

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072722\
 Data File : VW026999.D
 Acq On : 27 Jul 2022 15:19
 Operator : SY/MD
 Sample : N3841-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUC6

Quant Time: Jul 28 01:43:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 28 01:41:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	458942	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	465598	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	221288	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	152862	39.713	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.420%
7) Chloroethane-d5	1.558	69	128603	41.299	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.098	63	268302	38.744	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.480%
21) 2-Butanone-d5	3.886	46	311117	119.913	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.910%
24) Chloroform-d	4.339	84	413125	54.535	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.060%
26) 1,2-Dichloroethane-d4	5.024	65	235779	54.411	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.820%
32) Benzene-d6	5.043	84	757111	53.795	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.580%
36) 1,2-Dichloropropane-d6	6.063	67	251029	55.347	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.700%
41) Toluene-d8	7.314	98	603966	49.046	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.100%
43) trans-1,3-Dichloroprop...	7.619	79	96469	50.761	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.520%
47) 2-Hexanone-d5	8.088	63	222971	112.905	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.910%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	376332	54.619	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.240%
66) 1,2-Dichlorobenzene-d4	11.622	152	248495	59.857	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.720%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.304	62	137824	29.242	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.098	101	2614	0.688	ug/L #	22
12) 1,1-Dichloroethene	2.108	96	72480	20.426	ug/L #	67
13) Acetone	2.175	43	283346	155.535	ug/L	97
19) 1,1-Dichloroethane	3.182	63	157722	22.840	ug/L	99
22) 2-Butanone	3.966	43	359395	144.647	ug/L	97
25) Chloroform	4.365	83	536309	72.819	ug/L	98
27) 1,2-Dichloroethane	5.124	62	215826	41.528	ug/L	98
30) 1,1,1-Trichloroethane	4.600	97	151661	24.654	ug/L	98
33) Benzene	5.092	78	380277	25.397	ug/L	100
46) Tetrachloroethene	7.982	164	3738	1.245	ug/L	97
50) 1,2-Dibromoethane	8.349	107	256501	60.410	ug/L	98
51) Chlorobenzene	8.879	112	251375	23.597	ug/L	99
52) Ethylbenzene	9.011	91	900566	56.768	ug/L	99
54) o-Xylene	9.542	106	378041	63.192	ug/L	100
55) Styrene	9.542	104	24208	2.291	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	12.426	75	72767	61.338	ug/L	96

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Quant Title : VOC Analysis
QLast Update : Thu Jul 28 01:41:31 2022
Response via : Initial Calibration

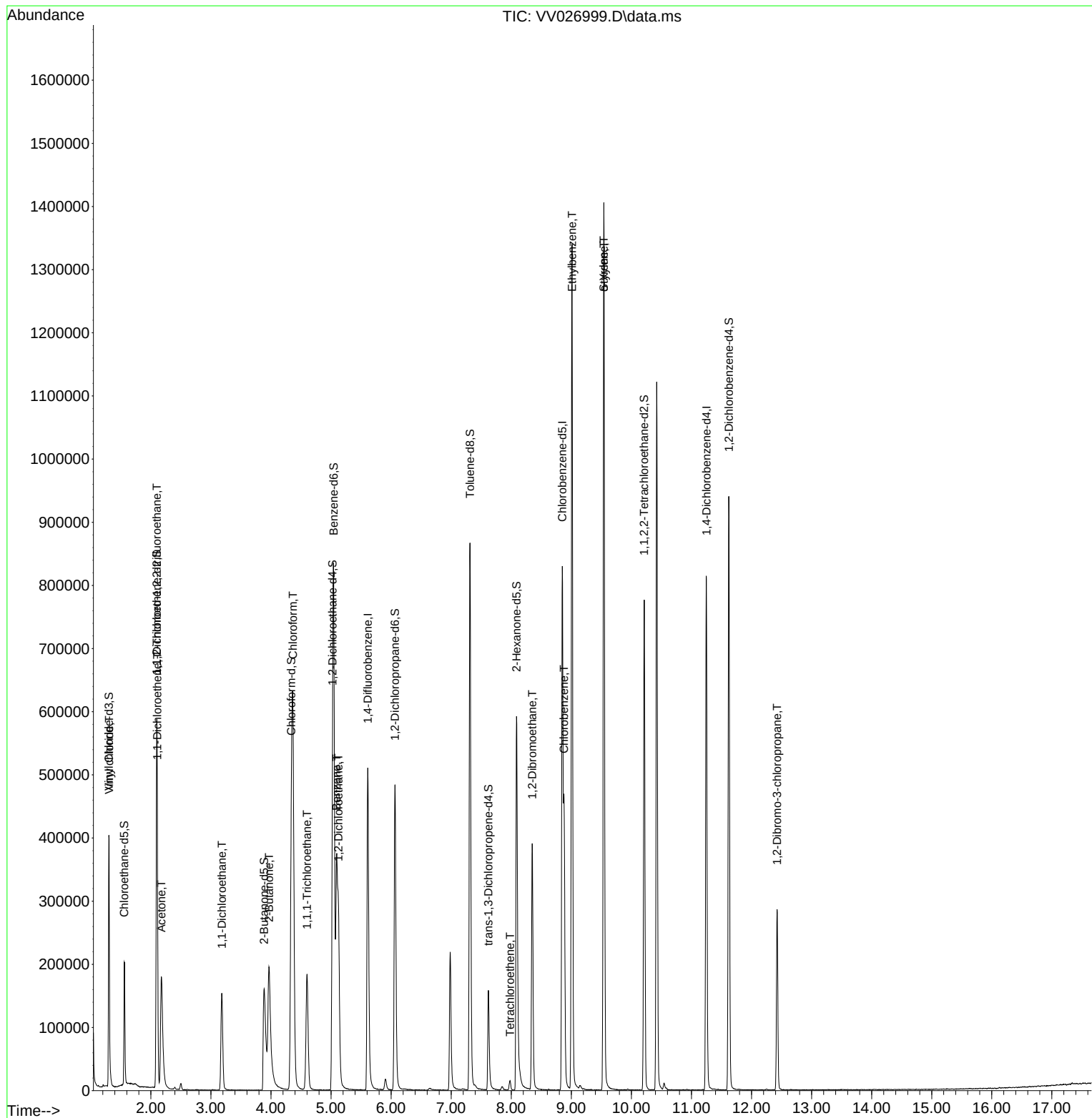
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

