

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122921\
 Data File : VX026143.D
 Acq On : 29 Dec 2021 16:53
 Operator : JC/MD
 Sample : M5233-01 50X
 Misc : 10.51g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GBCC1DL

Quant Time: Dec 30 02:42:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML122821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 30 02:39:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	194547	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	168024	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	83311	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	73907	48.946	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.900%		
7) Chloroethane-d5	1.666	69	59478	54.185	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	108.360%		
11) 1,1-Dichloroethene-d2	2.312	63	108749	39.456	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.920%		
21) 2-Butanone-d5	4.458	46	110306	105.719	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	105.720%		
24) Chloroform-d	5.062	84	127026	49.535	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.080%		
26) 1,2-Dichloroethane-d4	5.958	65	89095	53.598	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.200%		
32) Benzene-d6	5.983	84	259725	53.615	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.240%		
36) 1,2-Dichloropropane-d6	7.312	67	81205	54.188	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	108.380%		
41) Toluene-d8	8.653	98	241697	54.708	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	109.420%		
43) trans-1,3-Dichloroprop...	8.951	79	37013	50.597	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	101.200%		
47) 2-Hexanone-d5	9.384	63	74850	107.095	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.100%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	105516	52.905	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.800%		
66) 1,2-Dichlorobenzene-d4	12.323	152	88648	55.781	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	111.560%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	1702	1.335	ug/L #	85
12) 1,1-Dichloroethene	2.319	96	1955	1.648	ug/L #	1
19) 1,1-Dichloroethane	3.617	63	12197	5.308	ug/L	96
20) cis-1,2-Dichloroethene	4.495	96	17501	12.809	ug/L	97
29) Cyclohexane	5.477	56	4886	2.311	ug/L #	74
30) 1,1,1-Trichloroethane	5.391	97	85295	41.696	ug/L	98
33) Benzene	6.050	78	7409	1.493	ug/L	100
35) Methylcyclohexane	7.385	83	13832	6.866	ug/L	96
39) cis-1,3-Dichloropropene	8.330	75	3202	1.626	ug/L #	77
42) Toluene	8.720	91	346161	65.510	ug/L	95
44) trans-1,3-Dichloropropene	8.951	75	1836	0.973	ug/L	91
45) 1,1,2-Trichloroethane	9.104	97	2085	1.711	ug/L #	21
46) Tetrachloroethene	9.275	164	2816	2.916	ug/L	93
49) Dibromochloromethane	9.275	129	2687	1.932	ug/L #	11
52) Ethylbenzene	10.195	91	75874	13.659	ug/L	100
53) m,p-Xylene	10.305	106	100066	47.201	ug/L	95
54) o-Xylene	10.646	106	37112	18.021	ug/L	97
60) Isopropylbenzene	10.963	105	13227	2.367	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	41851	8.997	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Thu Dec 30 02:39:24 2021
Response via : Initial Calibration

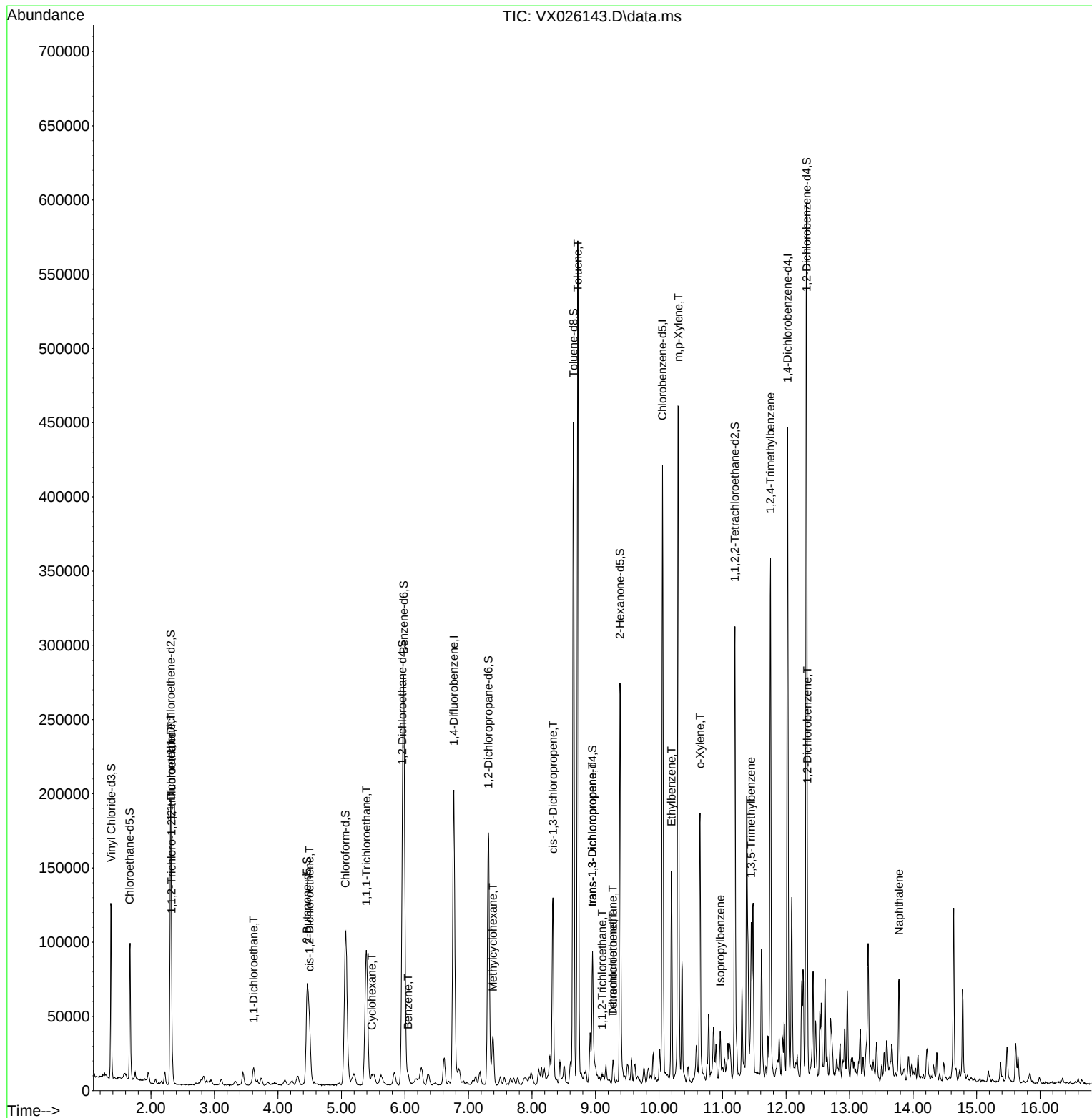
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.756	105	143095	30.508	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	4403	1.811	ug/L #	92
71) Naphthalene	13.780	128	41560	7.402	ug/L	98

