

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021422\
 Data File : VX027013.D
 Acq On : 14 Feb 2022 12:06
 Operator : JC/MD
 Sample : VIBLK624
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK624

Quant Time: Feb 15 05:19:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 15 05:10:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	116138	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	110784	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	53435	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	53337	51.739	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 103.480%	
7) Chloroethane-d5	1.672	69	39222	59.296	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 118.600%	
11) 1,1-Dichloroethene-d2	2.313	63	83760	42.375	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 84.740%	
21) 2-Butanone-d5	4.459	46	82363	115.021	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 115.020%	
24) Chloroform-d	5.062	84	101870	52.621	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 105.240%	
26) 1,2-Dichloroethane-d4	5.958	65	67451	53.760	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 107.520%	
32) Benzene-d6	5.977	84	211731	53.054	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.100%	
36) 1,2-Dichloropropane-d6	7.312	67	63833	53.846	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 107.700%	
41) Toluene-d8	8.653	98	194636	53.304	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 106.600%	
43) trans-1,3-Dichloroprop...	8.952	79	28509	52.745	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 105.480%	
47) 2-Hexanone-d5	9.384	63	57729	112.639	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 112.640%	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	76459	54.574	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 109.140%	
66) 1,2-Dichlorobenzene-d4	12.323	152	67663	55.745	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 111.500%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	946	0.759	ug/L	94
6) Bromomethane	1.618	94	713	1.699	ug/L	98
14) Carbon disulfide	2.514	76	5684	2.361	ug/L	99
17) trans-1,2-Dichloroethene	3.093	96	1017	1.183	ug/L	74
35) Methylcyclohexane	7.385	83	1333	0.861	ug/L	93
42) Toluene	8.720	91	5610	1.460	ug/L	96
52) Ethylbenzene	10.195	91	3055	0.739	ug/L	99
53) m,p-Xylene	10.305	106	1449	0.889	ug/L	88
55) Styrene	10.659	104	1886	0.714	ug/L	92
60) Isopropylbenzene	10.963	105	3103	0.804	ug/L	98
62) 1,3,5-Trimethylbenzene	11.457	105	2274	0.854	ug/L	95
63) 1,2,4-Trimethylbenzene	11.750	105	3050	0.943	ug/L	96
64) 1,3-Dichlorobenzene	11.969	146	2186	1.273	ug/L	98
65) 1,4-Dichlorobenzene	12.043	146	2580	1.493	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	2063	1.242	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.116	180	2149	1.821	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	2248	2.158	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	2252	2.162	ug/L	95

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ClientSampleId :
VIBLK624

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 15 05:10:18 2022
Response via : Initial Calibration

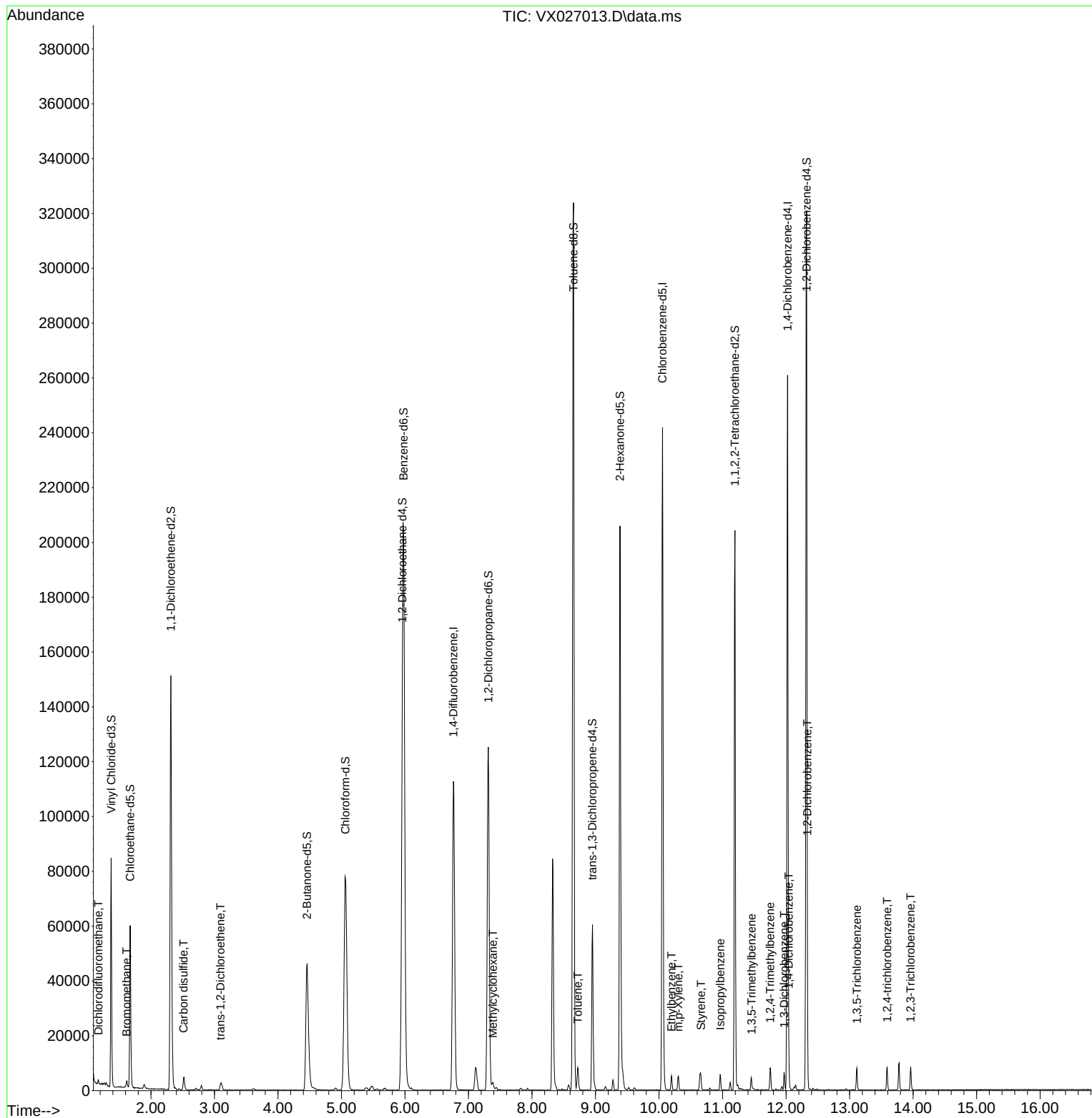
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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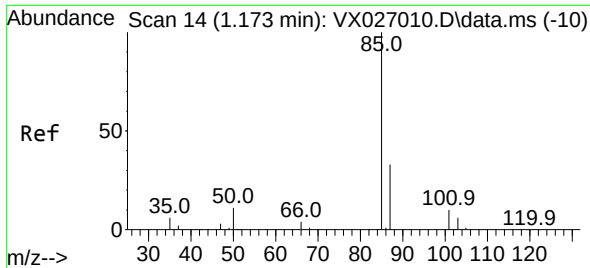
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 15 05:19:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM021422WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 15 05:10:18 2022
Response via : Initial Calibration

