

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070122\
 Data File : VW026620.D
 Acq On : 01 Jul 2022 11:05
 Operator : SY/MD
 Sample : N3555-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA8

Quant Time: Jul 04 02:02:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jul 04 02:01:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	192136	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	186367	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	89742	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	59074	3.823	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.400%
7) Chloroethane-d5	1.580	69	54088	4.357	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.200%
11) 1,1-Dichloroethene-d2	2.121	63	83672	3.047	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.000%
20) 2-Butanone-d5	3.934	46	83750	54.517	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.040%
24) Chloroform-d	4.362	84	121351	4.804	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	5.047	65	49056	5.042	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
32) Benzene-d6	5.063	84	220054	4.111	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	6.079	67	68670	4.665	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.320	98	171587	3.564	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.200%
43) trans-1,3-Dichloroprop...	7.632	79	17498	4.599	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.095	63	67772	46.762	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.520%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	49235	5.113	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	70653	4.757	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	1552	0.097	ug/L	84
5) Vinyl chloride	1.323	62	783	0.046	ug/L #	1
6) Bromomethane	1.539	94	485	0.053	ug/L	78
8) Chloroethane	1.648	64	21059	1.818	ug/L #	54
14) Carbon disulfide	2.307	76	2557	0.075	ug/L	99
22) cis-1,2-Dichloroethene	3.937	96	701	0.053	ug/L	82
33) Benzene	5.114	78	3390	0.062	ug/L	100
35) Methylcyclohexane	6.133	83	1173	0.055	ug/L #	29
37) 1,2-Dichloropropane	6.079	63	7225	0.551	ug/L #	85
39) cis-1,3-Dichloropropene	6.992	75	1256	0.095	ug/L #	59
45) 1,1,2-Trichloroethane	7.715	97	866	0.105	ug/L #	16
52) Ethylbenzene	9.014	91	27055	0.466	ug/L	98
53) m,p-Xylene	9.146	106	7462	0.329	ug/L	99
54) o-Xylene	9.554	106	2686	0.126	ug/L	94
60) Isopropylbenzene	9.931	105	162270	2.932	ug/L	99
61) 1,2,3-Trichloropropane	9.931	75	1823	0.314	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.336	105	5673	0.130	ug/L	98
63) 1,2,4-Trimethylbenzene	11.336	105	5673	0.132	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	152	0.146	ug/L #	1

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C0AA8

Quant Time: Jul 04 02:02:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Jul 04 02:01:03 2022
Response via : Initial Calibration

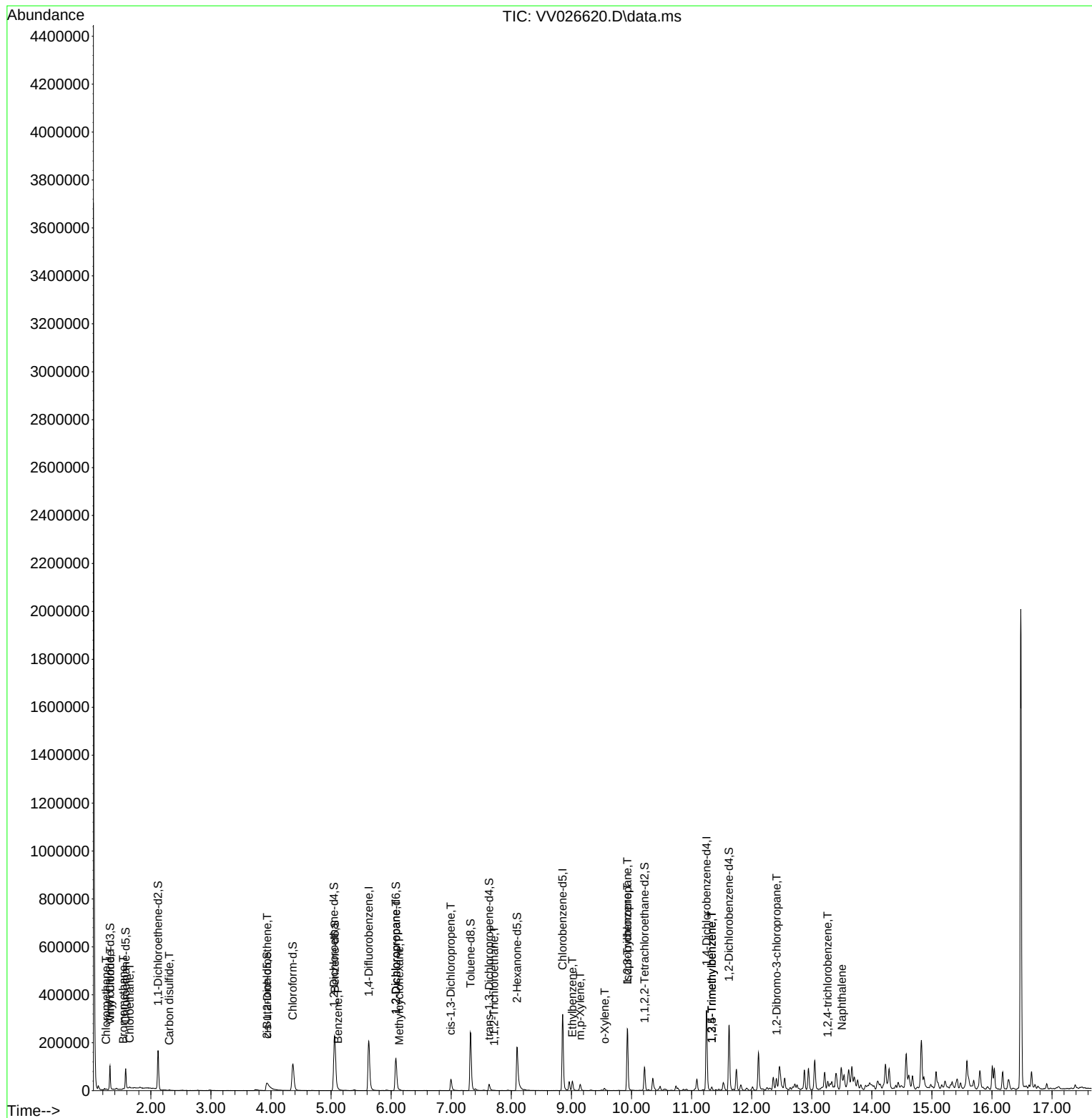
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.265	180	877	0.064	ug/L #	55
71) Naphthalene	13.503	128	17965	1.007	ug/L #	87