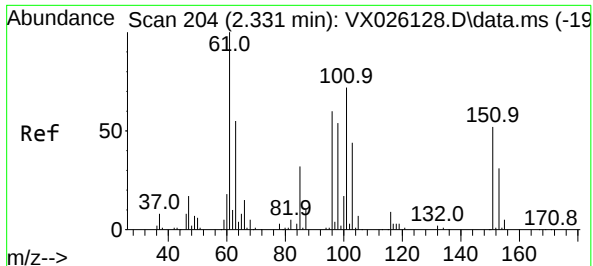
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.335 ug/L

RT: 2.325 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

Instrument :

MSVOA_X

ClientSampleId :

GBCC1DL

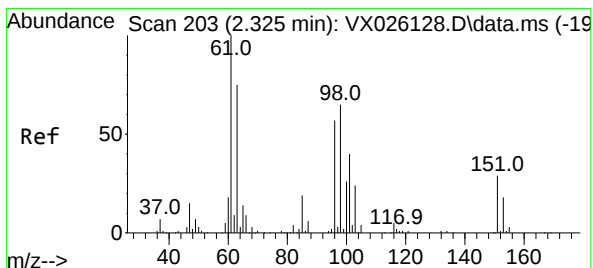
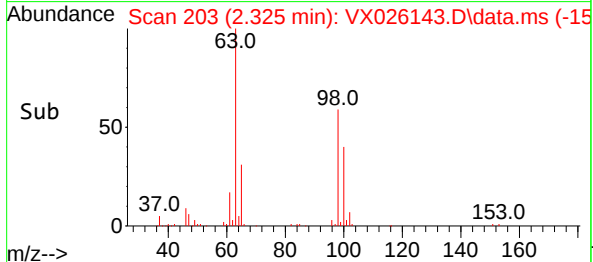
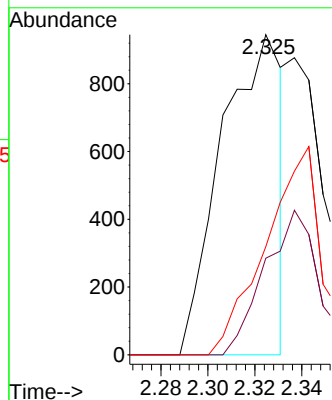
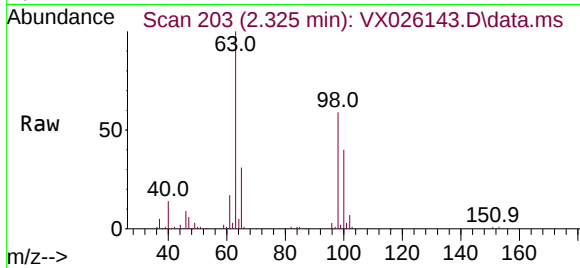
Tgt Ion:101 Resp: 1702

Ion Ratio Lower Upper

101 100

85 39.1 36.6 55.0

151 58.2 58.5 87.7#



#12

1,1-Dichloroethene

Concen: 1.648 ug/L

RT: 2.319 min Scan# 202

Delta R.T. -0.006 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

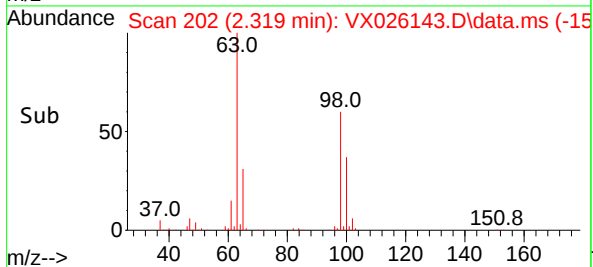
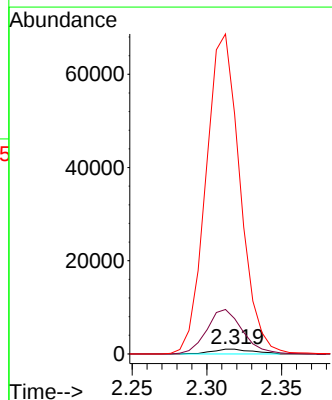
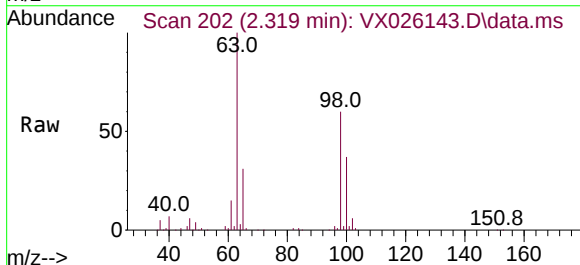
Tgt Ion: 96 Resp: 1955

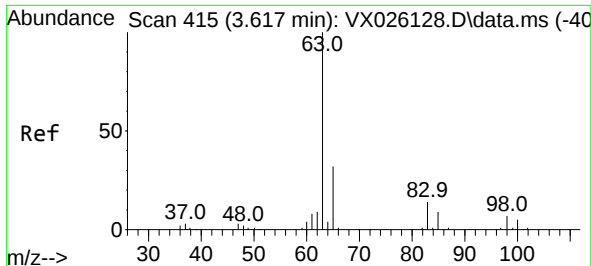
Ion Ratio Lower Upper

96 100

61 733.8 121.6 225.8#

63 4980.3 86.7 161.1#





#19

1,1-Dichloroethane

Concen: 5.308 ug/L

RT: 3.617 min Scan# 415

Delta R.T. 0.000 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

Instrument :

MSVOA_X

ClientSampleId :

GBCC1DL

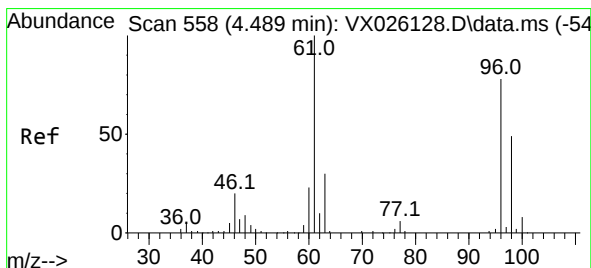
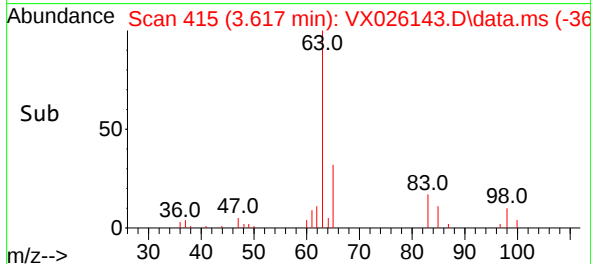
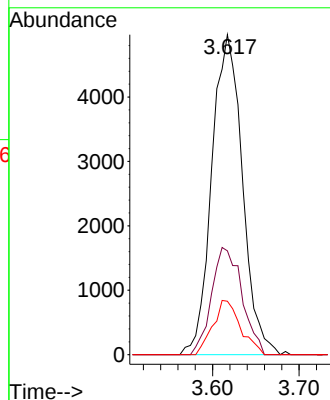
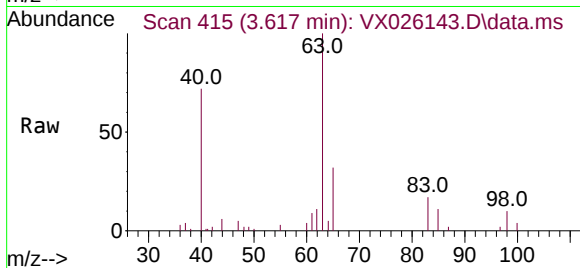
Tgt Ion: 63 Resp: 12197

