

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122721\
 Data File : VW024181.D
 Acq On : 27 Dec 2021 15:52
 Operator : SY/MD
 Sample : M5233-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GBCC9

Quant Time: Dec 28 06:56:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR122721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 28 05:23:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	141262	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	147341	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	89782	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	30484	2.869	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.400%
7) Chloroethane-d5	1.564	69	29101	3.284	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.600%
11) 1,1-Dichloroethene-d2	2.105	63	43794	1.696	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	34.000%#
20) 2-Butanone-d5	3.908	46	38219	32.382	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	64.760%
24) Chloroform-d	4.346	84	64260	2.849	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	57.000%#
26) 1,2-Dichloroethane-d4	5.034	65	29992	2.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	59.400%#
32) Benzene-d6	5.050	84	125170	3.146	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	63.000%#
36) 1,2-Dichloropropane-d6	6.069	67	33220	3.048	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	61.000%
41) Toluene-d8	7.313	98	125916	3.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.200%#
43) trans-1,3-Dichloroprop...	7.619	79	13177	2.855	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	57.200%
46) 2-Hexanone-d5	8.088	63	51140	32.956	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.920%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	22592	3.036	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	60.800%#
66) 1,2-Dichlorobenzene-d4	11.622	152	52314	3.352	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	67.000%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	13203	0.523	ug/L	100
8) Chloroethane	1.580	64	6452092	439.467	ug/L	92
13) Acetone	2.204	43	74982	44.764	ug/L	68
14) Carbon disulfide	2.294	76	23669	0.378	ug/L	99
17) Methyl tert-butyl Ether	2.767	73	33194	0.846	ug/L	# 1
18) trans-1,2-Dichloroethene	2.760	96	6299	0.306	ug/L	96
19) 1,1-Dichloroethane	3.188	63	68978	2.012	ug/L	100
22) cis-1,2-Dichloroethene	3.908	96	5854	0.287	ug/L	91
30) Cyclohexane	4.677	56	154701	5.597	ug/L	96
33) Benzene	5.098	78	9954691	128.780	ug/L	100
35) Methylcyclohexane	6.130	83	108540	3.436	ug/L	99
42) Toluene	7.384	91	2637901	30.582	ug/L	99
51) Chlorobenzene	8.879	112	222713	3.897	ug/L	98
52) Ethylbenzene	9.011	91	5214828	56.862	ug/L	98
53) m,p-xylene	9.140	106	2478405	68.127	ug/L	100
54) o-xylene	9.542	106	1282129	36.807	ug/L	99
60) Isopropylbenzene	9.931	105	462832	4.876	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	138873	1.735	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	1108300	13.587	ug/L	100

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Dec 28 05:23:55 2021
Response via : Initial Calibration

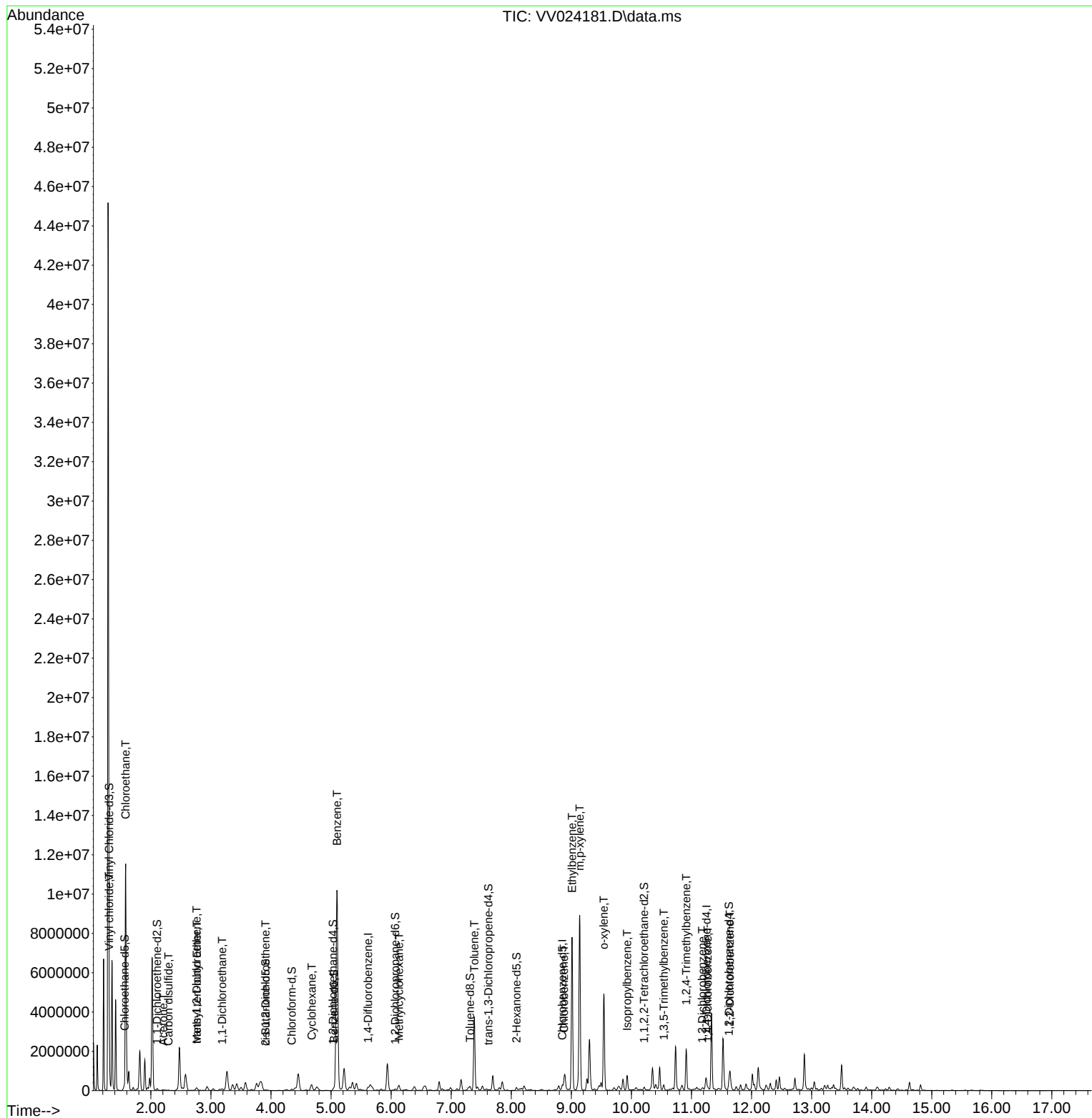
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.181	146	29253	0.595	ug/L	95
65) 1,4-Dichlorobenzene	11.271	146	49519	1.016	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	312247	7.014	ug/L	100

