

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021522\
 Data File : VW024675.D
 Acq On : 15 Feb 2022 17:41
 Operator : SY/MD
 Sample : N1480-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 16 03:39:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 16 03:37:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	118759	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	123901	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	64308	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.310	65	40687	4.087	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.800%
7) Chloroethane-d5	1.571	69	41876	4.976	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.600%
11) 1,1-Dichloroethene-d2	2.111	63	66516	3.055	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.000%
20) 2-Butanone-d5	3.896	46	87581	52.997	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.000%
24) Chloroform-d	4.352	84	87360	4.986	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.034	65	42395	5.333	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.600%
32) Benzene-d6	5.053	84	176838	5.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	6.069	67	54237	4.960	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.317	98	159344	4.860	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
43) trans-1,3-Dichloroprop...	7.625	79	18680	4.230	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.600%
46) 2-Hexanone-d5	8.088	63	78263	50.309	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.620%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	33818	5.195	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	56001	5.402	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.000%
Target Compounds						
					Qvalue	
22) cis-1,2-Dichloroethene	3.931	96	308	0.025	ug/L	86
27) 1,2-Dichloroethane	5.105	62	1252	0.105	ug/L #	73
30) Cyclohexane	4.674	56	2928	0.140	ug/L	90
33) Benzene	5.101	78	144467	2.988	ug/L	100
35) Methylcyclohexane	6.130	83	32726	1.486	ug/L #	80
39) cis-1,3-Dichloropropene	6.985	75	1449	0.081	ug/L #	81
42) Toluene	7.397	91	13234	0.251	ug/L	97
51) Chlorobenzene	8.883	112	5774865	178.881	ug/L	94
52) Ethylbenzene	9.018	91	5773	0.098	ug/L	98
53) m,p-xylene	9.146	106	4663	0.210	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.243	83	922	0.120	ug/L #	26
60) Isopropylbenzene	9.931	105	74001	1.269	ug/L #	86
61) 1,2,3-Trichloropropane	11.181	75	16897	2.665	ug/L #	46
62) 1,3,5-Trimethylbenzene	11.085	105	36452	0.730	ug/L #	30
63) 1,2,4-Trimethylbenzene	11.085	105	36452	0.734	ug/L #	34
64) 1,3-Dichlorobenzene	11.181	146	51683	2.177	ug/L	96
65) 1,4-Dichlorobenzene	11.272	146	265522	11.260	ug/L	97
70) 1,2,4-trichlorobenzene	13.268	180	741	0.054	ug/L #	20

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Feb 16 03:37:12 2022
Response via : Initial Calibration

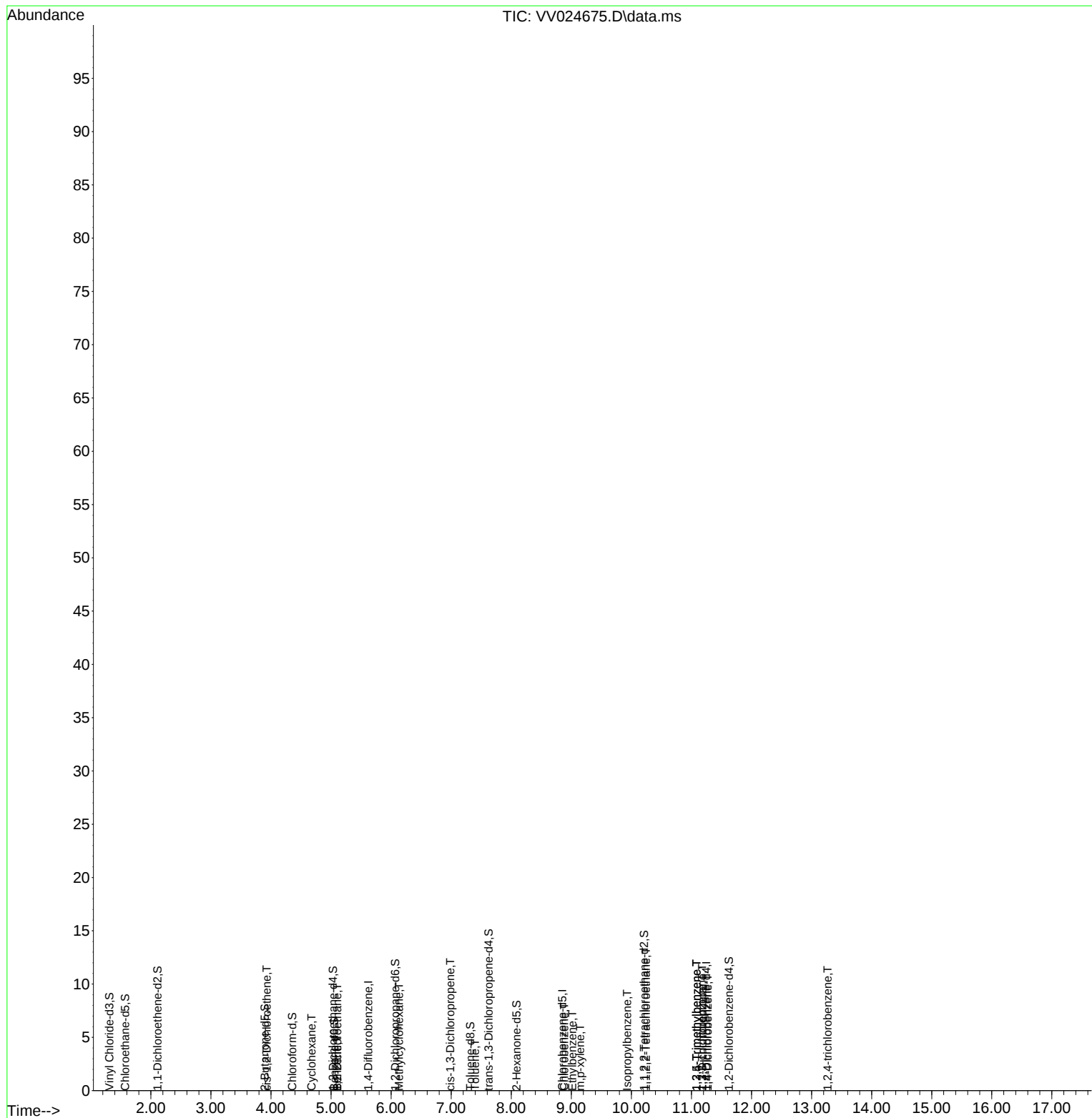
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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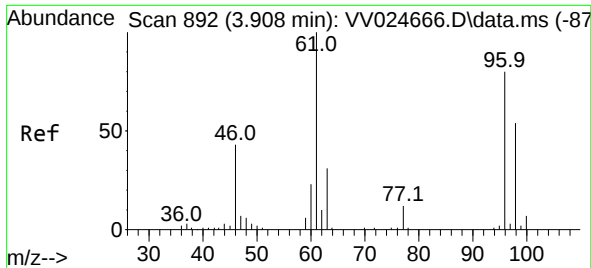
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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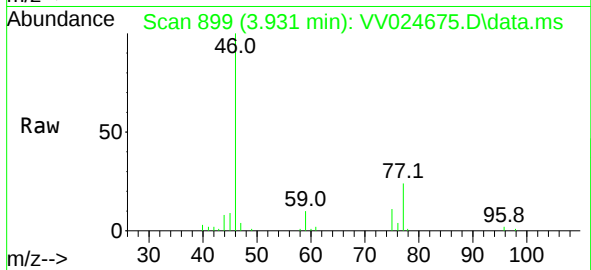
Quant Time: Feb 16 03:39:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
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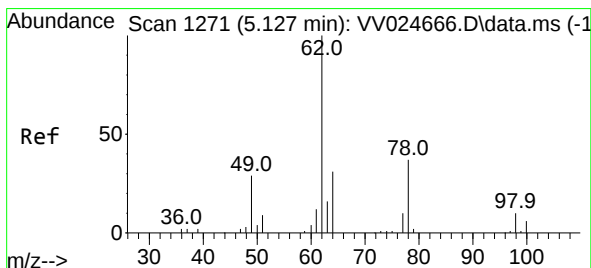
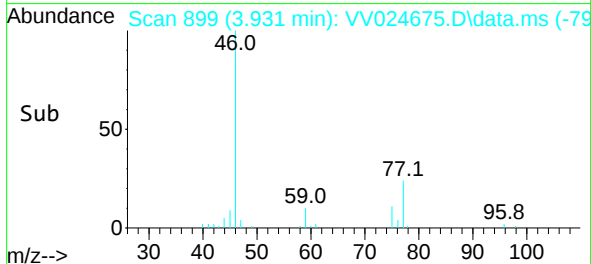
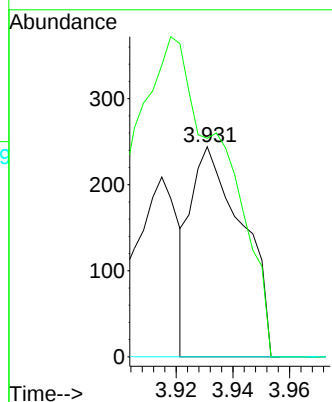