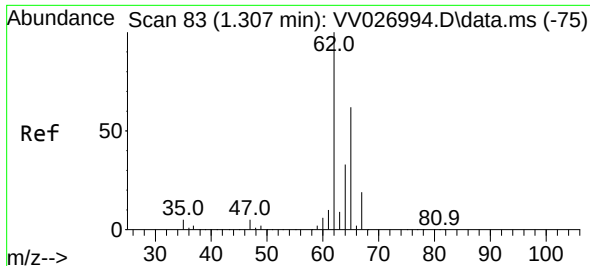
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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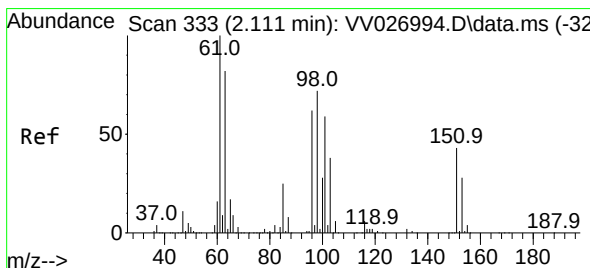
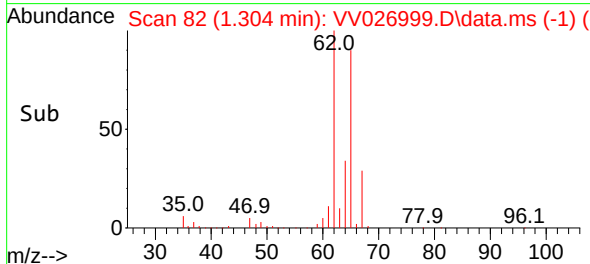
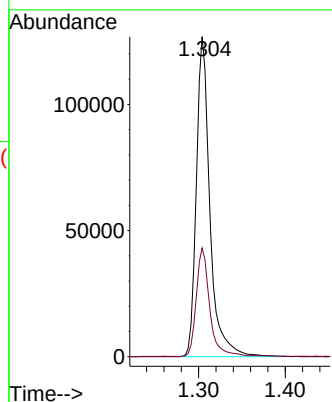
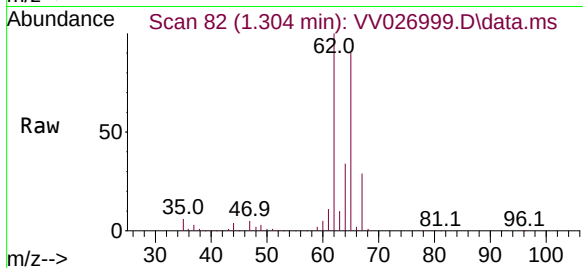




#5
 Vinyl chloride
 Concen: 29.242 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV026999.D
 Acq: 27 Jul 2022 15:19

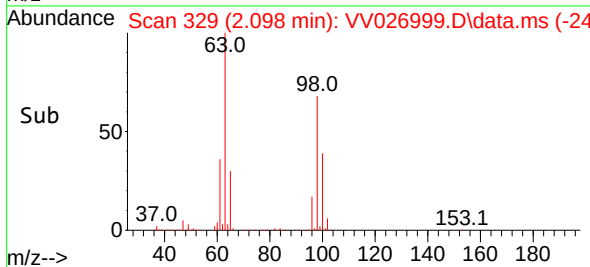
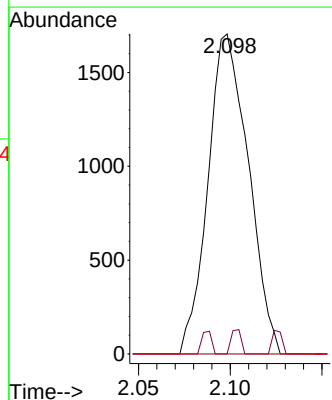
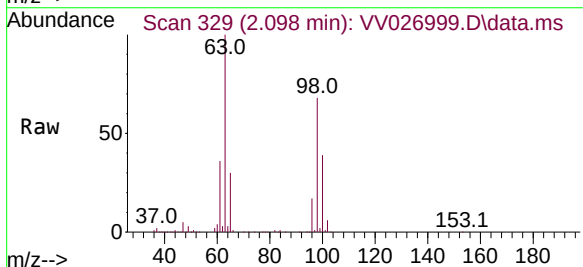
Instrument :
 MSVOA_V
 ClientSampleId :
 DBUC6

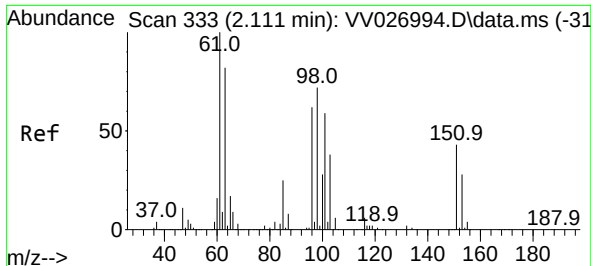
Tgt Ion: 62 Resp: 137824
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.0 42.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.688 ug/L
 RT: 2.098 min Scan# 329
 Delta R.T. -0.013 min
 Lab File: VV026999.D
 Acq: 27 Jul 2022 15:19

Tgt Ion: 101 Resp: 2614
 Ion Ratio Lower Upper
 101 100
 85 1.9 33.1 49.7#
 151 0.0 57.1 85.7#

