

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062322\
 Data File : VW026513.D
 Acq On : 23 Jun 2022 14:45
 Operator : SY/MD
 Sample : N3385-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA2

Quant Time: Jun 24 02:01:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 24 00:51:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	201977	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	194465	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	95426	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.314	65	80324	4.945	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.000%
7) Chloroethane-d5	1.577	69	65993	5.057	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.200%
11) 1,1-Dichloroethene-d2	2.117	63	108773	3.769	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.400%
20) 2-Butanone-d5	3.921	46	83456	51.679	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.360%
24) Chloroform-d	4.358	84	128866	4.853	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.040	65	53968	5.277	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	5.056	84	259730	4.650	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.072	67	77324	5.034	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.600%
41) Toluene-d8	7.317	98	218121	4.342	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
43) trans-1,3-Dichloroprop...	7.628	79	17030	4.289	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.091	63	72540	47.968	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.940%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	51189	5.094	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	84204	5.332	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.249	50	2552	0.152	ug/L #	81
5) Vinyl chloride	1.320	62	950	0.053	ug/L #	1
6) Bromomethane	1.535	94	976	0.101	ug/L	96
8) Chloroethane	1.526	64	36660	3.010	ug/L #	56
13) Acetone	2.214	43	5788	5.650	ug/L	73
14) Carbon disulfide	2.304	76	2647	0.074	ug/L #	82
22) cis-1,2-Dichloroethene	3.924	96	724	0.052	ug/L	91
25) Chloroform	4.394	83	1946	0.073	ug/L	99
33) Benzene	5.108	78	14394	0.254	ug/L	100
35) Methylcyclohexane	6.072	83	19232	0.871	ug/L #	20
37) 1,2-Dichloropropane	6.072	63	8250	0.603	ug/L #	84
39) cis-1,3-Dichloropropene	6.992	75	1332	0.097	ug/L #	65
52) Ethylbenzene	9.014	91	123431	2.036	ug/L	99
53) m,p-Xylene	9.146	106	12653	0.535	ug/L	90
54) o-Xylene	9.545	106	4315	0.194	ug/L	92
60) Isopropylbenzene	9.931	105	176387	2.997	ug/L	99
61) 1,2,3-Trichloropropane	10.349	75	367	0.059	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.336	105	12348	0.265	ug/L	90
63) 1,2,4-Trimethylbenzene	11.336	105	12348	0.269	ug/L	94

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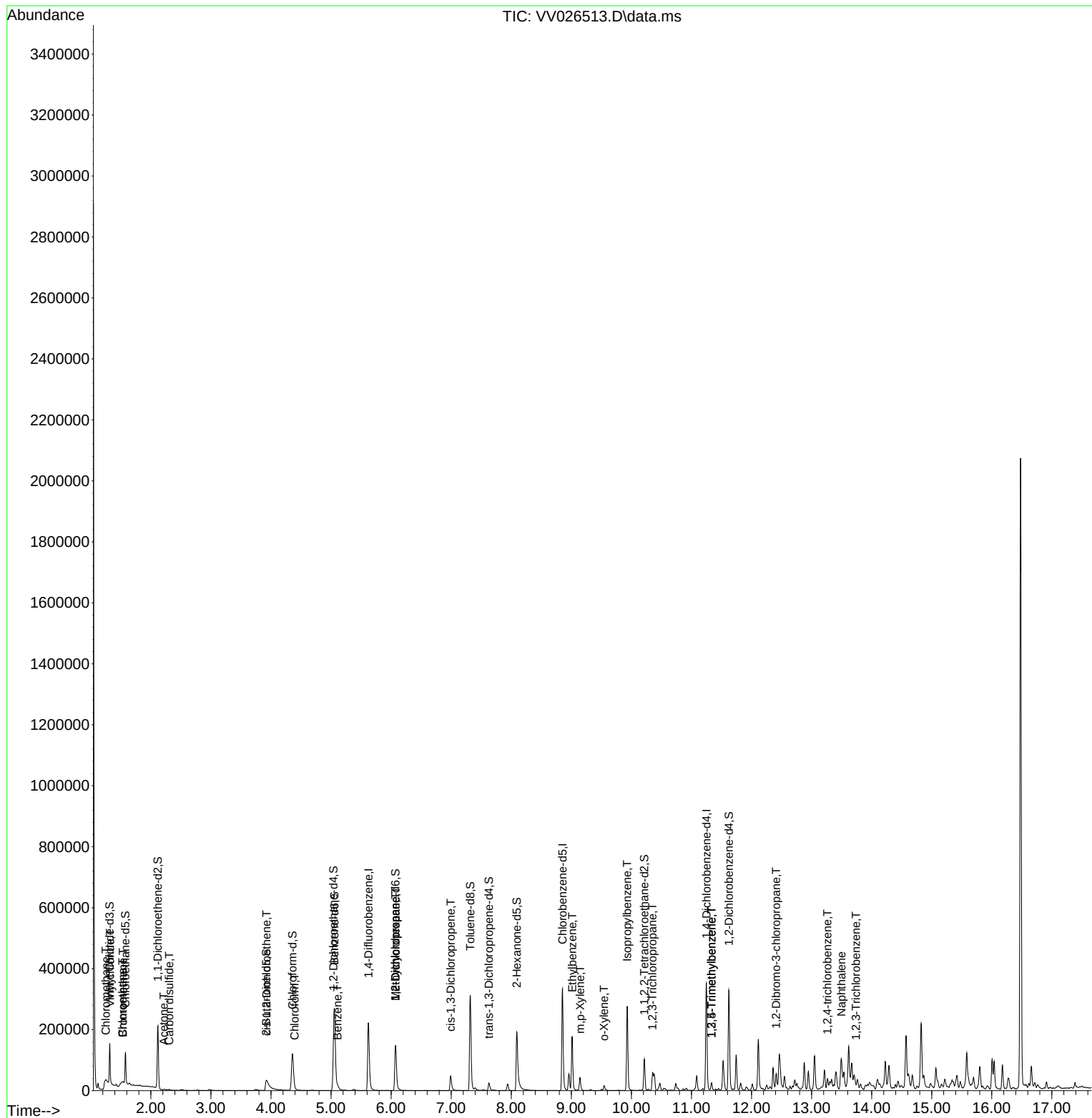
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.410	75	207	0.187	ug/L #	1
70) 1,2,4-trichlorobenzene	13.265	180	1001	0.069	ug/L #	73
71) Naphthalene	13.500	128	38613	2.036	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.741	180	705	0.059	ug/L #	1