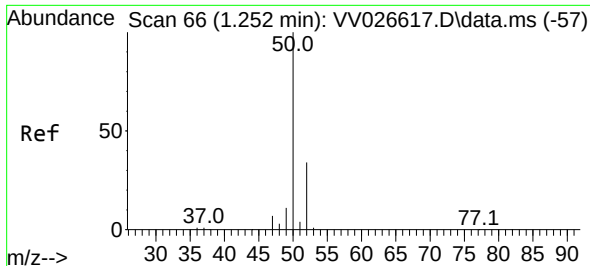
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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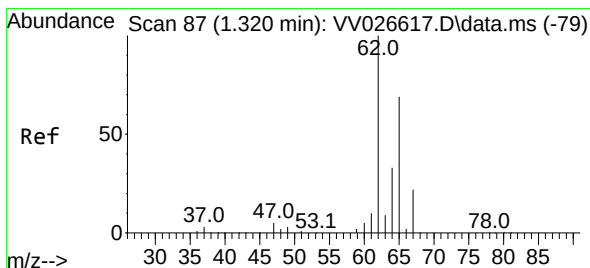
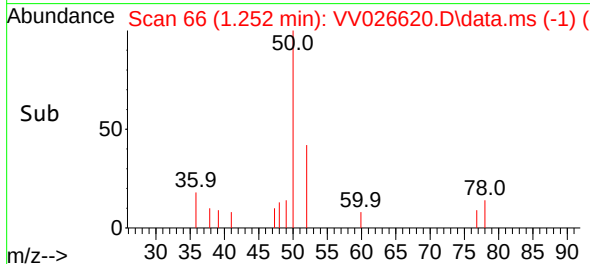
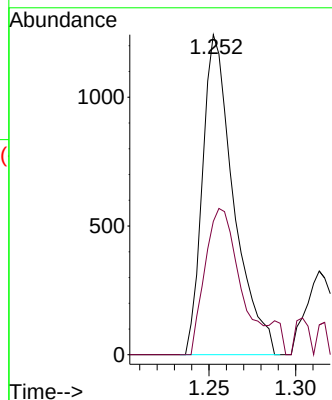
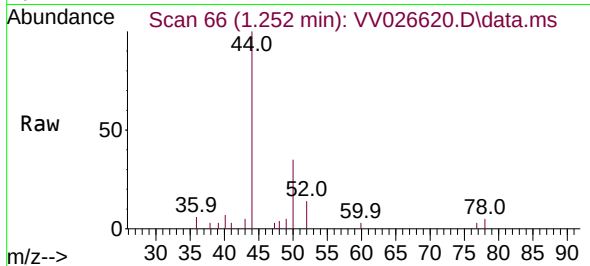




#3
Chloromethane
Concen: 0.097 ug/L
RT: 1.252 min Scan# 60
Delta R.T. 0.000 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

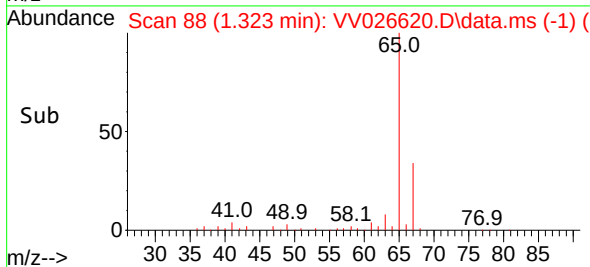
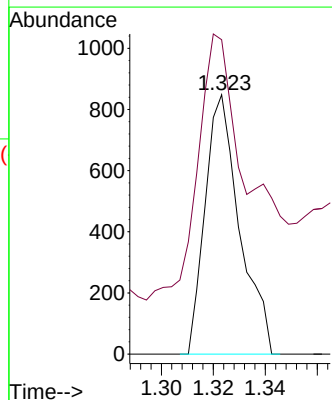
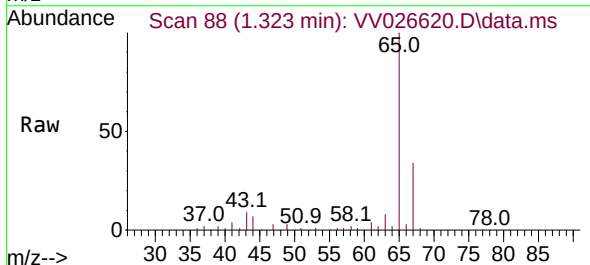
Instrument :
MSVOA_V
ClientSampleId :
C0AA8

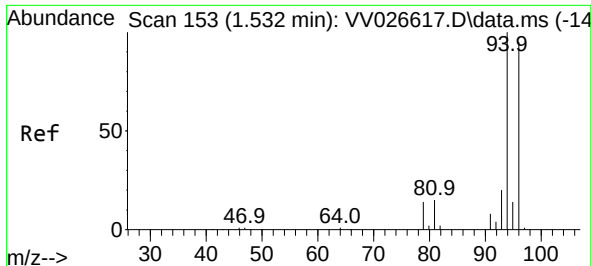
Tgt Ion: 50 Resp: 1552
Ion Ratio Lower Upper
50 100
52 41.7 23.0 42.6



#5
Vinyl chloride
Concen: 0.046 ug/L
RT: 1.323 min Scan# 88
Delta R.T. 0.003 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

Tgt Ion: 62 Resp: 783
Ion Ratio Lower Upper
62 100
64 121.2 26.2 48.6#

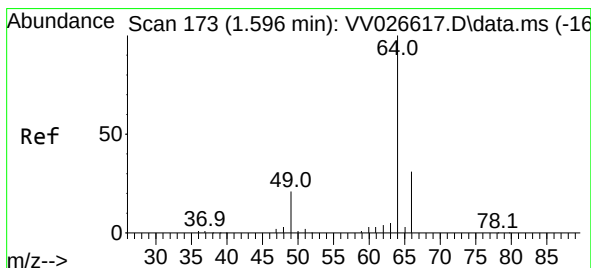
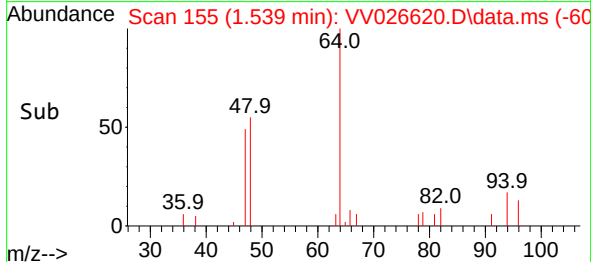
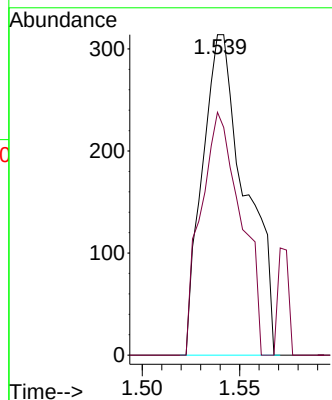
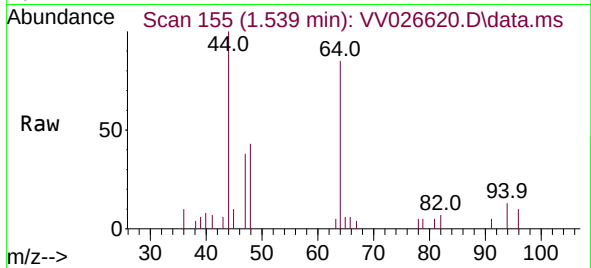




#6
Bromomethane
Concen: 0.053 ug/L
RT: 1.539 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

