

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062022\
 Data File : VW026456.D
 Acq On : 20 Jun 2022 19:25
 Operator : SY/MD
 Sample : N3385-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 21 05:39:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 21 05:26:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	136980	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	129720	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62800	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	59502	5.001	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 100.000%	
7) Chloroethane-d5	1.584	69	50935	5.445	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 108.800%	
11) 1,1-Dichloroethene-d2	2.124	63	87407	4.278	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 85.600%	
20) 2-Butanone-d5	3.937	46	62094	53.486	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 106.980%	
24) Chloroform-d	4.365	84	109448	6.276	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 125.600%#	
26) 1,2-Dichloroethane-d4	5.043	65	45679	6.191	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 123.800%	
32) Benzene-d6	5.063	84	217683	6.277	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 125.600%#	
36) 1,2-Dichloropropane-d6	6.079	67	65779	6.499	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 130.000%	
41) Toluene-d8	7.320	98	179744	5.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 113.600%	
43) trans-1,3-Dichloroprop...	7.632	79	11119	3.388	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 67.800%	
46) 2-Hexanone-d5	8.095	63	53409	53.869	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 107.740%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40030	6.420	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 128.400%#	
66) 1,2-Dichlorobenzene-d4	11.625	152	64957	6.715	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 134.400%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.256	50	1372	0.121	ug/L	98
5) Vinyl chloride	1.326	62	901	0.076	ug/L #	1
6) Bromomethane	1.542	94	423	0.064	ug/L	92
8) Chloroethane	1.564	64	33784	4.603	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	844	0.089	ug/L #	21
12) 1,1-Dichloroethene	2.121	96	756	0.087	ug/L #	1
14) Carbon disulfide	2.310	76	3126	0.147	ug/L #	89
17) Methyl tert-butyl Ether	2.793	73	525	0.035	ug/L #	44
22) cis-1,2-Dichloroethene	3.941	96	668	0.079	ug/L	98
25) Chloroform	4.391	83	1332	0.077	ug/L	94
33) Benzene	5.117	78	14863	0.447	ug/L	100
35) Methylcyclohexane	6.079	83	14762	1.175	ug/L #	20
37) 1,2-Dichloropropane	6.079	63	7059	0.812	ug/L #	88
39) cis-1,3-Dichloropropene	6.998	75	685	0.069	ug/L #	46
42) Toluene	7.403	91	9107	0.260	ug/L	85
52) Ethylbenzene	9.014	91	123731	3.529	ug/L	98
53) m,p-Xylene	9.143	106	13219	0.967	ug/L	95
54) o-Xylene	9.548	106	4537	0.343	ug/L	85
60) Isopropylbenzene	9.931	105	179320	5.356	ug/L	99

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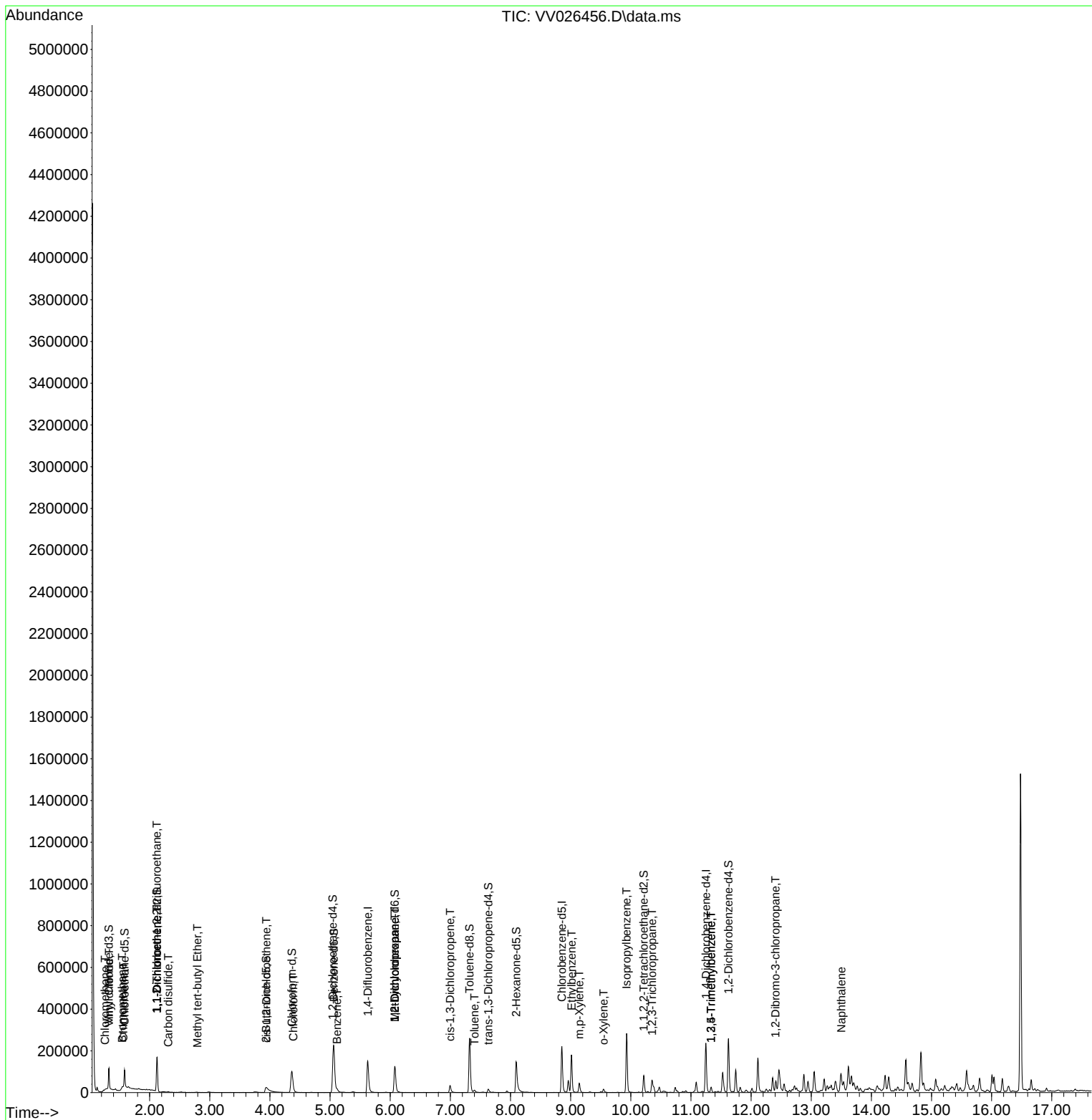
Instrument :
 MSVOA_V
 ClientSampleId :

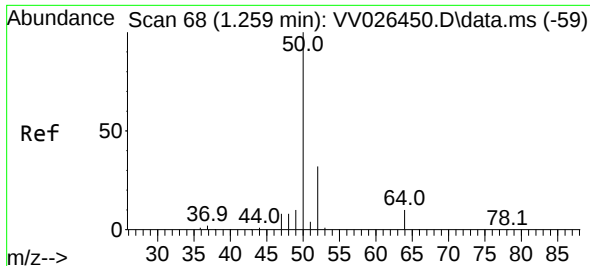
Quant Time: Jun 21 05:39:35 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.355	75	255	0.063	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.336	105	12654	0.476	ug/L	89
63) 1,2,4-Trimethylbenzene	11.336	105	12654	0.481	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.406	75	136	0.188	ug/L #	3
71) Naphthalene	13.503	128	31856	2.615	ug/L #	94