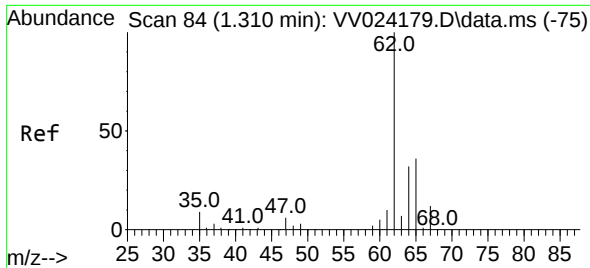
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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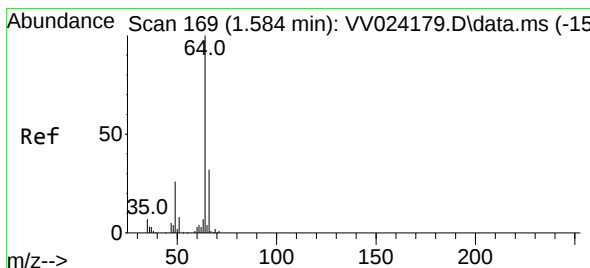
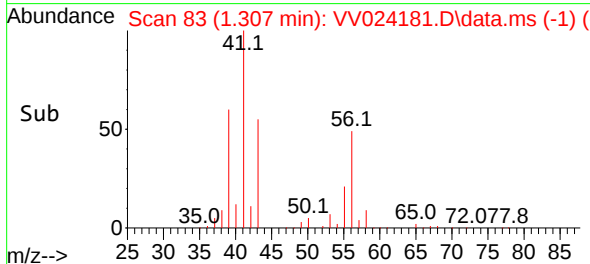
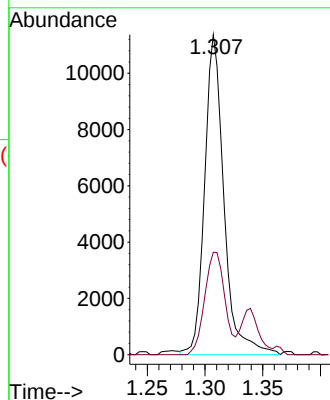
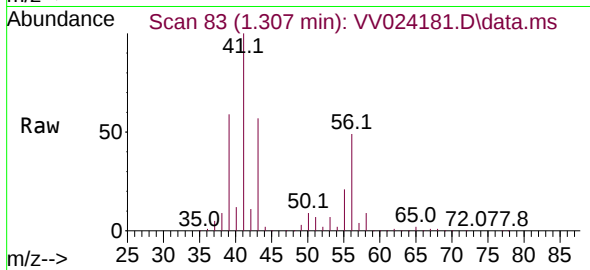




#5
 Vinyl chloride
 Concen: 0.523 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV024181.D
 Acq: 27 Dec 2021 15:52

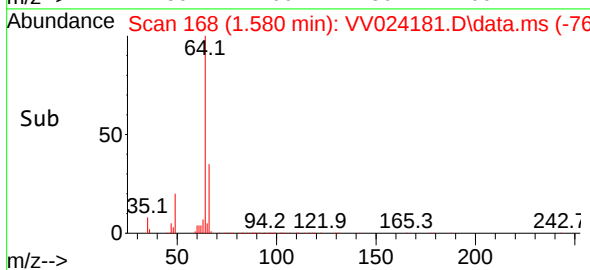
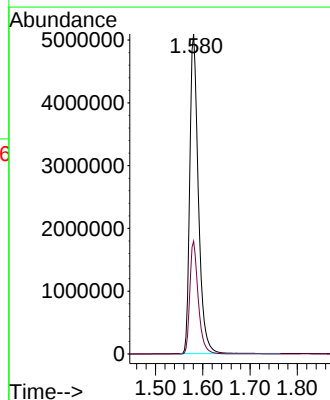
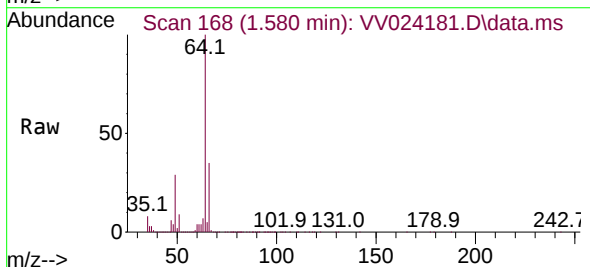
Instrument :
 MSVOA_V
 ClientSampleId :
 GBCC9

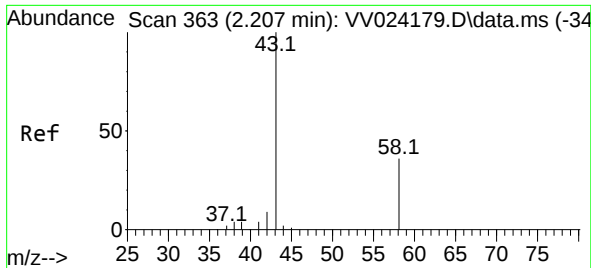
Tgt Ion: 62 Resp: 13203
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.4 41.6



#8
 Chloroethane
 Concen: 439.467 ug/L
 RT: 1.580 min Scan# 168
 Delta R.T. -0.003 min
 Lab File: VV024181.D
 Acq: 27 Dec 2021 15:52

Tgt Ion: 64 Resp: 6452092
 Ion Ratio Lower Upper
 64 100
 66 35.2 21.4 39.8





#13

Acetone

Concen: 44.764 ug/L

RT: 2.204 min Scan# 3

Delta R.T. -0.006 min

Lab File: VV024181.D

Acq: 27 Dec 2021 15:52

Instrument :

MSVOA_V

ClientSampleId :

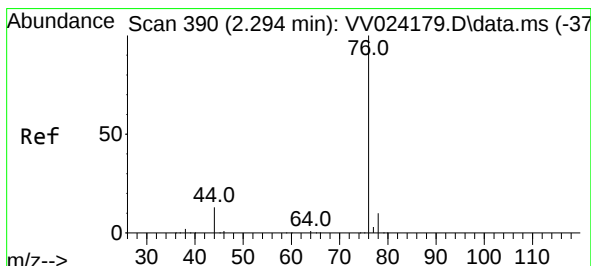
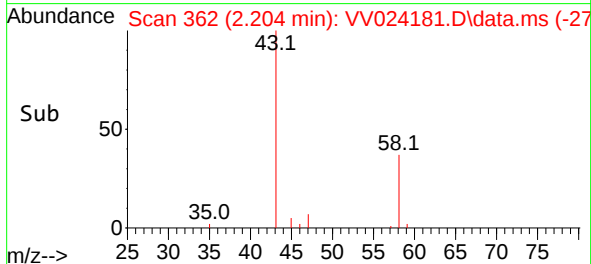
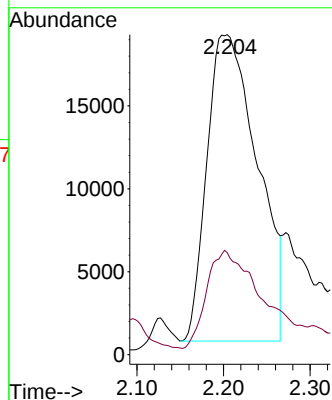
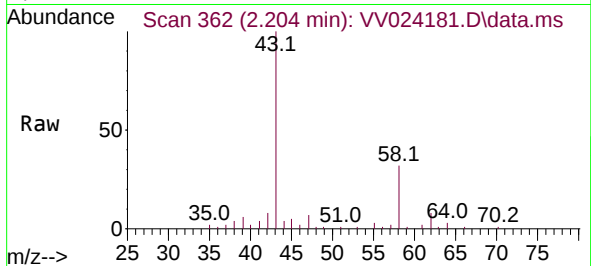
GBCC9