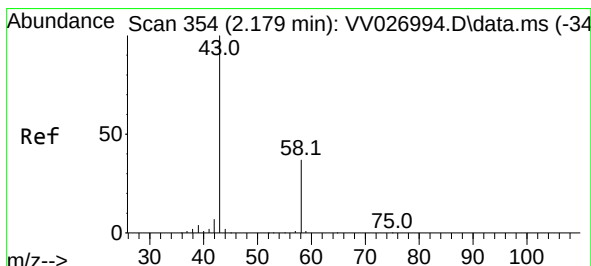
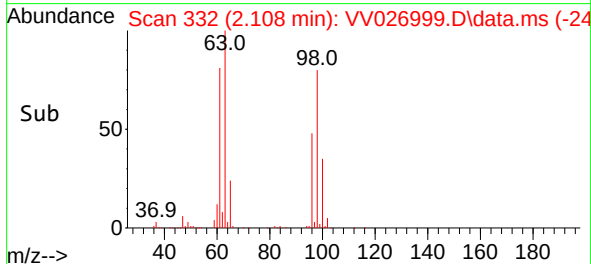
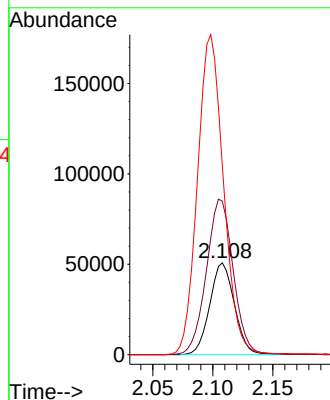
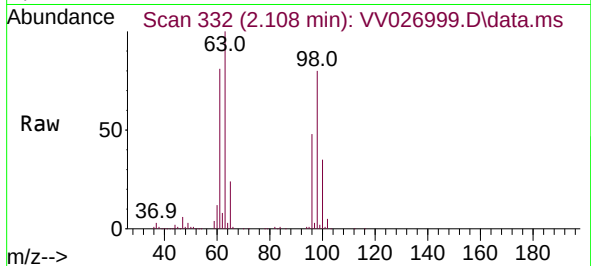




#12
 1,1-Dichloroethene
 Concen: 20.426 ug/L
 RT: 2.108 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV026999.D
 Acq: 27 Jul 2022 15:19

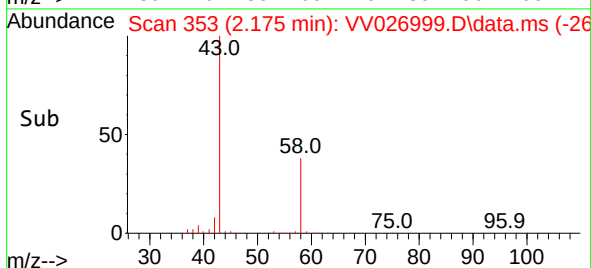
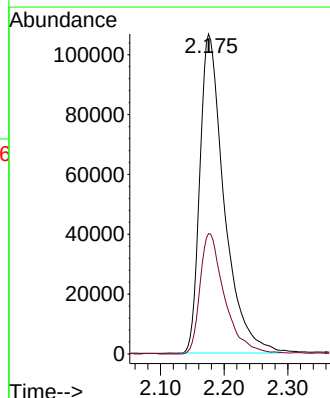
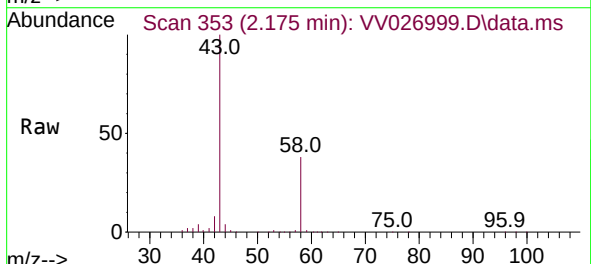
Instrument :
 MSVOA_V
 ClientSampleId :
 DBUC6

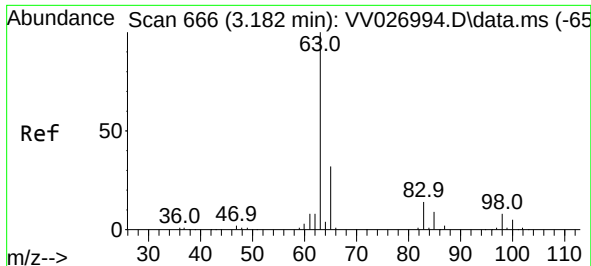
Tgt Ion: 96 Resp: 72480
 Ion Ratio Lower Upper
 96 100
 61 167.4 114.2 212.0
 63 206.3 87.0 161.6#



#13
 Acetone
 Concen: 155.535 ug/L
 RT: 2.175 min Scan# 353
 Delta R.T. -0.003 min
 Lab File: VV026999.D
 Acq: 27 Jul 2022 15:19

Tgt Ion: 43 Resp: 283346
 Ion Ratio Lower Upper
 43 100
 58 38.0 0.0 72.6





#19

1,1-Dichloroethane

Concen: 22.840 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV026999.D

Acq: 27 Jul 2022 15:19

Instrument :

MSVOA_V

ClientSampleId :

