.117	96	1670	0.147	ug/L #	1
16) Methylene chloride	2.503	84	6778	0.396	ug/L	96
17) Methyl tert-butyl Ether	2.767	73	428312	18.223	ug/L	98
18) trans-1,2-Dichloroethene	2.764	96	588	0.050	ug/L	91
25) Chloroform	4.371	83	5853	0.222	ug/L	89
27) 1,2-Dichloroethane	5.098	62	1979	0.148	ug/L #	74
31) Carbon tetrachloride	4.825	117	63435	3.454	ug/L	98
33) Benzene	5.098	78	222284	4.859	ug/L	100
34) Trichloroethene	5.911	95	194786	16.180	ug/L	98
35) Methylcyclohexane	6.066	83	13707	0.810	ug/L #	15
37) 1,2-Dichloropropane	6.172	63	45429	3.725	ug/L	98
39) cis-1,3-Dichloropropene	6.985	75	1307	0.089	ug/L #	57
42) Toluene	7.387	91	421854	8.934	ug/L	99
47) Tetrachloroethene	7.972	164	108237	11.541	ug/L	95
49) Dibromochloromethane	7.972	129	100071	10.436	ug/L #	10

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082922\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

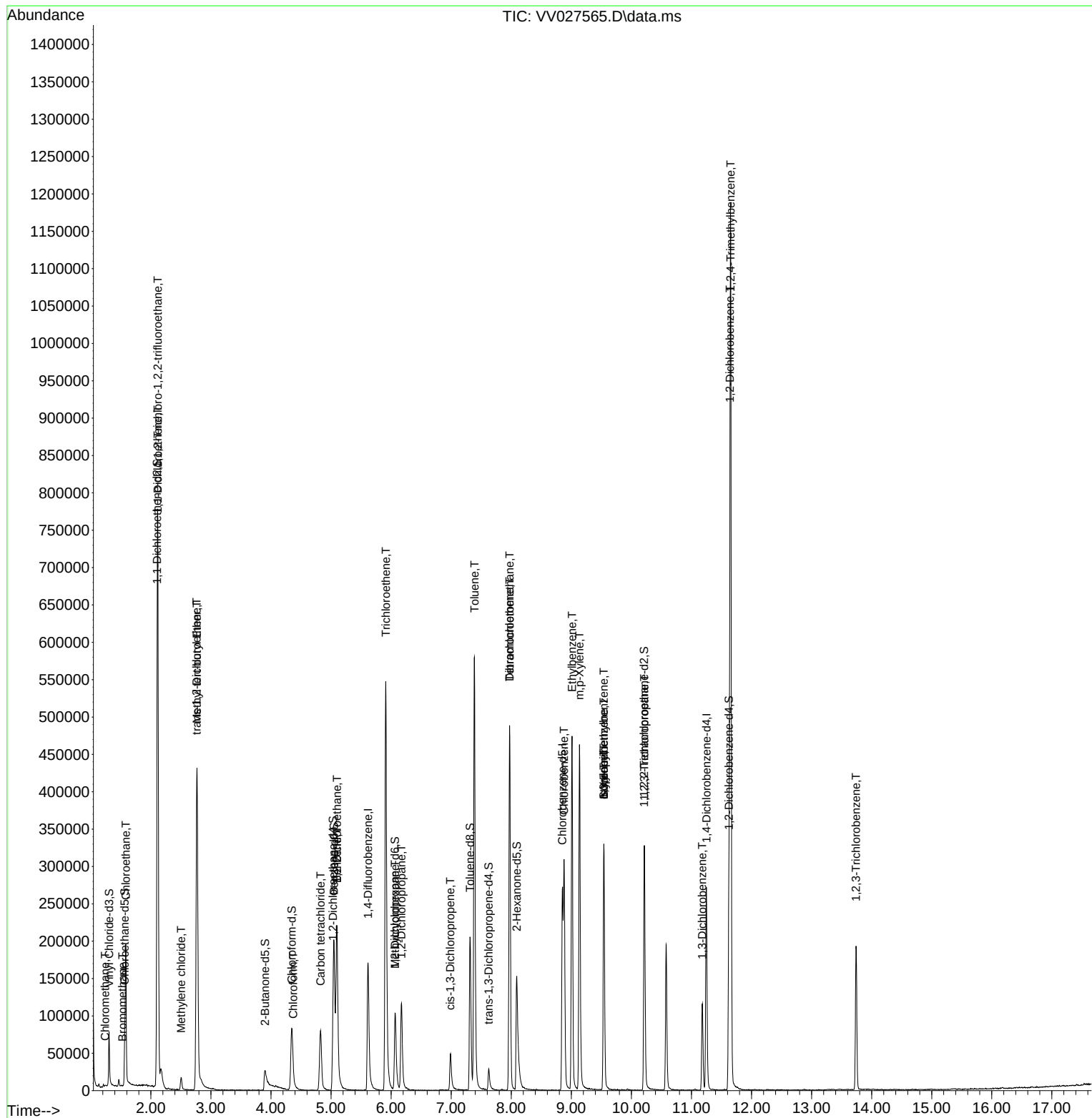
51) Chlorobenzene	8.879	112	161422	5.282	ug/L	99
52) Ethylbenzene	9.011	91	322725	6.696	ug/L	100
53) m,p-Xylene	9.136	106	127287	6.901	ug/L	99
54) o-Xylene	9.542	106	84332	4.714	ug/L	100
55) Styrene	9.542	104	6833	0.225	ug/L #	1
60) Isopropylbenzene	9.542	105	39143	0.842	ug/L #	26
61) 1,2,3-Trichloropropane	10.217	75	8720	1.407	ug/L #	1
62) 1,3,5-Trimethylbenzene	9.542	105	39143	3.036	ug/L #	29
63) 1,2,4-Trimethylbenzene	11.654	105	40304	1.110	ug/L #	37
64) 1,3-Dichlorobenzene	11.181	146	46863	2.046	ug/L	96
67) 1,2-Dichlorobenzene	11.641	146	162760	7.837	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	55396	5.019	ug/L	98

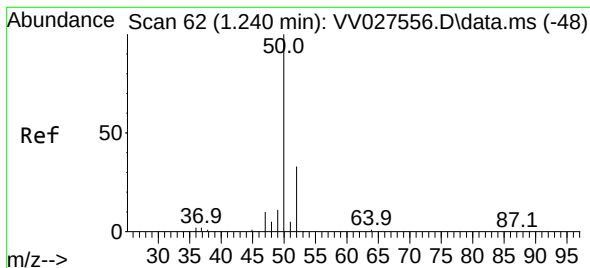
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.070 ug/L

RT: 1.240 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV027565.D

Acq: 29 Aug 2022 16:20

Instrument :

MSVOA_V

ClientSampleId :

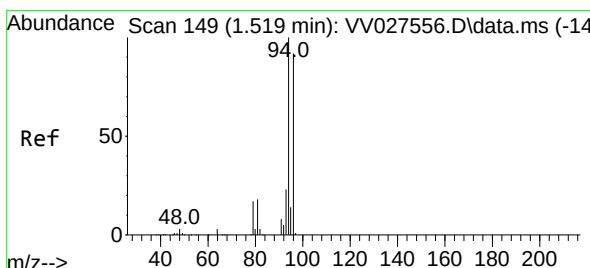
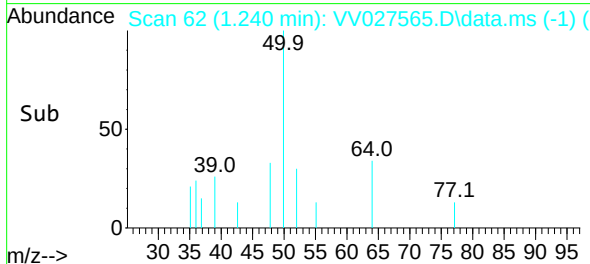
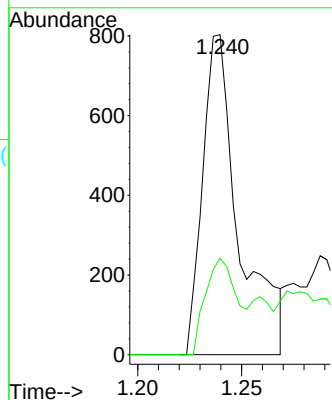
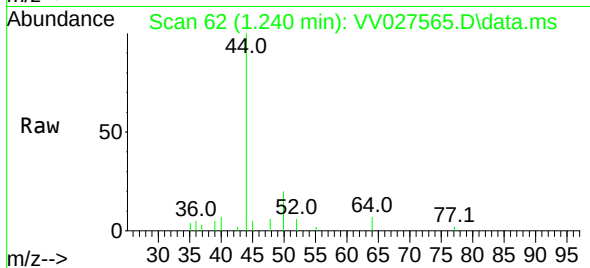
DBUZ2

Tgt Ion: 50 Resp: 975

Ion Ratio Lower Upper

50 100

52 30.1 22.8 42.4



#6

Bromomethane

Concen: 0.059 ug/L

RT: 1.529 min Scan# 152

Delta R.T. 0.010 min

Lab File: VV027565.D

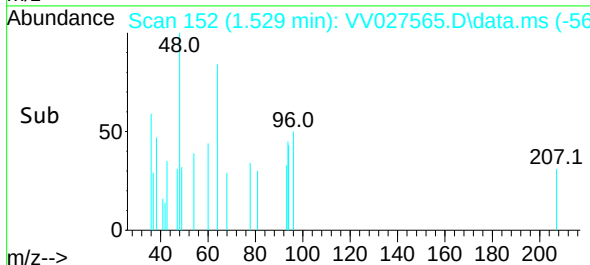
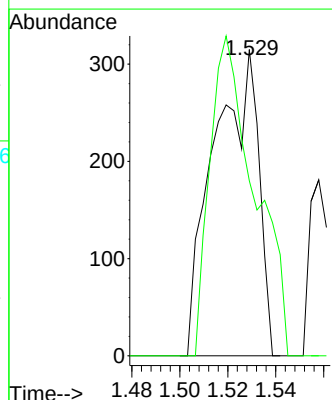
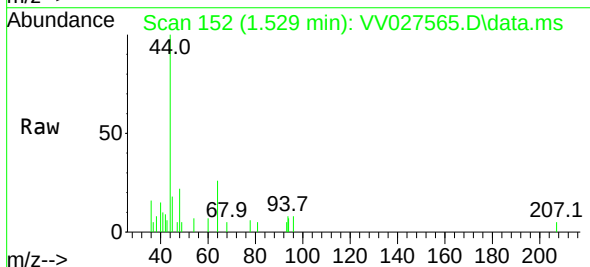
Acq: 29 Aug 2022 16:20

