

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW010522\
 Data File : VW024280.D
 Acq On : 05 Jan 2022 15:57
 Operator : SY/MD
 Sample : N1025-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGLH1

Quant Time: Jan 06 01:00:46 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	228971	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	219498	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	125759	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	77594	47.087	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.180%
7) Chloroethane-d5	1.568	69	60780	48.553	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.100%
11) 1,1-Dichloroethene-d2	2.108	63	115104	37.374	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.740%
21) 2-Butanone-d5	3.883	46	91994	100.200	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.200%
24) Chloroform-d	4.349	84	146551	48.660	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.320%
26) 1,2-Dichloroethane-d4	5.031	65	102458	50.811	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.620%
32) Benzene-d6	5.050	84	281557	49.155	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.320%
36) 1,2-Dichloropropane-d6	6.069	67	80555	50.181	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.360%
41) Toluene-d8	7.317	98	271745	48.999	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.000%
43) trans-1,3-Dichloroprop...	7.619	79	44887	48.560	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.120%
47) 2-Hexanone-d5	8.085	63	70573	101.190	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.190%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	109959	47.932	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.860%
66) 1,2-Dichlorobenzene-d4	11.622	152	128451	51.243	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.480%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.314	62	3664	2.231	ug/L #	74
12) 1,1-Dichloroethene	2.114	96	1371	0.983	ug/L #	1
13) Acetone	2.179	43	35566	39.236	ug/L	99
17) trans-1,2-Dichloroethene	2.767	96	1217	0.847	ug/L	87
19) 1,1-Dichloroethane	3.191	63	9078	3.808	ug/L	98
20) cis-1,2-Dichloroethene	3.912	96	64172	41.808	ug/L	92
29) Cyclohexane	4.677	56	4719	2.405	ug/L	96
33) Benzene	5.098	78	376186	67.402	ug/L	100
35) Methylcyclohexane	6.130	83	6374	2.792	ug/L #	70
42) Toluene	7.387	91	1365324	217.925	ug/L	100
51) Chlorobenzene	8.882	112	26145	6.196	ug/L	98
52) Ethylbenzene	9.011	91	333898	49.887	ug/L	99
53) m,p-Xylene	9.136	106	145112	54.089	ug/L	99
54) o-Xylene	9.542	106	71316	27.847	ug/L	98
60) Isopropylbenzene	9.931	105	92079	13.232	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	21264	3.552	ug/L	96
63) 1,2,4-Trimethylbenzene	10.915	105	310441	51.948	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	2751	0.743	ug/L	89
67) 1,2-Dichlorobenzene	11.641	146	21436	5.797	ug/L	97

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

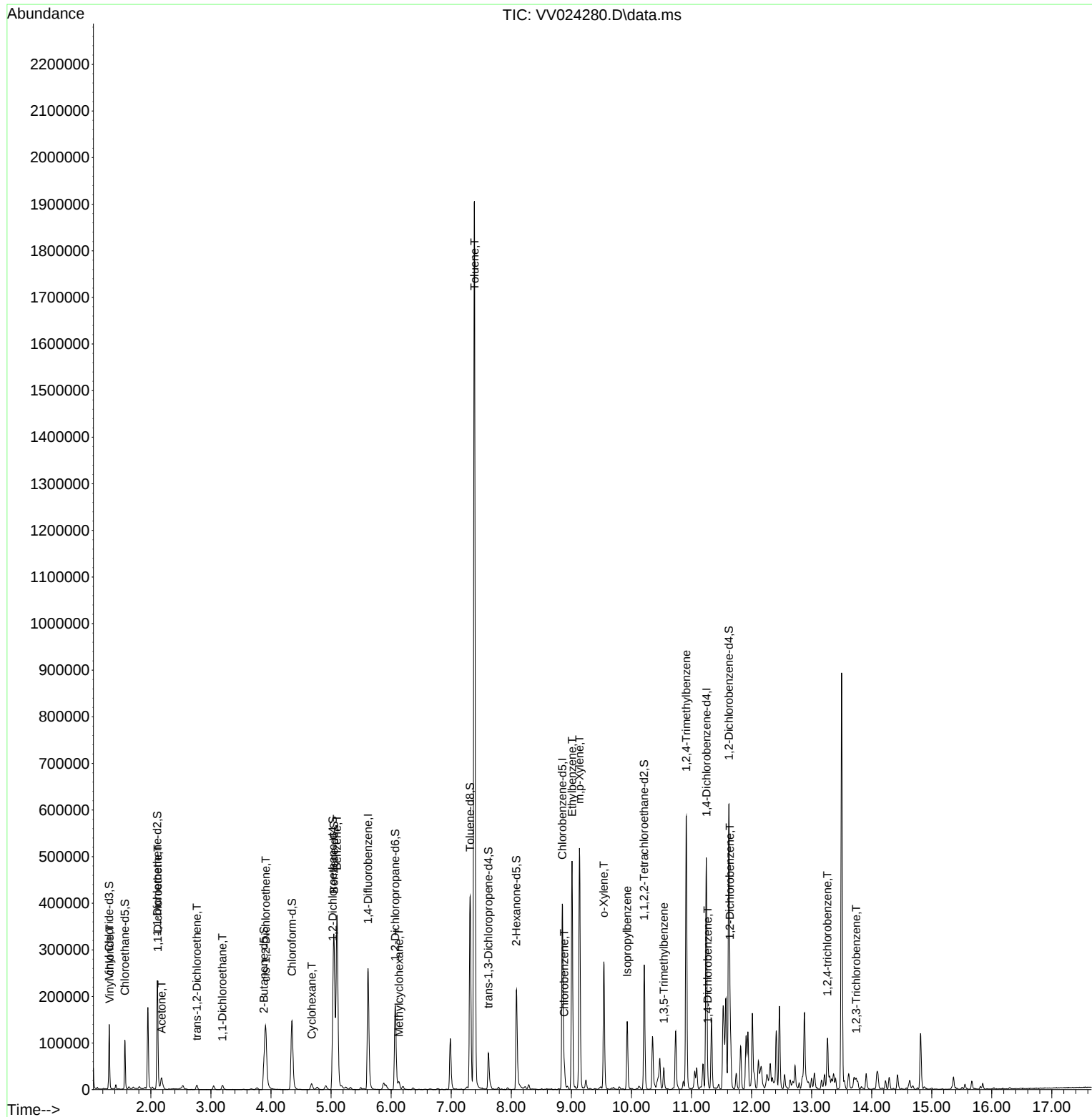
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.262	180	17439	7.388	ug/L #	94
72) 1,2,3-Trichlorobenzene	13.744	180	5779	2.369	ug/L #	87