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

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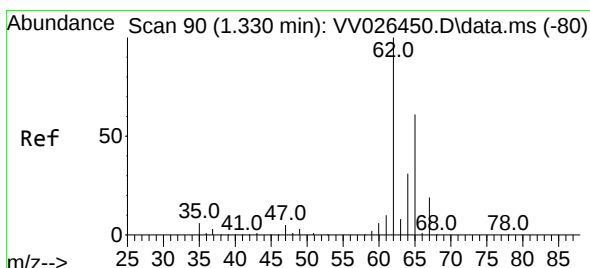
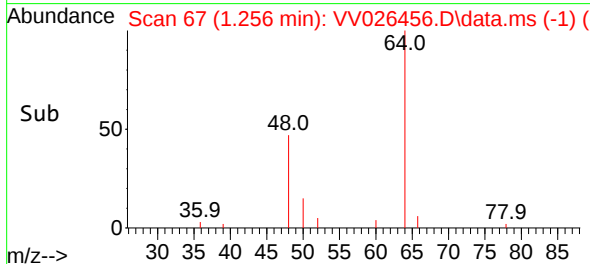
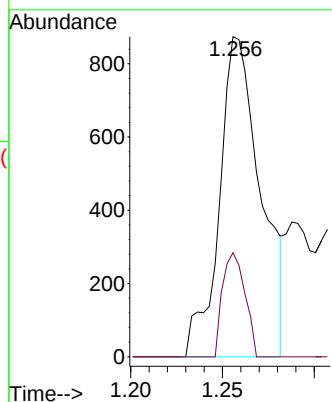
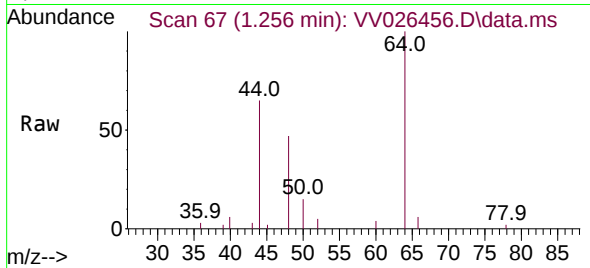




#3
Chloromethane
Concen: 0.121 ug/L
RT: 1.256 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

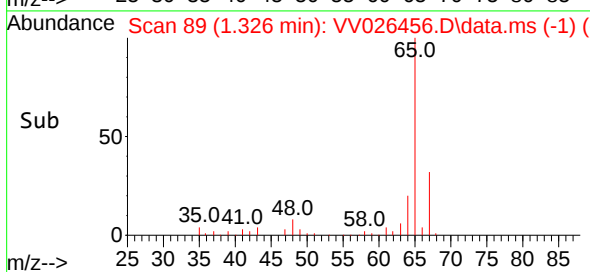
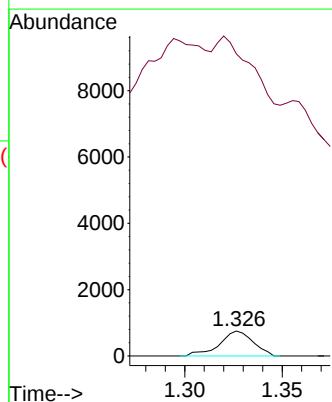
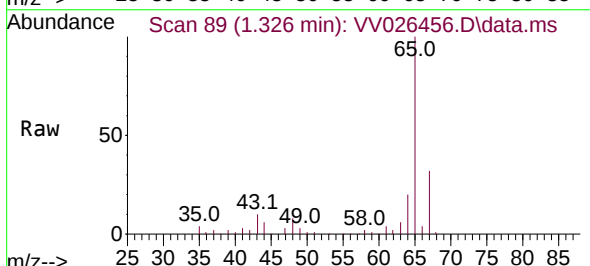
Instrument :
MSVOA_V
ClientSampleId :

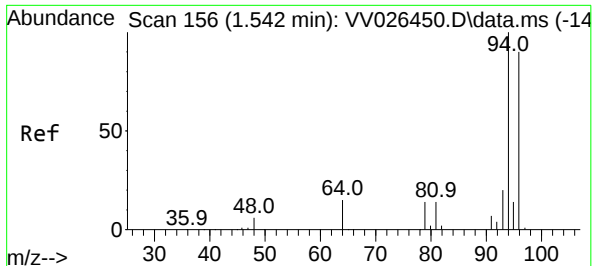
Tgt Ion: 50 Resp: 1372
Ion Ratio Lower Upper
50 100
52 32.5 23.7 44.1



#5
Vinyl chloride
Concen: 0.076 ug/L
RT: 1.326 min Scan# 89
Delta R.T. -0.003 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

Tgt Ion: 62 Resp: 901
Ion Ratio Lower Upper
62 100
64 1208.4 23.2 43.2#

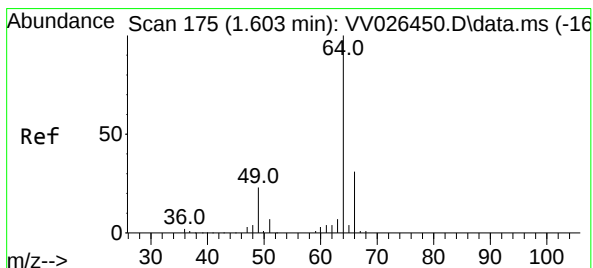
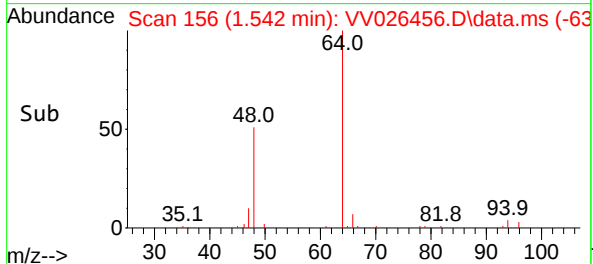
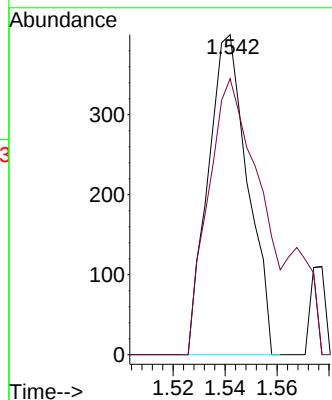
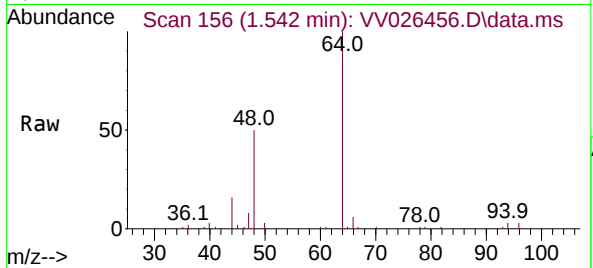




#6
Bromomethane
Concen: 0.064 ug/L
RT: 1.542 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

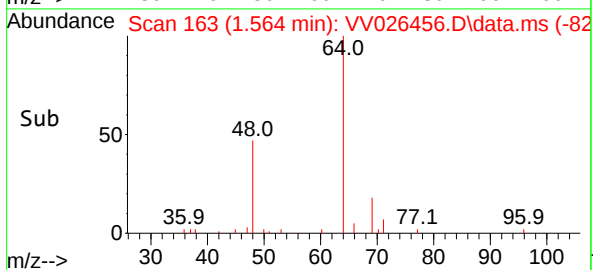
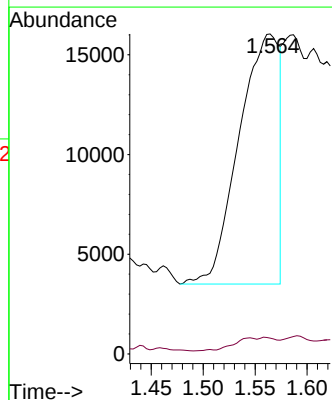
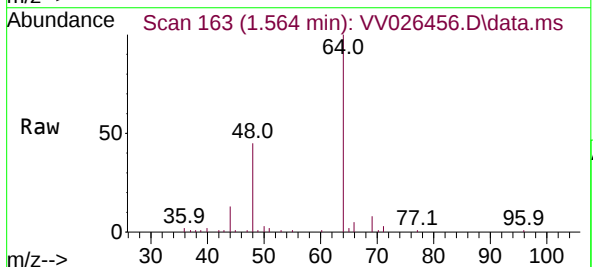
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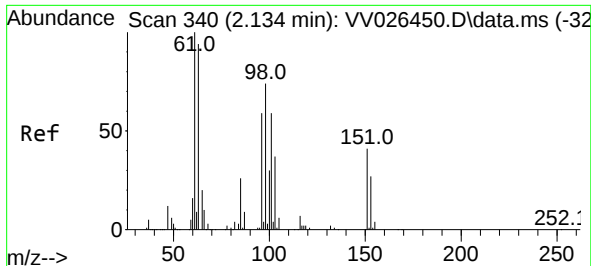
Tgt Ion: 94 Resp: 423
Ion Ratio Lower Upper
94 100
96 86.3 65.7 121.9



