

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW010522\
 Data File : VW024281.D
 Acq On : 05 Jan 2022 16:20
 Operator : SY/MD
 Sample : N1025-08
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGLH2

Quant Time: Jan 06 01:01:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM123121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 06 00:59:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	251959	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	233371	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	135977	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	83198	45.882	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.760%
7) Chloroethane-d5	1.571	69	64433	46.775	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.560%
11) 1,1-Dichloroethene-d2	2.111	63	122648	36.190	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.380%
21) 2-Butanone-d5	3.886	46	101538	100.505	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.510%
24) Chloroform-d	4.349	84	151314	45.657	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.320%
26) 1,2-Dichloroethane-d4	5.031	65	102511	46.199	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.400%
32) Benzene-d6	5.050	84	298098	48.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.900%
36) 1,2-Dichloropropane-d6	6.069	67	84851	49.715	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.440%
41) Toluene-d8	7.317	98	283527	48.084	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.160%
43) trans-1,3-Dichloroprop...	7.622	79	46706	47.524	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.040%
47) 2-Hexanone-d5	8.088	63	75807	102.233	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.230%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	114701	47.027	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.060%
66) 1,2-Dichlorobenzene-d4	11.622	152	131935	48.678	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.360%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.314	62	3681	2.037	ug/L #	29
12) 1,1-Dichloroethene	2.114	96	1515	0.987	ug/L #	1
13) Acetone	2.179	43	35560	35.650	ug/L	99
17) trans-1,2-Dichloroethene	2.764	96	1254	0.793	ug/L	91
19) 1,1-Dichloroethane	3.195	63	9024	3.440	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	63543	37.622	ug/L	96
29) Cyclohexane	4.677	56	5195	2.490	ug/L	95
33) Benzene	5.101	78	397123	66.923	ug/L	100
35) Methylcyclohexane	6.130	83	6829	2.814	ug/L	94
42) Toluene	7.387	91	1487240	223.273	ug/L	100
51) Chlorobenzene	8.883	112	28409	6.332	ug/L	96
52) Ethylbenzene	9.011	91	350325	49.230	ug/L	100
53) m,p-Xylene	9.137	106	152890	53.600	ug/L	99
54) o-Xylene	9.542	106	74978	27.536	ug/L	100
60) Isopropylbenzene	9.931	105	95357	12.673	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	23300	3.600	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	297919	46.106	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	2931	0.733	ug/L	90
67) 1,2-Dichlorobenzene	11.645	146	22584	5.648	ug/L	97

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Quant Title : VOC Analysis
QLast Update : Thu Jan 06 00:59:13 2022
Response via : Initial Calibration

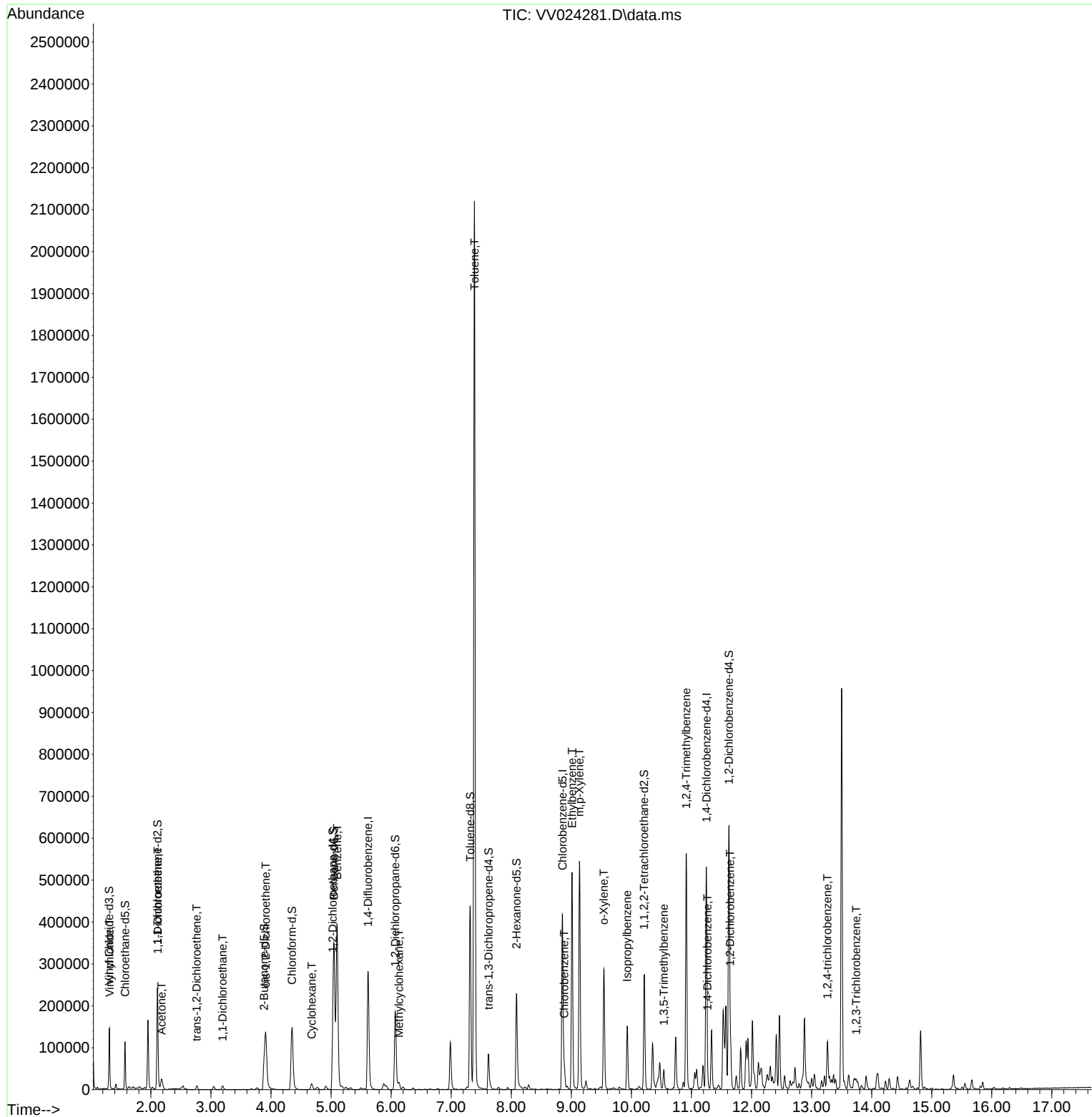
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.262	180	18811	7.371	ug/L #	94
72) 1,2,3-Trichlorobenzene	13.744	180	6150	2.332	ug/L #	90