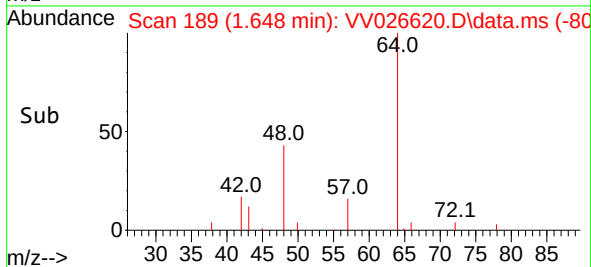
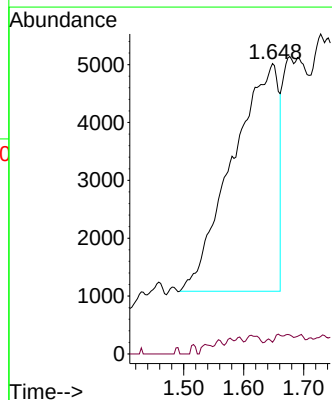
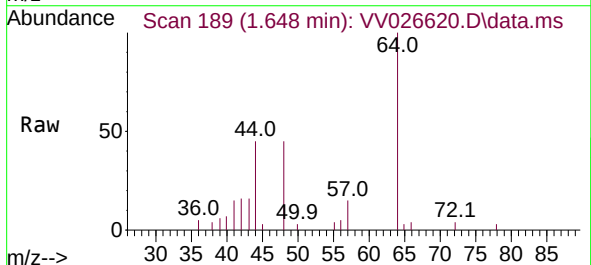
Instrument :
MSVOA_V
ClientSampleId :
C0AA8

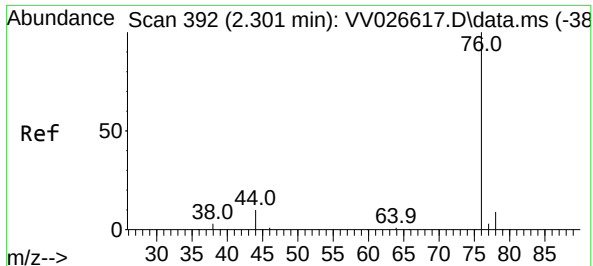
Tgt Ion: 94 Resp: 485
Ion Ratio Lower Upper
94 100
96 75.8 68.0 126.2



#8
Chloroethane
Concen: 1.818 ug/L
RT: 1.648 min Scan# 189
Delta R.T. 0.051 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

Tgt Ion: 64 Resp: 21059
Ion Ratio Lower Upper
64 100
66 4.0 20.0 37.2#





#14

Carbon disulfide

Concen: 0.075 ug/L

RT: 2.307 min Scan# 392

Delta R.T. 0.006 min

Lab File: VV026620.D

Acq: 01 Jul 2022 11:05

Instrument :

MSVOA_V

ClientSampleId :

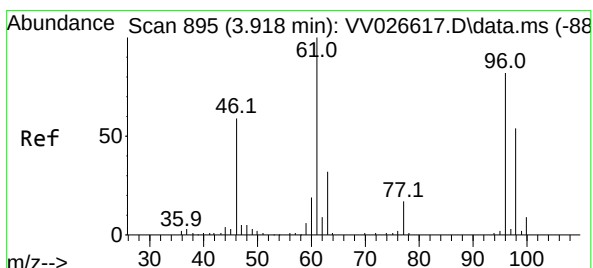
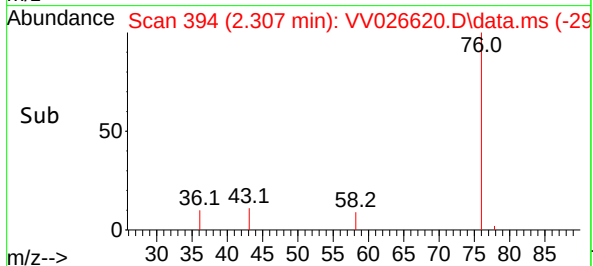
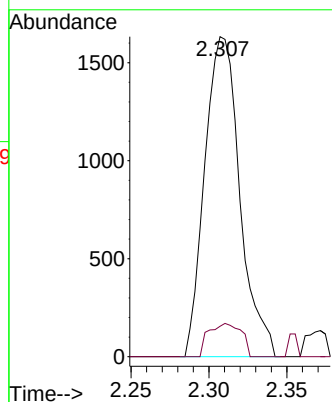
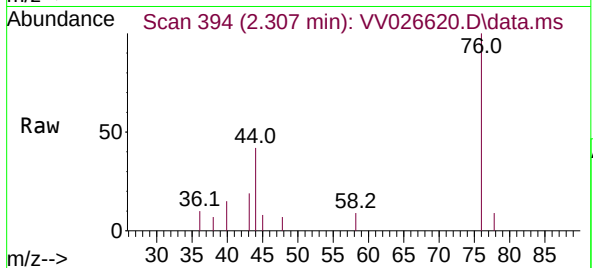
C0AA8

Tgt Ion: 76 Resp: 2557

Ion Ratio Lower Upper

76 100

78 9.5 7.8 11.6



#22

cis-1,2-Dichloroethene

Concen: 0.053 ug/L

RT: 3.937 min Scan# 901

Delta R.T. 0.019 min

Lab File: VV026620.D

Acq: 01 Jul 2022 11:05

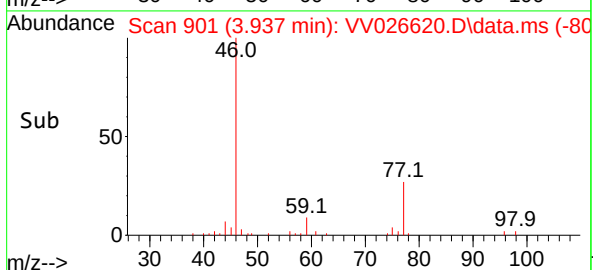
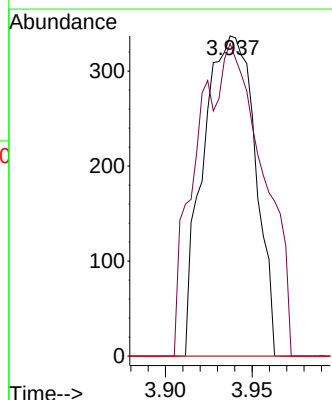
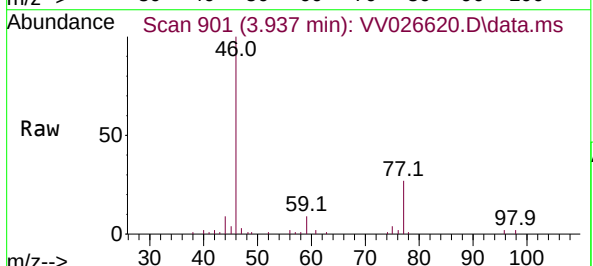
Tgt Ion: 96 Resp: 701