Ion Ratio Lower Upper

63 100

65 32.4 21.8 40.6

83 16.7 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 12.809 ug/L

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

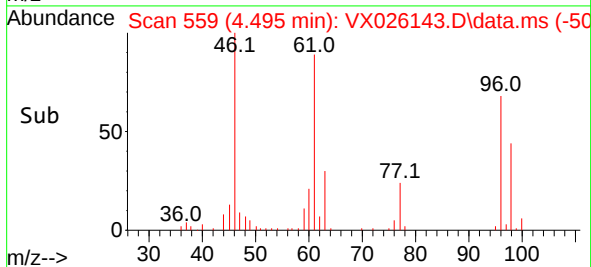
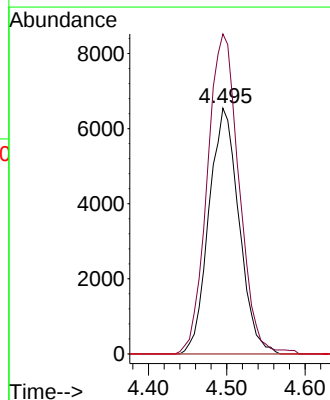
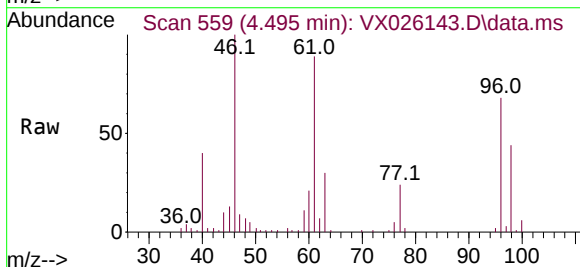
Tgt Ion: 96 Resp: 17501

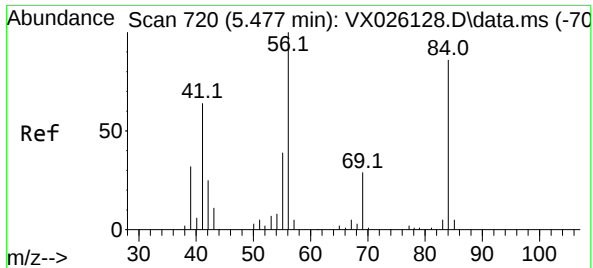
Ion Ratio Lower Upper

96 100

61 130.2 88.8 165.0

68 0.0 0.0 0.0





#29

Cyclohexane

Concen: 2.311 ug/L

RT: 5.477 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

Instrument :

MSVOA_X

ClientSampleId :

GBCC1DL

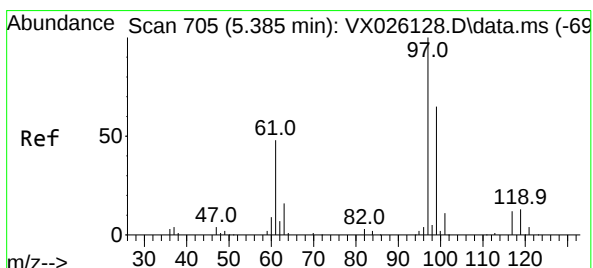
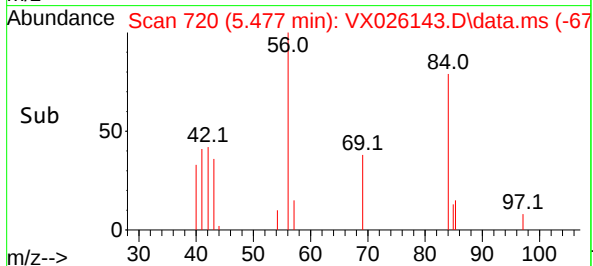
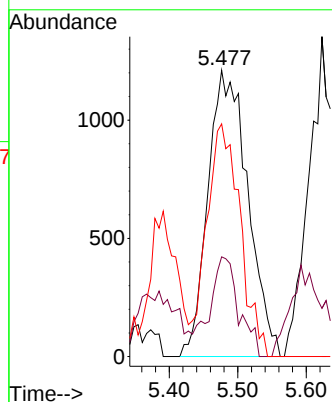
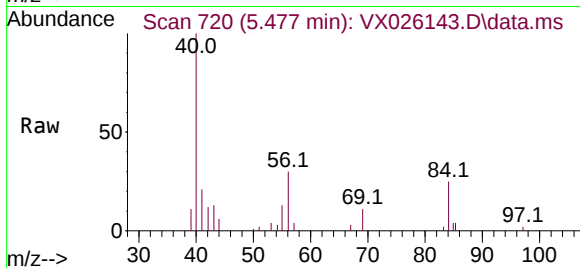
Tgt Ion: 56 Resp: 4886

Ion Ratio Lower Upper

56 100

69 13.4 23.9 35.9#

84 64.3 69.4 104.2#



#30

1,1,1-Trichloroethane

Concen: 41.696 ug/L

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

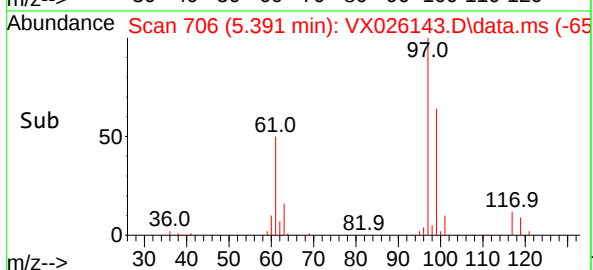
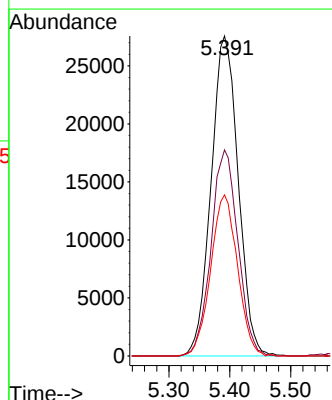
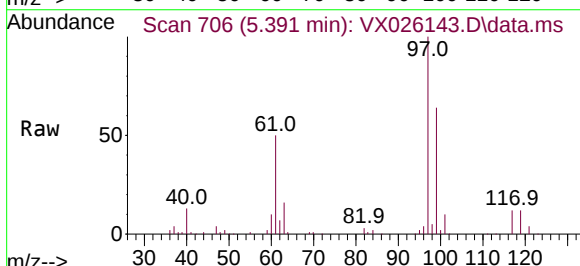
Tgt Ion: 97 Resp: 85295

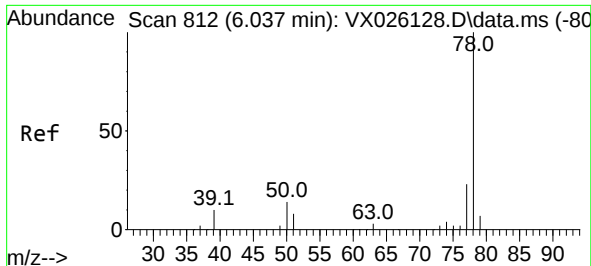
Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 49.8 38.3 57.5