#8
Chloroethane
Concen: 4.603 ug/L
RT: 1.564 min Scan# 163
Delta R.T. -0.039 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

Tgt Ion: 64 Resp: 33784
Ion Ratio Lower Upper
64 100
66 4.9 24.1 44.7#

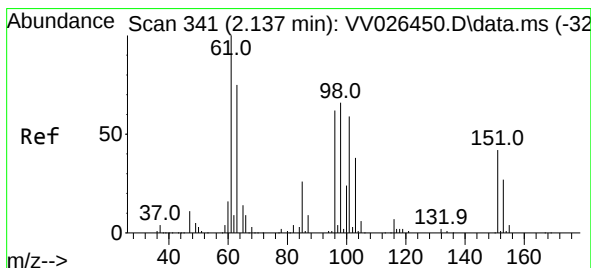
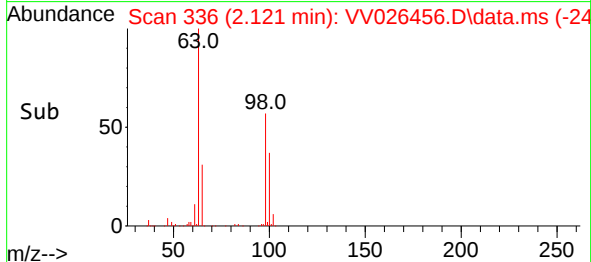
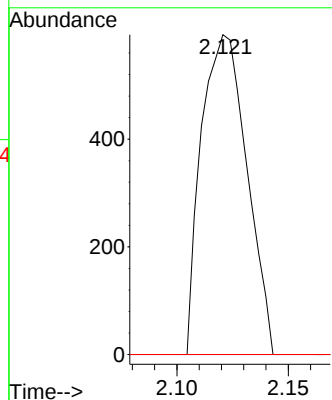
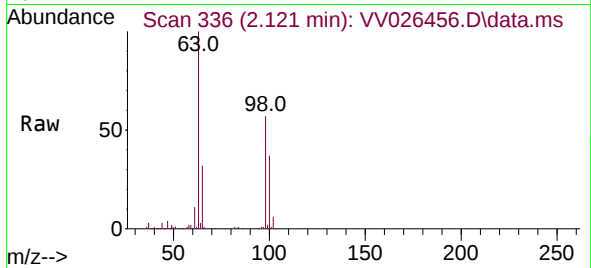




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.089 ug/L
RT: 2.121 min Scan# 336
Delta R.T. -0.013 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

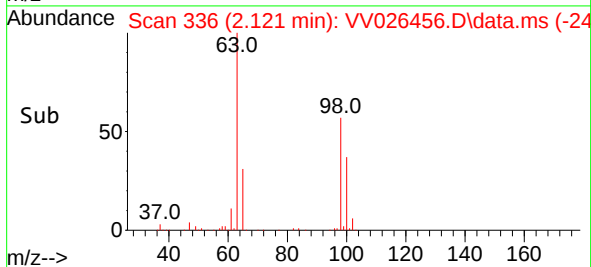
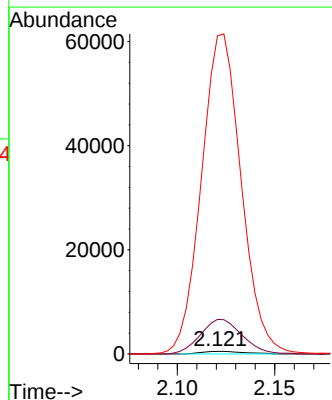
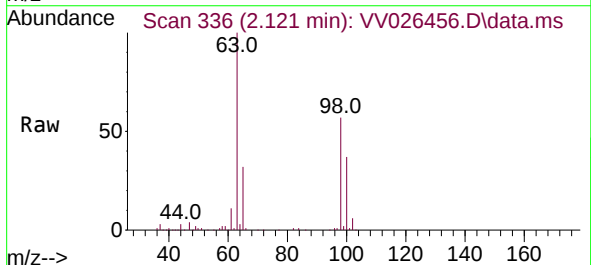
Instrument :
MSVOA_V
ClientSampleId :

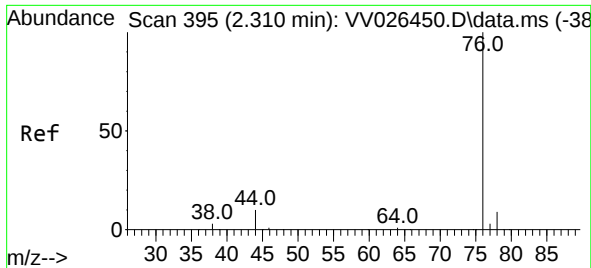
Tgt Ion:101 Resp: 844
Ion Ratio Lower Upper
101 100
85 0.0 35.3 52.9#
151 0.0 56.8 85.2#



#12
1,1-Dichloroethene
Concen: 0.087 ug/L
RT: 2.121 min Scan# 336
Delta R.T. -0.016 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

Tgt Ion: 96 Resp: 756
Ion Ratio Lower Upper
96 100
61 1304.1 117.1 217.5#
63 12022.0 92.8 172.4#





#14

Carbon disulfide

Concen: 0.147 ug/L

RT: 2.310 min Scan# 395

Delta R.T. -0.000 min

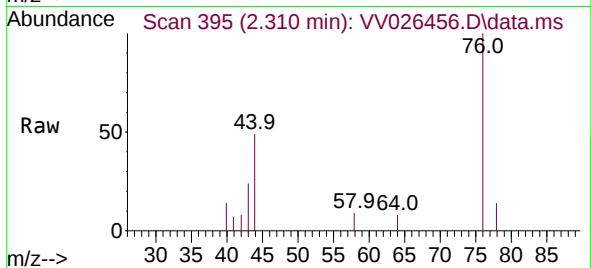
Lab File: VV026456.D

Acq: 20 Jun 2022 19:25

Instrument :

MSVOA_V

ClientSampleId :

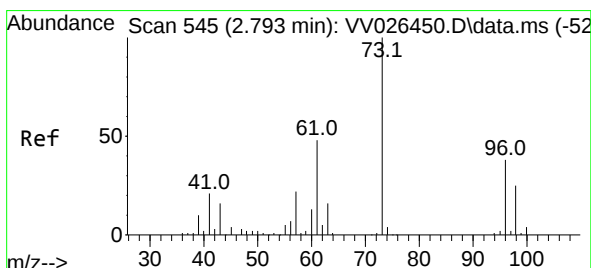
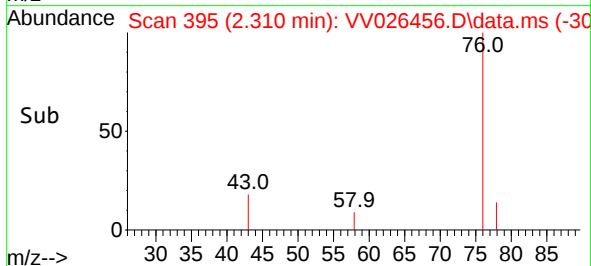
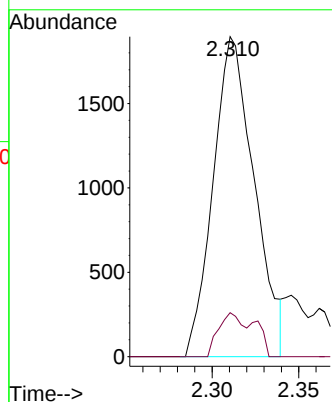


