

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062322\
 Data File : VW026555.D
 Acq On : 24 Jun 2022 15:03
 Operator : SY/MD
 Sample : N3401-13DL 100X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AF1DL

Quant Time: Jun 25 02:35:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 25 02:21:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	252855	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	230719	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	101806	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	76000	3.737	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.800%
7) Chloroethane-d5	1.580	69	66729	4.085	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.600%
11) 1,1-Dichloroethene-d2	2.121	63	106283	2.941	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.800%#
20) 2-Butanone-d5	3.908	46	115792	57.275	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.540%
24) Chloroform-d	4.362	84	139739	4.204	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	5.043	65	57733	4.509	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.059	84	290713	4.387	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.075	67	85726	4.704	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.320	98	249027	4.179	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	7.628	79	22421	4.760	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.200%
46) 2-Hexanone-d5	8.091	63	87971	49.031	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.060%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	52110	4.371	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	81593	4.843	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.259	50	808	0.038	ug/L #	77
8) Chloroethane	1.600	64	14765	0.968	ug/L #	78
16) Methylene chloride	2.519	84	3991	0.220	ug/L	94
25) Chloroform	4.403	83	3186	0.095	ug/L	87
27) 1,2-Dichloroethane	5.066	62	1438	0.097	ug/L #	72
30) Cyclohexane	4.686	56	3849	0.171	ug/L	99
35) Methylcyclohexane	6.136	83	4274	0.163	ug/L	90
37) 1,2-Dichloropropane	6.075	63	9068	0.558	ug/L #	84
39) cis-1,3-Dichloropropene	6.992	75	1685	0.103	ug/L #	61
42) Toluene	7.390	91	564684	8.120	ug/L	100
44) trans-1,3-Dichloropropene	7.625	75	935	0.077	ug/L #	78
52) Ethylbenzene	9.014	91	23344	0.325	ug/L	96
53) m,p-Xylene	9.140	106	24658	0.879	ug/L	100
54) o-Xylene	9.548	106	8141	0.309	ug/L	88
60) Isopropylbenzene	9.934	105	23202	0.370	ug/L	97
61) 1,2,3-Trichloropropane	11.249	75	11862	1.799	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.545	105	3029	0.061	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	10897	0.223	ug/L	92
71) Naphthalene	13.503	128	32052	1.584	ug/L	100

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Quant Time: Jun 25 02:35:23 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jun 25 02:21:54 2022
Response via : Initial Calibration

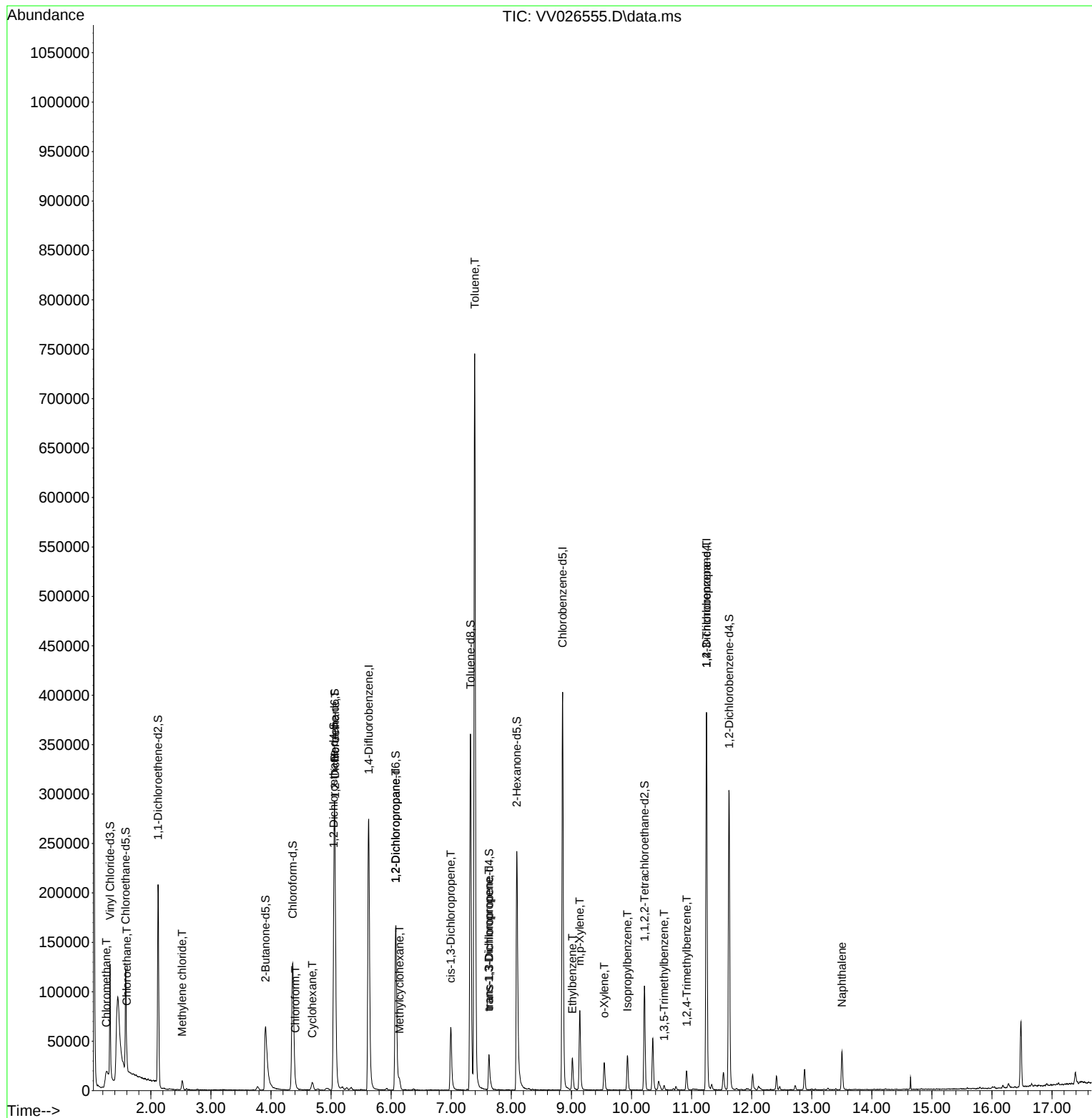
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

