

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062022\
 Data File : VW026455.D
 Acq On : 20 Jun 2022 19:01
 Operator : SY/MD
 Sample : N3358-21
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 21 05:39:16 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	182206	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	171269	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	66796	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	69360	4.383	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	1.587	69	59477	4.780	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.600%
11) 1,1-Dichloroethene-d2	2.124	63	97997	3.606	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	3.931	46	84817	54.925	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.860%
24) Chloroform-d	4.365	84	128185	5.526	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.600%
26) 1,2-Dichloroethane-d4	5.046	65	51406	5.238	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.063	84	249835	5.456	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.200%
36) 1,2-Dichloropropane-d6	6.079	67	76232	5.704	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.000%
41) Toluene-d8	7.320	98	204591	4.900	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
43) trans-1,3-Dichloroprop...	7.632	79	13542	3.125	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.600%
46) 2-Hexanone-d5	8.095	63	60404	46.145	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.280%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	46467	5.644	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	62677	6.092	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.800%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.256	50	1657	0.110	ug/L #	76
6) Bromomethane	1.545	94	624	0.071	ug/L	83
8) Chloroethane	1.551	64	137792	14.113	ug/L #	50
13) Acetone	2.230	43	8840	7.387	ug/L	94
14) Carbon disulfide	2.320	76	1633	0.058	ug/L #	74
25) Chloroform	4.397	83	9168	0.397	ug/L	99
27) 1,2-Dichloroethane	5.066	62	1427	0.136	ug/L #	71
35) Methylcyclohexane	6.079	83	18383	1.109	ug/L #	19
37) 1,2-Dichloropropane	6.079	63	8388	0.730	ug/L #	88
38) Bromodichloromethane	6.519	83	3420	0.246	ug/L	87
39) cis-1,3-Dichloropropene	6.998	75	1082	0.083	ug/L #	82
42) Toluene	7.397	91	20658	0.447	ug/L	96
49) Dibromochloromethane	8.252	129	333	0.040	ug/L	80
52) Ethylbenzene	9.024	91	2465	0.053	ug/L	93
53) m,p-Xylene	9.146	106	3651	0.202	ug/L	92
54) o-Xylene	9.551	106	1248	0.071	ug/L	79
60) Isopropylbenzene	10.461	105	2463	0.069	ug/L #	89
61) 1,2,3-Trichloropropane	11.246	75	7867	1.815	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.921	105	3171	0.112	ug/L	88

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jun 21 05:26:17 2022
Response via : Initial Calibration

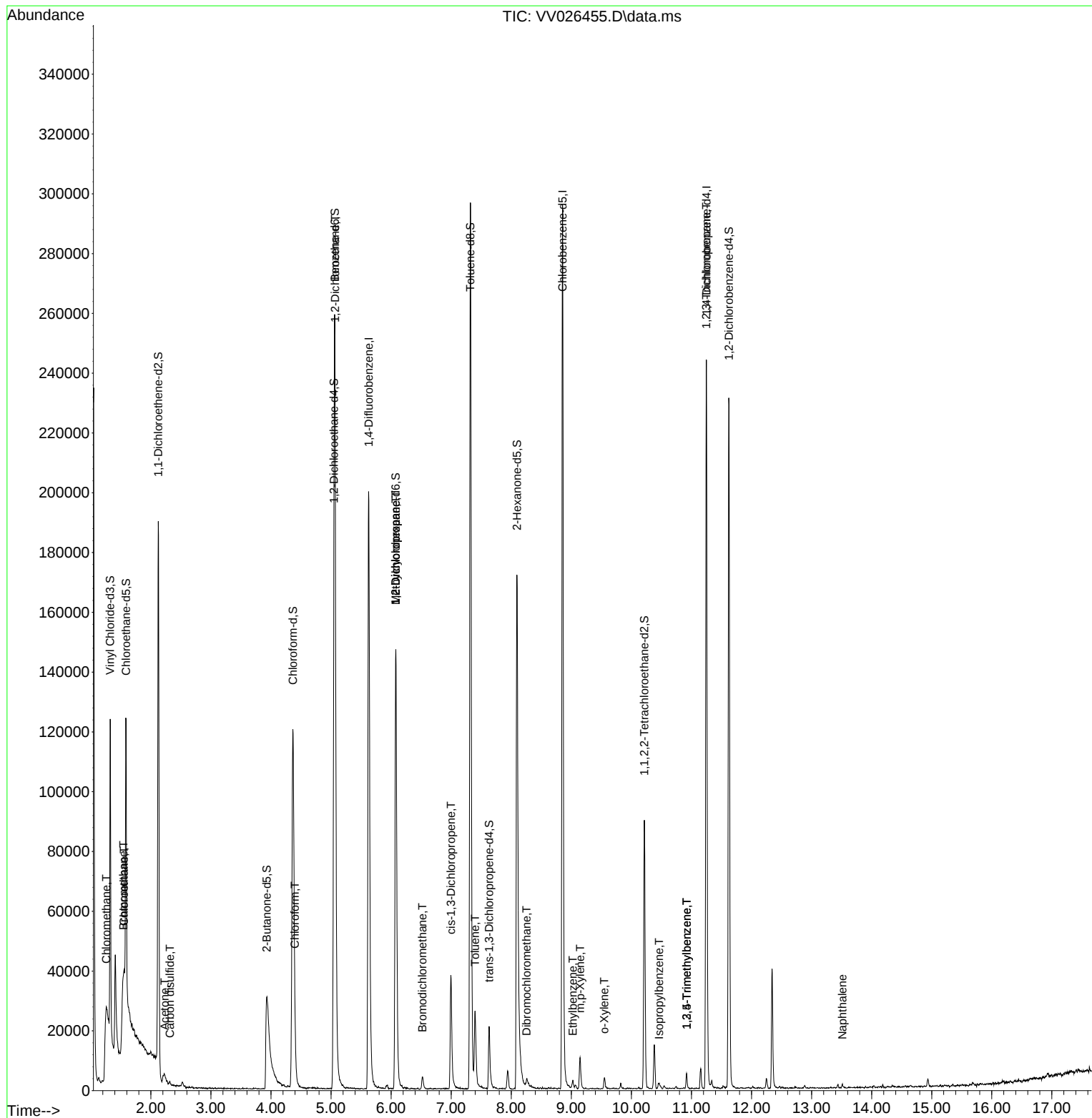
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.921	105	3171	0.113	ug/L	94
71) Naphthalene	13.512	128	1116	0.086	ug/L #	79