Tgt Ion: 76 Resp: 3126

Ion Ratio Lower Upper

76 100

78 13.8 7.7 11.5#



#17

Methyl tert-butyl Ether

Concen: 0.035 ug/L

RT: 2.793 min Scan# 545

Delta R.T. -0.000 min

Lab File: VV026456.D

Acq: 20 Jun 2022 19:25

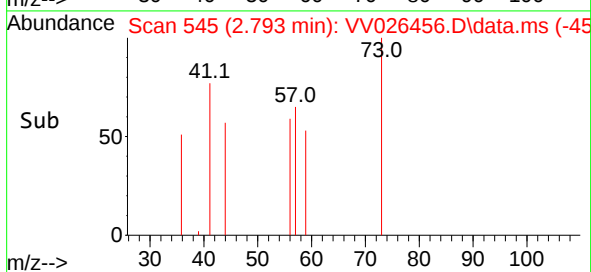
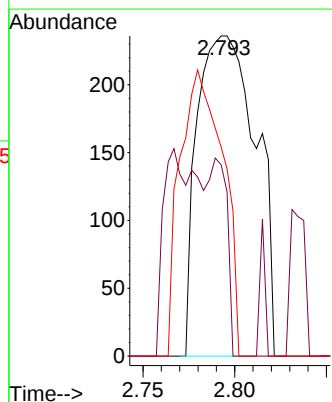
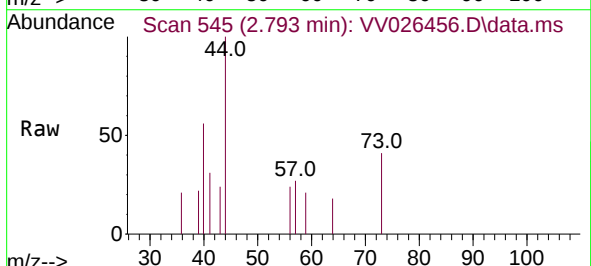
Tgt Ion: 73 Resp: 525

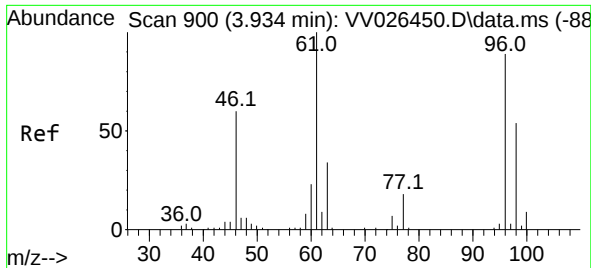
Ion Ratio Lower Upper

73 100

43 19.8 13.0 19.6#

57 65.3 17.6 26.4#

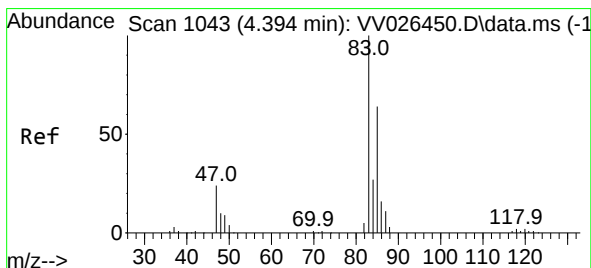
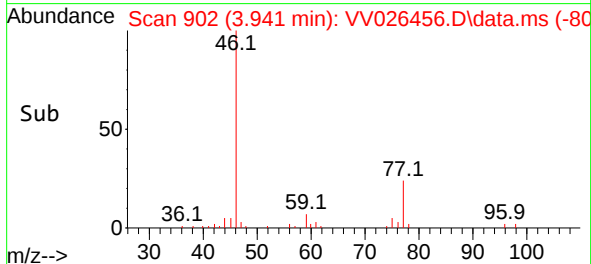
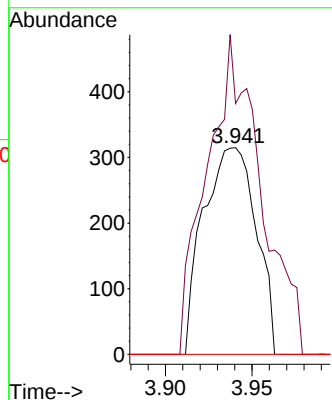
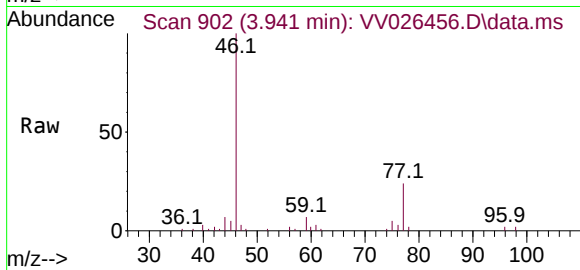




#22
 cis-1,2-Dichloroethene
 Concen: 0.079 ug/L
 RT: 3.941 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VV026456.D
 Acq: 20 Jun 2022 19:25

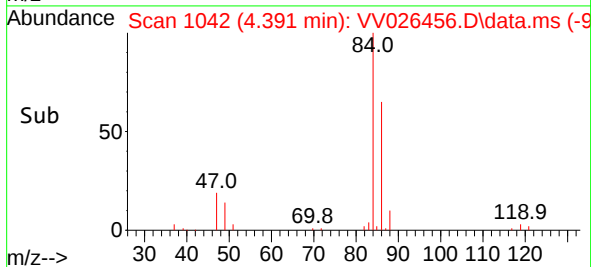
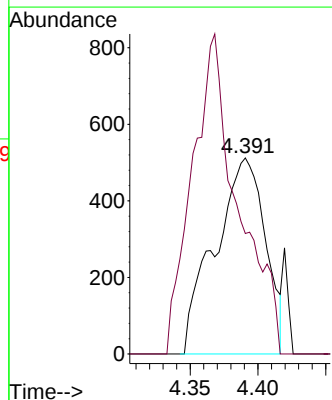
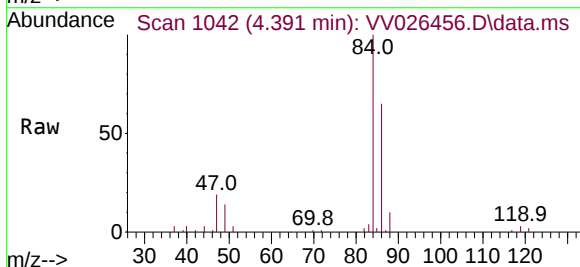
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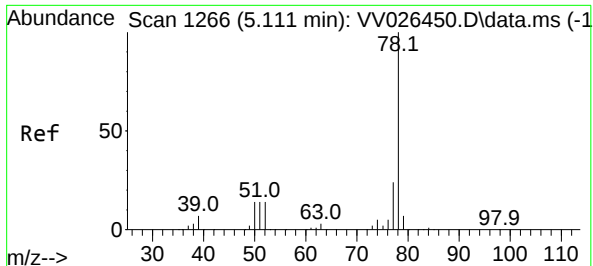
Tgt Ion: 96 Resp: 668
 Ion Ratio Lower Upper
 96 100
 61 121.3 83.6 155.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.077 ug/L
 RT: 4.391 min Scan# 1042
 Delta R.T. -0.003 min
 Lab File: VV026456.D
 Acq: 20 Jun 2022 19:25