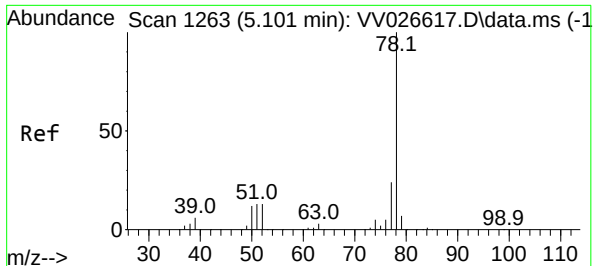
Ion Ratio Lower Upper

96 100

61 97.6 82.0 152.2

68 0.0 0.0 0.0

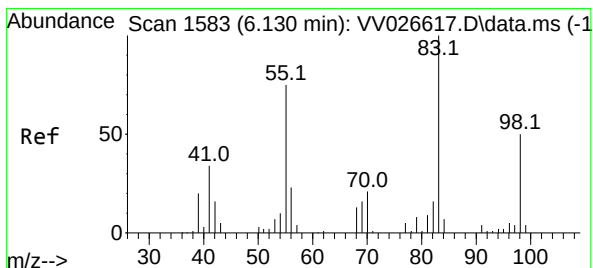
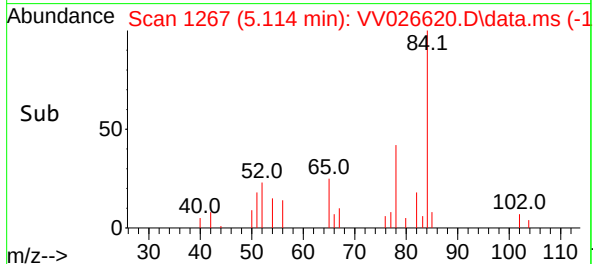
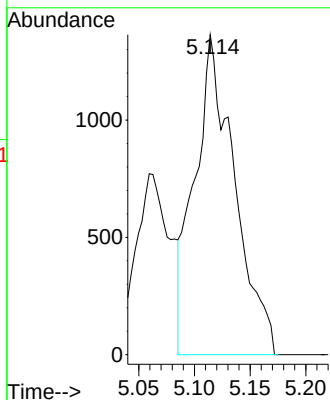
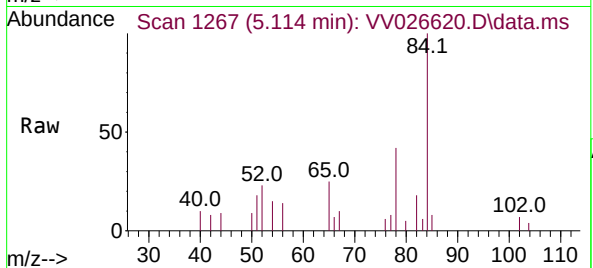




#33
Benzene
Concen: 0.062 ug/L
RT: 5.114 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

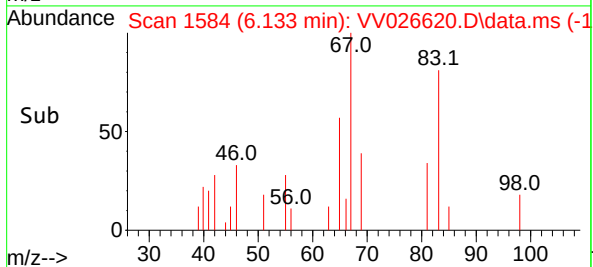
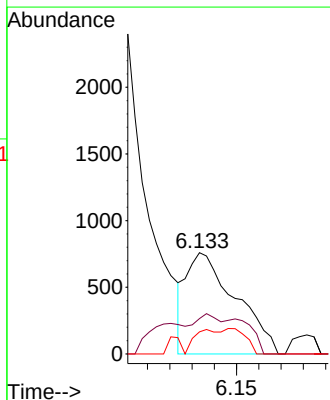
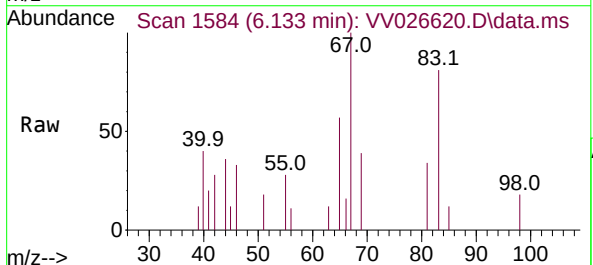
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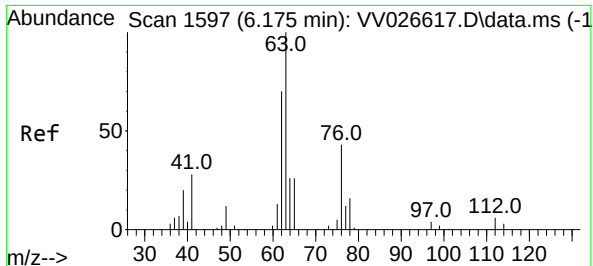
Tgt Ion: 78 Resp: 3390



#35
Methylcyclohexane
Concen: 0.055 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. 0.003 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

Tgt Ion: 83 Resp: 1173
Ion Ratio Lower Upper
83 100
55 5.0 57.0 85.4#
98 10.4 39.8 59.8#





#37

1,2-Dichloropropane

Concen: 0.551 ug/L

RT: 6.079 min Scan# 11

Delta R.T. -0.096 min

Lab File: VV026620.D

Acq: 01 Jul 2022 11:05

Instrument :

MSVOA_V

ClientSampleId :

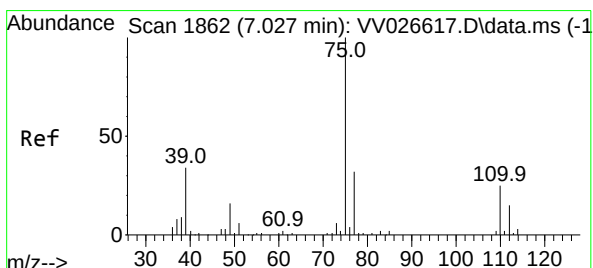
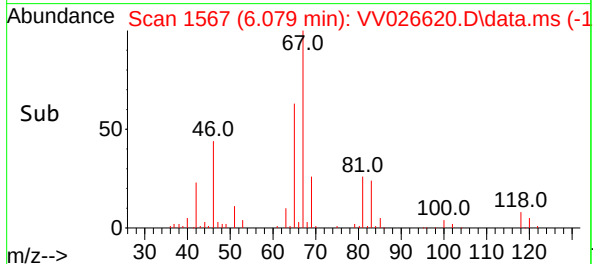
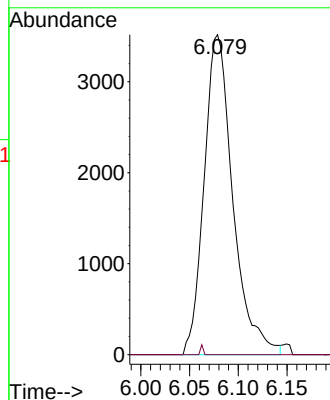
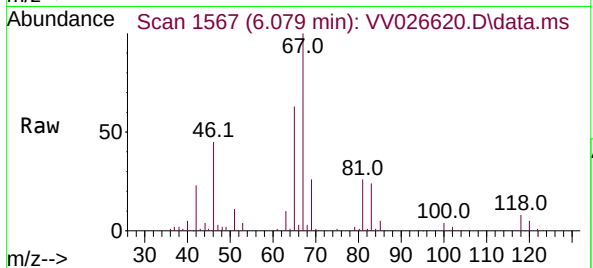
C0AA8