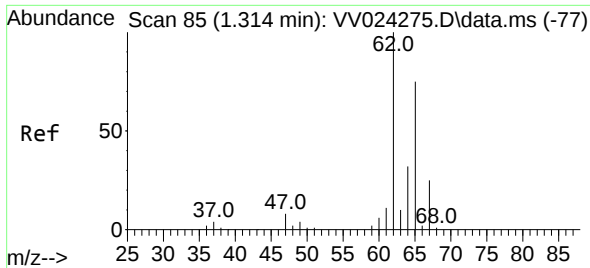
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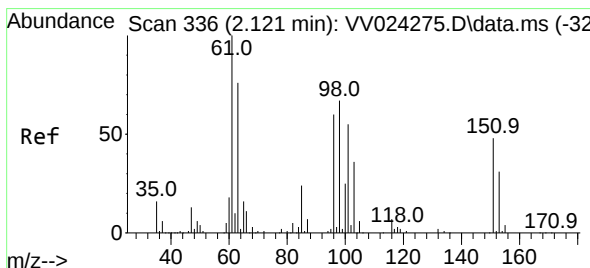
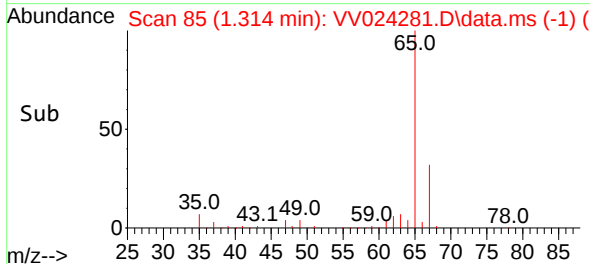
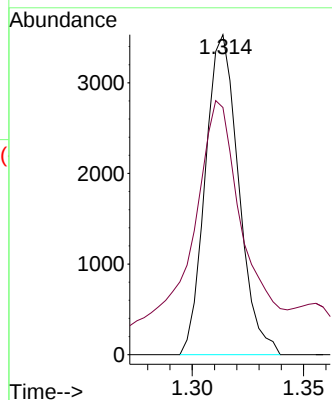
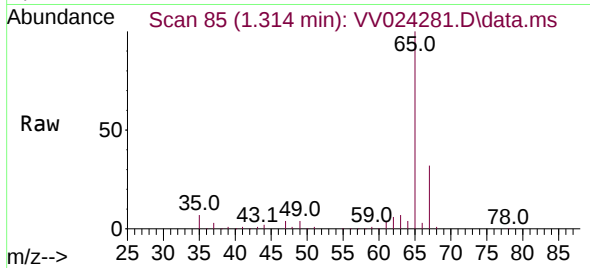




#5
 Vinyl chloride
 Concen: 2.037 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. 0.000 min
 Lab File: VV024281.D
 Acq: 05 Jan 2022 16:20

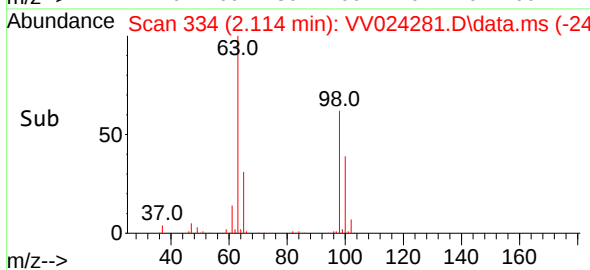
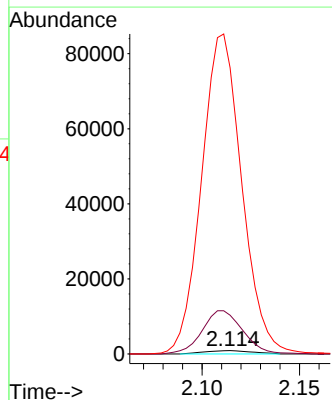
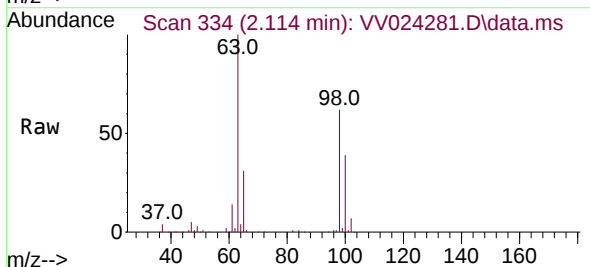
Instrument :
 MSVOA_V
 ClientSampleId :
 BGLH2

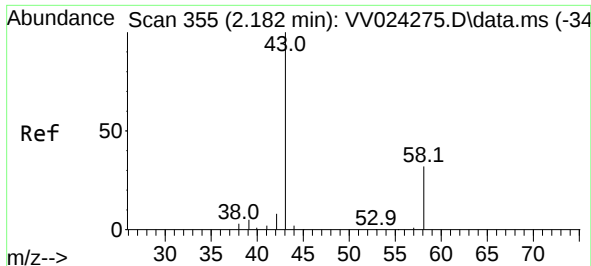
Tgt Ion: 62 Resp: 3681
 Ion Ratio Lower Upper
 62 100
 64 77.2 25.0 46.4#



#12
 1,1-Dichloroethene
 Concen: 0.987 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.006 min
 Lab File: VV024281.D
 Acq: 05 Jan 2022 16:20

Tgt Ion: 96 Resp: 1515
 Ion Ratio Lower Upper
 96 100
 61 1157.5 111.9 207.9#
 63 8563.6 82.7 153.5#





#13

Acetone

Concen: 35.650 ug/L

RT: 2.179 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV024281.D

Acq: 05 Jan 2022 16:20

Instrument :

MSVOA_V

ClientSampleId :

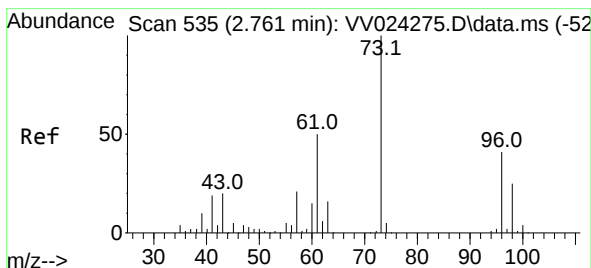
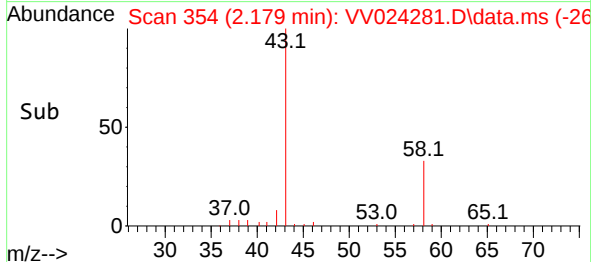
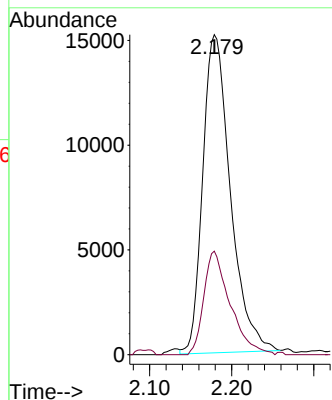
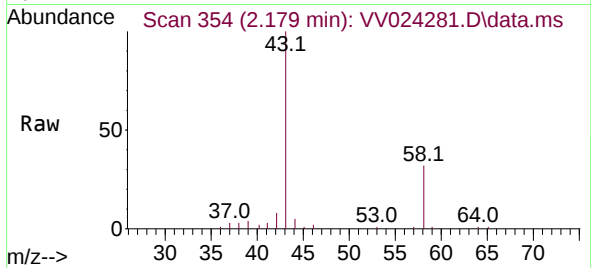
BGLH2