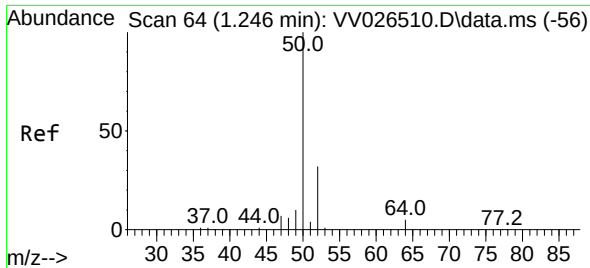
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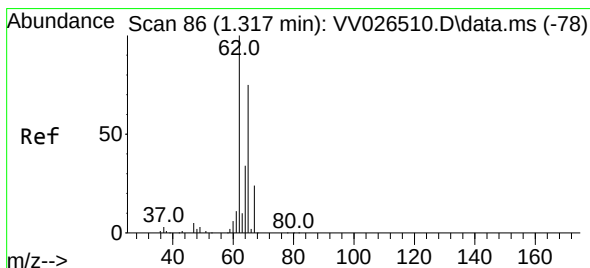
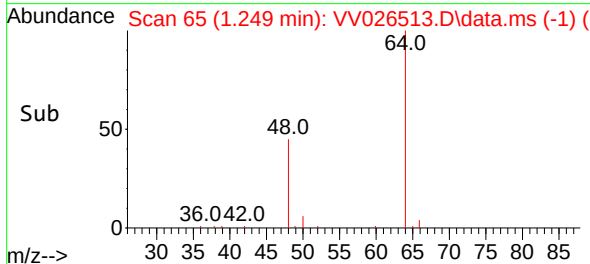
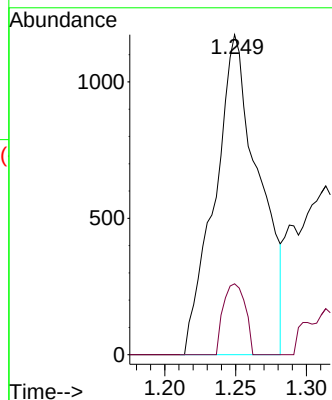
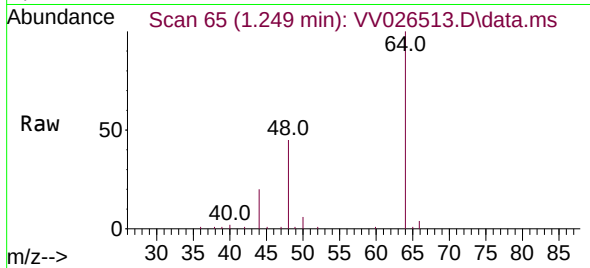




#3
Chloromethane
Concen: 0.152 ug/L
RT: 1.249 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

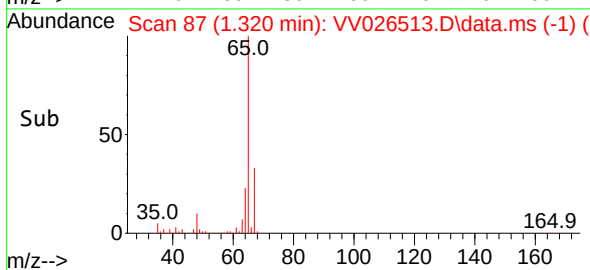
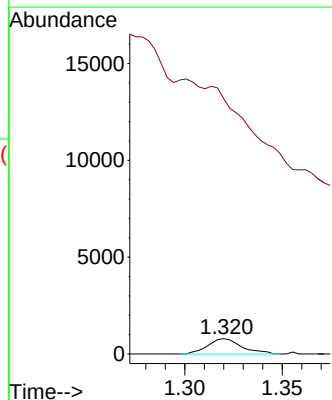
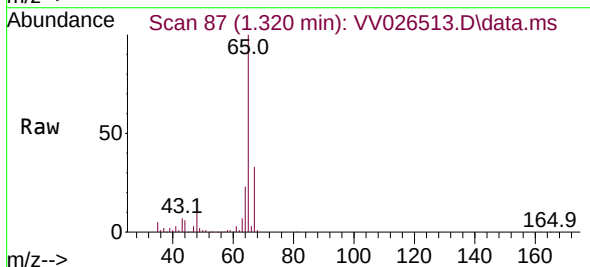
Instrument :
MSVOA_V
ClientSampleId :
C0AA2

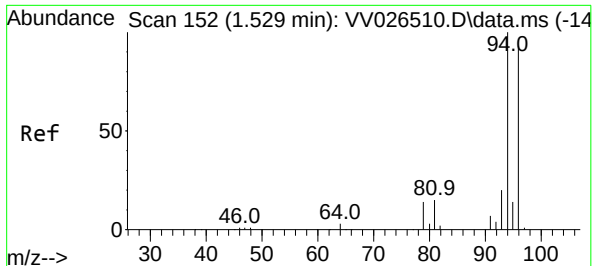
Tgt Ion: 50 Resp: 2552
Ion Ratio Lower Upper
50 100
52 22.2 23.0 42.6#



#5
Vinyl chloride
Concen: 0.053 ug/L
RT: 1.320 min Scan# 87
Delta R.T. 0.003 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

Tgt Ion: 62 Resp: 950
Ion Ratio Lower Upper
62 100
64 1655.3 26.2 48.6#

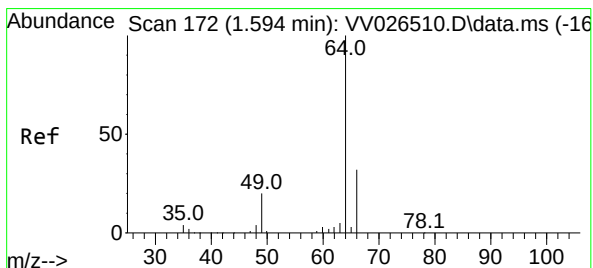
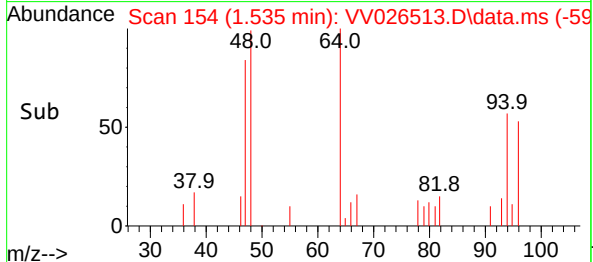
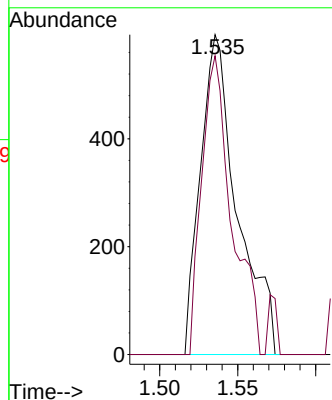
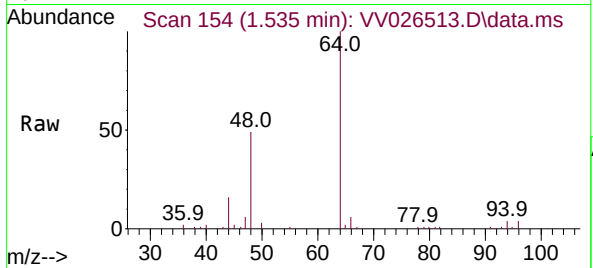




#6
Bromomethane
Concen: 0.101 ug/L
RT: 1.535 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