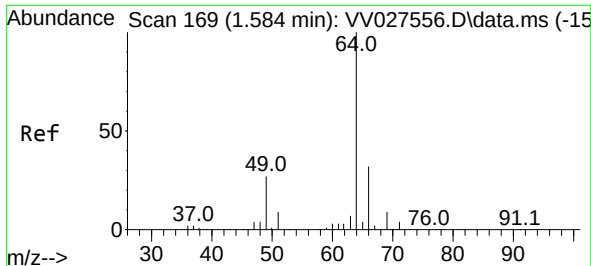
Tgt Ion: 94 Resp: 406

Ion Ratio Lower Upper

94 100

96 57.1 65.2 121.0#

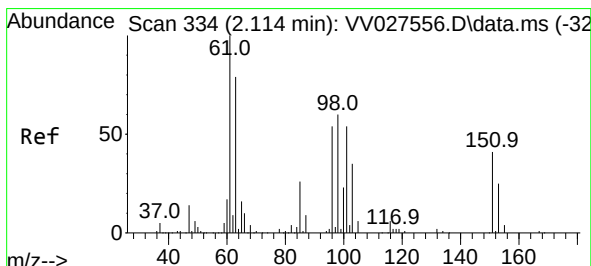
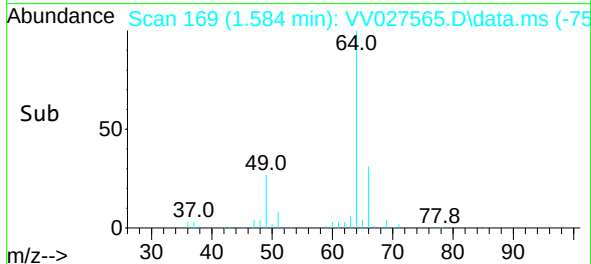
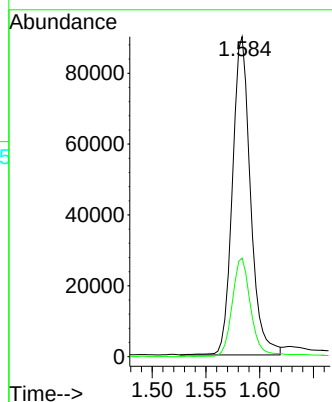
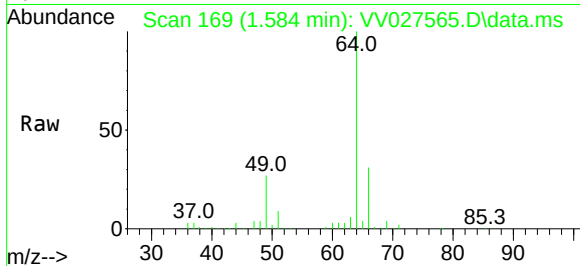




#8
Chloroethane
Concen: 12.819 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

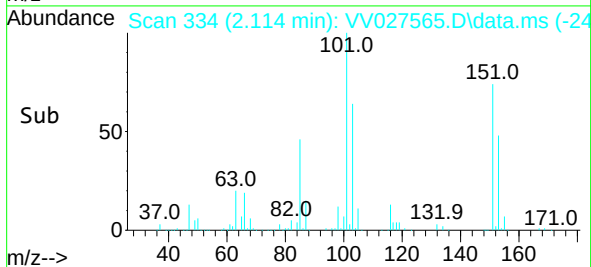
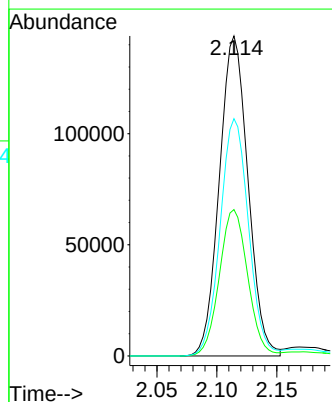
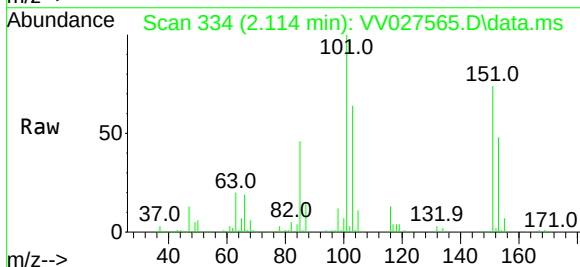
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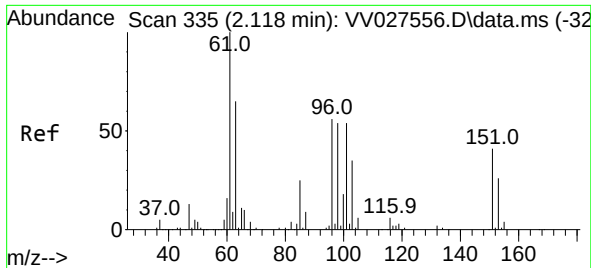
Tgt Ion: 64 Resp: 104915
Ion Ratio Lower Upper
64 100
66 30.8 23.3 43.3



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 19.036 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.003 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

Tgt Ion:101 Resp: 239095
Ion Ratio Lower Upper
101 100
85 45.3 35.3 52.9
151 73.4 55.2 82.8

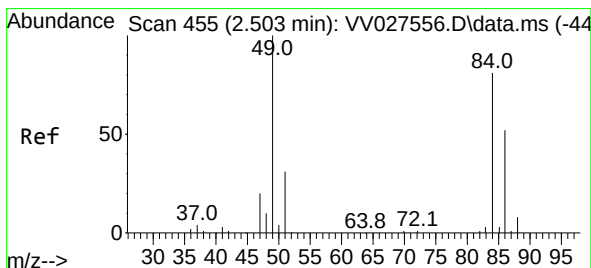
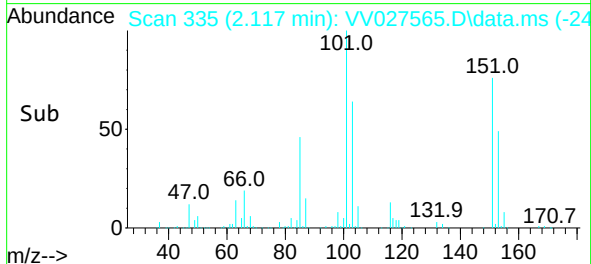
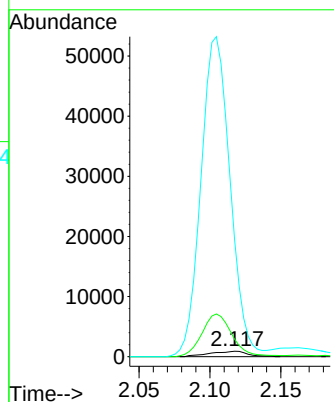
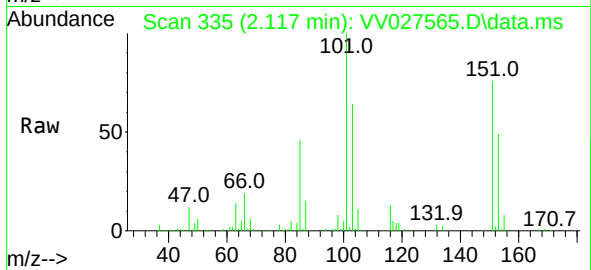




#12
1,1-Dichloroethene
Concen: 0.147 ug/L
RT: 2.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

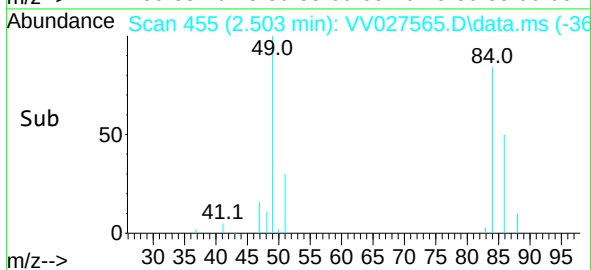
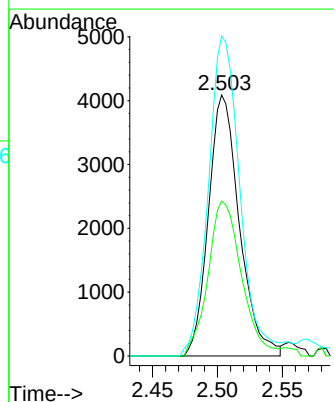
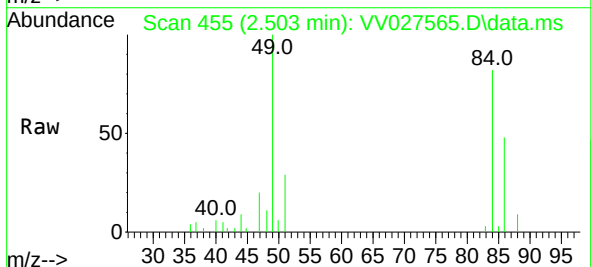
Instrument :
MSVOA_V
ClientSampleId :
DBUZ2