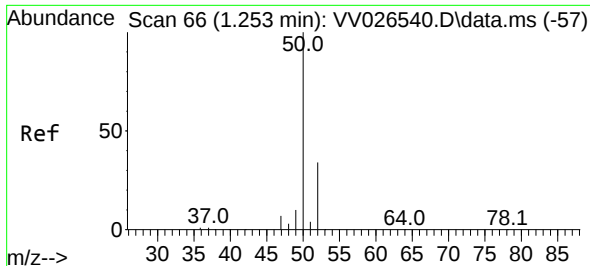
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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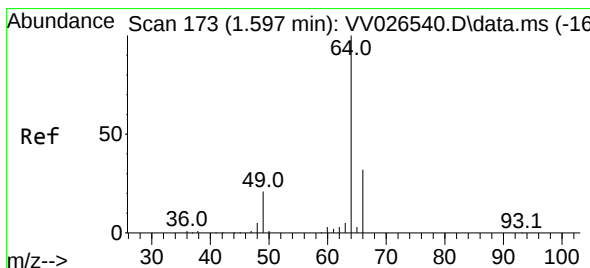
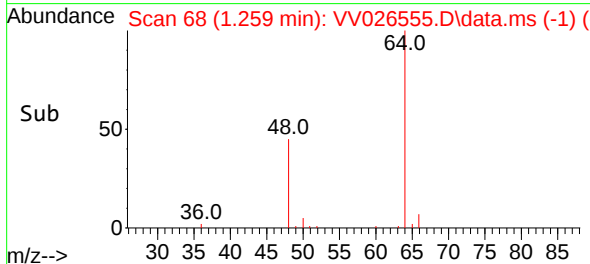
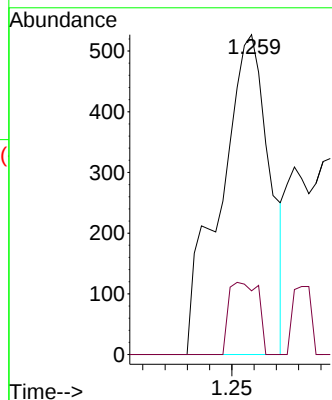
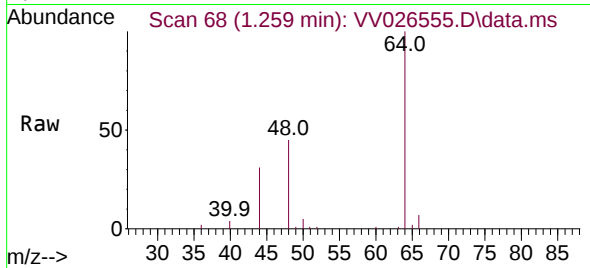




#3
Chloromethane
Concen: 0.038 ug/L
RT: 1.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VV026555.D
Acq: 24 Jun 2022 15:03

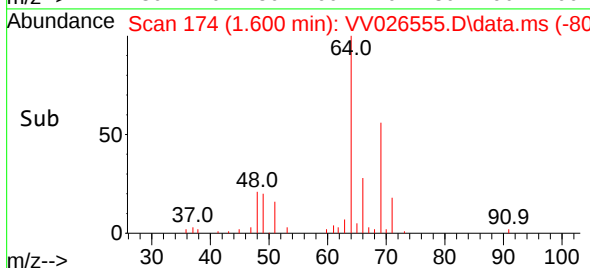
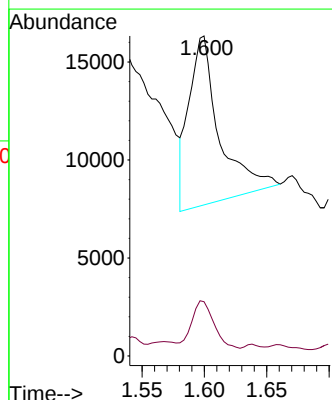
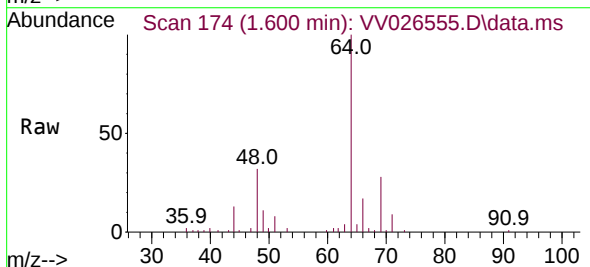
Instrument :
MSVOA_V
ClientSampleId :
C0AF1DL

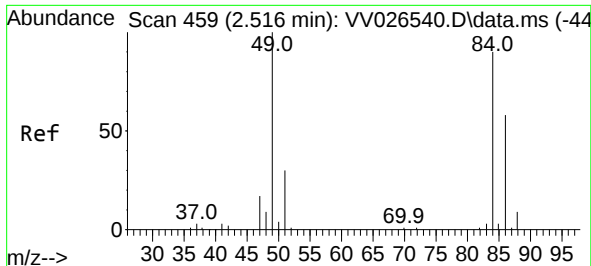
Tgt Ion: 50 Resp: 808
Ion Ratio Lower Upper
50 100
52 19.9 23.0 42.6#



#8
Chloroethane
Concen: 0.968 ug/L
RT: 1.600 min Scan# 174
Delta R.T. 0.003 min
Lab File: VV026555.D
Acq: 24 Jun 2022 15:03