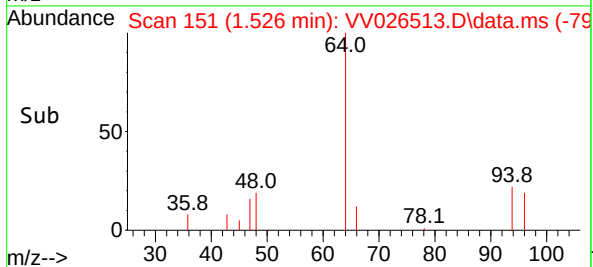
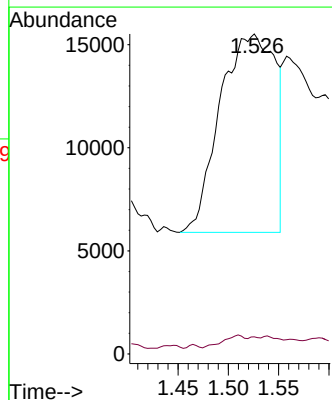
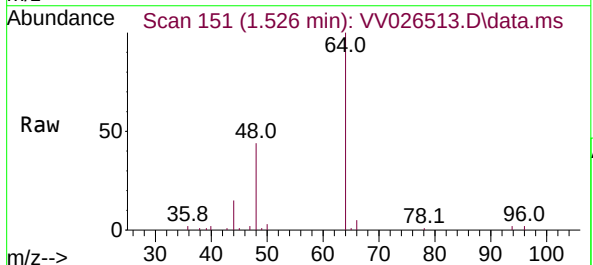
Instrument :
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ClientSampleId :
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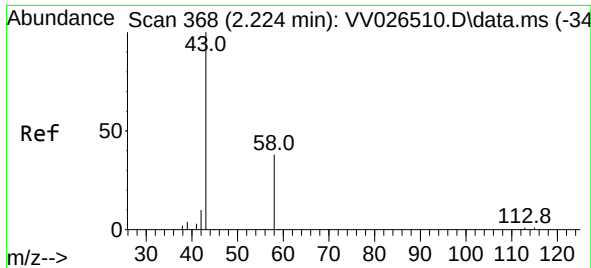
Tgt Ion: 94 Resp: 976
Ion Ratio Lower Upper
94 100
96 93.4 68.0 126.2



#8
Chloroethane
Concen: 3.010 ug/L
RT: 1.526 min Scan# 151
Delta R.T. -0.068 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

Tgt Ion: 64 Resp: 36660
Ion Ratio Lower Upper
64 100
66 5.4 20.0 37.2#

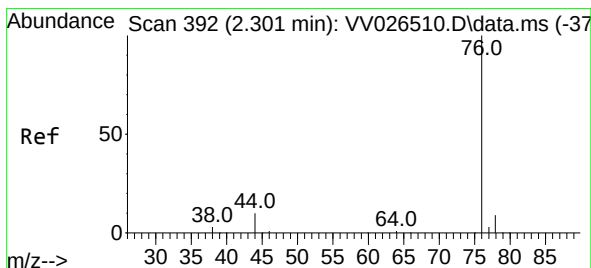
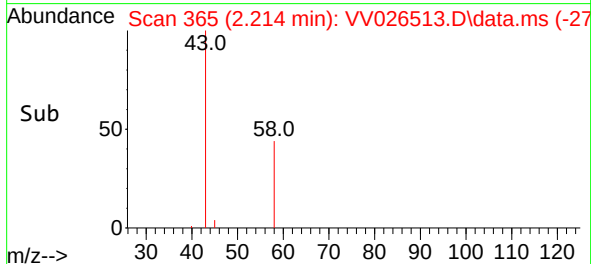
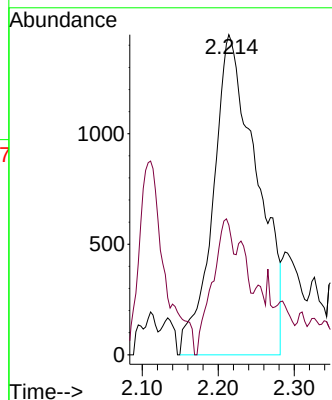
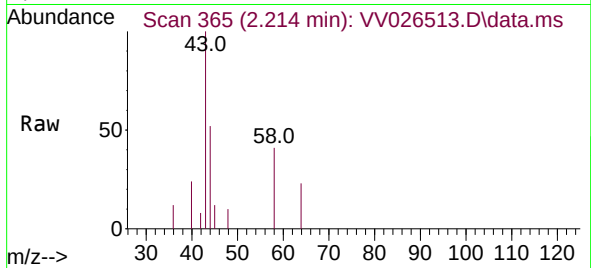




#13
Acetone
Concen: 5.650 ug/L
RT: 2.214 min Scan# 301
Delta R.T. -0.010 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

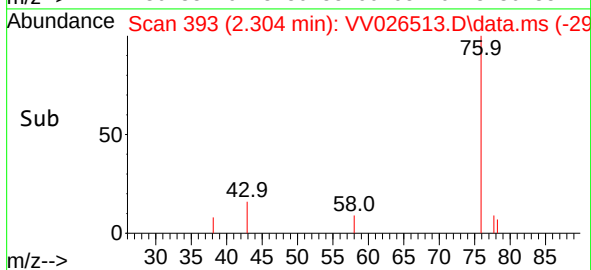
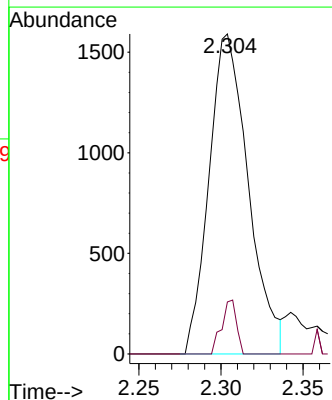
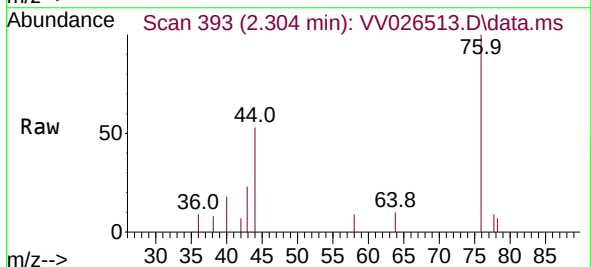
Instrument :
MSVOA_V
ClientSampleId :
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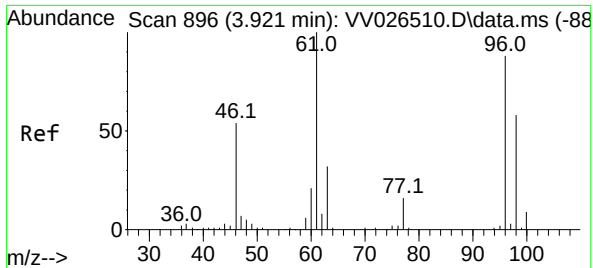
Tgt Ion: 43 Resp: 5788
Ion Ratio Lower Upper
43 100
58 21.1 0.0 75.0



#14
Carbon disulfide
Concen: 0.074 ug/L
RT: 2.304 min Scan# 393
Delta R.T. 0.003 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

Tgt Ion: 76 Resp: 2647
Ion Ratio Lower Upper
76 100
78 16.2 7.8 11.6#

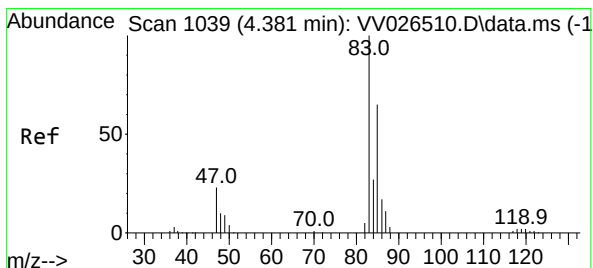
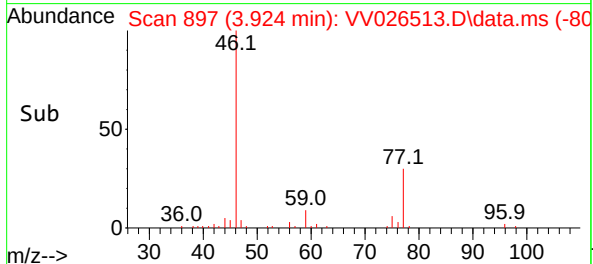
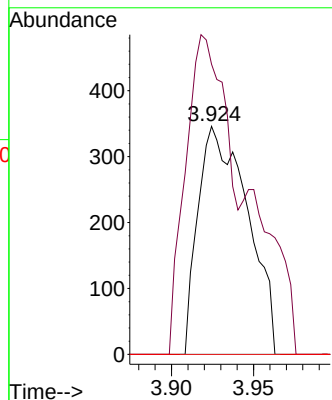
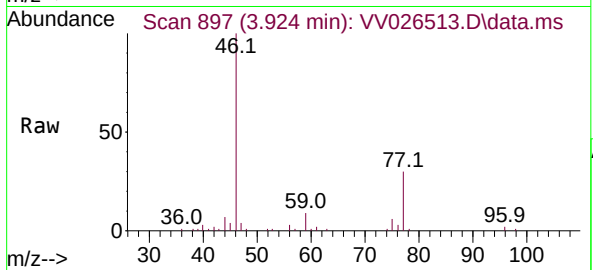




