

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061822\
 Data File : VW026426.D
 Acq On : 18 Jun 2022 16:36
 Operator : SY/MD
 Sample : N3256-12
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 20 01:30:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jun 20 01:25:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	286592	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	261331	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	125351	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	82194	3.302	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.000%
7) Chloroethane-d5	1.584	69	70721	3.613	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.200%
11) 1,1-Dichloroethene-d2	2.124	63	120966	2.830	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.600%#
20) 2-Butanone-d5	3.931	46	104094	42.856	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.720%
24) Chloroform-d	4.358	84	169958	4.658	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.040	65	66767	4.325	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
32) Benzene-d6	5.056	84	352176	5.041	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
36) 1,2-Dichloropropane-d6	6.072	67	97371	4.775	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.317	98	309744	4.862	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
43) trans-1,3-Dichloroprop...	7.625	79	23214	3.511	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.200%
46) 2-Hexanone-d5	8.091	63	91875	45.998	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.000%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	57948	4.613	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	103989	5.386	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.259	50	1533	0.064	ug/L #	70
6) Bromomethane	1.542	94	699	0.051	ug/L	83
8) Chloroethane	1.555	64	279959	18.229	ug/L #	50
14) Carbon disulfide	2.310	76	13654	0.306	ug/L	99
21) 2-Butanone	4.111	43	14047	5.767	ug/L #	50
25) Chloroform	4.387	83	60046	1.653	ug/L	100
33) Benzene	5.111	78	3144	0.047	ug/L	100
35) Methylcyclohexane	6.072	83	24341	0.962	ug/L #	20
37) 1,2-Dichloropropane	6.075	63	10079	0.575	ug/L #	88
38) Bromodichloromethane	6.519	83	997	0.047	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	1740	0.087	ug/L #	72
42) Toluene	7.394	91	39090	0.555	ug/L	99
52) Ethylbenzene	9.011	91	78544	1.112	ug/L	99
53) m,p-Xylene	9.136	106	106159	3.855	ug/L	97
54) o-Xylene	9.541	106	42338	1.587	ug/L	96
55) Styrene	9.545	104	2937	0.066	ug/L #	1
60) Isopropylbenzene	9.541	105	18977	0.284	ug/L #	28
61) 1,2,3-Trichloropropane	10.448	75	748	0.092	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	33220	0.626	ug/L	97

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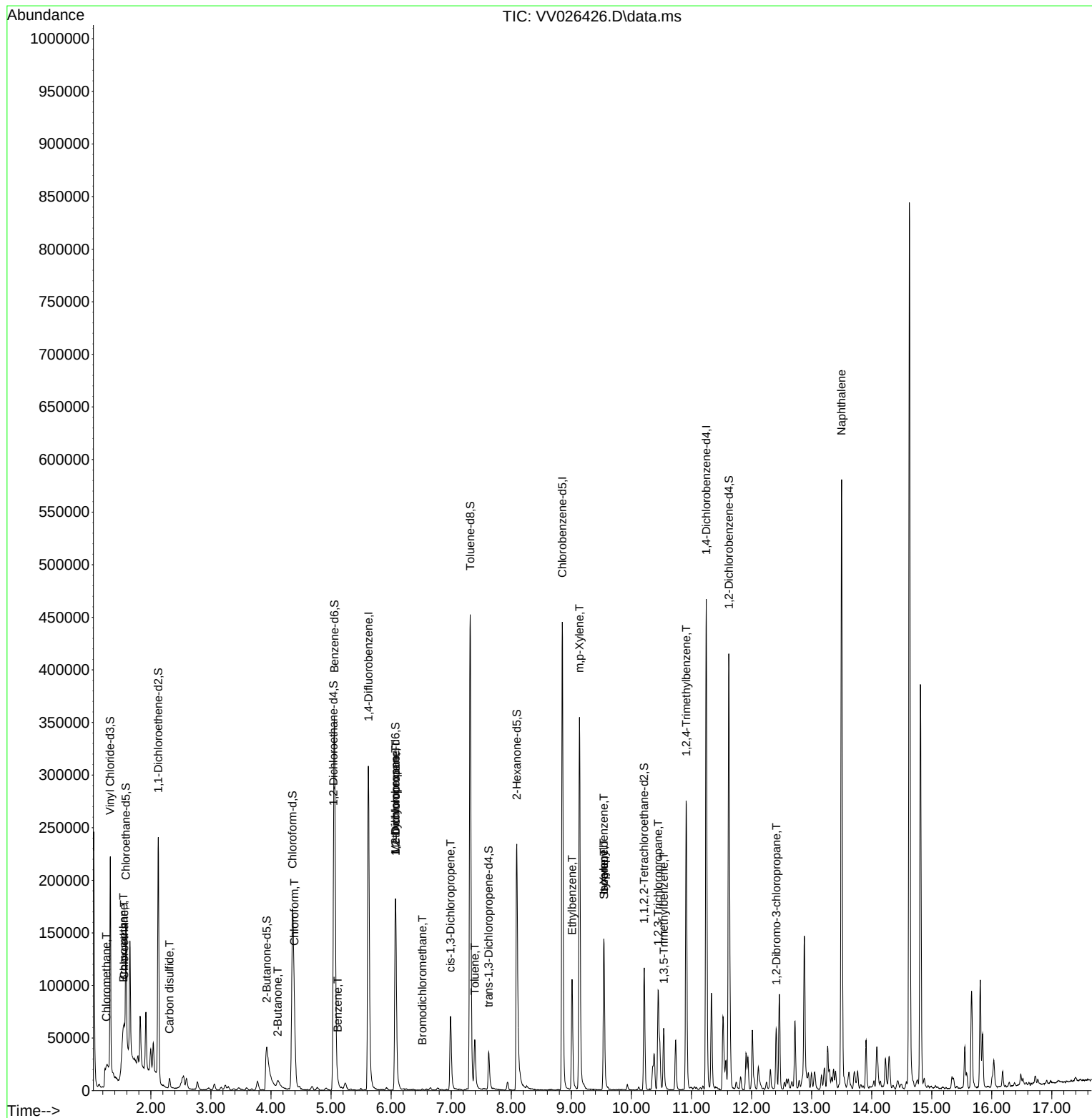
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.911	105	155425	2.961	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.413	75	211	0.146	ug/L #	3
71) Naphthalene	13.500	128	458679	18.866	ug/L	100