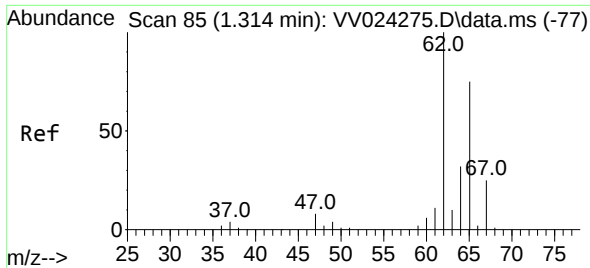
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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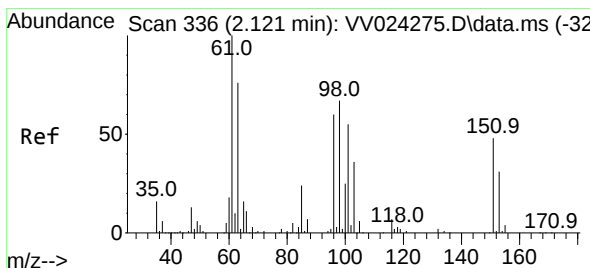
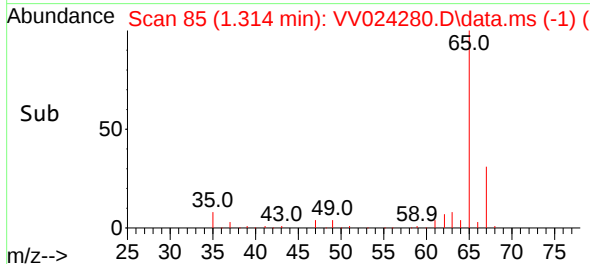
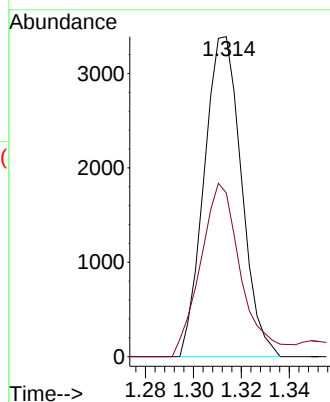
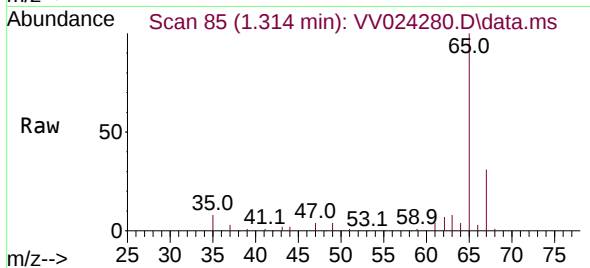




#5
 Vinyl chloride
 Concen: 2.231 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. 0.000 min
 Lab File: VV024280.D
 Acq: 05 Jan 2022 15:57

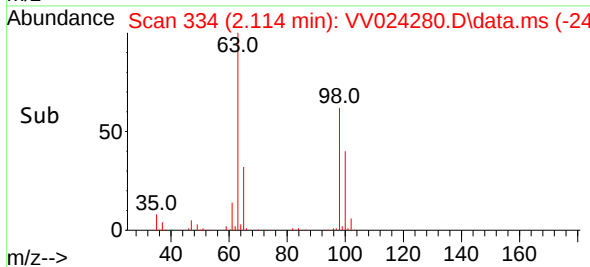
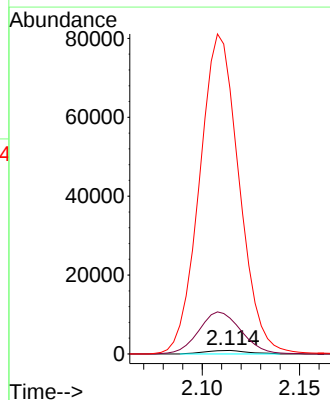
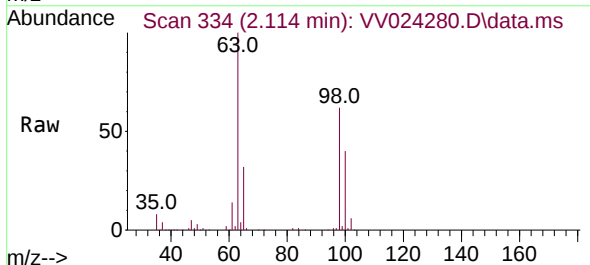
Instrument :
 MSVOA_V
 ClientSampleId :
 BGLH1

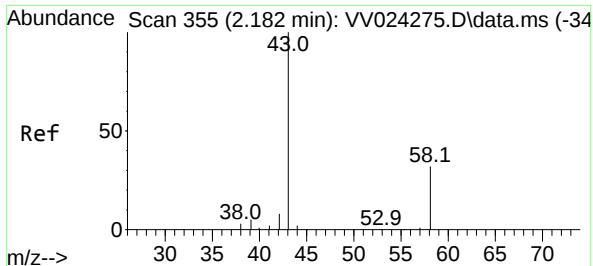
Tgt Ion: 62 Resp: 3664
 Ion Ratio Lower Upper
 62 100
 64 51.1 25.0 46.4#



#12
 1,1-Dichloroethene
 Concen: 0.983 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.006 min
 Lab File: VV024280.D
 Acq: 05 Jan 2022 15:57

Tgt Ion: 96 Resp: 1371
 Ion Ratio Lower Upper
 96 100
 61 1017.7 111.9 207.9#
 63 7519.1 82.7 153.5#





#13

Acetone

Concen: 39.236 ug/L

RT: 2.179 min Scan# 3

Delta R.T. -0.003 min

Lab File: VV024280.D

Acq: 05 Jan 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

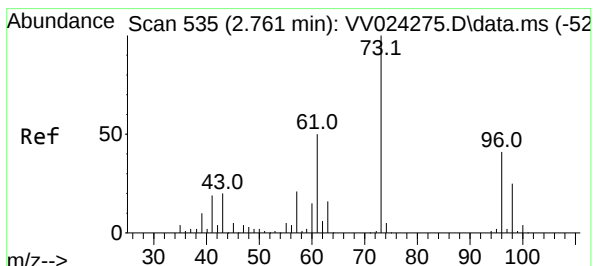
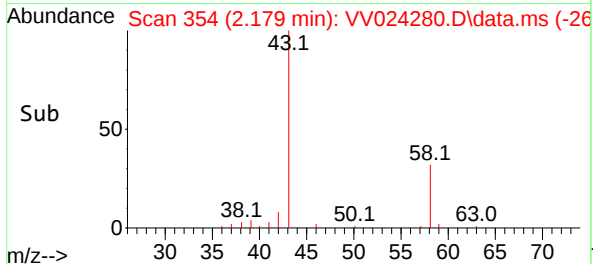
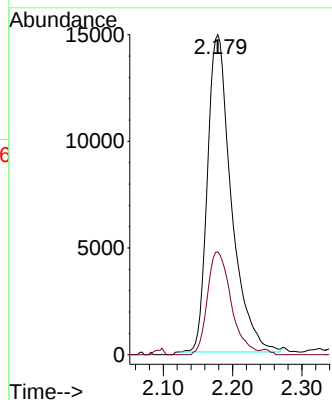
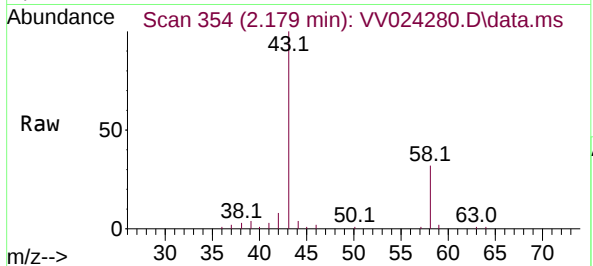
BGLH1

