

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071422\
 Data File : VW026782.D
 Acq On : 14 Jul 2022 17:07
 Operator : SY/MD
 Sample : N3704-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AQ1

Quant Time: Jul 15 06:44:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 15 06:40:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	241549	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	248268	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	104286	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	67713	3.073	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.400%
7) Chloroethane-d5	1.561	69	69112	3.630	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.600%
11) 1,1-Dichloroethene-d2	2.101	63	97288	2.300	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	46.000%#
20) 2-Butanone-d5	3.892	46	151653	44.095	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.180%
24) Chloroform-d	4.346	84	189501	4.918	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.030	65	72240	4.292	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
32) Benzene-d6	5.047	84	267007	3.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.800%
36) 1,2-Dichloropropane-d6	6.066	67	94152	4.162	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.317	98	190505	2.845	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	56.800%#
43) trans-1,3-Dichloroprop...	7.625	79	24904	3.365	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.400%
46) 2-Hexanone-d5	8.088	63	138020	43.077	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.160%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	77049	4.373	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	76911	4.233	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	1448	0.049	ug/L #	80
5) Vinyl chloride	1.304	62	1779	0.059	ug/L #	1
6) Bromomethane	1.516	94	1208	0.067	ug/L	93
8) Chloroethane	1.523	64	33697	1.906	ug/L #	48
13) Acetone	2.175	43	12620	4.361	ug/L #	25
14) Carbon disulfide	2.288	76	4920	0.079	ug/L	98
17) Methyl tert-butyl Ether	2.770	73	2052	0.056	ug/L #	76
22) cis-1,2-Dichloroethene	3.905	96	12929	0.659	ug/L	95
25) Chloroform	4.368	83	732283	19.669	ug/L	99
27) 1,2-Dichloroethane	5.043	62	1328	0.066	ug/L #	59
31) Carbon tetrachloride	4.821	117	1824	0.062	ug/L	87
34) Trichloroethene	5.921	95	5572	0.273	ug/L	93
35) Methylcyclohexane	6.066	83	23282	0.748	ug/L #	19
37) 1,2-Dichloropropane	6.069	63	9847	0.496	ug/L #	87
38) Bromodichloromethane	6.506	83	159250	6.155	ug/L	99
40) 4-Methyl-2-pentanone	7.249	43	5913	0.645	ug/L #	46
42) Toluene	7.390	91	69678	0.831	ug/L	98
47) Tetrachloroethene	7.972	164	53647	3.353	ug/L	98
49) Dibromochloromethane	8.243	129	68851	4.118	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jul 15 06:40:32 2022
Response via : Initial Calibration

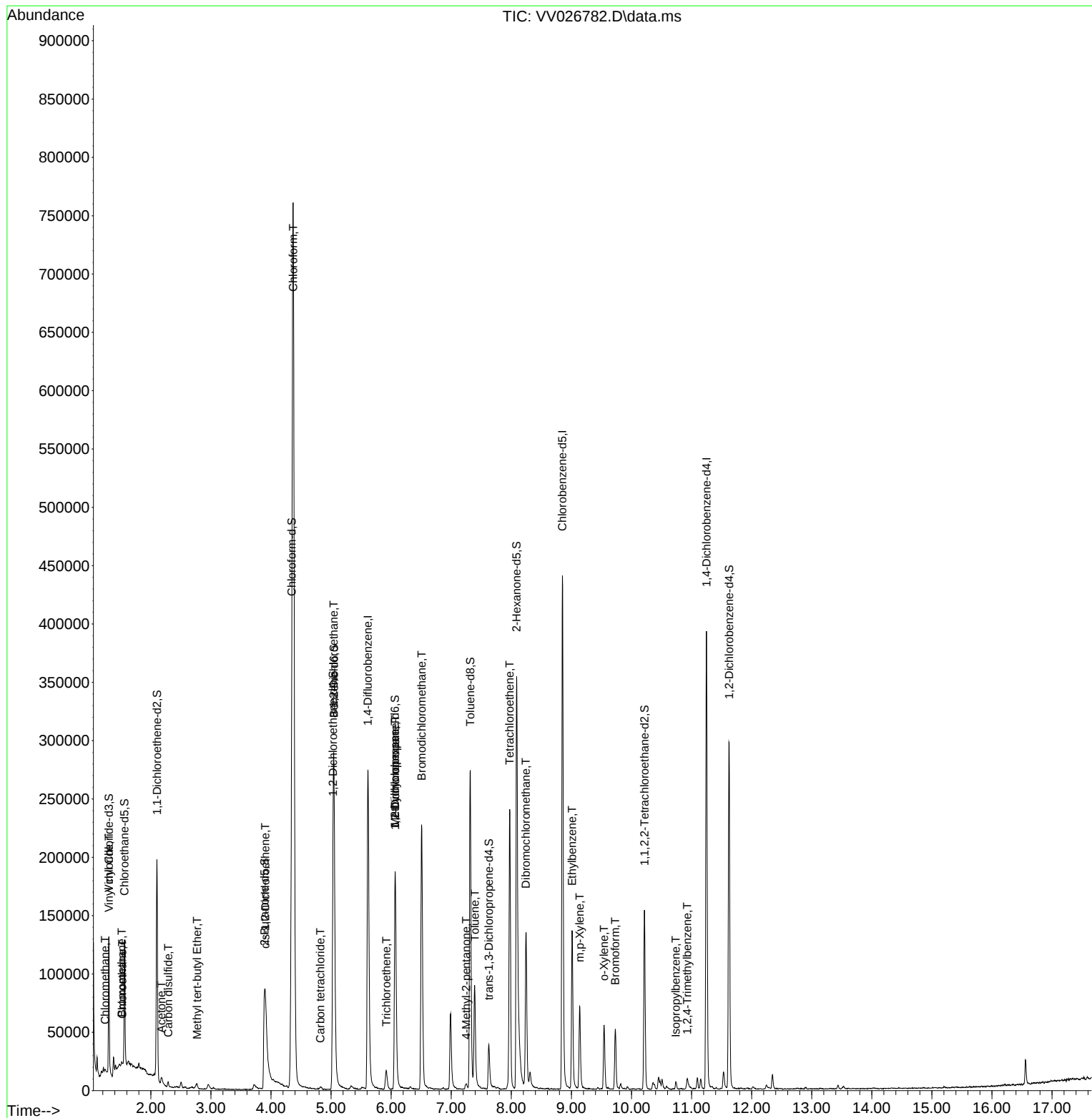
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.011	91	95454	1.151	ug/L	99
53) m,p-Xylene	9.136	106	21163	0.656	ug/L	94
54) o-Xylene	9.545	106	14305	0.467	ug/L	95
59) Bromoform	9.731	173	22872	3.418	ug/L	99
60) Isopropylbenzene	10.738	105	3685	0.057	ug/L	93
63) 1,2,4-Trimethylbenzene	10.927	105	5945	0.113	ug/L #	56