Tgt Ion: 43 Resp: 35560

Ion Ratio Lower Upper

43 100

58 30.9 0.0 63.0



#17

trans-1,2-Dichloroethene

Concen: 0.793 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.003 min

Lab File: VV024281.D

Acq: 05 Jan 2022 16:20

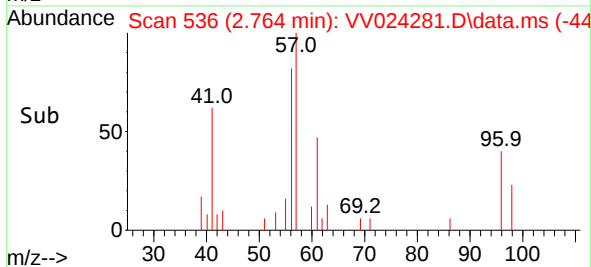
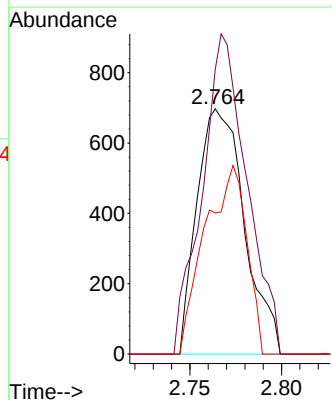
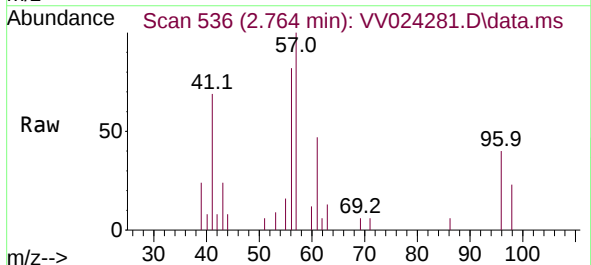
Tgt Ion: 96 Resp: 1254

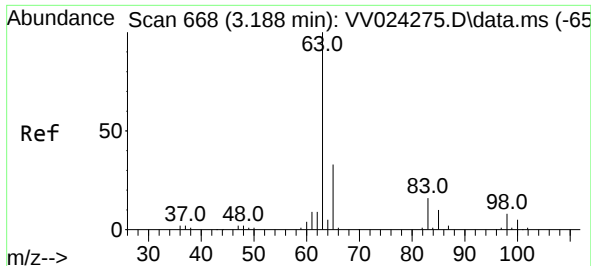
Ion Ratio Lower Upper

96 100

61 116.1 88.1 163.7

98 57.5 45.0 83.6





#19

1,1-Dichloroethane

Concen: 3.440 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.006 min

Lab File: VV024281.D

Acq: 05 Jan 2022 16:20

Instrument :

MSVOA_V

ClientSampleId :

BGLH2

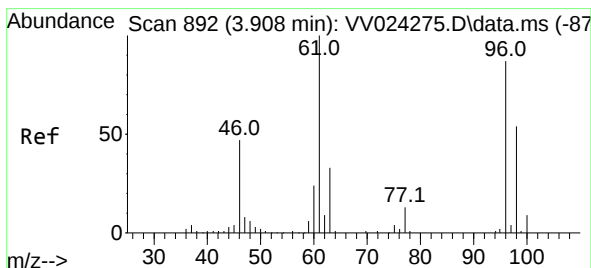
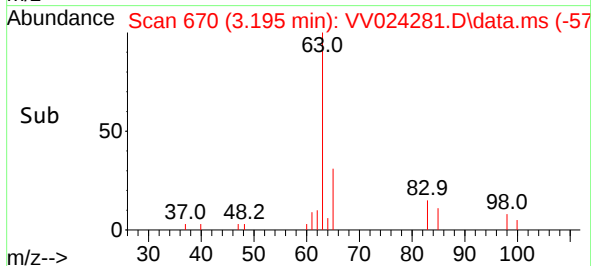
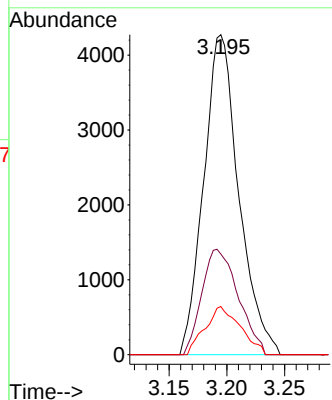
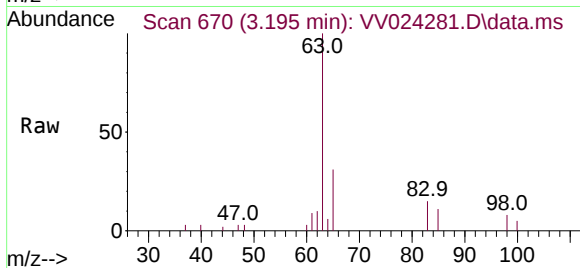
Tgt Ion: 63 Resp: 9024

Ion Ratio Lower Upper

63 100

65 31.5 22.4 41.6

83 15.0 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 37.622 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV024281.D

Acq: 05 Jan 2022 16:20

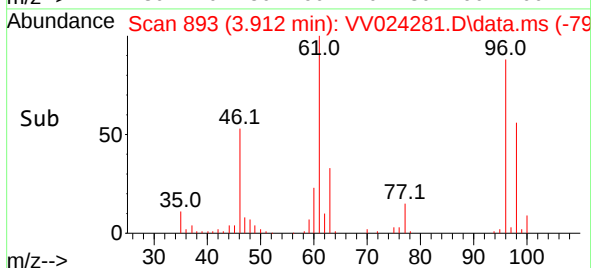
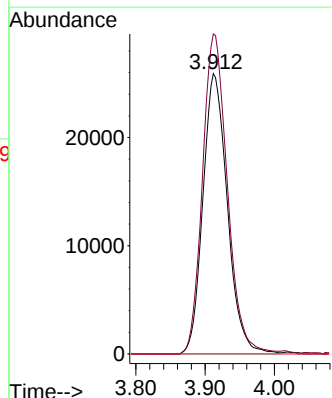
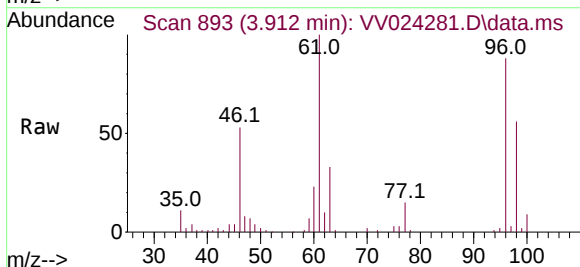
Tgt Ion: 96 Resp: 63543