Tgt Ion: 63 Resp: 7225

Ion Ratio Lower Upper

63 100

112 0.3 4.2 6.4#



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.035 min

Lab File: VV026620.D

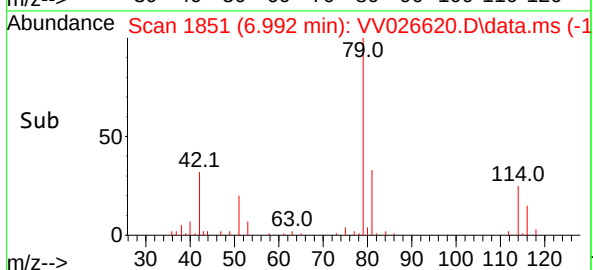
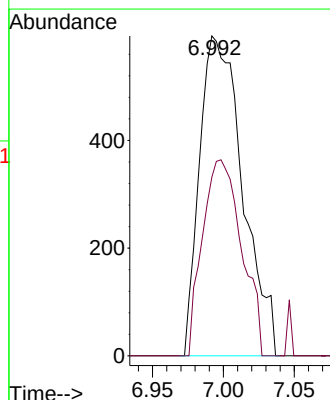
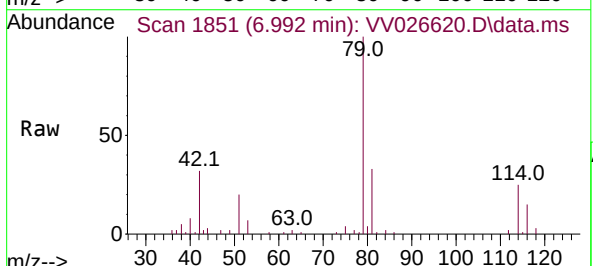
Acq: 01 Jul 2022 11:05

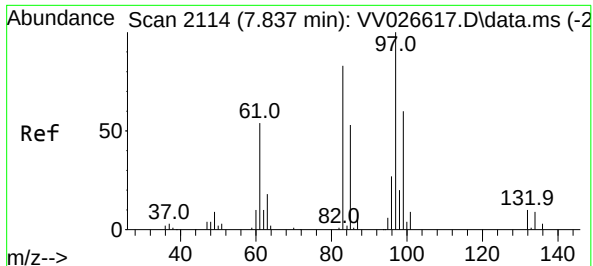
Tgt Ion: 75 Resp: 1256

Ion Ratio Lower Upper

75 100

77 55.9 22.8 42.4#

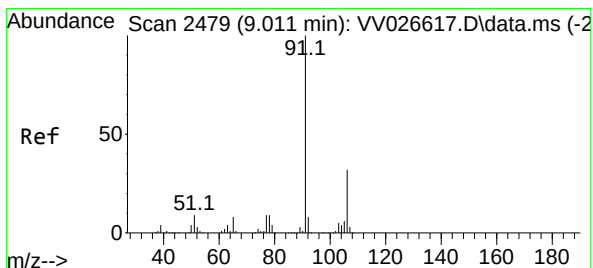
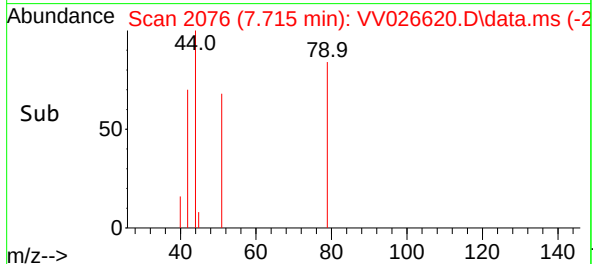
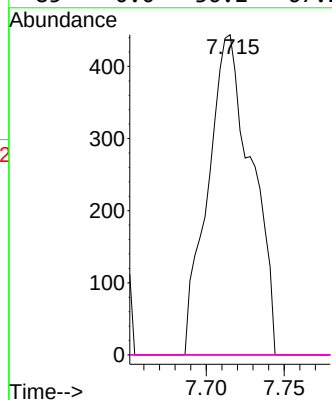
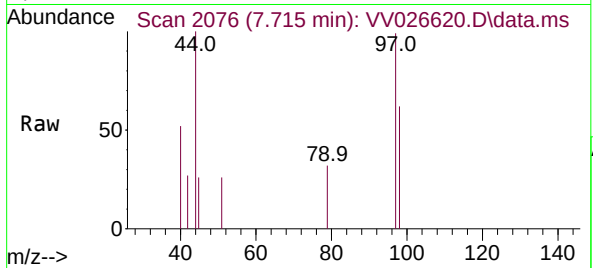




#45
 1,1,2-Trichloroethane
 Concen: 0.105 ug/L
 RT: 7.715 min Scan# 2076
 Delta R.T. -0.122 min
 Lab File: VV026620.D
 Acq: 01 Jul 2022 11:05

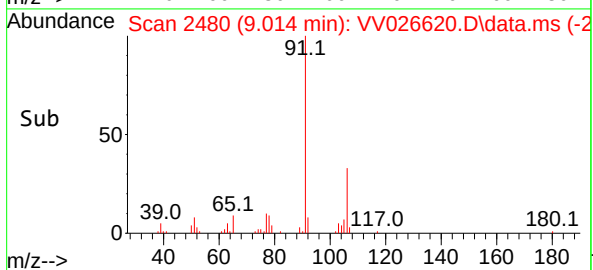
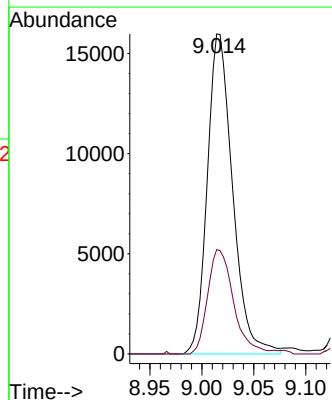
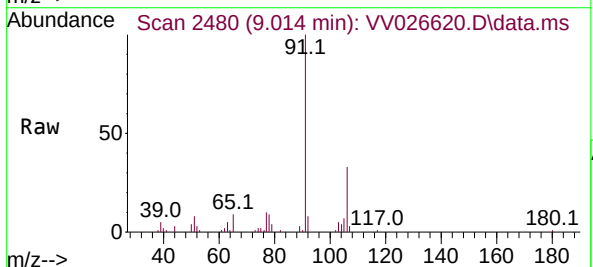
Instrument :
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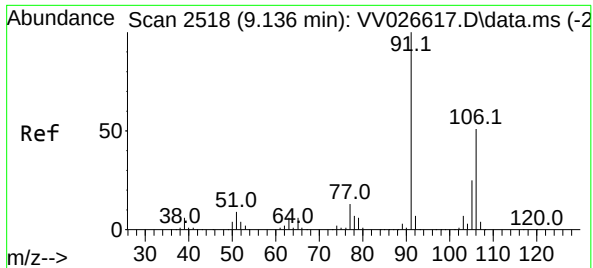
Tgt Ion: 97	Resp:	866
Ion	Ratio	Lower Upper
97	100	
99	0.0	43.4 80.6#
83	0.0	58.0 107.8#
85	0.0	36.2 67.2#