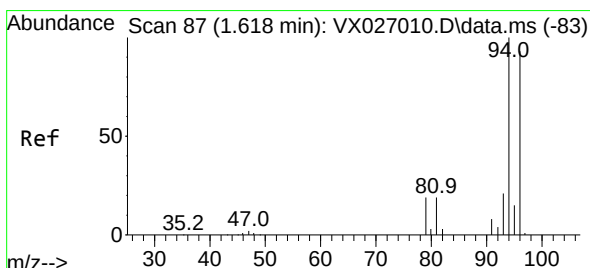
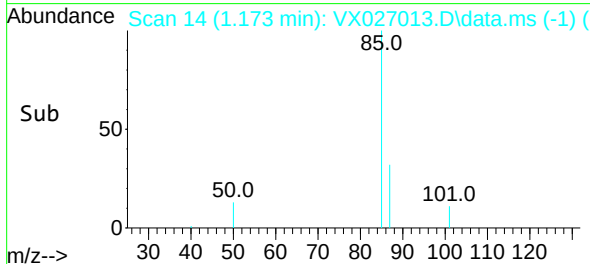
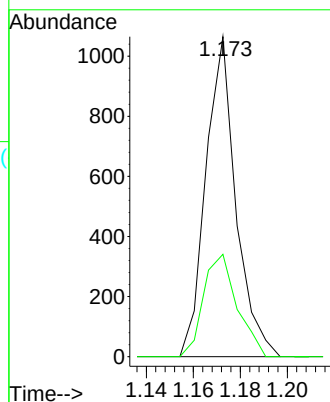
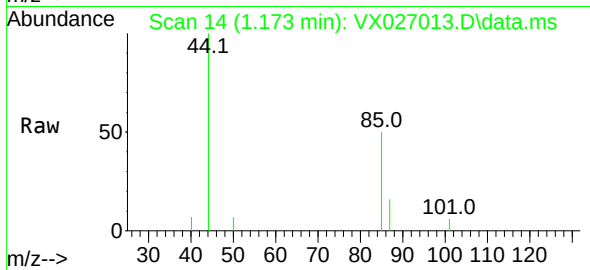




#2
Dichlorodifluoromethane
Concen: 0.759 ug/L
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX027013.D
Acq: 14 Feb 2022 12:06

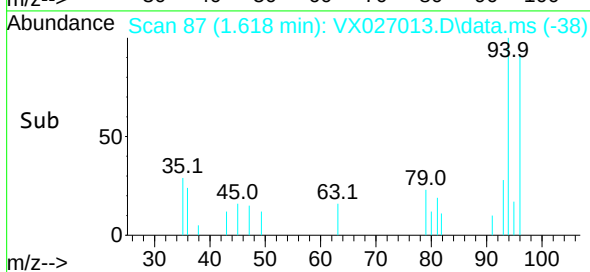
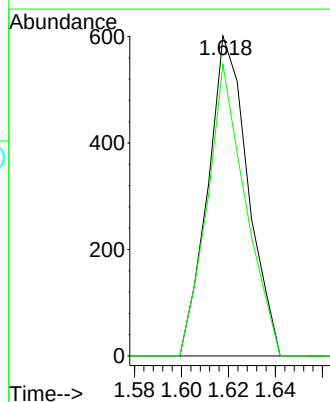
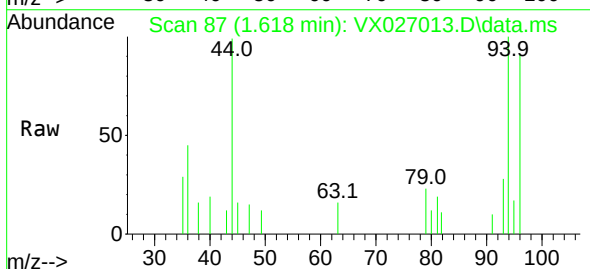
Instrument :
MSVOA_X
ClientSampleId :
VIBLK624

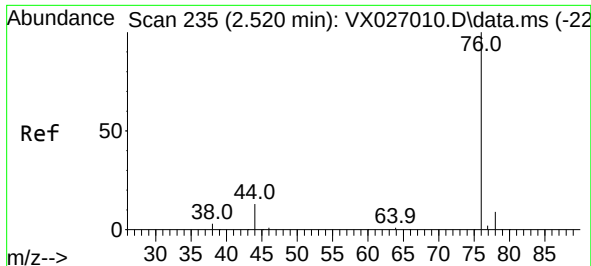
Tgt Ion: 85 Resp: 946
Ion Ratio Lower Upper
85 100
87 35.7 25.9 38.9



#6
Bromomethane
Concen: 1.699 ug/L
RT: 1.618 min Scan# 87
Delta R.T. -0.000 min
Lab File: VX027013.D
Acq: 14 Feb 2022 12:06

Tgt Ion: 94 Resp: 713
Ion Ratio Lower Upper
94 100
96 91.2 64.9 120.5





#14

Carbon disulfide

Concen: 2.361 ug/L

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX027013.D

Acq: 14 Feb 2022 12:06

Instrument :