#22
 cis-1,2-Dichloroethene
 Concen: 0.052 ug/L
 RT: 3.924 min Scan# 896
 Delta R.T. 0.003 min
 Lab File: VV026513.D
 Acq: 23 Jun 2022 14:45

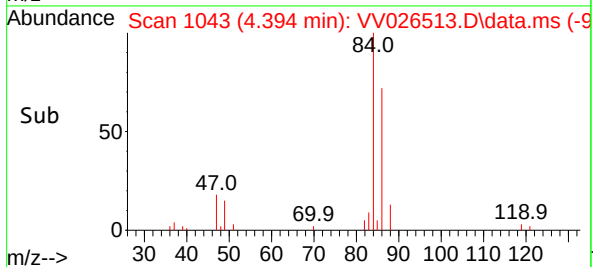
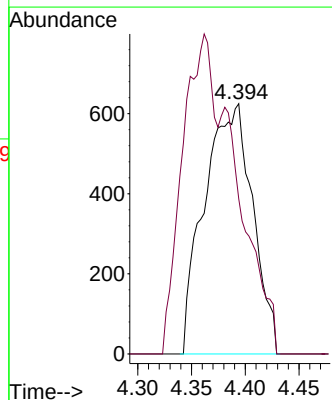
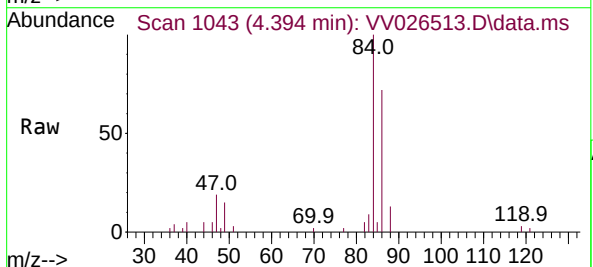
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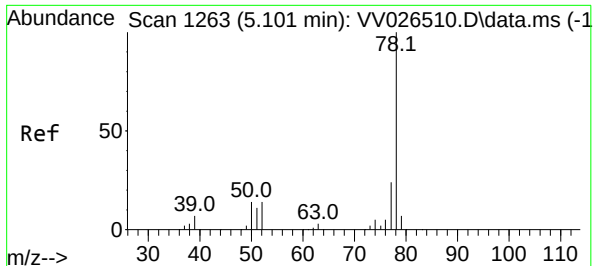
Tgt Ion: 96 Resp: 724
 Ion Ratio Lower Upper
 96 100
 61 127.2 82.0 152.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.073 ug/L
 RT: 4.394 min Scan# 1043
 Delta R.T. 0.013 min
 Lab File: VV026513.D
 Acq: 23 Jun 2022 14:45

Tgt Ion: 83 Resp: 1946
 Ion Ratio Lower Upper
 83 100
 85 61.9 44.0 81.8

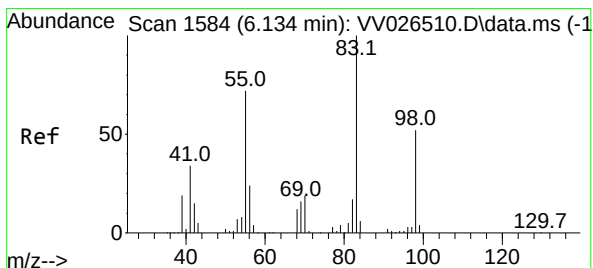
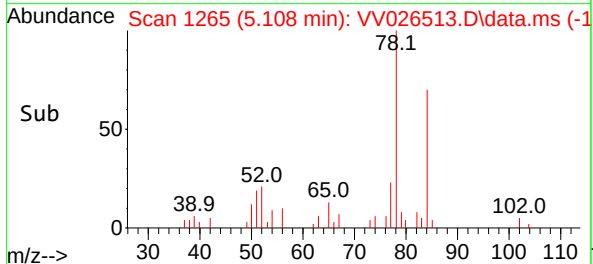
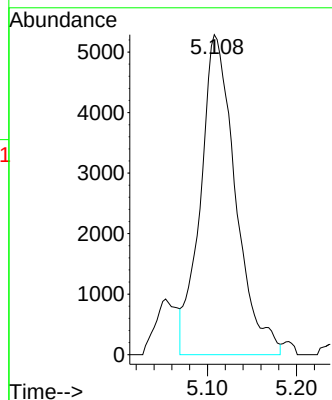
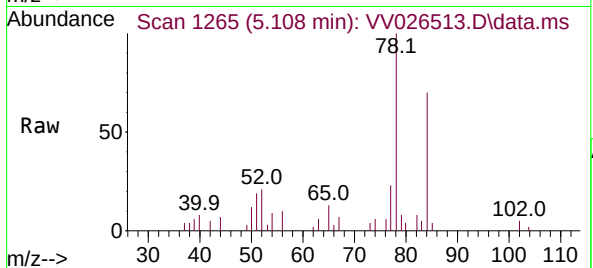




#33
Benzene
Concen: 0.254 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV026513.D
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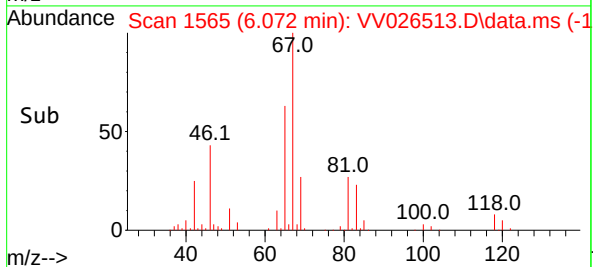
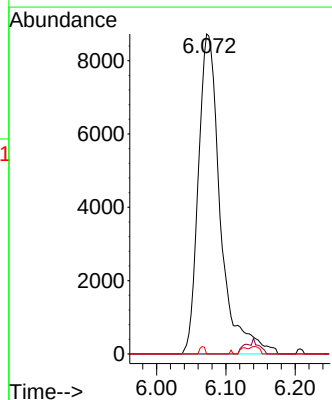
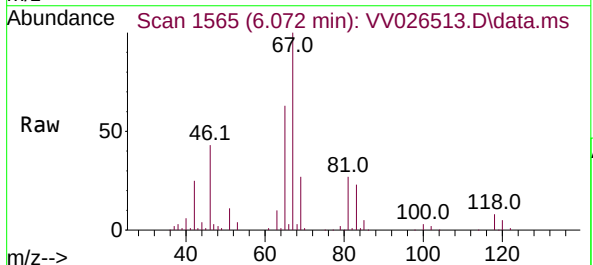
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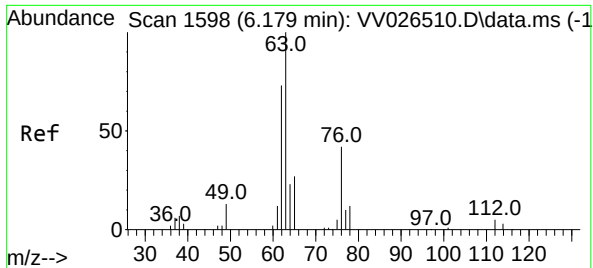
Tgt Ion: 78 Resp: 14394