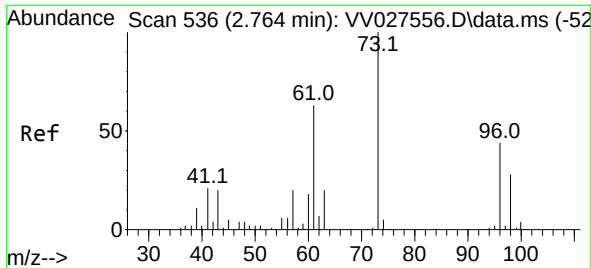
Tgt Ion: 96 Resp: 1670
Ion Ratio Lower Upper
96 100
61 322.4 130.2 241.8#
63 2151.9 87.4 162.4#



#16
Methylene chloride
Concen: 0.396 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

Tgt Ion: 84 Resp: 6778
Ion Ratio Lower Upper
84 100
86 59.4 44.0 81.6
49 122.6 89.4 166.0

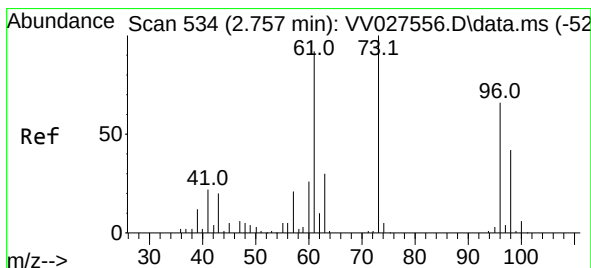
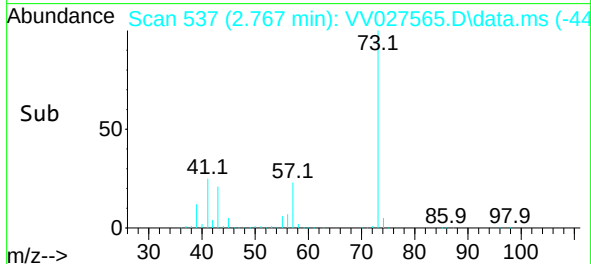
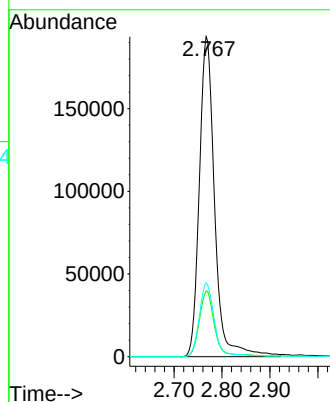
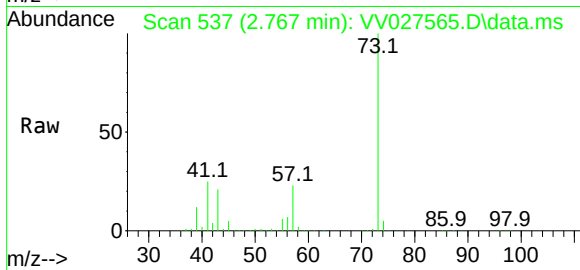




#17
Methyl tert-butyl Ether
Concen: 18.223 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

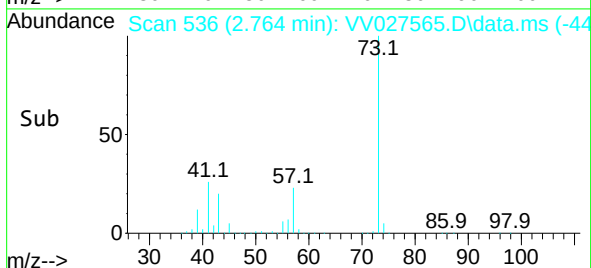
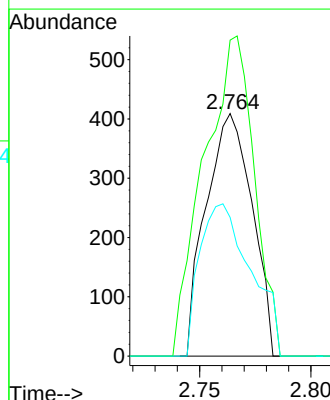
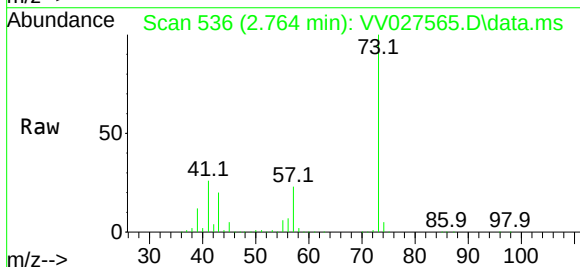
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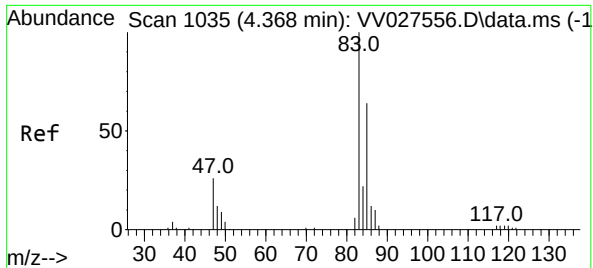
Tgt Ion: 73 Resp: 428312
Ion Ratio Lower Upper
73 100
43 20.0 15.6 23.4
57 22.3 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 0.050 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.010 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

Tgt Ion: 96 Resp: 588
Ion Ratio Lower Upper
96 100
61 130.3 97.6 181.4
98 57.2 45.9 85.3

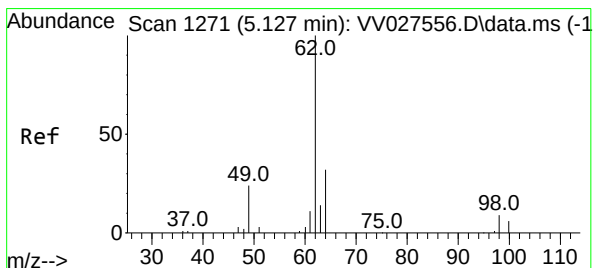
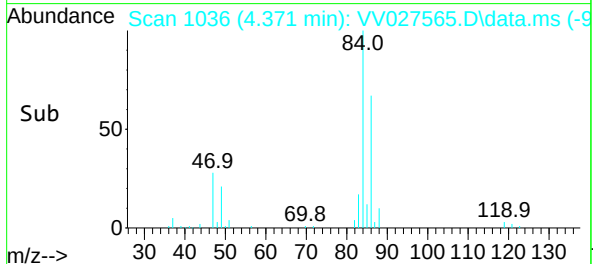
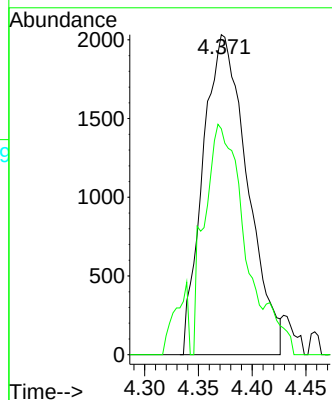
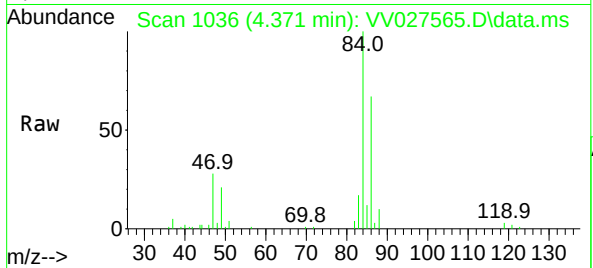




#25
Chloroform
Concen: 0.222 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VV027565.D
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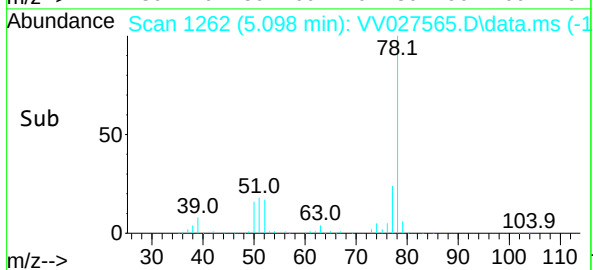
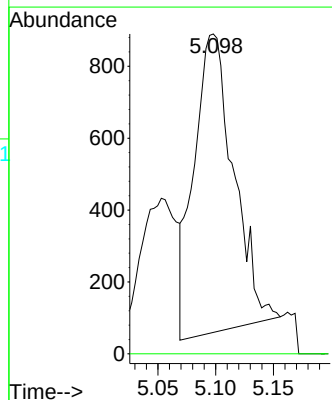
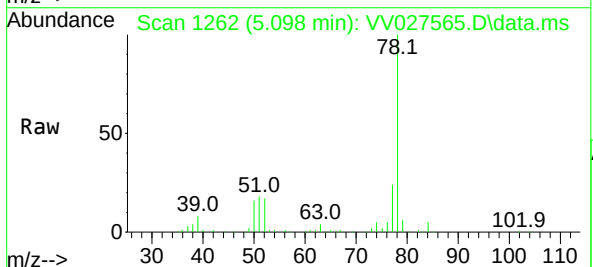
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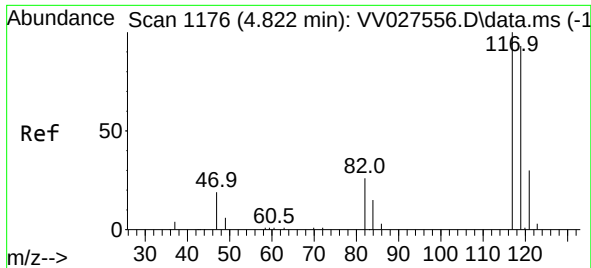
Tgt Ion: 83 Resp: 5853
Ion Ratio Lower Upper
83 100
85 70.6 43.3 80.5