Tgt Ion: 43 Resp: 35566

Ion Ratio Lower Upper

43 100

58 32.1 0.0 63.0



#17

trans-1,2-Dichloroethene

Concen: 0.847 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.006 min

Lab File: VV024280.D

Acq: 05 Jan 2022 15:57

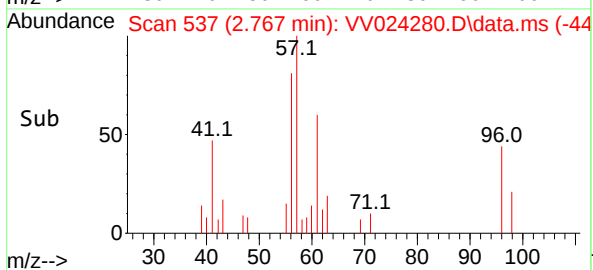
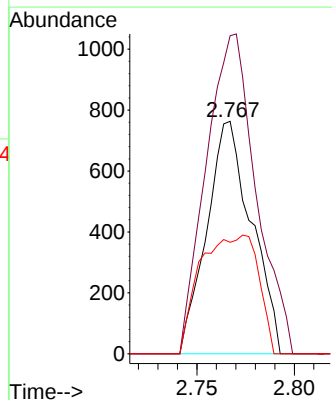
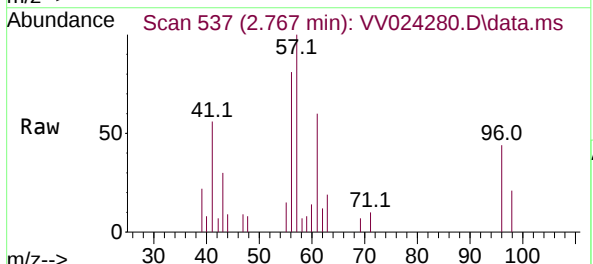
Tgt Ion: 96 Resp: 1217

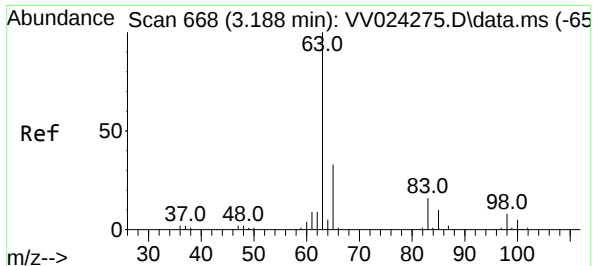
Ion Ratio Lower Upper

96 100

61 136.8 88.1 163.7

98 48.0 45.0 83.6





#19

1,1-Dichloroethane

Concen: 3.808 ug/L

RT: 3.191 min Scan# 669

Delta R.T. 0.003 min

Lab File: VV024280.D

Acq: 05 Jan 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

BGLH1

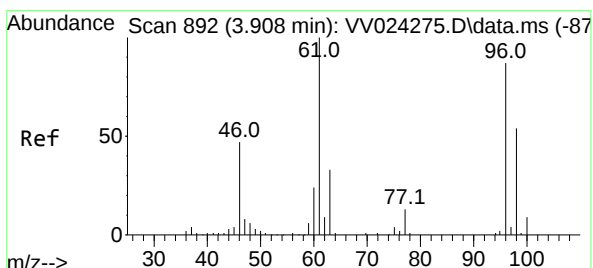
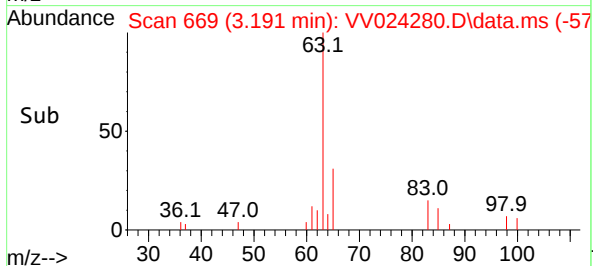
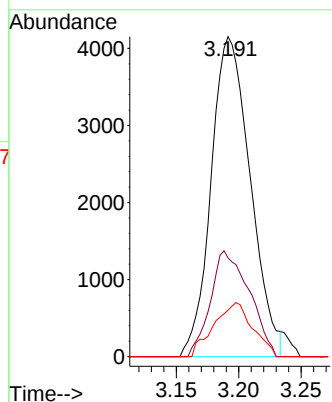
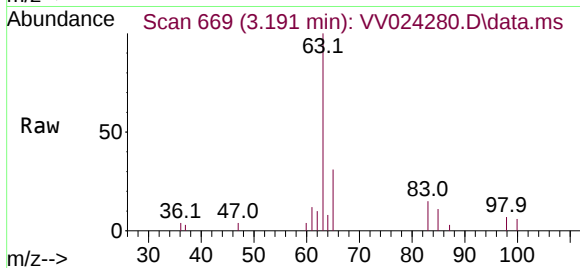
Tgt Ion: 63 Resp: 9078

Ion Ratio Lower Upper

63 100

65 30.9 22.4 41.6

83 14.5 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 41.808 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV024280.D

Acq: 05 Jan 2022 15:57

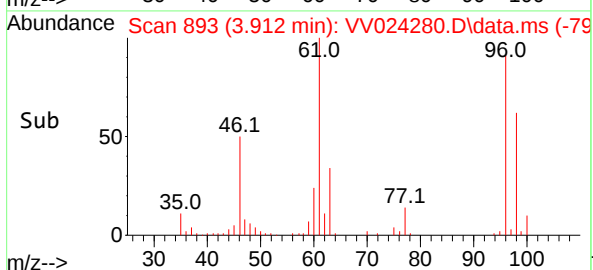
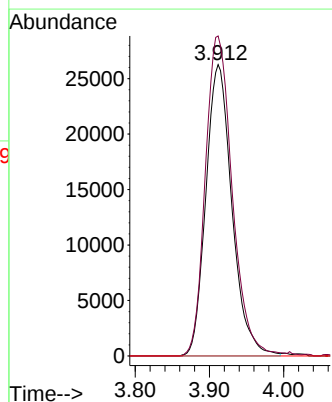
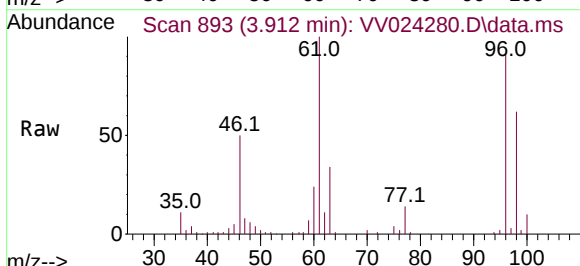
Tgt Ion: 96 Resp: 64172