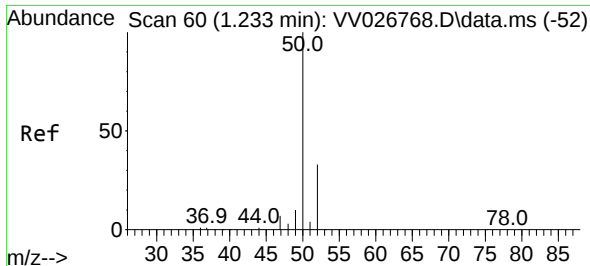
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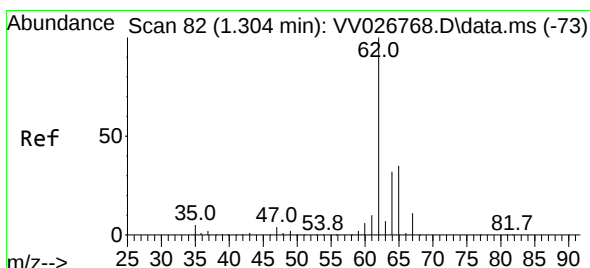
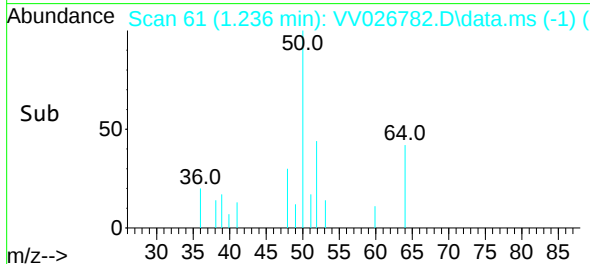
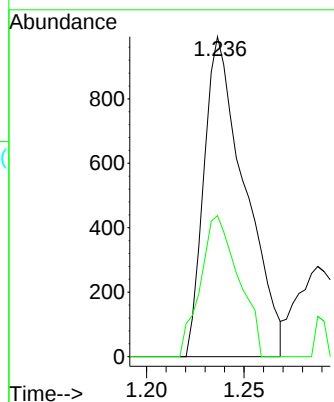
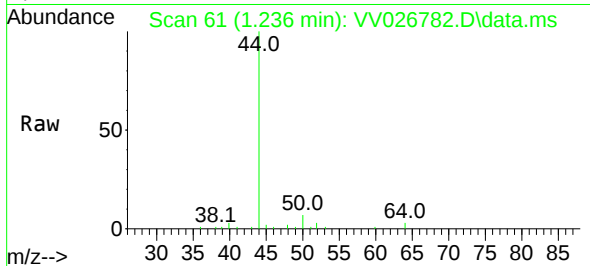




#3
Chloromethane
Concen: 0.049 ug/L
RT: 1.236 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

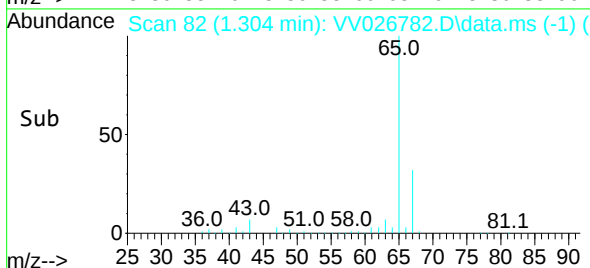
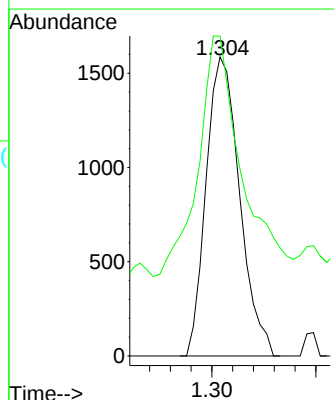
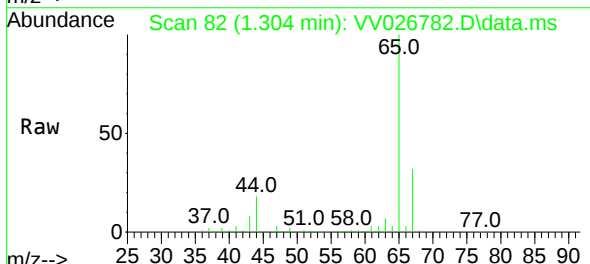
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

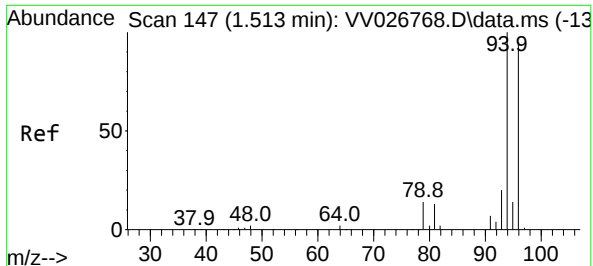
Tgt Ion: 50 Resp: 1448
Ion Ratio Lower Upper
50 100
52 44.1 22.8 42.4#



#5
Vinyl chloride
Concen: 0.059 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.000 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

Tgt Ion: 62 Resp: 1779
Ion Ratio Lower Upper
62 100
64 106.9 22.9 42.5#

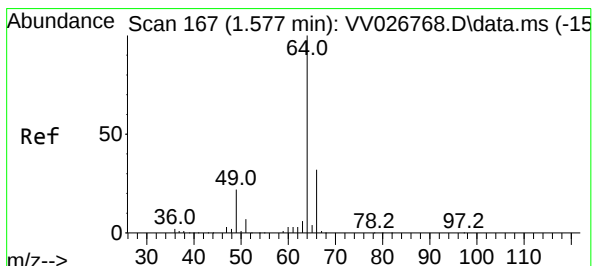
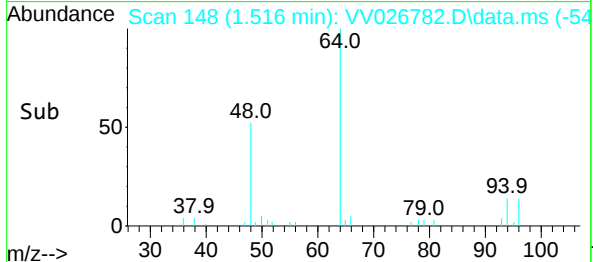
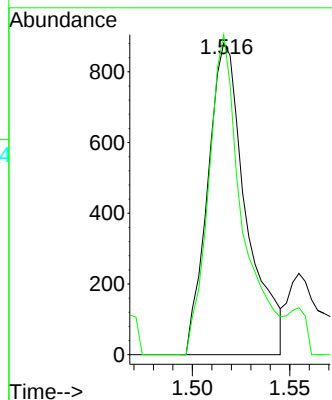
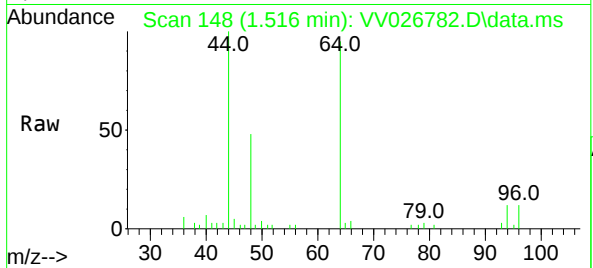




#6
Bromomethane
Concen: 0.067 ug/L
RT: 1.516 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

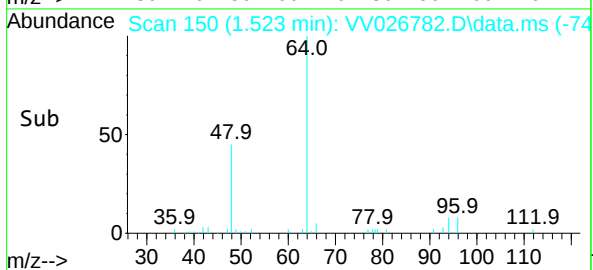
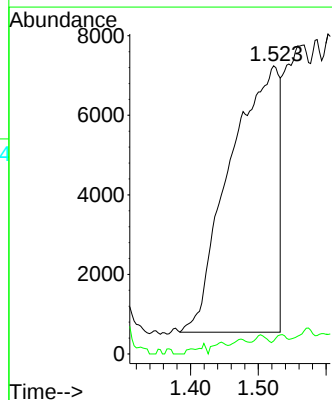
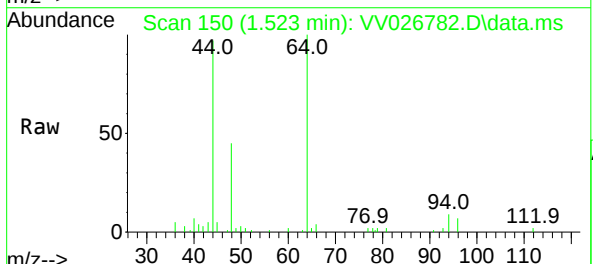
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

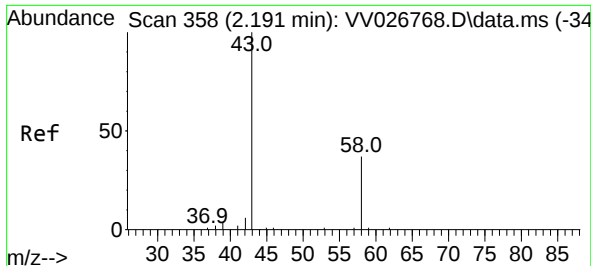
Tgt Ion: 94 Resp: 1208
Ion Ratio Lower Upper
94 100
96 102.7 67.1 124.7