Tgt Ion: 64 Resp: 14765
Ion Ratio Lower Upper
64 100
66 16.9 20.0 37.2#

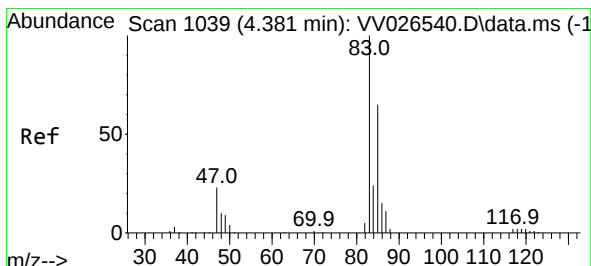
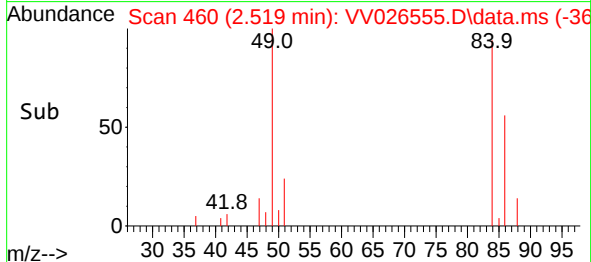
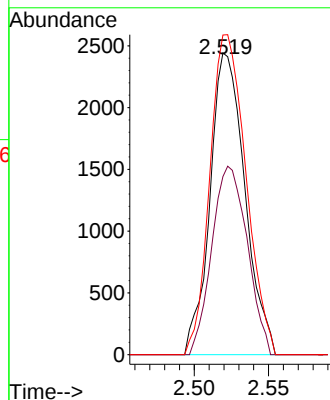
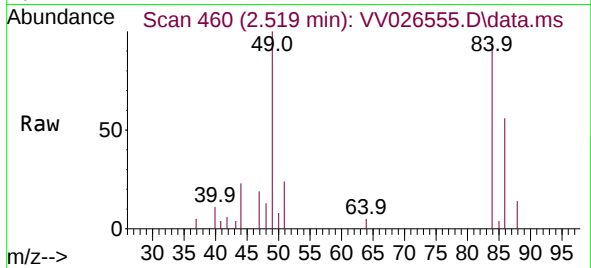




#16
Methylene chloride
Concen: 0.220 ug/L
RT: 2.519 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV026555.D
Acq: 24 Jun 2022 15:03

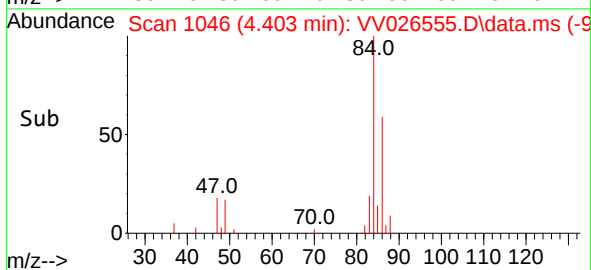
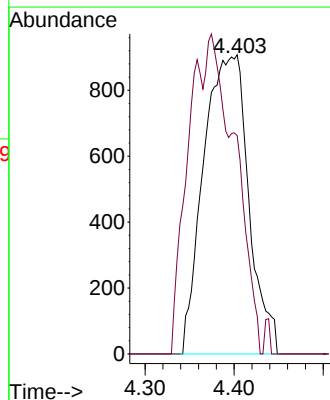
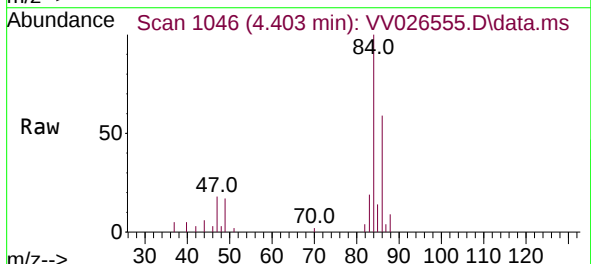
Instrument :
MSVOA_V
ClientSampleId :
C0AF1DL

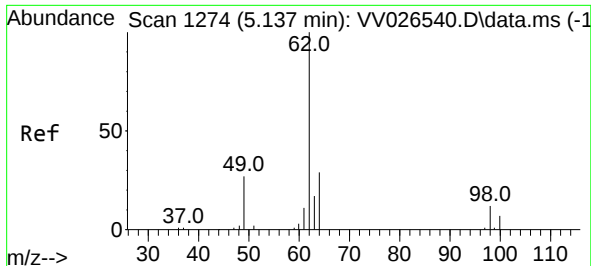
Tgt Ion: 84 Resp: 3991
Ion Ratio Lower Upper
84 100
86 59.0 46.0 85.4
49 106.0 77.7 144.3



#25
Chloroform
Concen: 0.095 ug/L
RT: 4.403 min Scan# 1046
Delta R.T. 0.022 min
Lab File: VV026555.D
Acq: 24 Jun 2022 15:03

Tgt Ion: 83 Resp: 3186
Ion Ratio Lower Upper
83 100
85 73.0 44.0 81.8





#27

1,2-Dichloroethane

Concen: 0.097 ug/L

RT: 5.066 min Scan# 1134

Delta R.T. -0.071 min

Lab File: VV026555.D

Acq: 24 Jun 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

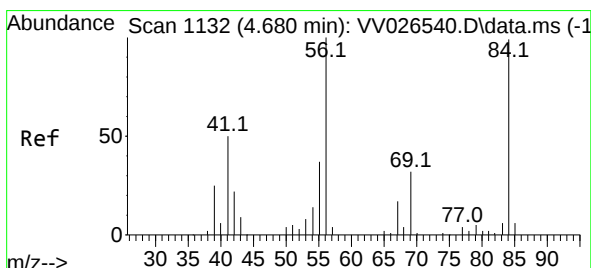
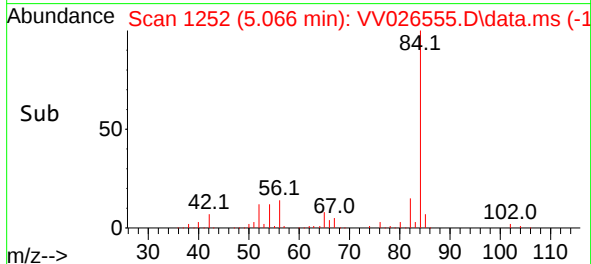
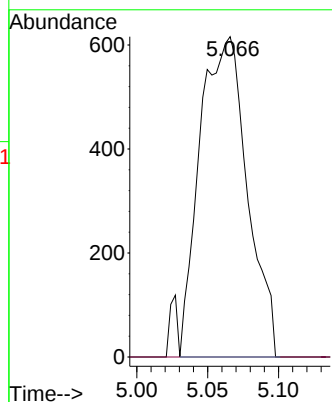
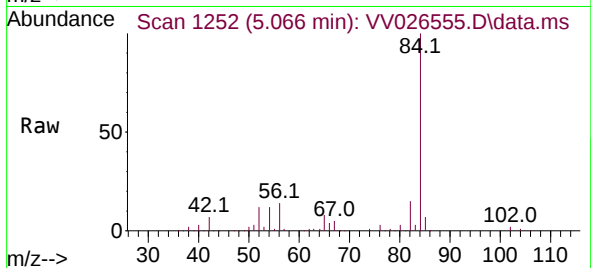
C0AF1DL