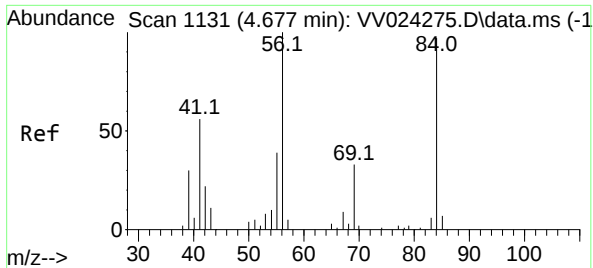
Ion Ratio Lower Upper

96 100

61 109.8 82.9 153.9

68 0.0 0.0 0.0

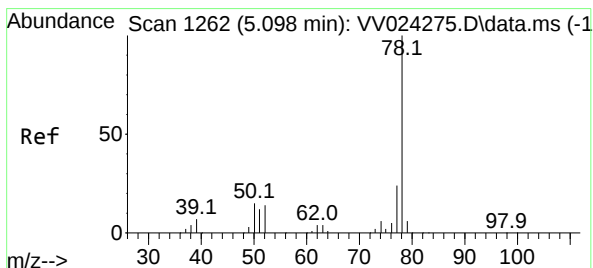
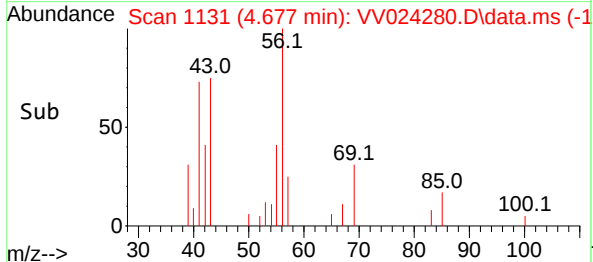
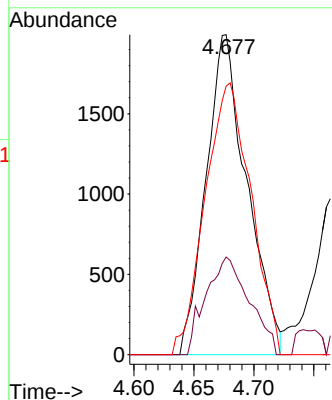
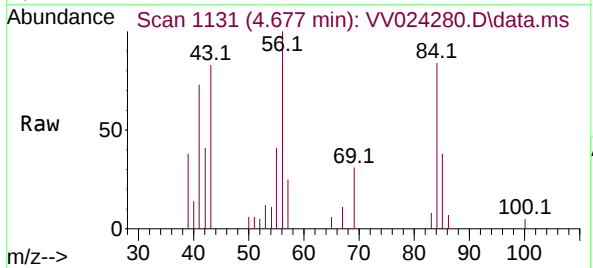




#29
Cyclohexane
Concen: 2.405 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VV024280.D
Acq: 05 Jan 2022 15:57

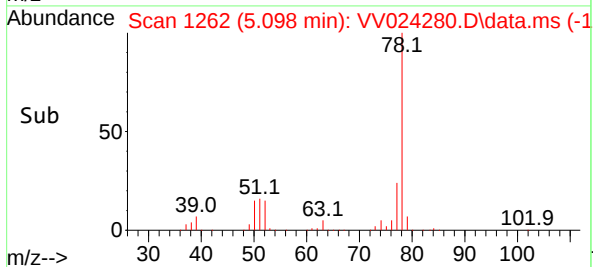
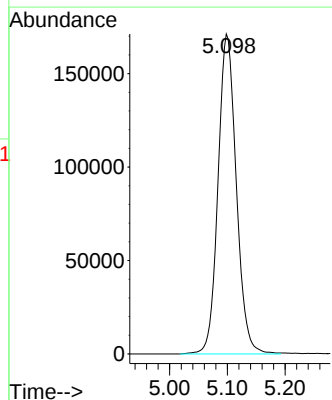
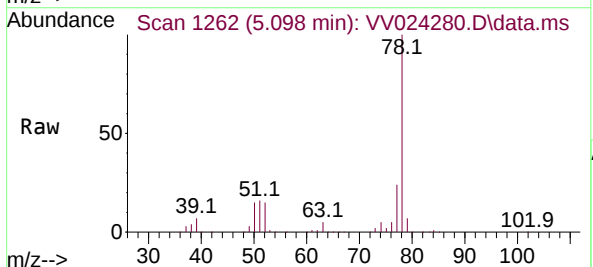
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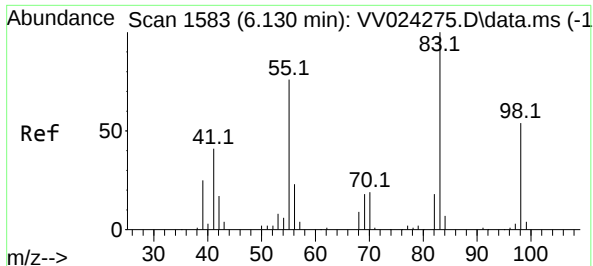
Tgt Ion: 56	Resp: 4719
Ion Ratio	Lower Upper
56	100
69	29.6 25.8 38.6
84	95.2 79.1 118.7



#33
Benzene
Concen: 67.402 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VV024280.D
Acq: 05 Jan 2022 15:57

Tgt Ion: 78 Resp: 376186

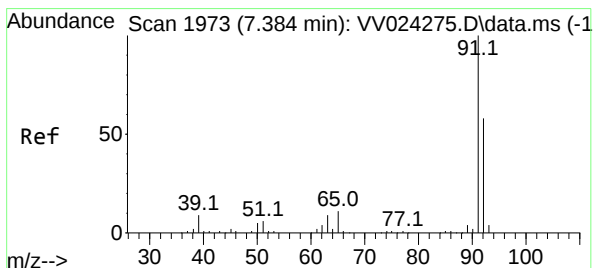
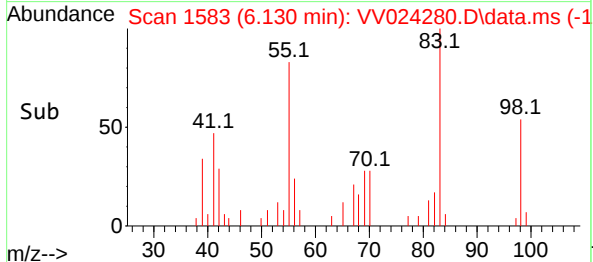
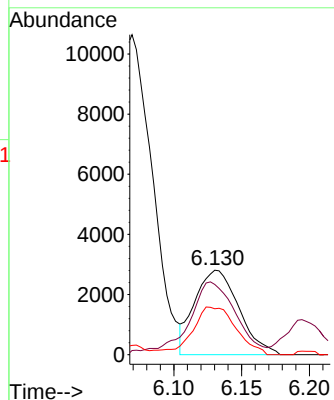
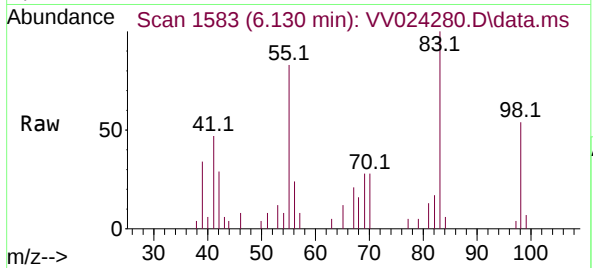