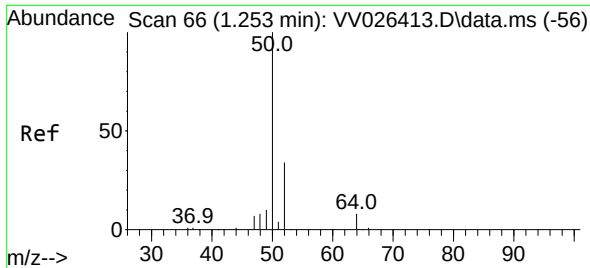
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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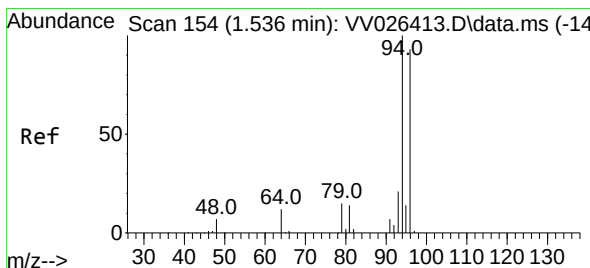
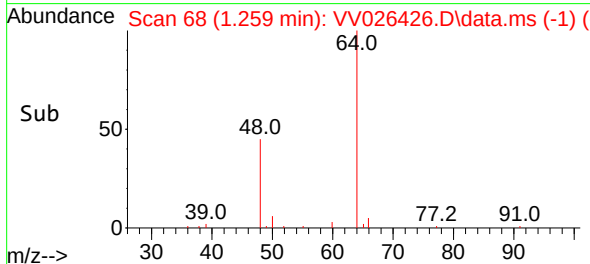
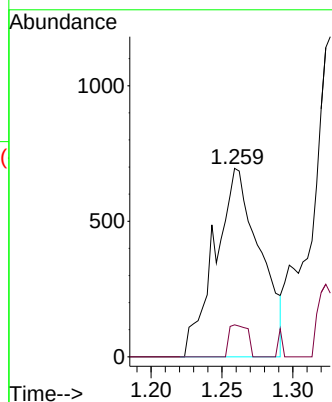
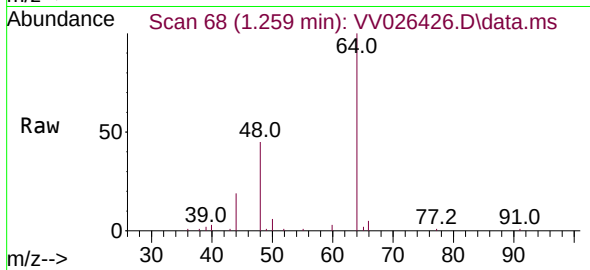




#3
Chloromethane
Concen: 0.064 ug/L
RT: 1.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VV026426.D
Acq: 18 Jun 2022 16:36

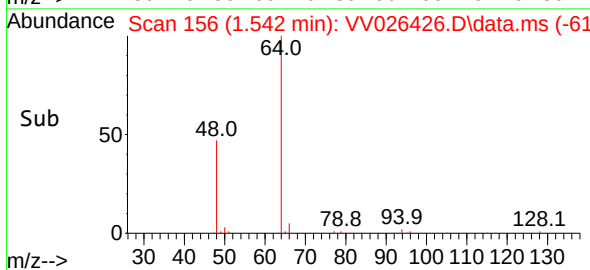
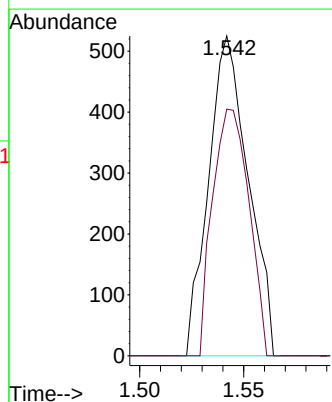
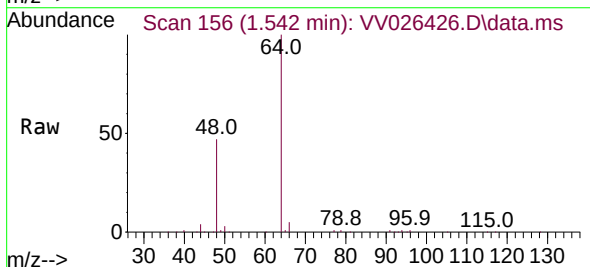
Instrument :
MSVOA_V
ClientSampleId :

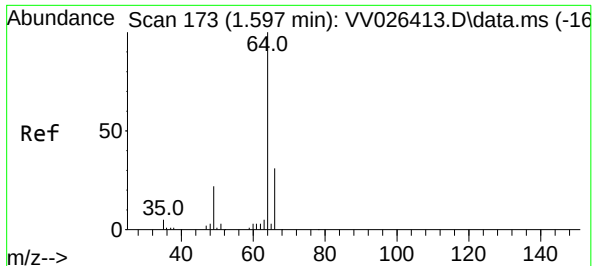
Tgt Ion: 50 Resp: 1533
Ion Ratio Lower Upper
50 100
52 17.0 23.7 44.1#



#6
Bromomethane
Concen: 0.051 ug/L
RT: 1.542 min Scan# 156
Delta R.T. 0.006 min
Lab File: VV026426.D
Acq: 18 Jun 2022 16:36

Tgt Ion: 94 Resp: 699
Ion Ratio Lower Upper
94 100
96 77.1 65.7 121.9

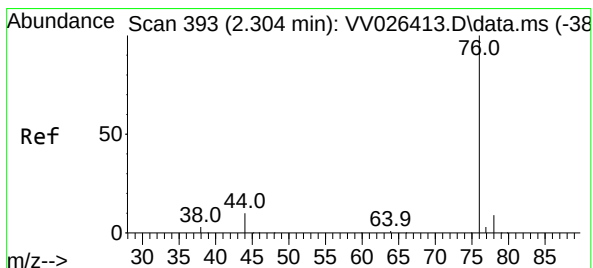
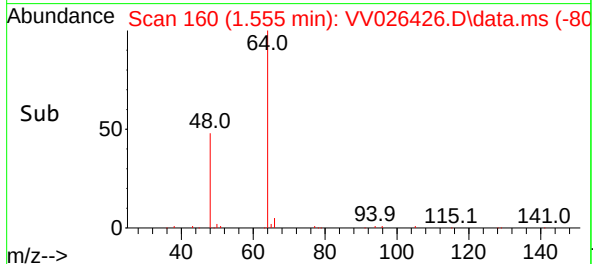
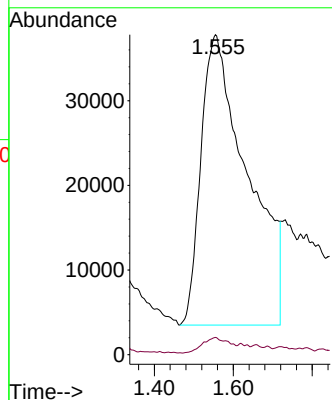
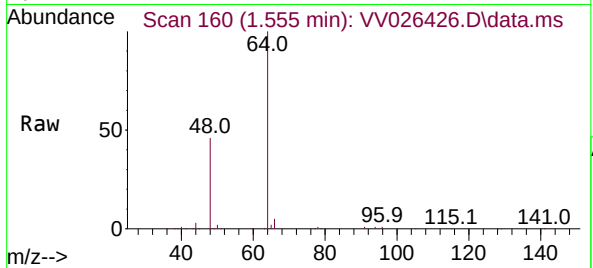




#8
Chloroethane
Concen: 18.229 ug/L
RT: 1.555 min Scan# 11
Delta R.T. -0.042 min
Lab File: VV026426.D
Acq: 18 Jun 2022 16:36