#27
1,2-Dichloroethane
Concen: 0.148 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. -0.026 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

Tgt Ion: 62 Resp: 1979
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#

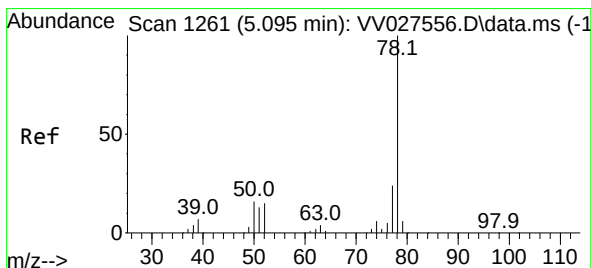
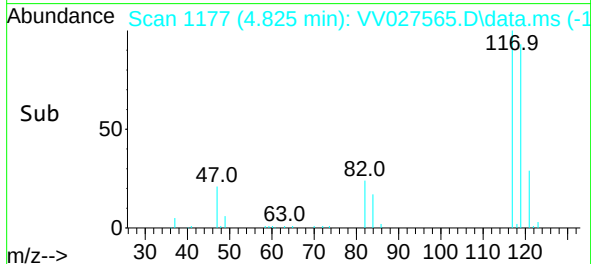
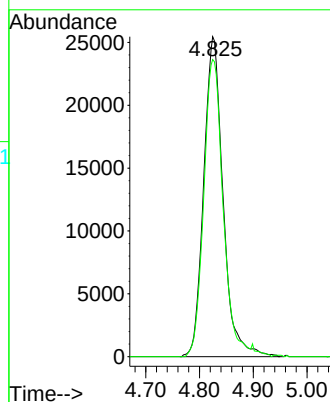
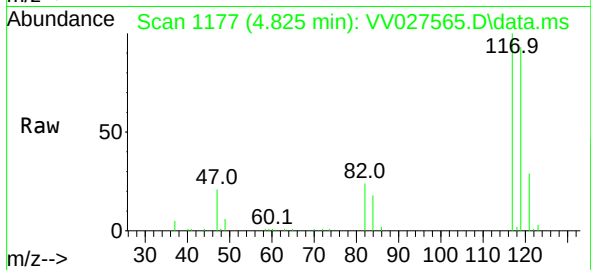




#31
Carbon tetrachloride
Concen: 3.454 ug/L
RT: 4.825 min Scan# 1176
Delta R.T. 0.003 min
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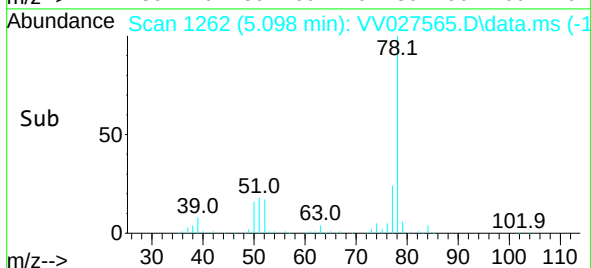
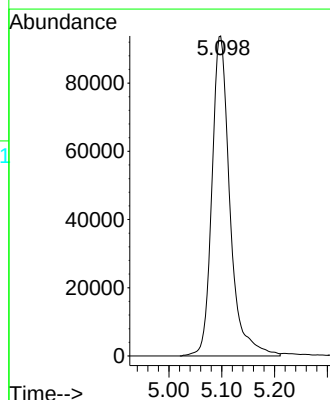
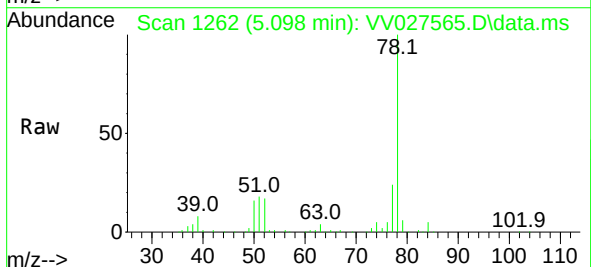
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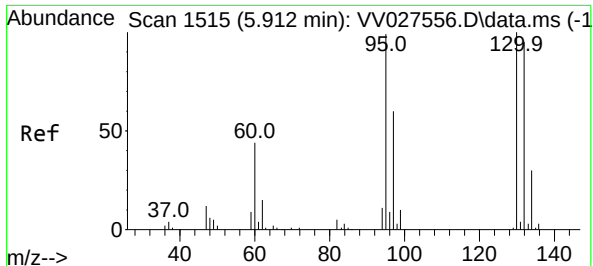
Tgt Ion:117 Resp: 63435
Ion Ratio Lower Upper
117 100
119 93.1 76.1 114.1



#33
Benzene
Concen: 4.859 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

Tgt Ion: 78 Resp: 222284

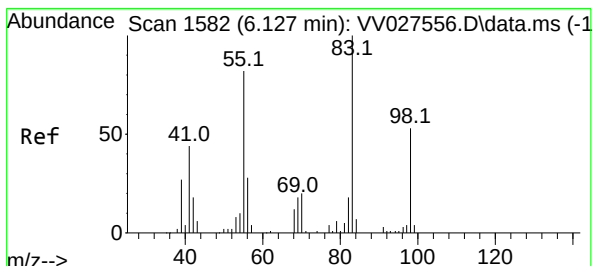
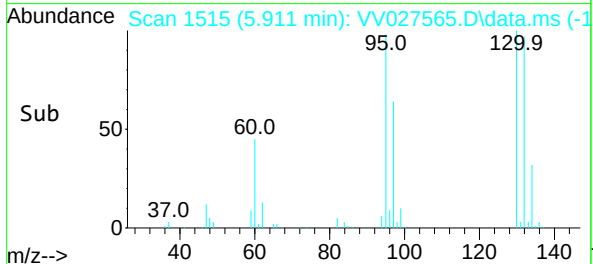
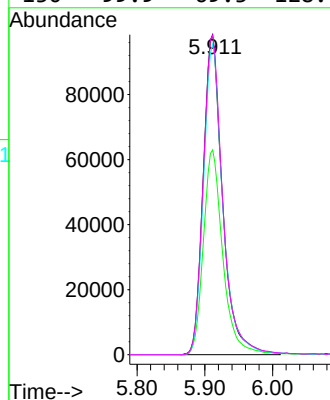
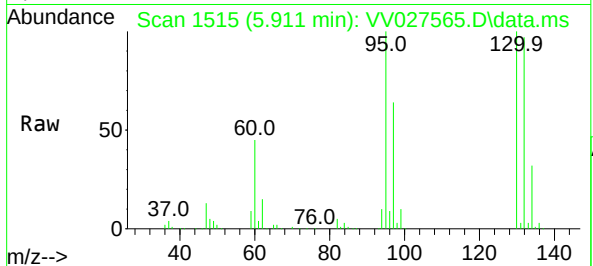




#34
Trichloroethene
Concen: 16.180 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

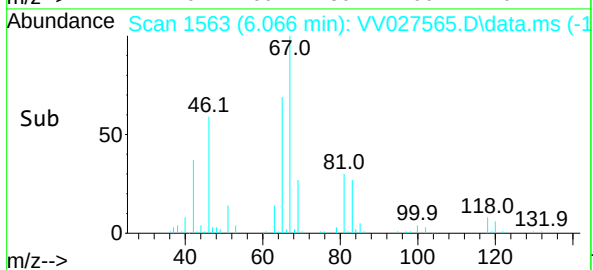
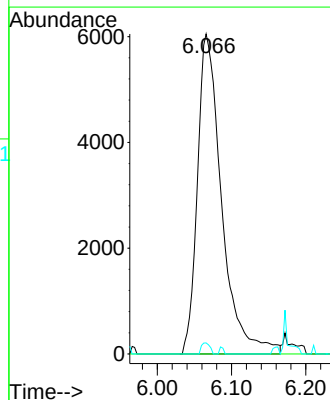
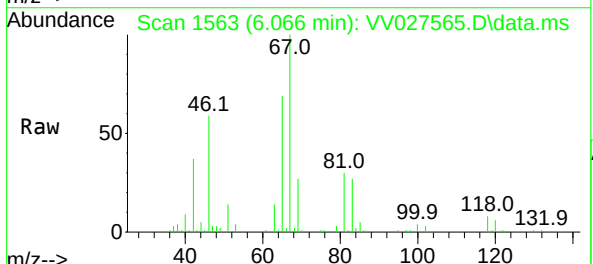
Instrument :
MSVOA_V
ClientSampleId :
DBUZ2

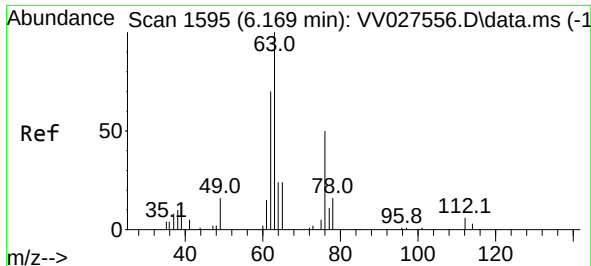
Tgt Ion: 95 Resp: 194786
Ion Ratio Lower Upper
95 100
97 64.0 45.0 83.6
132 97.1 65.7 121.9
130 99.9 69.3 128.7



#35
Methylcyclohexane
Concen: 0.810 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.061 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

Tgt Ion: 83 Resp: 13707
Ion Ratio Lower Upper
83 100
55 0.0 68.2 102.4#
98 1.2 39.0 58.4#