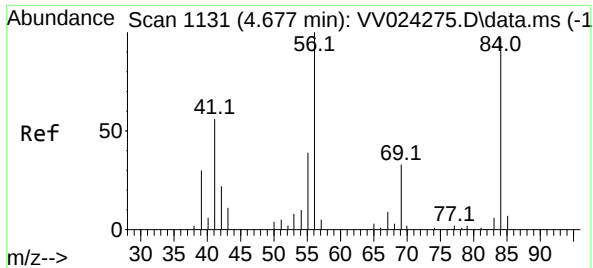
Ion Ratio Lower Upper

96 100

61 114.2 82.9 153.9

68 0.0 0.0 0.0

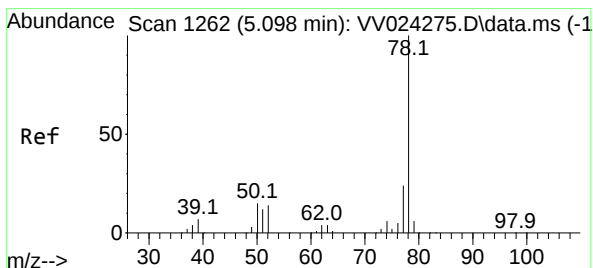
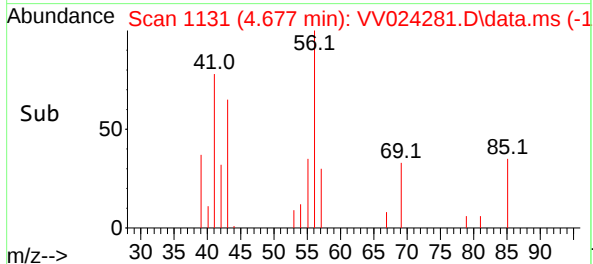
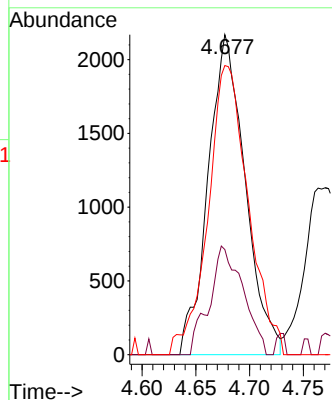
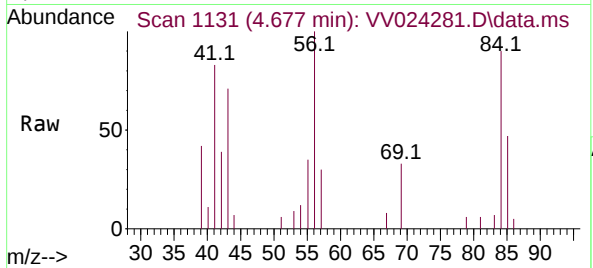




#29
Cyclohexane
Concen: 2.490 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VV024281.D
Acq: 05 Jan 2022 16:20

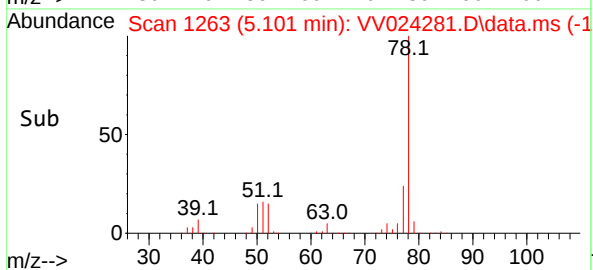
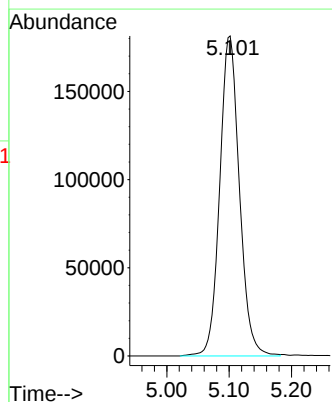
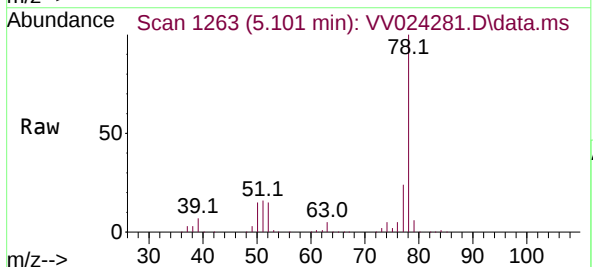
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ClientSampleId :
BGLH2

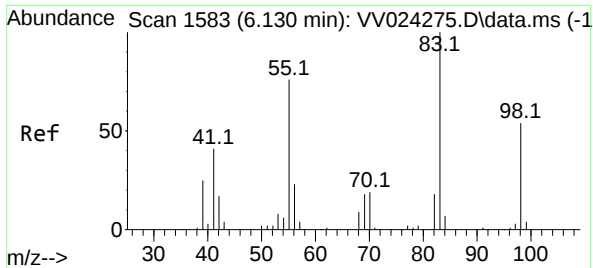
Tgt Ion: 56 Resp: 5195
Ion Ratio Lower Upper
56 100
69 26.4 25.8 38.6
84 95.7 79.1 118.7



#33
Benzene
Concen: 66.923 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV024281.D
Acq: 05 Jan 2022 16:20

Tgt Ion: 78 Resp: 397123

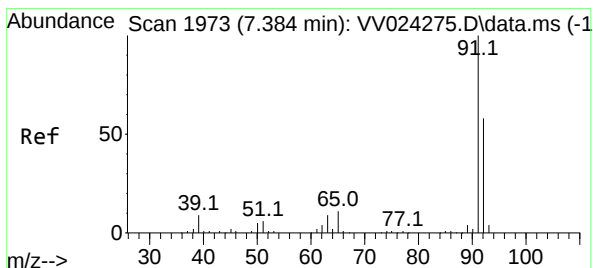
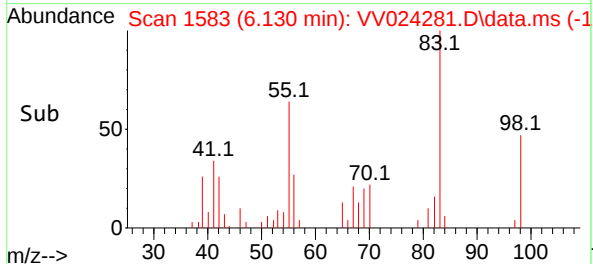
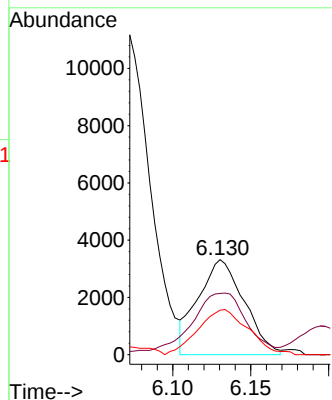
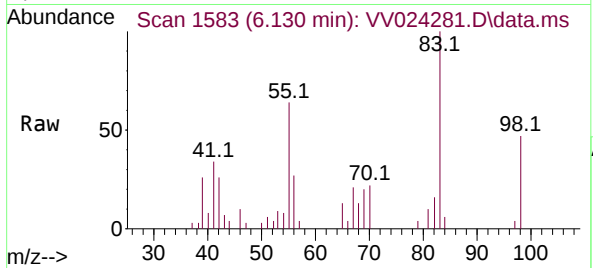