Tgt Ion: 83 Resp: 1332
 Ion Ratio Lower Upper
 83 100
 85 61.5 46.5 86.3

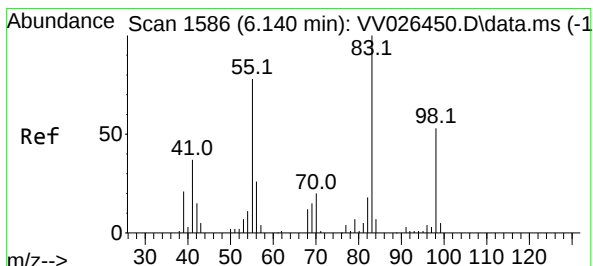
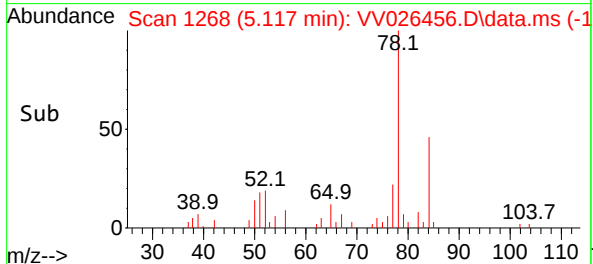
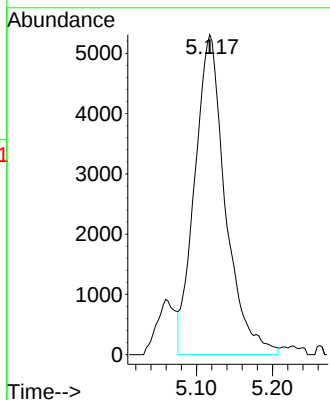
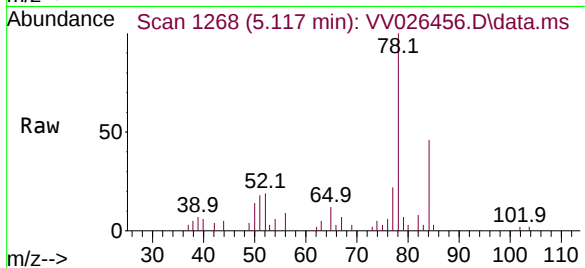




#33
Benzene
Concen: 0.447 ug/L
RT: 5.117 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

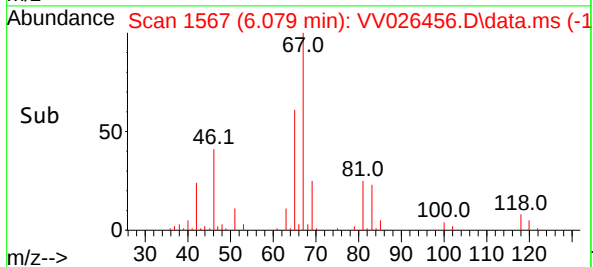
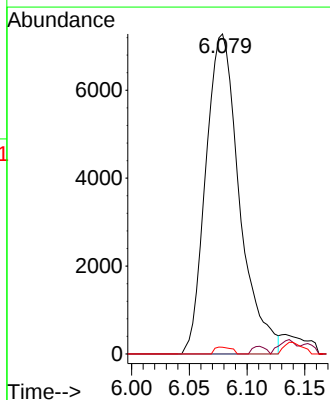
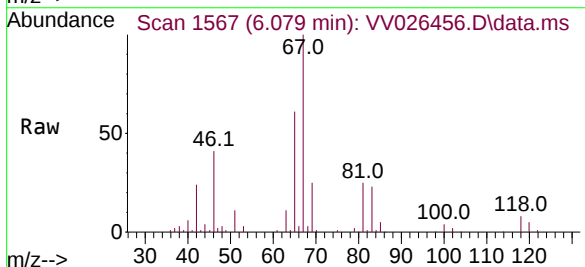
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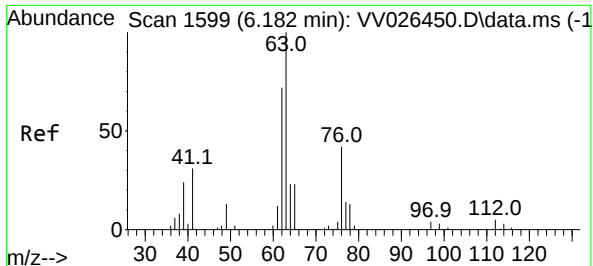
Tgt Ion: 78 Resp: 14863



#35
Methylcyclohexane
Concen: 1.175 ug/L
RT: 6.079 min Scan# 1567
Delta R.T. -0.061 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

Tgt Ion: 83 Resp: 14762
Ion Ratio Lower Upper
83 100
55 0.9 59.3 88.9#
98 1.1 39.9 59.9#





#37

1,2-Dichloropropane

Concen: 0.812 ug/L

RT: 6.079 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV026456.D

Acq: 20 Jun 2022 19:25

Instrument :

MSVOA_V

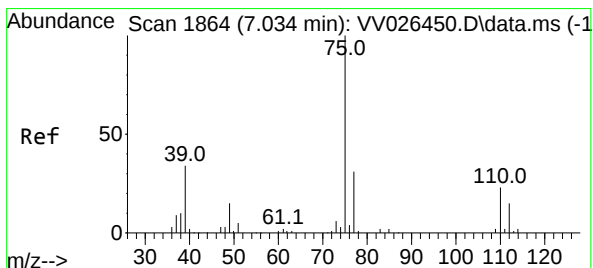
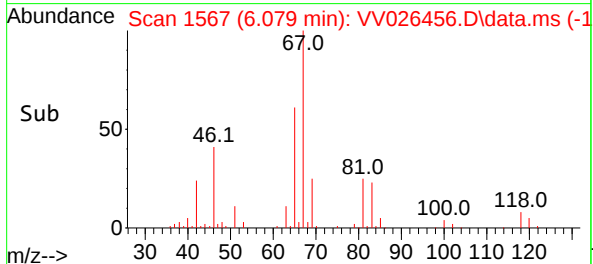
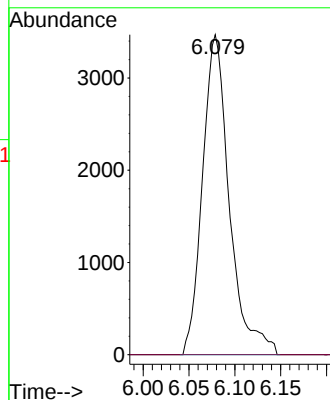
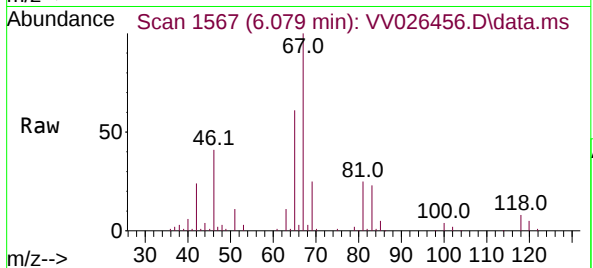
ClientSampleId :

