

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110821\
 Data File : VX025104.D
 Acq On : 08 Nov 2021 18:40
 Operator : JC/MD
 Sample : M4464-07 10X
 Misc : 7.45g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GB7K5

Quant Time: Nov 09 04:18:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML110821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 09 03:59:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	191714	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.055	117	171753	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	84282	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	88208	50.883	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	101.760%	
7) Chloroethane-d5	1.660	69	41216	37.925	ug/L	-0.01
Spiked Amount 50.000	Range 70	- 130	Recovery	=	75.840%	
11) 1,1-Dichloroethene-d2	2.306	63	142044	42.540	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	85.080%	
21) 2-Butanone-d5	4.464	46	132701	111.383	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	111.380%	
24) Chloroform-d	5.062	84	163500	47.974	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	95.940%	
26) 1,2-Dichloroethane-d4	5.964	65	119632	53.659	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	107.320%	
32) Benzene-d6	5.982	84	273622	44.744	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	89.480%	
36) 1,2-Dichloropropane-d6	7.318	67	86906	48.229	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	96.460%	
41) Toluene-d8	8.659	98	308031	59.921	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	119.840%	
43) trans-1,3-Dichloroprop...	8.958	79	47325	49.207	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	98.420%	
47) 2-Hexanone-d5	9.390	63	75285	97.809	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	97.810%	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	111884	44.856	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	89.720%	
66) 1,2-Dichlorobenzene-d4	12.323	152	74052	44.826	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	89.660%	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	8574	5.509	ug/L #	86
12) 1,1-Dichloroethene	2.318	96	8215	6.002	ug/L #	1
19) 1,1-Dichloroethane	3.617	63	3071	1.059	ug/L #	82
20) cis-1,2-Dichloroethene	4.495	96	119589	74.323	ug/L	86
29) Cyclohexane	5.483	56	59143	22.498	ug/L #	72
30) 1,1,1-Trichloroethane	5.397	97	6139303	1973.157	ug/L #	91
33) Benzene	6.037	78	23891	3.697	ug/L	100
34) Trichloroethene	7.159	95	16388648	9955.432	ug/L	95
35) Methylcyclohexane	7.385	83	57650	23.544	ug/L #	80
39) cis-1,3-Dichloropropene	8.324	75	3930	1.622	ug/L	84
44) trans-1,3-Dichloropropene	8.958	75	2763	1.138	ug/L	89
45) 1,1,2-Trichloroethane	9.159	97	2471	1.785	ug/L	84
46) Tetrachloroethene	9.281	164	129270	141.809	ug/L	98
52) Ethylbenzene	10.195	91	187755	28.384	ug/L	93
53) m,p-Xylene	10.305	106	138313	57.485	ug/L	98
54) o-Xylene	10.646	106	51520	22.627	ug/L	96
55) Styrene	10.652	104	3010	0.759	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	11.219	83	20422	8.248	ug/L #	32
60) Isopropylbenzene	11.384	105	163660	23.295	ug/L	93

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 QLast Update : Tue Nov 09 03:59:51 2021
 Response via : Initial Calibration