Tgt Ion: 62 Resp: 1438

Ion Ratio Lower Upper

62 100

98 0.0 8.4 12.6#



#30

Cyclohexane

Concen: 0.171 ug/L

RT: 4.686 min Scan# 1134

Delta R.T. 0.006 min

Lab File: VV026555.D

Acq: 24 Jun 2022 15:03

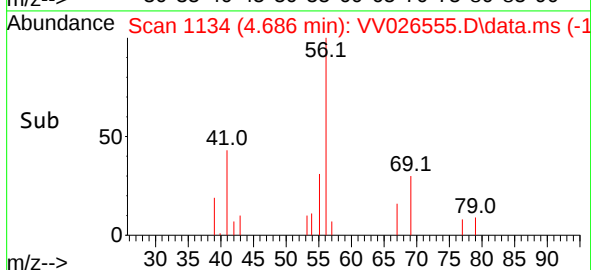
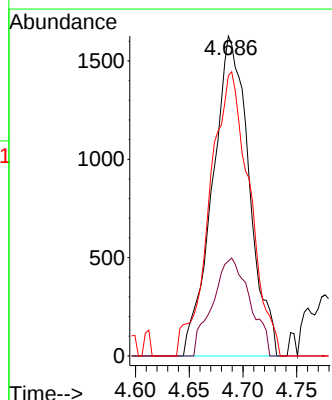
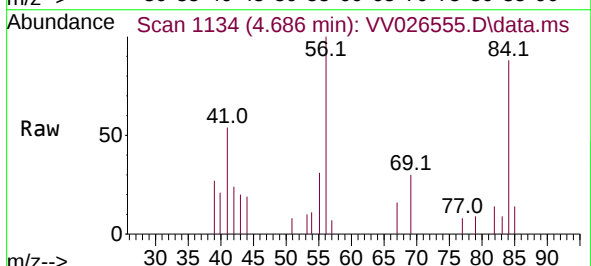
Tgt Ion: 56 Resp: 3849

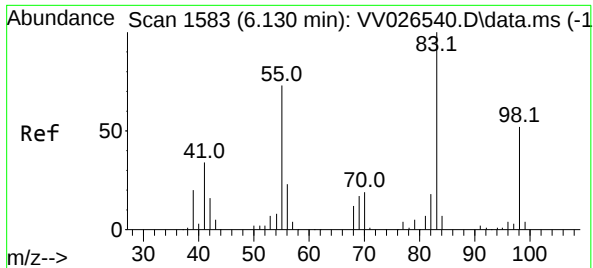
Ion Ratio Lower Upper

56 100

69 31.4 25.4 38.2

84 96.7 77.8 116.6





#35

Methylcyclohexane

Concen: 0.163 ug/L

RT: 6.136 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV026555.D

Acq: 24 Jun 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

C0AF1DL

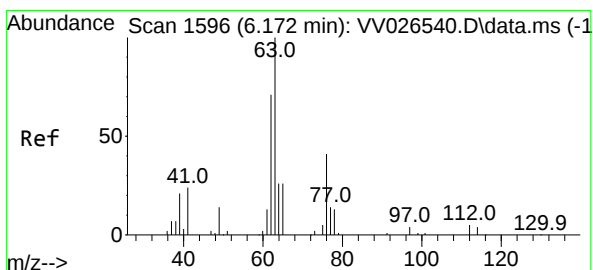
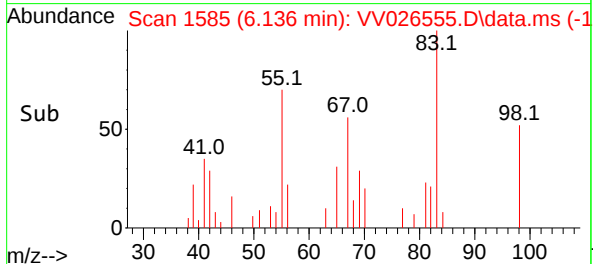
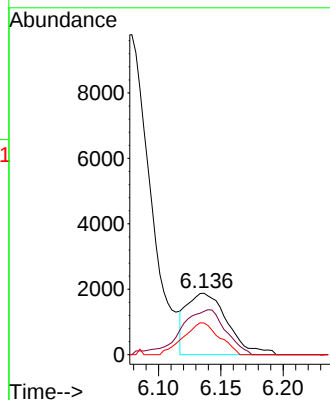
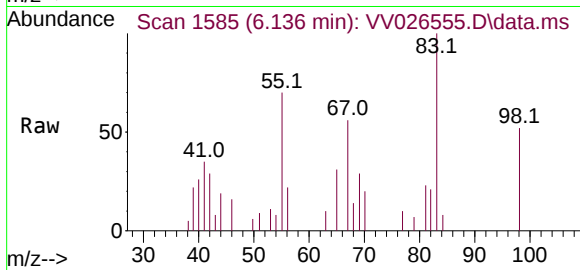
Tgt Ion: 83 Resp: 4274

Ion Ratio Lower Upper

83 100

55 81.5 57.0 85.4

98 45.4 39.8 59.8



#37

1,2-Dichloropropane

Concen: 0.558 ug/L

RT: 6.075 min Scan# 1566

Delta R.T. -0.097 min

Lab File: VV026555.D

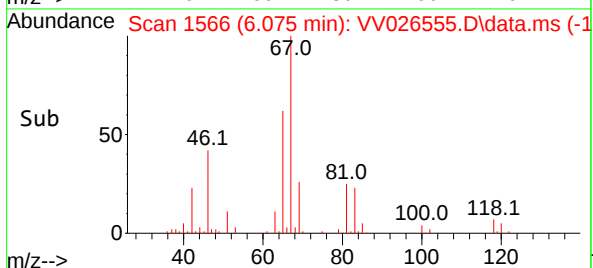
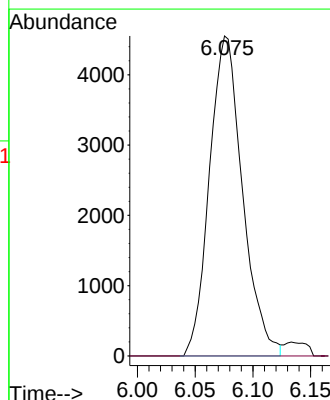
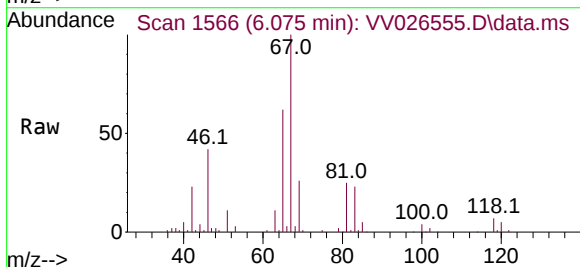
Acq: 24 Jun 2022 15:03