Tgt Ion: 43 Resp: 74982

Ion Ratio Lower Upper

43 100

58 35.8 0.0 41.4



#14

Carbon disulfide

Concen: 0.378 ug/L

RT: 2.294 min Scan# 390

Delta R.T. -0.000 min

Lab File: VV024181.D

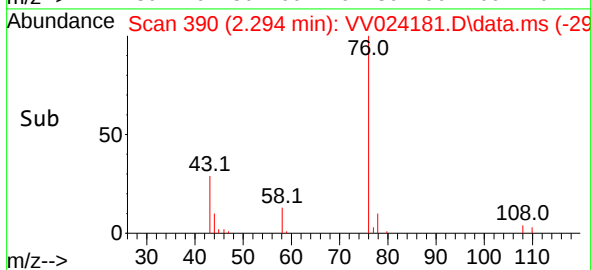
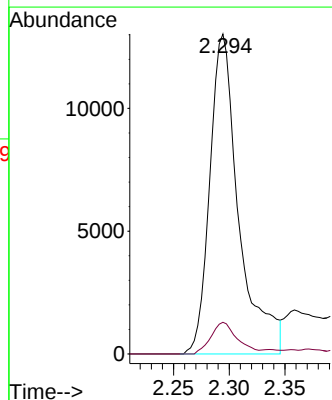
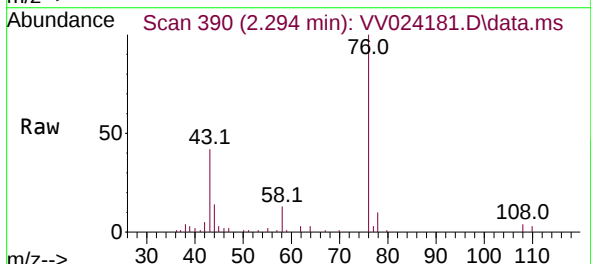
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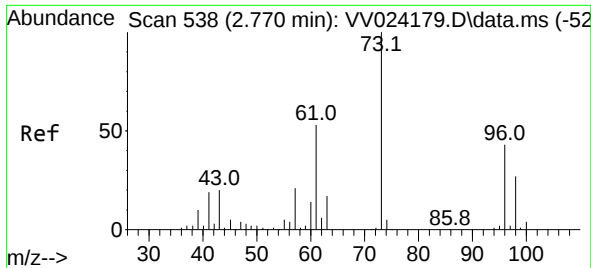
Tgt Ion: 76 Resp: 23669

Ion Ratio Lower Upper

76 100

78 9.9 7.5 11.3

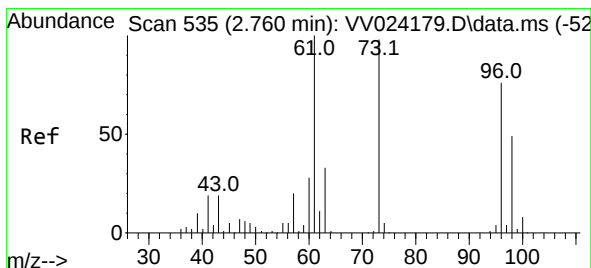
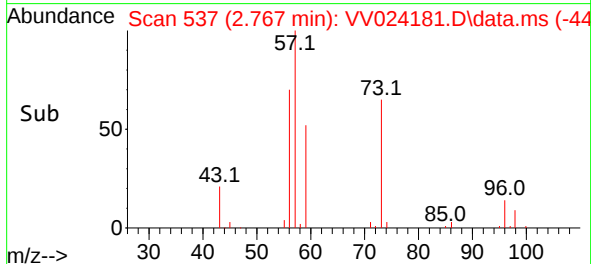
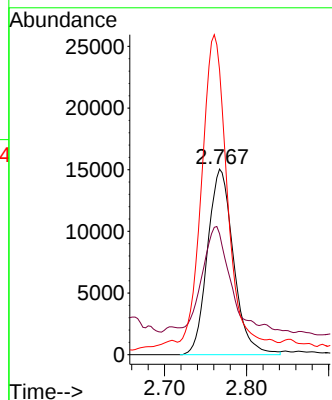
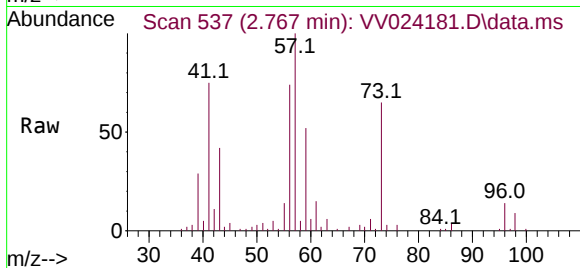




#17
Methyl tert-butyl Ether
Concen: 0.846 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

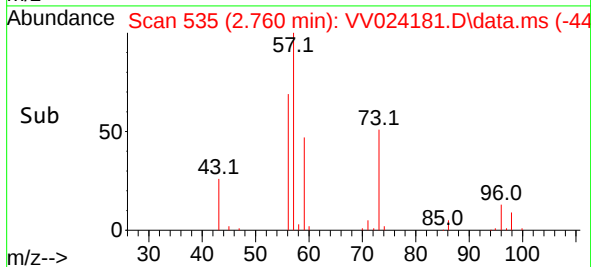
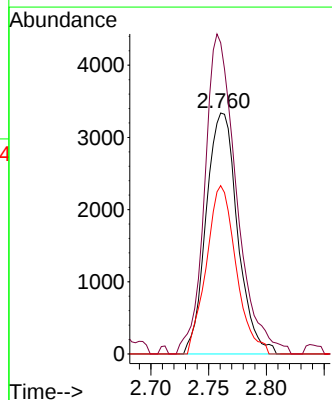
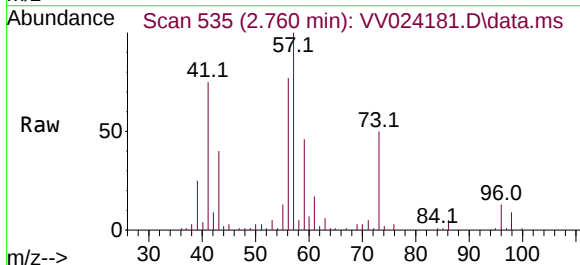
Instrument :
MSVOA_V
ClientSampleId :
GBCC9

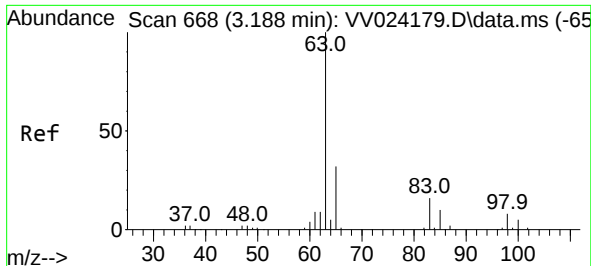
Tgt Ion: 73 Resp: 33194
Ion Ratio Lower Upper
73 100
43 54.0 15.5 23.3#
57 156.5 17.1 25.7#