#8
Chloroethane
Concen: 1.906 ug/L
RT: 1.523 min Scan# 150
Delta R.T. -0.055 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

Tgt Ion: 64 Resp: 33697
Ion Ratio Lower Upper
64 100
66 4.5 23.9 44.5#





#13

Acetone

Concen: 4.361 ug/L

RT: 2.175 min Scan# 31

Delta R.T. -0.016 min

Lab File: VV026782.D

Acq: 14 Jul 2022 17:07

Instrument :

MSVOA_V

ClientSampleId :

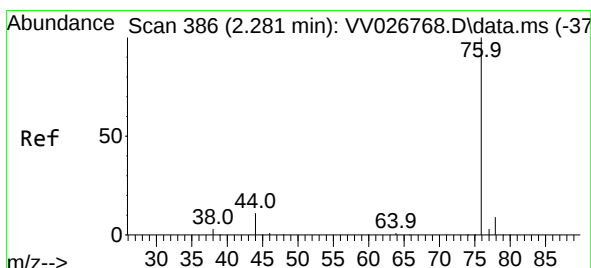
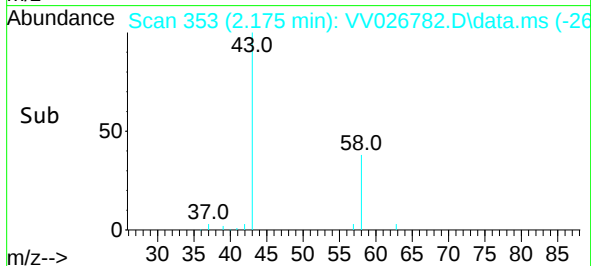
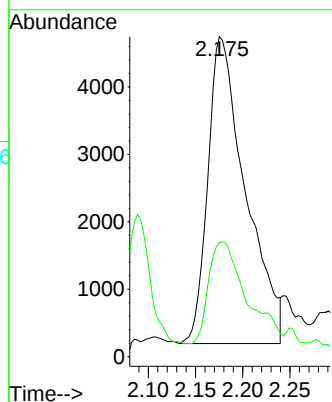
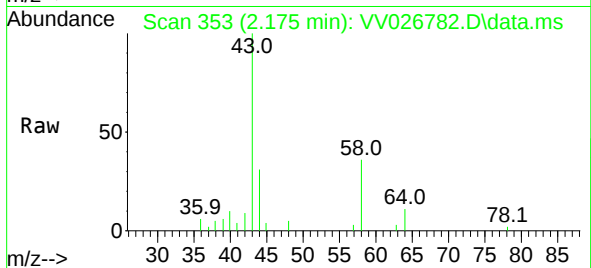
C0AQ1

Tgt Ion: 43 Resp: 12620

Ion Ratio Lower Upper

43 100

58 38.5 0.0 20.6#



#14

Carbon disulfide

Concen: 0.079 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.006 min

Lab File: VV026782.D

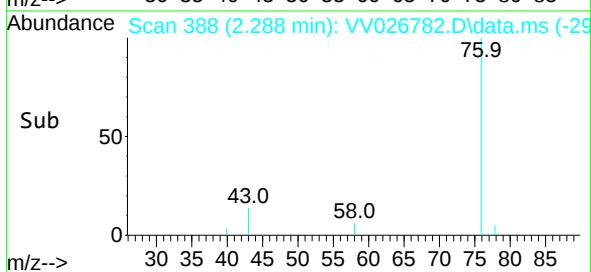
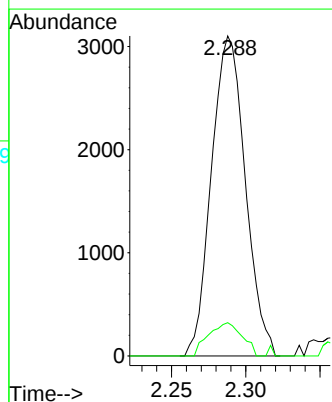
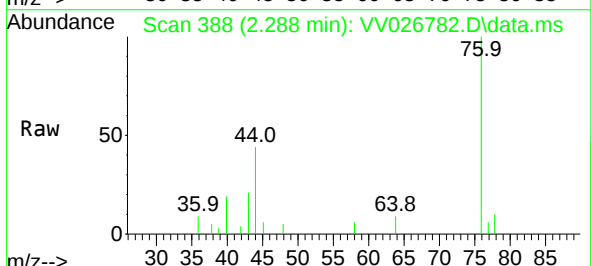
Acq: 14 Jul 2022 17:07

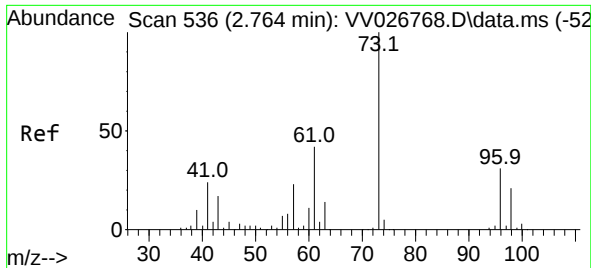
Tgt Ion: 76 Resp: 4920

Ion Ratio Lower Upper

76 100

78 10.4 7.7 11.5

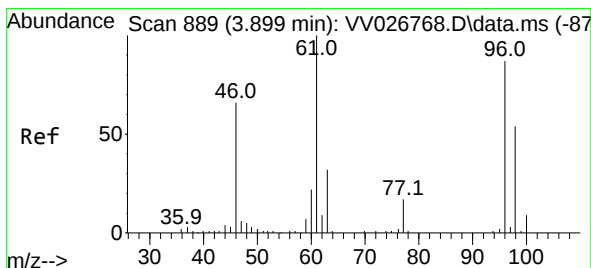
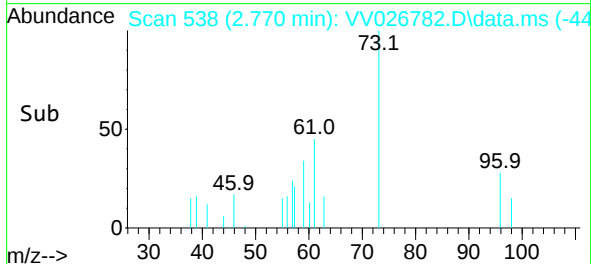
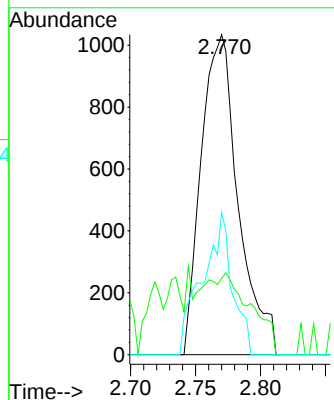
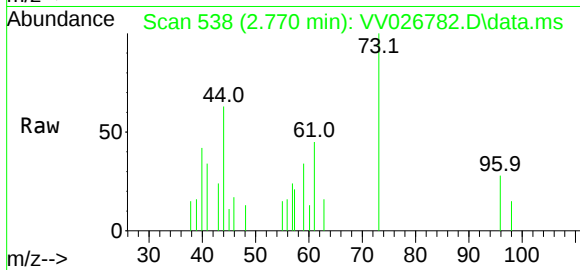




#17
Methyl tert-butyl Ether
Concen: 0.056 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