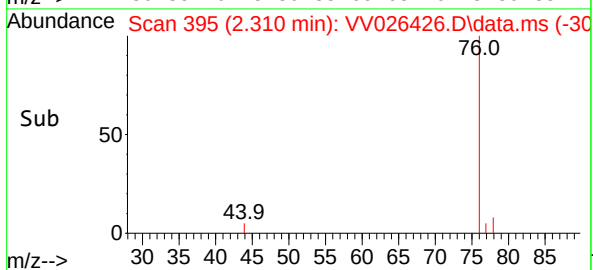
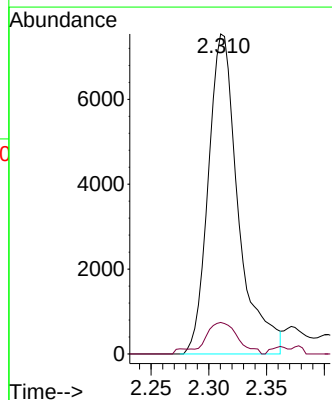
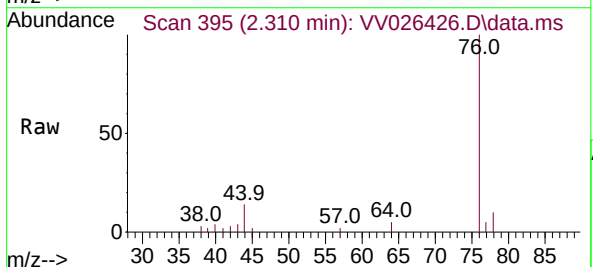
Instrument :
MSVOA_V
ClientSampleId :

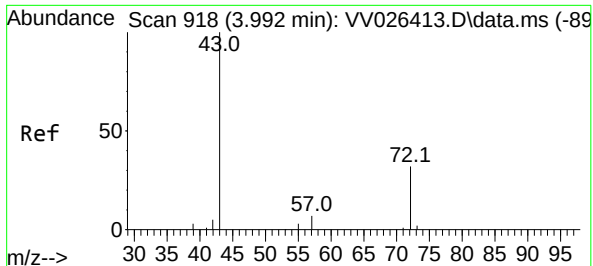
Tgt Ion: 64 Resp: 279959
Ion Ratio Lower Upper
64 100
66 5.4 24.1 44.7#



#14
Carbon disulfide
Concen: 0.306 ug/L
RT: 2.310 min Scan# 395
Delta R.T. 0.006 min
Lab File: VV026426.D
Acq: 18 Jun 2022 16:36

Tgt Ion: 76 Resp: 13654
Ion Ratio Lower Upper
76 100
78 9.8 7.7 11.5





#21

2-Butanone

Concen: 5.767 ug/L

RT: 4.111 min Scan# 918

Delta R.T. 0.119 min

Lab File: VV026426.D

Acq: 18 Jun 2022 16:36

Instrument :

MSVOA_V

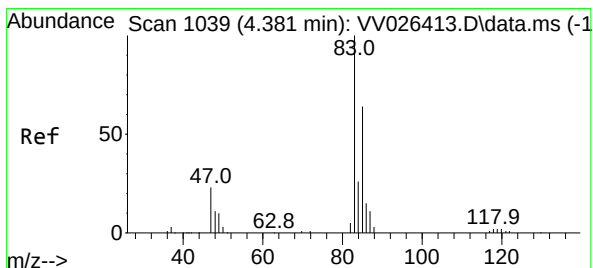
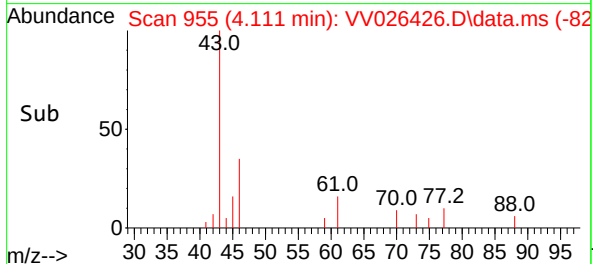
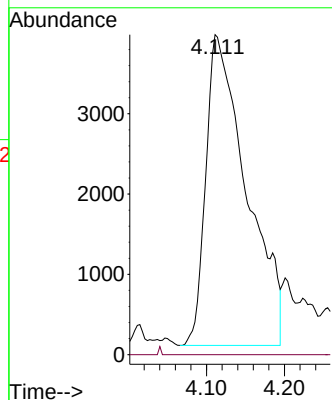
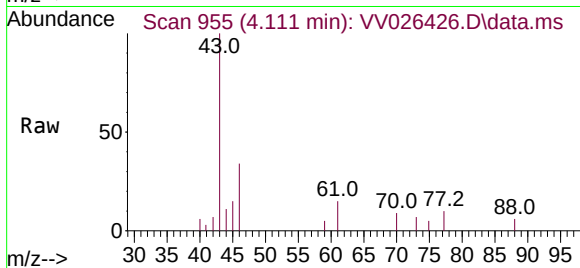
ClientSampleId :

Tgt Ion: 43 Resp: 14047

Ion Ratio Lower Upper

43 100

72 0.1 12.7 38.0#



#25

Chloroform

Concen: 1.653 ug/L

RT: 4.387 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VV026426.D

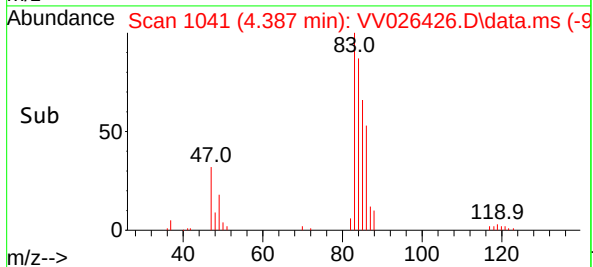
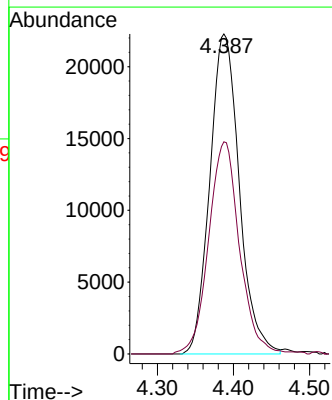
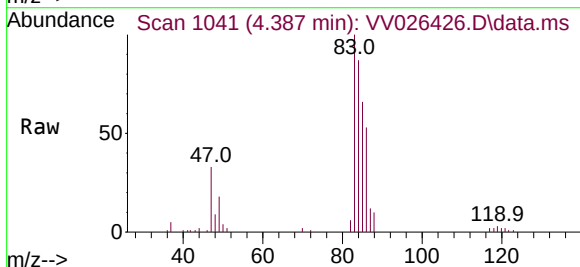
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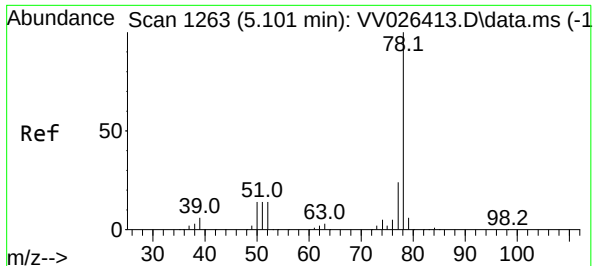
Tgt Ion: 83 Resp: 60046