#22
 cis-1,2-Dichloroethene
 Concen: 0.025 ug/L
 RT: 3.931 min Scan# 89
 Delta R.T. 0.023 min
 Lab File: VV024675.D
 Acq: 15 Feb 2022 17:41

Instrument :
 MSVOA_V
 ClientSampleId :

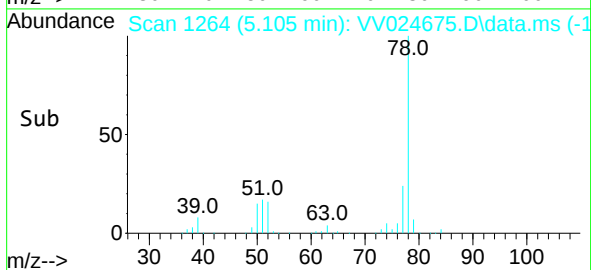
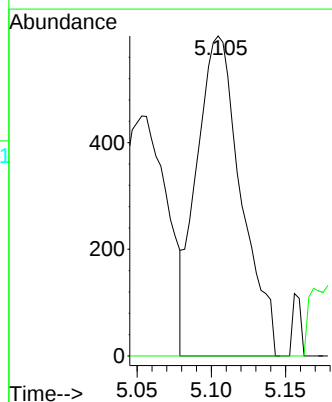
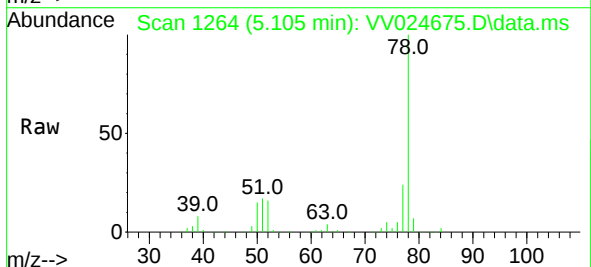


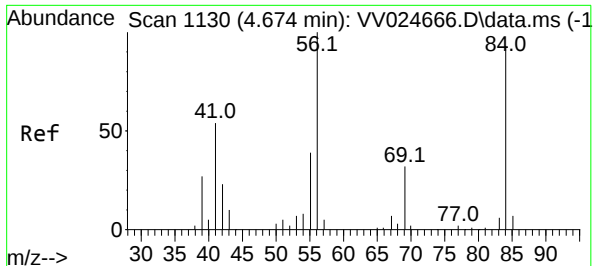
Tgt Ion: 96 Resp: 308
 Ion Ratio Lower Upper
 96 100
 61 104.1 83.4 154.8
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.105 ug/L
 RT: 5.105 min Scan# 1264
 Delta R.T. -0.022 min
 Lab File: VV024675.D
 Acq: 15 Feb 2022 17:41

Tgt Ion: 62 Resp: 1252
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.1 12.1#