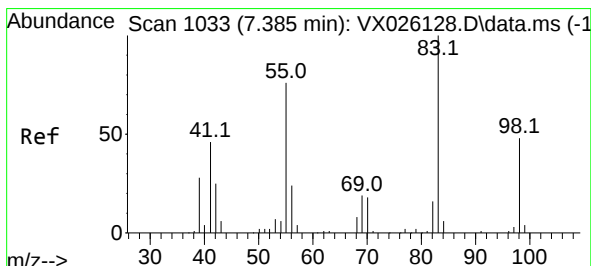
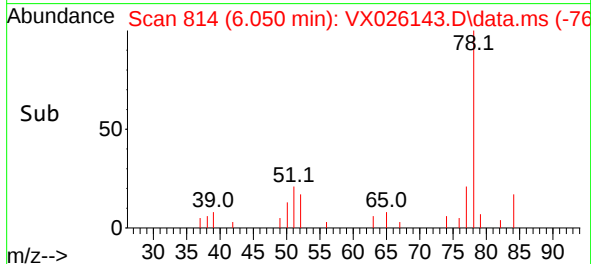
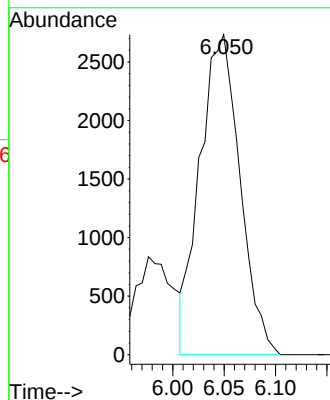
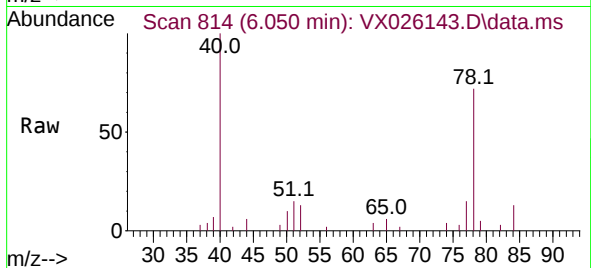




#33
Benzene
Concen: 1.493 ug/L
RT: 6.050 min Scan# 812
Delta R.T. 0.012 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

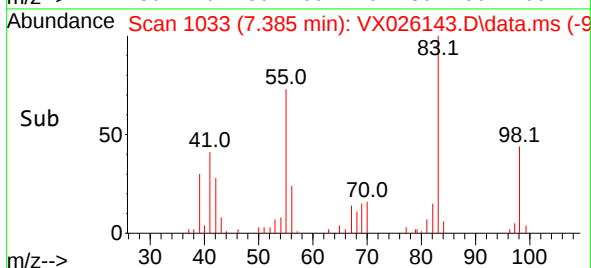
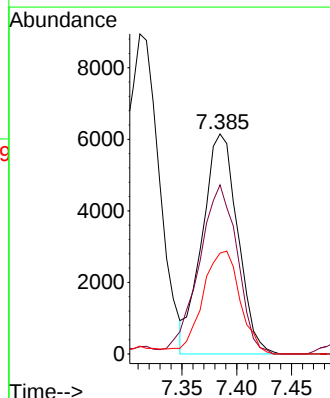
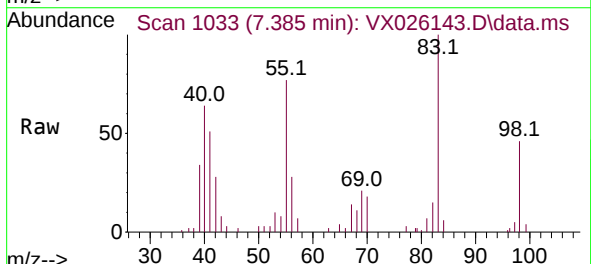
Instrument :
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ClientSampleId :
GBCC1DL

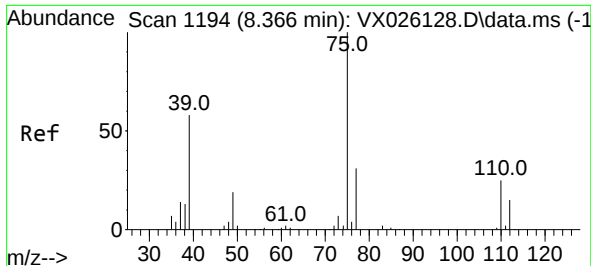
Tgt Ion: 78 Resp: 7409



#35
Methylcyclohexane
Concen: 6.866 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

Tgt Ion: 83 Resp: 13832
Ion Ratio Lower Upper
83 100
55 83.0 62.9 94.3
98 48.9 40.6 61.0





#39

cis-1,3-Dichloropropene

Concen: 1.626 ug/L

RT: 8.330 min Scan# 1194

Delta R.T. -0.037 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

Instrument :

MSVOA_X

ClientSampleId :

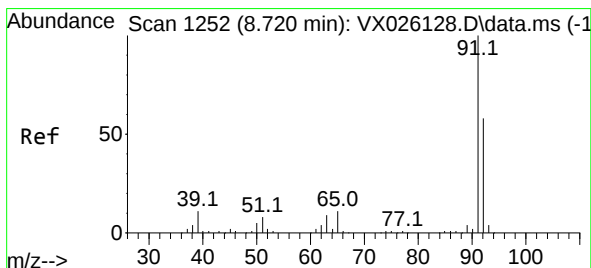
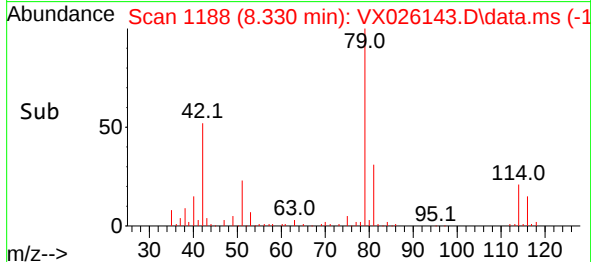
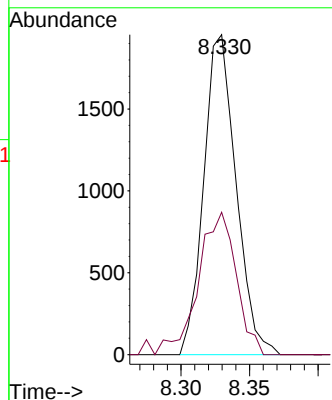
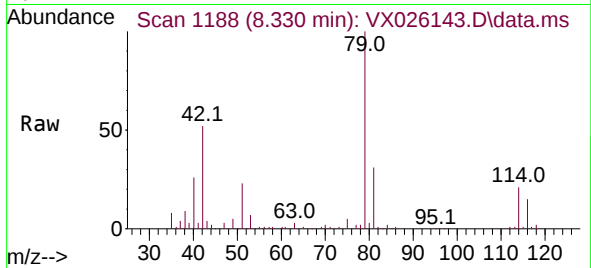
GBCC1DL