#18
trans-1,2-Dichloroethene
Concen: 0.306 ug/L
RT: 2.760 min Scan# 535
Delta R.T. -0.000 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

Tgt Ion: 96 Resp: 6299
Ion Ratio Lower Upper
96 100
61 129.1 88.2 163.8
98 69.8 44.9 83.5





#19

1,1-Dichloroethane

Concen: 2.012 ug/L

RT: 3.188 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV024181.D

Acq: 27 Dec 2021 15:52

Instrument :

MSVOA_V

ClientSampleId :

GBCC9

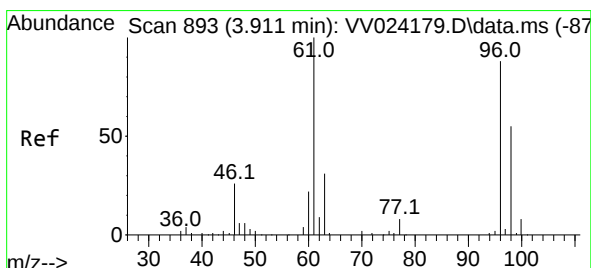
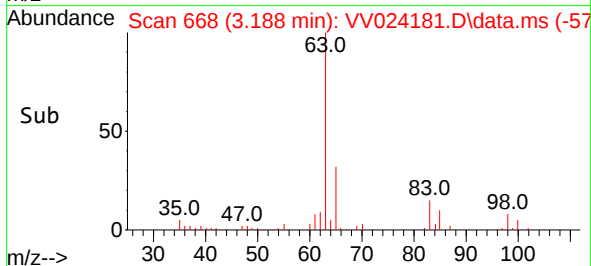
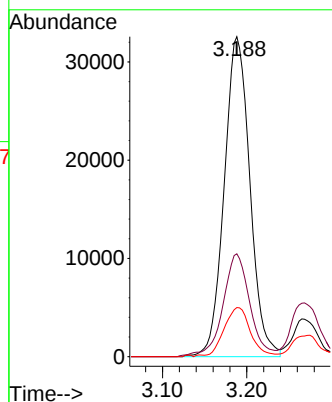
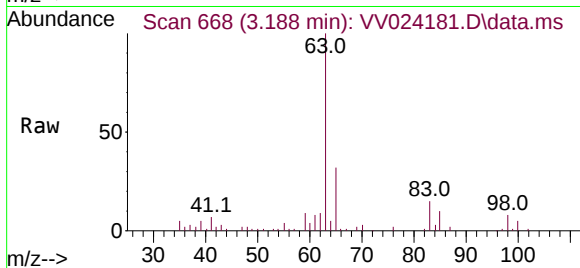
Tgt Ion: 63 Resp: 68978

Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.3

83 15.4 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 0.287 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.003 min

Lab File: VV024181.D

Acq: 27 Dec 2021 15:52

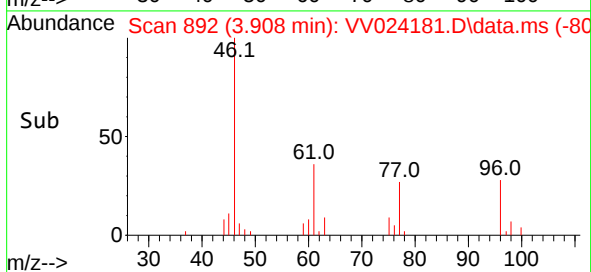
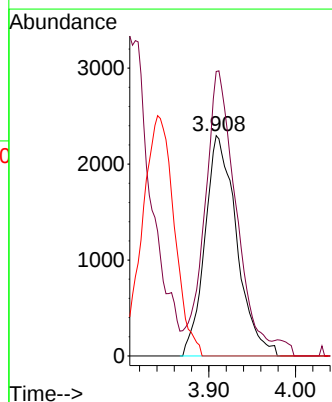
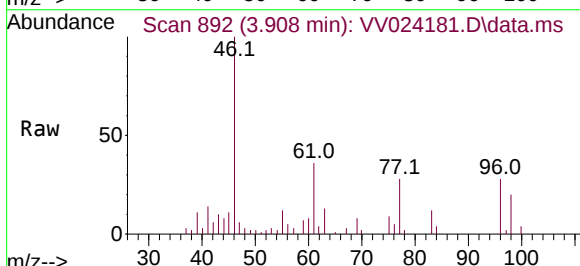
Tgt Ion: 96 Resp: 5854

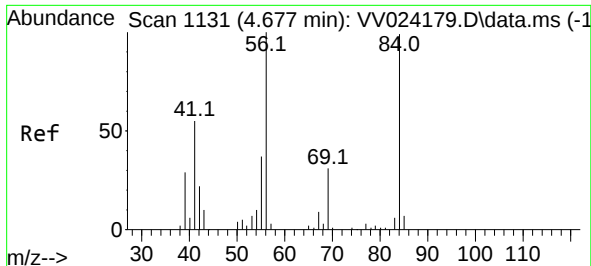
Ion Ratio Lower Upper

96 100

61 129.1 83.4 154.8

68 0.0 0.0 0.0

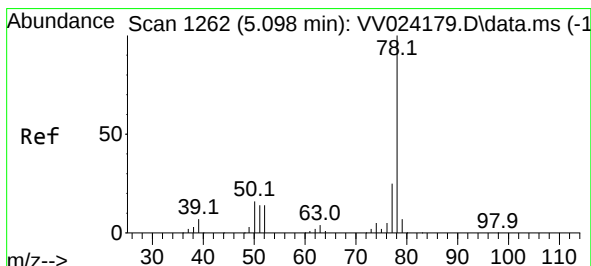
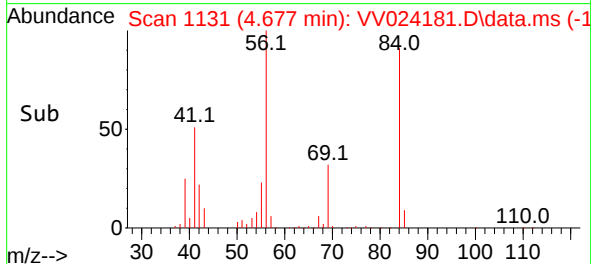
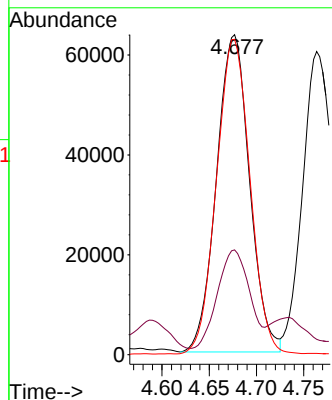
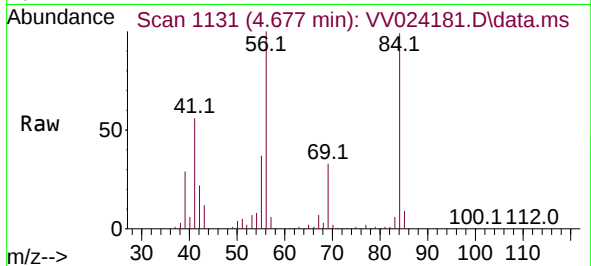




#30
Cyclohexane
Concen: 5.597 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