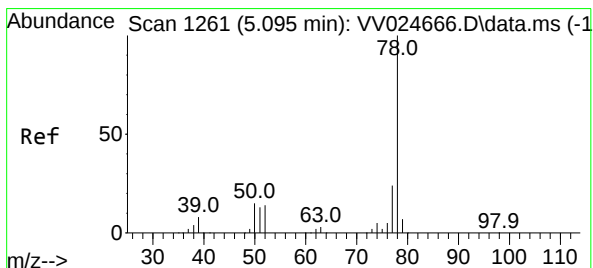
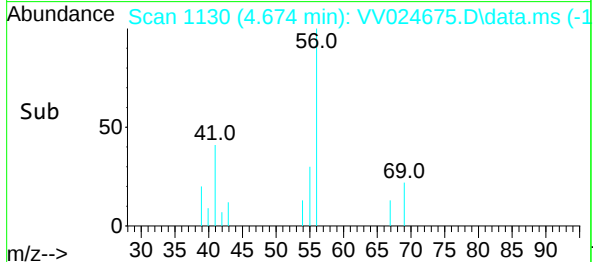
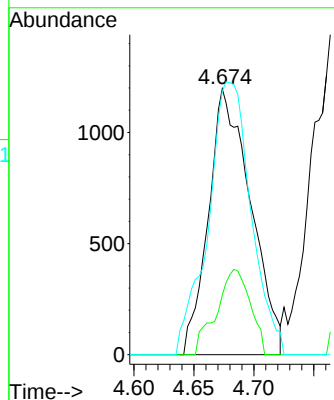
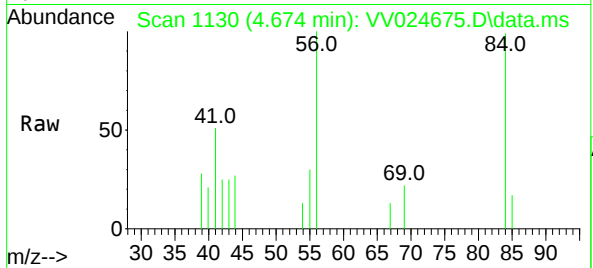




#30
Cyclohexane
Concen: 0.140 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VV024675.D
Acq: 15 Feb 2022 17:41

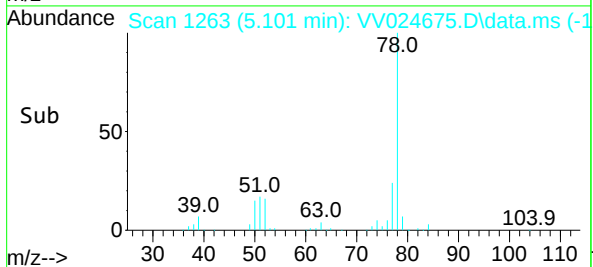
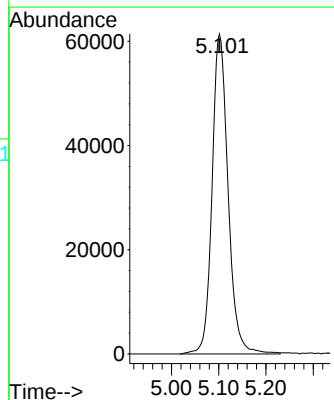
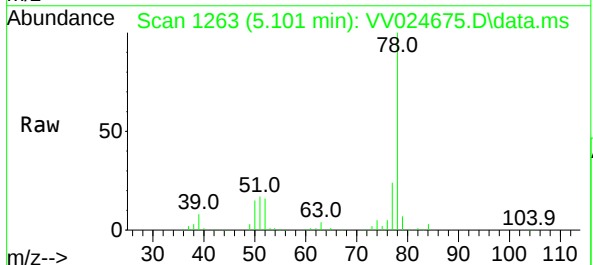
Instrument :
MSVOA_V
ClientSampleId :

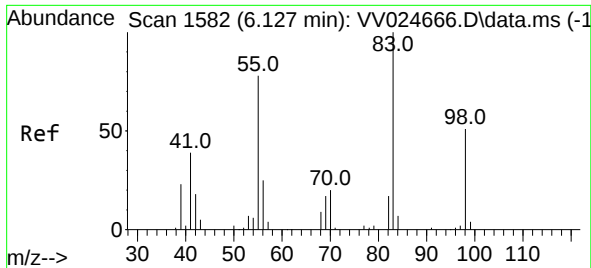
Tgt Ion:	56	Resp:	2928
Ion	Ratio	Lower	Upper
56	100		
69	25.7	24.8	37.2
84	104.2	75.9	113.9



#33
Benzene
Concen: 2.988 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.007 min
Lab File: VV024675.D
Acq: 15 Feb 2022 17:41

Tgt Ion: 78 Resp: 144467

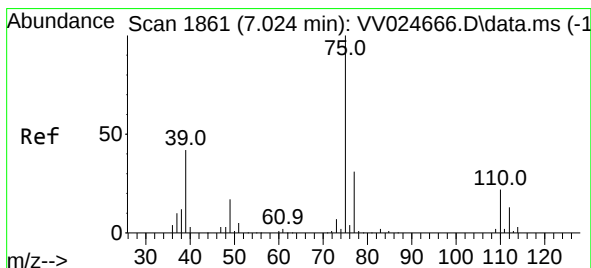
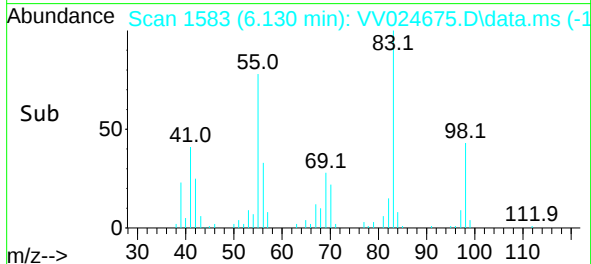
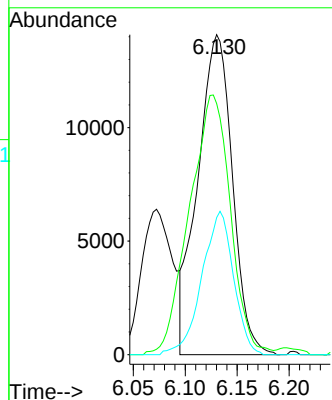
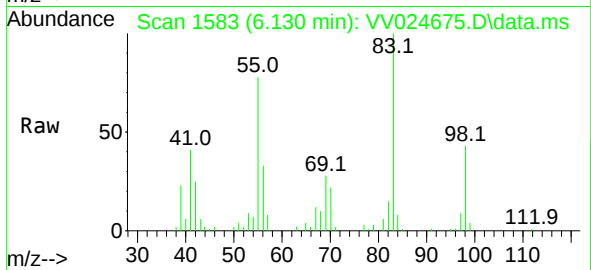