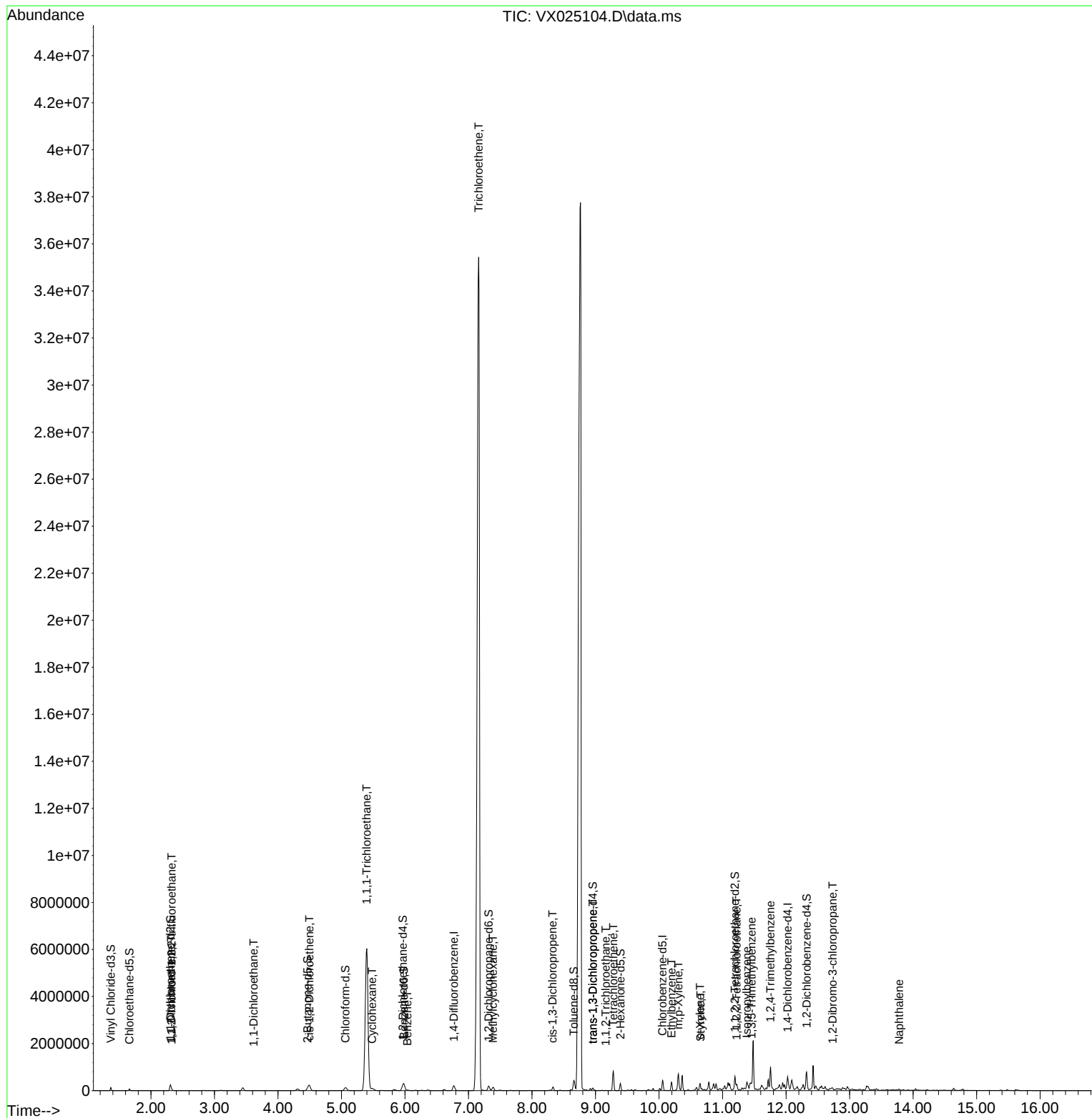
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.457	105	95823	16.468	ug/L	96
63) 1,2,4-Trimethylbenzene	11.756	105	353036	61.865	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.731	75	1104	1.739	ug/L #	9
71) Naphthalene	13.780	128	27520	4.896	ug/L	99