Tgt Ion: 63 Resp: 7059

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 6.998 min Scan# 1853

Delta R.T. -0.036 min

Lab File: VV026456.D

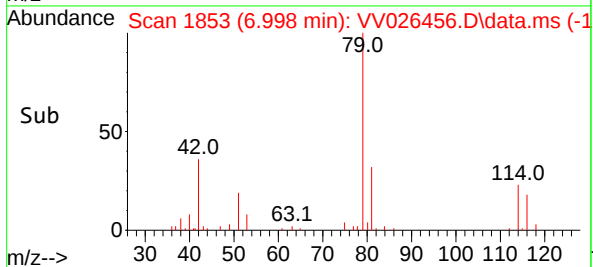
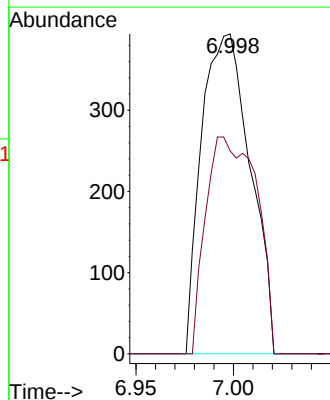
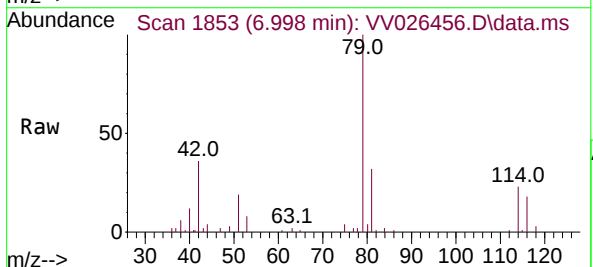
Acq: 20 Jun 2022 19:25

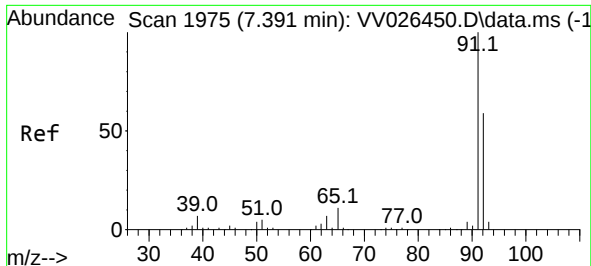
Tgt Ion: 75 Resp: 685

Ion Ratio Lower Upper

75 100

77 63.5 23.0 42.6#





#42

Toluene

Concen: 0.260 ug/L

RT: 7.403 min Scan# 1975

Delta R.T. 0.013 min

Lab File: VV026456.D

Acq: 20 Jun 2022 19:25

Instrument :

MSVOA_V

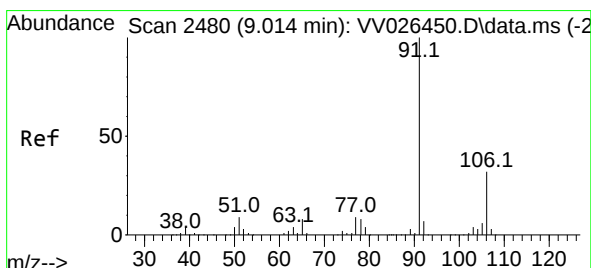
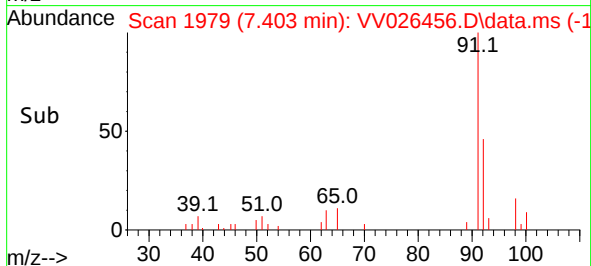
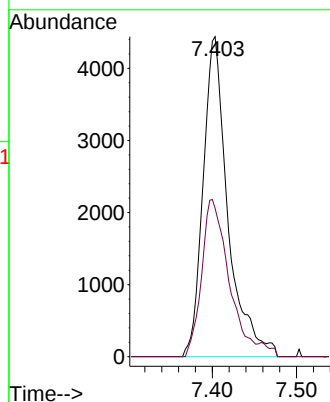
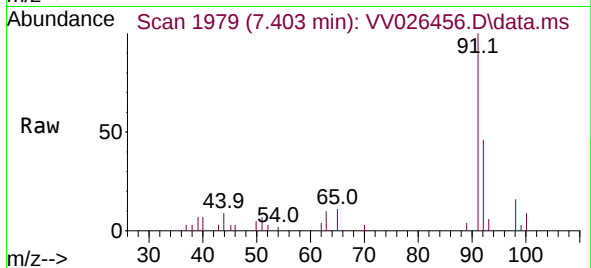
ClientSampleId :

Tgt Ion: 91 Resp: 9107

Ion Ratio Lower Upper

91 100

92 46.4 40.1 74.5



#52

Ethylbenzene

Concen: 3.529 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. -0.000 min

Lab File: VV026456.D

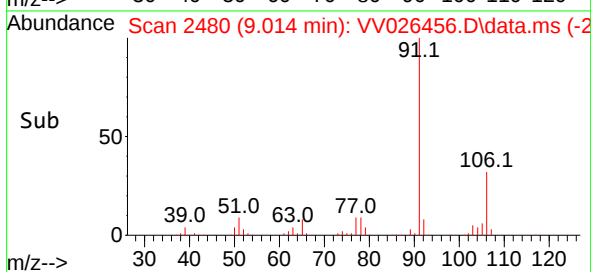
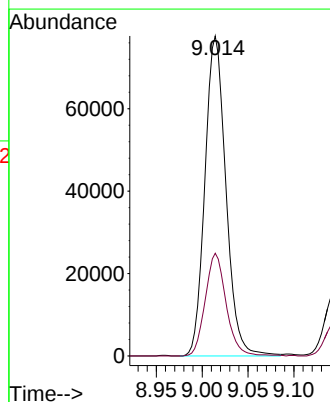
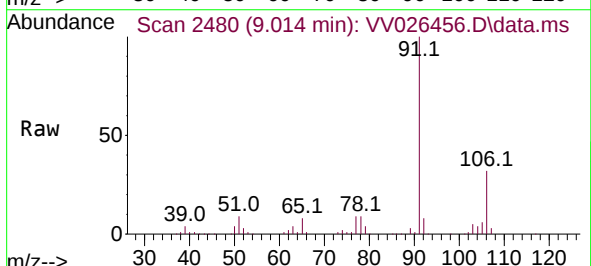
Acq: 20 Jun 2022 19:25

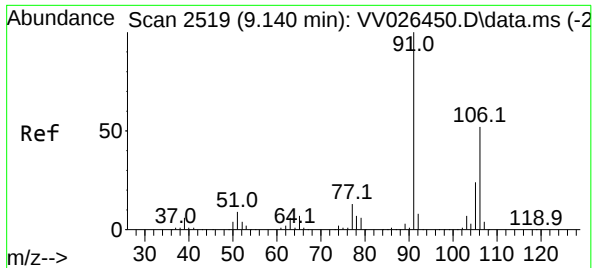
Tgt Ion: 91 Resp: 123731

Ion Ratio Lower Upper

91 100

106 32.1 21.6 40.0

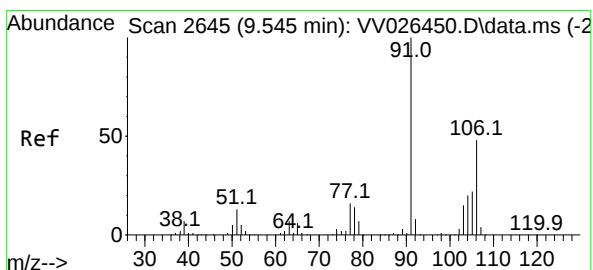
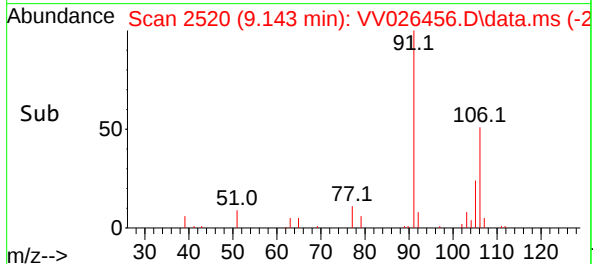
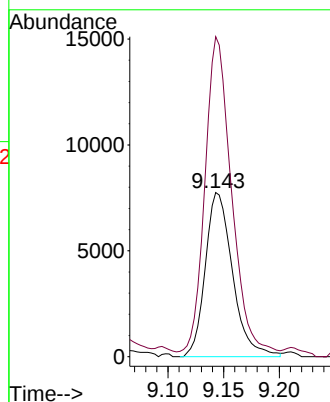
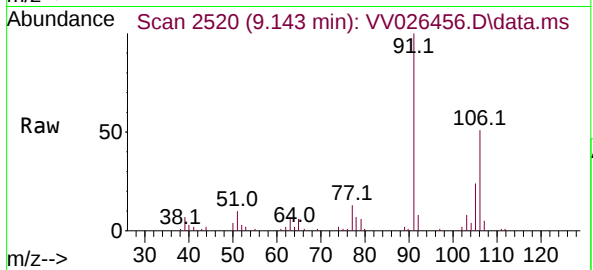