#35
Methylcyclohexane
Concen: 0.871 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV026513.D
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Tgt Ion: 83 Resp: 19232
Ion Ratio Lower Upper
83 100
55 0.0 57.0 85.4#
98 0.5 39.8 59.8#





#37

1,2-Dichloropropane

Concen: 0.603 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV026513.D

Acq: 23 Jun 2022 14:45

Instrument :

MSVOA_V

ClientSampleId :

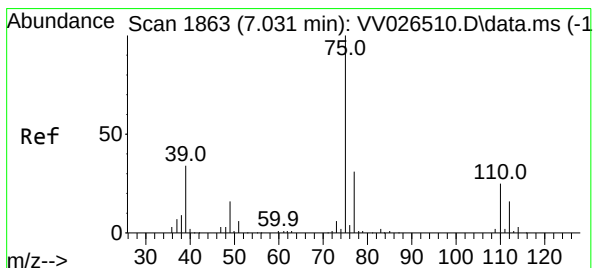
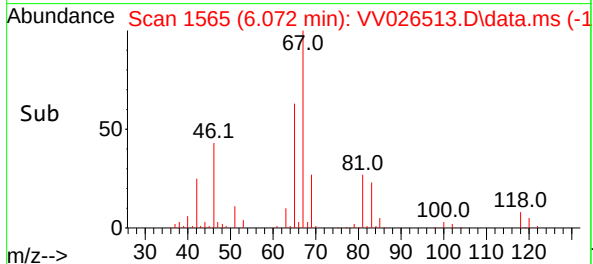
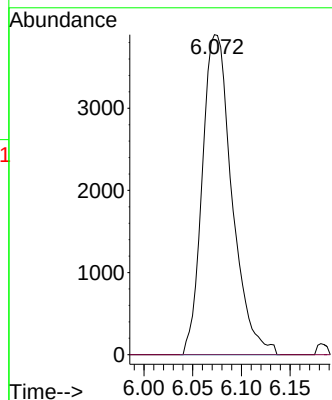
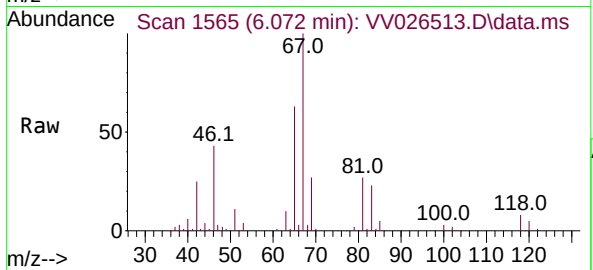
C0AA2

Tgt Ion: 63 Resp: 8250

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.4#



#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.039 min

Lab File: VV026513.D

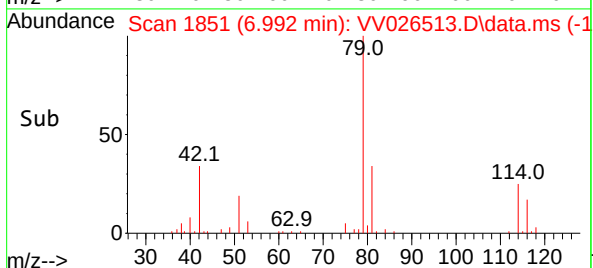
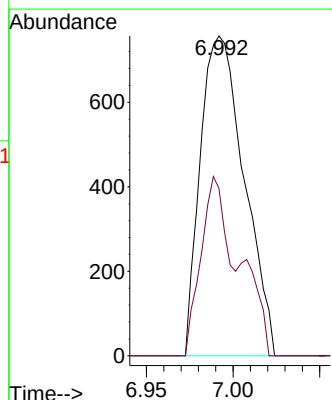
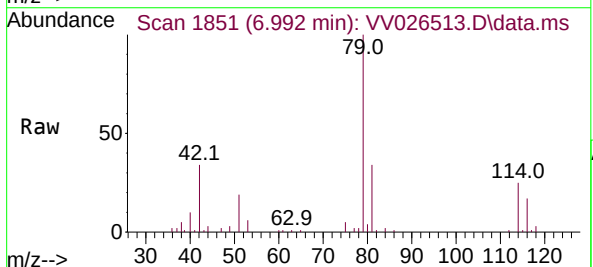
Acq: 23 Jun 2022 14:45

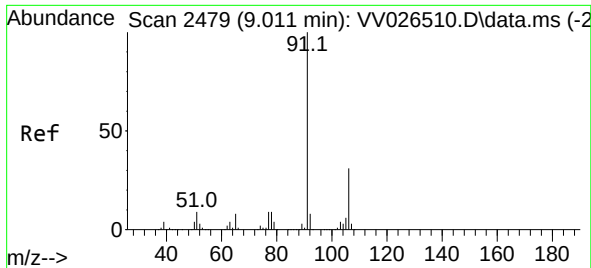
Tgt Ion: 75 Resp: 1332

Ion Ratio Lower Upper

75 100

77 52.4 22.8 42.4#

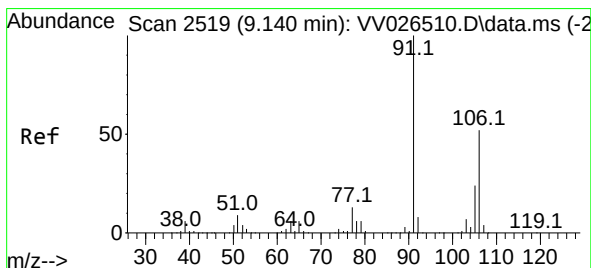
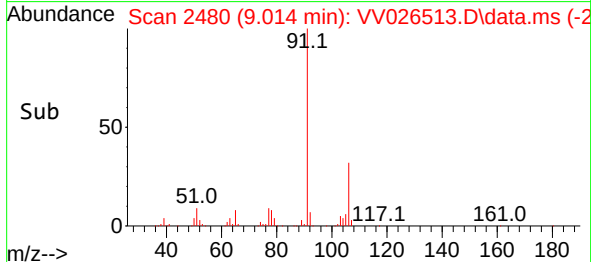
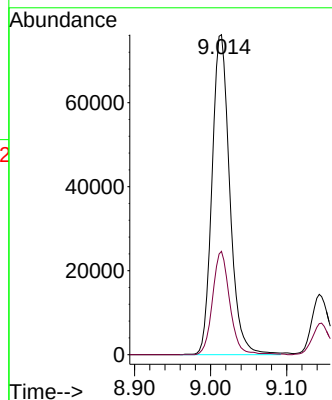
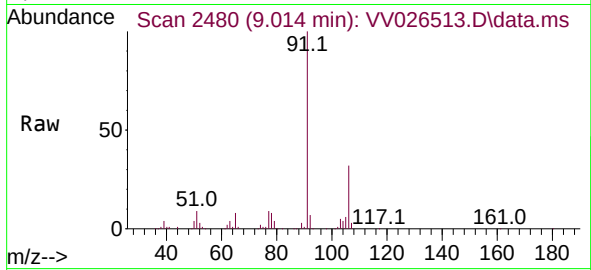