Tgt Ion: 75 Resp: 3202

Ion Ratio Lower Upper

75 100

77 44.5 22.0 41.0#



#42

Toluene

Concen: 65.510 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX026143.D

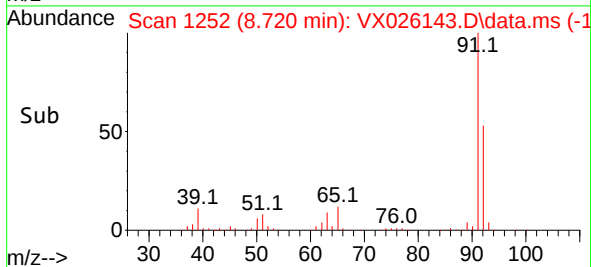
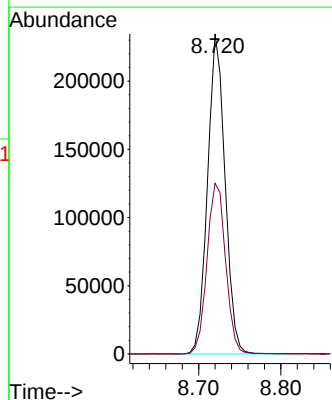
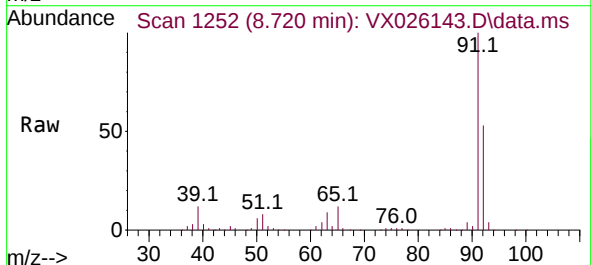
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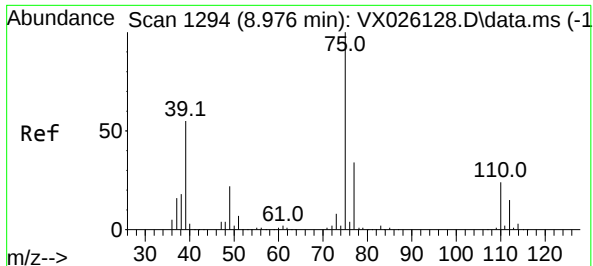
Tgt Ion: 91 Resp: 346161

Ion Ratio Lower Upper

91 100

92 53.3 40.1 74.5

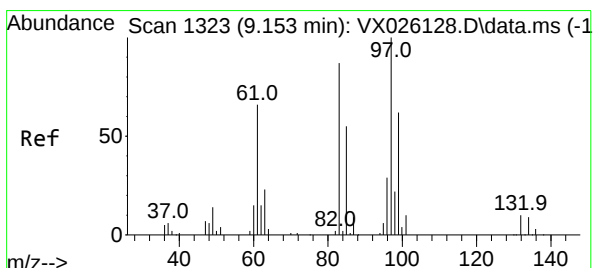
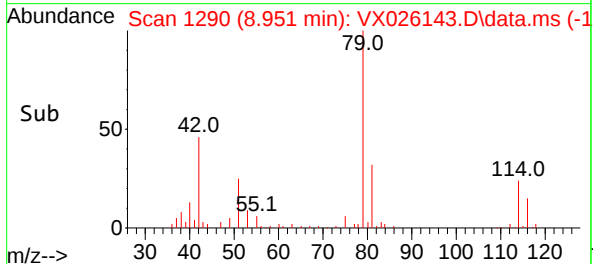
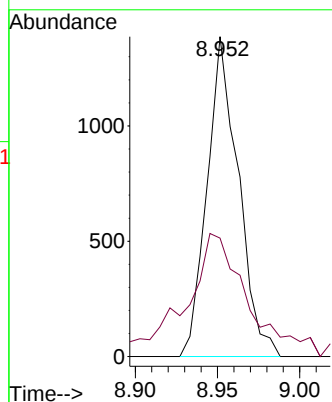
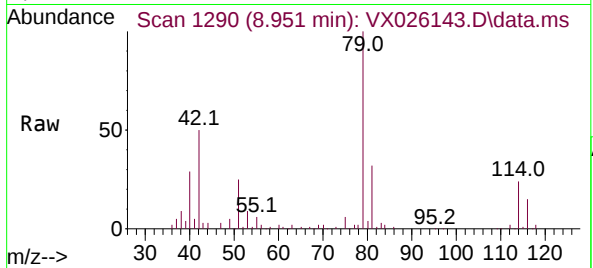




#44
trans-1,3-Dichloropropene
Concen: 0.973 ug/L
RT: 8.951 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

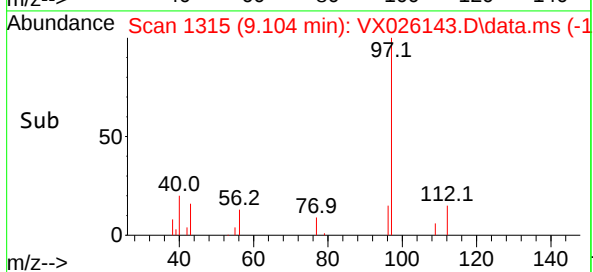
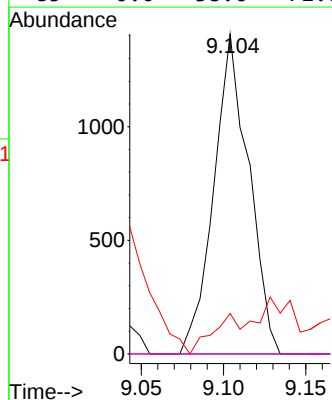
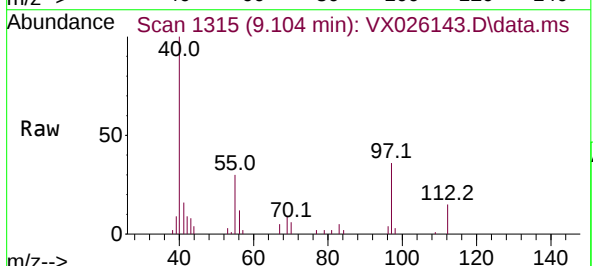
Instrument :
MSVOA_X
ClientSampleId :
GBCC1DL

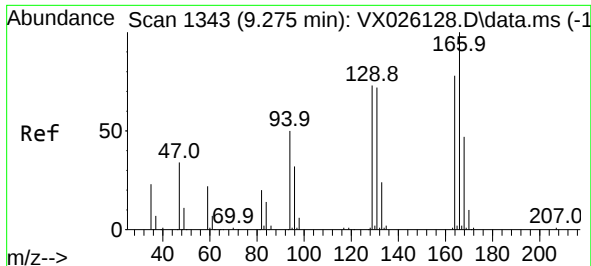
Tgt Ion: 75 Resp: 1836
Ion Ratio Lower Upper
75 100
77 37.1 22.5 41.7



#45
1,1,2-Trichloroethane
Concen: 1.711 ug/L
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