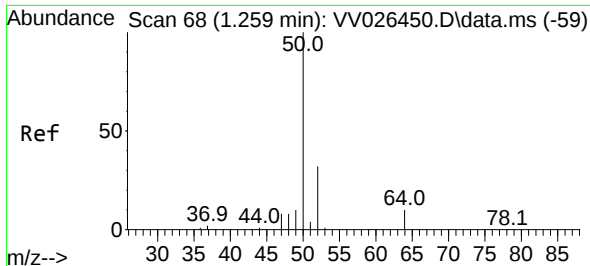
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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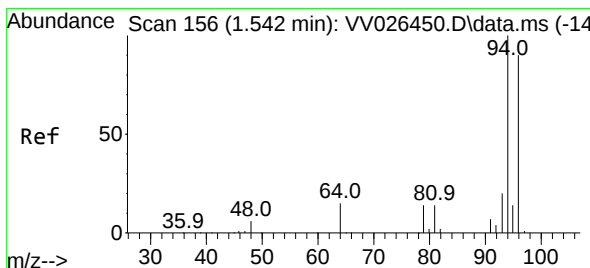
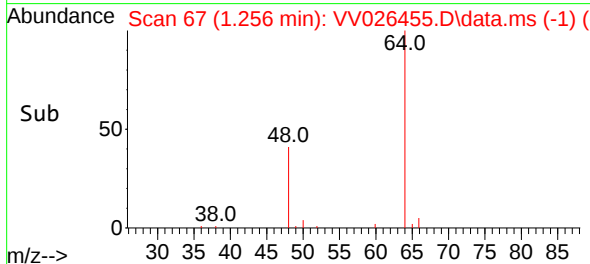
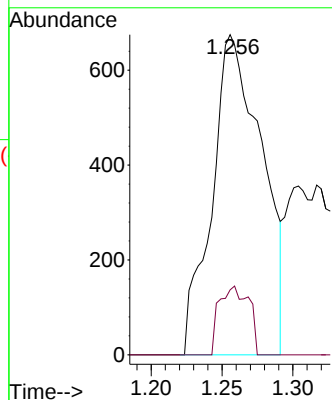
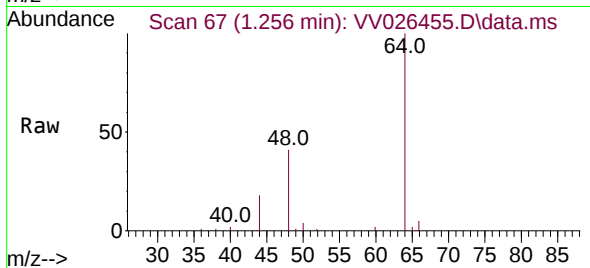




#3
Chloromethane
Concen: 0.110 ug/L
RT: 1.256 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV026455.D
Acq: 20 Jun 2022 19:01

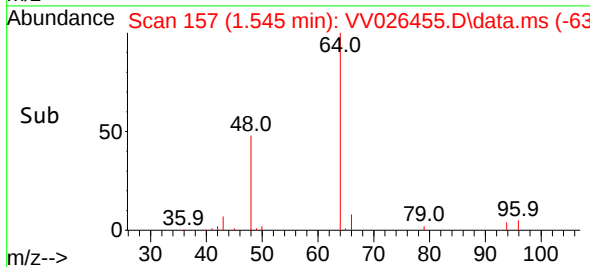
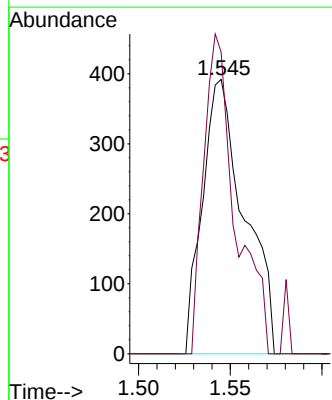
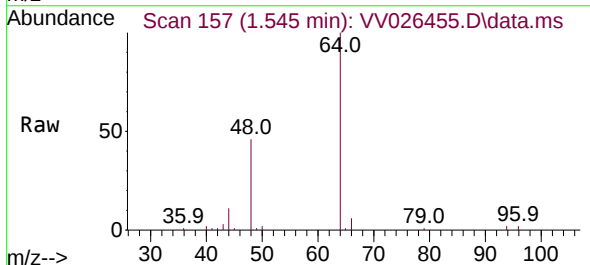
Instrument :
MSVOA_V
ClientSampleId :

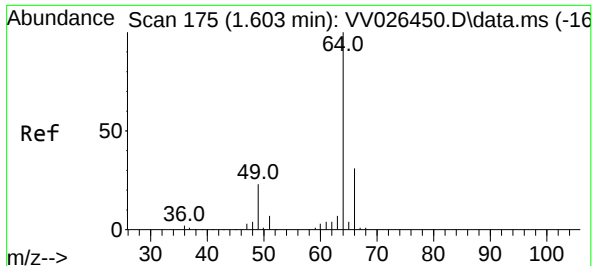
Tgt Ion: 50 Resp: 1657
Ion Ratio Lower Upper
50 100
52 20.3 23.7 44.1#



#6
Bromomethane
Concen: 0.071 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.003 min
Lab File: VV026455.D
Acq: 20 Jun 2022 19:01

Tgt Ion: 94 Resp: 624
Ion Ratio Lower Upper
94 100
96 109.9 65.7 121.9

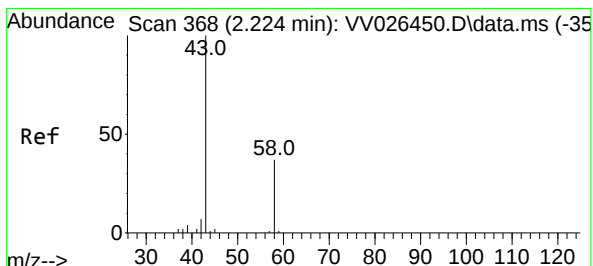
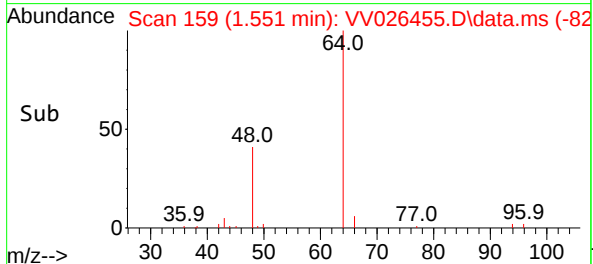
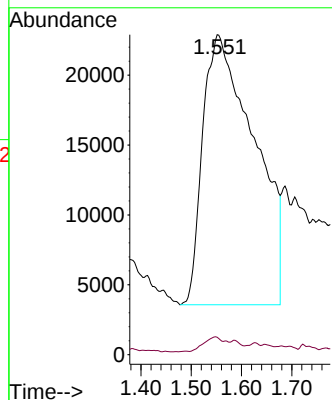
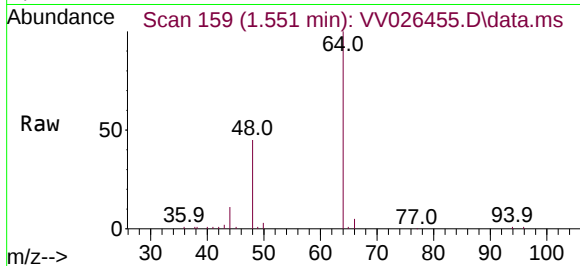




#8
Chloroethane
Concen: 14.113 ug/L
RT: 1.551 min Scan# 11
Delta R.T. -0.052 min
Lab File: VV026455.D
Acq: 20 Jun 2022 19:01