MSVOA_X

ClientSampleId :

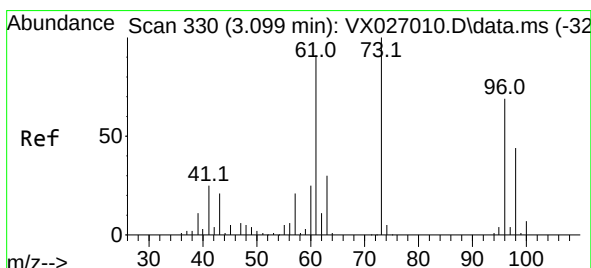
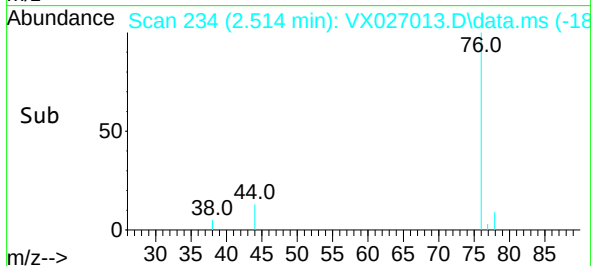
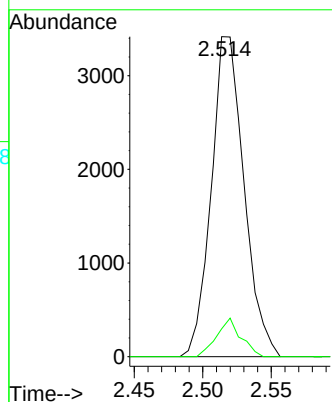
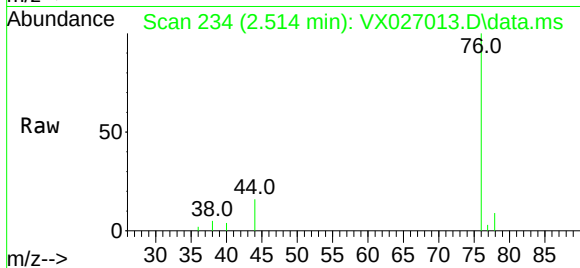
VIBLK624

Tgt Ion: 76 Resp: 5684

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



#17

trans-1,2-Dichloroethene

Concen: 1.183 ug/L

RT: 3.093 min Scan# 329

Delta R.T. -0.006 min

Lab File: VX027013.D

Acq: 14 Feb 2022 12:06

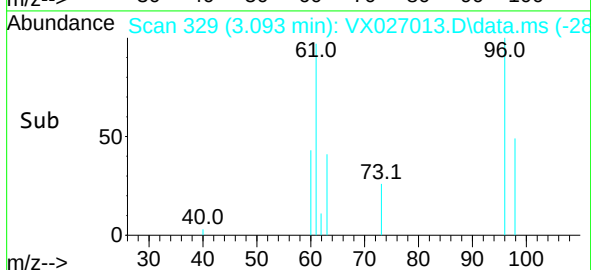
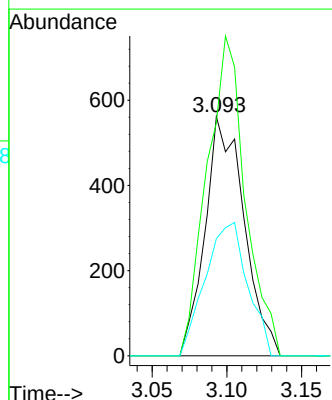
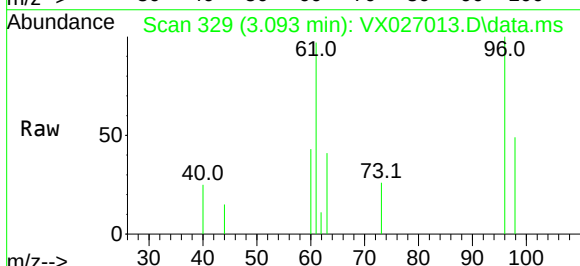
Tgt Ion: 96 Resp: 1017

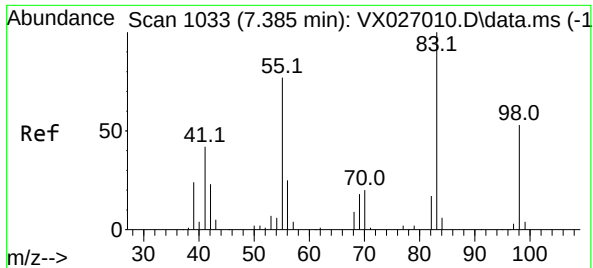
Ion Ratio Lower Upper

96 100

61 97.3 93.0 172.6

98 48.9 44.3 82.3





#35

Methylcyclohexane

Concen: 0.861 ug/L

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX027013.D

Acq: 14 Feb 2022 12:06

Instrument :

MSVOA_X

ClientSampleId :