#35
Methylcyclohexane
Concen: 2.792 ug/L
RT: 6.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV024280.D
Acq: 05 Jan 2022 15:57

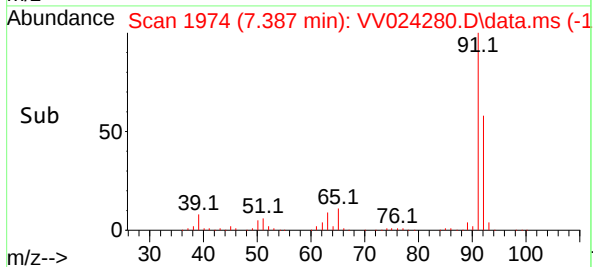
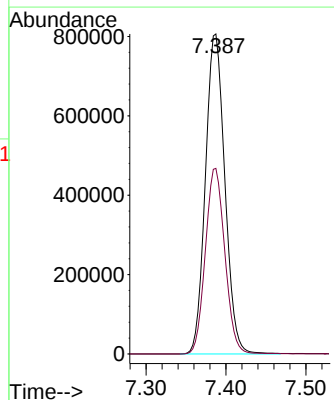
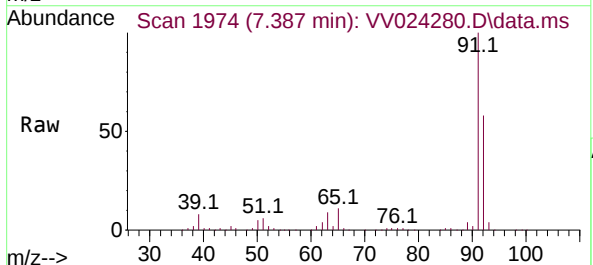
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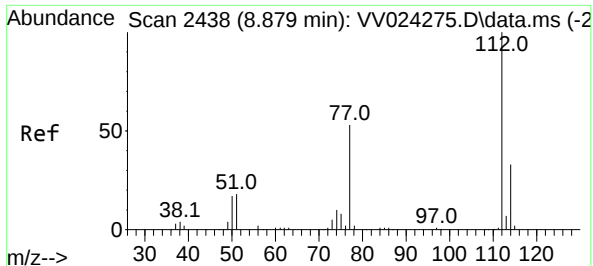
Tgt Ion: 83 Resp: 6374
Ion Ratio Lower Upper
83 100
55 88.2 55.6 83.4#
98 23.3 41.3 61.9#



#42
Toluene
Concen: 217.925 ug/L
RT: 7.387 min Scan# 1974
Delta R.T. 0.003 min
Lab File: VV024280.D
Acq: 05 Jan 2022 15:57

Tgt Ion: 91 Resp: 1365324
Ion Ratio Lower Upper
91 100
92 58.0 40.4 75.0





#51

Chlorobenzene

Concen: 6.196 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VV024280.D

Acq: 05 Jan 2022 15:57

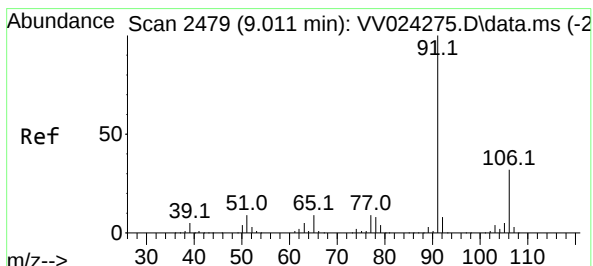
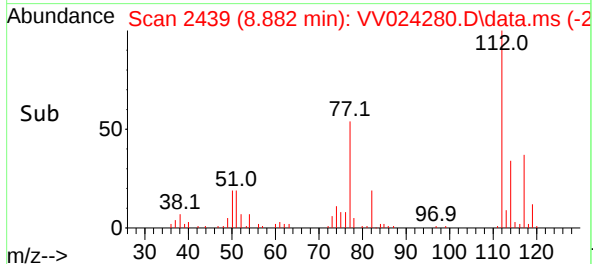
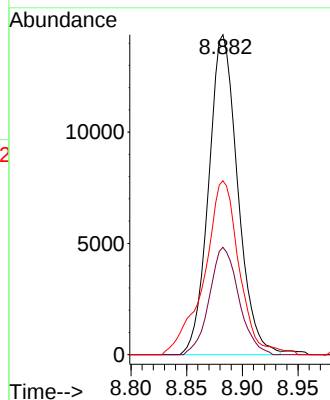
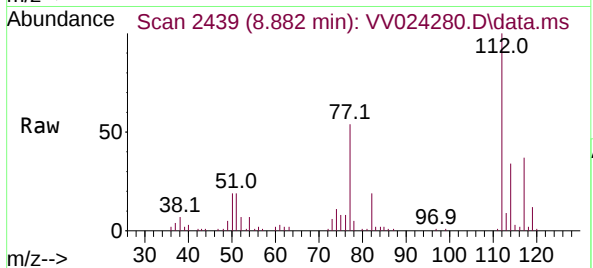
Instrument :

MSVOA_V

ClientSampleId :

BGLH1

Tgt Ion:112	Resp:	26145
Ion Ratio	Lower	Upper
112	100	
114	33.6	22.3 41.5
77	54.4	42.8 64.2



#52

Ethylbenzene

Concen: 49.887 ug/L

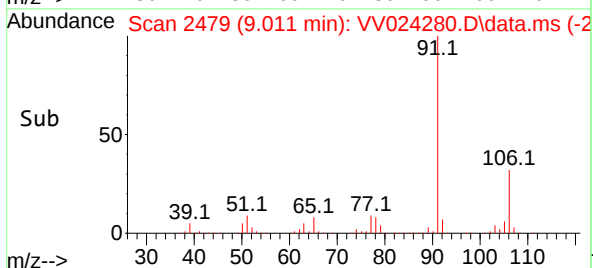
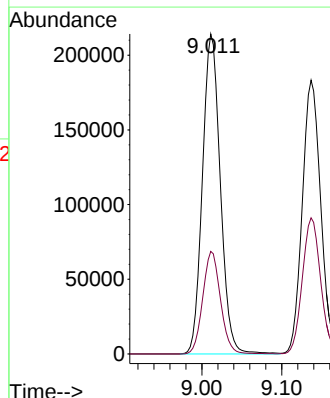
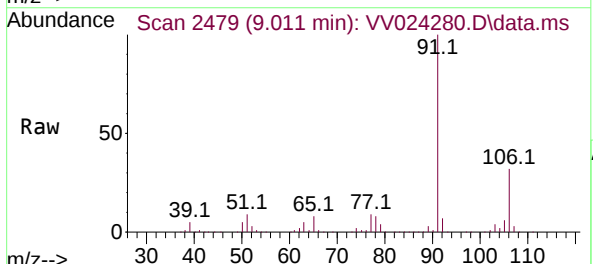
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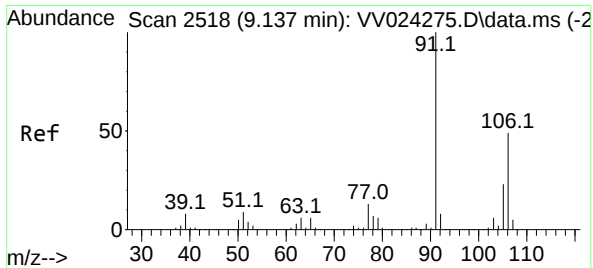
Delta R.T. -0.000 min