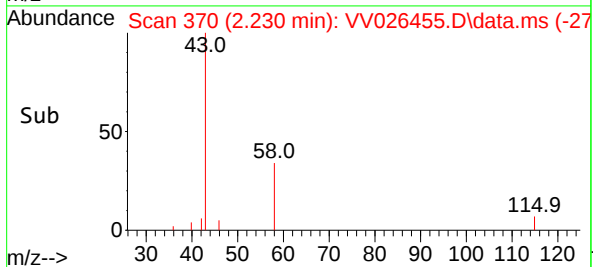
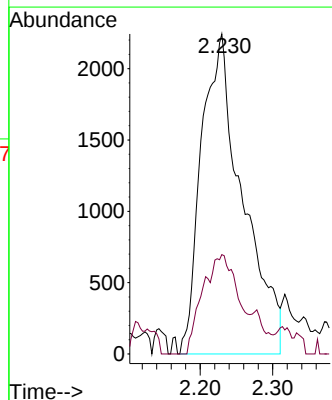
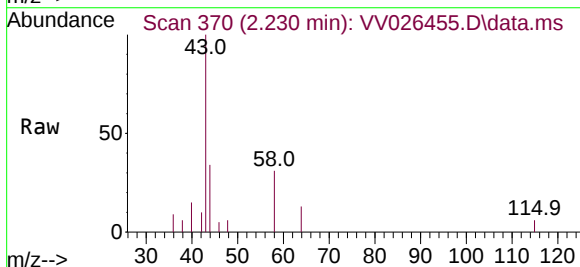
Instrument :
MSVOA_V
ClientSampleId :

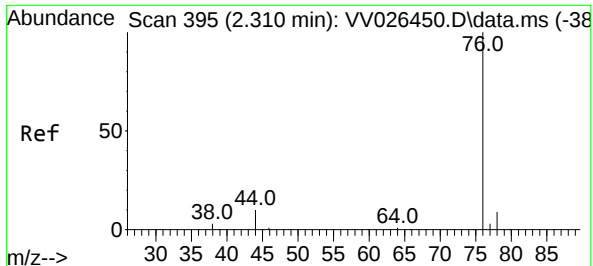
Tgt Ion: 64 Resp: 137792
Ion Ratio Lower Upper
64 100
66 5.4 24.1 44.7#



#13
Acetone
Concen: 7.387 ug/L
RT: 2.230 min Scan# 370
Delta R.T. 0.006 min
Lab File: VV026455.D
Acq: 20 Jun 2022 19:01

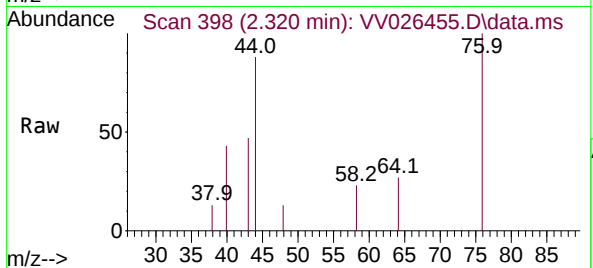
Tgt Ion: 43 Resp: 8840
Ion Ratio Lower Upper
43 100
58 26.8 0.0 60.0



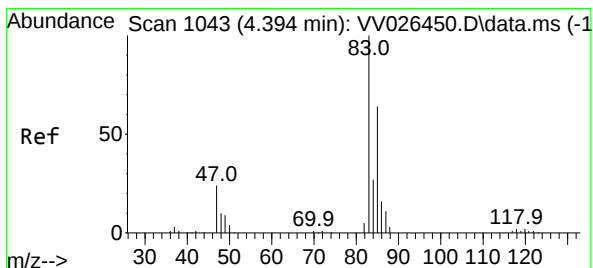
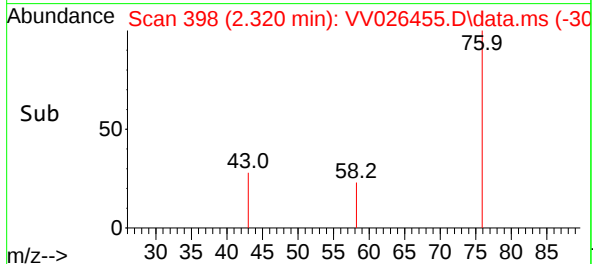
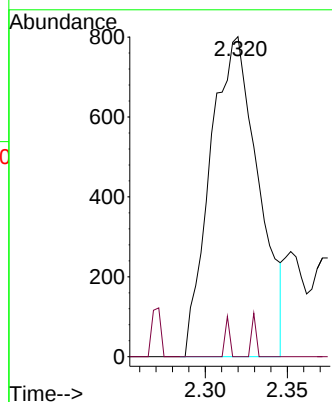


#14
Carbon disulfide
Concen: 0.058 ug/L
RT: 2.320 min Scan# 395
Delta R.T. 0.009 min
Lab File: VV026455.D
Acq: 20 Jun 2022 19:01

Instrument :
MSVOA_V
ClientSampleId :

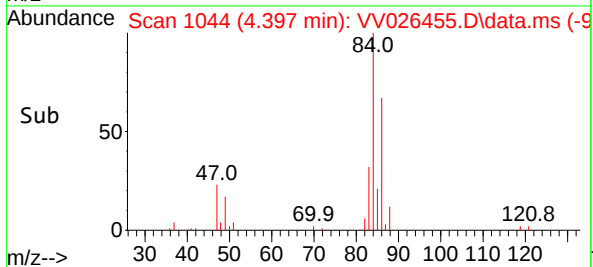
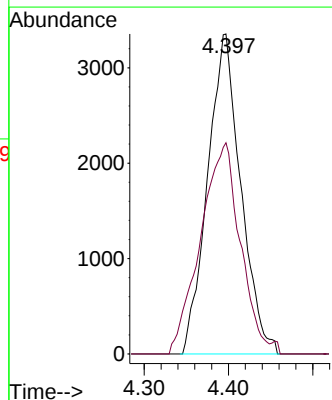
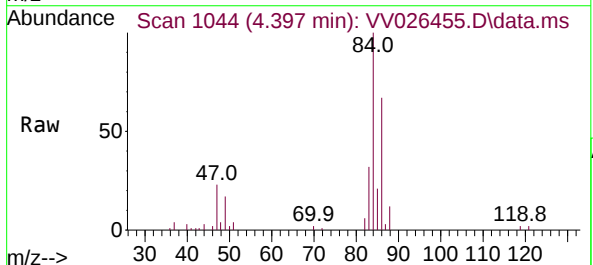


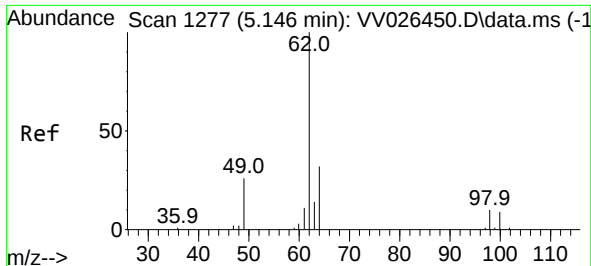
Tgt Ion: 76 Resp: 1633
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#25
Chloroform
Concen: 0.397 ug/L
RT: 4.397 min Scan# 1044
Delta R.T. 0.003 min
Lab File: VV026455.D
Acq: 20 Jun 2022 19:01