DBUC6

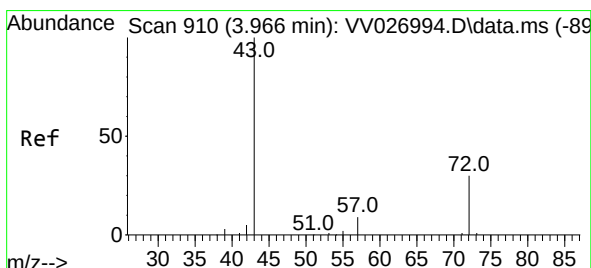
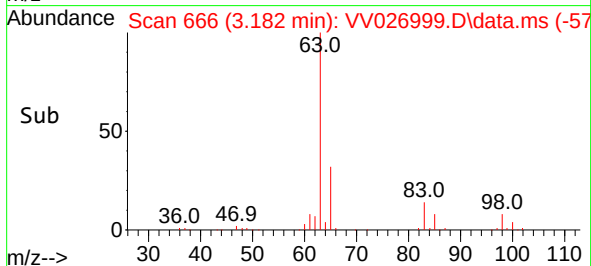
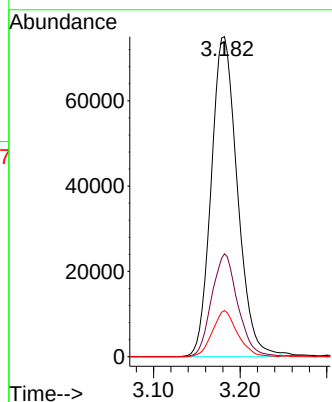
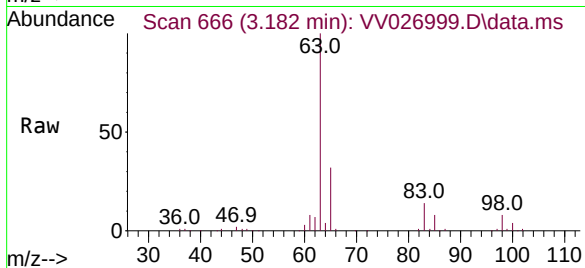
Tgt Ion: 63 Resp: 157722

Ion Ratio Lower Upper

63 100

65 32.2 22.6 42.0

83 14.4 9.4 17.4



#22

2-Butanone

Concen: 144.647 ug/L

RT: 3.966 min Scan# 910

Delta R.T. 0.000 min

Lab File: VV026999.D

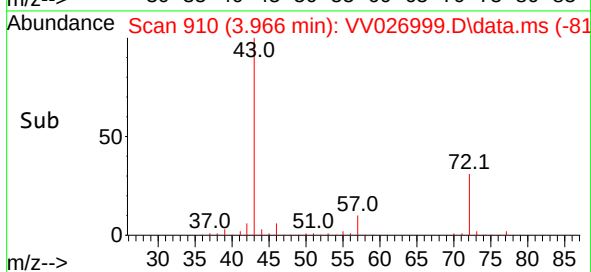
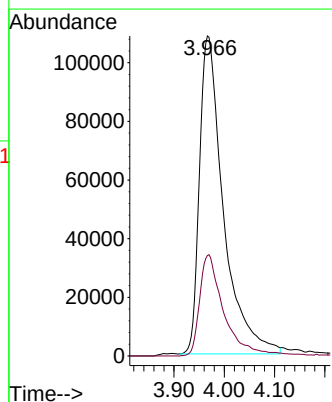
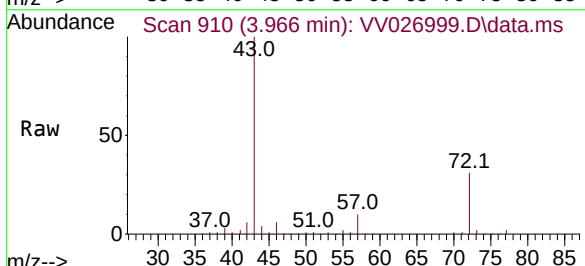
Acq: 27 Jul 2022 15:19

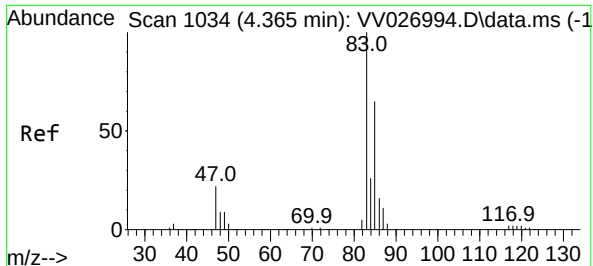
Tgt Ion: 43 Resp: 359395

Ion Ratio Lower Upper

43 100

72 31.5 14.9 44.5





#25

Chloroform

Concen: 72.819 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VV026999.D

Acq: 27 Jul 2022 15:19

Instrument :

MSVOA_V

ClientSampleId :

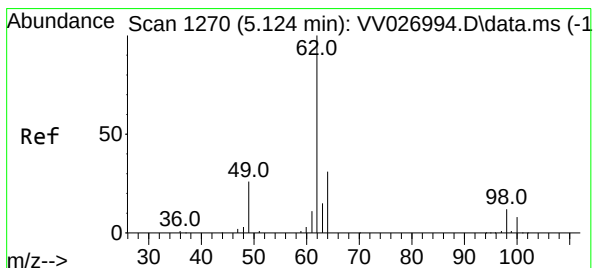
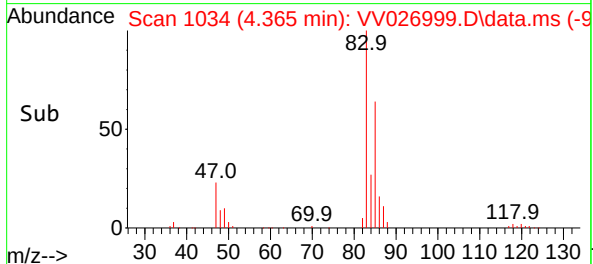
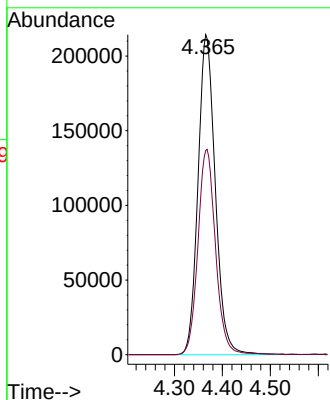
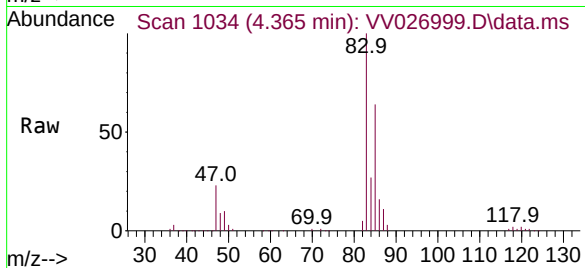
DBUC6