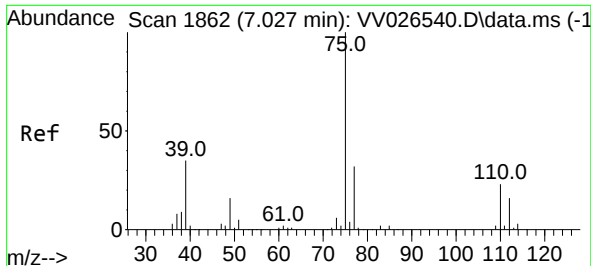
Tgt Ion: 63 Resp: 9068

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.4#





#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.036 min

Lab File: VV026555.D

Acq: 24 Jun 2022 15:03

Instrument :

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ClientSampleId :

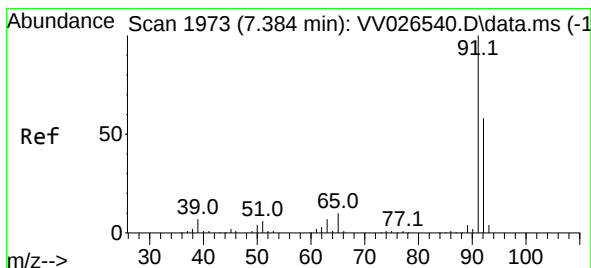
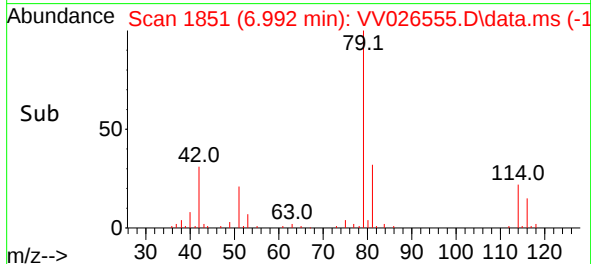
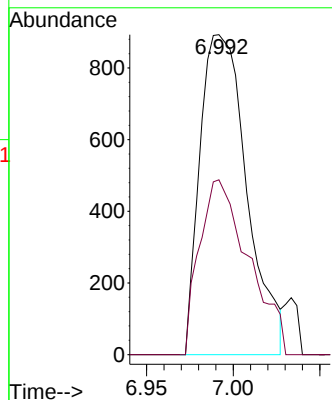
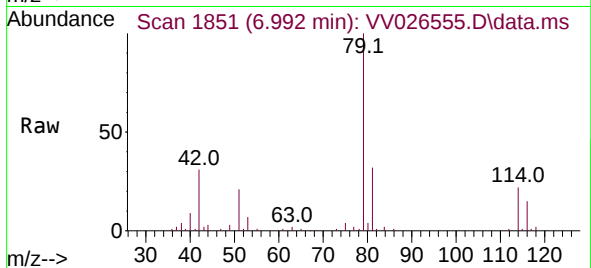
C0AF1DL

Tgt Ion: 75 Resp: 1685

Ion Ratio Lower Upper

75 100

77 54.6 22.8 42.4#



#42

Toluene

Concen: 8.120 ug/L

RT: 7.390 min Scan# 1975

Delta R.T. 0.006 min

Lab File: VV026555.D

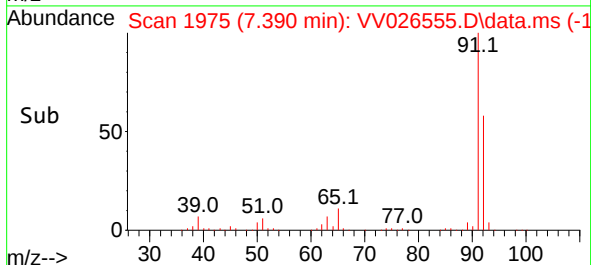
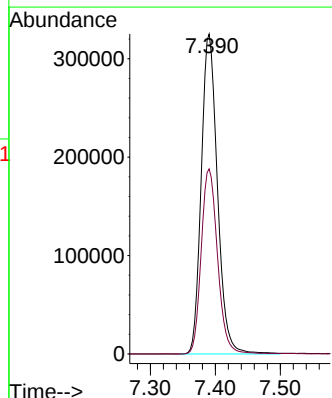
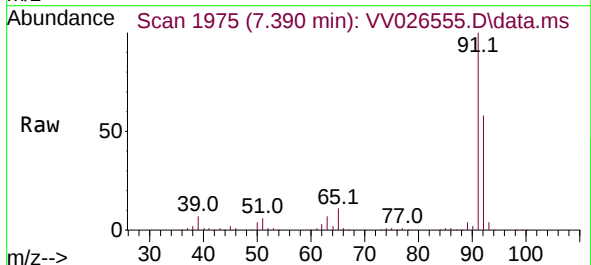
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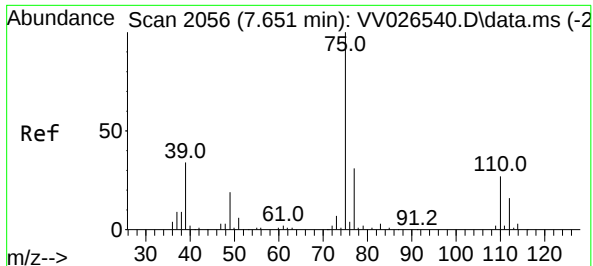
Tgt Ion: 91 Resp: 564684