Ion Ratio Lower Upper

83 100

85 66.3 46.5 86.3

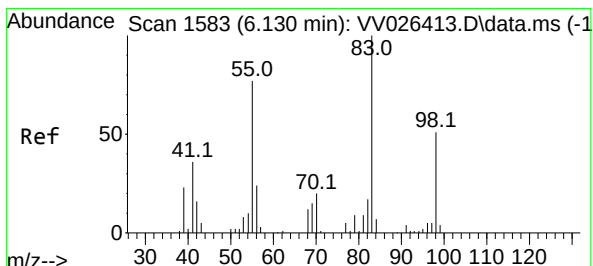
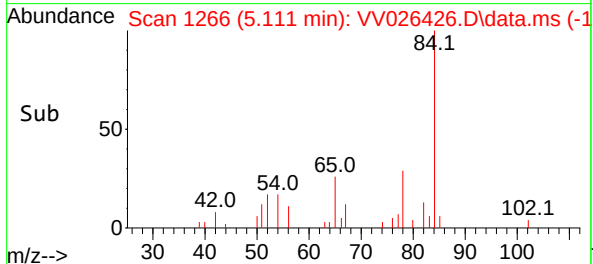
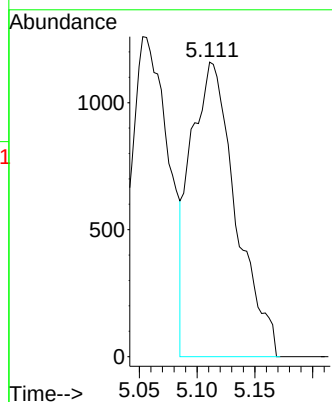
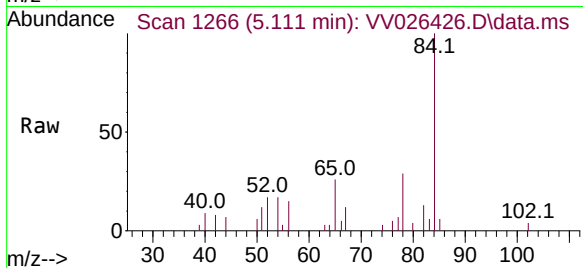




#33
Benzene
Concen: 0.047 ug/L
RT: 5.111 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV026426.D
Acq: 18 Jun 2022 16:36

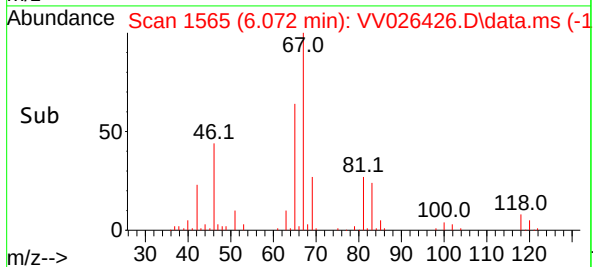
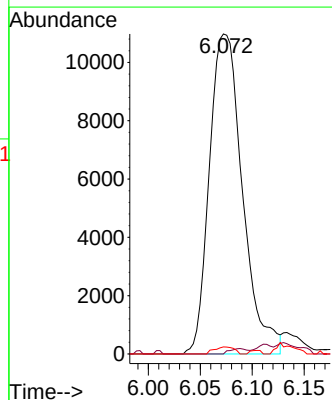
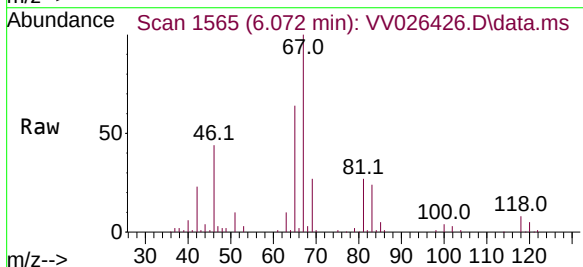
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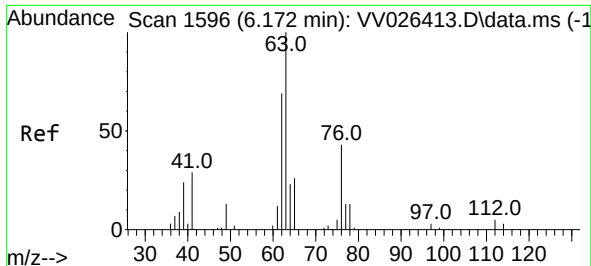
Tgt Ion: 78 Resp: 3144



#35
Methylcyclohexane
Concen: 0.962 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV026426.D
Acq: 18 Jun 2022 16:36

Tgt Ion: 83 Resp: 24341
Ion Ratio Lower Upper
83 100
55 0.9 59.3 88.9#
98 1.3 39.9 59.9#





#37

1,2-Dichloropropane

Concen: 0.575 ug/L

RT: 6.075 min Scan# 1

Delta R.T. -0.097 min

Lab File: VV026426.D

Acq: 18 Jun 2022 16:36

Instrument :

MSVOA_V

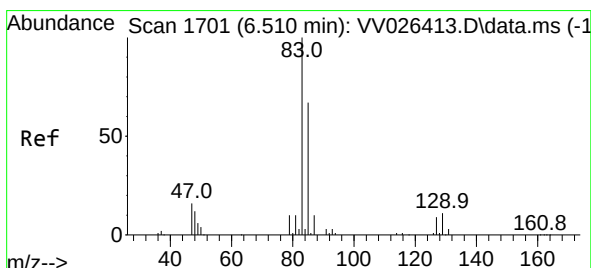
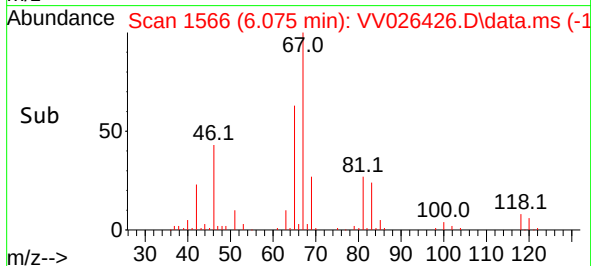
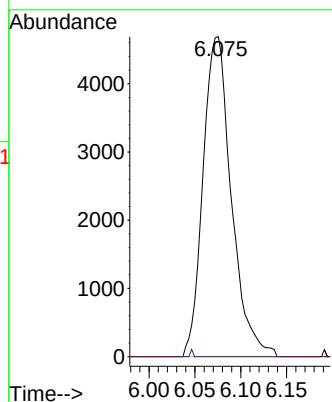
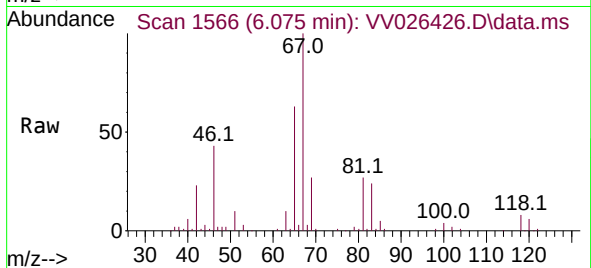
ClientSampleId :