#53
m,p-Xylene
Concen: 0.967 ug/L
RT: 9.143 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

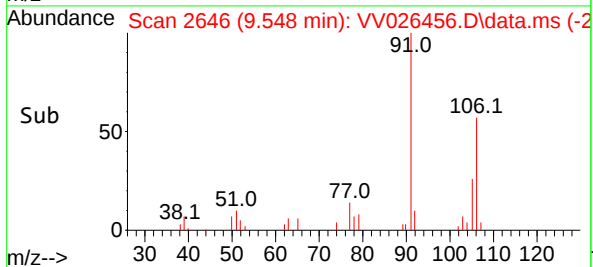
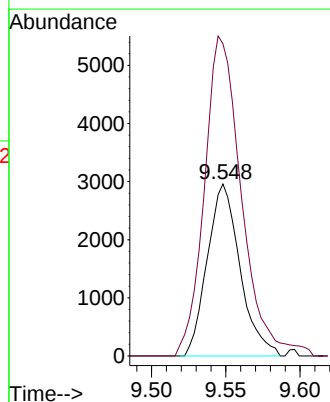
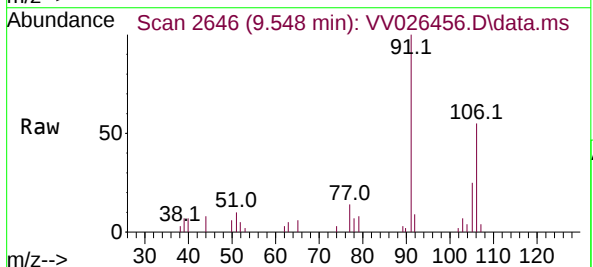
Instrument :
MSVOA_V
ClientSampleId :

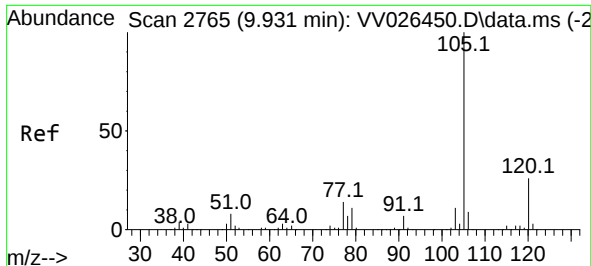
Tgt Ion:106 Resp: 13219
Ion Ratio Lower Upper
106 100
91 194.9 141.3 262.3



#54
o-Xylene
Concen: 0.343 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.003 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

Tgt Ion:106 Resp: 4537
Ion Ratio Lower Upper
106 100
91 181.6 143.3 266.1

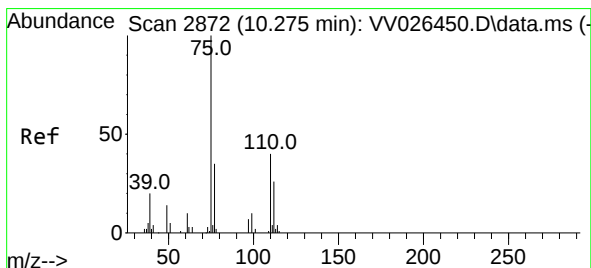
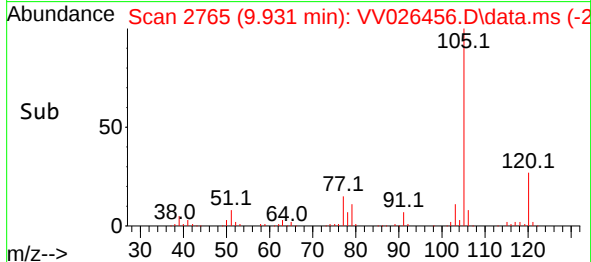
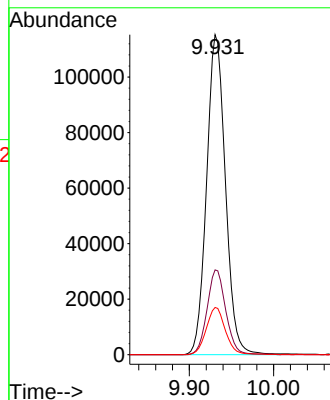
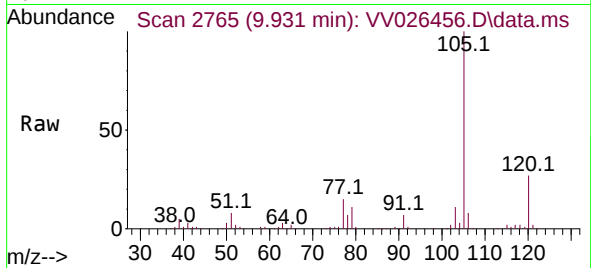




#60
Isopropylbenzene
Concen: 5.356 ug/L
RT: 9.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

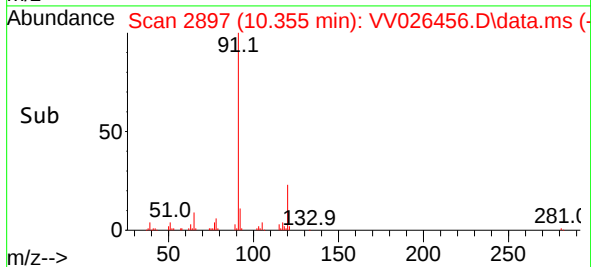
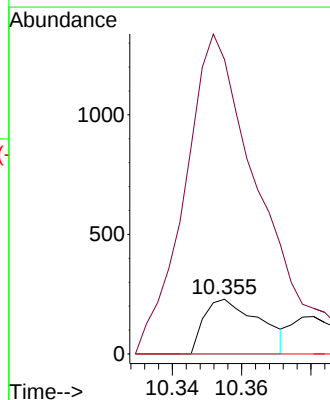
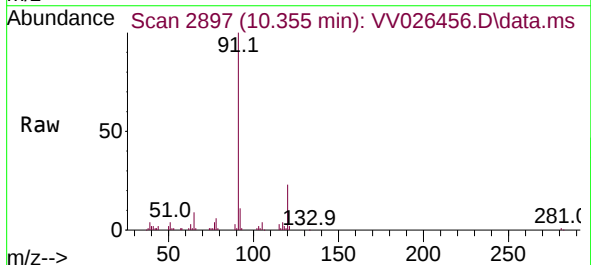
Instrument :
MSVOA_V
ClientSampleId :

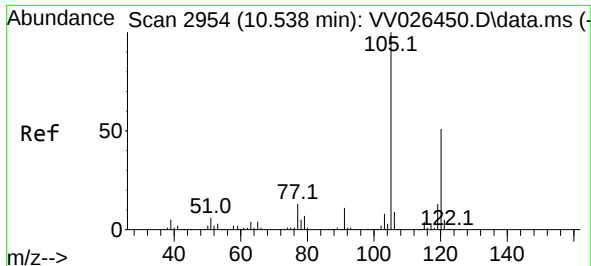
Tgt Ion:105 Resp: 179320
Ion Ratio Lower Upper
105 100
120 26.4 21.5 32.3
77 15.0 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 0.063 ug/L
RT: 10.355 min Scan# 2897
Delta R.T. 0.080 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