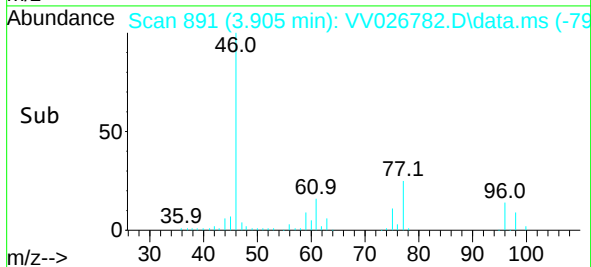
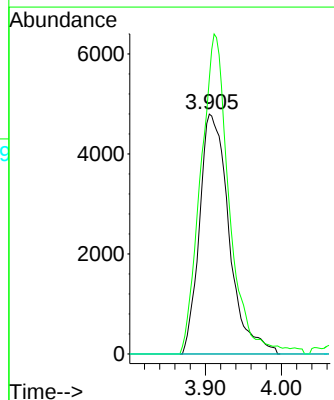
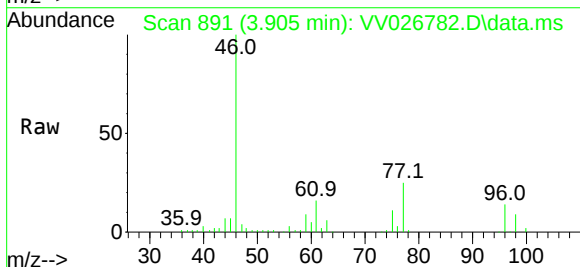
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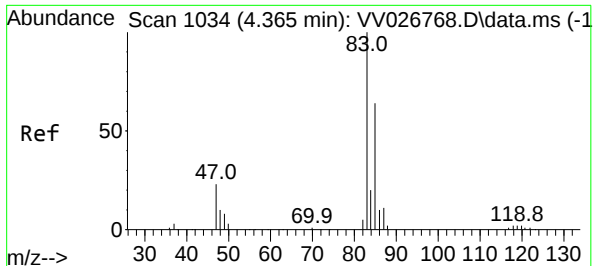
Tgt Ion: 73 Resp: 2052
Ion Ratio Lower Upper
73 100
43 9.6 14.0 21.0#
57 36.0 17.6 26.4#



#22
cis-1,2-Dichloroethene
Concen: 0.659 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.006 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

Tgt Ion: 96 Resp: 12929
Ion Ratio Lower Upper
96 100
61 114.8 83.9 155.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 19.669 ug/L

RT: 4.368 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV026782.D

Acq: 14 Jul 2022 17:07

Instrument :

MSVOA_V

ClientSampleId :

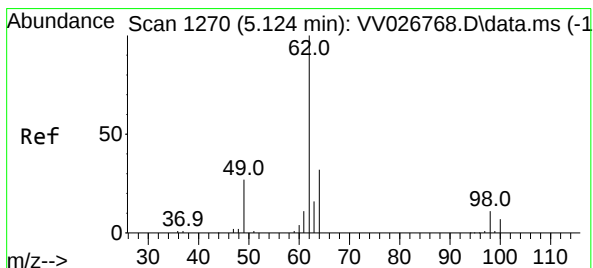
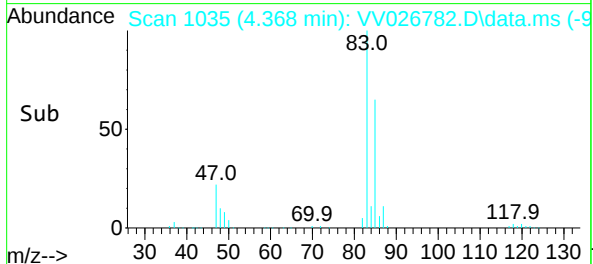
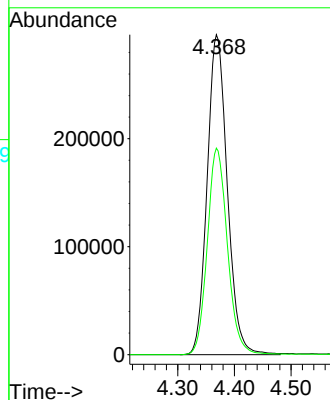
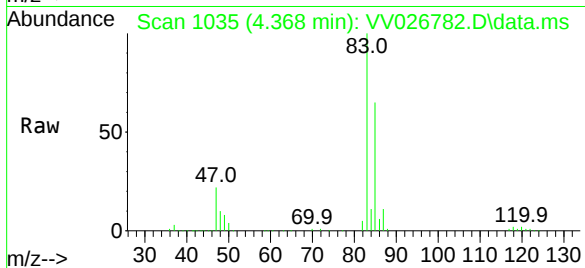
C0AQ1

Tgt Ion: 83 Resp: 732283

Ion Ratio Lower Upper

83 100

85 64.6 45.7 84.9



#27

1,2-Dichloroethane

Concen: 0.066 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.081 min

Lab File: VV026782.D

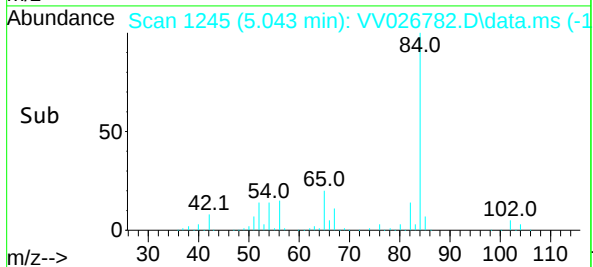
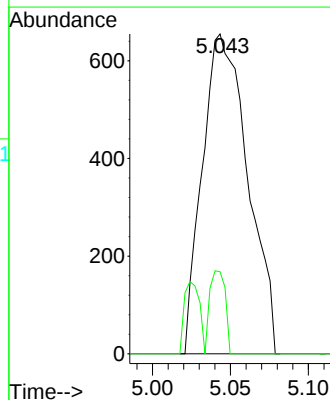
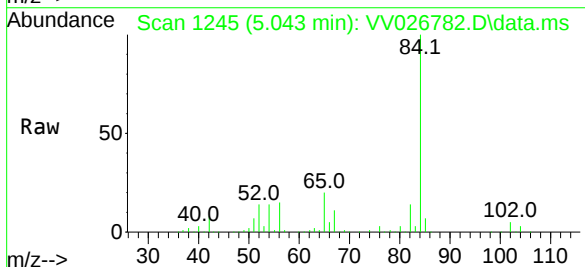
Acq: 14 Jul 2022 17:07

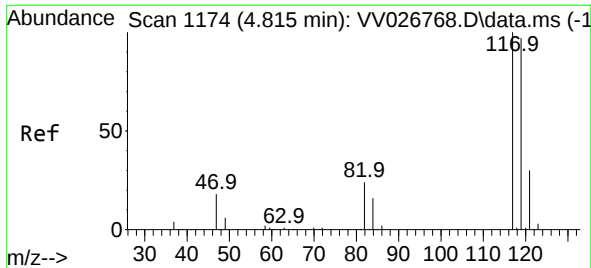
Tgt Ion: 62 Resp: 1328

Ion Ratio Lower Upper

62 100

98 25.6 8.3 12.5#

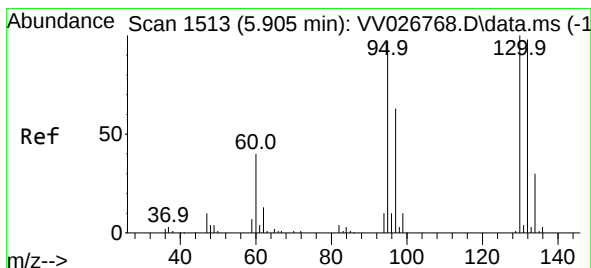
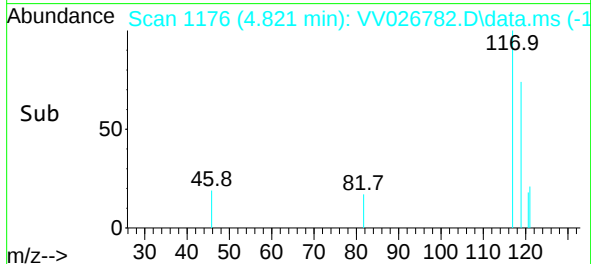
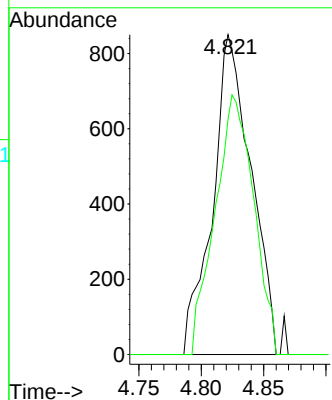
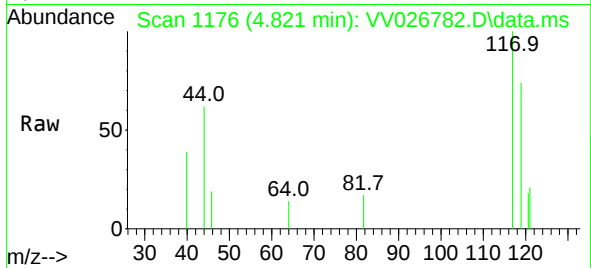