Tgt Ion: 83 Resp: 9168
Ion Ratio Lower Upper
83 100
85 66.0 46.5 86.3





#27

1,2-Dichloroethane

Concen: 0.136 ug/L

RT: 5.066 min Scan# 1

Delta R.T. -0.081 min

Lab File: VV026455.D

Acq: 20 Jun 2022 19:01

Instrument :

MSVOA_V

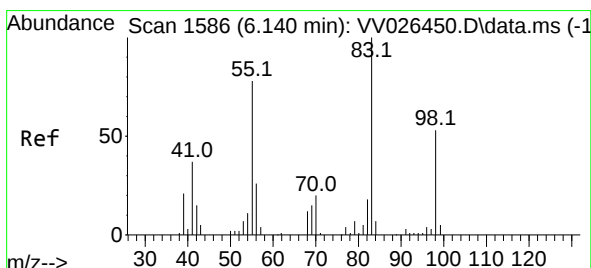
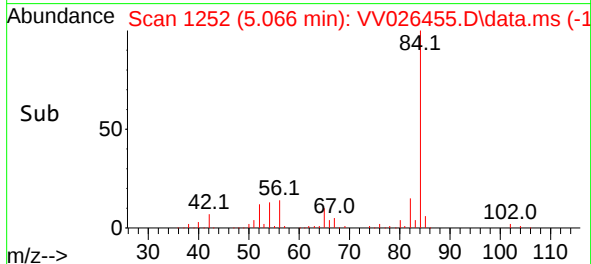
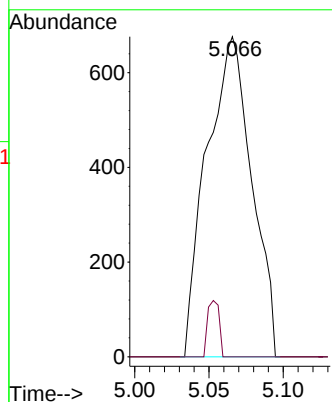
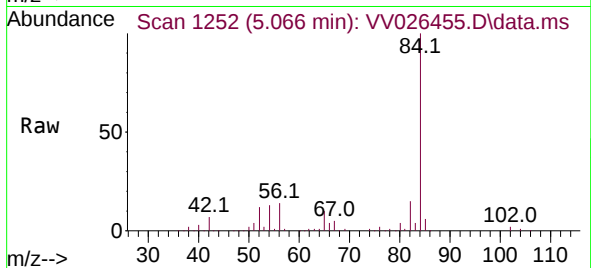
ClientSampleId :

Tgt Ion: 62 Resp: 1427

Ion Ratio Lower Upper

62 100

98 0.0 8.6 13.0#



#35

Methylcyclohexane

Concen: 1.109 ug/L

RT: 6.079 min Scan# 1567

Delta R.T. -0.061 min

Lab File: VV026455.D

Acq: 20 Jun 2022 19:01

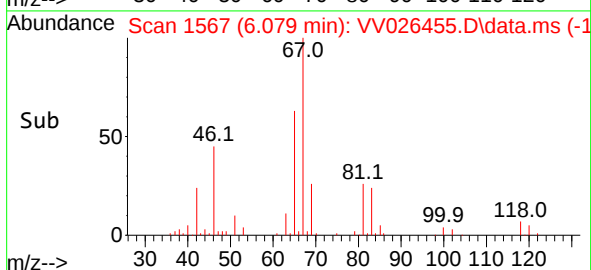
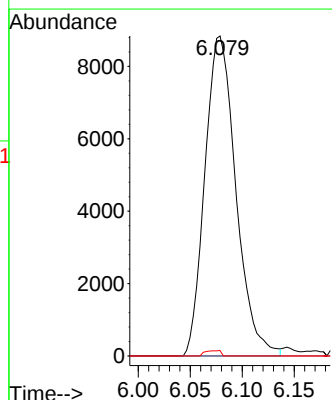
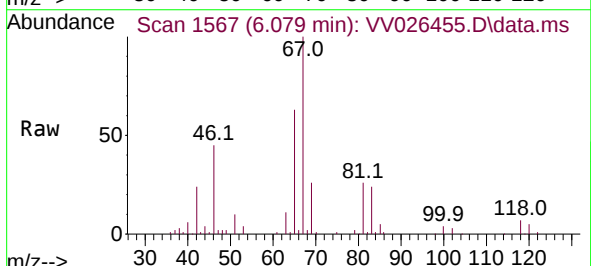
Tgt Ion: 83 Resp: 18383

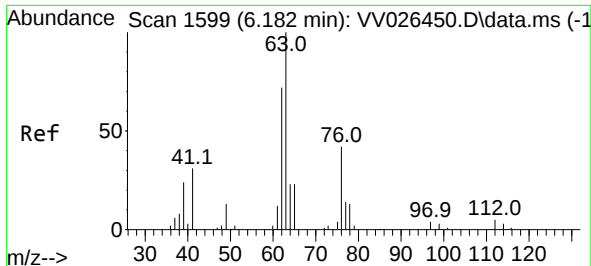
Ion Ratio Lower Upper

83 100

55 0.0 59.3 88.9#

98 0.8 39.9 59.9#





#37

1,2-Dichloropropane

Concen: 0.730 ug/L

RT: 6.079 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV026455.D

Acq: 20 Jun 2022 19:01

Instrument :

MSVOA_V

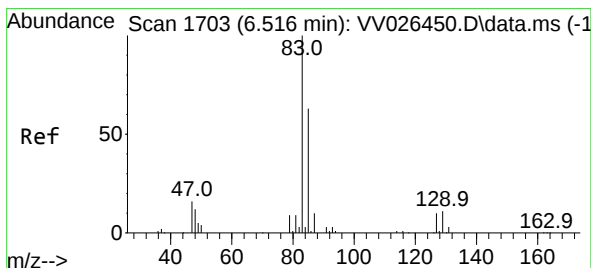
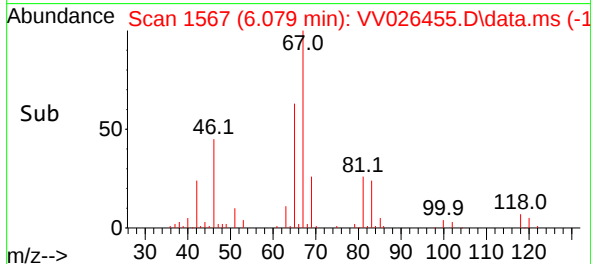
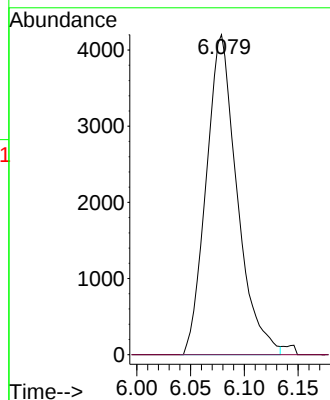
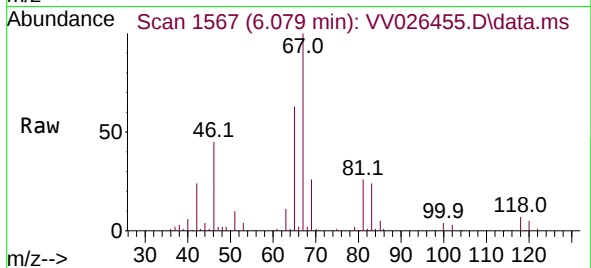
ClientSampleId :