Tgt Ion: 97 Resp: 2085
Ion Ratio Lower Upper
97 100
99 0.0 43.2 80.2#
83 12.6 60.3 111.9#
85 0.0 38.6 71.8#

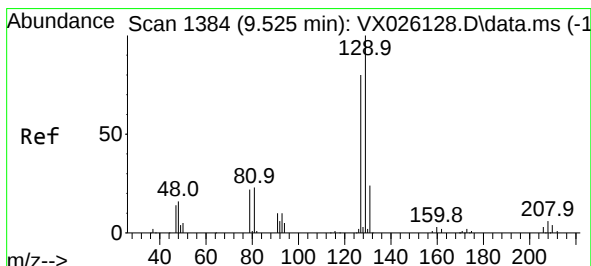
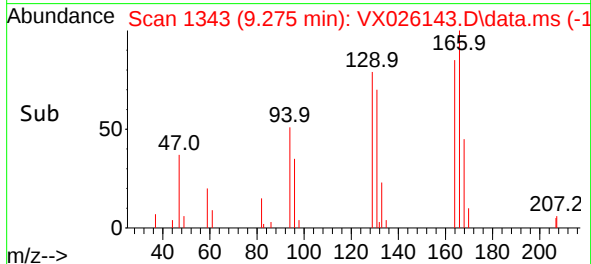
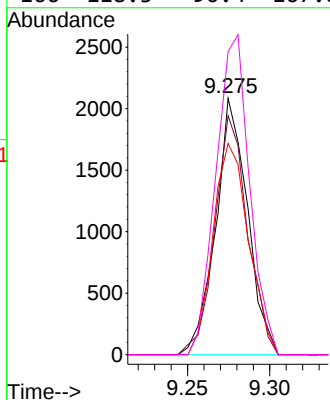
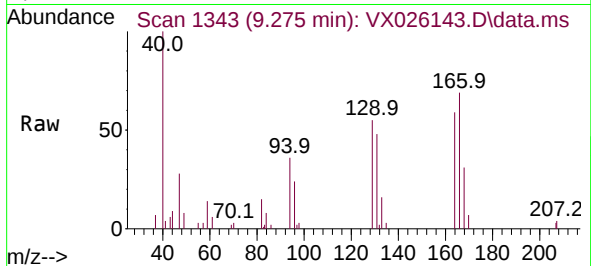




#46
Tetrachloroethene
Concen: 2.916 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

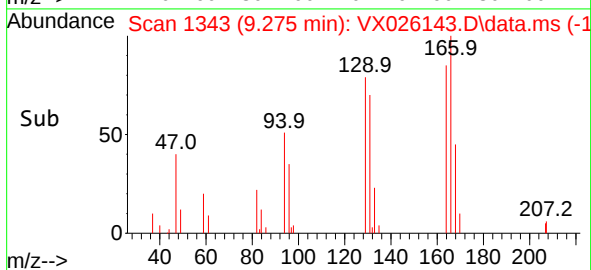
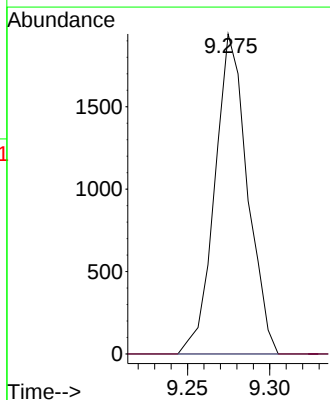
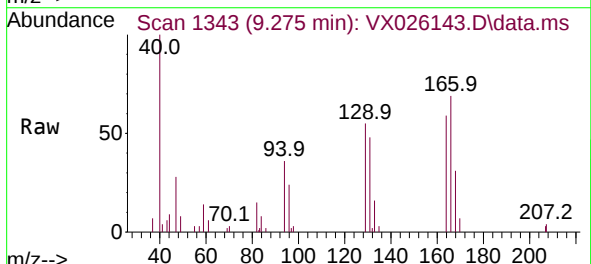
Instrument :
MSVOA_X
ClientSampleId :
GBCC1DL

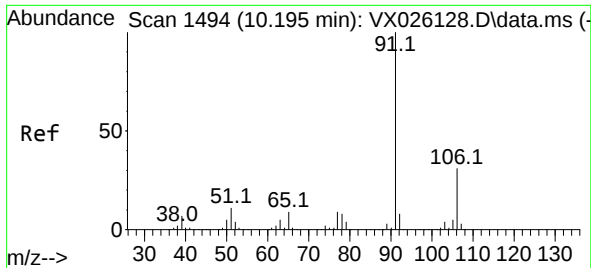
Tgt Ion:	164	Resp:	2816
Ion	Ratio	Lower	Upper
164	100		
129	93.2	66.3	123.1
131	82.4	63.6	118.0
166	118.3	90.4	167.8



#49
Dibromochloromethane
Concen: 1.932 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

Tgt Ion:	129	Resp:	2687
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.0	100.2#

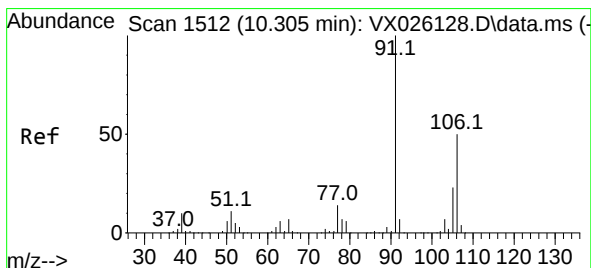
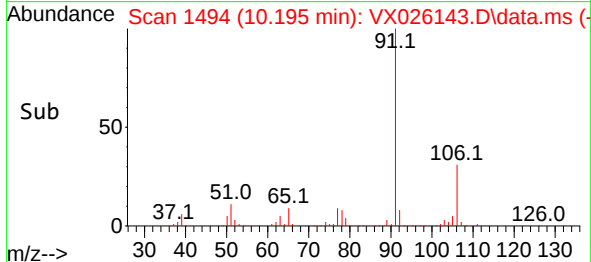
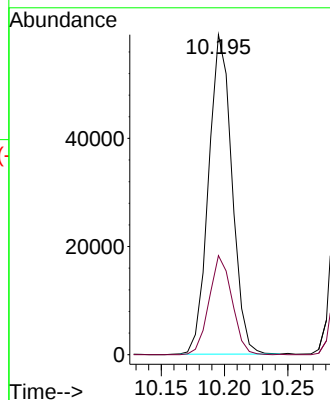
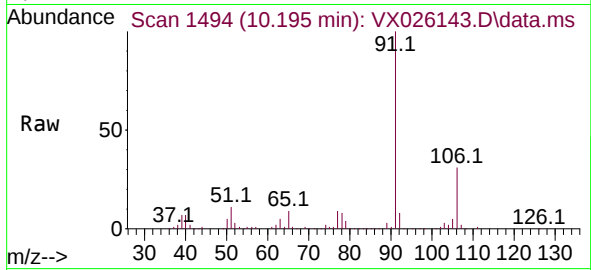




#52
Ethylbenzene
Concen: 13.659 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