#31
Carbon tetrachloride
Concen: 0.062 ug/L
RT: 4.821 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

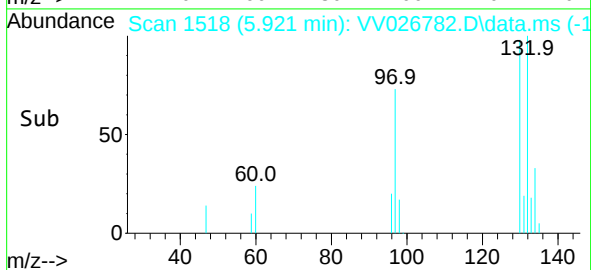
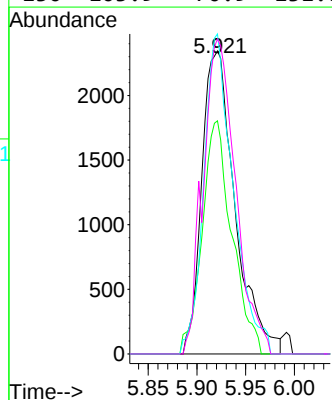
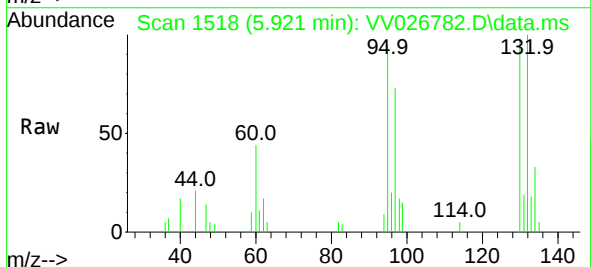
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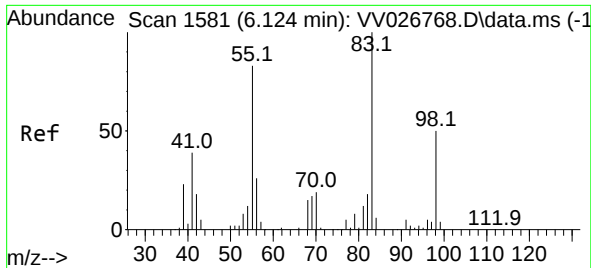
Tgt Ion:117 Resp: 1824
Ion Ratio Lower Upper
117 100
119 81.8 75.1 112.7



#34
Trichloroethene
Concen: 0.273 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.016 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

Tgt Ion: 95 Resp: 5572
Ion Ratio Lower Upper
95 100
97 76.9 44.6 82.8
132 105.6 70.2 130.4
130 103.9 70.9 131.7

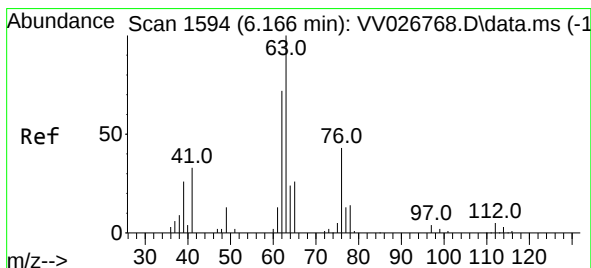
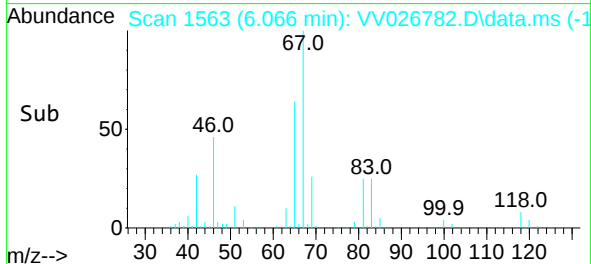
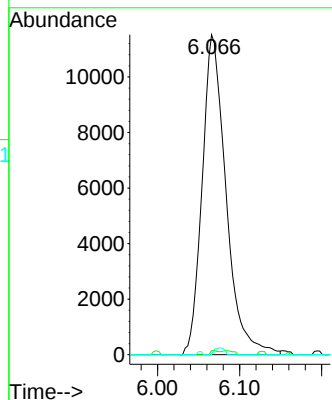
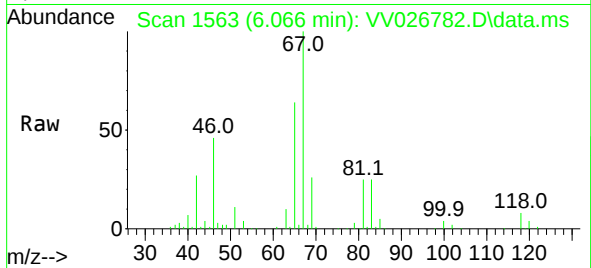




#35
Methylcyclohexane
Concen: 0.748 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.058 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

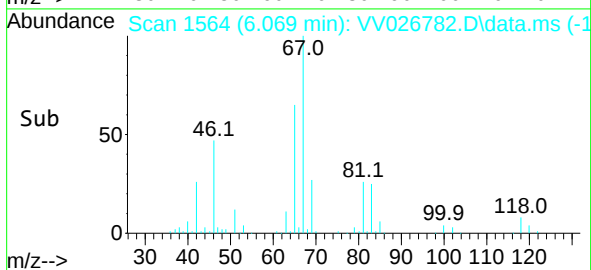
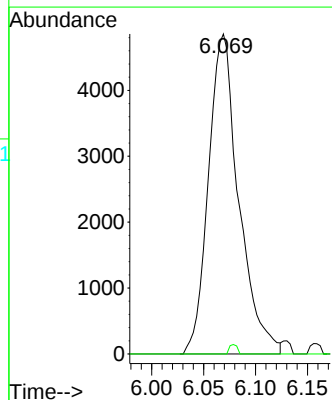
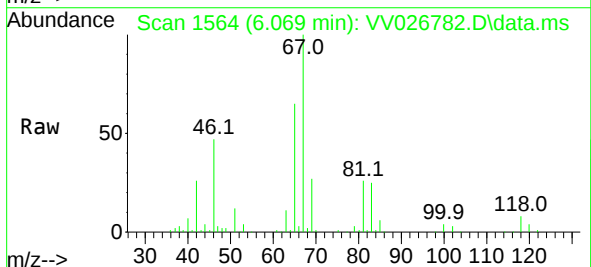
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

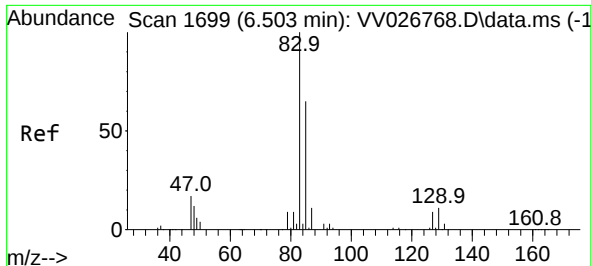
Tgt Ion: 83 Resp: 23282
Ion Ratio Lower Upper
83 100
55 0.4 59.5 89.3#
98 0.2 38.3 57.5#



#37
1,2-Dichloropropane
Concen: 0.496 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.097 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