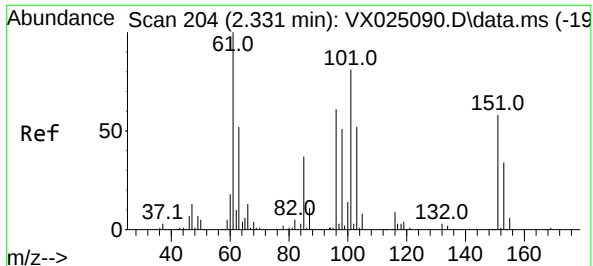
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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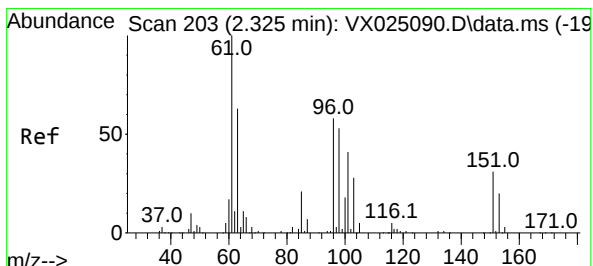
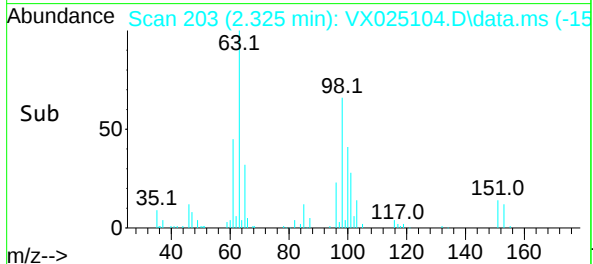
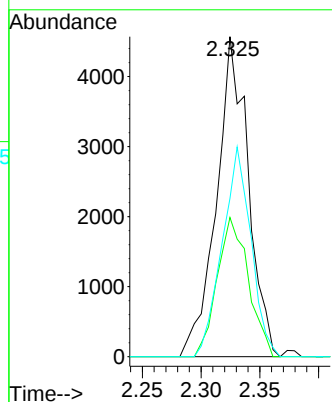
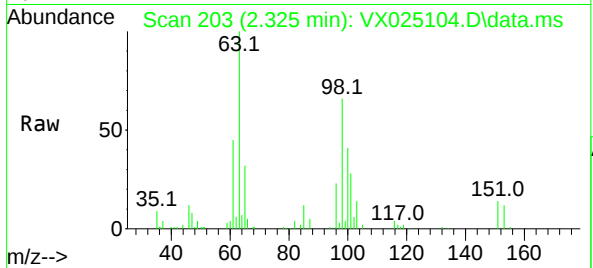




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.509 ug/L
RT: 2.325 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX025104.D
Acq: 08 Nov 2021 18:40

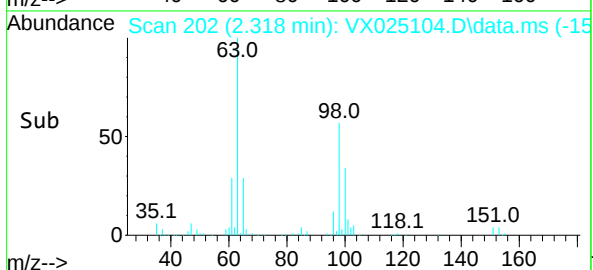
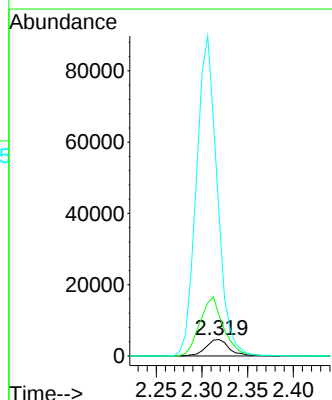
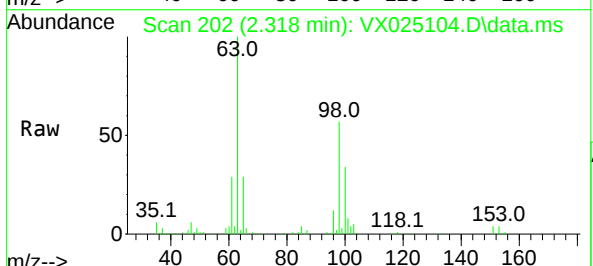
Instrument :
MSVOA_X
ClientSampleId :
GB7K5

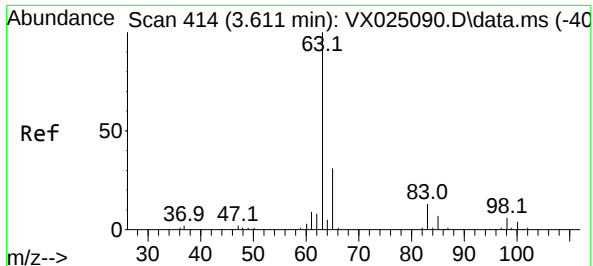
Tgt Ion:101 Resp: 8574
Ion Ratio Lower Upper
101 100
85 42.7 35.3 52.9
151 59.5 62.3 93.5#