Tgt Ion: 83 Resp: 536309

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.0



#27

1,2-Dichloroethane

Concen: 41.528 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VV026999.D

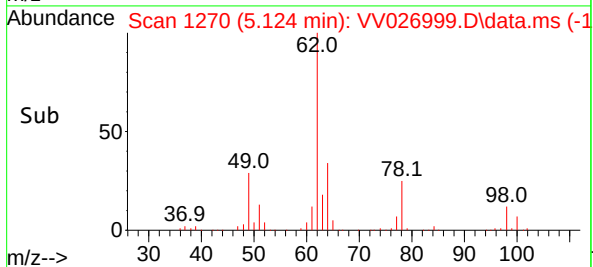
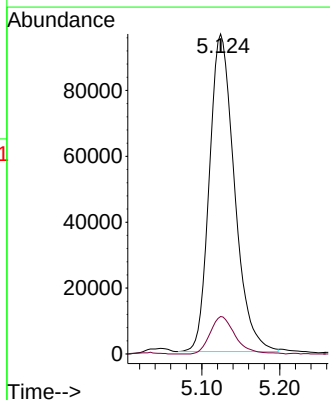
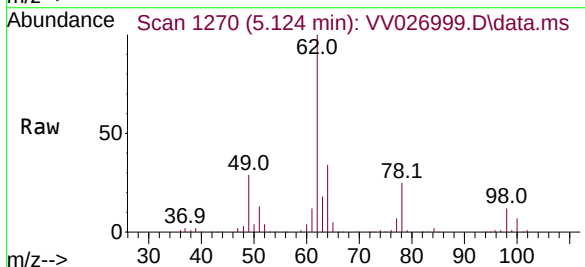
Acq: 27 Jul 2022 15:19

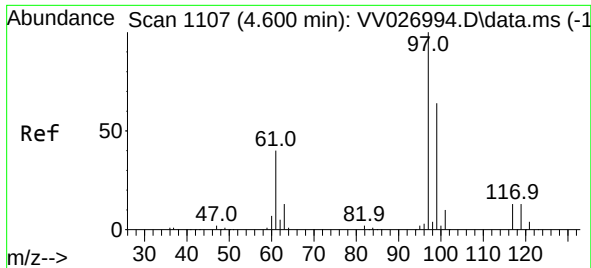
Tgt Ion: 62 Resp: 215826

Ion Ratio Lower Upper

62 100

98 11.7 8.9 13.3





#30

1,1,1-Trichloroethane

Concen: 24.654 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VV026999.D

Acq: 27 Jul 2022 15:19

Instrument :

MSVOA_V

ClientSampleId :

DBUC6

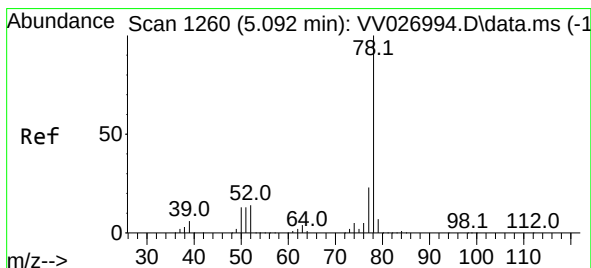
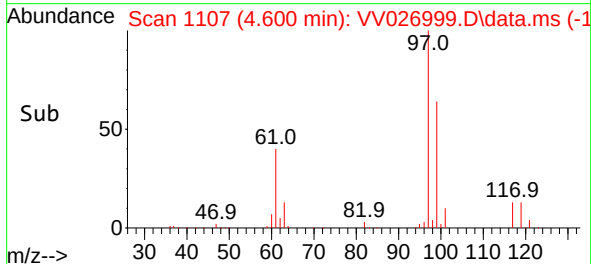
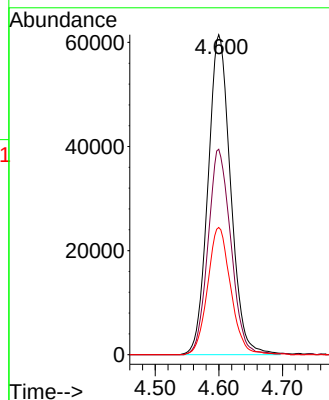
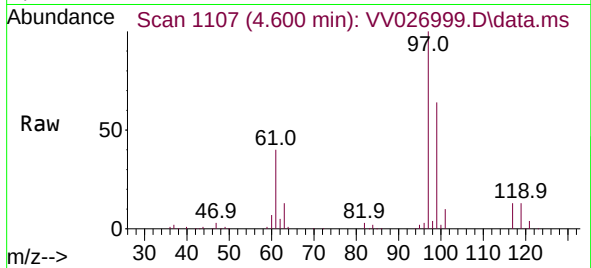
Tgt Ion: 97 Resp: 151661

Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.6

61 40.2 33.1 49.7



#33

Benzene

Concen: 25.397 ug/L

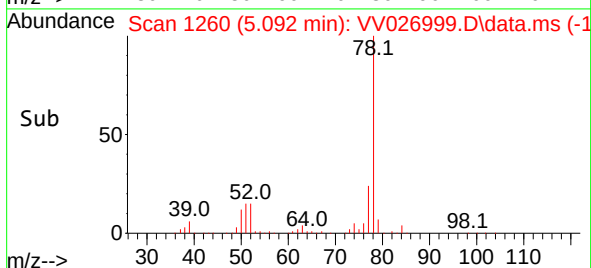
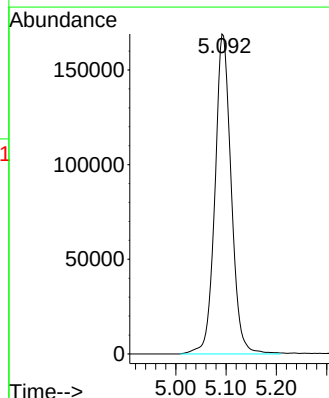
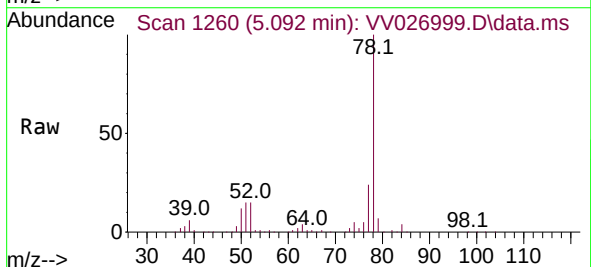
RT: 5.092 min Scan# 1260

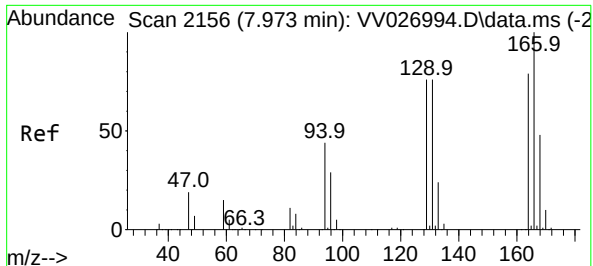
Delta R.T. 0.000 min

Lab File: VV026999.D

Acq: 27 Jul 2022 15:19

Tgt Ion: 78 Resp: 380277

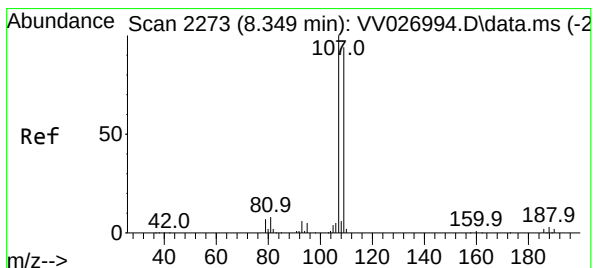
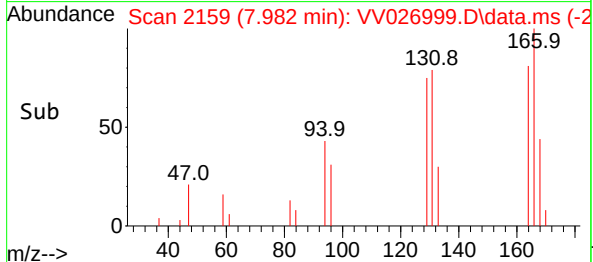
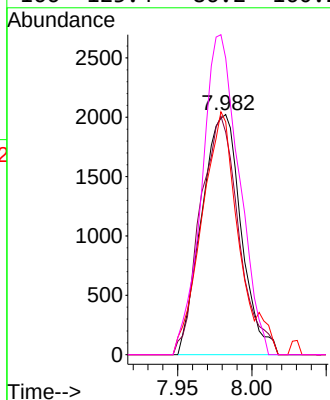
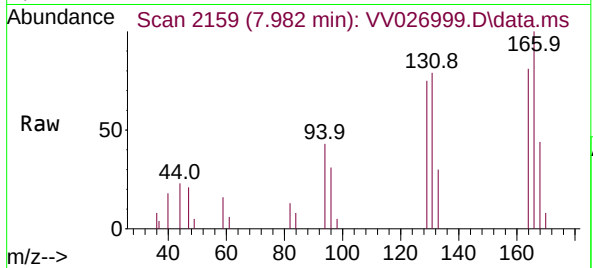




#46
Tetrachloroethene
Concen: 1.245 ug/L
RT: 7.982 min Scan# 2156
Delta R.T. 0.010 min
Lab File: VV026999.D
Acq: 27 Jul 2022 15:19

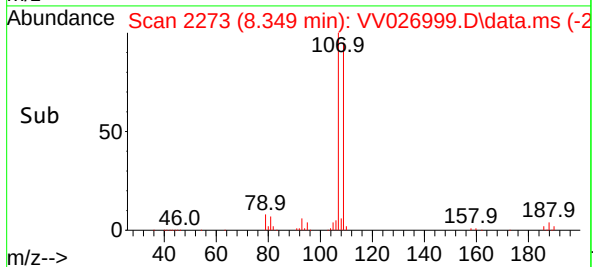
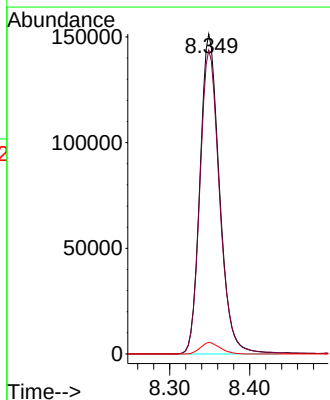
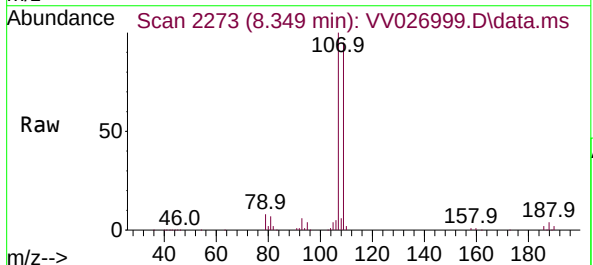
Instrument :
MSVOA_V
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DBUC6