#52
 Ethylbenzene
 Concen: 0.466 ug/L
 RT: 9.014 min Scan# 2480
 Delta R.T. 0.003 min
 Lab File: VV026620.D
 Acq: 01 Jul 2022 11:05

Tgt Ion: 91	Resp:	27055
Ion	Ratio	Lower Upper
91	100	
106	32.6	22.1 41.1

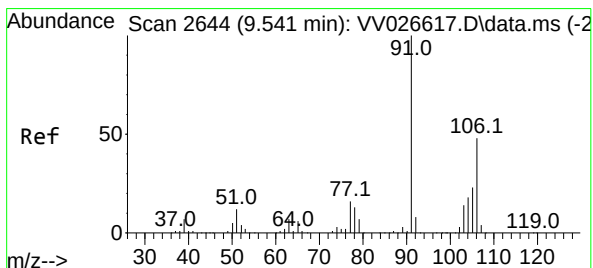
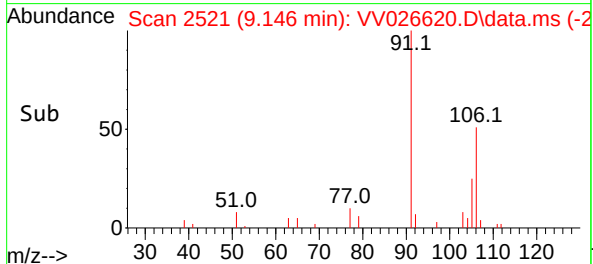
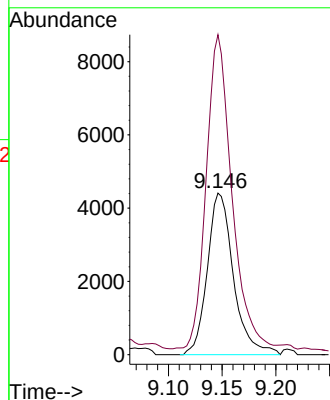
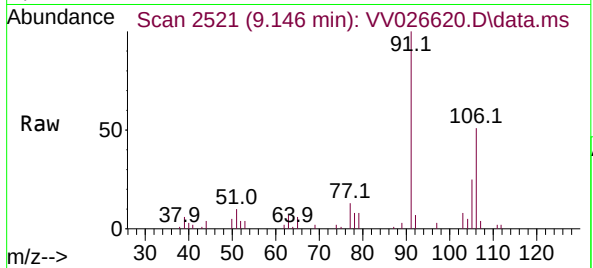




#53
m,p-Xylene
Concen: 0.329 ug/L
RT: 9.146 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

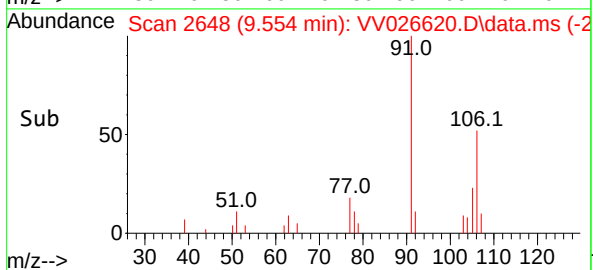
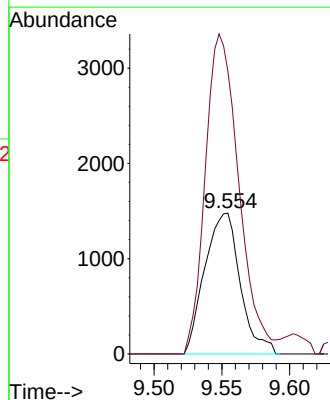
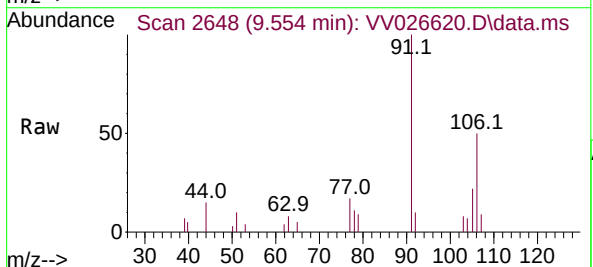
Instrument :
MSVOA_V
ClientSampleId :
C0AA8

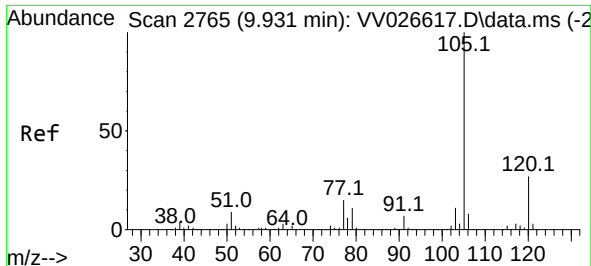
Tgt Ion:106 Resp: 7462
Ion Ratio Lower Upper
106 100
91 197.9 139.9 259.9



#54
o-Xylene
Concen: 0.126 ug/L
RT: 9.554 min Scan# 2648
Delta R.T. 0.013 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

Tgt Ion:106 Resp: 2686
Ion Ratio Lower Upper
106 100
91 200.8 147.5 273.9

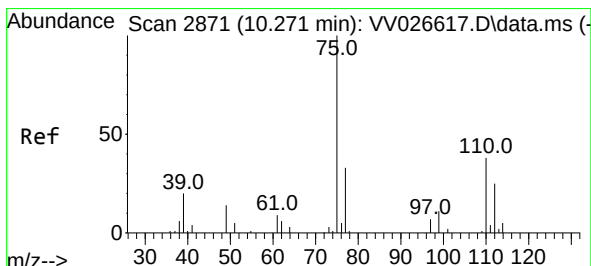
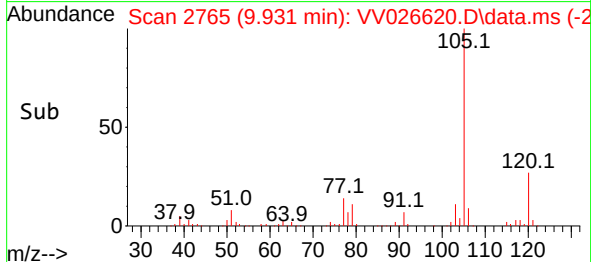
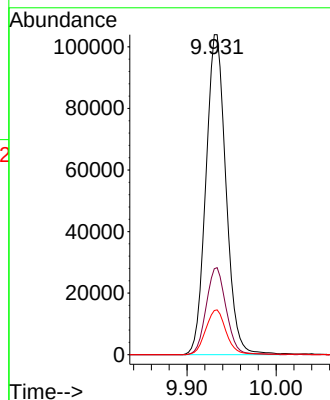
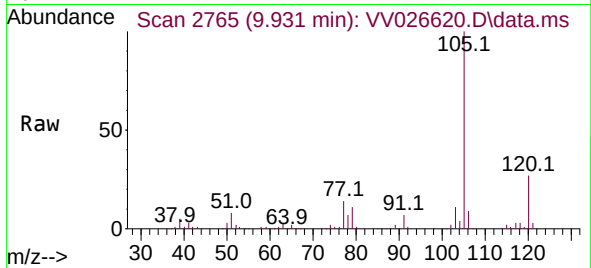