#52
Ethylbenzene
Concen: 2.036 ug/L
RT: 9.014 min Scan# 2479
Delta R.T. 0.003 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

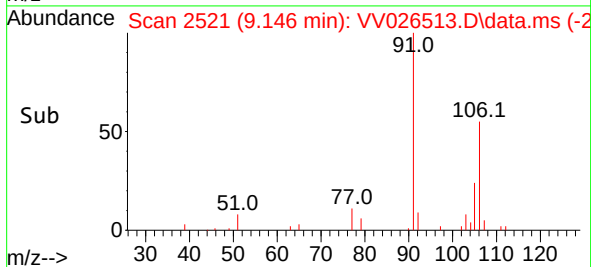
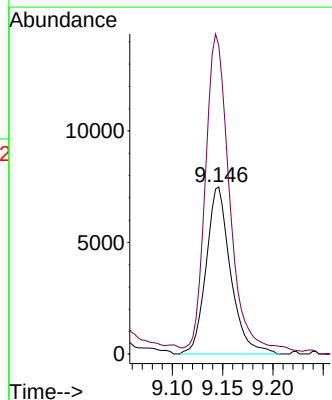
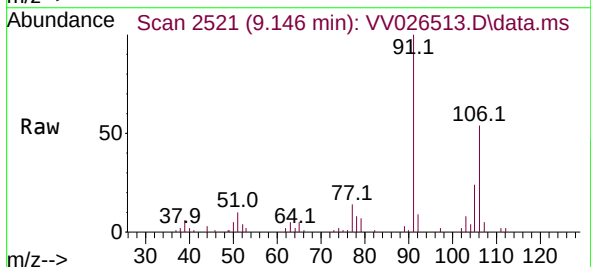
Instrument :
MSVOA_V
ClientSampleId :
C0AA2

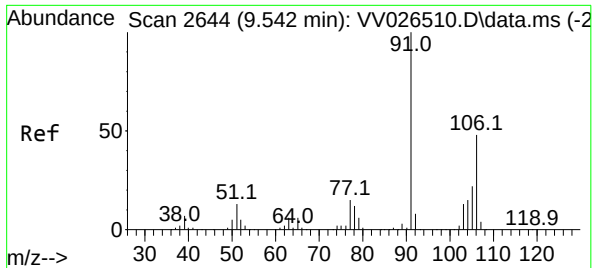
Tgt Ion: 91 Resp: 123431
Ion Ratio Lower Upper
91 100
106 32.3 22.1 41.1



#53
m,p-Xylene
Concen: 0.535 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.006 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

Tgt Ion: 106 Resp: 12653
Ion Ratio Lower Upper
106 100
91 184.7 139.9 259.9

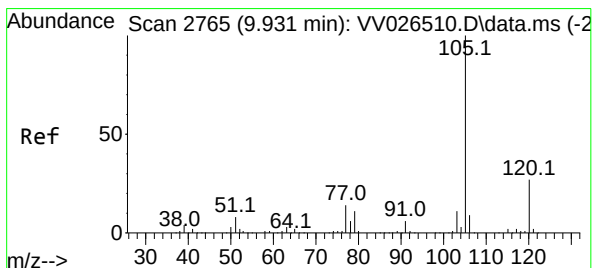
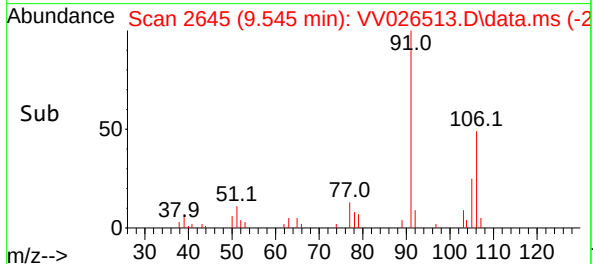
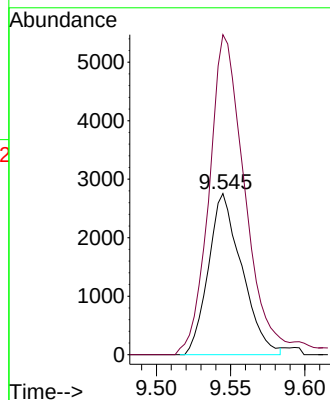
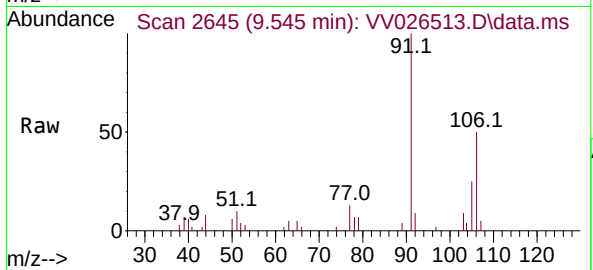




#54
o-Xylene
Concen: 0.194 ug/L
RT: 9.545 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

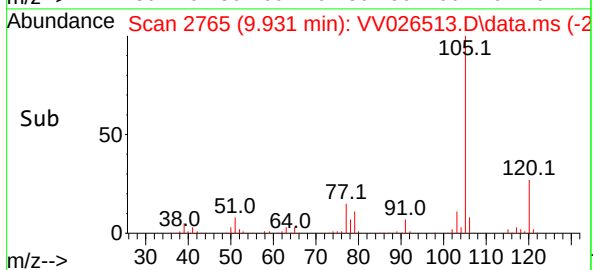
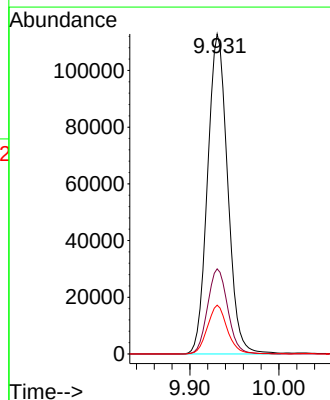
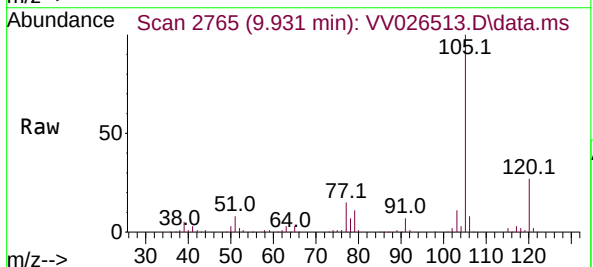
Instrument :
MSVOA_V
ClientSampleId :
C0AA2

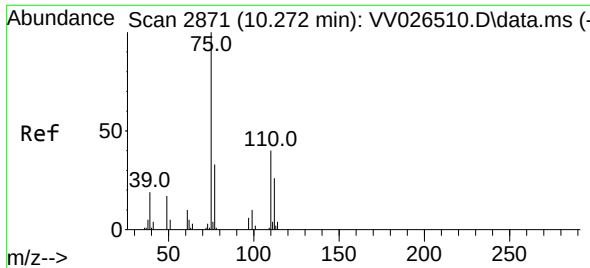
Tgt Ion:106 Resp: 4315
Ion Ratio Lower Upper
106 100
91 198.5 147.5 273.9



#60
Isopropylbenzene
Concen: 2.997 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

Tgt Ion:105 Resp: 176387
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.2
77 15.1 11.6 17.4