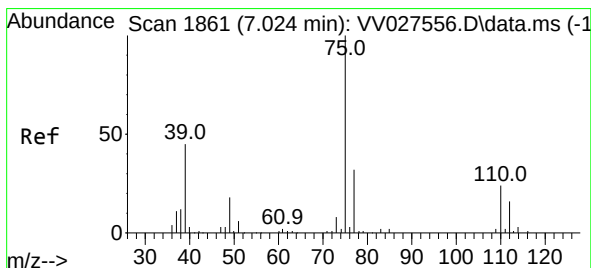
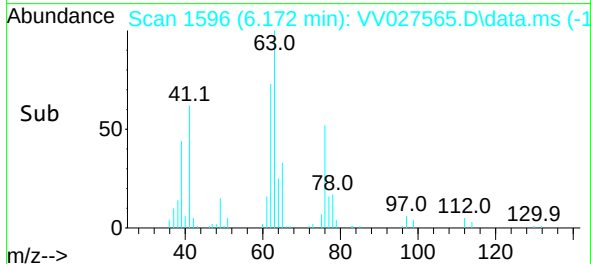
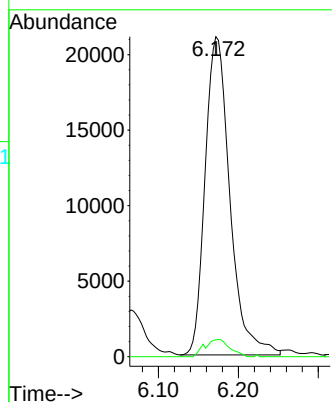
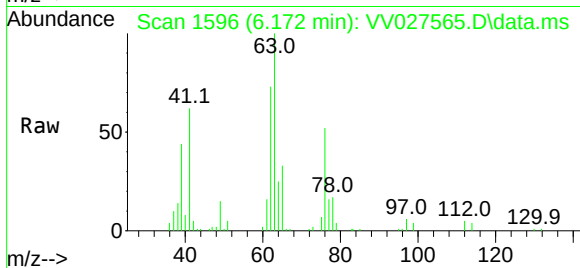




#37
1,2-Dichloropropane
Concen: 3.725 ug/L
RT: 6.172 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

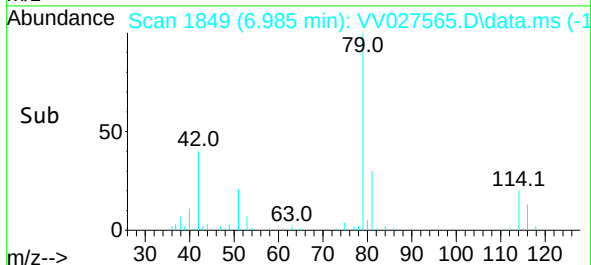
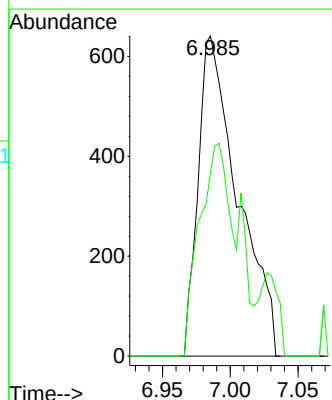
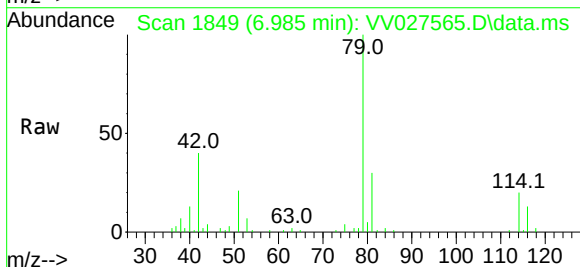
Instrument :
MSVOA_V
ClientSampleId :
DBUZ2

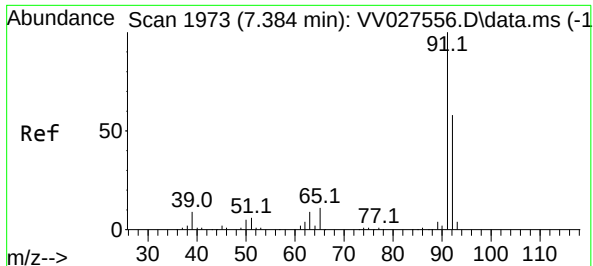
Tgt Ion: 63 Resp: 45429
Ion Ratio Lower Upper
63 100
112 5.4 3.9 5.9



#39
cis-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 6.985 min Scan# 1849
Delta R.T. -0.039 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

Tgt Ion: 75 Resp: 1307
Ion Ratio Lower Upper
75 100
77 57.1 22.9 42.5#

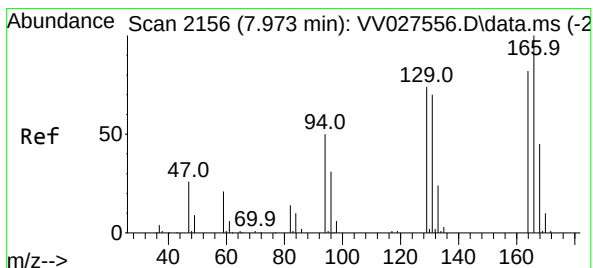
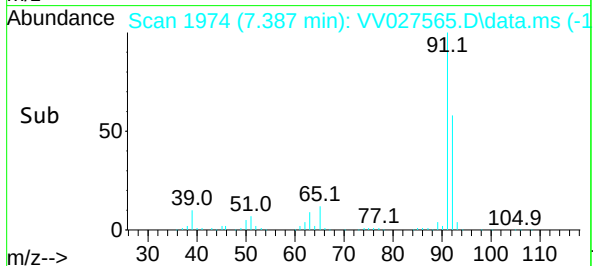
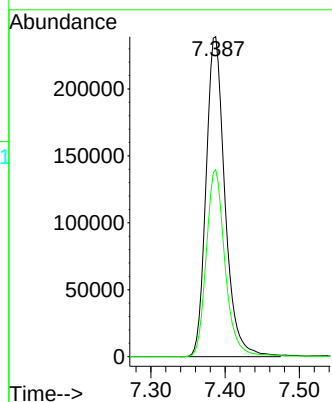
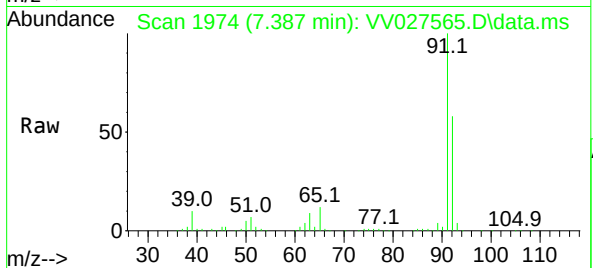




#42
Toluene
Concen: 8.934 ug/L
RT: 7.387 min Scan# 1973
Delta R.T. 0.003 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

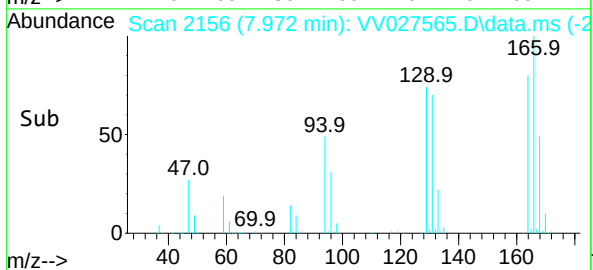
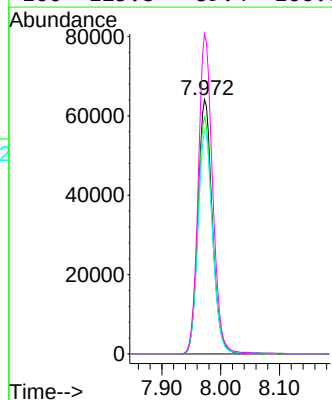
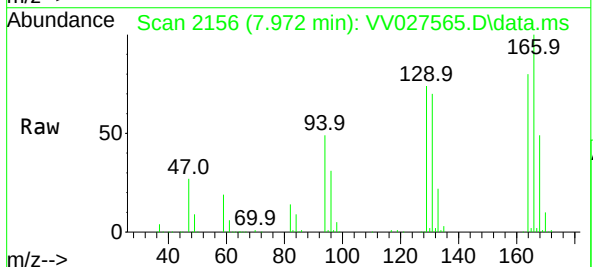
Instrument :
MSVOA_V
ClientSampleId :
DBUZ2

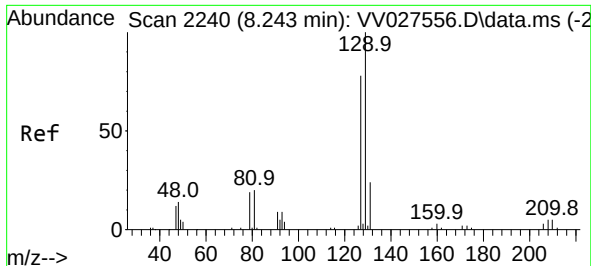
Tgt Ion: 91 Resp: 421854
Ion Ratio Lower Upper
91 100
92 58.5 40.4 75.0



#47
Tetrachloroethene
Concen: 11.541 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

Tgt Ion: 164 Resp: 108237
Ion Ratio Lower Upper
164 100
129 93.1 71.1 132.1
131 87.7 64.5 119.9
166 125.8 89.4 166.0





#49

Dibromochloromethane

Concen: 10.436 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV027565.D

Acq: 29 Aug 2022 16:20

Instrument :

MSVOA_V

ClientSampleId :