#35
Methylcyclohexane
Concen: 2.814 ug/L
RT: 6.130 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV024281.D
Acq: 05 Jan 2022 16:20

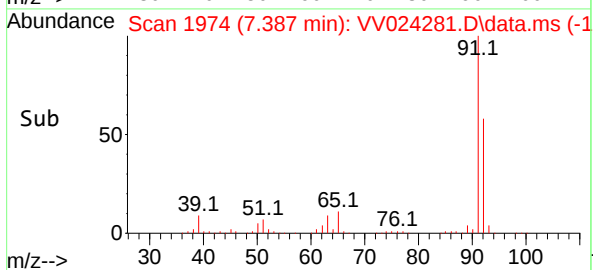
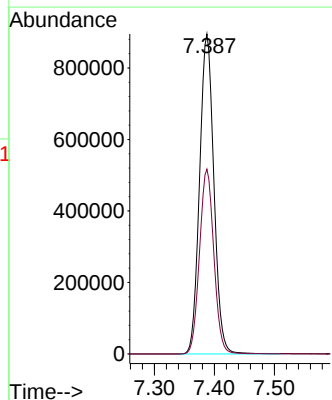
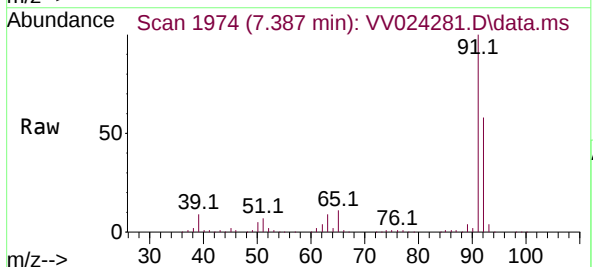
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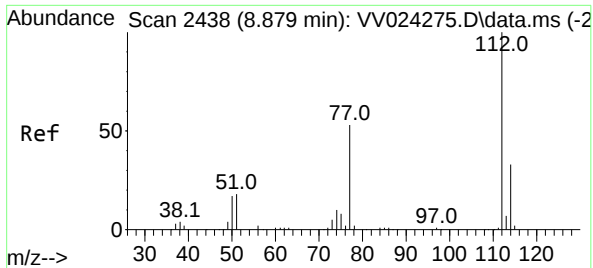
Tgt Ion: 83 Resp: 6829
Ion Ratio Lower Upper
83 100
55 77.3 55.6 83.4
98 51.0 41.3 61.9



#42
Toluene
Concen: 223.273 ug/L
RT: 7.387 min Scan# 1974
Delta R.T. 0.003 min
Lab File: VV024281.D
Acq: 05 Jan 2022 16:20

Tgt Ion: 91 Resp: 1487240
Ion Ratio Lower Upper
91 100
92 57.8 40.4 75.0

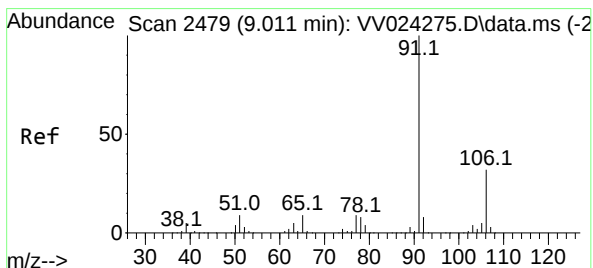
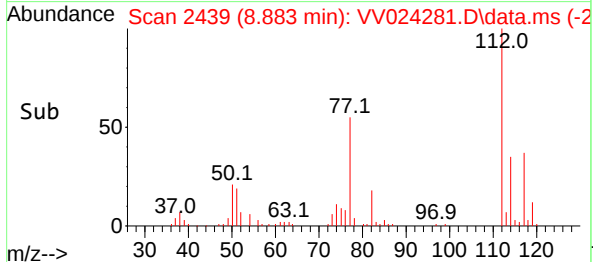
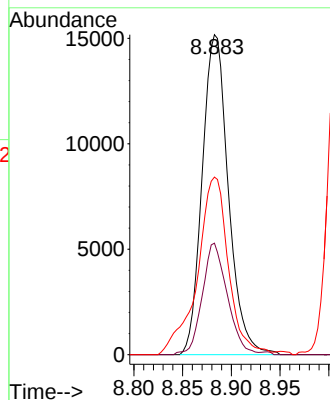
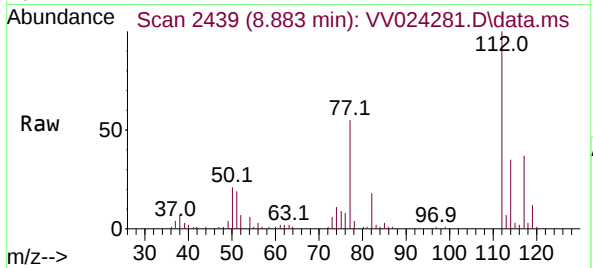




#51
Chlorobenzene
Concen: 6.332 ug/L
RT: 8.883 min Scan# 2438
Delta R.T. 0.003 min
Lab File: VV024281.D
Acq: 05 Jan 2022 16:20

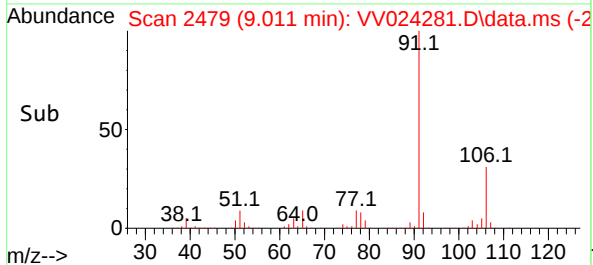
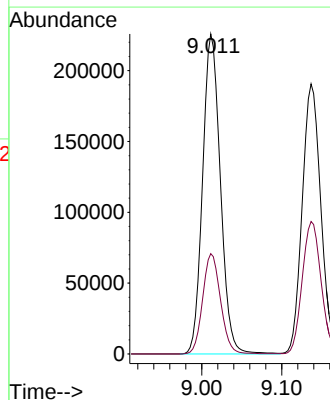
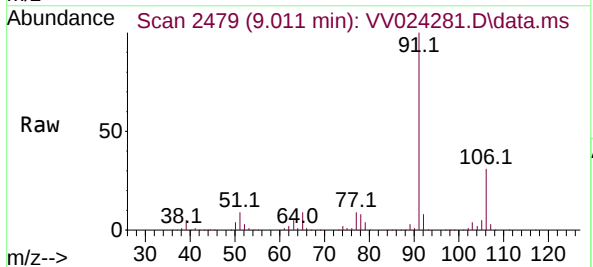
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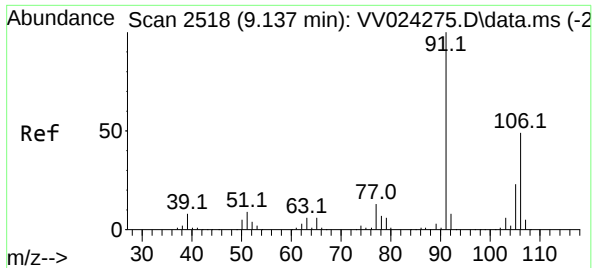
Tgt Ion:112 Resp: 28409
Ion Ratio Lower Upper
112 100
114 34.9 22.3 41.5
77 55.5 42.8 64.2