VIBLK624

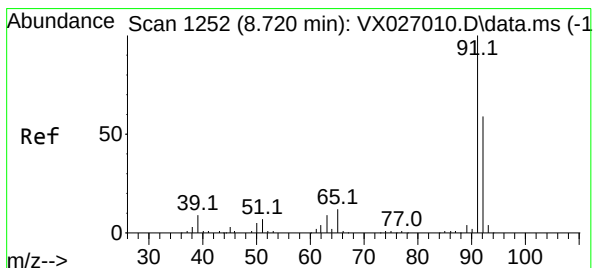
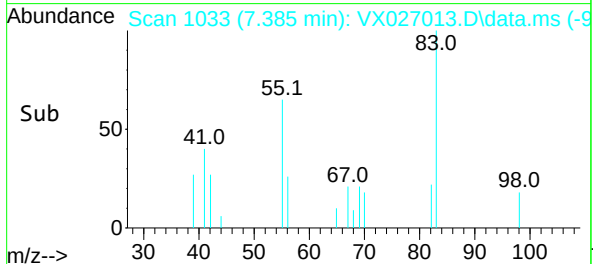
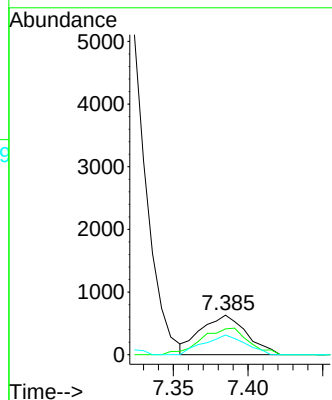
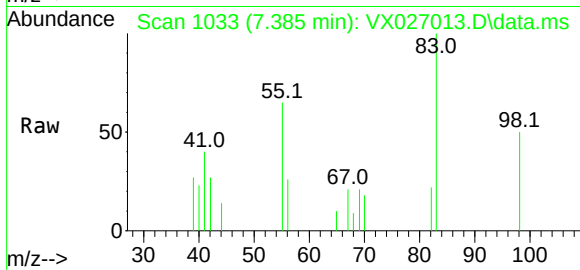
Tgt Ion: 83 Resp: 1333

Ion Ratio Lower Upper

83 100

55 69.2 60.6 90.8

98 45.5 39.8 59.8



#42

Toluene

Concen: 1.460 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX027013.D

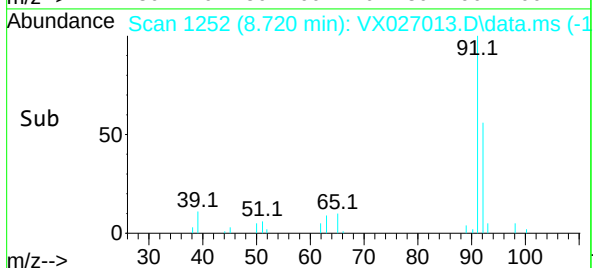
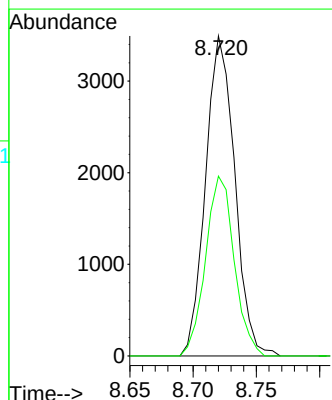
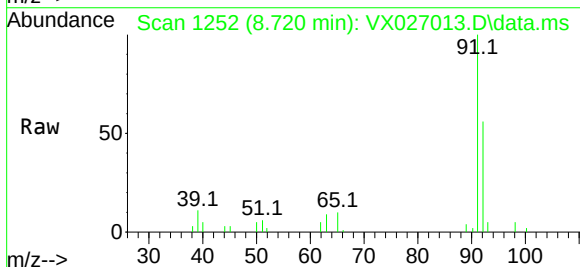
Acq: 14 Feb 2022 12:06

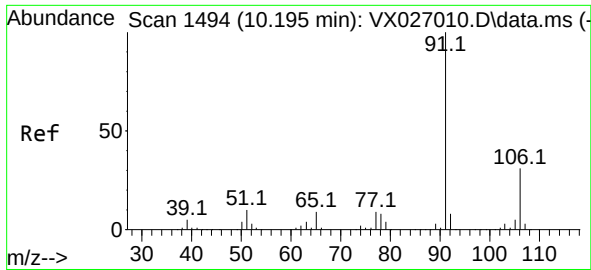
Tgt Ion: 91 Resp: 5610

Ion Ratio Lower Upper

91 100

92 56.2 41.5 77.1

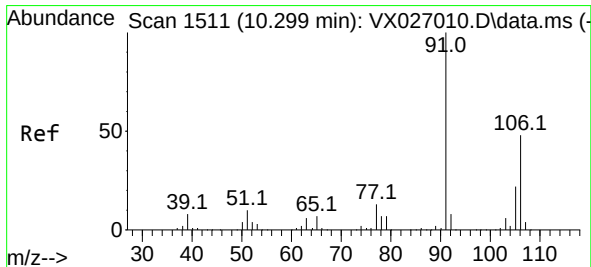
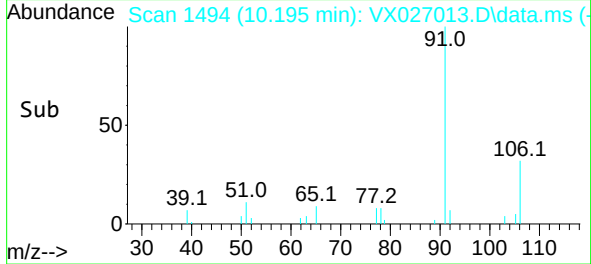
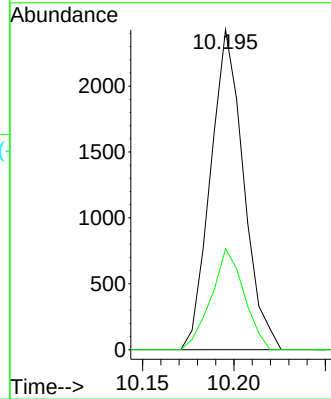
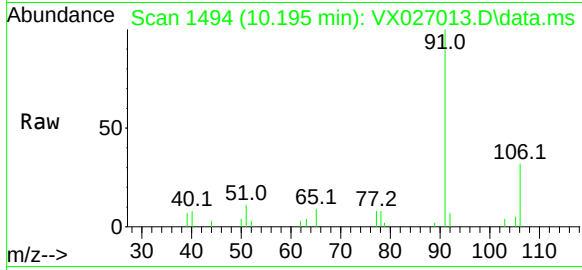




#52
Ethylbenzene
Concen: 0.739 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX027013.D
Acq: 14 Feb 2022 12:06