Tgt Ion: 63 Resp: 9847
Ion Ratio Lower Upper
63 100
112 0.8 4.2 6.2#

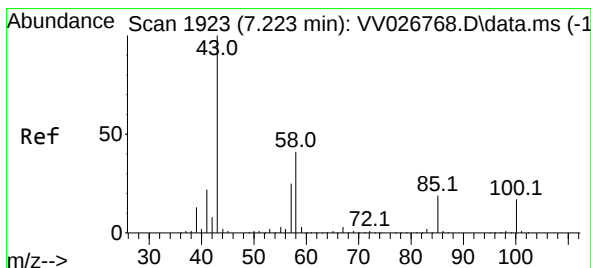
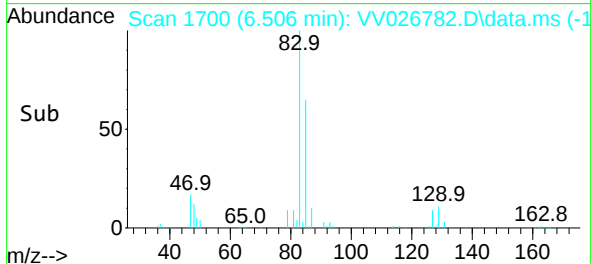
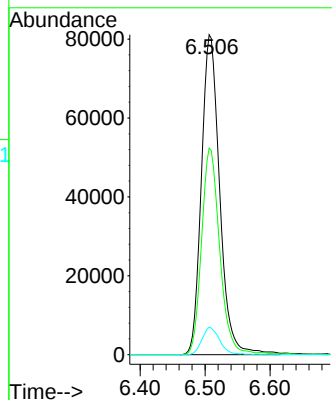
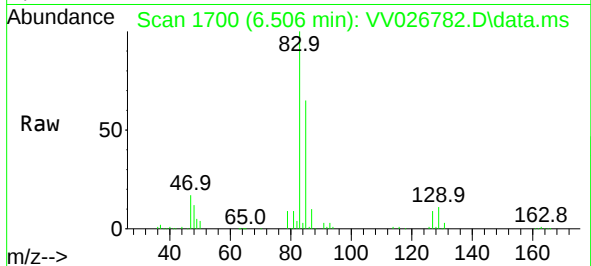




#38
Bromodichloromethane
Concen: 6.155 ug/L
RT: 6.506 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

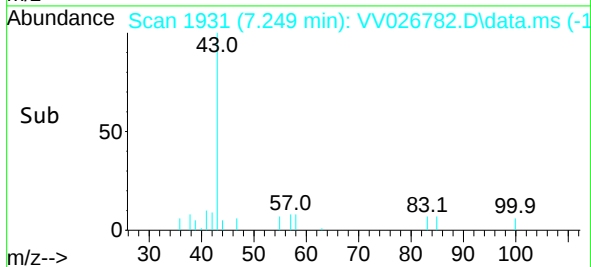
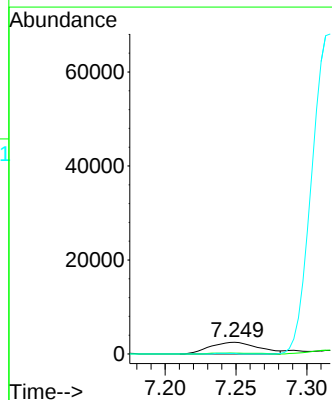
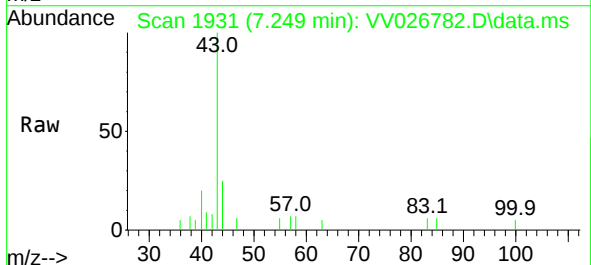
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

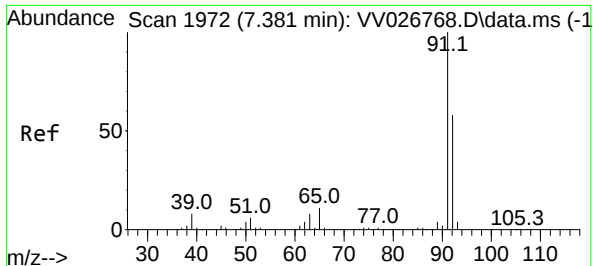
Tgt Ion: 83 Resp: 159250
Ion Ratio Lower Upper
83 100
85 64.5 45.4 84.4
127 8.6 6.6 10.0



#40
4-Methyl-2-pentanone
Concen: 0.645 ug/L
RT: 7.249 min Scan# 1931
Delta R.T. 0.026 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

Tgt Ion: 43 Resp: 5913
Ion Ratio Lower Upper
43 100
58 5.2 34.6 51.8#
100 0.0 13.6 20.4#

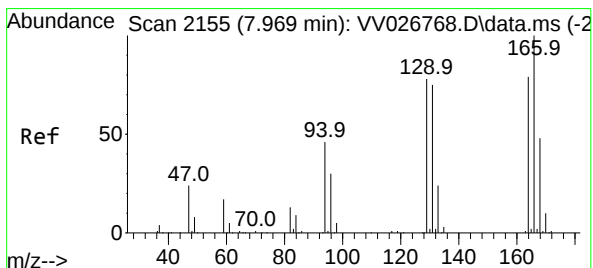
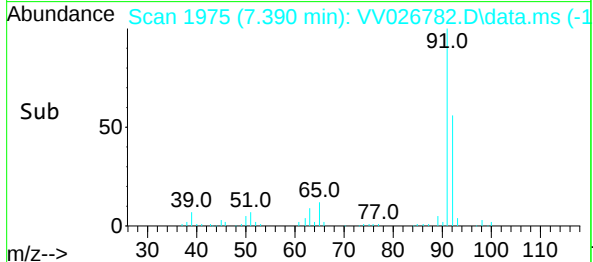
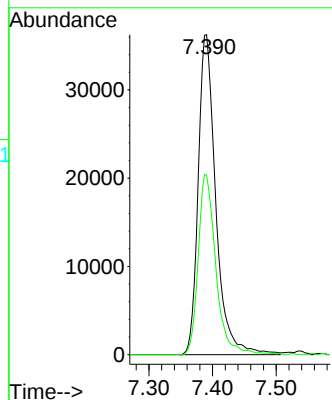
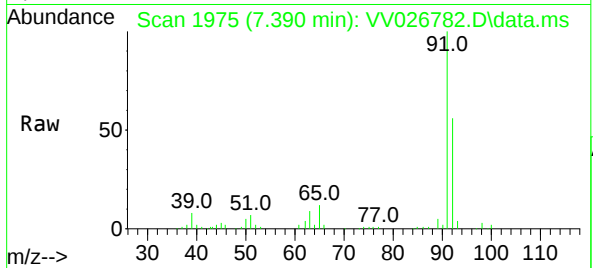




#42
Toluene
Concen: 0.831 ug/L
RT: 7.390 min Scan# 1972
Delta R.T. 0.010 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

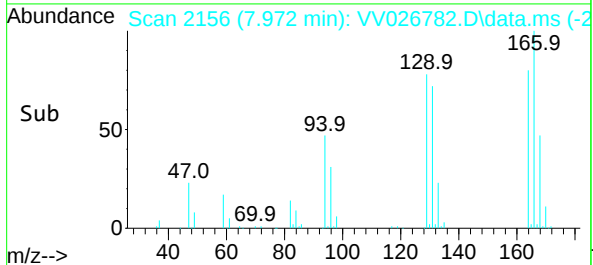
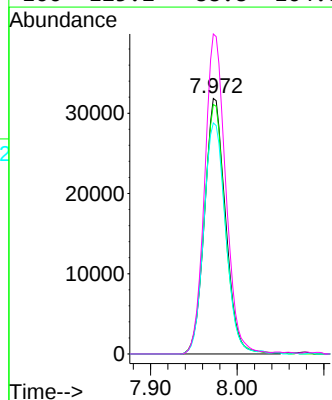
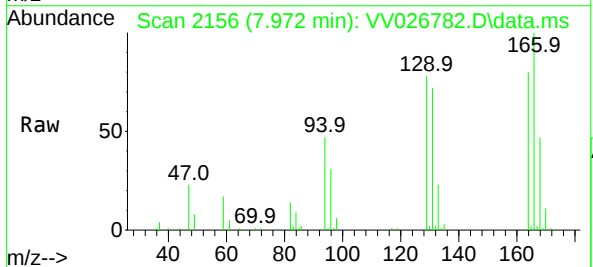
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