#35
Methylcyclohexane
Concen: 1.486 ug/L
RT: 6.130 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV024675.D
Acq: 15 Feb 2022 17:41

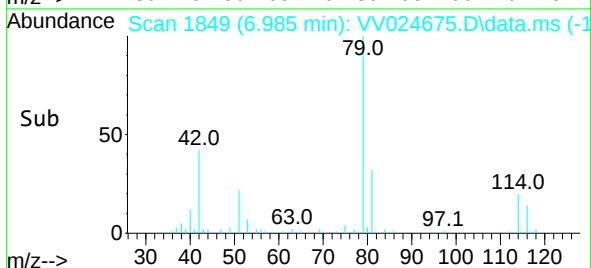
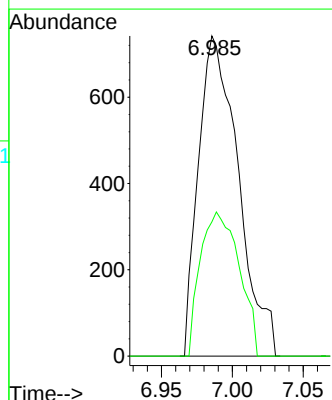
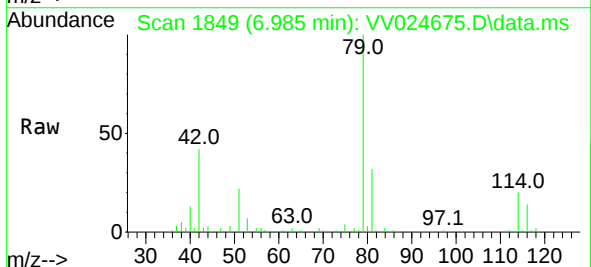
Instrument :
MSVOA_V
ClientSampleId :

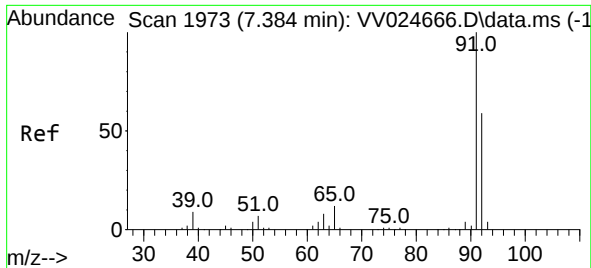
Tgt Ion: 83 Resp: 32726
Ion Ratio Lower Upper
83 100
55 95.9 60.2 90.2#
98 40.9 41.0 61.4#



#39
cis-1,3-Dichloropropene
Concen: 0.081 ug/L
RT: 6.985 min Scan# 1849
Delta R.T. -0.038 min
Lab File: VV024675.D
Acq: 15 Feb 2022 17:41

Tgt Ion: 75 Resp: 1449
Ion Ratio Lower Upper
75 100
77 41.9 22.0 41.0#





#42

Toluene

Concen: 0.251 ug/L

RT: 7.397 min Scan# 1973

Delta R.T. 0.013 min

Lab File: VV024675.D

Acq: 15 Feb 2022 17:41

Instrument :

MSVOA_V

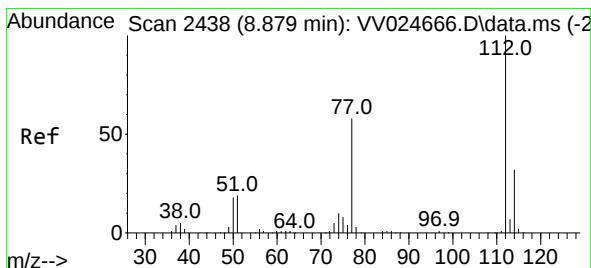
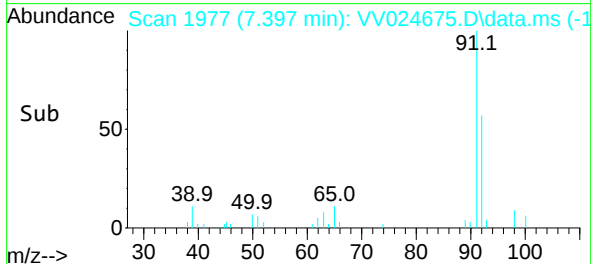
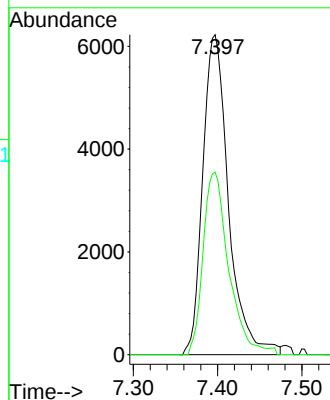
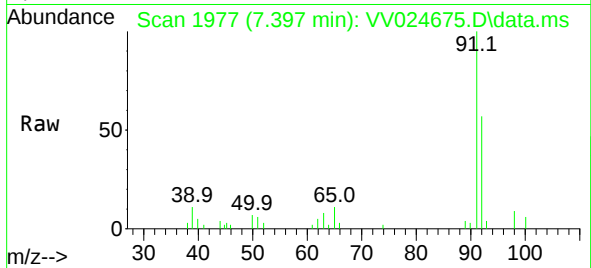
ClientSampleId :