Tgt Ion: 63 Resp: 8388

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.246 ug/L

RT: 6.519 min Scan# 1704

Delta R.T. 0.003 min

Lab File: VV026455.D

Acq: 20 Jun 2022 19:01

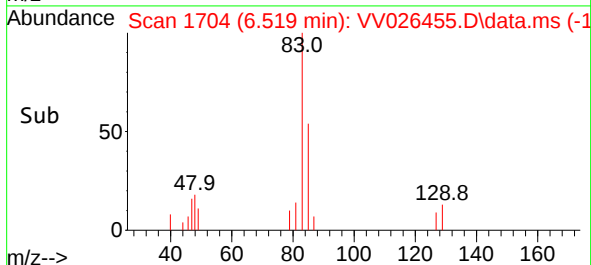
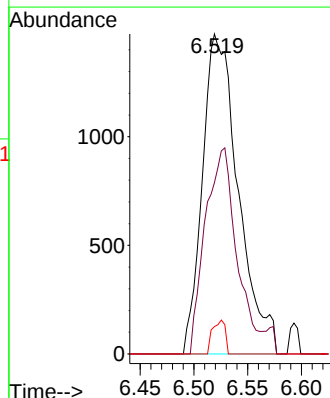
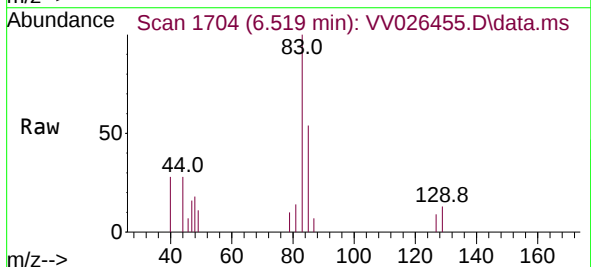
Tgt Ion: 83 Resp: 3420

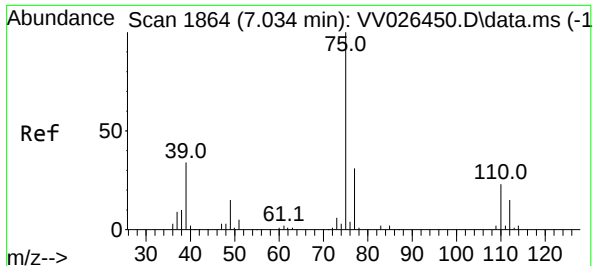
Ion Ratio Lower Upper

83 100

85 53.6 45.6 84.6

127 8.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 6.998 min Scan# 11

Delta R.T. -0.036 min

Lab File: VV026455.D

Acq: 20 Jun 2022 19:01

Instrument :

MSVOA_V

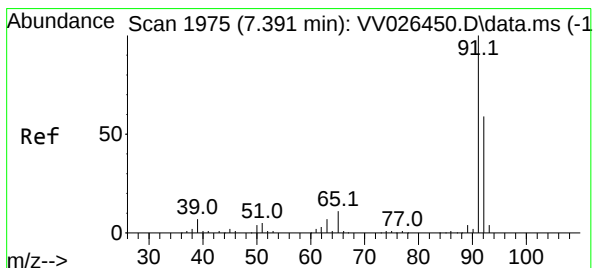
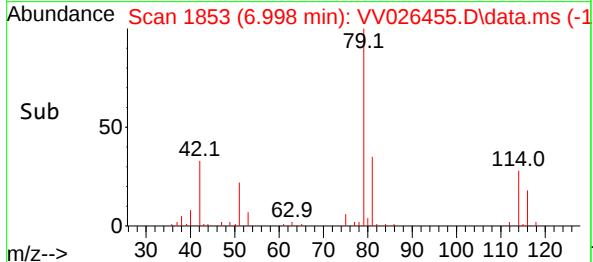
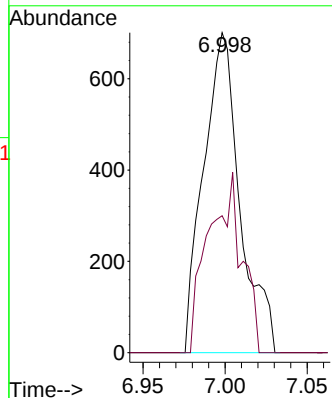
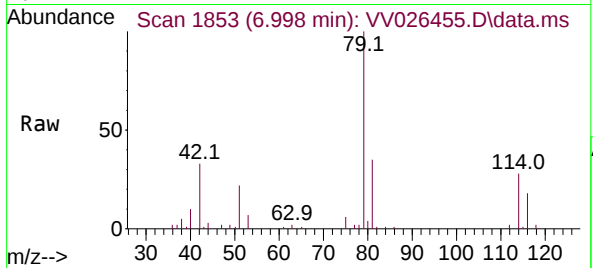
ClientSampleId :

Tgt Ion: 75 Resp: 1082

Ion Ratio Lower Upper

75 100

77 42.8 23.0 42.6#



#42

Toluene

Concen: 0.447 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VV026455.D

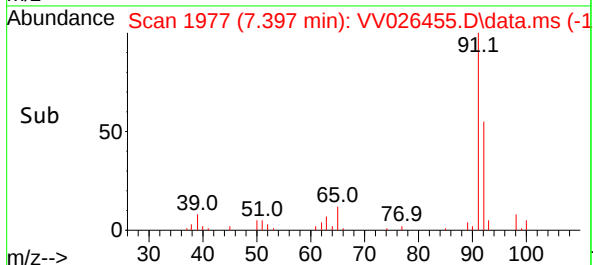
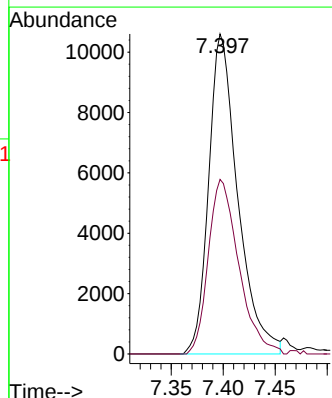
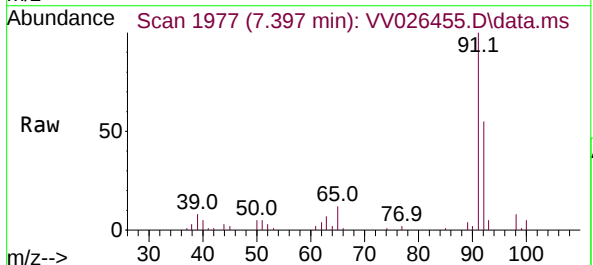
Acq: 20 Jun 2022 19:01