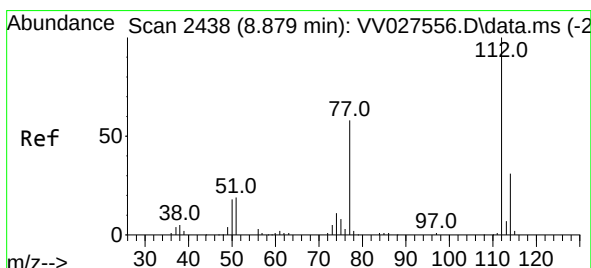
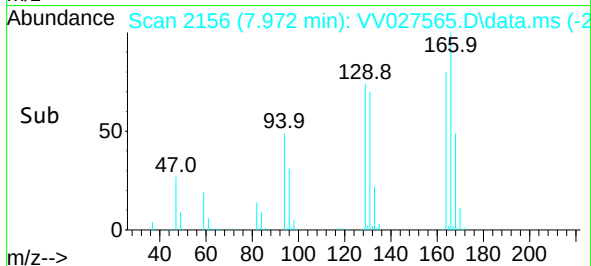
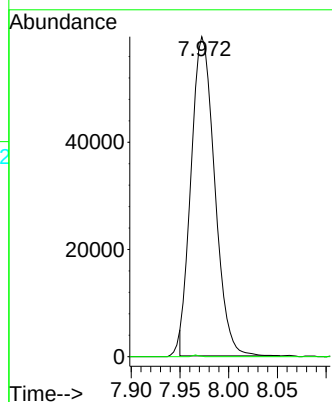
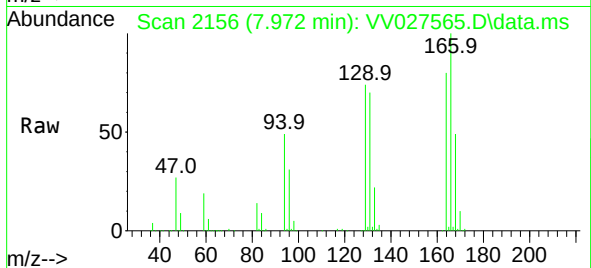
DBUZ2

Tgt Ion:129 Resp: 100071

Ion Ratio Lower Upper

129 100

127 0.2 55.9 103.7#



#51

Chlorobenzene

Concen: 5.282 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.000 min

Lab File: VV027565.D

Acq: 29 Aug 2022 16:20

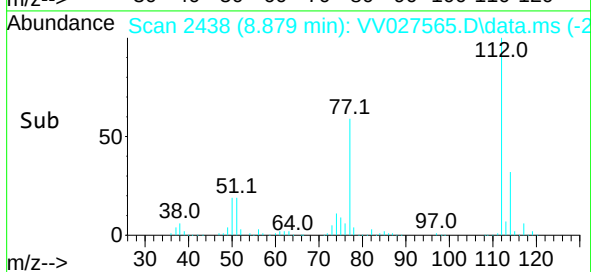
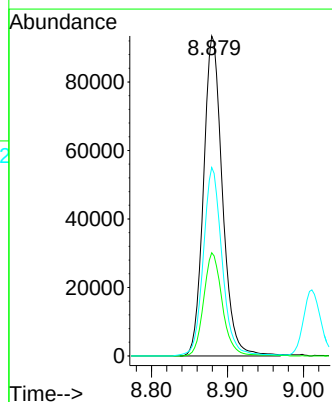
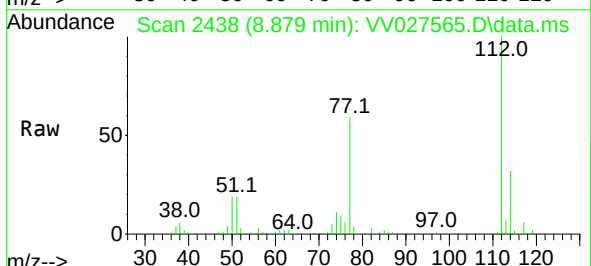
Tgt Ion:112 Resp: 161422

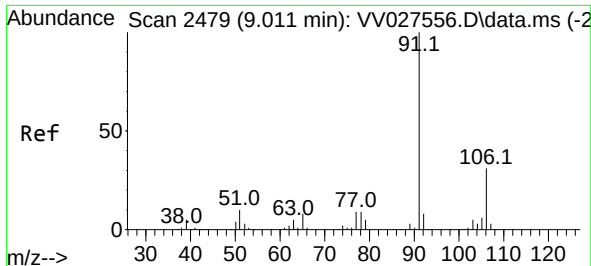
Ion Ratio Lower Upper

112 100

114 32.2 22.7 42.1

77 58.9 46.2 69.4





#52

Ethylbenzene

Concen: 6.696 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV027565.D

Acq: 29 Aug 2022 16:20

Instrument :

MSVOA_V

ClientSampleId :

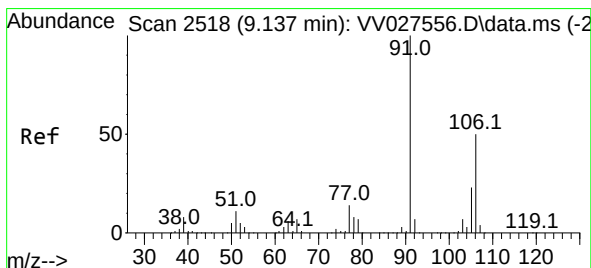
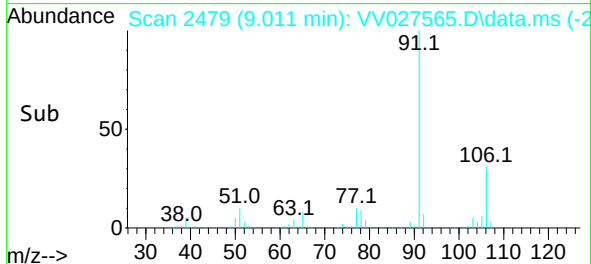
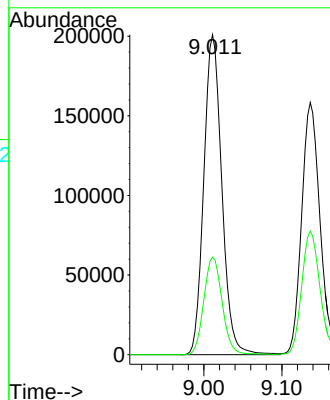
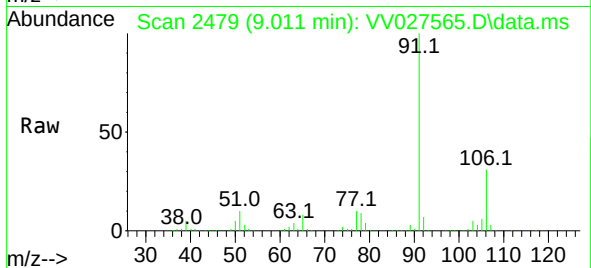
DBU22

Tgt Ion: 91 Resp: 322725

Ion Ratio Lower Upper

91 100

106 30.5 21.4 39.8



#53

m,p-Xylene

Concen: 6.901 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. -0.000 min

Lab File: VV027565.D

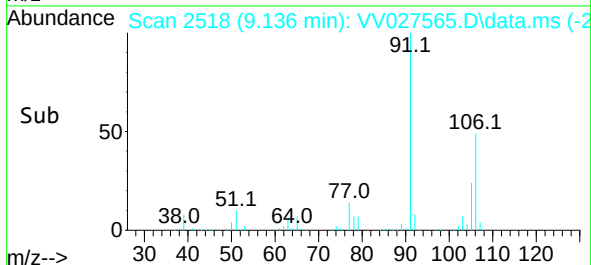
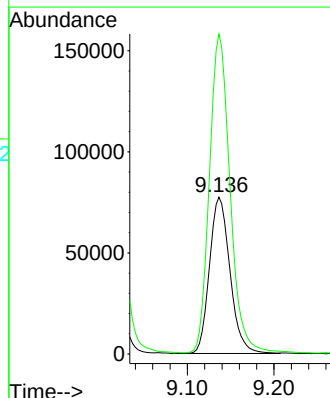
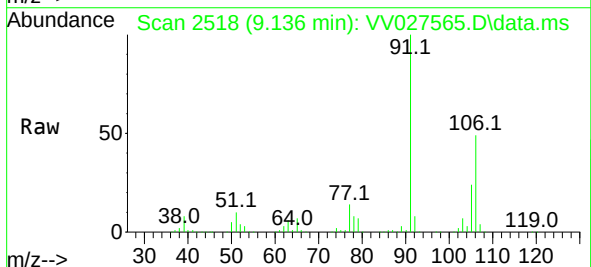
Acq: 29 Aug 2022 16:20