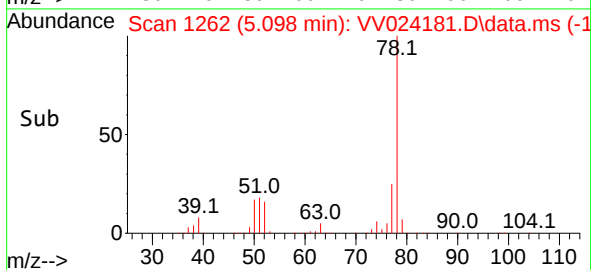
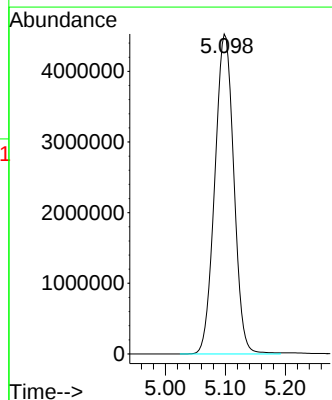
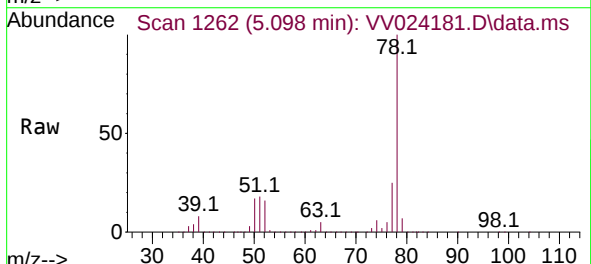
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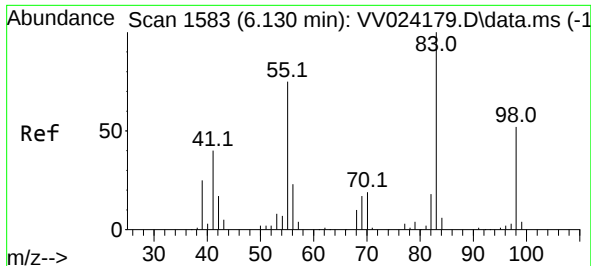
Tgt Ion: 56 Resp: 154701
Ion Ratio Lower Upper
56 100
69 30.2 24.8 37.2
84 100.2 75.9 113.9



#33
Benzene
Concen: 128.780 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. -0.000 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

Tgt Ion: 78 Resp: 9954691

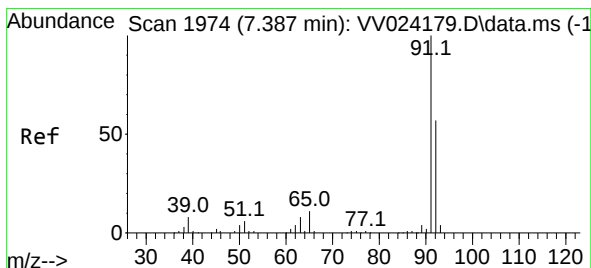
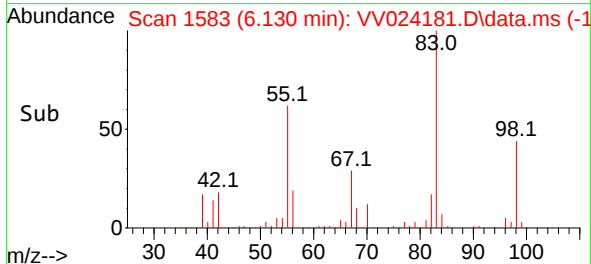
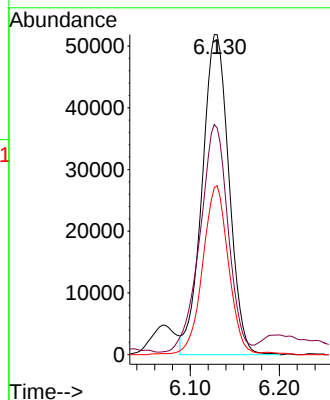
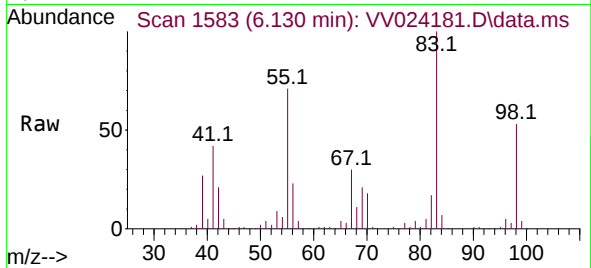




#35
Methylcyclohexane
Concen: 3.436 ug/L
RT: 6.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

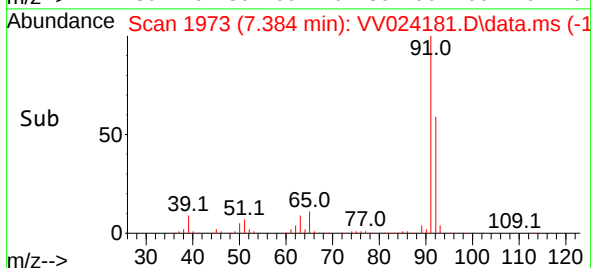
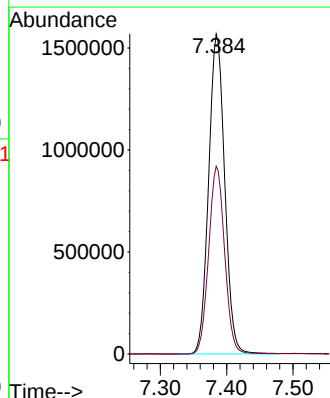
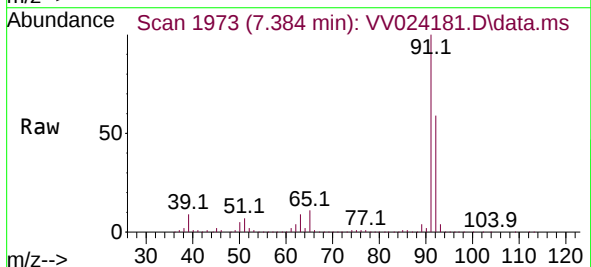
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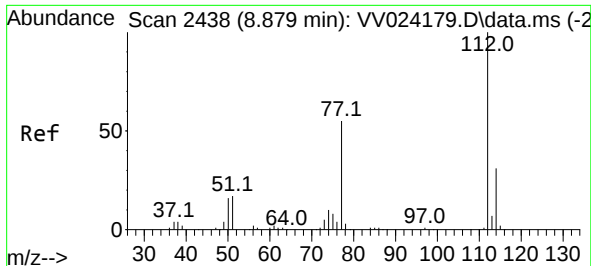
Tgt Ion: 83 Resp: 108540
Ion Ratio Lower Upper
83 100
55 74.5 60.2 90.2
98 50.8 41.0 61.4



#42
Toluene
Concen: 30.582 ug/L
RT: 7.384 min Scan# 1973
Delta R.T. -0.003 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