#52
Ethylbenzene
Concen: 49.230 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV024281.D
Acq: 05 Jan 2022 16:20

Tgt Ion: 91 Resp: 350325
Ion Ratio Lower Upper
91 100
106 31.4 22.0 41.0

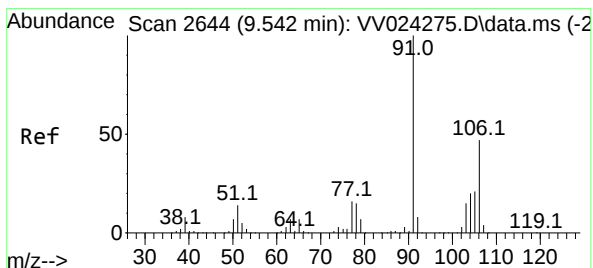
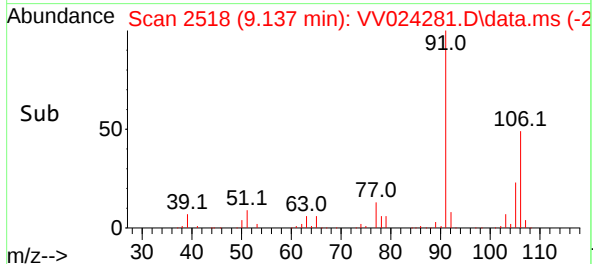
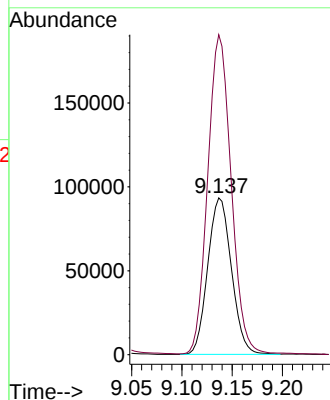
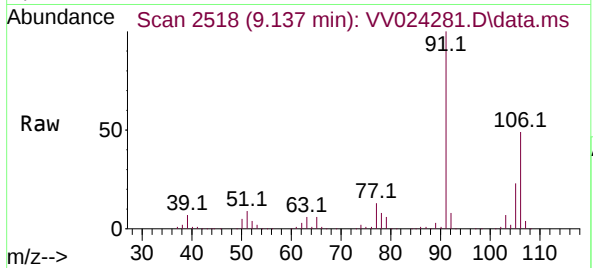




#53
m,p-Xylene
Concen: 53.600 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV024281.D
Acq: 05 Jan 2022 16:20

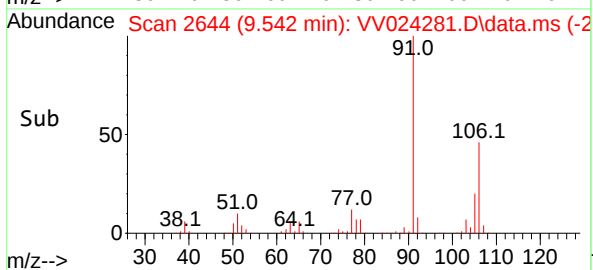
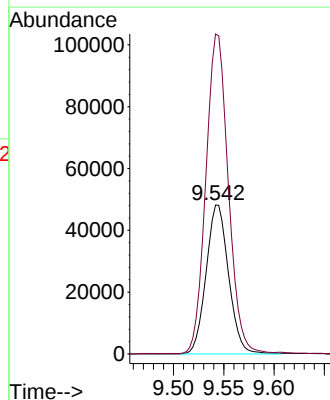
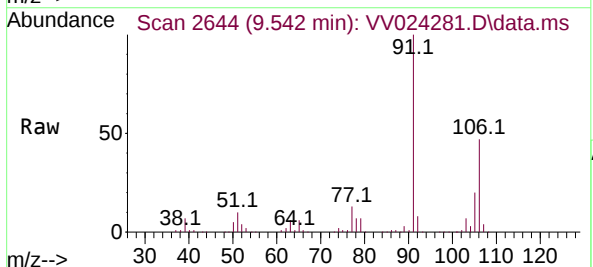
Instrument :
MSVOA_V
ClientSampleId :
BGLH2

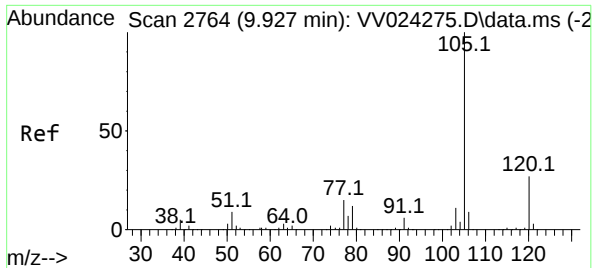
Tgt Ion:106 Resp: 152890
Ion Ratio Lower Upper
106 100
91 204.0 141.8 263.4



#54
o-Xylene
Concen: 27.536 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV024281.D
Acq: 05 Jan 2022 16:20

Tgt Ion:106 Resp: 74978
Ion Ratio Lower Upper
106 100
91 214.9 150.9 280.3

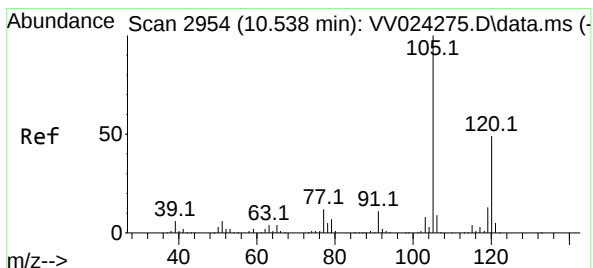
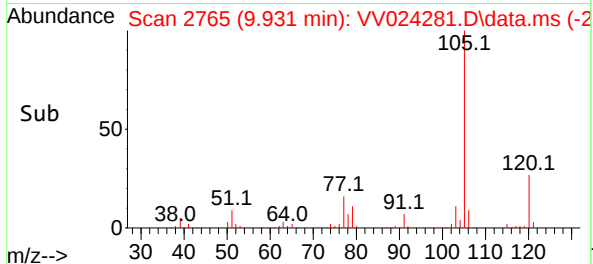
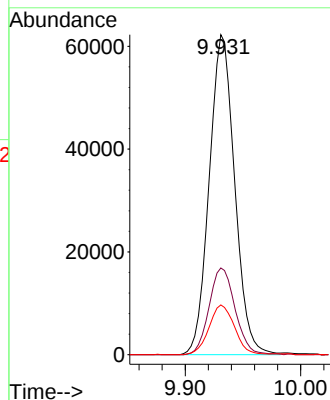
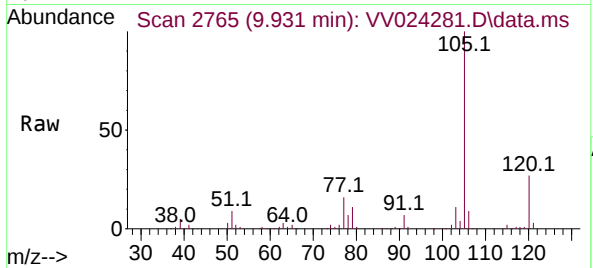