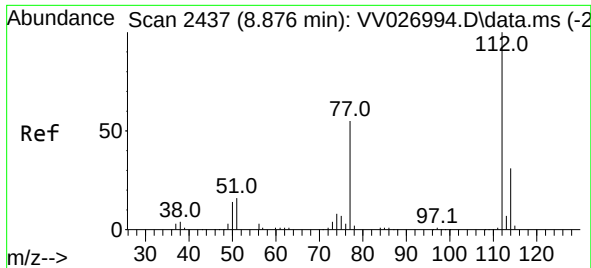
Tgt Ion:164 Resp: 3738
Ion Ratio Lower Upper
164 100
129 92.6 66.3 123.1
131 96.9 63.1 117.3
166 123.4 86.2 160.2



#50
1,2-Dibromoethane
Concen: 60.410 ug/L
RT: 8.349 min Scan# 2273
Delta R.T. 0.000 min
Lab File: VV026999.D
Acq: 27 Jul 2022 15:19

Tgt Ion:107 Resp: 256501
Ion Ratio Lower Upper
107 100
109 94.9 64.9 120.5
188 3.6 2.6 3.8

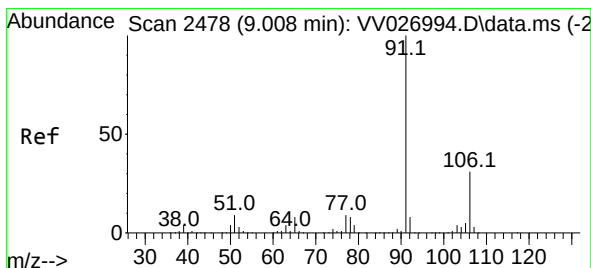
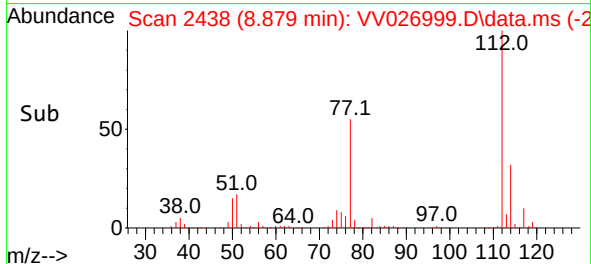
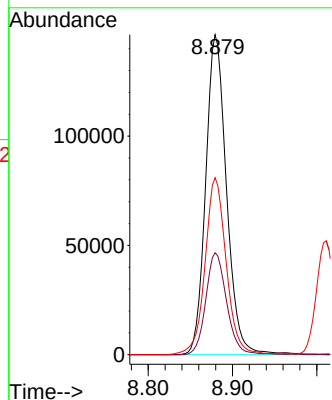
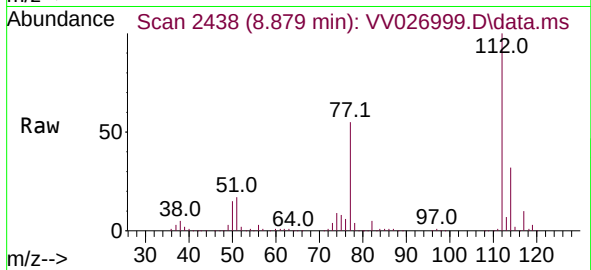




#51
Chlorobenzene
Concen: 23.597 ug/L
RT: 8.879 min Scan# 2437
Delta R.T. 0.003 min
Lab File: VV026999.D
Acq: 27 Jul 2022 15:19

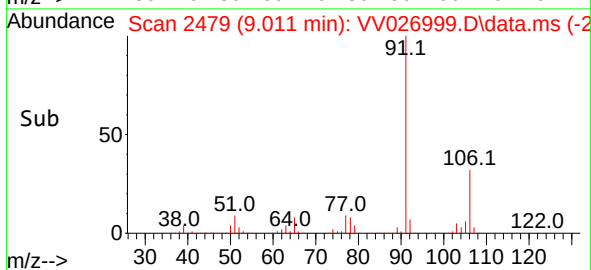
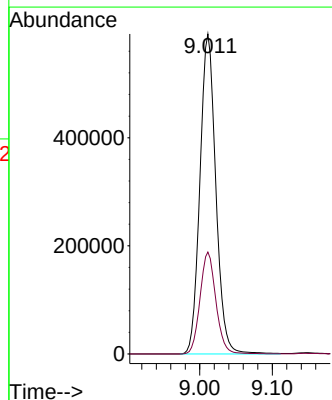
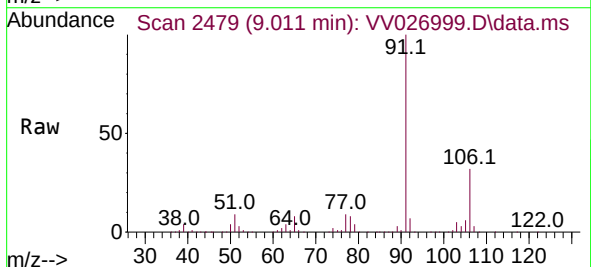
Instrument :
MSVOA_V
ClientSampleId :
DBUC6

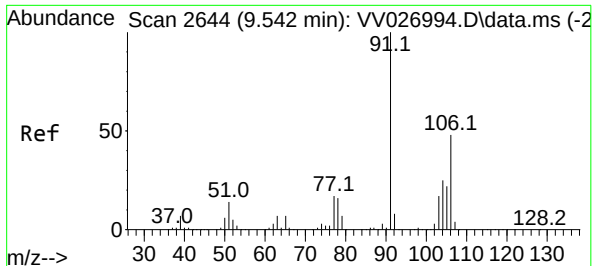
Tgt Ion:112 Resp: 251375
Ion Ratio Lower Upper
112 100
114 31.8 22.7 42.1
77 55.3 44.4 66.6



#52
Ethylbenzene
Concen: 56.768 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.003 min
Lab File: VV026999.D
Acq: 27 Jul 2022 15:19