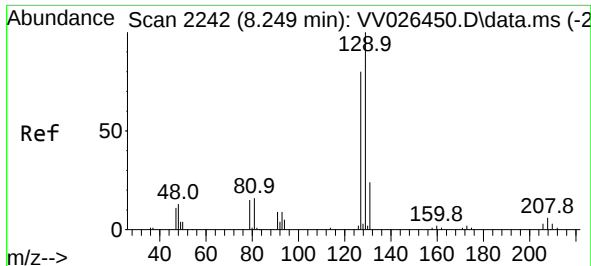
Tgt Ion: 91 Resp: 20658

Ion Ratio Lower Upper

91 100

92 54.6 40.1 74.5





#49

Dibromochloromethane

Concen: 0.040 ug/L

RT: 8.252 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV026455.D

Acq: 20 Jun 2022 19:01

Instrument :

MSVOA_V

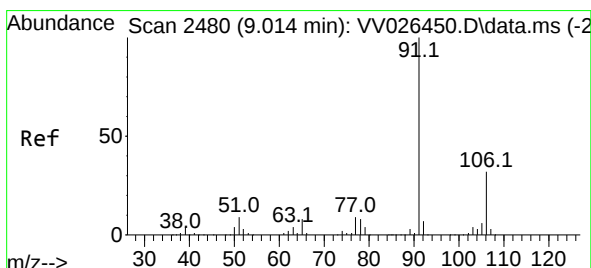
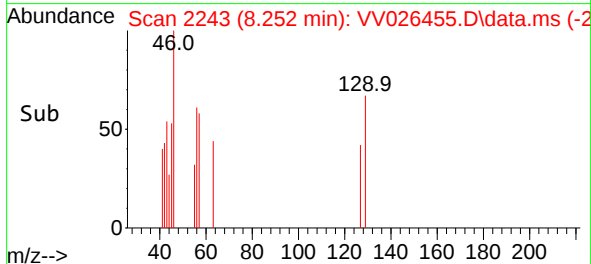
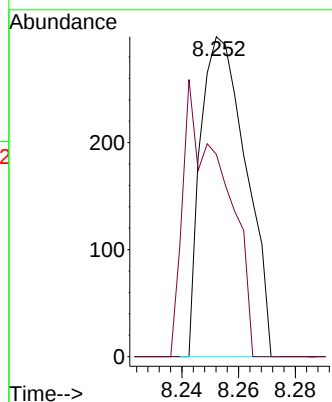
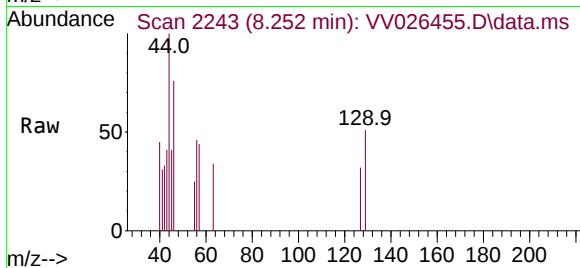
ClientSampleId :

Tgt Ion:129 Resp: 333

Ion Ratio Lower Upper

129 100

127 63.2 56.4 104.7



#52

Ethylbenzene

Concen: 0.053 ug/L

RT: 9.024 min Scan# 2483

Delta R.T. 0.009 min

Lab File: VV026455.D

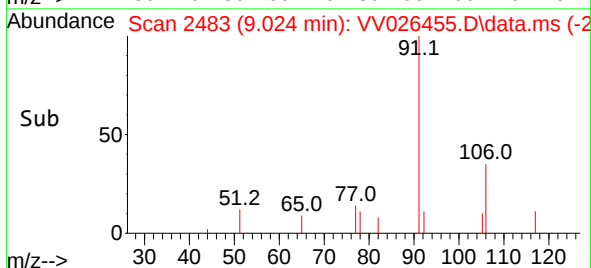
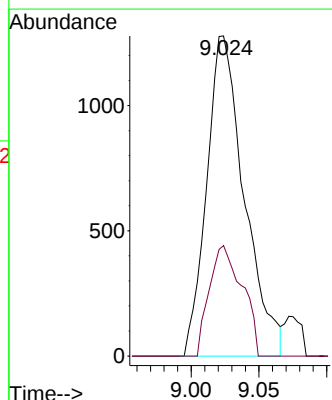
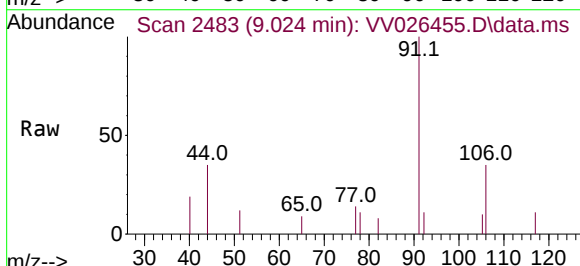
Acq: 20 Jun 2022 19:01

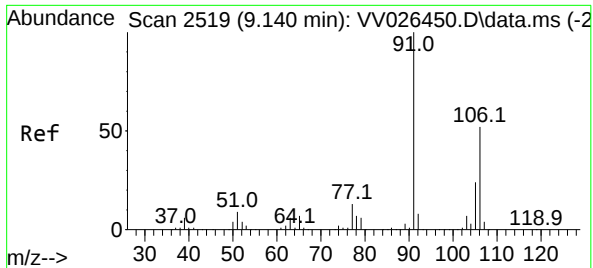
Tgt Ion: 91 Resp: 2465

Ion Ratio Lower Upper

91 100

106 34.5 21.6 40.0

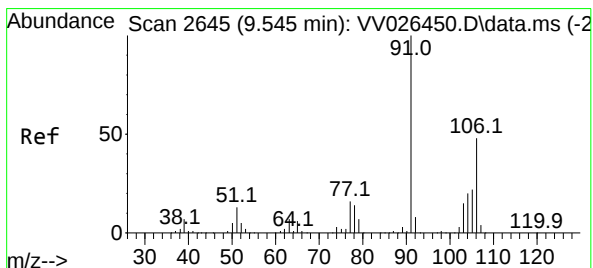
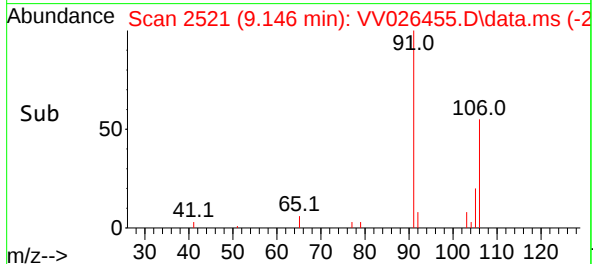
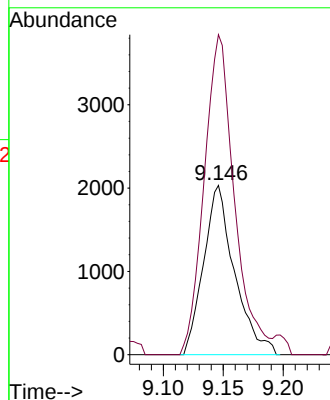
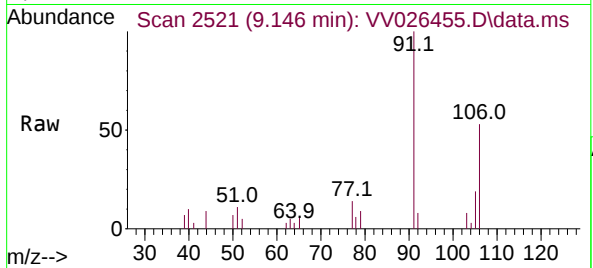