Lab File: VV024280.D

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Tgt Ion: 91	Resp:	333898
Ion Ratio	Lower	Upper
91	100	
106	32.1	22.0 41.0

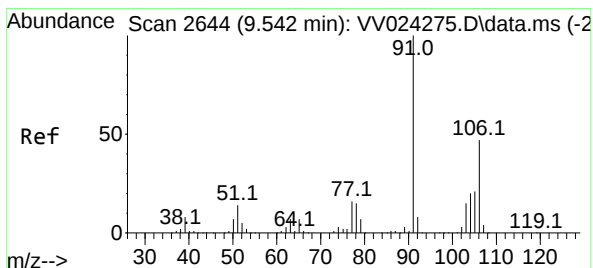
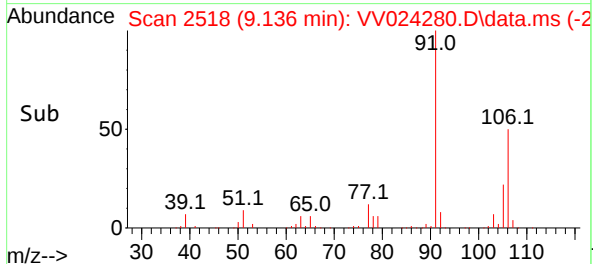
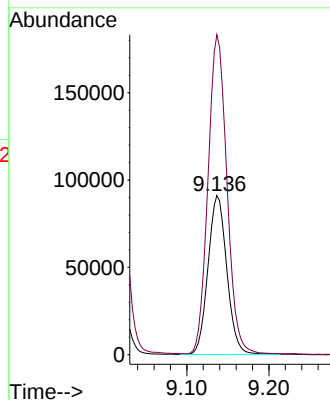
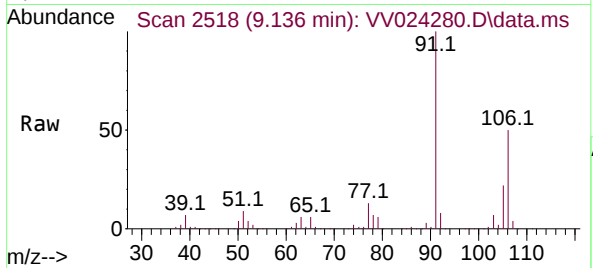




#53
m,p-Xylene
Concen: 54.089 ug/L
RT: 9.136 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV024280.D
Acq: 05 Jan 2022 15:57

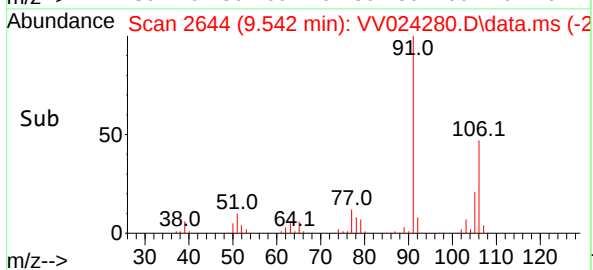
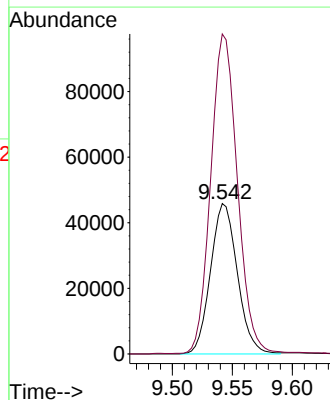
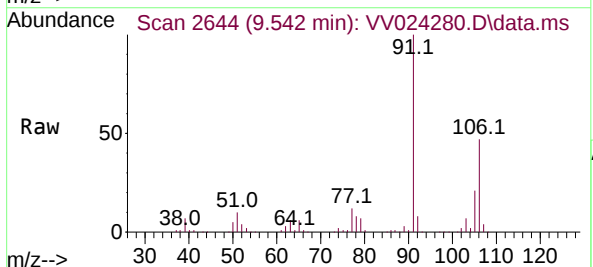
Instrument :
MSVOA_V
ClientSampleId :
BGLH1

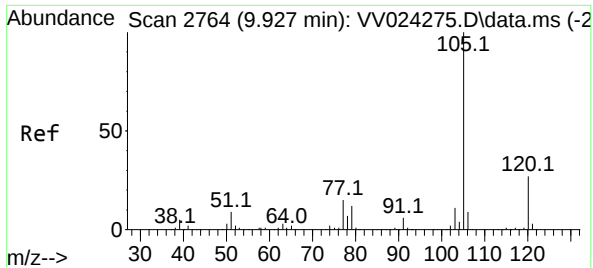
Tgt Ion:106 Resp: 145112
Ion Ratio Lower Upper
106 100
91 201.0 141.8 263.4



#54
o-Xylene
Concen: 27.847 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV024280.D
Acq: 05 Jan 2022 15:57

Tgt Ion:106 Resp: 71316
Ion Ratio Lower Upper
106 100
91 212.6 150.9 280.3

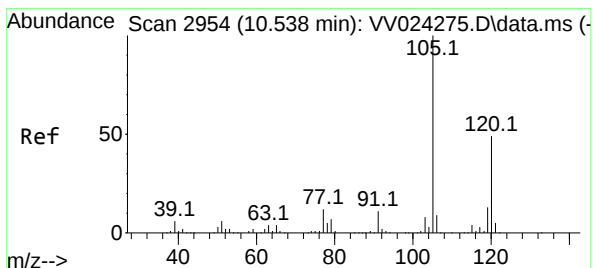
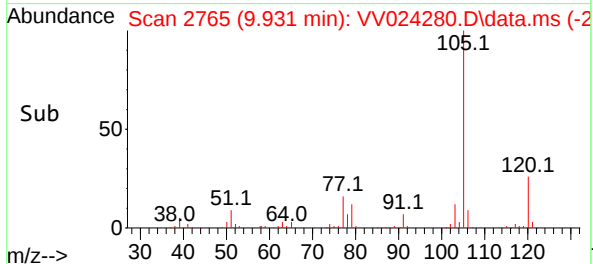
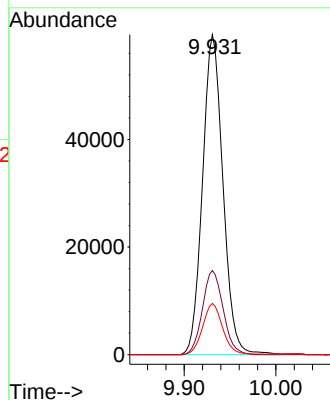
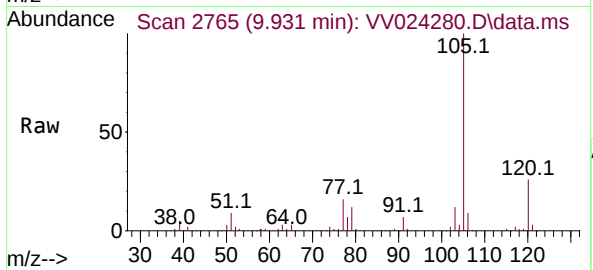