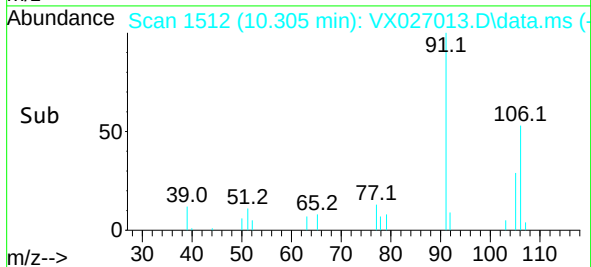
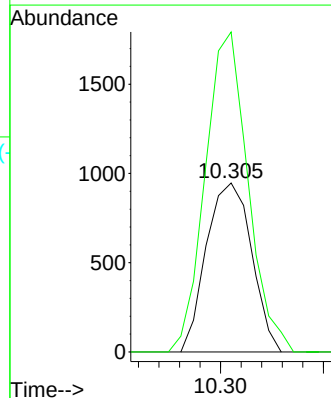
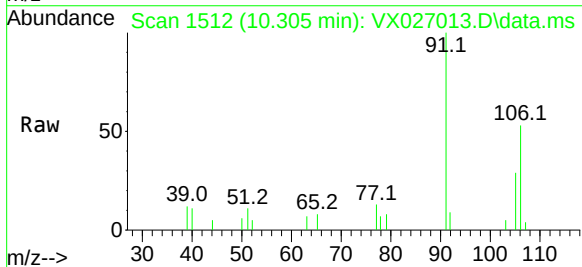
Instrument :
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ClientSampleId :
VIBLK624

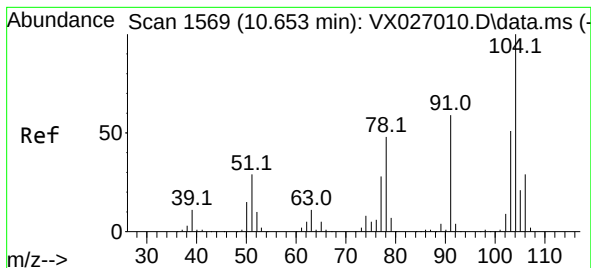
Tgt Ion: 91 Resp: 3055
Ion Ratio Lower Upper
91 100
106 31.5 21.7 40.3



#53
m,p-Xylene
Concen: 0.889 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX027013.D
Acq: 14 Feb 2022 12:06

Tgt Ion: 106 Resp: 1449
Ion Ratio Lower Upper
106 100
91 189.3 145.7 270.5





#55

Styrene

Concen: 0.714 ug/L

RT: 10.659 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VX027013.D

Acq: 14 Feb 2022 12:06

Instrument :

MSVOA_X

ClientSampleId :

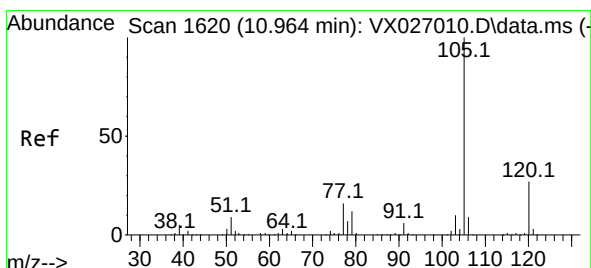
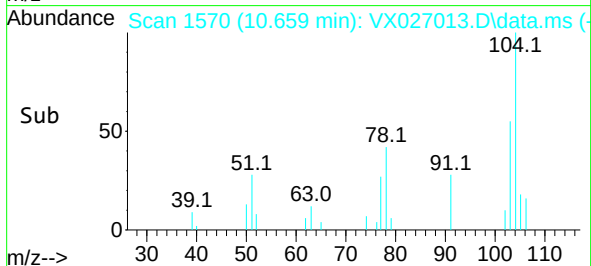
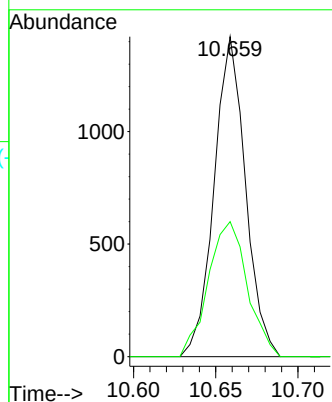
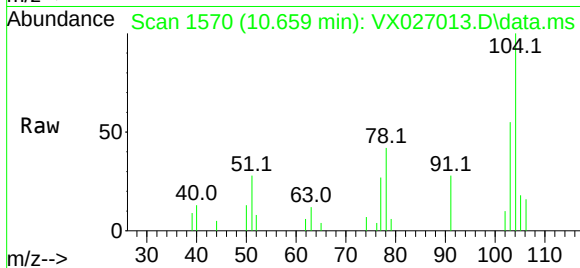
VIBLK624

Tgt Ion:104 Resp: 1886

Ion Ratio Lower Upper

104 100

78 42.2 33.3 61.9



#60

Isopropylbenzene

Concen: 0.804 ug/L

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX027013.D

Acq: 14 Feb 2022 12:06

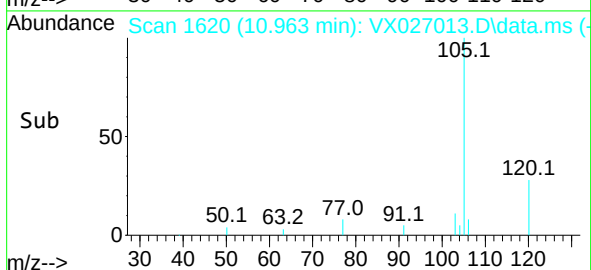
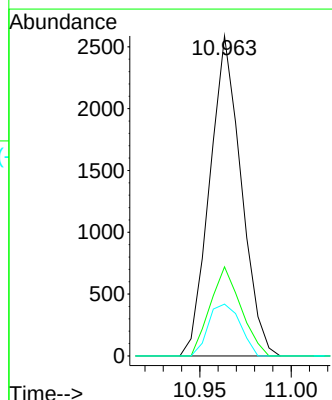
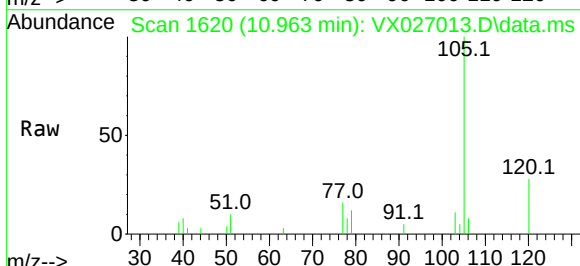
Tgt Ion:105 Resp: 3103