#12
1,1-Dichloroethene
Concen: 6.002 ug/L
RT: 2.318 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX025104.D
Acq: 08 Nov 2021 18:40

Tgt Ion: 96 Resp: 8215
Ion Ratio Lower Upper
96 100
61 247.9 109.9 204.1#
63 868.1 92.4 171.6#





#19

1,1-Dichloroethane

Concen: 1.059 ug/L

RT: 3.617 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX025104.D

Acq: 08 Nov 2021 18:40

Instrument :

MSVOA_X

ClientSampleId :

GB7K5

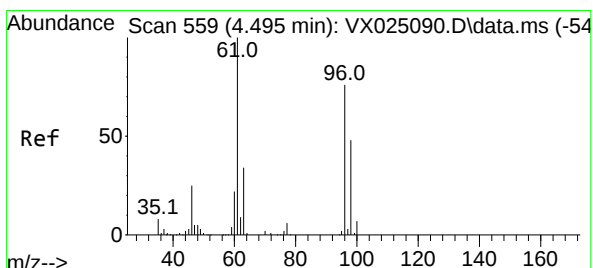
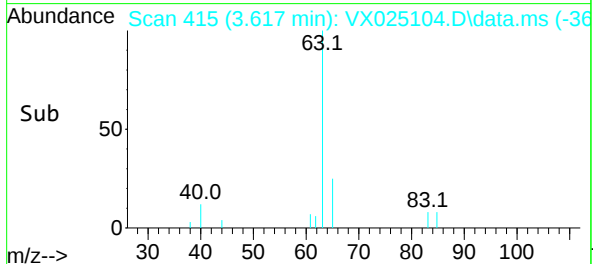
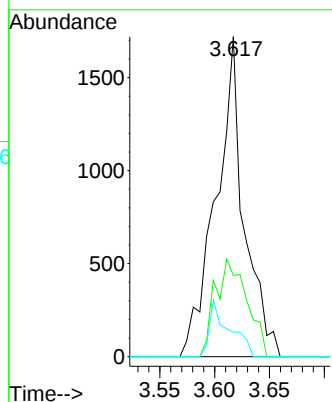
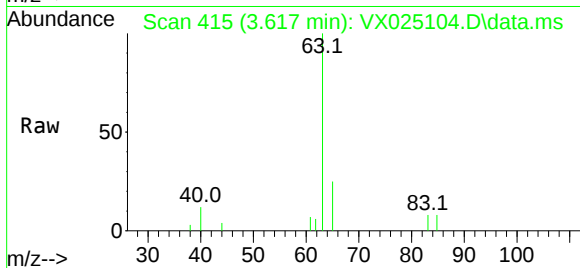
Tgt Ion: 63 Resp: 3071

Ion Ratio Lower Upper

63 100

65 25.4 24.5 45.5

83 7.6 11.7 21.7#



#20

cis-1,2-Dichloroethene

Concen: 74.323 ug/L

RT: 4.495 min Scan# 559

Delta R.T. -0.000 min

Lab File: VX025104.D

Acq: 08 Nov 2021 18:40

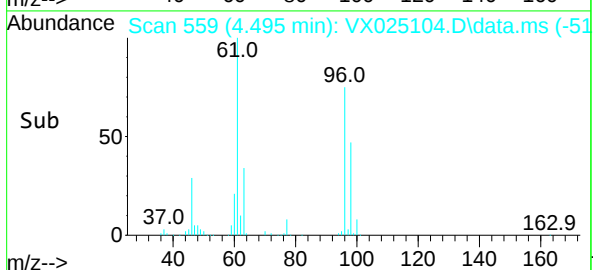
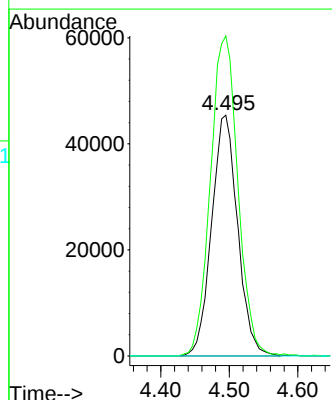
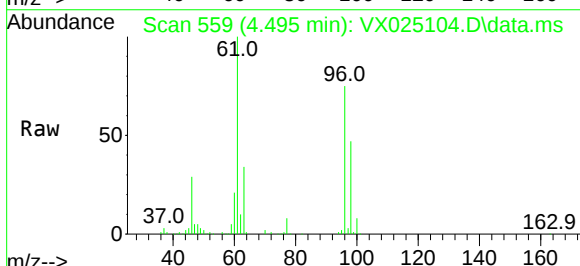
Tgt Ion: 96 Resp: 119589