Tgt Ion: 63 Resp: 10079

Ion Ratio Lower Upper

63 100

112 0.2 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.047 ug/L

RT: 6.519 min Scan# 1704

Delta R.T. 0.009 min

Lab File: VV026426.D

Acq: 18 Jun 2022 16:36

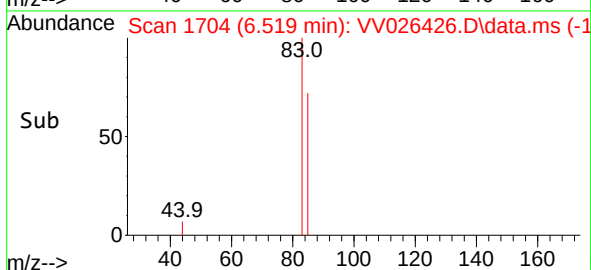
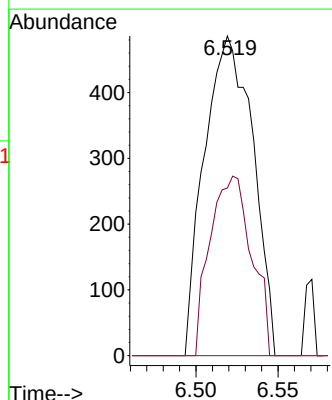
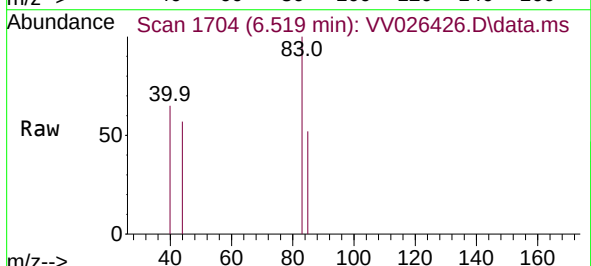
Tgt Ion: 83 Resp: 997

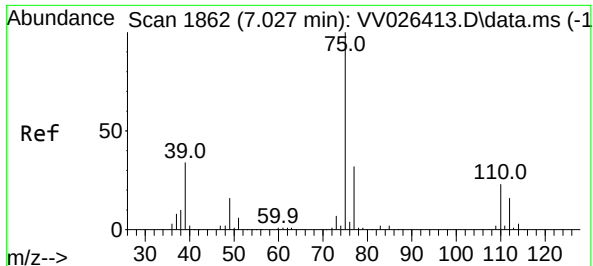
Ion Ratio Lower Upper

83 100

85 52.5 45.6 84.6

127 0.0 7.2 10.8#





#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.039 min

Lab File: VV026426.D

Acq: 18 Jun 2022 16:36

Instrument :

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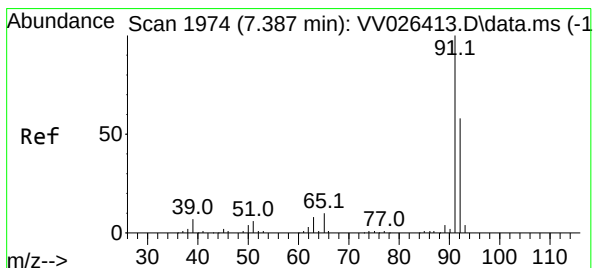
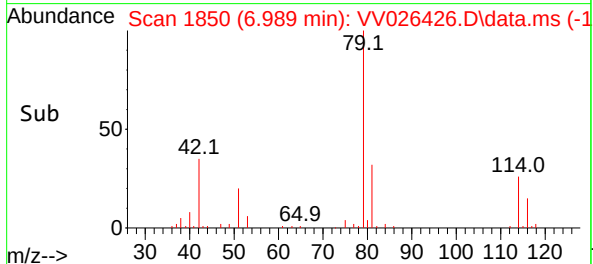
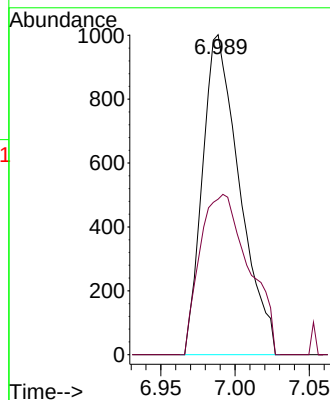
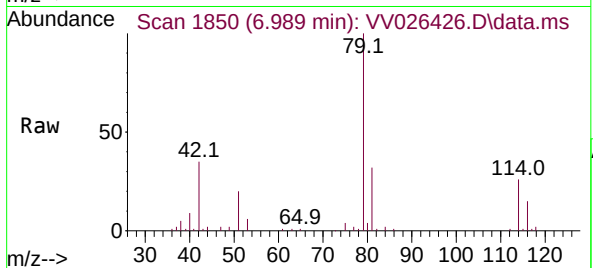
ClientSampleId :

Tgt Ion: 75 Resp: 1740

Ion Ratio Lower Upper

75 100

77 48.6 23.0 42.6#



#42

Toluene

Concen: 0.555 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VV026426.D

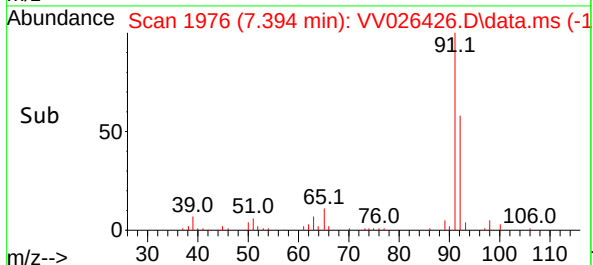
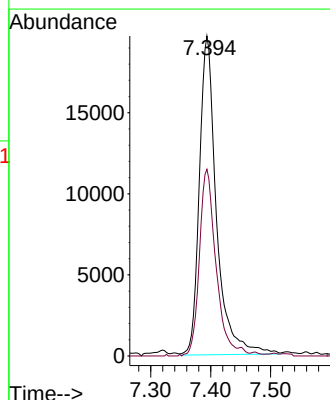
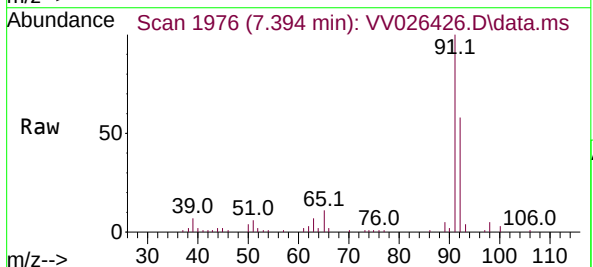
Acq: 18 Jun 2022 16:36