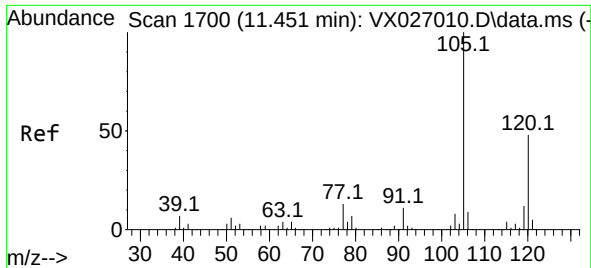
Ion Ratio Lower Upper

105 100

120 27.2 21.2 31.8

77 16.4 12.5 18.7

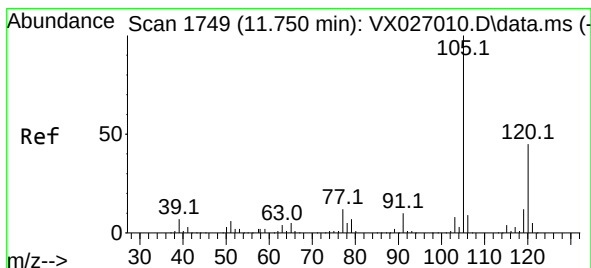
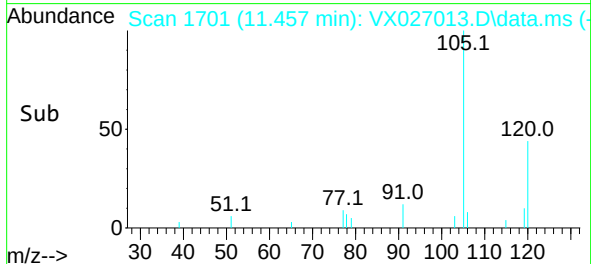
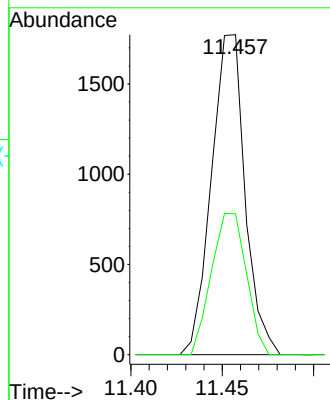
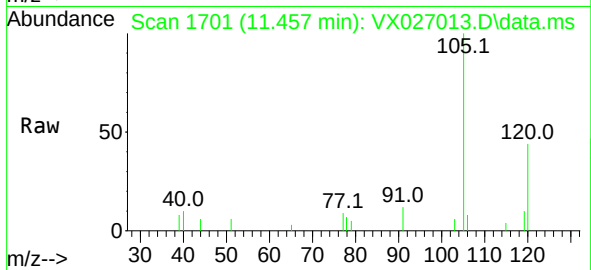




#62
1,3,5-Trimethylbenzene
Concen: 0.854 ug/L
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX027013.D
Acq: 14 Feb 2022 12:06

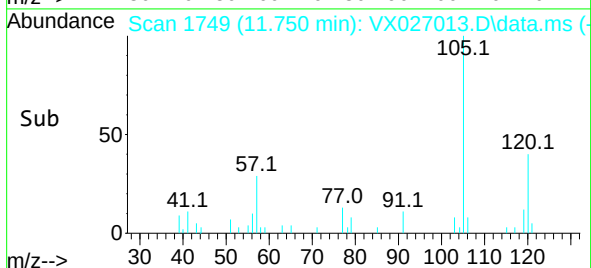
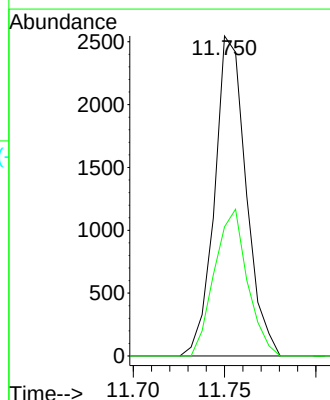
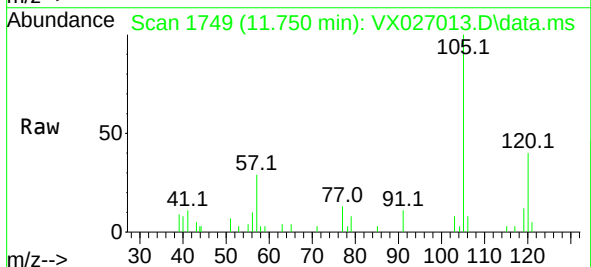
Instrument :
MSVOA_X
ClientSampleId :
VIBLK624

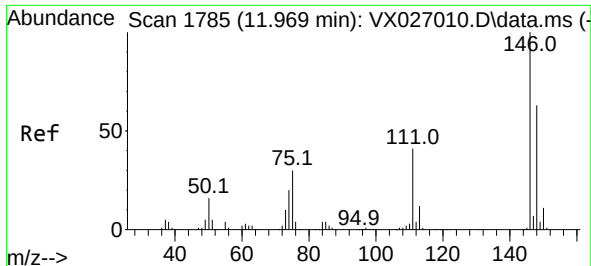
Tgt Ion:105 Resp: 2274
Ion Ratio Lower Upper
105 100
120 45.8 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 0.943 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX027013.D
Acq: 14 Feb 2022 12:06