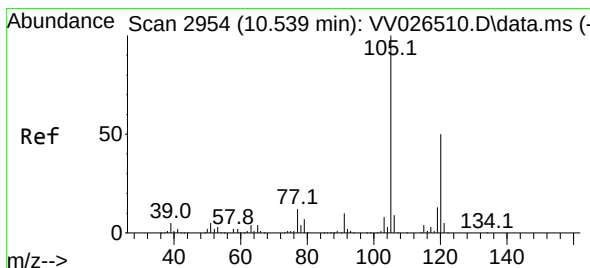
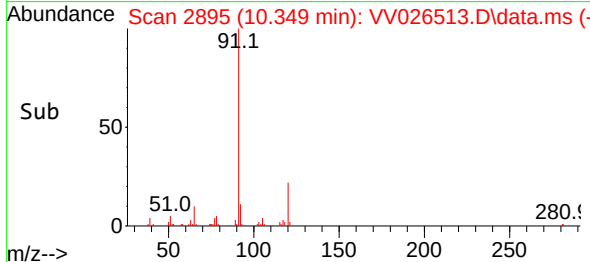
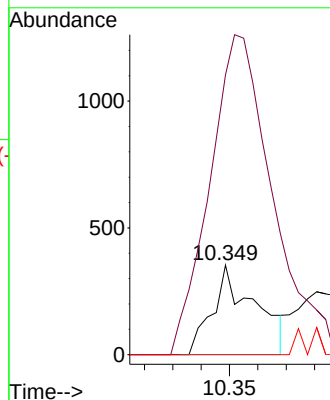
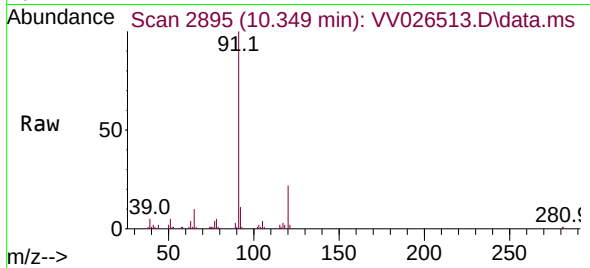




#61
1,2,3-Trichloropropane
Concen: 0.059 ug/L
RT: 10.349 min Scan# 21
Delta R.T. 0.077 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

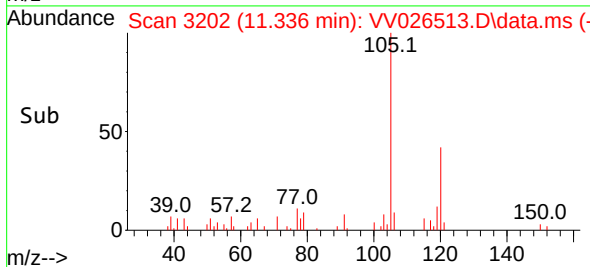
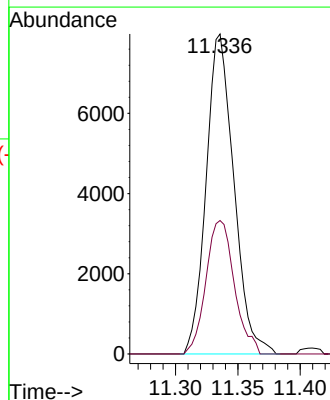
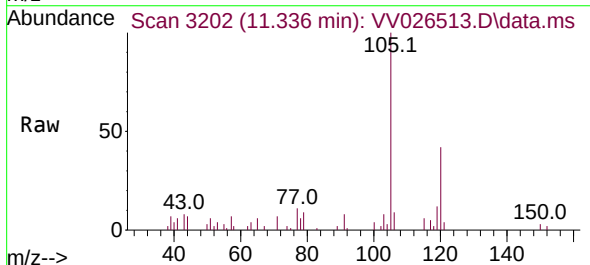
Instrument :
MSVOA_V
ClientSampleId :
C0AA2

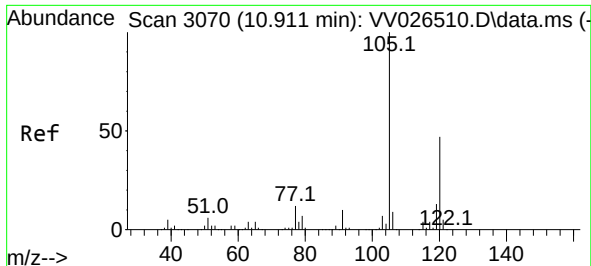
Tgt Ion: 75 Resp: 367
Ion Ratio Lower Upper
75 100
77 528.3 25.8 38.6#
110 0.0 32.5 48.7#



#62
1,3,5-Trimethylbenzene
Concen: 0.265 ug/L
RT: 11.336 min Scan# 3202
Delta R.T. 0.797 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

Tgt Ion: 105 Resp: 12348
Ion Ratio Lower Upper
105 100
120 42.7 39.6 59.4

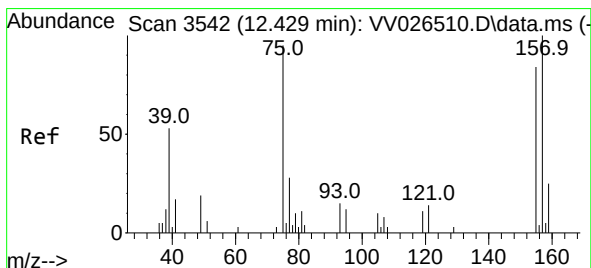
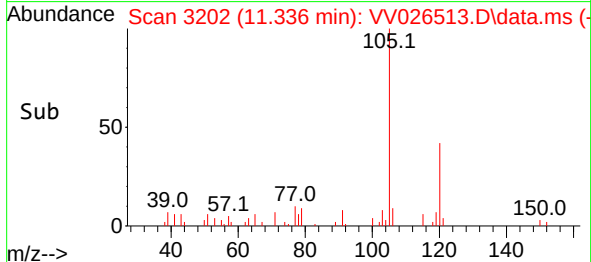
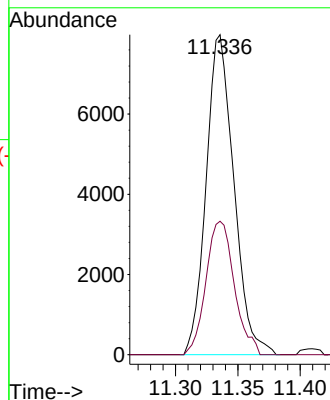
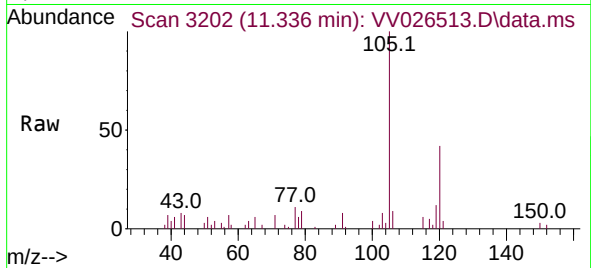




#63
1,2,4-Trimethylbenzene
Concen: 0.269 ug/L
RT: 11.336 min Scan# 31
Delta R.T. 0.424 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