#60
Isopropylbenzene
Concen: 2.932 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

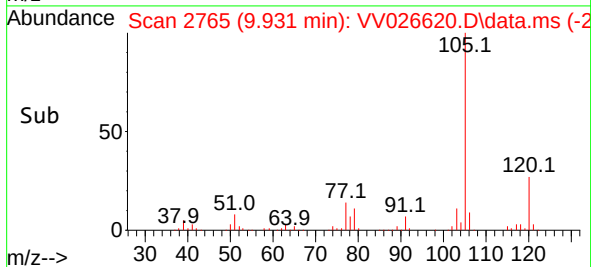
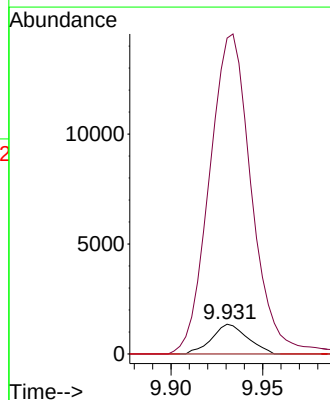
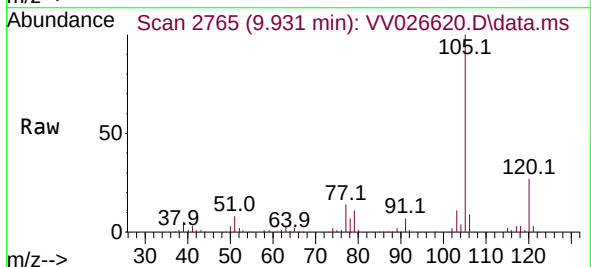
Instrument :
MSVOA_V
ClientSampleId :
C0AA8

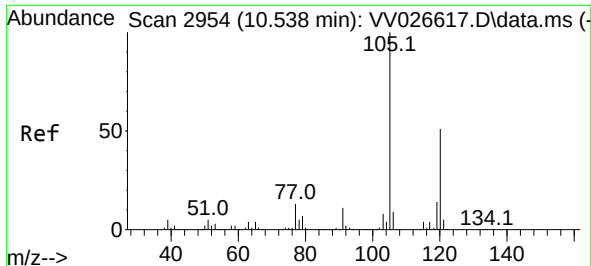
Tgt Ion:105 Resp: 162270
Ion Ratio Lower Upper
105 100
120 27.1 21.4 32.2
77 14.4 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 0.314 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.341 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

Tgt Ion: 75 Resp: 1823
Ion Ratio Lower Upper
75 100
77 1279.8 25.8 38.6#
110 0.0 32.5 48.7#

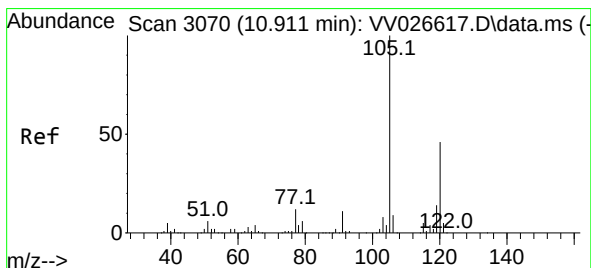
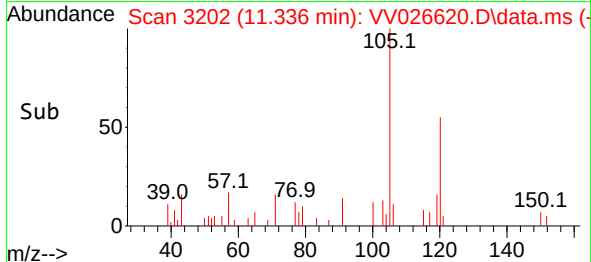
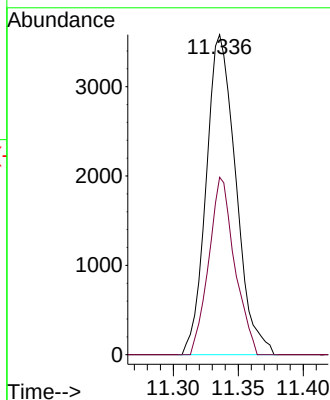
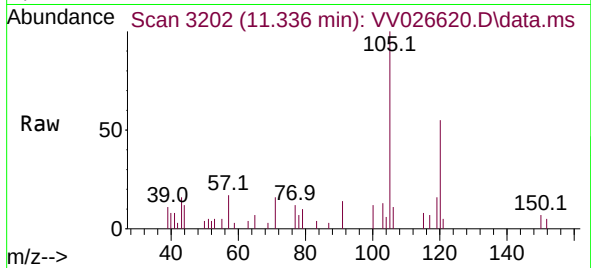




#62
 1,3,5-Trimethylbenzene
 Concen: 0.130 ug/L
 RT: 11.336 min Scan# 31
 Delta R.T. 0.797 min
 Lab File: VV026620.D
 Acq: 01 Jul 2022 11:05

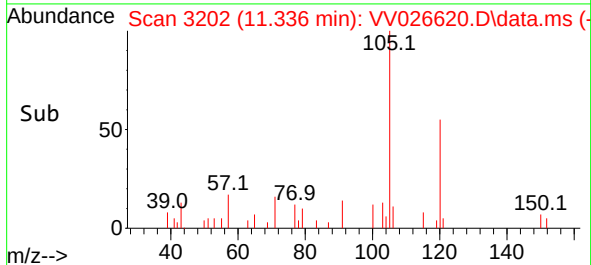
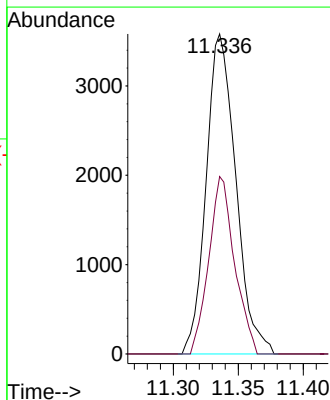
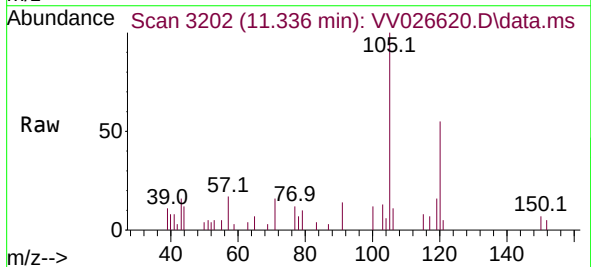
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA8