#53
m,p-Xylene
Concen: 0.202 ug/L
RT: 9.146 min Scan# 2519
Delta R.T. 0.006 min
Lab File: VV026455.D
Acq: 20 Jun 2022 19:01

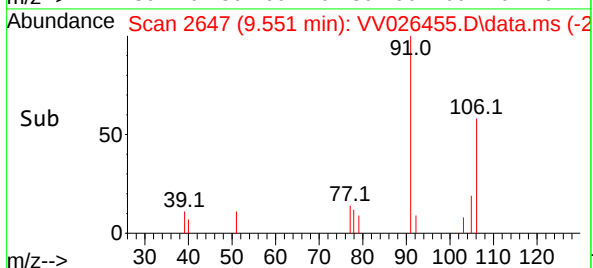
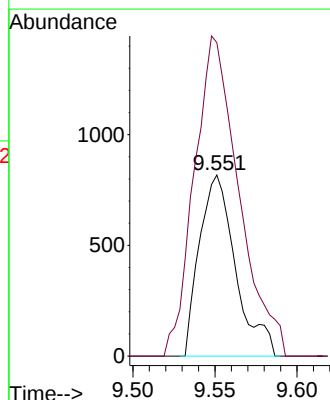
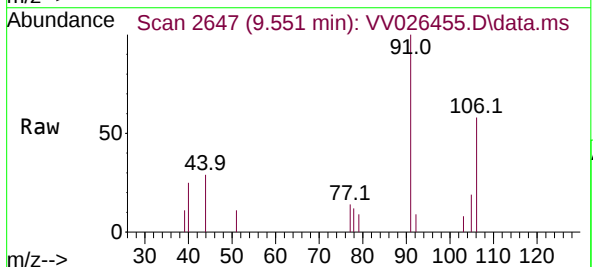
Instrument :
MSVOA_V
ClientSampleId :

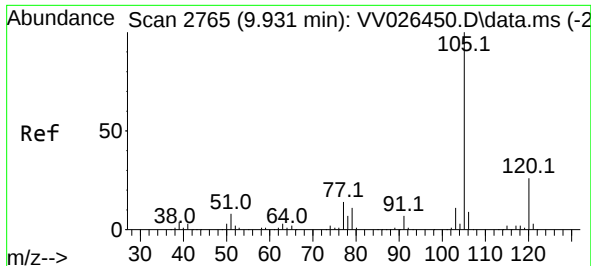
Tgt Ion:106 Resp: 3651
Ion Ratio Lower Upper
106 100
91 189.0 141.3 262.3



#54
o-Xylene
Concen: 0.071 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.006 min
Lab File: VV026455.D
Acq: 20 Jun 2022 19:01

Tgt Ion:106 Resp: 1248
Ion Ratio Lower Upper
106 100
91 173.1 143.3 266.1

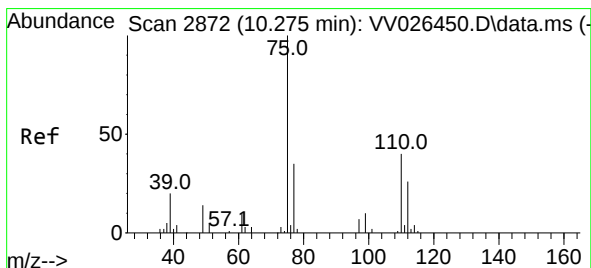
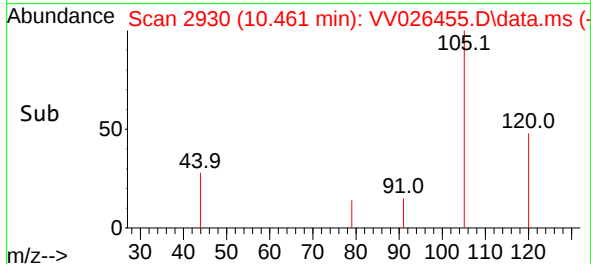
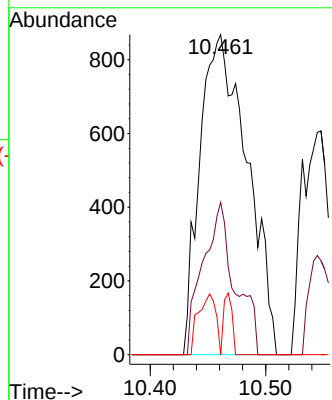
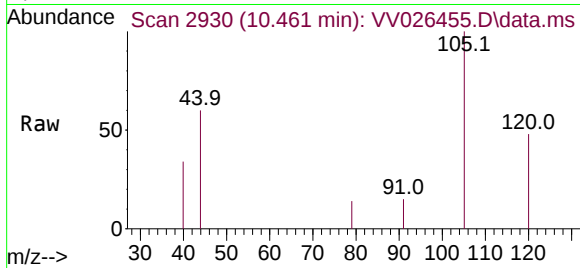




#60
Isopropylbenzene
Concen: 0.069 ug/L
RT: 10.461 min Scan# 2463
Delta R.T. 0.530 min
Lab File: VV026455.D
Acq: 20 Jun 2022 19:01

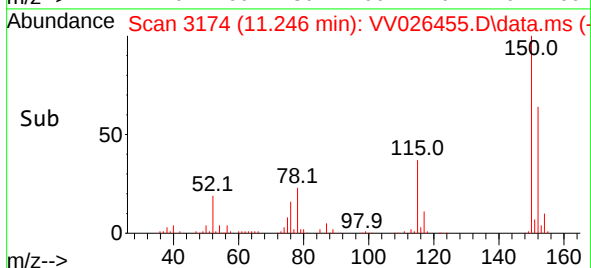
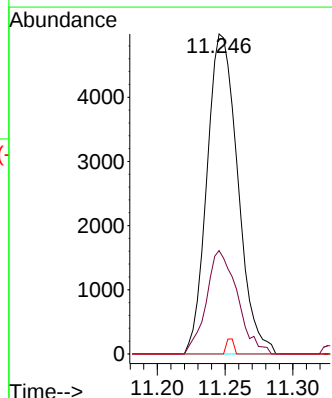
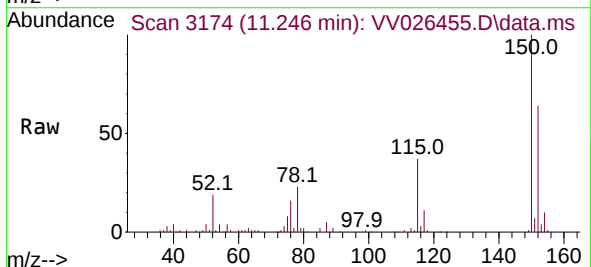
Instrument :
MSVOA_V
ClientSampleId :