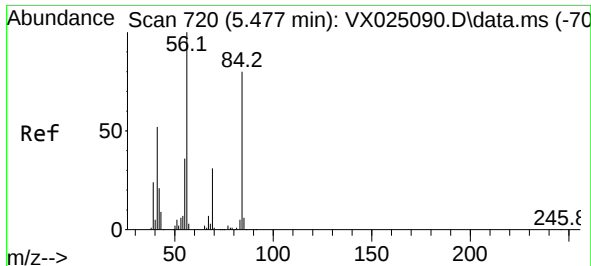
Ion Ratio Lower Upper

96 100

61 132.9 82.6 153.4

68 0.0 0.0 0.0





#29

Cyclohexane

Concen: 22.498 ug/L

RT: 5.483 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX025104.D

Acq: 08 Nov 2021 18:40

Instrument :

MSVOA_X

ClientSampleId :

GB7K5

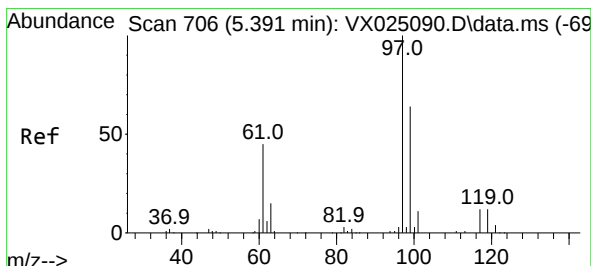
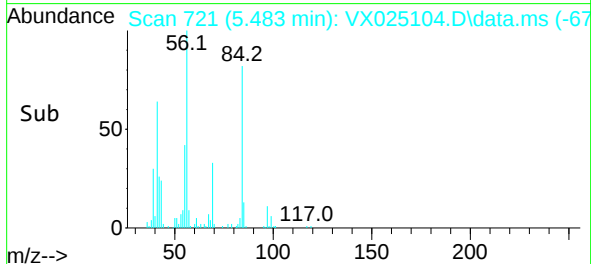
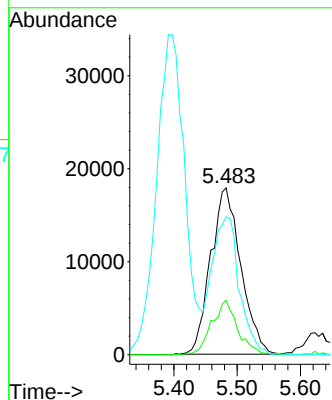
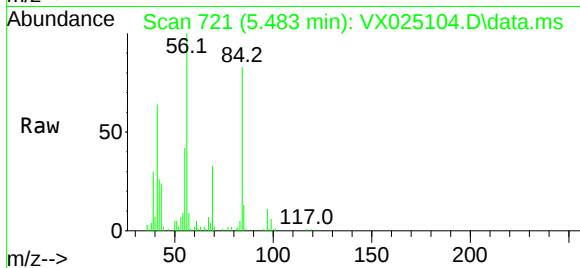
Tgt Ion: 56 Resp: 59143