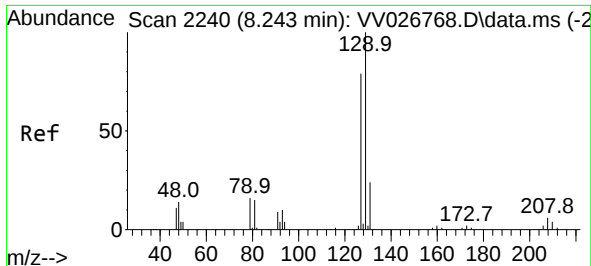
Tgt Ion: 91 Resp: 69678
Ion Ratio Lower Upper
91 100
92 56.1 40.2 74.6



#47
Tetrachloroethene
Concen: 3.353 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

Tgt Ion: 164 Resp: 53647
Ion Ratio Lower Upper
164 100
129 97.6 67.8 125.8
131 90.4 65.9 122.5
166 125.2 88.8 164.8





#49

Dibromochloromethane

Concen: 4.118 ug/L

RT: 8.243 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV026782.D

Acq: 14 Jul 2022 17:07

Instrument :

MSVOA_V

ClientSampleId :

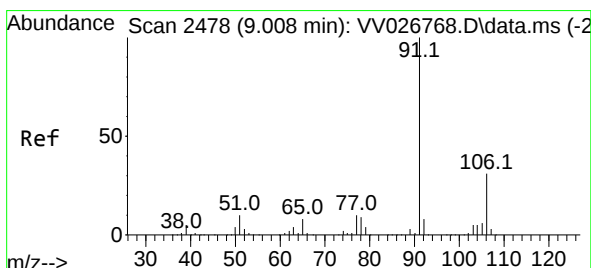
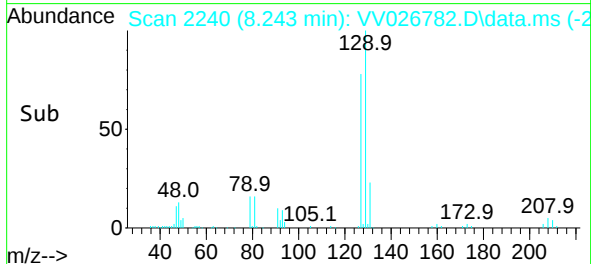
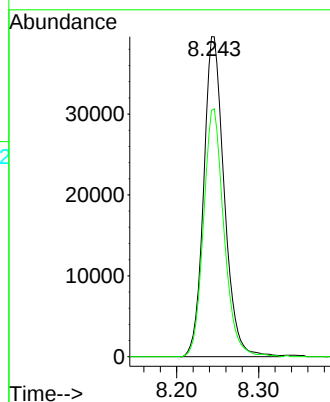
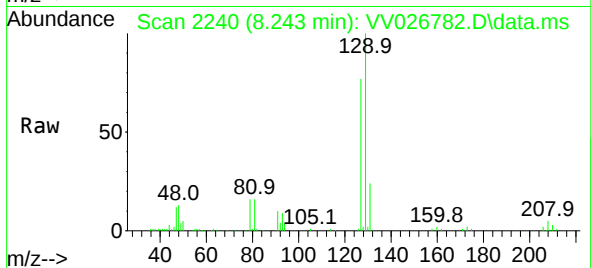
C0AQ1

Tgt Ion:129 Resp: 68851

Ion Ratio Lower Upper

129 100

127 77.0 55.7 103.5



#52

Ethylbenzene

Concen: 1.151 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV026782.D

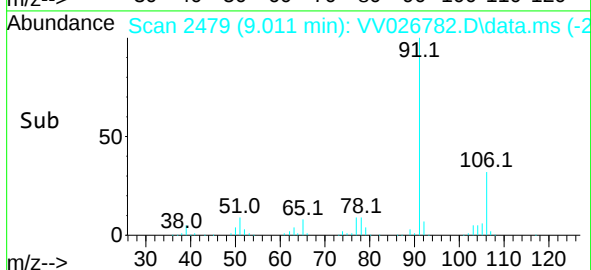
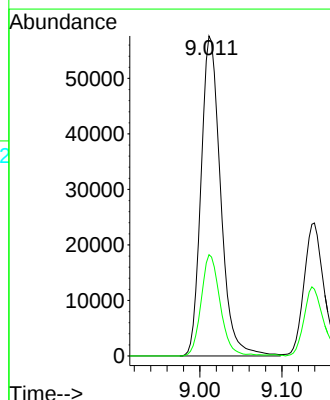
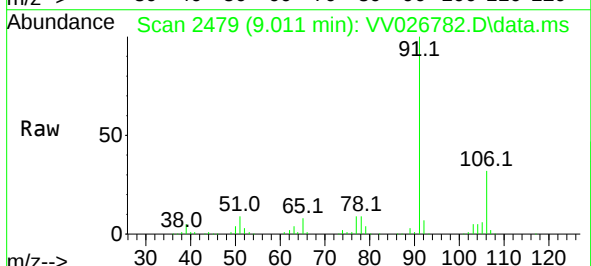
Acq: 14 Jul 2022 17:07

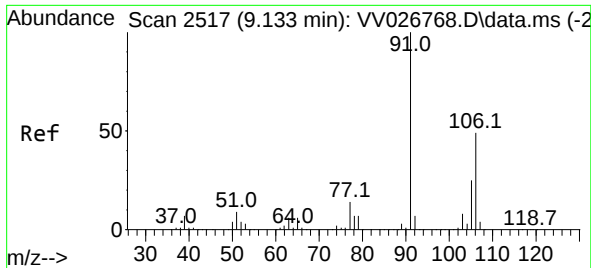
Tgt Ion: 91 Resp: 95454

Ion Ratio Lower Upper

91 100

106 31.7 21.6 40.2

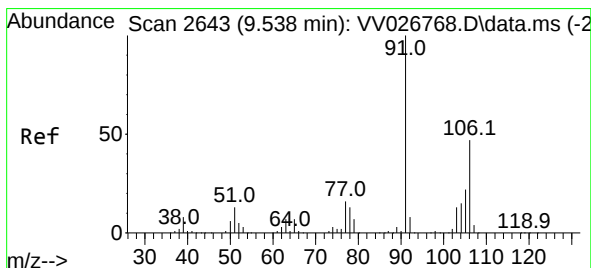
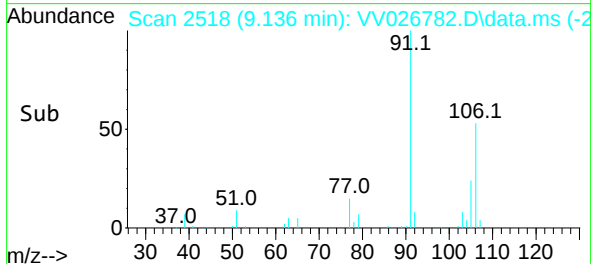
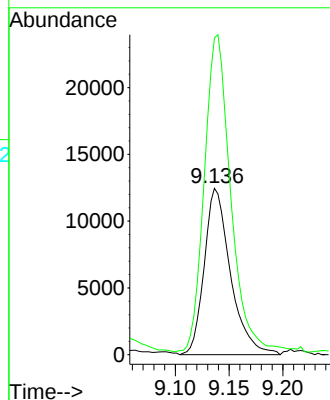
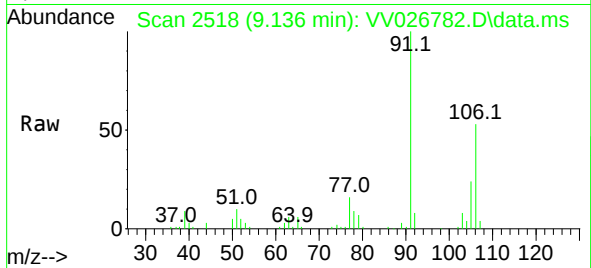




#53
m,p-Xylene
Concen: 0.656 ug/L
RT: 9.136 min Scan# 21163
Delta R.T. 0.003 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