Tgt Ion:105 Resp: 3050
Ion Ratio Lower Upper
105 100
120 47.9 36.1 54.1

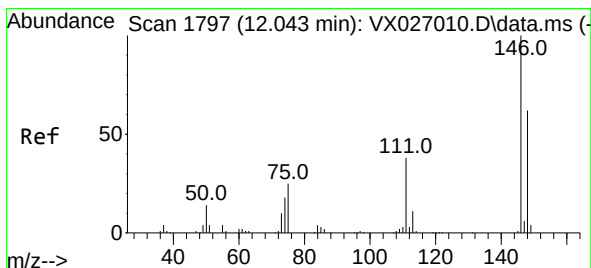
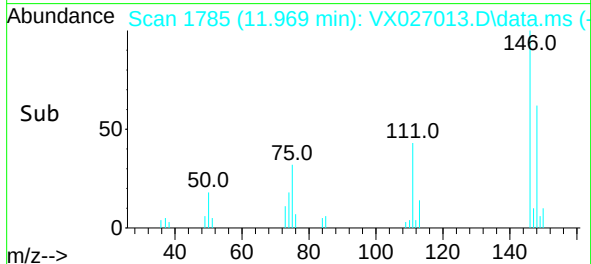
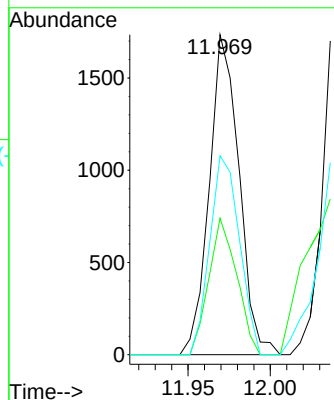
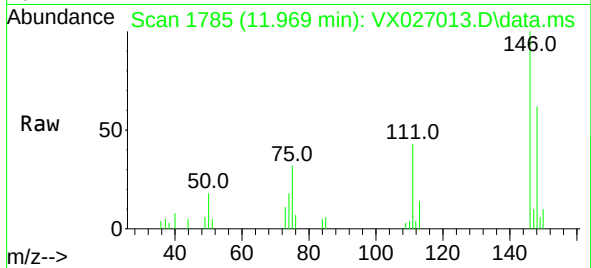




#64
1,3-Dichlorobenzene
Concen: 1.273 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX027013.D
Acq: 14 Feb 2022 12:06

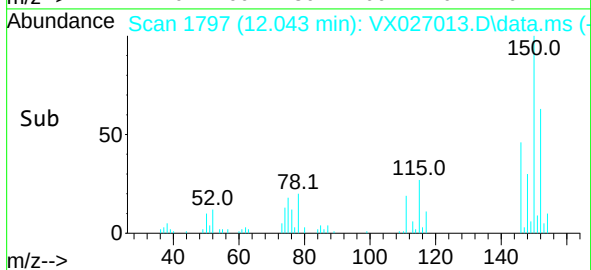
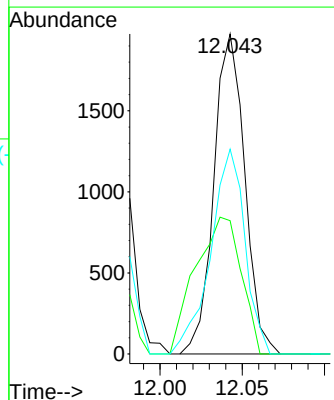
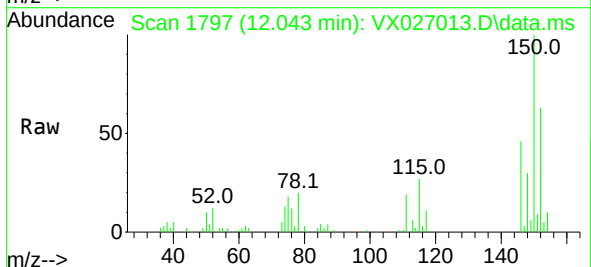
Instrument :
MSVOA_X
ClientSampleId :
VIBLK624

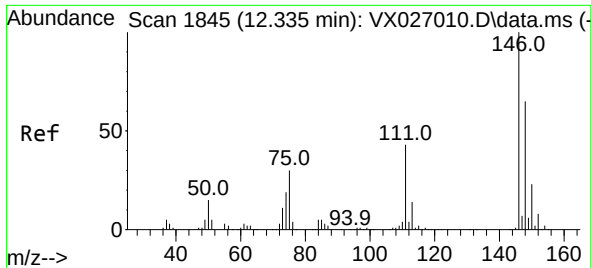
Tgt Ion:146 Resp: 2186
Ion Ratio Lower Upper
146 100
111 42.7 28.3 52.7
148 62.1 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 1.493 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX027013.D
Acq: 14 Feb 2022 12:06

Tgt Ion:146 Resp: 2580
Ion Ratio Lower Upper
146 100
111 41.6 26.5 49.3
148 64.0 43.5 80.7

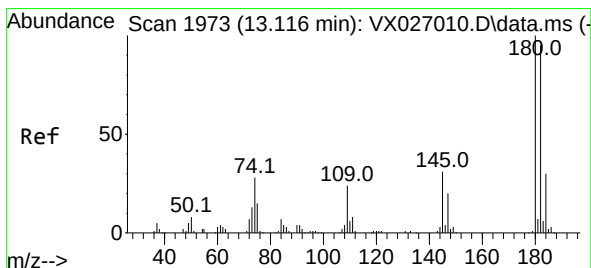
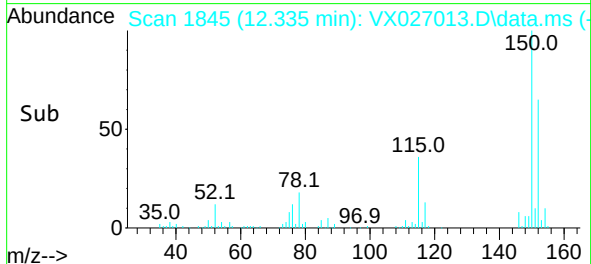
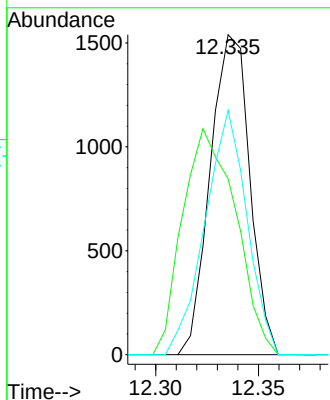
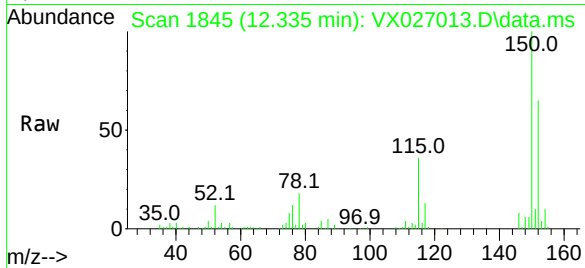