Tgt Ion: 91 Resp: 2637901
Ion Ratio Lower Upper
91 100
92 58.7 41.5 77.1

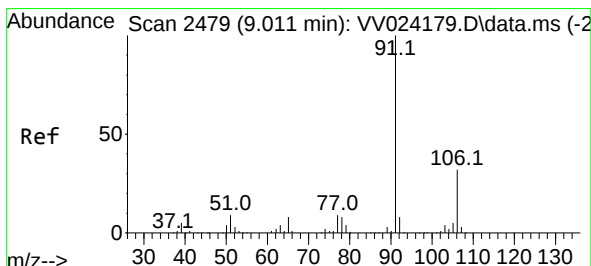
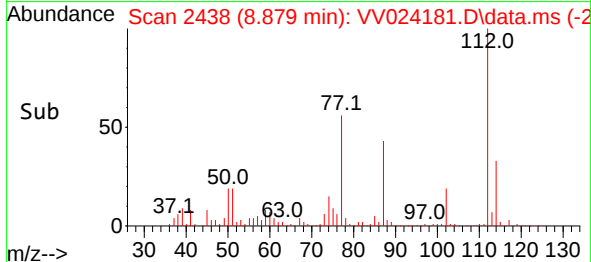
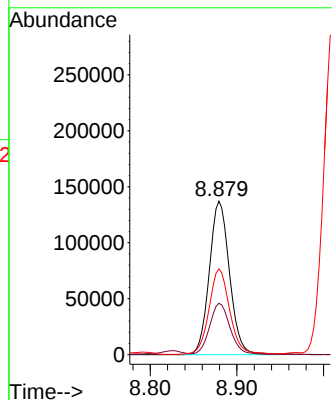
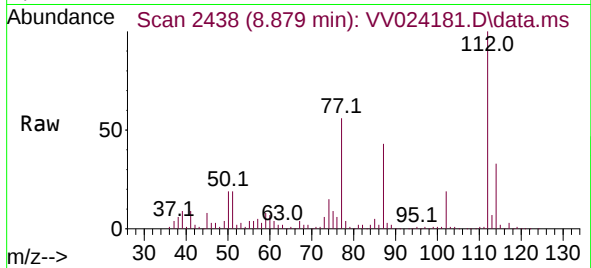




#51
Chlorobenzene
Concen: 3.897 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. -0.000 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

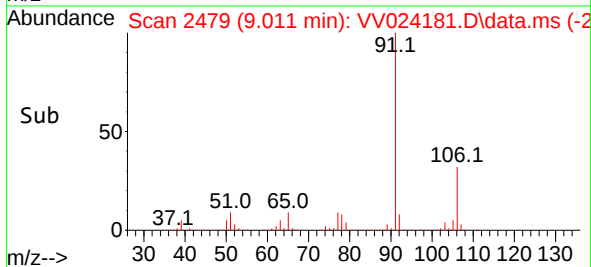
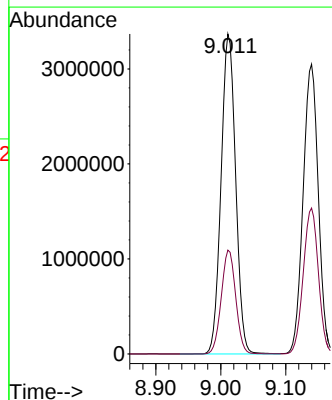
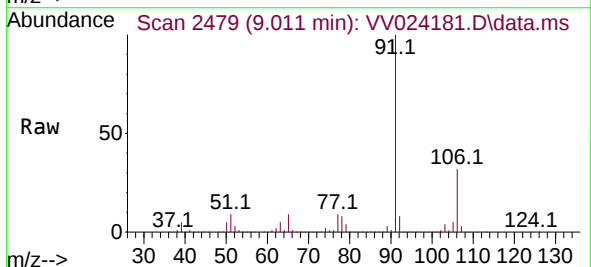
Instrument :
MSVOA_V
ClientSampleId :
GBCC9

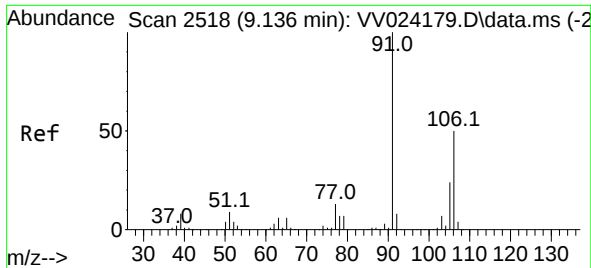
Tgt Ion:112 Resp: 222713
Ion Ratio Lower Upper
112 100
114 33.5 23.3 43.3
77 55.9 43.3 64.9



#52
Ethylbenzene
Concen: 56.862 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. -0.000 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

Tgt Ion: 91 Resp: 5214828
Ion Ratio Lower Upper
91 100
106 32.4 22.0 41.0

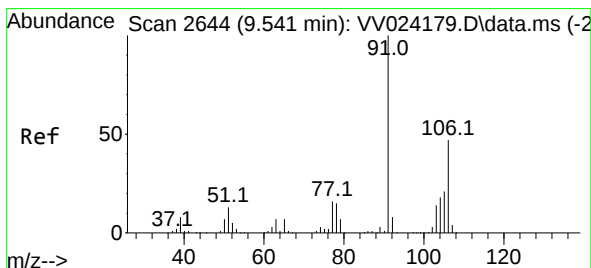
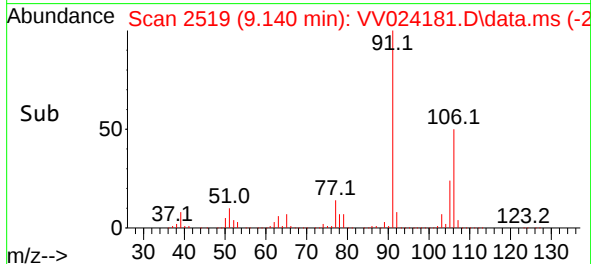
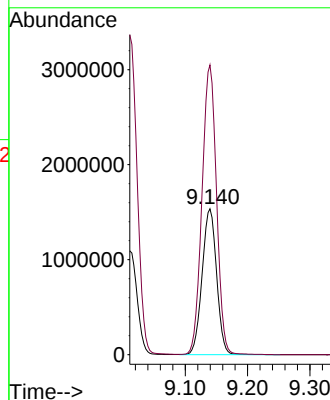
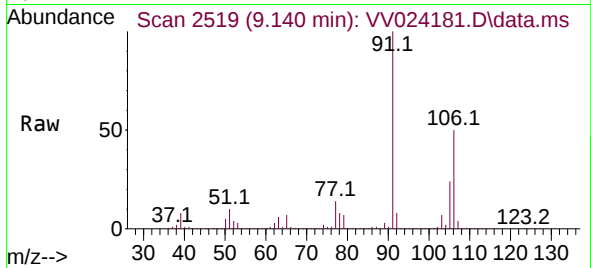




#53
m,p-xylene
Concen: 68.127 ug/L
RT: 9.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