Tgt Ion: 91 Resp: 13234

Ion Ratio Lower Upper

91 100

92 57.0 41.5 77.1



#51

Chlorobenzene

Concen: 178.881 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VV024675.D

Acq: 15 Feb 2022 17:41

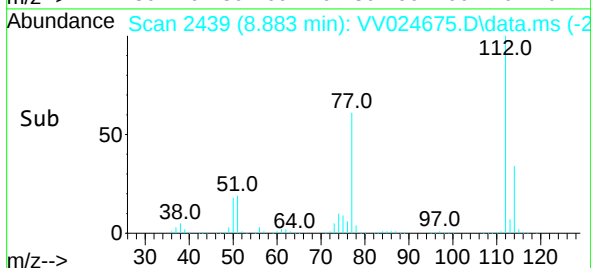
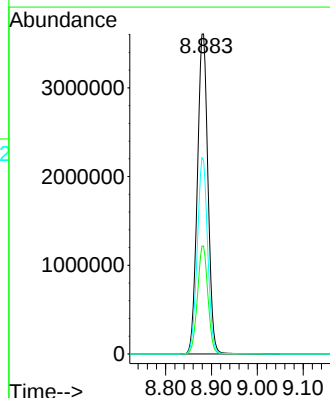
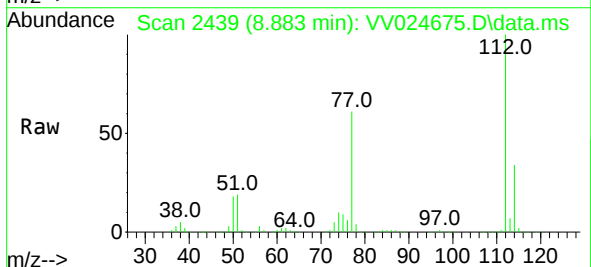
Tgt Ion: 112 Resp: 5774865

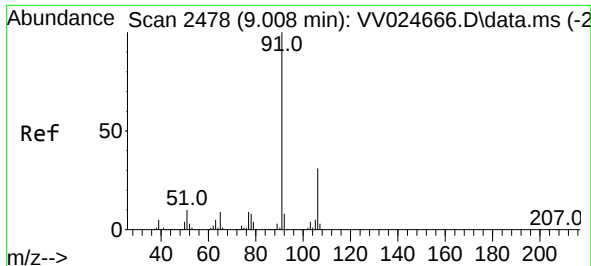
Ion Ratio Lower Upper

112 100

114 33.7 23.3 43.3

77 60.5 43.3 64.9





#52

Ethylbenzene

Concen: 0.098 ug/L

RT: 9.018 min Scan# 2478

Delta R.T. 0.010 min

Lab File: VV024675.D

Acq: 15 Feb 2022 17:41

Instrument :

MSVOA_V

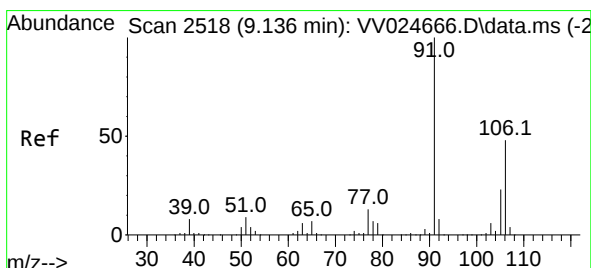
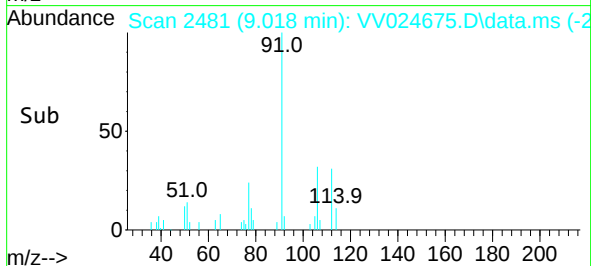
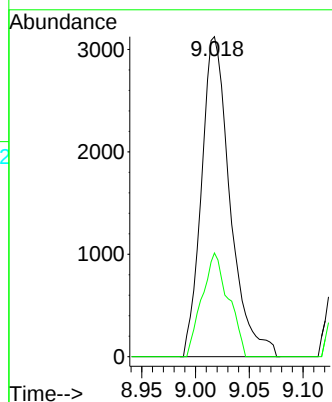
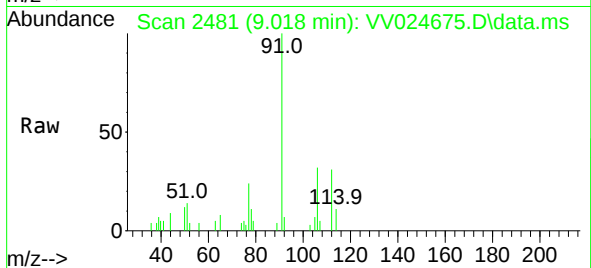
ClientSampleId :

Tgt Ion: 91 Resp: 5773

Ion Ratio Lower Upper

91 100

106 32.4 22.0 41.0



#53

m,p-xylene

Concen: 0.210 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.010 min

Lab File: VV024675.D

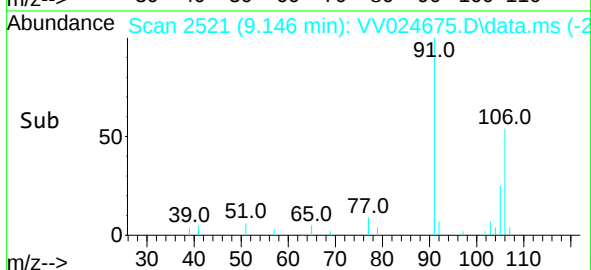
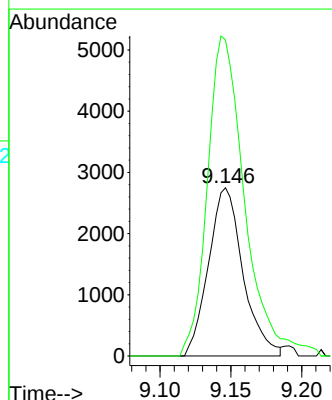
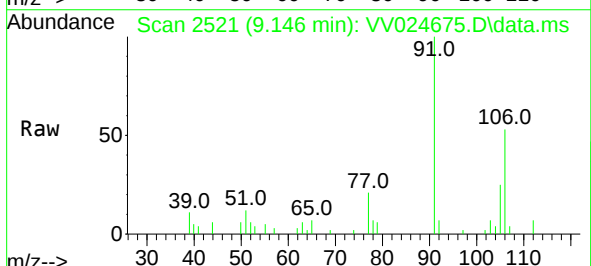
Acq: 15 Feb 2022 17:41