Ion Ratio Lower Upper

56 100

69 28.2 30.8 46.2#

84 75.0 86.8 130.2#



#30

1,1,1-Trichloroethane

Concen: 1973.157 ug/L

RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX025104.D

Acq: 08 Nov 2021 18:40

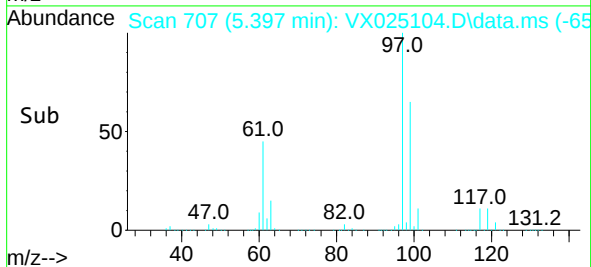
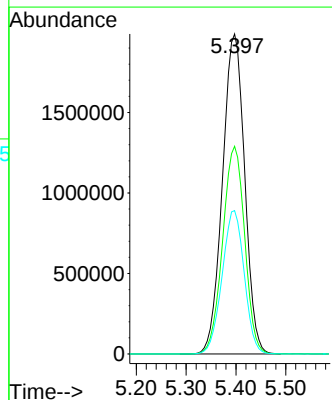
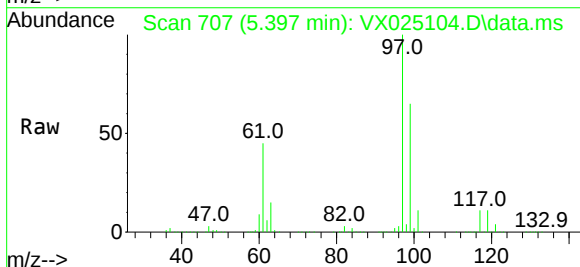
Tgt Ion: 97 Resp: 6139303

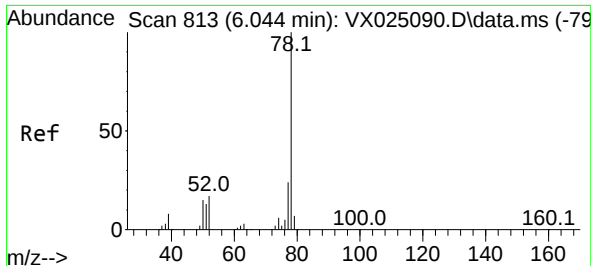
Ion Ratio Lower Upper

97 100

99 64.5 53.1 79.7

61 44.8 26.3 39.5#

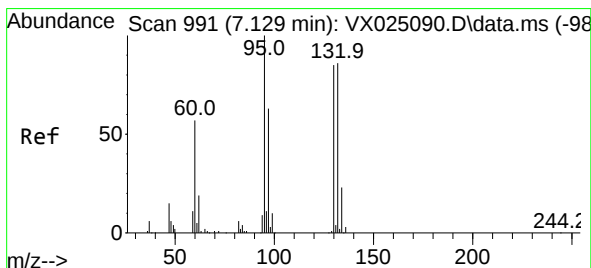
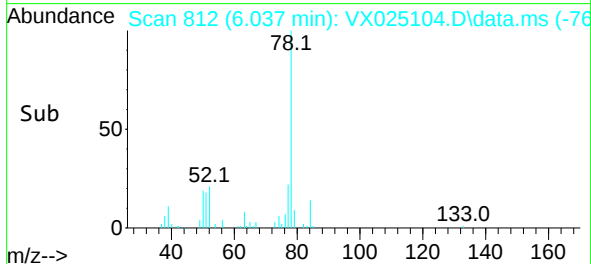
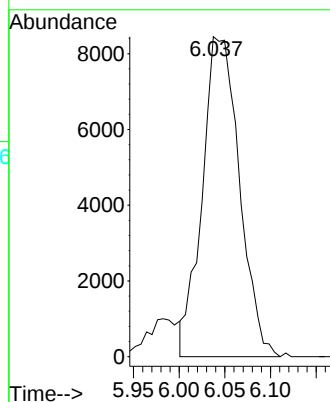
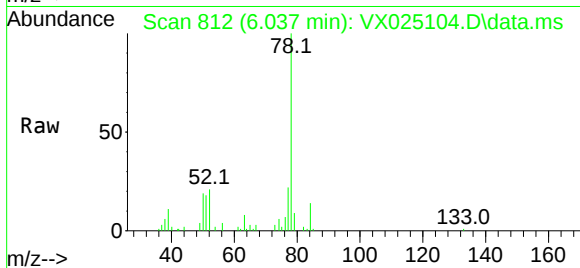