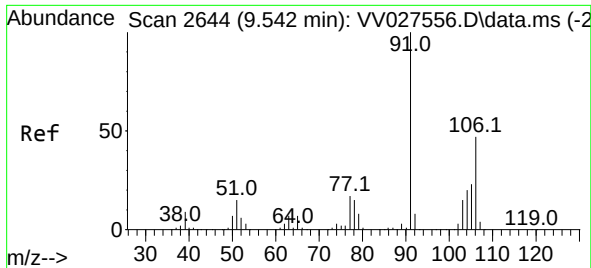
Tgt Ion: 106 Resp: 127287

Ion Ratio Lower Upper

106 100

91 204.1 143.8 267.0

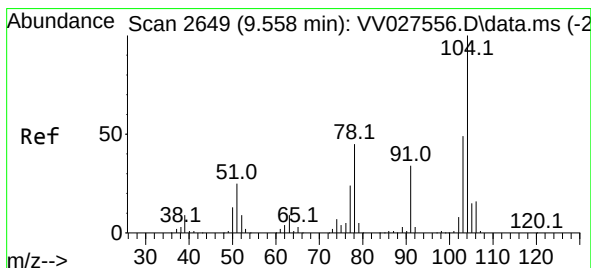
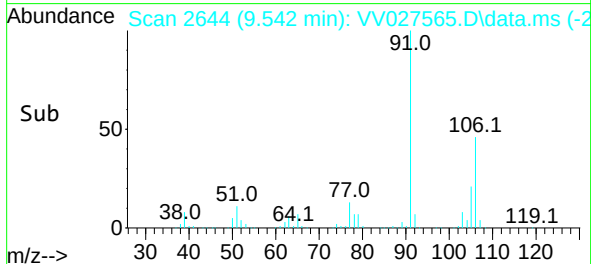
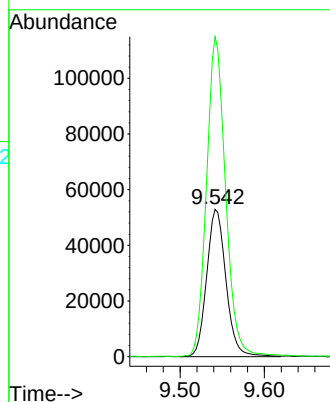
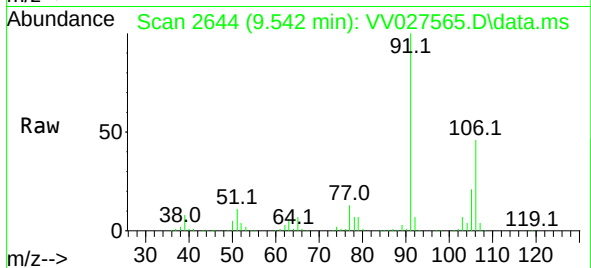




#54
o-Xylene
Concen: 4.714 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

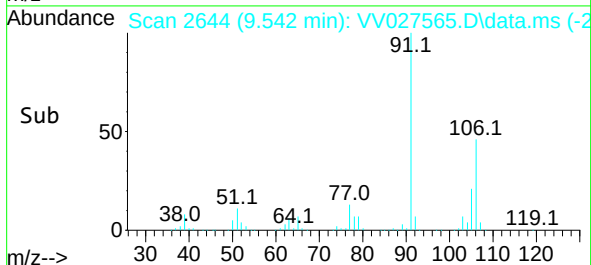
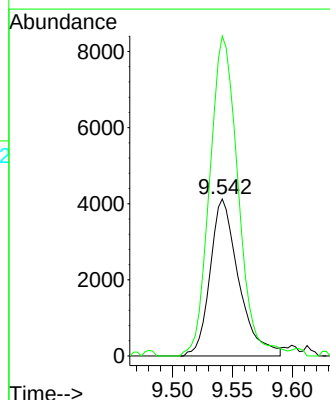
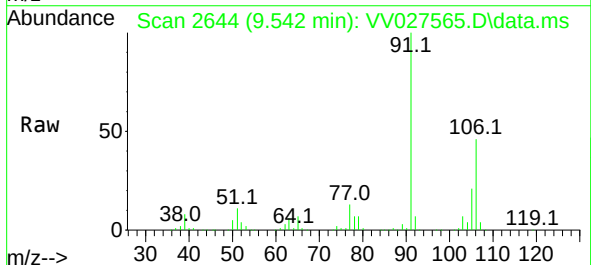
Instrument : MSVOA_V
ClientSampleId : DBU22

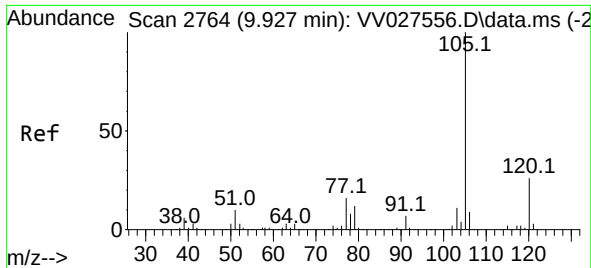
Tgt Ion:106 Resp: 84332
Ion Ratio Lower Upper
106 100
91 217.1 151.6 281.6



#55
Styrene
Concen: 0.225 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.016 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

Tgt Ion:104 Resp: 6833
Ion Ratio Lower Upper
104 100
78 203.9 32.0 59.4#

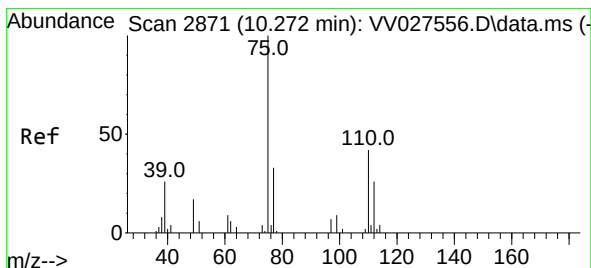
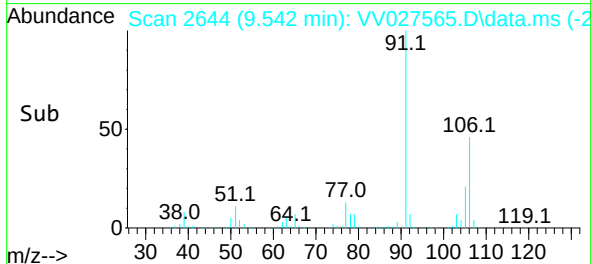
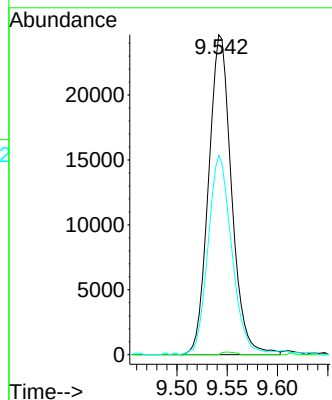
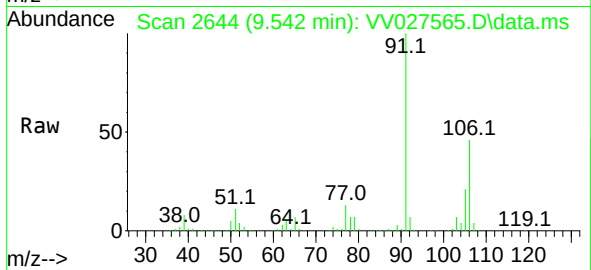




#60
Isopropylbenzene
Concen: 0.842 ug/L
RT: 9.542 min Scan# 2143
Delta R.T. -0.386 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

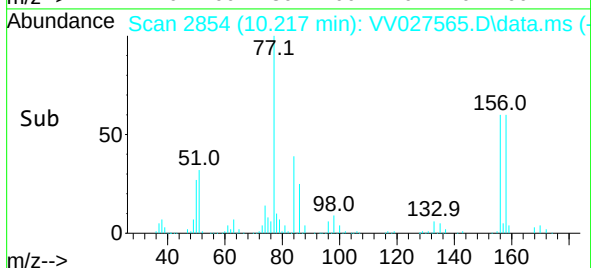
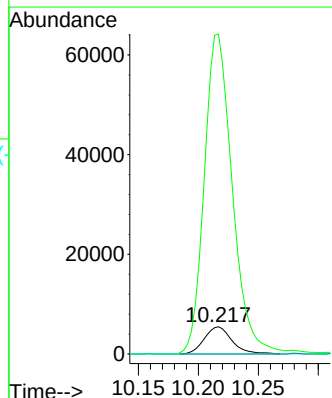
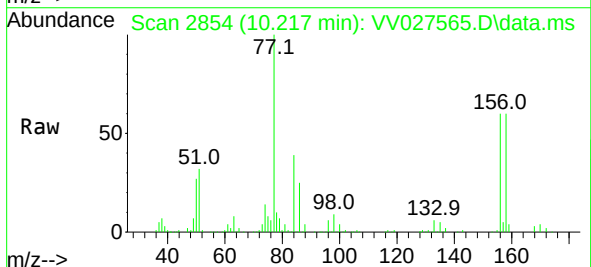
Instrument :
MSVOA_V
ClientSampleId :
DBUZ2

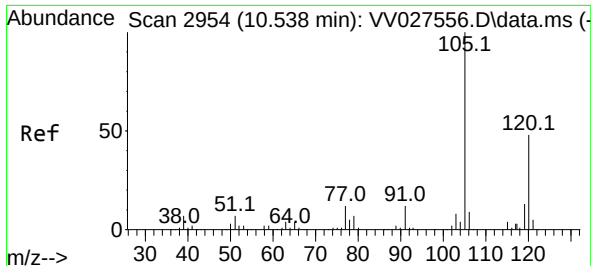
Tgt Ion:105 Resp: 39143
Ion Ratio Lower Upper
105 100
120 0.5 20.9 31.3#
77 64.0 13.0 19.6#



#61
1,2,3-Trichloropropane
Concen: 1.407 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.055 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

Tgt Ion: 75 Resp: 8720
Ion Ratio Lower Upper
75 100
77 1198.5 26.2 39.2#
110 0.0 29.9 44.9#





#62

1,3,5-Trimethylbenzene

Concen: 3.036 ug/L

RT: 9.542 min Scan# 2

Delta R.T. -0.994 min

Lab File: VV027565.D

Acq: 29 Aug 2022 16:20

Instrument :

MSVOA_V

ClientSampleId :