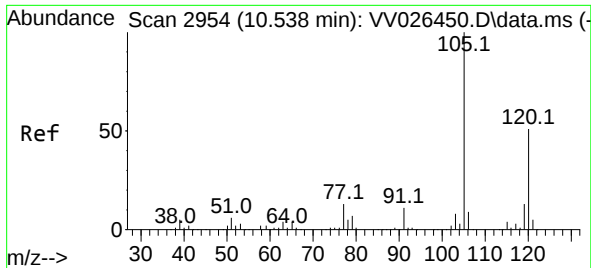
Tgt Ion:105 Resp: 2463
Ion Ratio Lower Upper
105 100
120 27.7 21.5 32.3
77 3.4 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 1.815 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.971 min
Lab File: VV026455.D
Acq: 20 Jun 2022 19:01

Tgt Ion: 75 Resp: 7867
Ion Ratio Lower Upper
75 100
77 32.6 26.9 40.3
110 1.1 30.7 46.1#





#62

1,3,5-Trimethylbenzene

Concen: 0.112 ug/L

RT: 10.921 min Scan# 3073

Delta R.T. 0.382 min

Lab File: VV026455.D

Acq: 20 Jun 2022 19:01

Instrument :

MSVOA_V

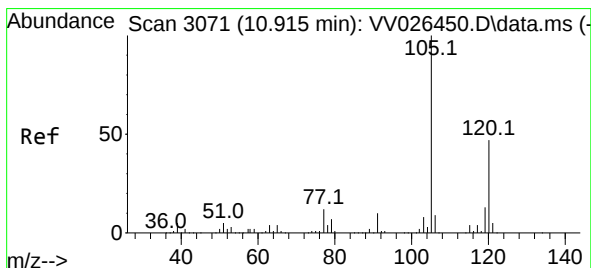
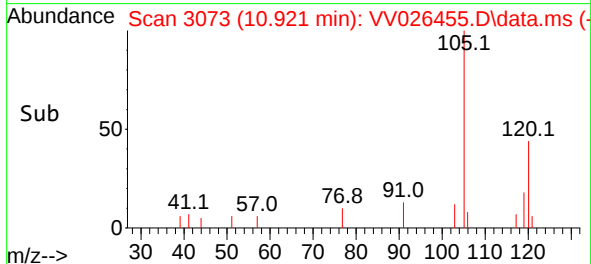
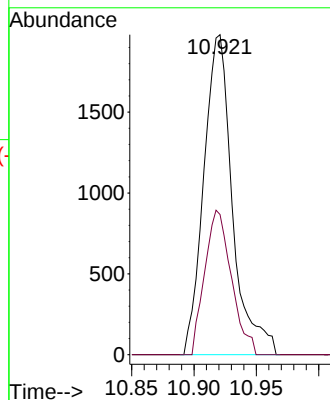
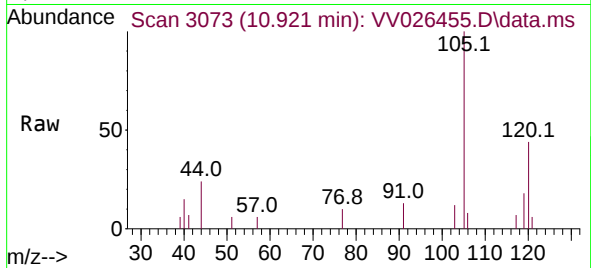
ClientSampleId :

Tgt Ion:105 Resp: 3171

Ion Ratio Lower Upper

105 100

120 41.9 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 0.113 ug/L

RT: 10.921 min Scan# 3073

Delta R.T. 0.006 min

Lab File: VV026455.D

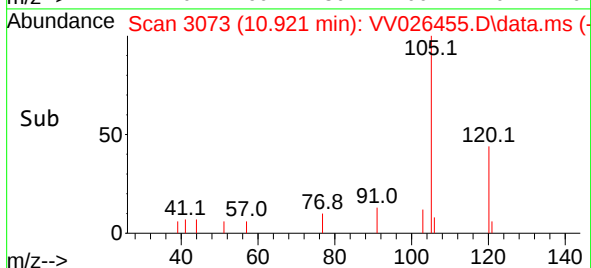
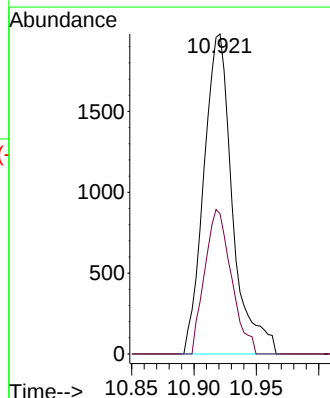
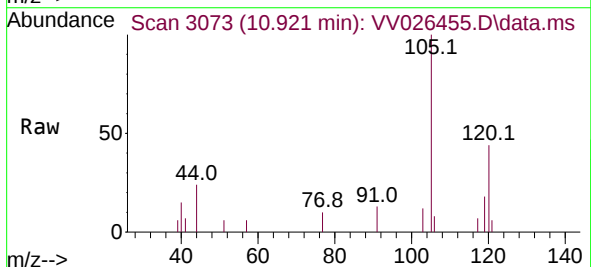
Acq: 20 Jun 2022 19:01

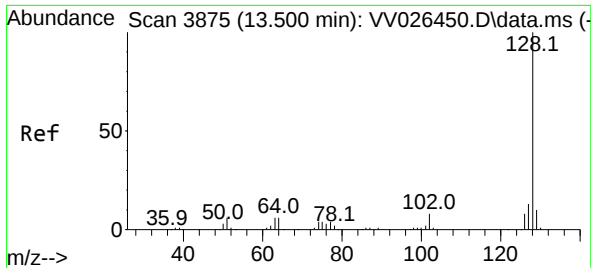
Tgt Ion:105 Resp: 3171

Ion Ratio Lower Upper

105 100

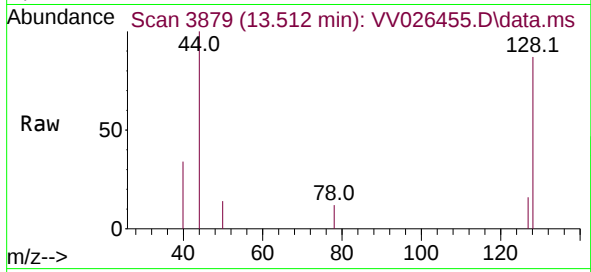
120 41.9 36.9 55.3





#71
Naphthalene
Concen: 0.086 ug/L
RT: 13.512 min Scan# 3879
Delta R.T. 0.013 min
Lab File: VV026455.D
Acq: 20 Jun 2022 19:01

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 1116
Ion Ratio Lower Upper
128 100
129 0.0 8.7 13.1#
127 7.6 10.6 16.0#