Ion Ratio Lower Upper

91 100

92 57.9 40.3 74.9

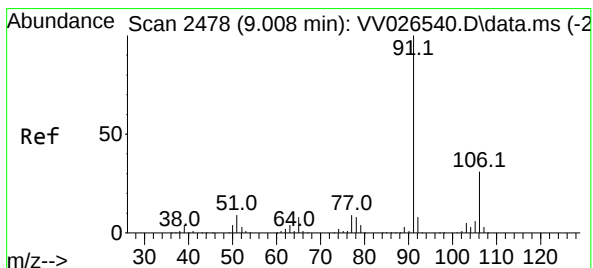
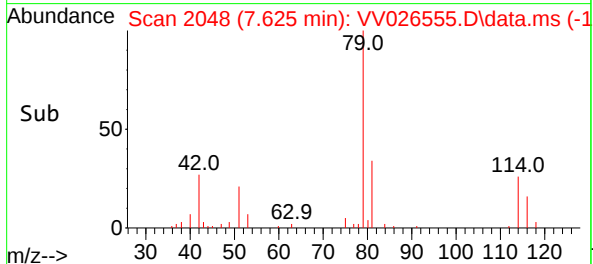
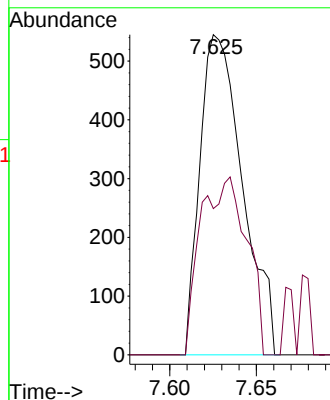
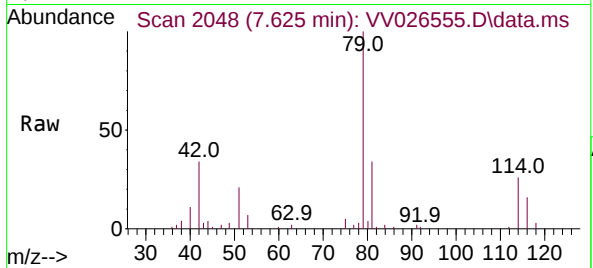




#44
trans-1,3-Dichloropropene
Concen: 0.077 ug/L
RT: 7.625 min Scan# 2056
Delta R.T. -0.026 min
Lab File: VV026555.D
Acq: 24 Jun 2022 15:03

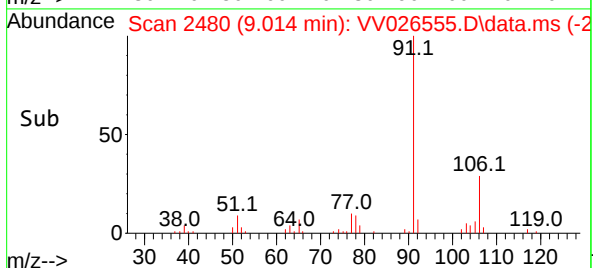
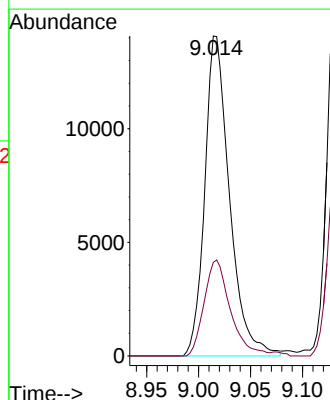
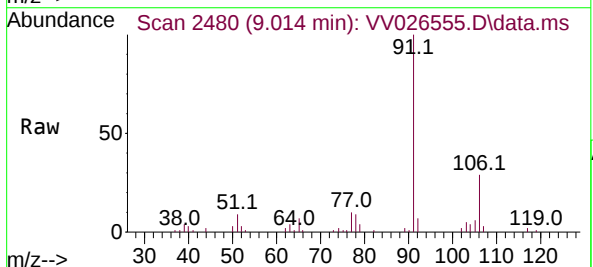
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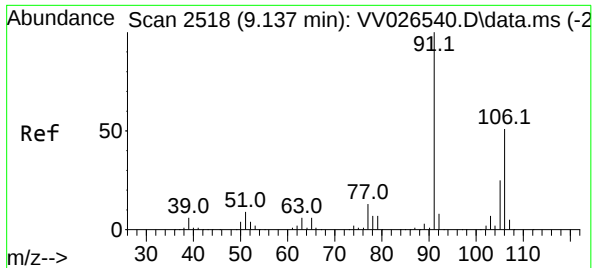
Tgt Ion: 75 Resp: 935
Ion Ratio Lower Upper
75 100
77 45.7 23.1 42.9#



#52
Ethylbenzene
Concen: 0.325 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.006 min
Lab File: VV026555.D
Acq: 24 Jun 2022 15:03

Tgt Ion: 91 Resp: 23344
Ion Ratio Lower Upper
91 100
106 29.3 22.1 41.1

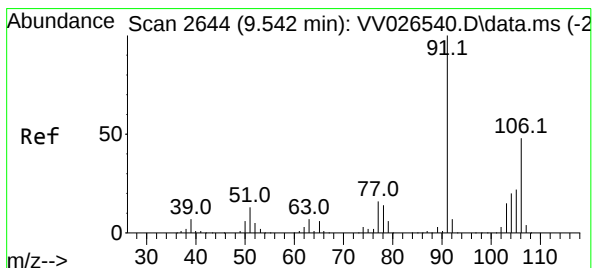
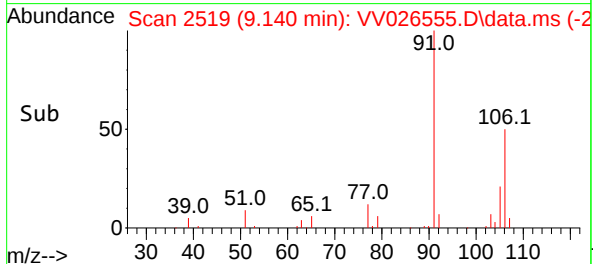
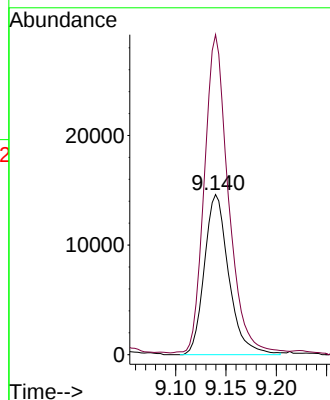
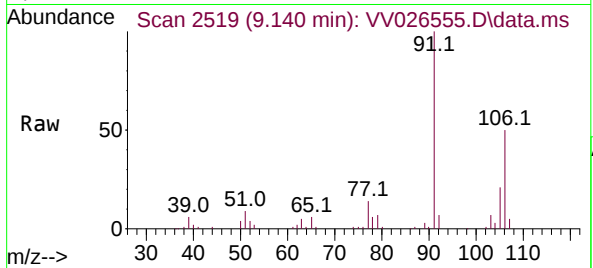




#53
m,p-Xylene
Concen: 0.879 ug/L
RT: 9.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV026555.D
Acq: 24 Jun 2022 15:03