#60
Isopropylbenzene
Concen: 13.232 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV024280.D
Acq: 05 Jan 2022 15:57

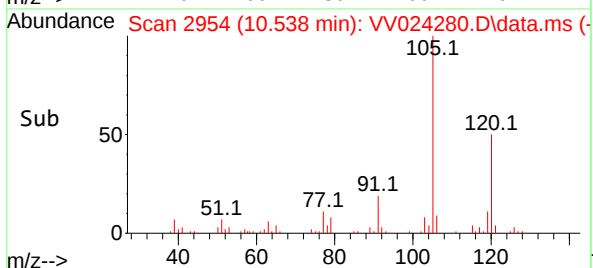
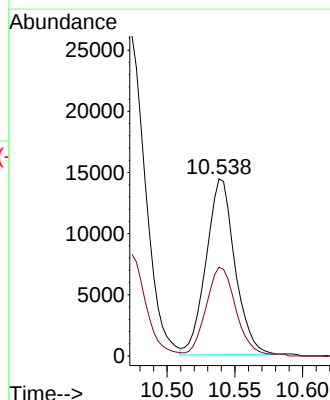
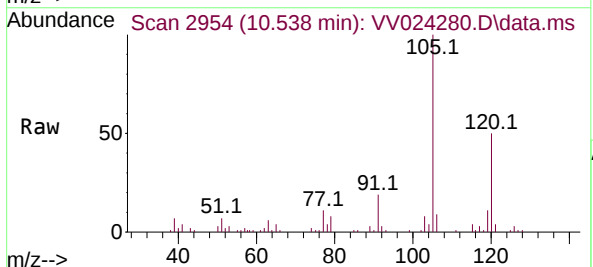
Instrument :
MSVOA_V
ClientSampleId :
BGLH1

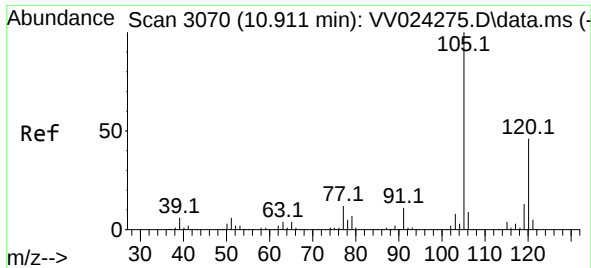
Tgt Ion:105 Resp: 92079
Ion Ratio Lower Upper
105 100
120 26.6 21.9 32.9
77 15.7 11.9 17.9



#62
1,3,5-Trimethylbenzene
Concen: 3.552 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VV024280.D
Acq: 05 Jan 2022 15:57

Tgt Ion:105 Resp: 21264
Ion Ratio Lower Upper
105 100
120 52.3 39.4 59.2

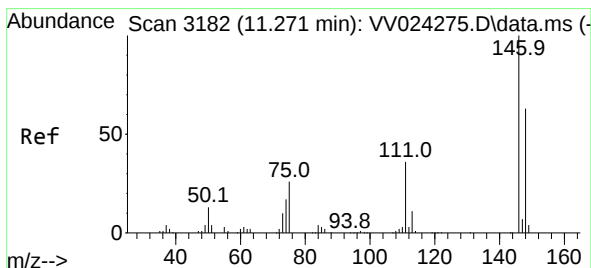
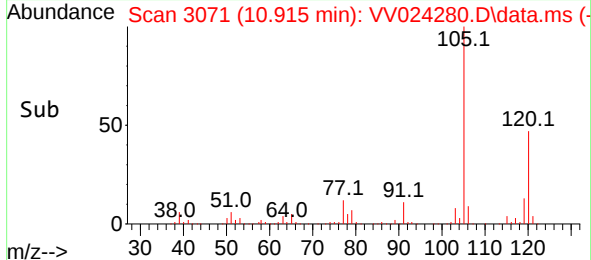
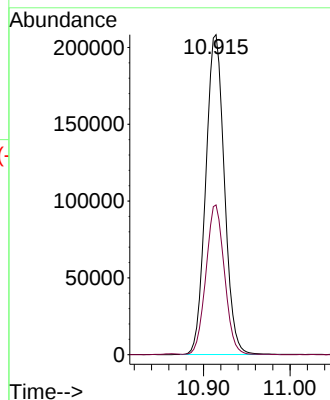
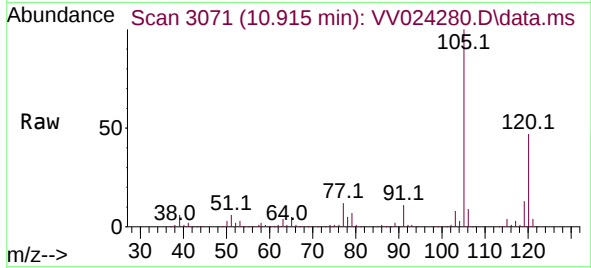




#63
1,2,4-Trimethylbenzene
Concen: 51.948 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV024280.D
Acq: 05 Jan 2022 15:57

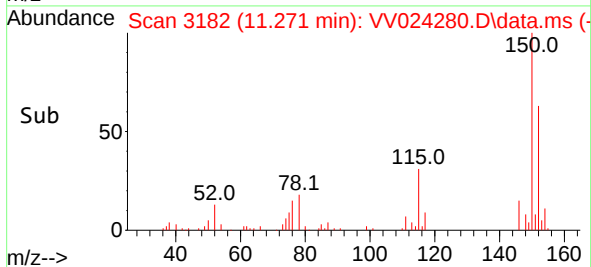
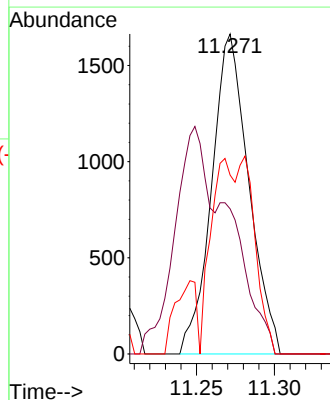
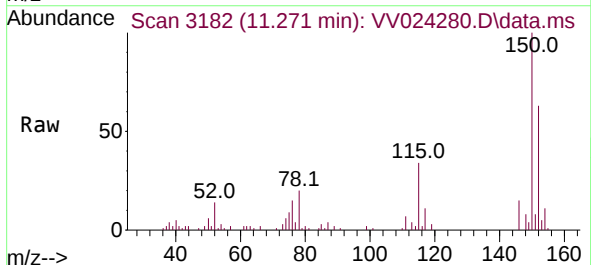
Instrument :
MSVOA_V
ClientSampleId :
BGLH1