#67
1,2-Dichlorobenzene
Concen: 1.242 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX027013.D
Acq: 14 Feb 2022 12:06

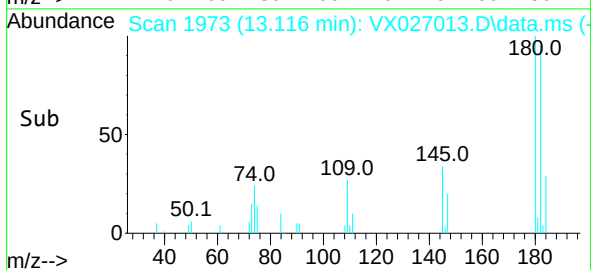
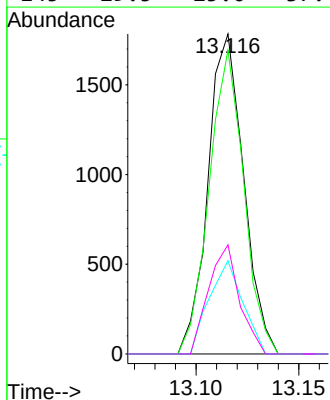
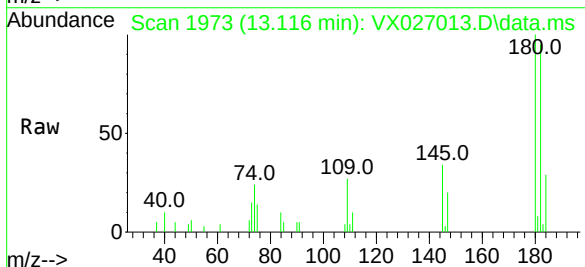
Instrument :
MSVOA_X
ClientSampleId :
VIBLK624

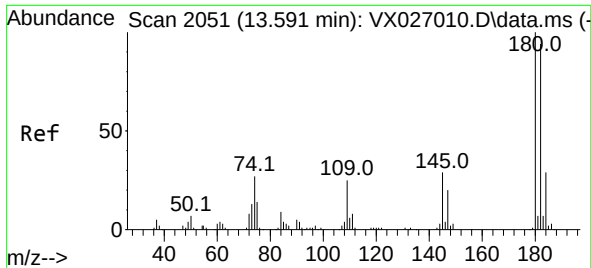
Tgt Ion:146 Resp: 2063
Ion Ratio Lower Upper
146 100
111 54.9 34.5 51.7#
148 76.4 51.9 77.9



#69
1,3,5-Trichlorobenzene
Concen: 1.821 ug/L
RT: 13.116 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VX027013.D
Acq: 14 Feb 2022 12:06

Tgt Ion:180 Resp: 2149
Ion Ratio Lower Upper
180 100
182 92.3 75.6 113.4
184 27.4 23.6 35.4
145 29.5 25.0 37.4

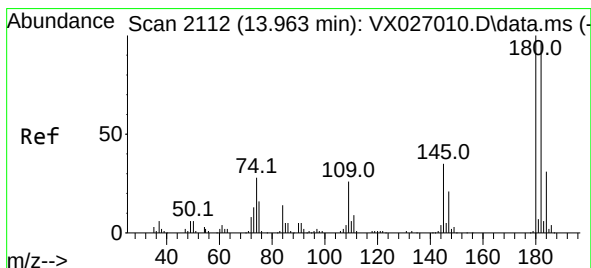
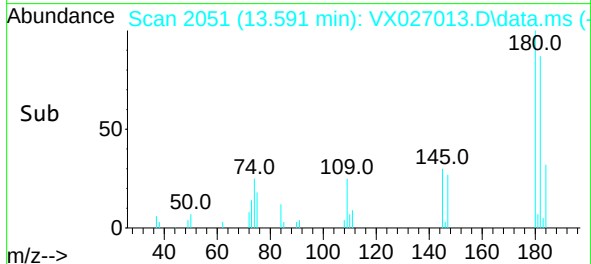
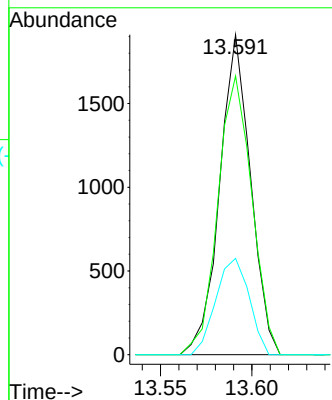
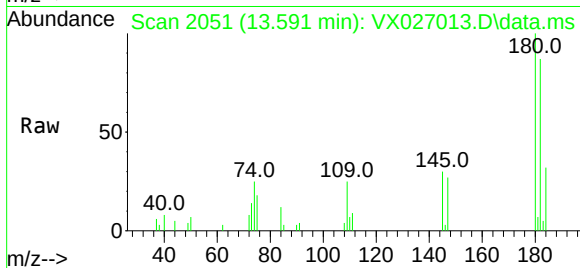




#70
1,2,4-trichlorobenzene
Concen: 2.158 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX027013.D
Acq: 14 Feb 2022 12:06

Instrument :
MSVOA_X
ClientSampleId :
VIBLK624

Tgt Ion:180 Resp: 2248
Ion Ratio Lower Upper
180 100
182 95.7 75.4 113.2
145 32.4 25.0 37.4



#72
1,2,3-Trichlorobenzene
Concen: 2.162 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX027013.D
Acq: 14 Feb 2022 12:06

Tgt Ion:180 Resp: 2252
Ion Ratio Lower Upper
180 100
182 89.3 77.0 115.4
145 33.7 27.4 41.0