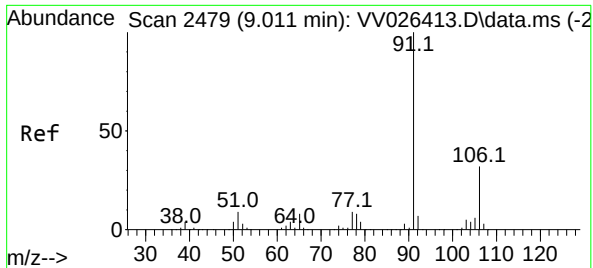
Tgt Ion: 91 Resp: 39090

Ion Ratio Lower Upper

91 100

92 58.3 40.1 74.5

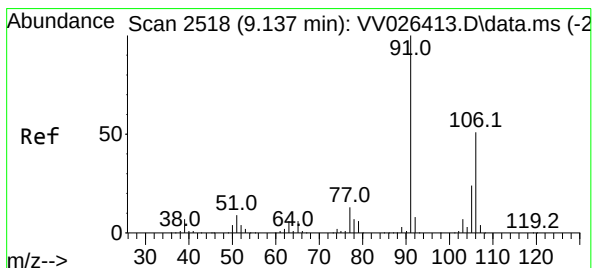
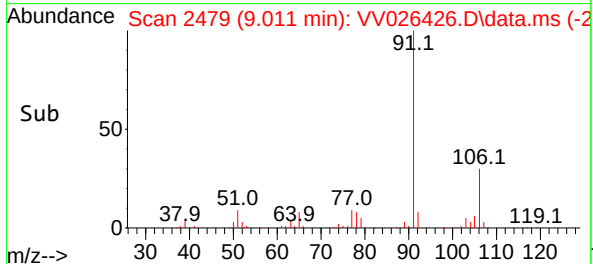
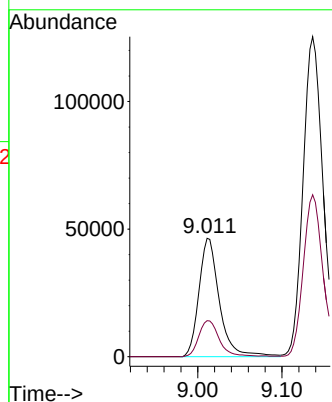
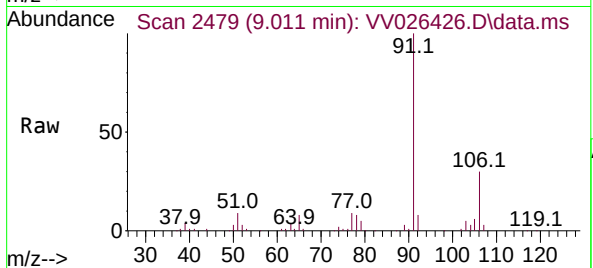




#52
Ethylbenzene
Concen: 1.112 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. -0.000 min
Lab File: VV026426.D
Acq: 18 Jun 2022 16:36

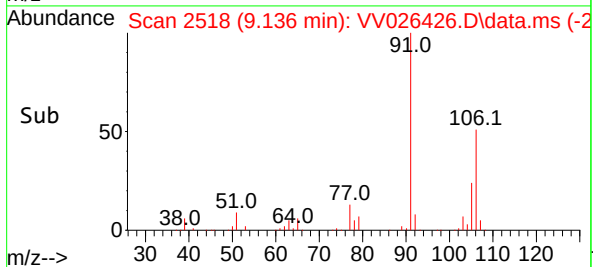
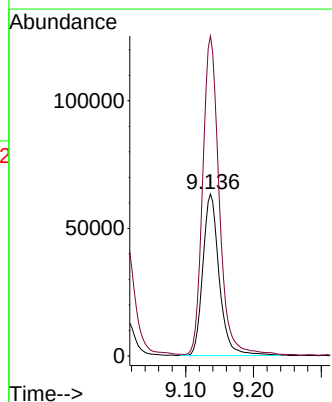
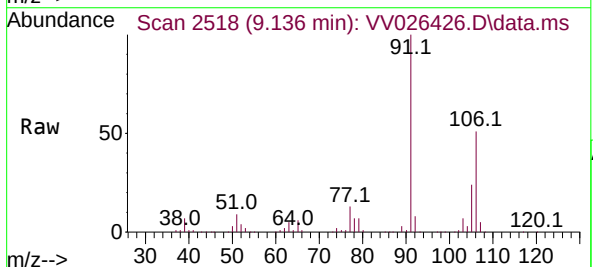
Instrument :
MSVOA_V
ClientSampleId :

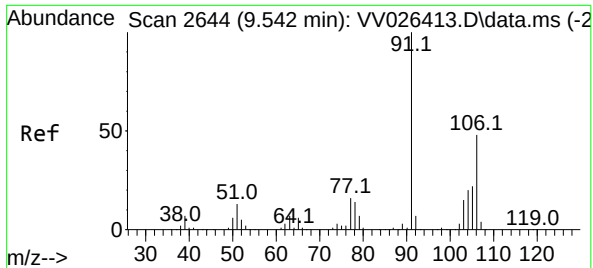
Tgt Ion: 91 Resp: 78544
Ion Ratio Lower Upper
91 100
106 30.4 21.6 40.0



#53
m,p-Xylene
Concen: 3.855 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. -0.000 min
Lab File: VV026426.D
Acq: 18 Jun 2022 16:36

Tgt Ion: 106 Resp: 106159
Ion Ratio Lower Upper
106 100
91 197.7 141.3 262.3

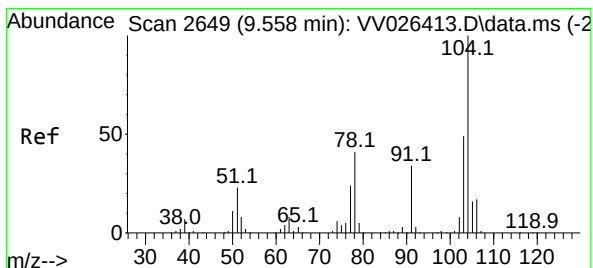
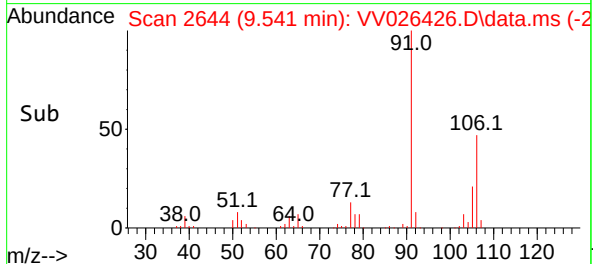
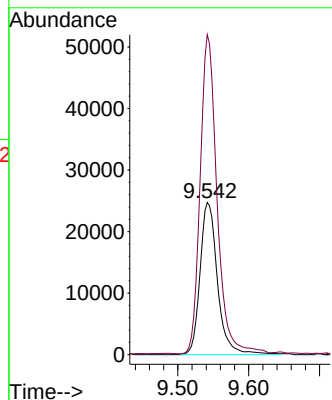
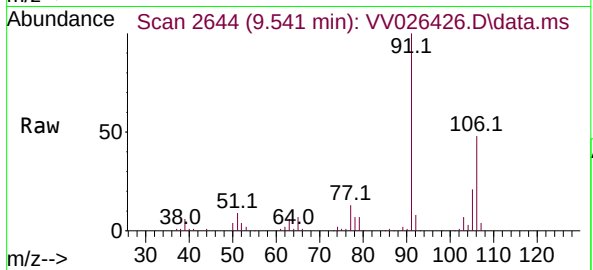




#54
o-Xylene
Concen: 1.587 ug/L
RT: 9.541 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV026426.D
Acq: 18 Jun 2022 16:36