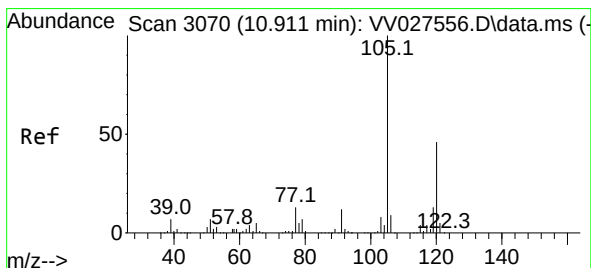
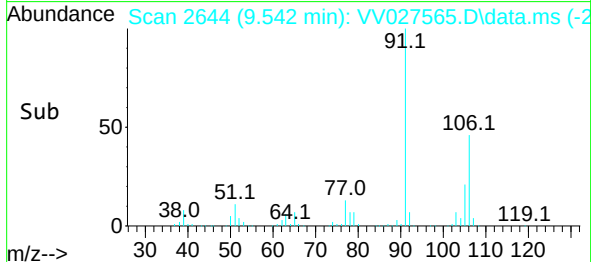
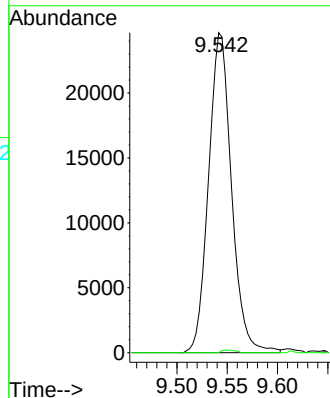
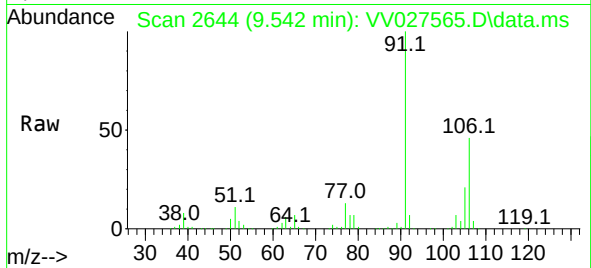
DBUZ2

Tgt Ion:105 Resp: 39143

Ion Ratio Lower Upper

105 100

120 0.5 38.7 58.1#



#63

1,2,4-Trimethylbenzene

Concen: 1.110 ug/L

RT: 11.654 min Scan# 3301

Delta R.T. 0.743 min

Lab File: VV027565.D

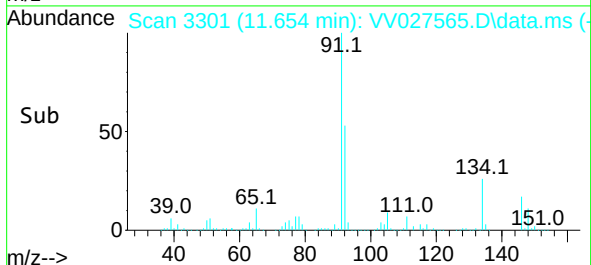
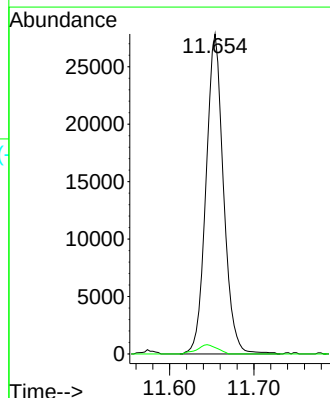
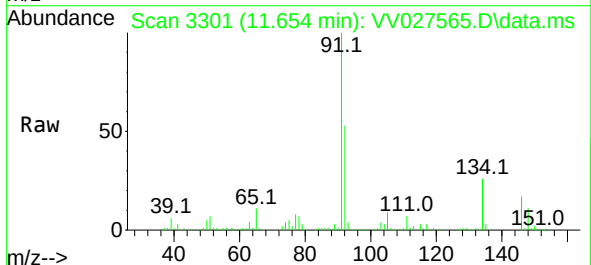
Acq: 29 Aug 2022 16:20

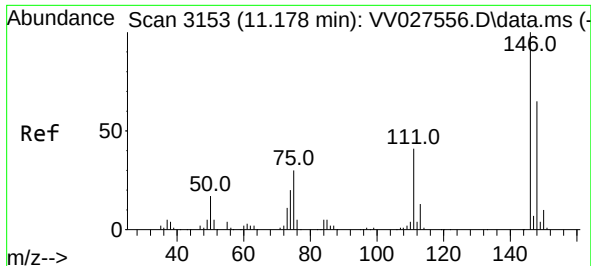
Tgt Ion:105 Resp: 40304

Ion Ratio Lower Upper

105 100

120 3.3 35.8 53.6#

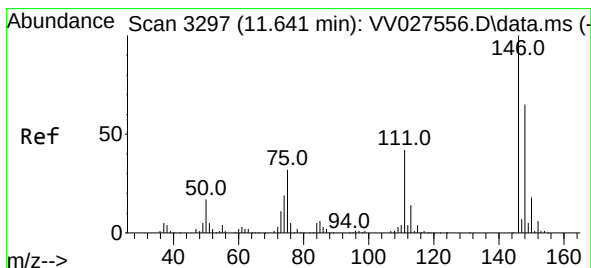
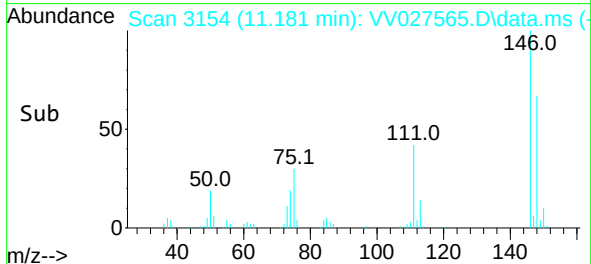
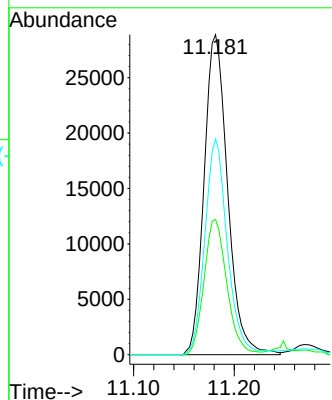
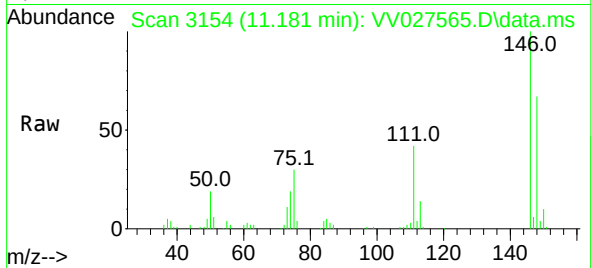




#64
1,3-Dichlorobenzene
Concen: 2.046 ug/L
RT: 11.181 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

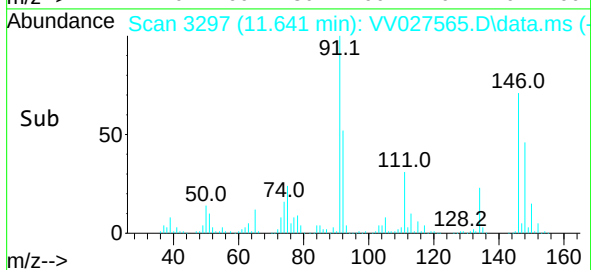
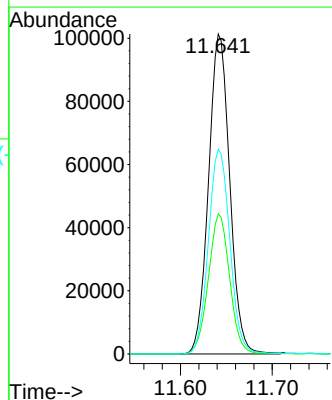
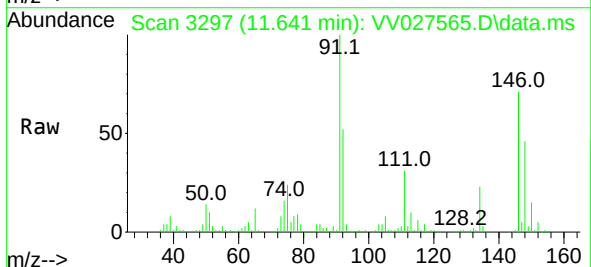
Instrument :
MSVOA_V
ClientSampleId :
DBUZ2

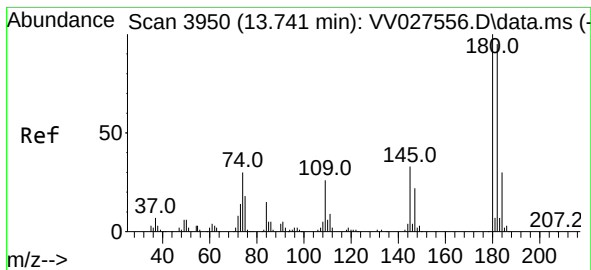
Tgt Ion:146 Resp: 46863
Ion Ratio Lower Upper
146 100
111 42.3 28.8 53.4
148 67.5 44.0 81.6



#67
1,2-Dichlorobenzene
Concen: 7.837 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.000 min
Lab File: VV027565.D
Acq: 29 Aug 2022 16:20

Tgt Ion:146 Resp: 162760
Ion Ratio Lower Upper
146 100
111 43.8 34.5 51.7
148 64.0 50.6 76.0





#72

1,2,3-Trichlorobenzene

Concen: 5.019 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.000 min

Lab File: VV027565.D

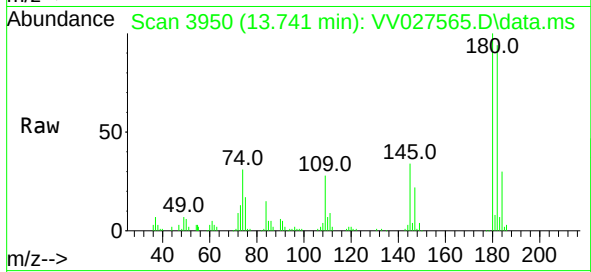
Acq: 29 Aug 2022 16:20

Instrument :

MSVOA_V

ClientSampleId :

DBUZ2



Tgt Ion:180 Resp: 55396

Ion Ratio Lower Upper

180 100

182 96.5 75.3 112.9

145 34.1 26.6 39.8