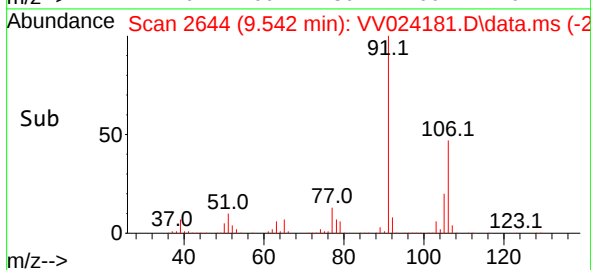
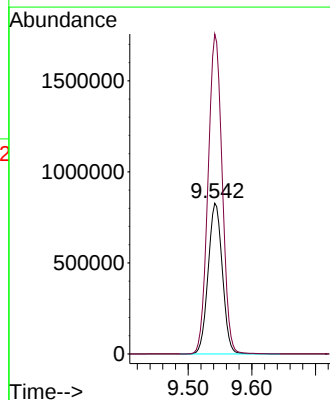
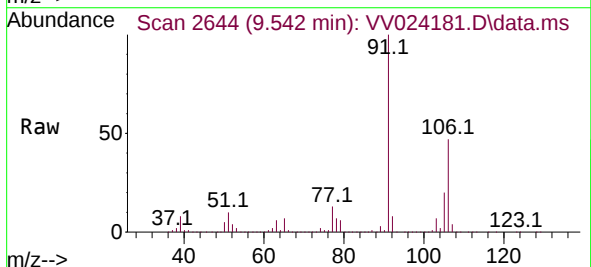
Instrument :
MSVOA_V
ClientSampleId :
GBCC9

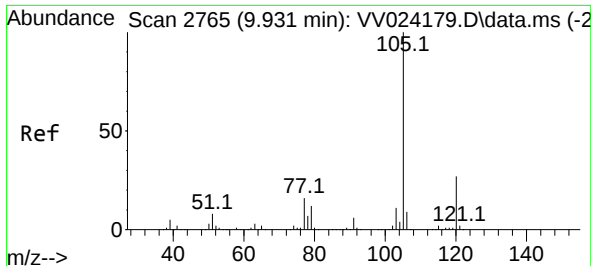
Tgt Ion:106 Resp: 2478405
Ion Ratio Lower Upper
106 100
91 198.6 139.5 259.1



#54
o-xylene
Concen: 36.807 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

Tgt Ion:106 Resp: 1282129
Ion Ratio Lower Upper
106 100
91 212.2 147.9 274.7

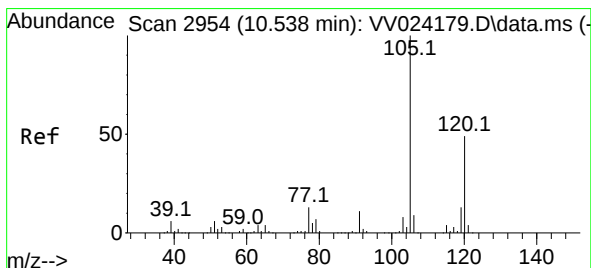
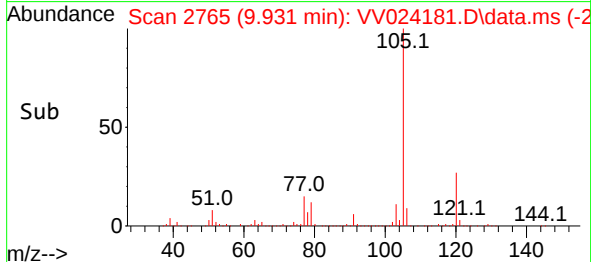
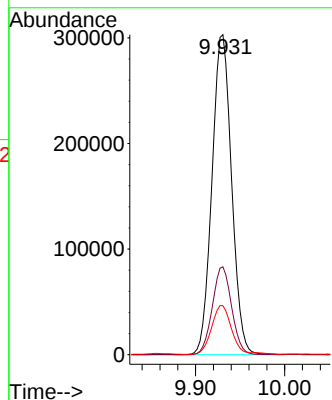
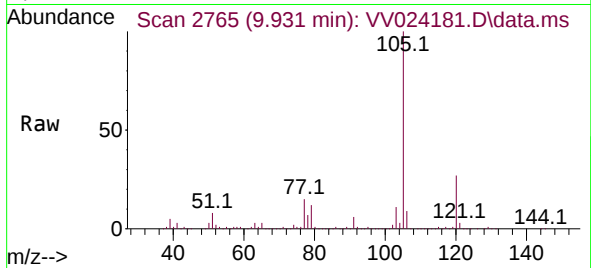




#60
Isopropylbenzene
Concen: 4.876 ug/L
RT: 9.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

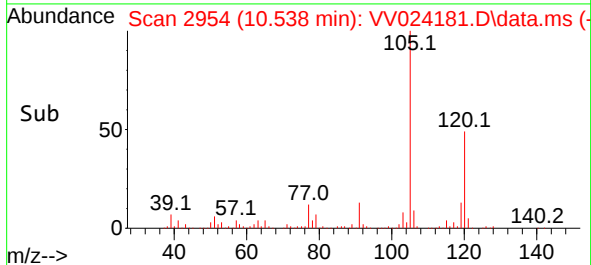
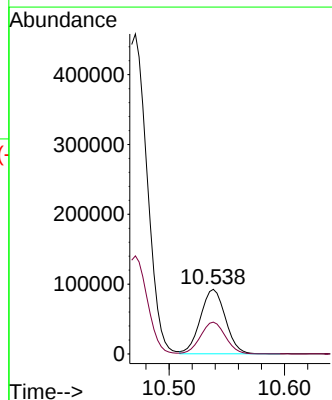
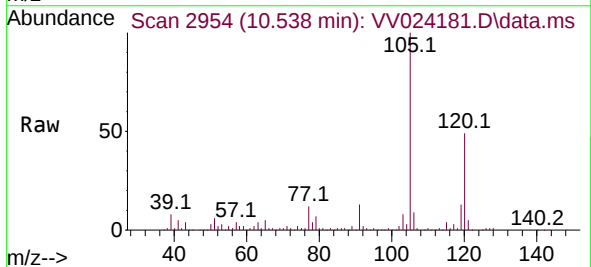
Instrument :
MSVOA_V
ClientSampleId :
GBCC9

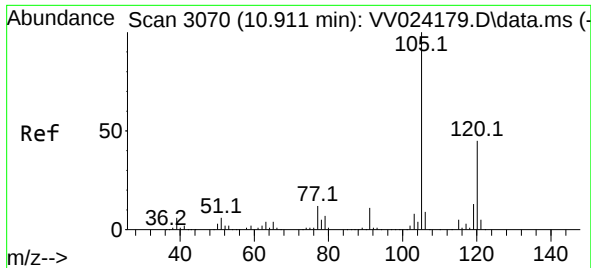
Tgt Ion:105 Resp: 462832
Ion Ratio Lower Upper
105 100
120 27.1 21.4 32.0
77 15.6 12.2 18.4



#62
1,3,5-Trimethylbenzene
Concen: 1.735 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