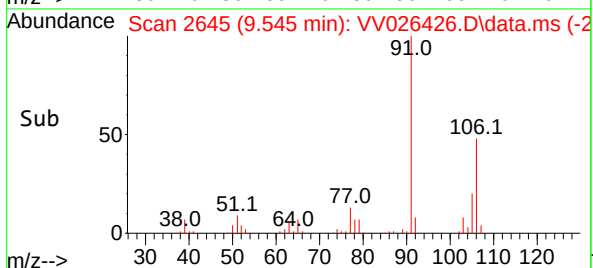
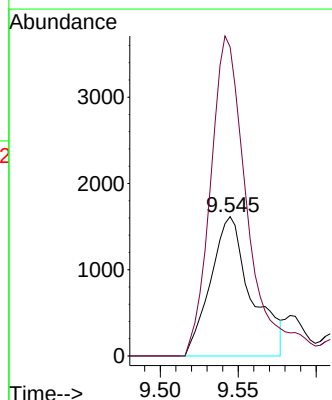
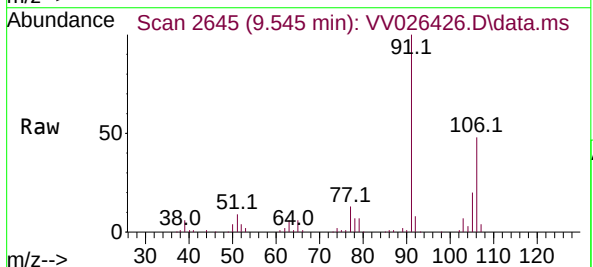
Instrument :
MSVOA_V
ClientSampleId :

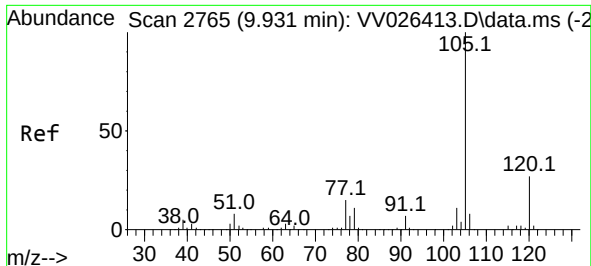
Tgt Ion:106 Resp: 42338
Ion Ratio Lower Upper
106 100
91 210.3 143.3 266.1



#55
Styrene
Concen: 0.066 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.013 min
Lab File: VV026426.D
Acq: 18 Jun 2022 16:36

Tgt Ion:104 Resp: 2937
Ion Ratio Lower Upper
104 100
78 221.7 29.5 54.7#

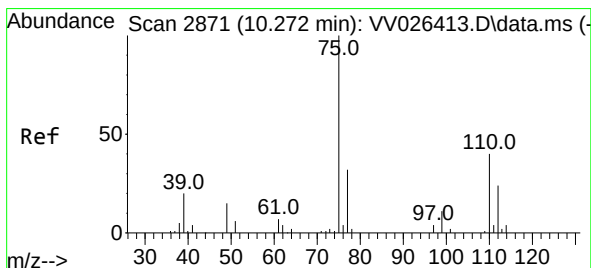
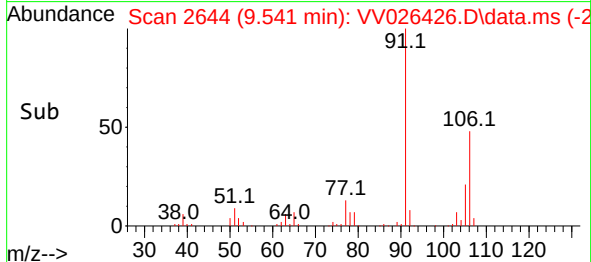
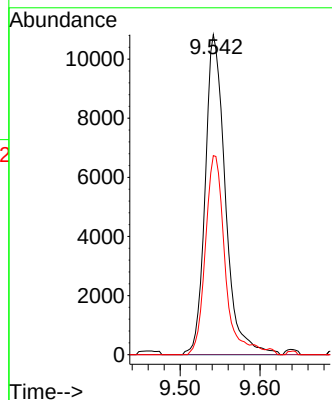
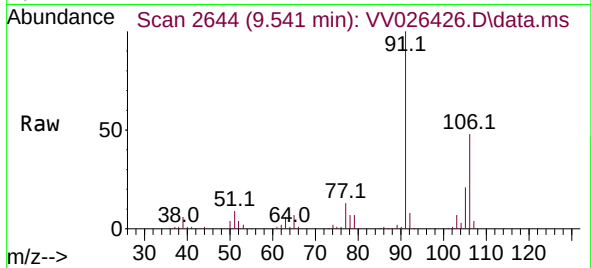




#60
Isopropylbenzene
Concen: 0.284 ug/L
RT: 9.541 min Scan# 21
Delta R.T. -0.389 min
Lab File: VV026426.D
Acq: 18 Jun 2022 16:36

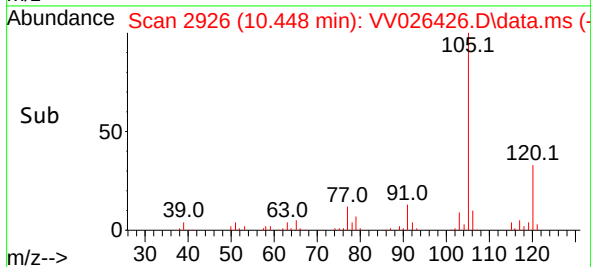
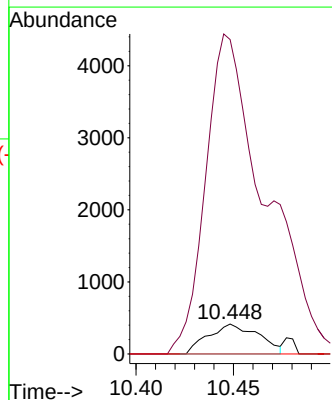
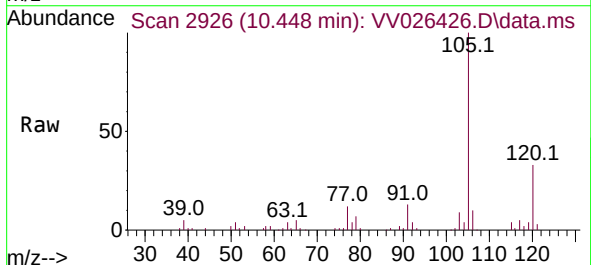
Instrument :
MSVOA_V
ClientSampleId :

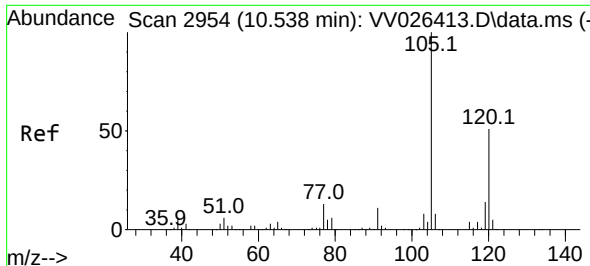
Tgt Ion:105 Resp: 18977
Ion Ratio Lower Upper
105 100
120 0.0 21.5 32.3#
77 60.5 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 0.092 ug/L
RT: 10.448 min Scan# 2926
Delta R.T. 0.177 min
Lab File: VV026426.D
Acq: 18 Jun 2022 16:36

Tgt Ion: 75 Resp: 748
Ion Ratio Lower Upper
75 100
77 1267.6 26.9 40.3#
110 0.0 30.7 46.1#





#62

1,3,5-Trimethylbenzene

Concen: 0.626 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV026426.D

Acq: 18 Jun 2022 16:36

Instrument :