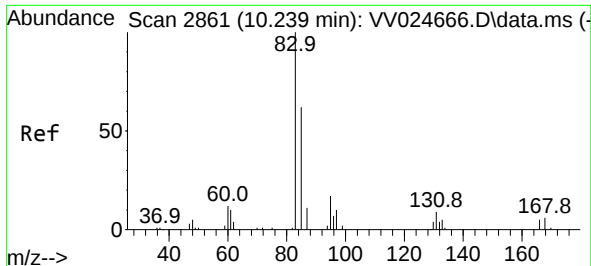
Tgt Ion: 106 Resp: 4663

Ion Ratio Lower Upper

106 100

91 188.0 139.5 259.1





#57

1,1,2,2-Tetrachloroethane

Concen: 0.120 ug/L

RT: 10.243 min Scan# 2862

Delta R.T. 0.003 min

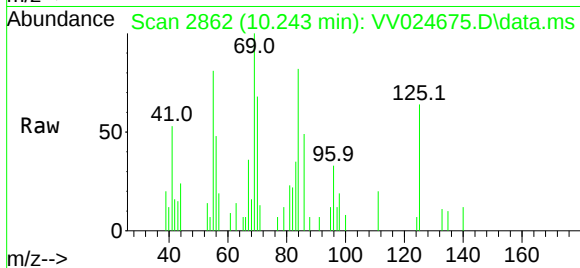
Lab File: VV024675.D

Acq: 15 Feb 2022 17:41

Instrument :

MSVOA_V

ClientSampleId :



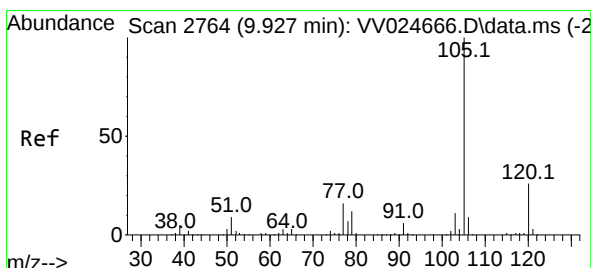
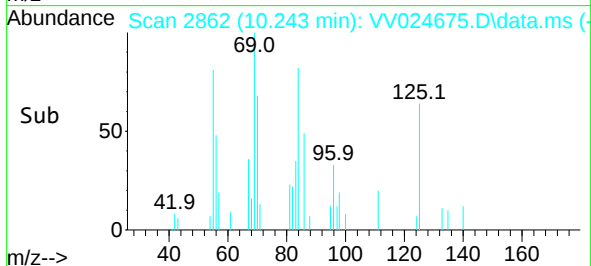
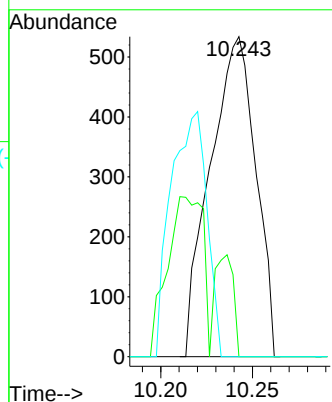
Tgt Ion: 83 Resp: 922

Ion Ratio Lower Upper

83 100

85 0.0 44.6 82.8#

131 0.0 8.3 12.5#



#60

Isopropylbenzene

Concen: 1.269 ug/L

RT: 9.931 min Scan# 2765

Delta R.T. 0.003 min

Lab File: VV024675.D

Acq: 15 Feb 2022 17:41

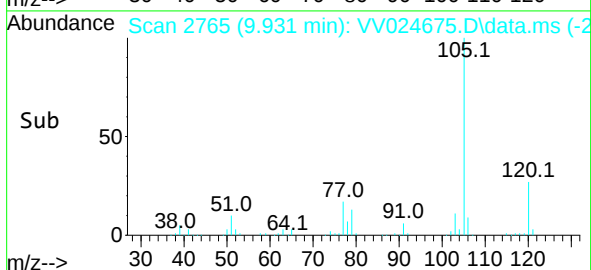
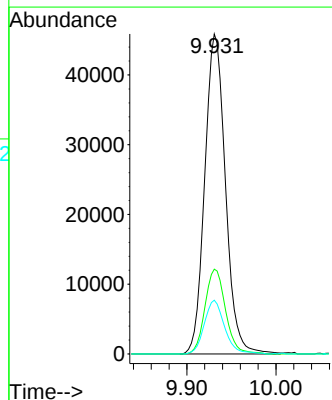
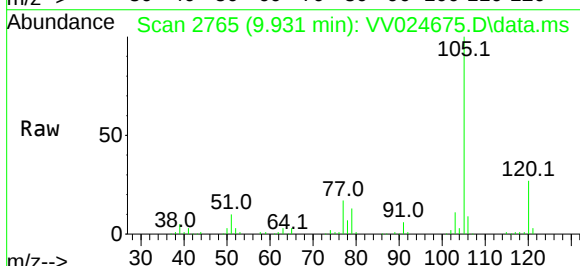
Tgt Ion: 105 Resp: 74001

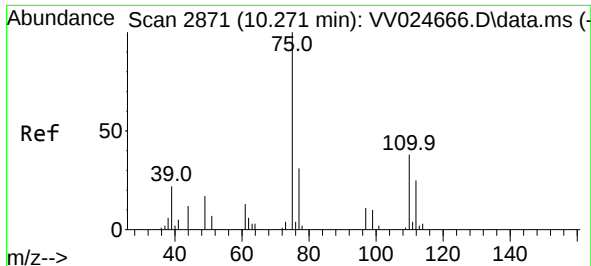
Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.0