#33
Benzene
Concen: 3.697 ug/L
RT: 6.037 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX025104.D
Acq: 08 Nov 2021 18:40

Instrument :
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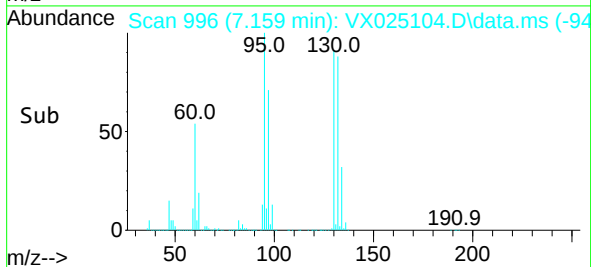
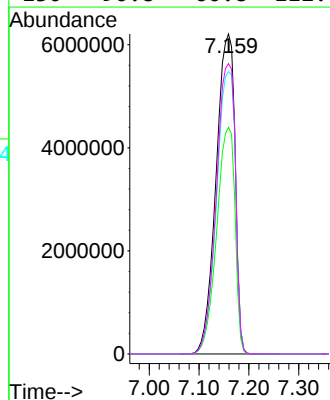
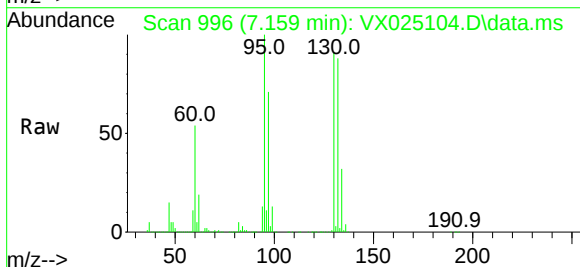
Tgt Ion: 78 Resp: 23891

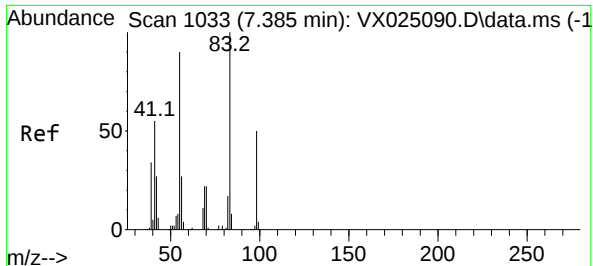


#34
Trichloroethene
Concen: 9955.432 ug/L
RT: 7.159 min Scan# 996
Delta R.T. 0.030 min
Lab File: VX025104.D
Acq: 08 Nov 2021 18:40

Tgt Ion: 95 Resp:16388648

Ion	Ratio	Lower	Upper
95	100		
97	70.8	44.2	82.2
132	88.3	60.1	111.5
130	90.8	60.8	112.8





#35

Methylcyclohexane

Concen: 23.544 ug/L

RT: 7.385 min Scan# 1187

Delta R.T. -0.000 min

Lab File: VX025104.D

Acq: 08 Nov 2021 18:40

Instrument :

MSVOA_X

ClientSampleId :

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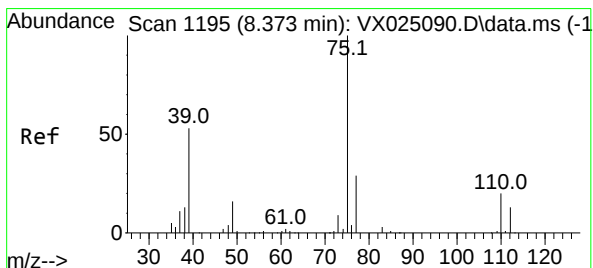
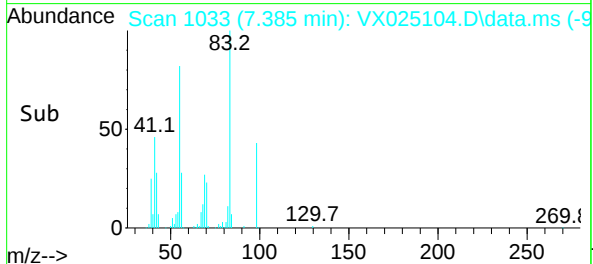
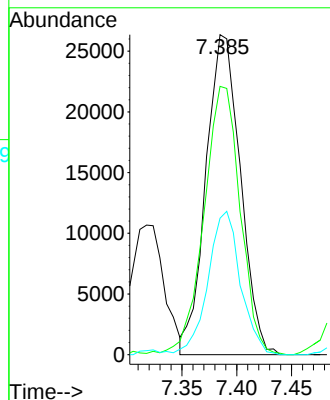
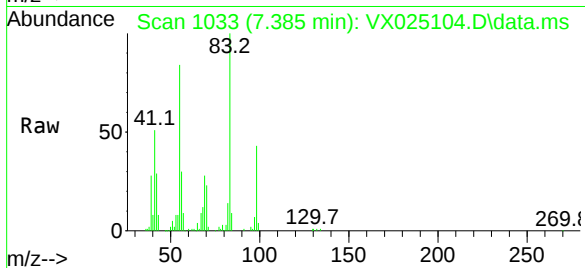
Tgt Ion: 83 Resp: 57650