MSVOA_V

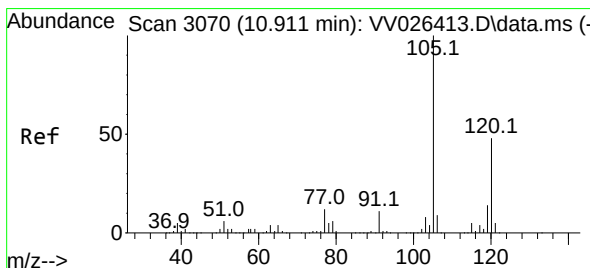
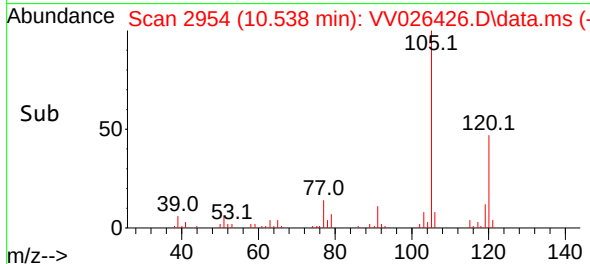
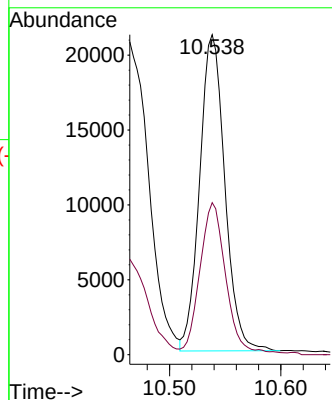
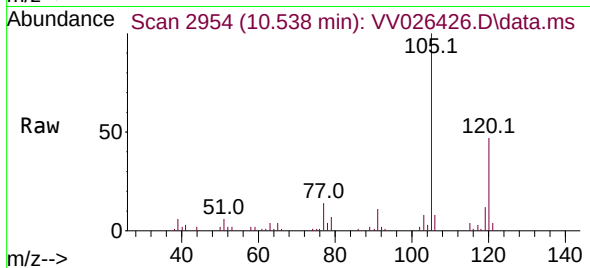
ClientSampleId :

Tgt Ion:105 Resp: 33220

Ion Ratio Lower Upper

105 100

120 48.2 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 2.961 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.000 min

Lab File: VV026426.D

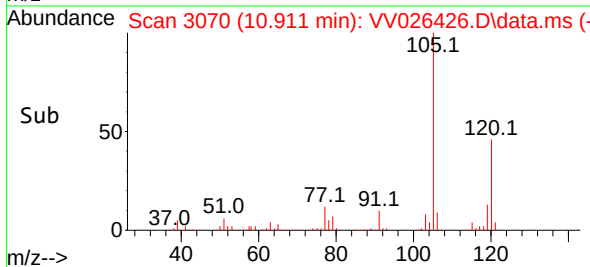
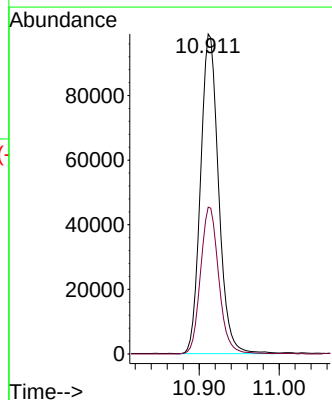
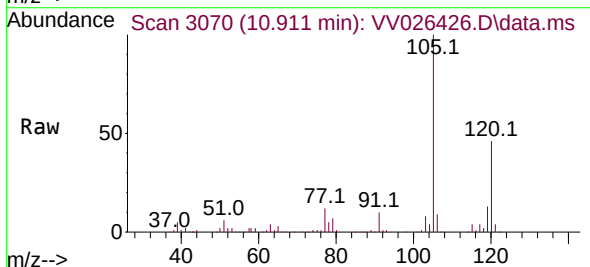
Acq: 18 Jun 2022 16:36

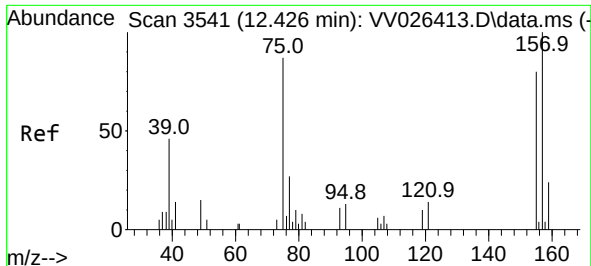
Tgt Ion:105 Resp: 155425

Ion Ratio Lower Upper

105 100

120 46.4 36.9 55.3





#68

1,2-Dibromo-3-chloropropane

Concen: 0.146 ug/L

RT: 12.413 min Scan# 3537

Delta R.T. -0.013 min

Lab File: VV026426.D

Acq: 18 Jun 2022 16:36

Instrument :

MSVOA_V

ClientSampleId :

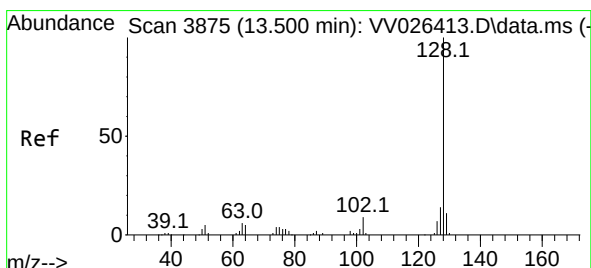
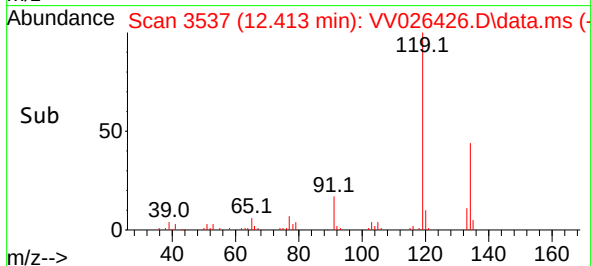
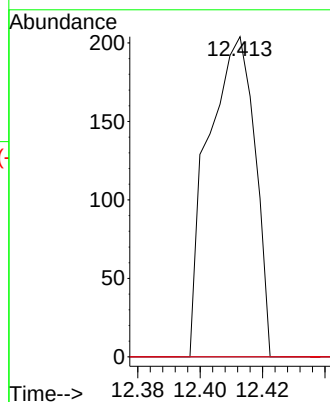
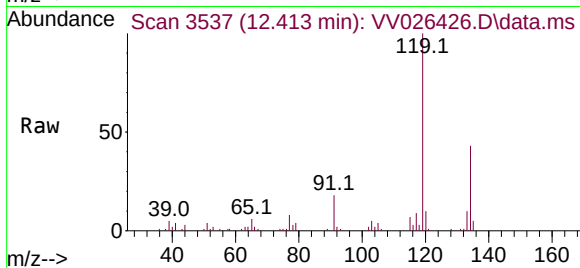
Tgt Ion: 75 Resp: 211

Ion Ratio Lower Upper

75 100

155 0.0 63.7 95.5#

157 0.0 85.0 127.6#



#71

Naphthalene

Concen: 18.866 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV026426.D

Acq: 18 Jun 2022 16:36

Tgt Ion: 128 Resp: 458679

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.0 10.6 16.0