77 0.0 12.2 18.4#

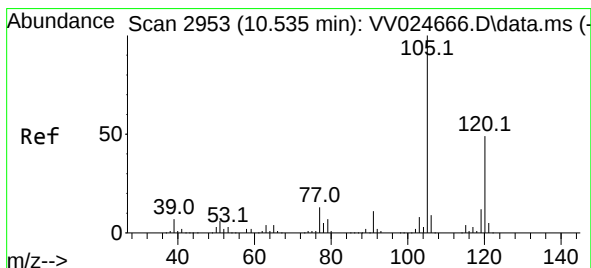
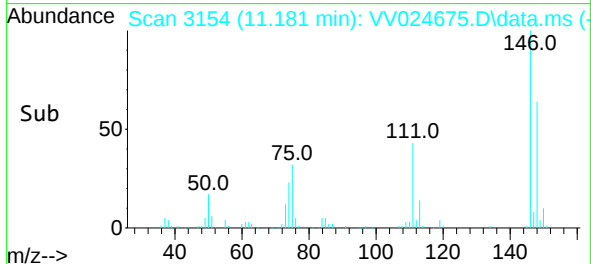
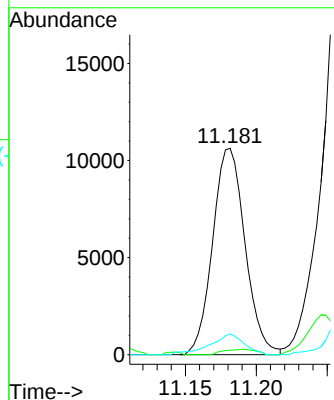
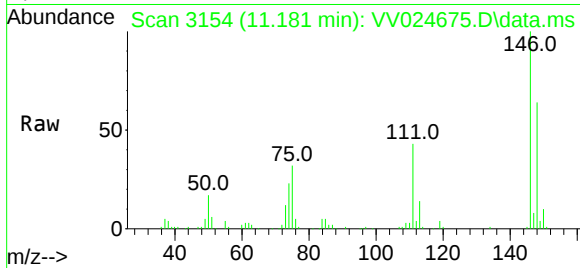




#61
1,2,3-Trichloropropane
Concen: 2.665 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.910 min
Lab File: VV024675.D
Acq: 15 Feb 2022 17:41

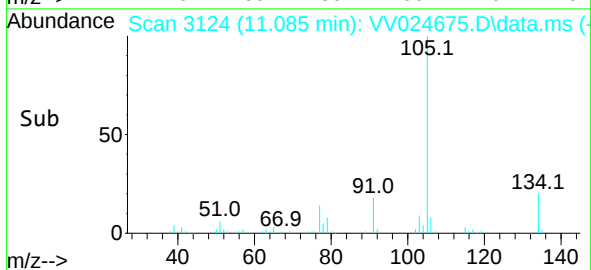
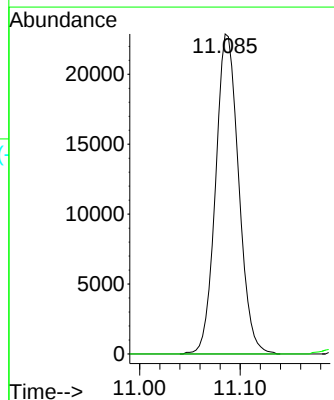
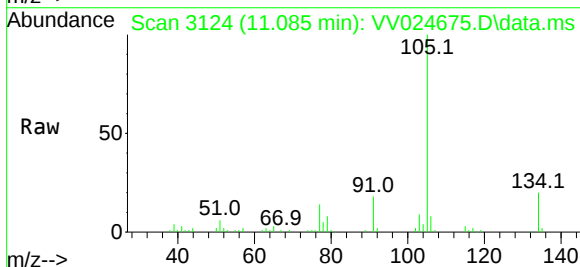
Instrument :
MSVOA_V
ClientSampleId :

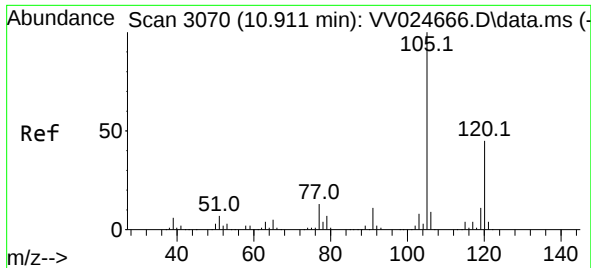
Tgt Ion: 75 Resp: 16897
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
110 10.6 34.2 51.2#



#62
1,3,5-Trimethylbenzene
Concen: 0.730 ug/L
RT: 11.085 min Scan# 3124
Delta R.T. 0.550 min
Lab File: VV024675.D
Acq: 15 Feb 2022 17:41

Tgt Ion: 105 Resp: 36452
Ion Ratio Lower Upper
105 100
120 2.1 40.1 60.1#

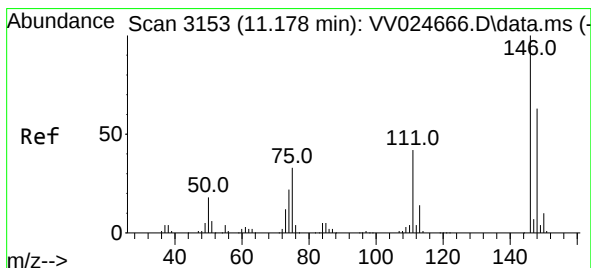
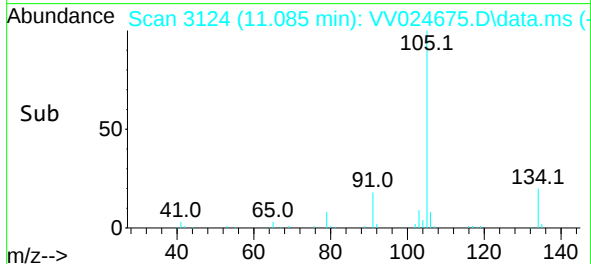
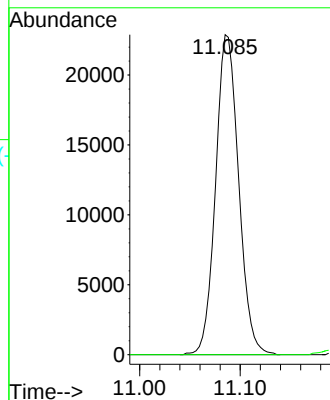
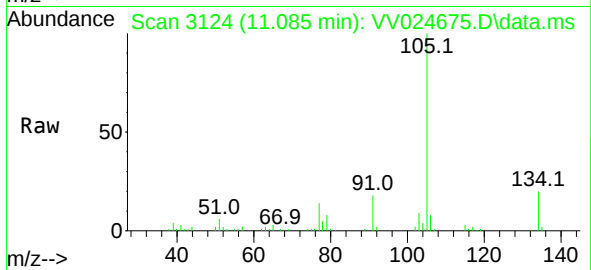