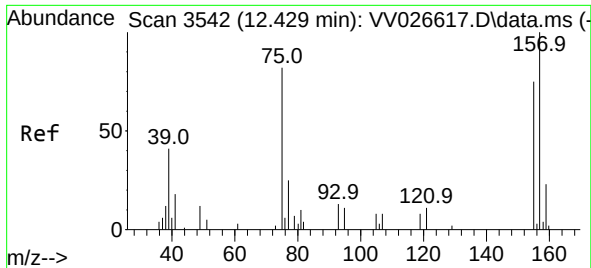
Tgt Ion:105 Resp: 5673
 Ion Ratio Lower Upper
 105 100
 120 48.2 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 0.132 ug/L
 RT: 11.336 min Scan# 3202
 Delta R.T. 0.424 min
 Lab File: VV026620.D
 Acq: 01 Jul 2022 11:05

Tgt Ion:105 Resp: 5673
 Ion Ratio Lower Upper
 105 100
 120 48.2 37.4 56.2

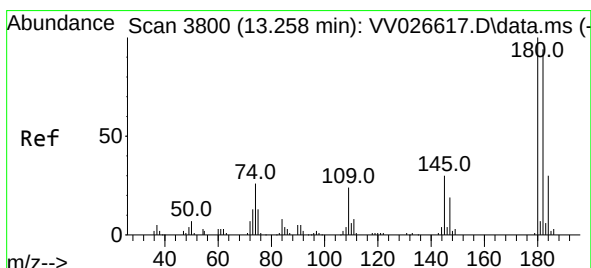
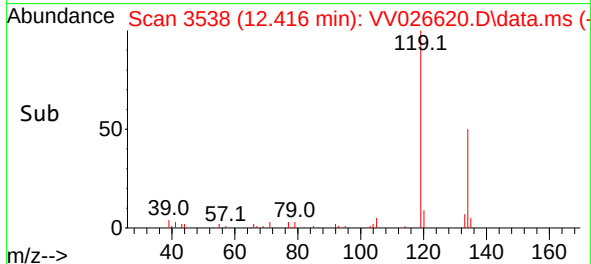
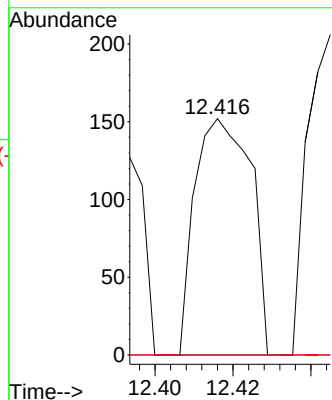
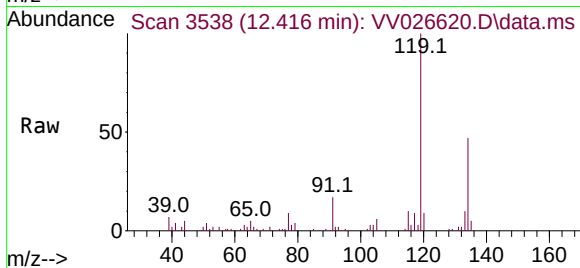




#68
1,2-Dibromo-3-chloropropane
Concen: 0.146 ug/L
RT: 12.416 min Scan# 311
Delta R.T. -0.013 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

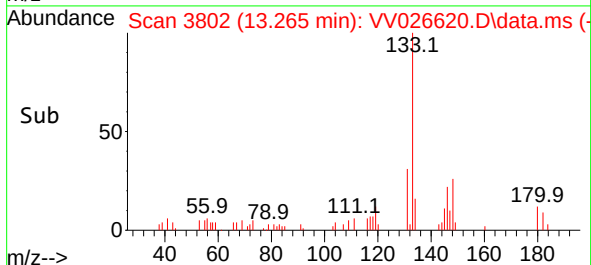
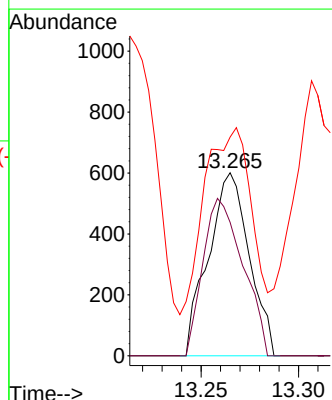
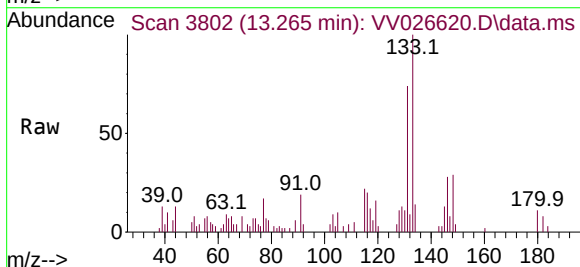
Instrument :
MSVOA_V
ClientSampleId :
C0AA8

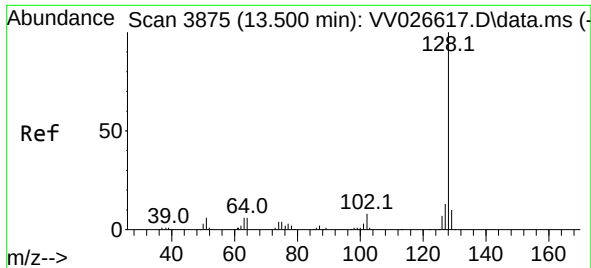
Tgt Ion: 75 Resp: 152
Ion Ratio Lower Upper
75 100
155 0.0 74.7 112.1#
157 0.0 96.9 145.3#



#70
1,2,4-trichlorobenzene
Concen: 0.064 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.006 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

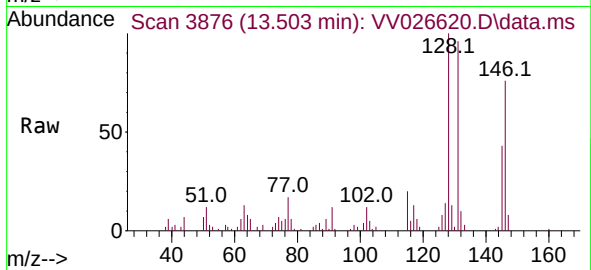
Tgt Ion: 180 Resp: 877
Ion Ratio Lower Upper
180 100
182 84.0 75.2 112.8
145 114.1 24.4 36.6#





#71
Naphthalene
Concen: 1.007 ug/L
RT: 13.503 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV026620.D
Acq: 01 Jul 2022 11:05

Instrument :
MSVOA_V
ClientSampleId :
C0AA8



Tgt Ion:	128	Resp:	17965
Ion Ratio	Lower	Upper	
128	100		
129	19.4	8.6	12.8#
127	11.2	10.2	15.4