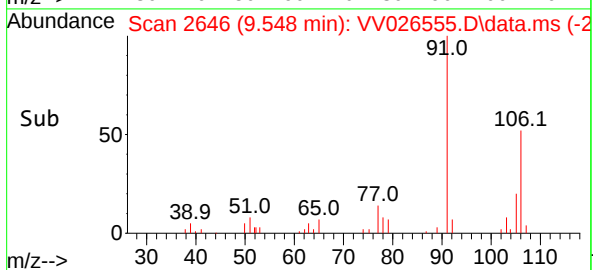
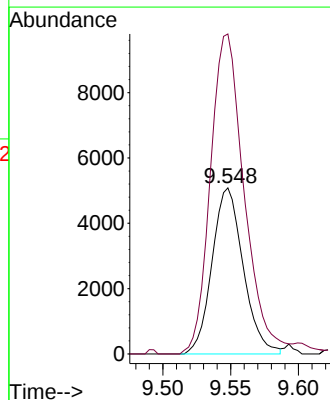
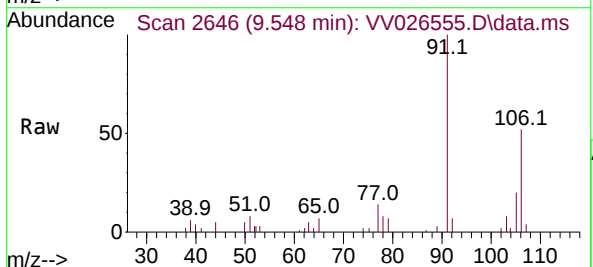
Instrument :
MSVOA_V
ClientSampleId :
C0AF1DL

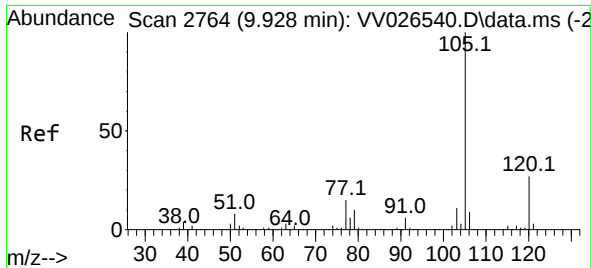
Tgt Ion:106 Resp: 24658
Ion Ratio Lower Upper
106 100
91 199.9 139.9 259.9



#54
o-Xylene
Concen: 0.309 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV026555.D
Acq: 24 Jun 2022 15:03

Tgt Ion:106 Resp: 8141
Ion Ratio Lower Upper
106 100
91 192.7 147.5 273.9

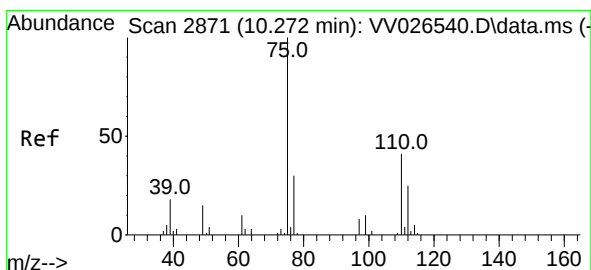
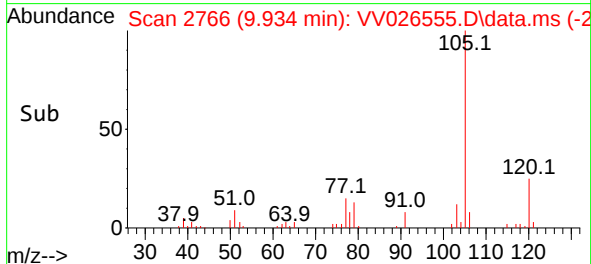
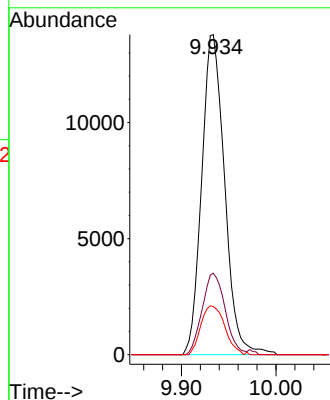
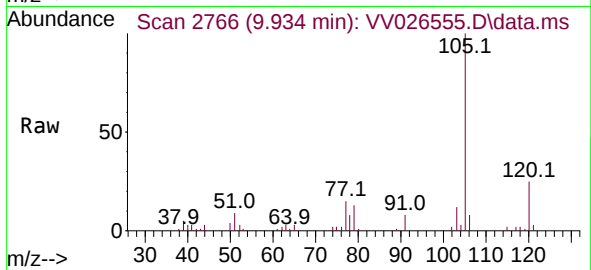




#60
Isopropylbenzene
Concen: 0.370 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV026555.D
Acq: 24 Jun 2022 15:03

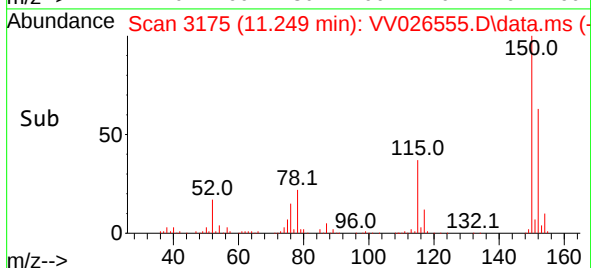
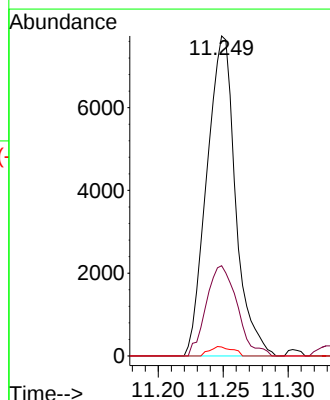
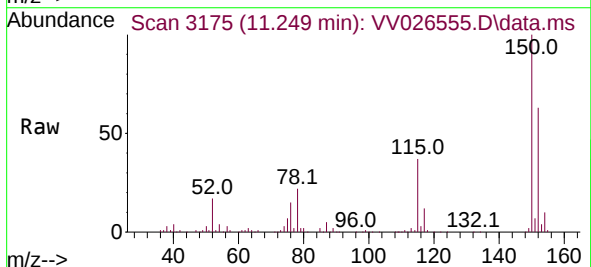
Instrument :
MSVOA_V
ClientSampleId :
C0AF1DL