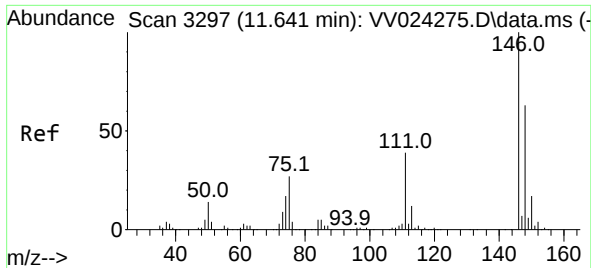
Tgt Ion:105 Resp: 310441
Ion Ratio Lower Upper
105 100
120 46.7 36.6 55.0



#65
1,4-Dichlorobenzene
Concen: 0.743 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV024280.D
Acq: 05 Jan 2022 15:57

Tgt Ion:146 Resp: 2751
Ion Ratio Lower Upper
146 100
111 45.4 26.5 49.3
148 55.9 44.9 83.5

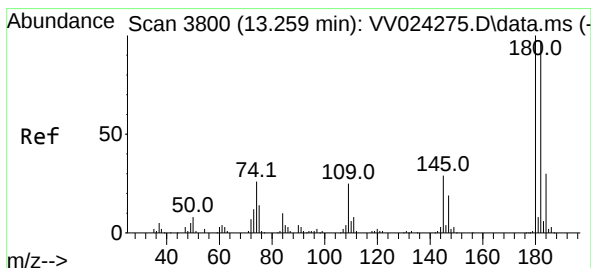
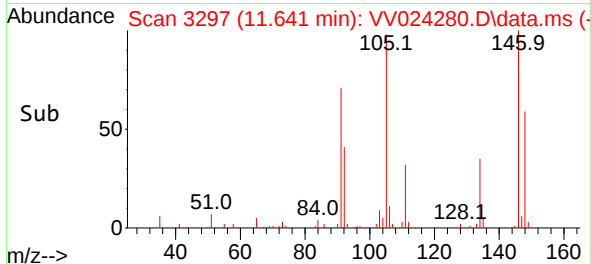
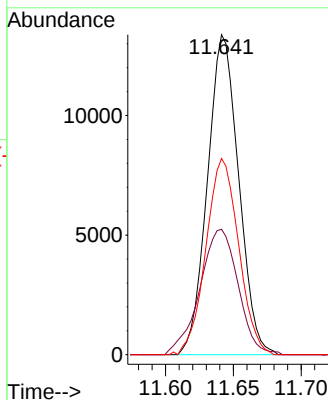
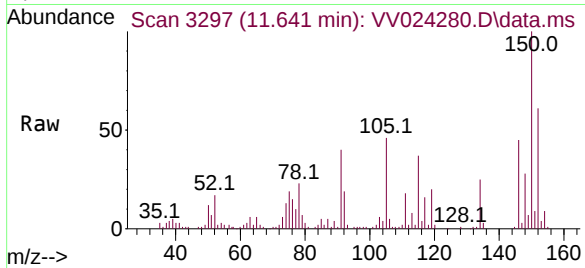




#67
1,2-Dichlorobenzene
Concen: 5.797 ug/L
RT: 11.641 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV024280.D
Acq: 05 Jan 2022 15:57

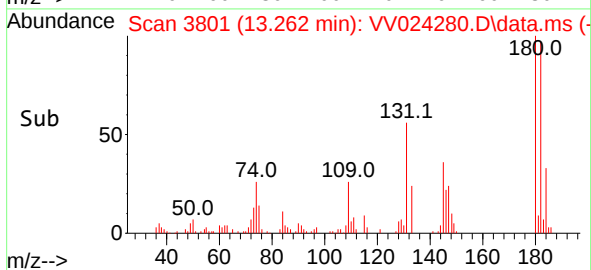
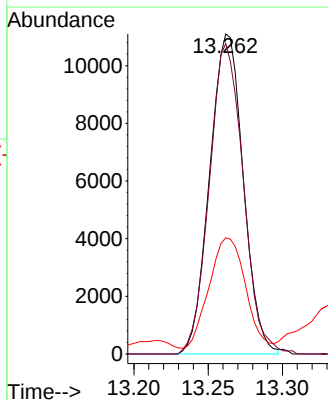
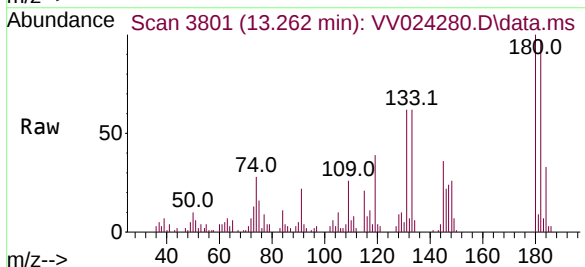
Instrument :
MSVOA_V
ClientSampleId :
BGLH1

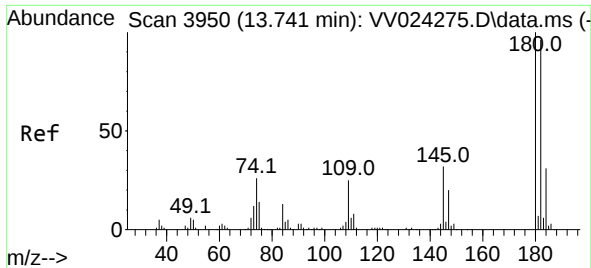
Tgt Ion:146 Resp: 21436
Ion Ratio Lower Upper
146 100
111 39.2 32.0 48.0
148 61.3 51.6 77.4



#70
1,2,4-trichlorobenzene
Concen: 7.388 ug/L
RT: 13.262 min Scan# 3801
Delta R.T. 0.003 min
Lab File: VV024280.D
Acq: 05 Jan 2022 15:57

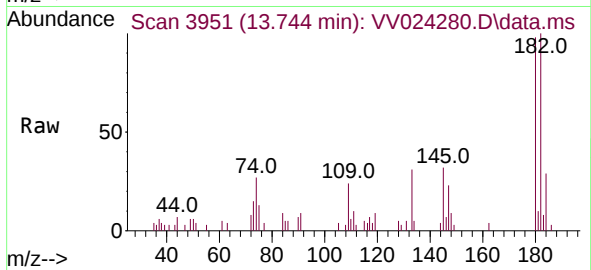
Tgt Ion:180 Resp: 17439
Ion Ratio Lower Upper
180 100
182 97.7 75.6 113.4
145 37.2 23.9 35.9#





#72
 1,2,3-Trichlorobenzene
 Concen: 2.369 ug/L
 RT: 13.744 min Scan# 3950
 Delta R.T. 0.003 min
 Lab File: VV024280.D
 Acq: 05 Jan 2022 15:57

Instrument :
 MSVOA_V
 ClientSampleId :
 BGLH1



Tgt Ion:180 Resp: 5779
 Ion Ratio Lower Upper
 180 100
 182 101.5 76.1 114.1
 145 13.2 25.0 37.4#