#63
1,2,4-Trimethylbenzene
Concen: 0.734 ug/L
RT: 11.085 min Scan# 3112
Delta R.T. 0.174 min
Lab File: VV024675.D
Acq: 15 Feb 2022 17:41

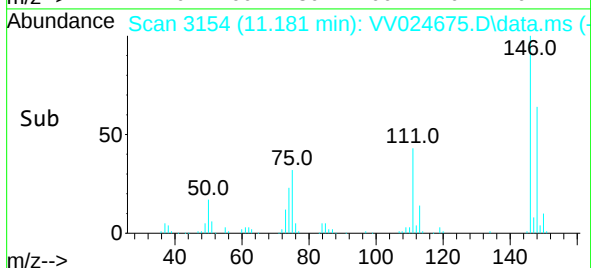
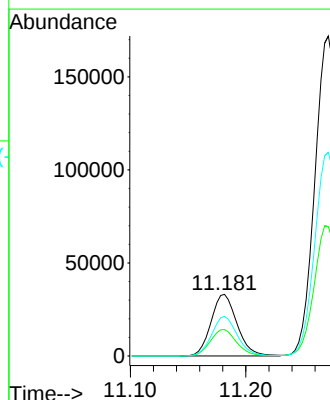
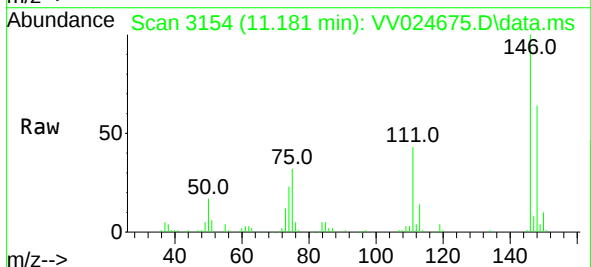
Instrument :
MSVOA_V
ClientSampleId :

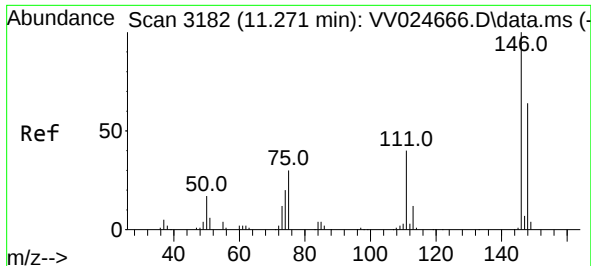
Tgt Ion:105 Resp: 36452
Ion Ratio Lower Upper
105 100
120 2.1 36.7 55.1#



#64
1,3-Dichlorobenzene
Concen: 2.177 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV024675.D
Acq: 15 Feb 2022 17:41

Tgt Ion:146 Resp: 51683
Ion Ratio Lower Upper
146 100
111 42.9 26.3 48.9
148 64.4 44.4 82.5

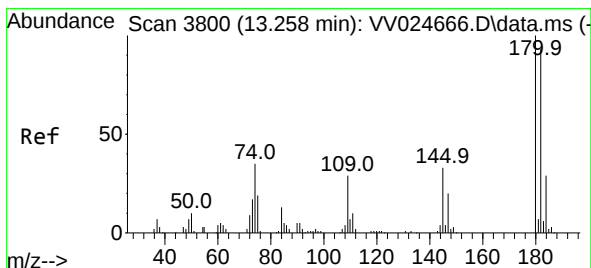
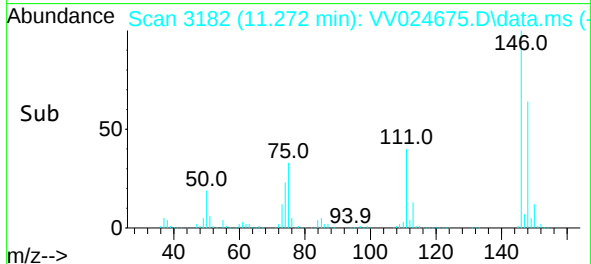
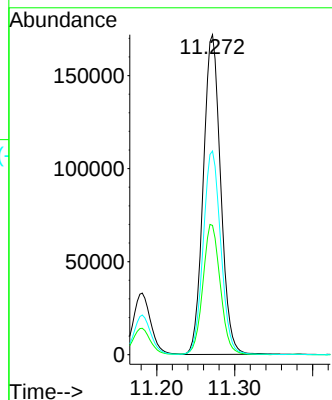
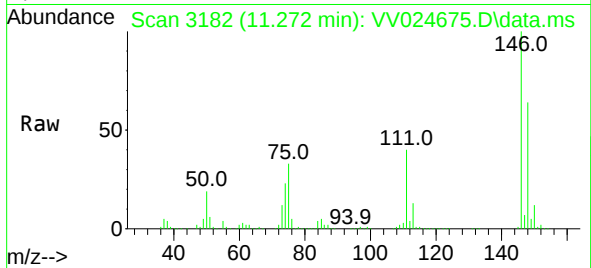




#65
1,4-Dichlorobenzene
Concen: 11.260 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV024675.D
Acq: 15 Feb 2022 17:41

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:146 Resp: 265522
Ion Ratio Lower Upper
146 100
111 40.4 25.6 47.6
148 63.6 44.8 83.2



#70
1,2,4-trichlorobenzene
Concen: 0.054 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.010 min
Lab File: VV024675.D
Acq: 15 Feb 2022 17:41

Tgt Ion:180 Resp: 741
Ion Ratio Lower Upper
180 100
182 110.3 74.4 111.6
145 176.9 23.3 34.9#