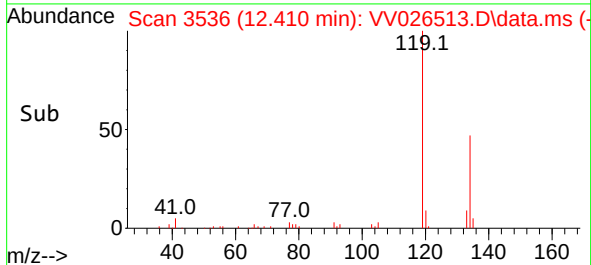
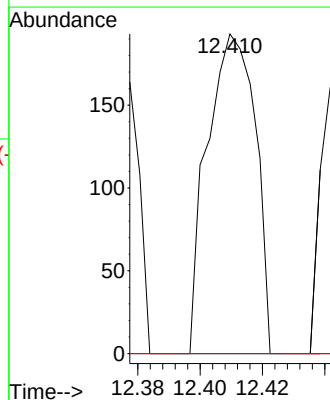
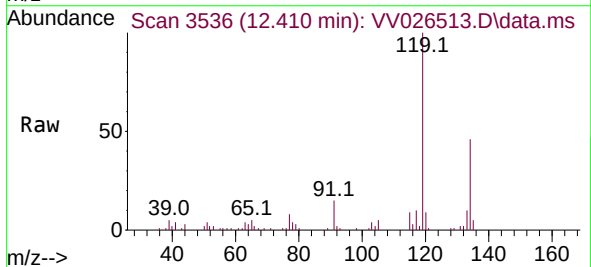
Instrument :
MSVOA_V
ClientSampleId :
C0AA2

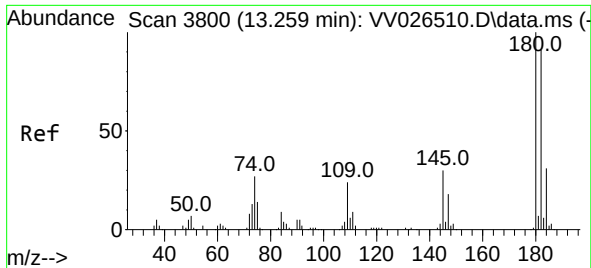
Tgt Ion:105 Resp: 12348
Ion Ratio Lower Upper
105 100
120 42.7 37.4 56.2



#68
1,2-Dibromo-3-chloropropane
Concen: 0.187 ug/L
RT: 12.410 min Scan# 3536
Delta R.T. -0.020 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

Tgt Ion: 75 Resp: 207
Ion Ratio Lower Upper
75 100
155 0.0 74.7 112.1#
157 0.0 96.9 145.3#

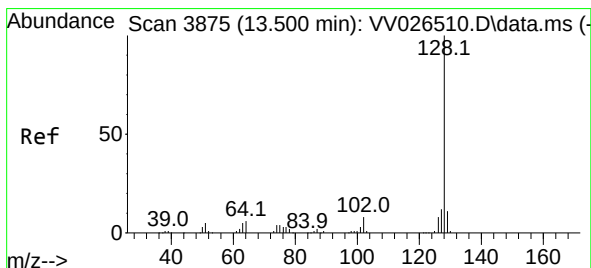
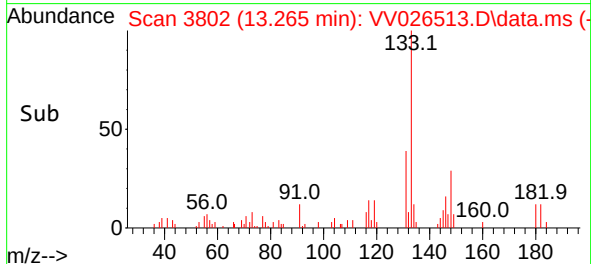
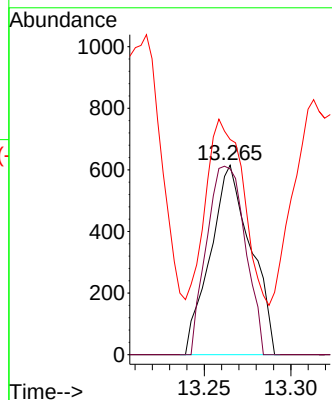
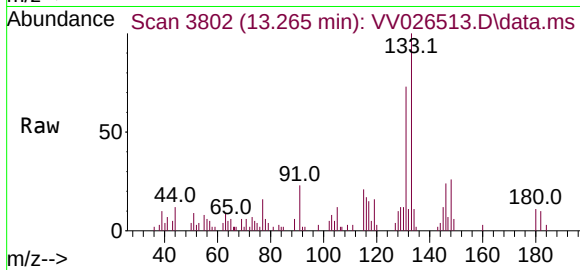




#70
1,2,4-trichlorobenzene
Concen: 0.069 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.006 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

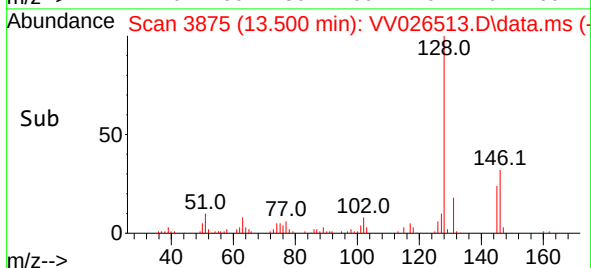
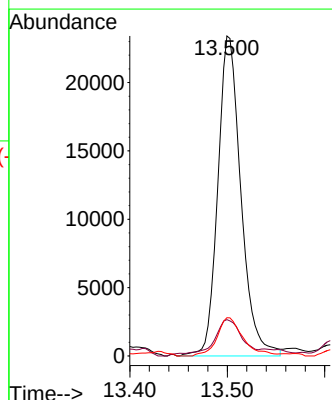
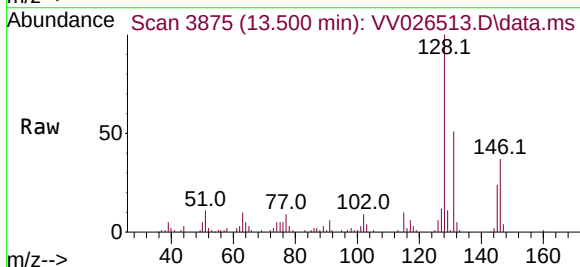
Instrument :
MSVOA_V
ClientSampleId :
C0AA2

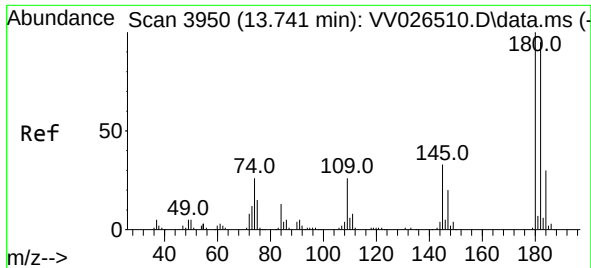
Tgt Ion:180 Resp: 1001
Ion Ratio Lower Upper
180 100
182 94.5 75.2 112.8
145 89.9 24.4 36.6#



#71
Naphthalene
Concen: 2.036 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. -0.000 min
Lab File: VV026513.D
Acq: 23 Jun 2022 14:45

Tgt Ion:128 Resp: 38613
Ion Ratio Lower Upper
128 100
129 14.0 8.6 12.8#
127 13.4 10.2 15.4





#72
 1,2,3-Trichlorobenzene
 Concen: 0.059 ug/L
 RT: 13.741 min Scan# 3950
 Delta R.T. -0.000 min
 Lab File: VV026513.D
 Acq: 23 Jun 2022 14:45

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA2

Tgt Ion:180 Resp: 705
 Ion Ratio Lower Upper
 180 100
 182 112.1 76.8 115.2
 145 1491.3 25.8 38.6#