#60
Isopropylbenzene
Concen: 12.673 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV024281.D
Acq: 05 Jan 2022 16:20

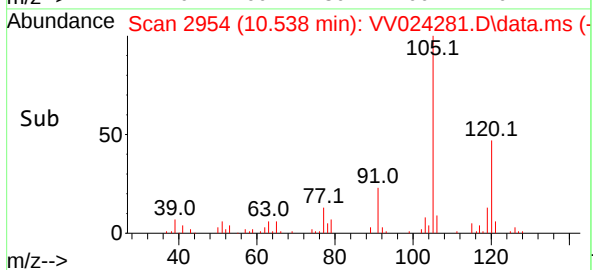
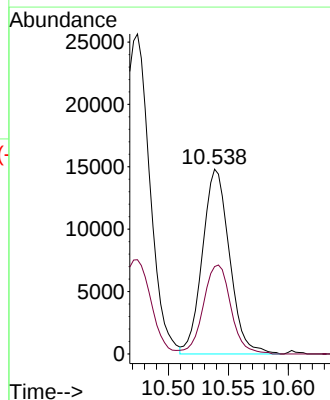
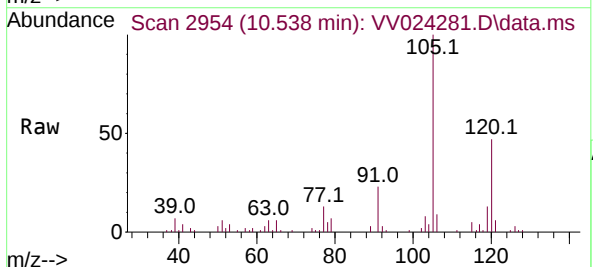
Instrument :
MSVOA_V
ClientSampleId :
BGLH2

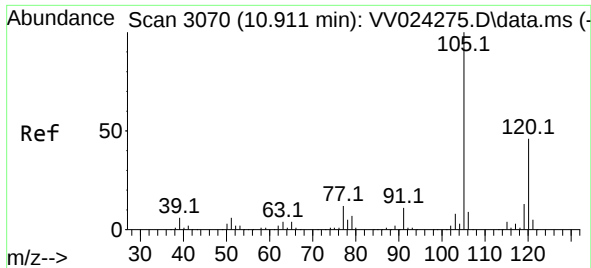
Tgt Ion:105 Resp: 95357
Ion Ratio Lower Upper
105 100
120 27.7 21.9 32.9
77 15.6 11.9 17.9



#62
1,3,5-Trimethylbenzene
Concen: 3.600 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV024281.D
Acq: 05 Jan 2022 16:20

Tgt Ion:105 Resp: 23300
Ion Ratio Lower Upper
105 100
120 48.8 39.4 59.2

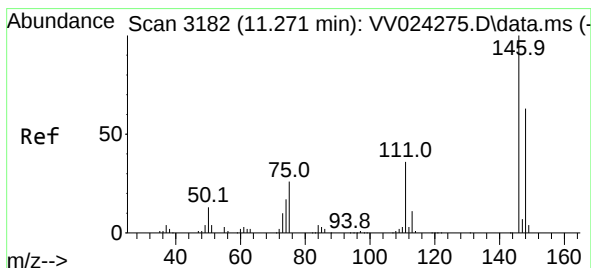
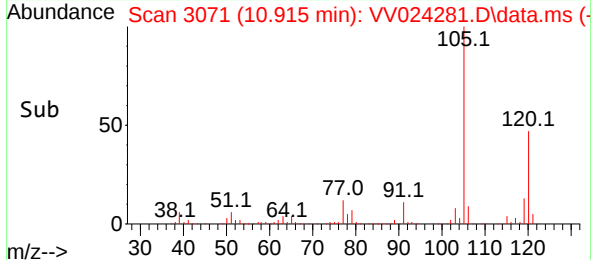
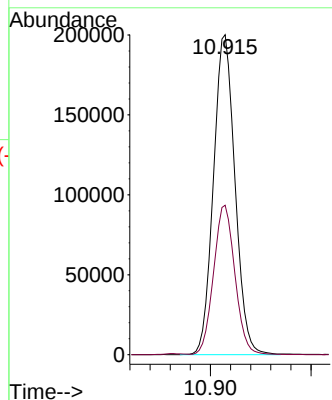
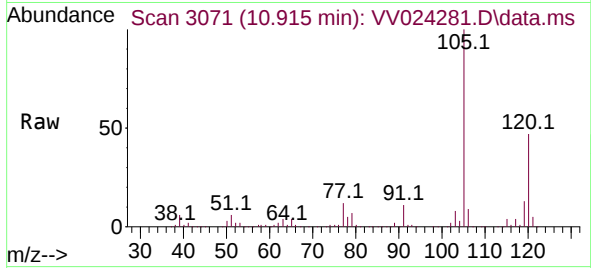




#63
1,2,4-Trimethylbenzene
Concen: 46.106 ug/L
RT: 10.915 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VV024281.D
Acq: 05 Jan 2022 16:20

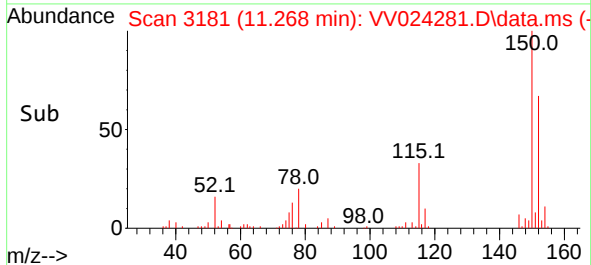
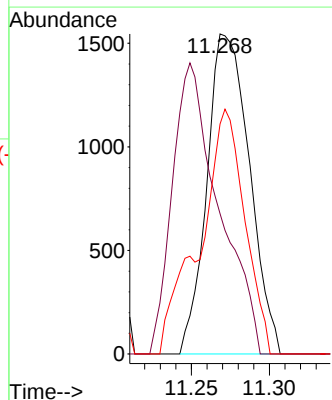
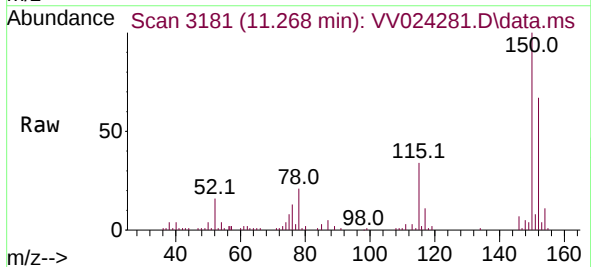
Instrument :
MSVOA_V
ClientSampleId :
BGLH2