Tgt Ion: 91 Resp: 900566
Ion Ratio Lower Upper
91 100
106 31.8 22.0 40.8

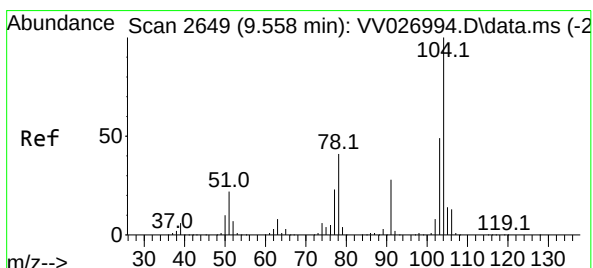
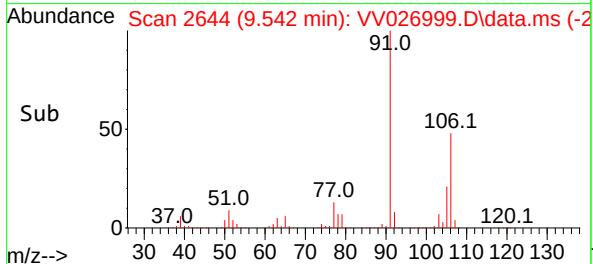
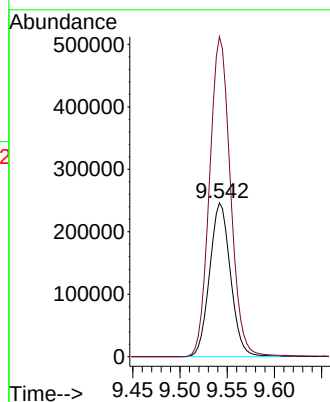
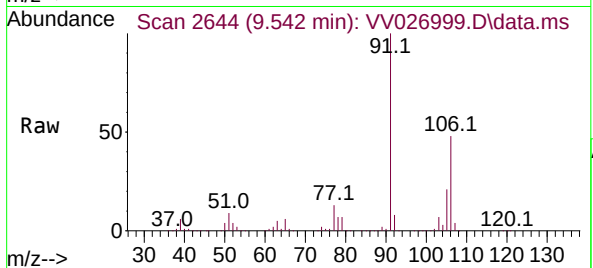




#54
o-Xylene
Concen: 63.192 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV026999.D
Acq: 27 Jul 2022 15:19

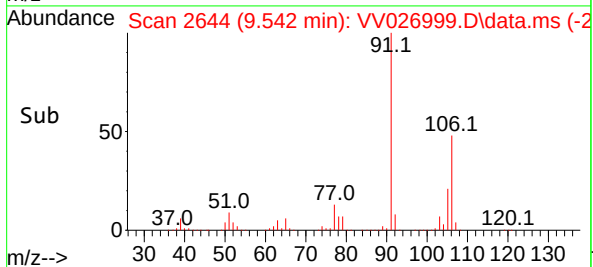
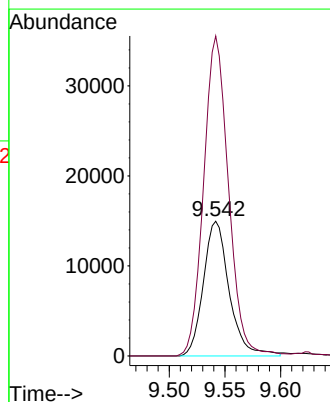
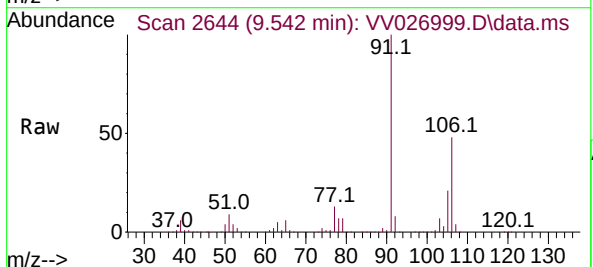
Instrument :
MSVOA_V
ClientSampleId :
DBUC6

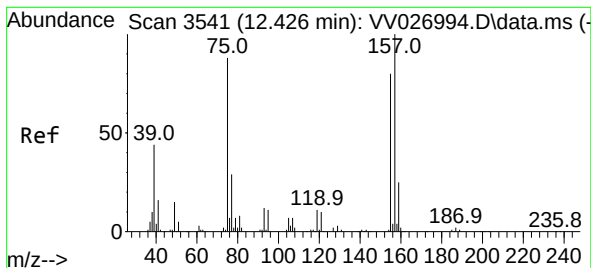
Tgt Ion:106 Resp: 378041
Ion Ratio Lower Upper
106 100
91 208.0 146.1 271.3



#55
Styrene
Concen: 2.291 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.016 min
Lab File: VV026999.D
Acq: 27 Jul 2022 15:19

Tgt Ion:104 Resp: 24208
Ion Ratio Lower Upper
104 100
78 237.5 29.6 55.0#





#68

1,2-Dibromo-3-chloropropane

Concen: 61.338 ug/L

RT: 12.426 min Scan# 3

Delta R.T. 0.000 min

Lab File: VV026999.D

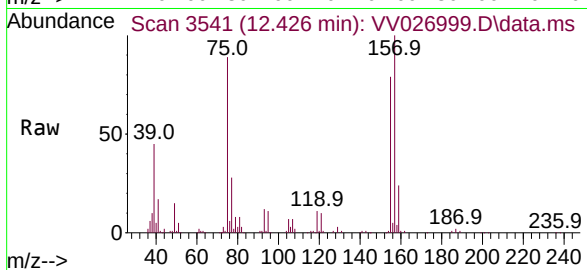
Acq: 27 Jul 2022 15:19

Instrument :

MSVOA_V

ClientSampleId :

DBUC6



Tgt Ion: 75 Resp: 72767

Ion Ratio Lower Upper

75 100

155 88.9 67.7 101.5

157 112.7 87.1 130.7