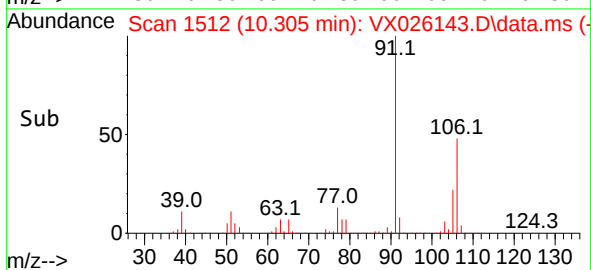
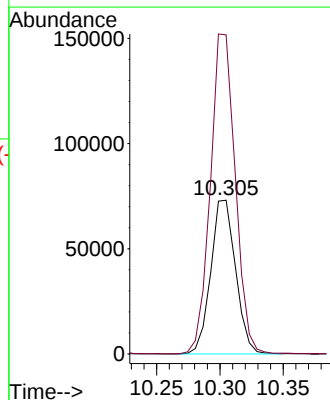
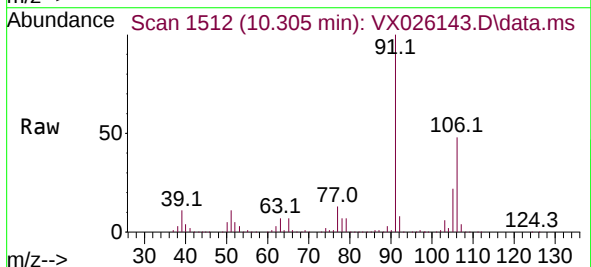
Instrument :
MSVOA_X
ClientSampleId :
GBCC1DL

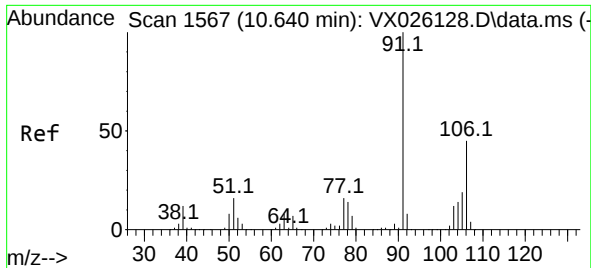
Tgt Ion: 91 Resp: 75874
Ion Ratio Lower Upper
91 100
106 31.0 21.5 39.9



#53
m,p-Xylene
Concen: 47.201 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

Tgt Ion: 106 Resp: 100066
Ion Ratio Lower Upper
106 100
91 207.5 139.7 259.5

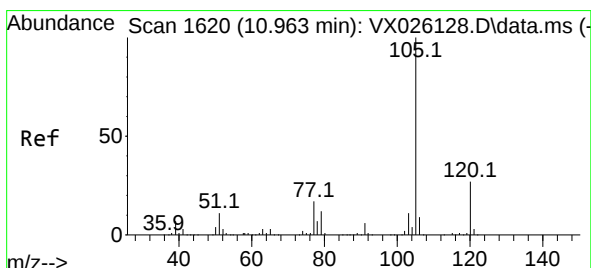
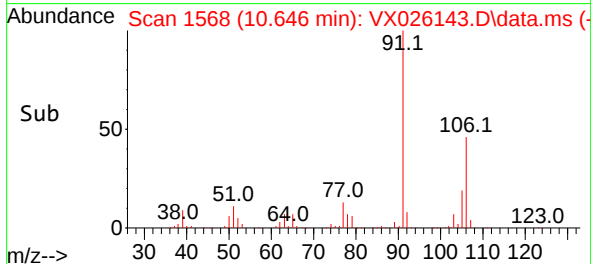
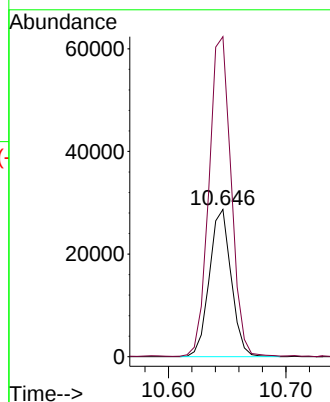
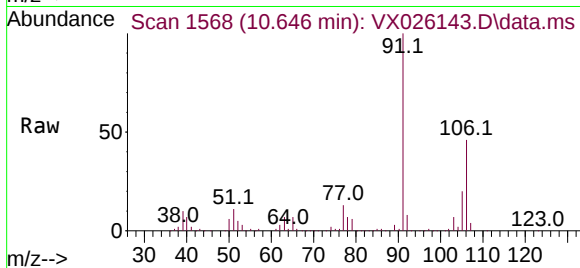




#54
o-Xylene
Concen: 18.021 ug/L
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

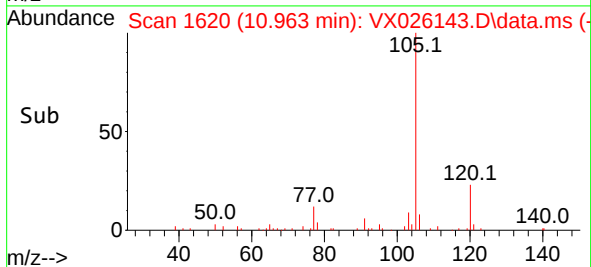
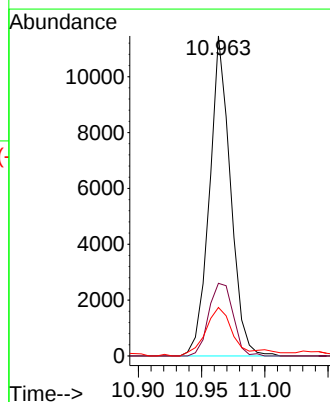
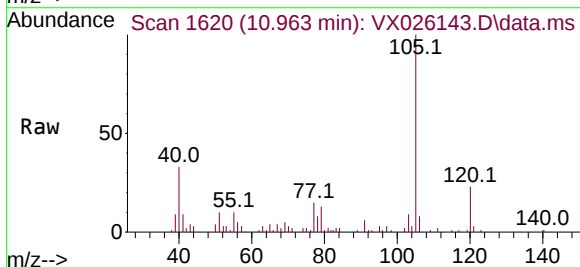
Instrument :
MSVOA_X
ClientSampleId :
GBCC1DL

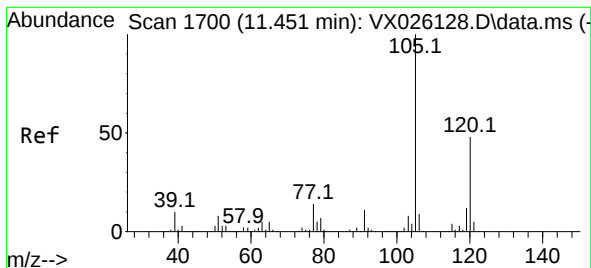
Tgt Ion:106 Resp: 37112
Ion Ratio Lower Upper
106 100
91 217.3 149.1 276.9



#60
Isopropylbenzene
Concen: 2.367 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

Tgt Ion:105 Resp: 13227
Ion Ratio Lower Upper
105 100
120 26.3 21.2 31.8
77 18.8 13.2 19.8





#62

1,3,5-Trimethylbenzene

Concen: 8.997 ug/L

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

Instrument :