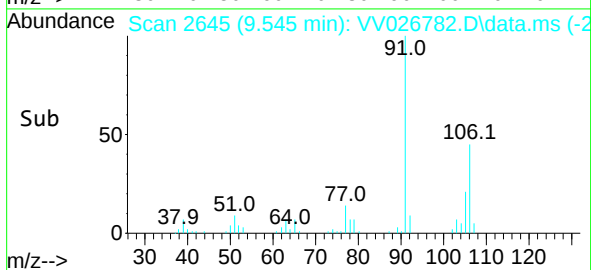
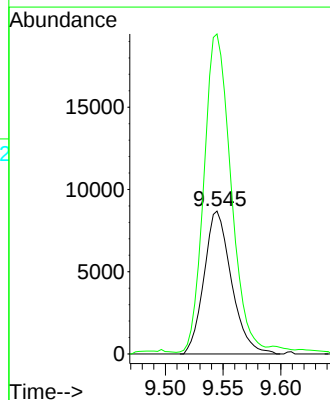
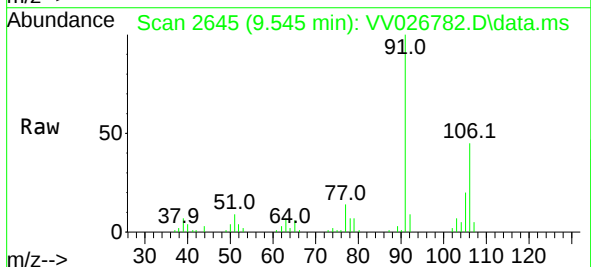
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

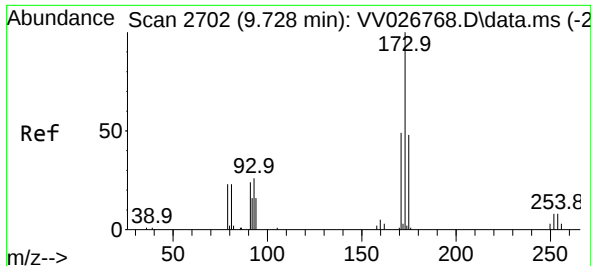
Tgt Ion:106 Resp: 21163
Ion Ratio Lower Upper
106 100
91 190.3 139.3 258.7



#54
o-Xylene
Concen: 0.467 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.006 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

Tgt Ion:106 Resp: 14305
Ion Ratio Lower Upper
106 100
91 224.1 151.1 280.7

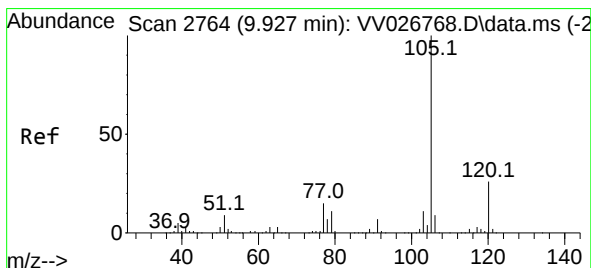
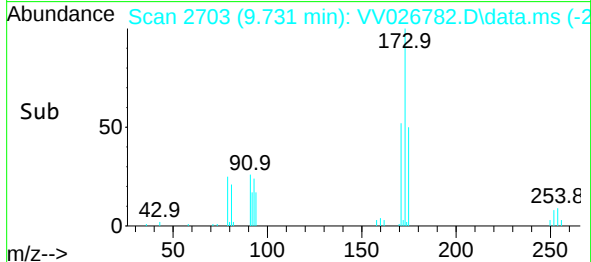
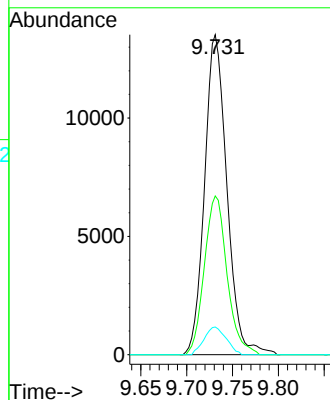
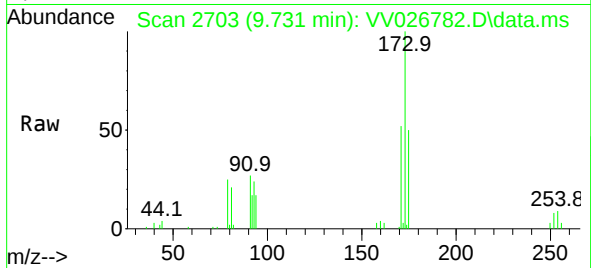




#59
Bromoform
Concen: 3.418 ug/L
RT: 9.731 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

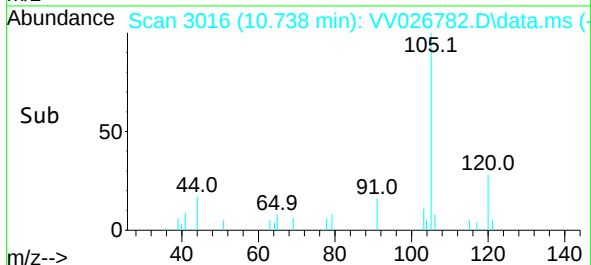
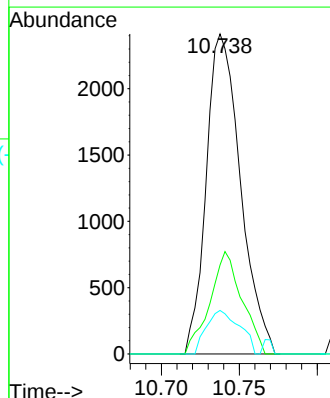
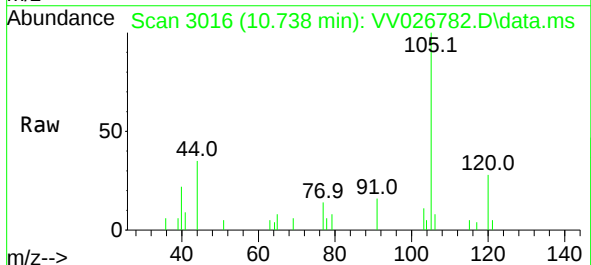
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

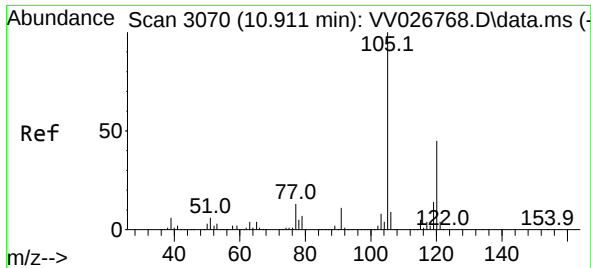
Tgt Ion:173 Resp: 22872
Ion Ratio Lower Upper
173 100
175 50.5 40.7 61.1
254 8.5 6.5 9.7



#60
Isopropylbenzene
Concen: 0.057 ug/L
RT: 10.738 min Scan# 3016
Delta R.T. 0.810 min
Lab File: VV026782.D
Acq: 14 Jul 2022 17:07

Tgt Ion:105 Resp: 3685
Ion Ratio Lower Upper
105 100
120 30.0 20.7 31.1
77 13.2 12.5 18.7





#63

1,2,4-Trimethylbenzene

Concen: 0.113 ug/L

RT: 10.927 min Scan# 30

Delta R.T. 0.016 min

Lab File: VV026782.D

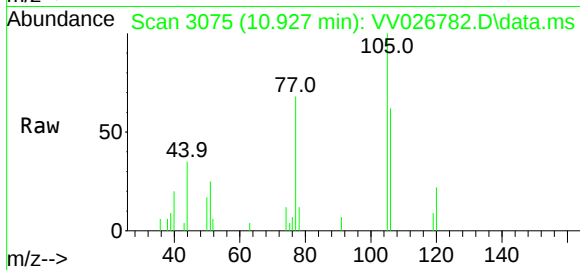
Acq: 14 Jul 2022 17:07

Instrument :

MSVOA_V

ClientSampleId :

C0AQ1



Tgt Ion:105 Resp: 5945

Ion Ratio Lower Upper

105 100

120 16.6 36.8 55.2#