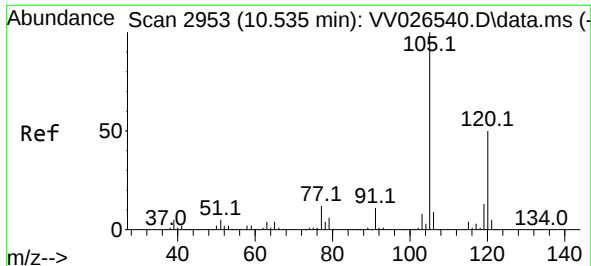
Tgt Ion:105 Resp: 23202
Ion Ratio Lower Upper
105 100
120 25.6 21.4 32.2
77 16.0 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 1.799 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV026555.D
Acq: 24 Jun 2022 15:03

Tgt Ion: 75 Resp: 11862
Ion Ratio Lower Upper
75 100
77 30.5 25.8 38.6
110 2.4 32.5 48.7#





#62

1,3,5-Trimethylbenzene

Concen: 0.061 ug/L

RT: 10.545 min Scan# 2953

Delta R.T. 0.009 min

Lab File: VV026555.D

Acq: 24 Jun 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

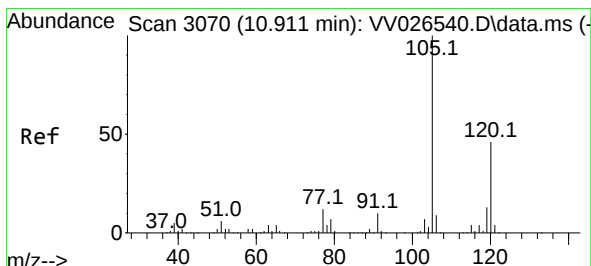
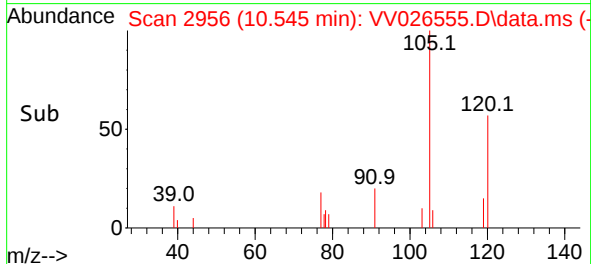
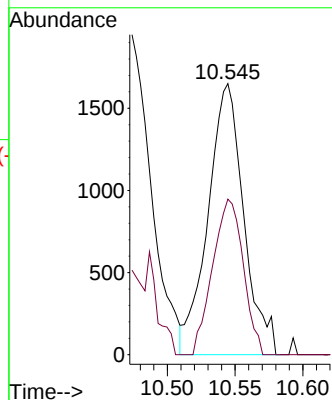
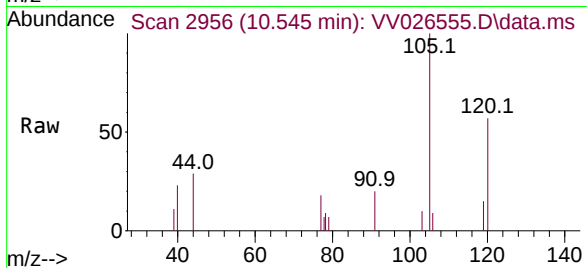
C0AF1DL

Tgt Ion:105 Resp: 3029

Ion Ratio Lower Upper

105 100

120 49.0 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 0.223 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.006 min

Lab File: VV026555.D

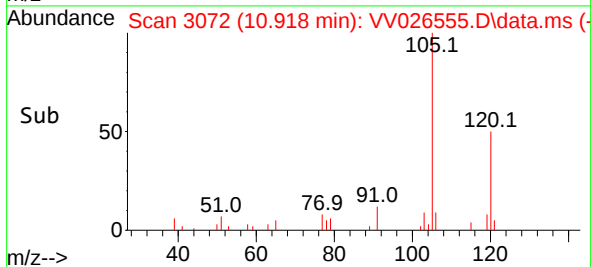
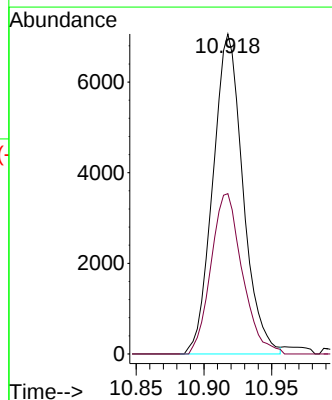
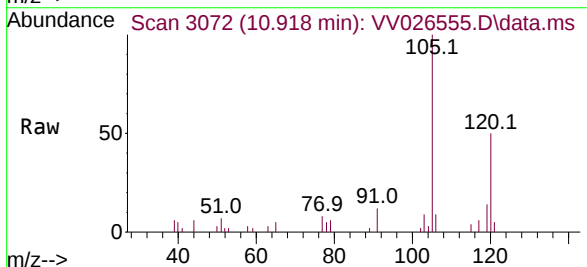
Acq: 24 Jun 2022 15:03

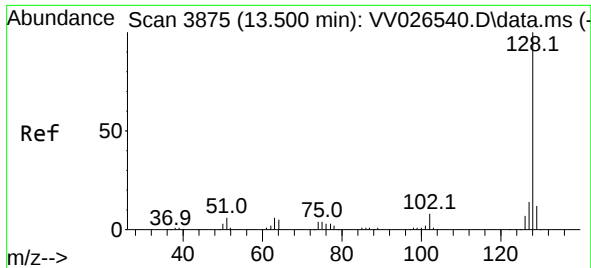
Tgt Ion:105 Resp: 10897

Ion Ratio Lower Upper

105 100

120 52.0 37.4 56.2





#71

Naphthalene

Concen: 1.584 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. 0.003 min

Lab File: VV026555.D

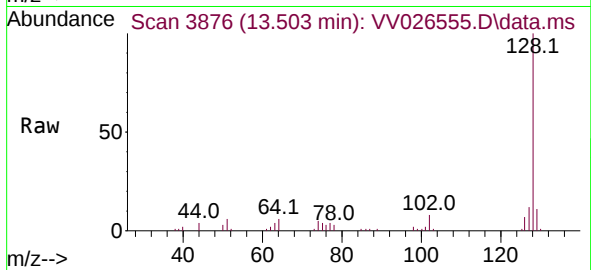
Acq: 24 Jun 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

C0AF1DL



Tgt Ion:128 Resp: 32052

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 12.6 10.2 15.4