Tgt Ion: 75 Resp: 255
Ion Ratio Lower Upper
75 100
77 801.2 26.9 40.3#
110 0.0 30.7 46.1#





#62

1,3,5-Trimethylbenzene

Concen: 0.476 ug/L

RT: 11.336 min Scan# 31

Delta R.T. 0.797 min

Lab File: VV026456.D

Acq: 20 Jun 2022 19:25

Instrument :

MSVOA_V

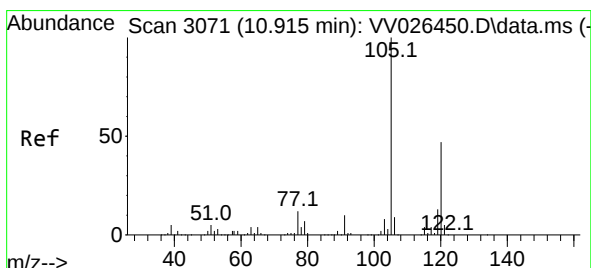
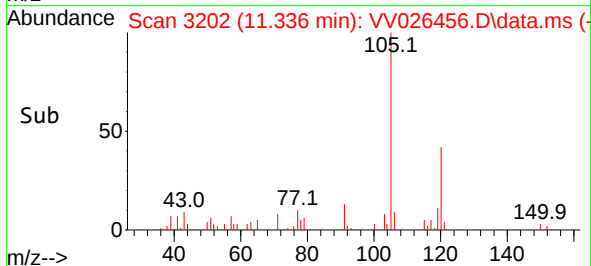
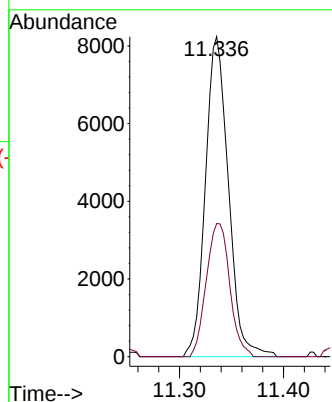
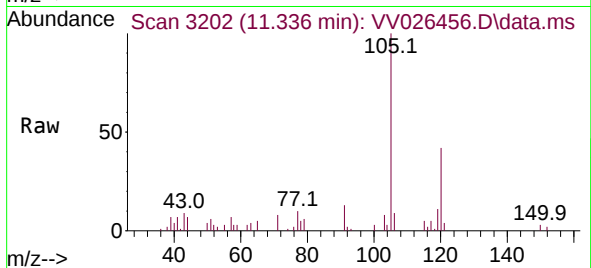
ClientSampleId :

Tgt Ion:105 Resp: 12654

Ion Ratio Lower Upper

105 100

120 42.5 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 0.481 ug/L

RT: 11.336 min Scan# 3202

Delta R.T. 0.421 min

Lab File: VV026456.D

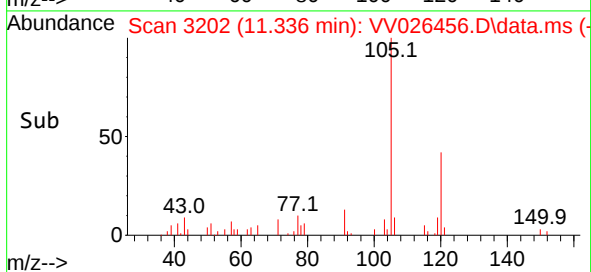
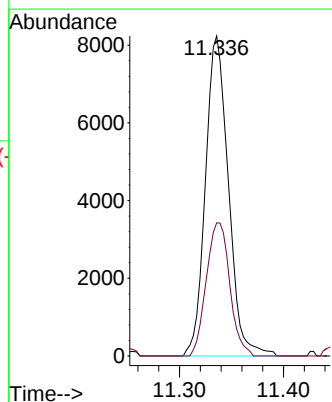
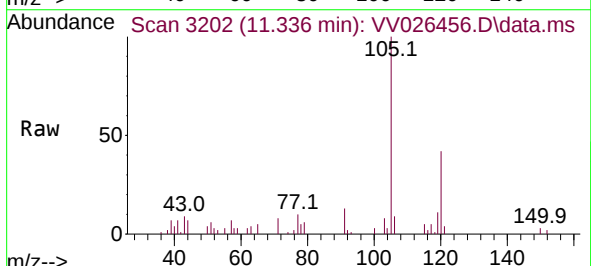
Acq: 20 Jun 2022 19:25

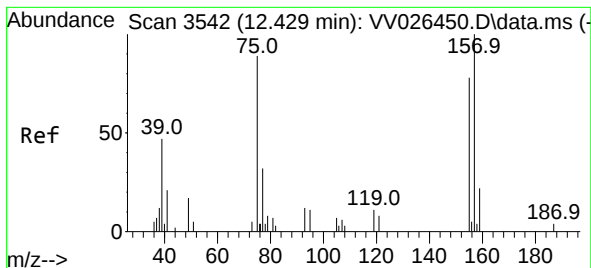
Tgt Ion:105 Resp: 12654

Ion Ratio Lower Upper

105 100

120 42.5 36.9 55.3

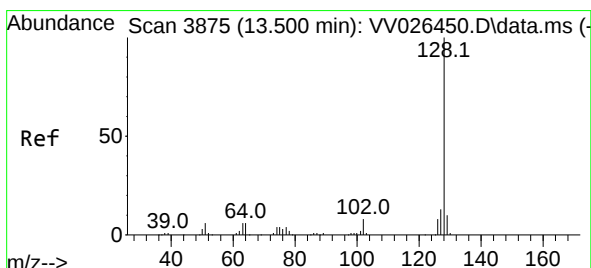
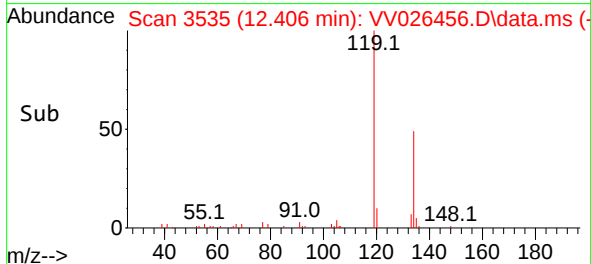
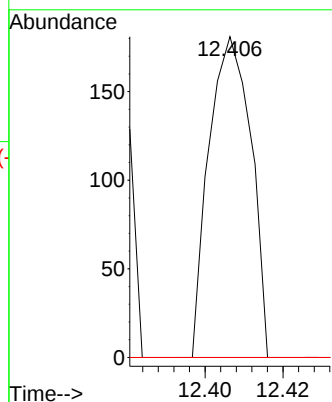
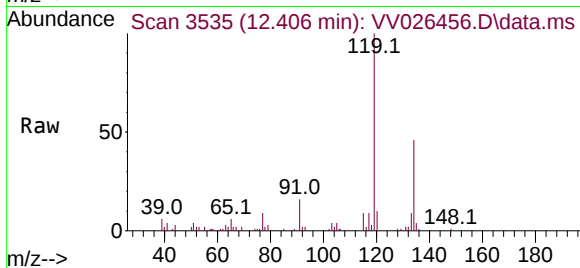




#68
1,2-Dibromo-3-chloropropane
Concen: 0.188 ug/L
RT: 12.406 min Scan# 31
Delta R.T. -0.023 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 136
Ion Ratio Lower Upper
75 100
155 0.0 63.7 95.5#
157 0.0 85.0 127.6#



#71
Naphthalene
Concen: 2.615 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.003 min
Lab File: VV026456.D
Acq: 20 Jun 2022 19:25

Tgt Ion: 128 Resp: 31856
Ion Ratio Lower Upper
128 100
129 13.6 8.7 13.1#
127 15.0 10.6 16.0