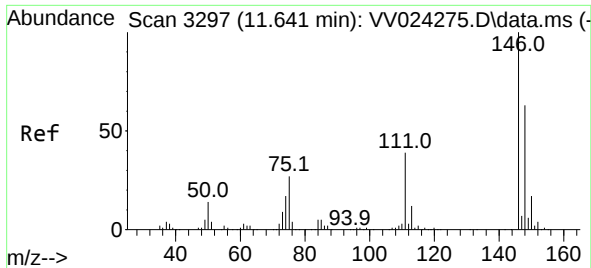
Tgt Ion:105 Resp: 297919
Ion Ratio Lower Upper
105 100
120 46.2 36.6 55.0



#65
1,4-Dichlorobenzene
Concen: 0.733 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. -0.003 min
Lab File: VV024281.D
Acq: 05 Jan 2022 16:20

Tgt Ion:146 Resp: 2931
Ion Ratio Lower Upper
146 100
111 43.9 26.5 49.3
148 71.8 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 5.648 ug/L

RT: 11.645 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV024281.D

Acq: 05 Jan 2022 16:20

Instrument :

MSVOA_V

ClientSampleId :

BGLH2

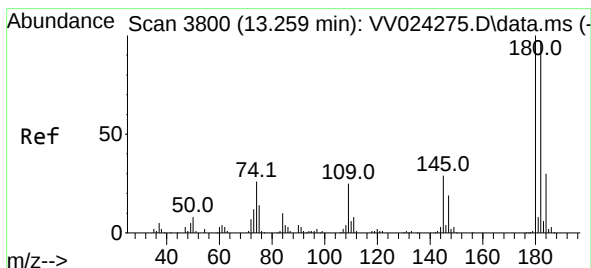
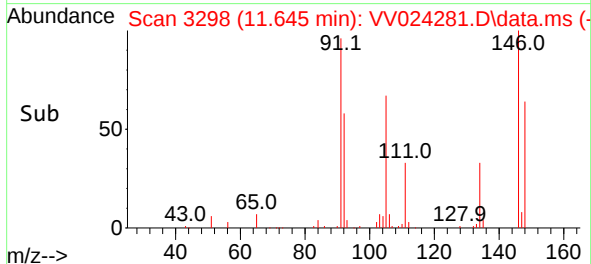
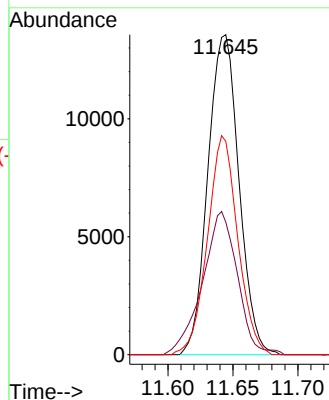
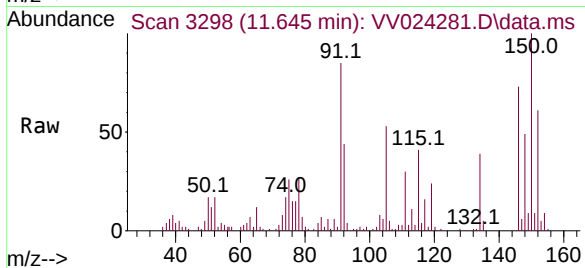
Tgt Ion:146 Resp: 22584

Ion Ratio Lower Upper

146 100

111 41.4 32.0 48.0

148 66.6 51.6 77.4



#70

1,2,4-trichlorobenzene

Concen: 7.371 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.003 min

Lab File: VV024281.D

Acq: 05 Jan 2022 16:20

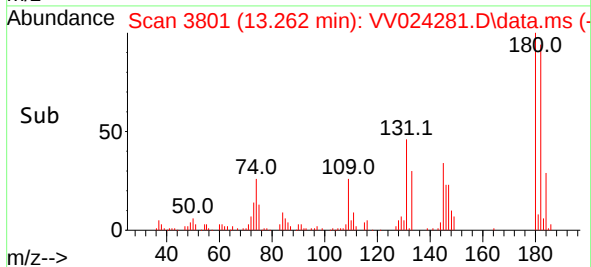
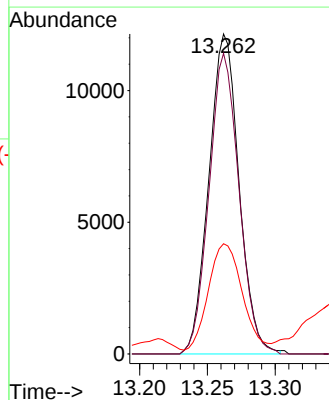
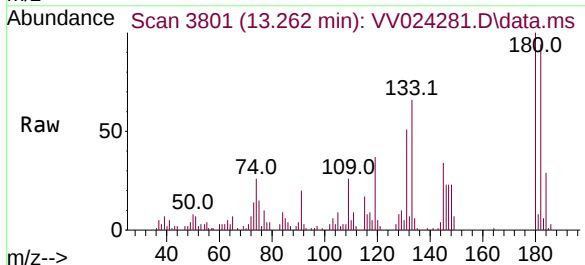
Tgt Ion:180 Resp: 18811

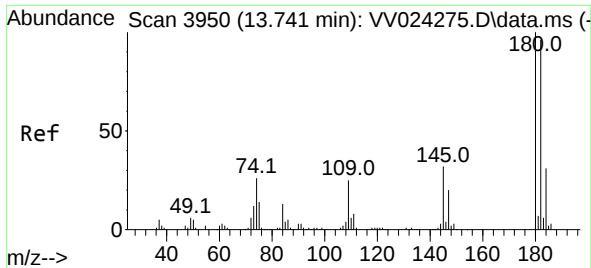
Ion Ratio Lower Upper

180 100

182 93.2 75.6 113.4

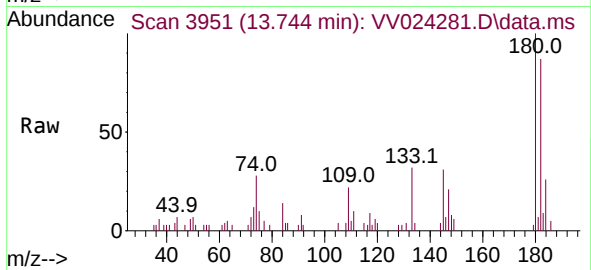
145 40.0 23.9 35.9#





#72
 1,2,3-Trichlorobenzene
 Concen: 2.332 ug/L
 RT: 13.744 min Scan# 3950
 Delta R.T. 0.003 min
 Lab File: VV024281.D
 Acq: 05 Jan 2022 16:20

Instrument :
 MSVOA_V
 ClientSampleId :
 BGLH2



Tgt Ion:180 Resp: 6150
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.1 114.1
 145 9.8 25.0 37.4#