Tgt Ion:105 Resp: 138873
Ion Ratio Lower Upper
105 100
120 49.6 40.1 60.1

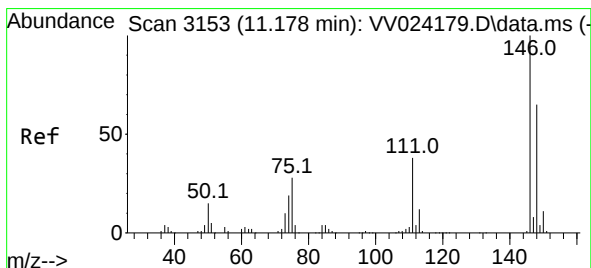
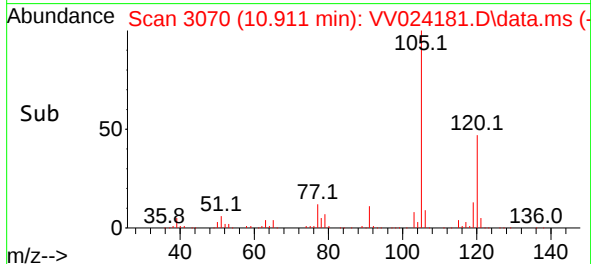
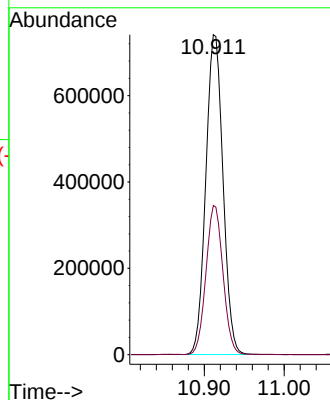
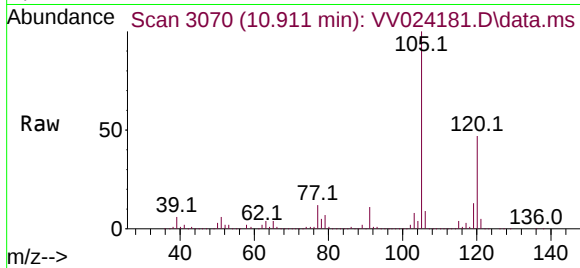




#63
1,2,4-Trimethylbenzene
Concen: 13.587 ug/L
RT: 10.911 min Scan# 3070
Delta R.T. -0.003 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

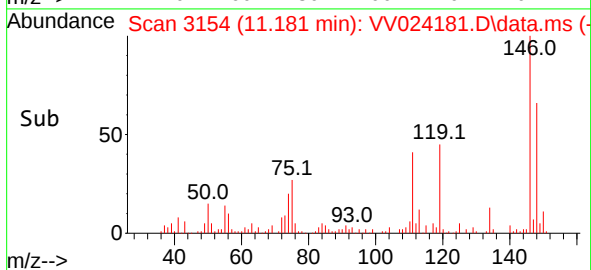
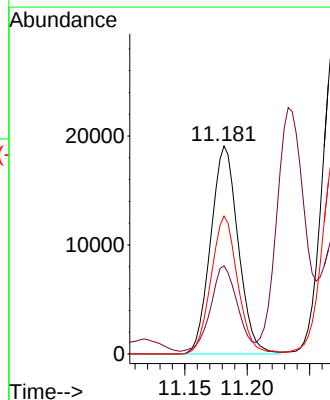
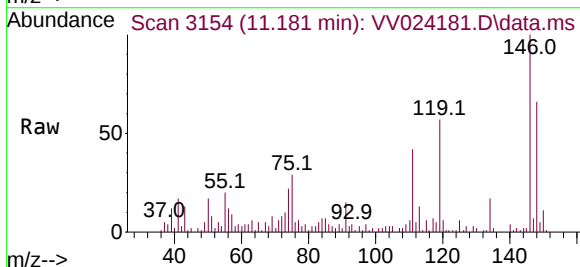
Instrument :
MSVOA_V
ClientSampleId :
GBCC9

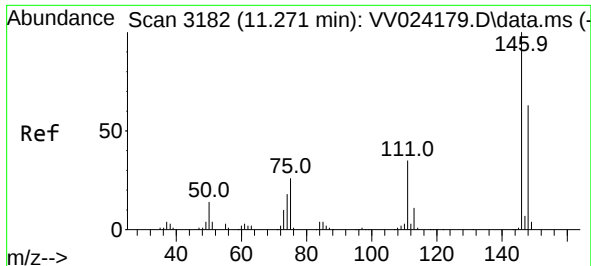
Tgt Ion:105 Resp: 1108300
Ion Ratio Lower Upper
105 100
120 46.1 36.7 55.1



#64
1,3-Dichlorobenzene
Concen: 0.595 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

Tgt Ion:146 Resp: 29253
Ion Ratio Lower Upper
146 100
111 42.4 26.3 48.9
148 66.3 44.4 82.5

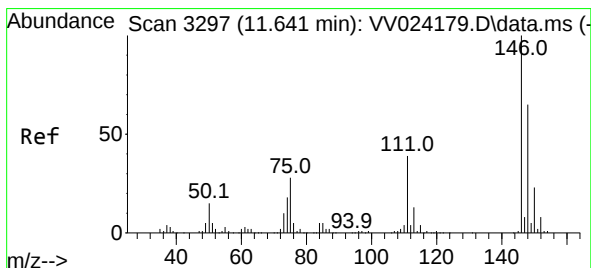
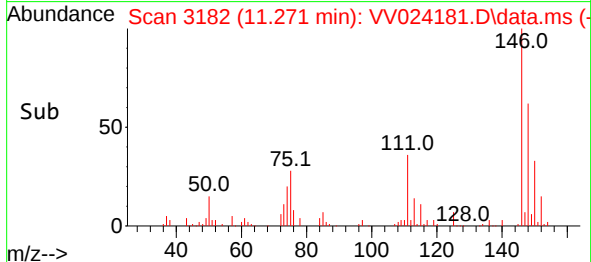
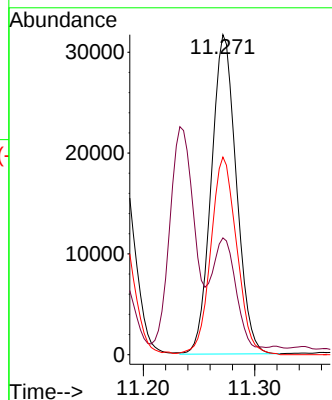
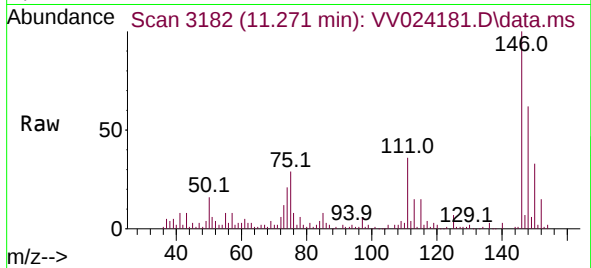




#65
1,4-Dichlorobenzene
Concen: 1.016 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

Instrument :
MSVOA_V
ClientSampleId :
GBCC9

Tgt Ion:146 Resp: 49519
Ion Ratio Lower Upper
146 100
111 36.5 25.6 47.6
148 61.7 44.8 83.2



#67
1,2-Dichlorobenzene
Concen: 7.014 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.000 min
Lab File: VV024181.D
Acq: 27 Dec 2021 15:52

Tgt Ion:146 Resp: 312247
Ion Ratio Lower Upper
146 100
111 39.9 31.9 47.9
148 63.7 50.5 75.7