MSVOA_X

ClientSampleId :

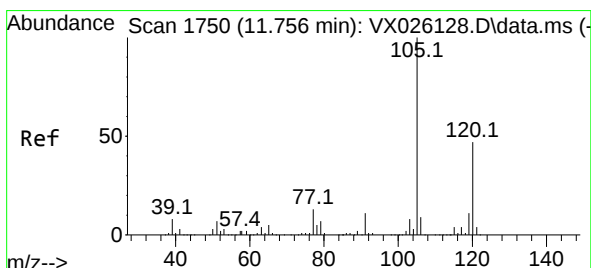
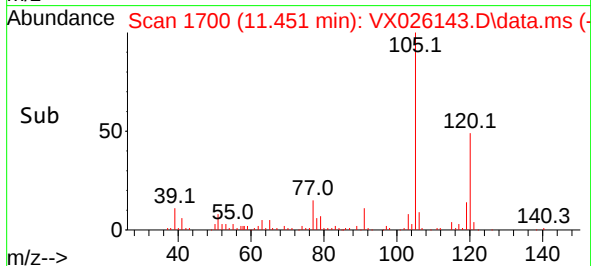
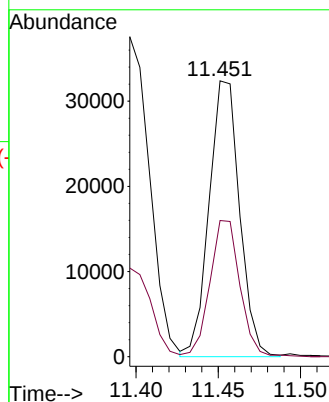
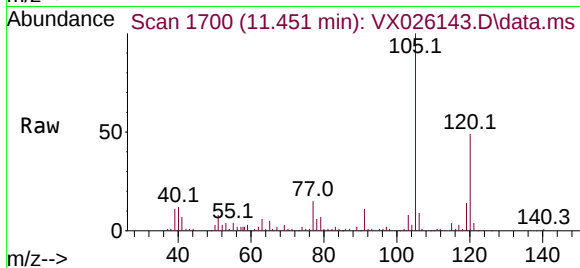
GBCC1DL

Tgt Ion:105 Resp: 41851

Ion Ratio Lower Upper

105 100

120 47.1 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 30.508 ug/L

RT: 11.756 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VX026143.D

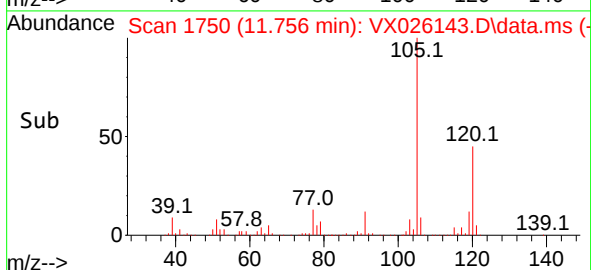
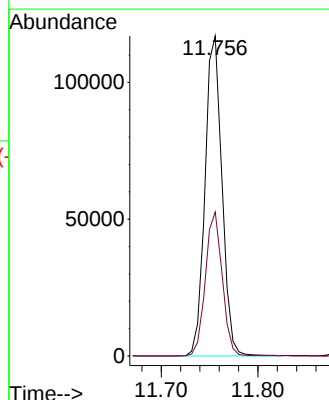
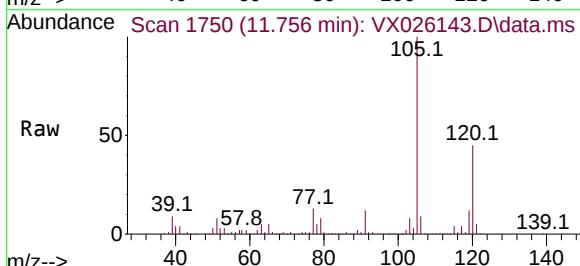
Acq: 29 Dec 2021 16:53

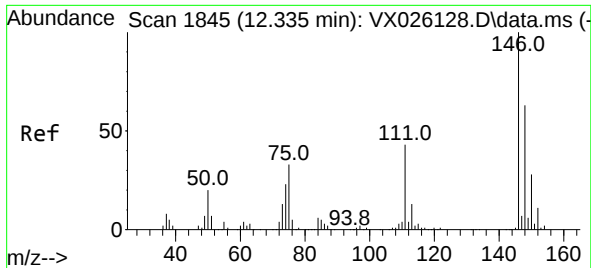
Tgt Ion:105 Resp: 143095

Ion Ratio Lower Upper

105 100

120 44.3 36.5 54.7





#67

1,2-Dichlorobenzene

Concen: 1.811 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

Instrument :

MSVOA_X

ClientSampleId :

GBCC1DL

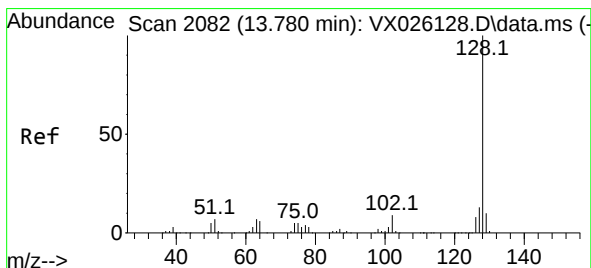
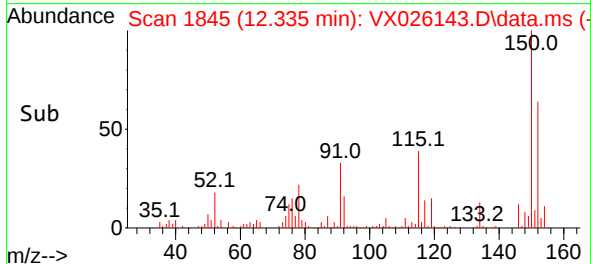
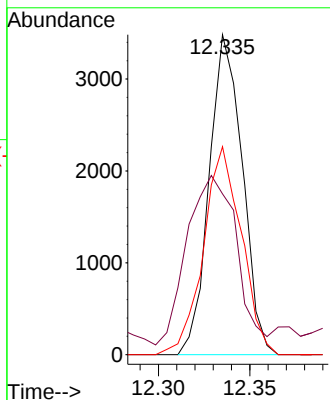
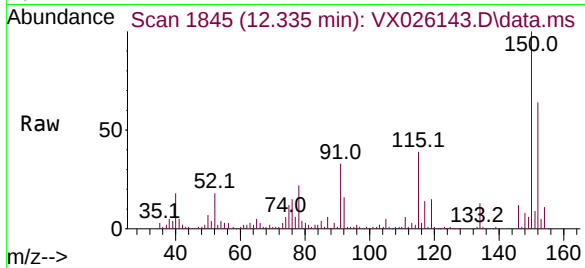
Tgt Ion:146 Resp: 4403

Ion Ratio Lower Upper

146 100

111 50.3 33.1 49.7#

148 65.0 49.6 74.4



#71

Naphthalene

Concen: 7.402 ug/L

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

Tgt Ion:128 Resp: 41560

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.6 8.6 12.8