Ion Ratio Lower Upper

83 100

55 88.0 52.6 79.0#

98 42.1 37.9 56.9



#39

cis-1,3-Dichloropropene

Concen: 1.622 ug/L

RT: 8.324 min Scan# 1187

Delta R.T. -0.049 min

Lab File: VX025104.D

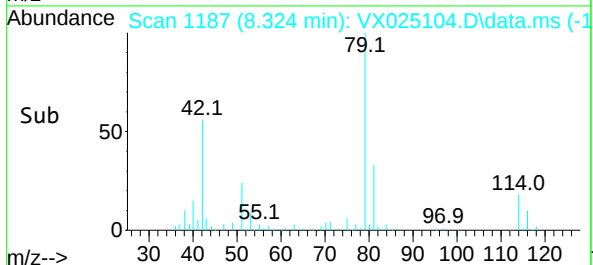
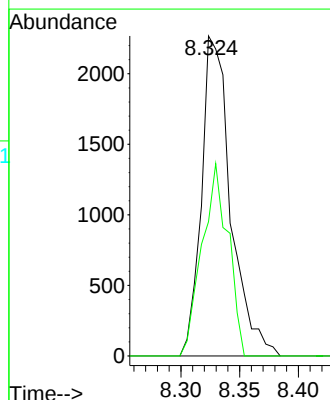
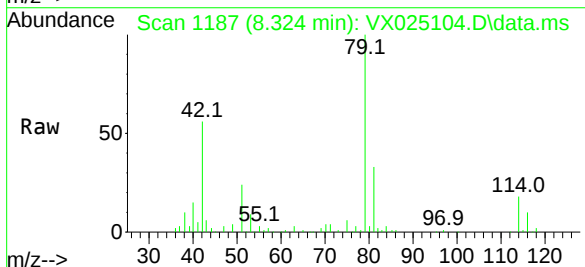
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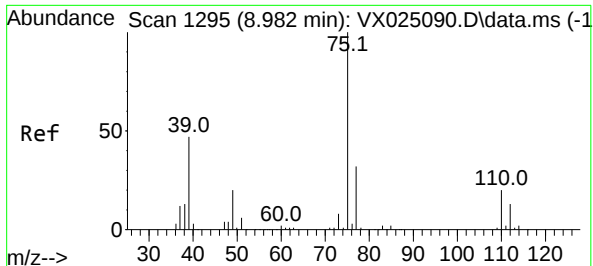
Tgt Ion: 75 Resp: 3930

Ion Ratio Lower Upper

75 100

77 41.9 23.1 42.9

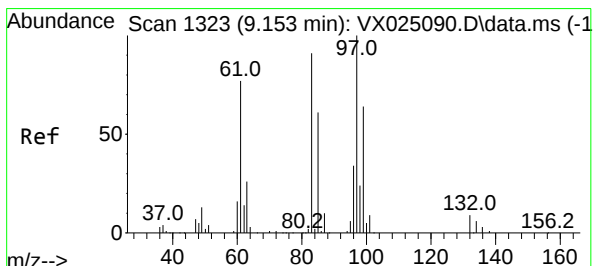
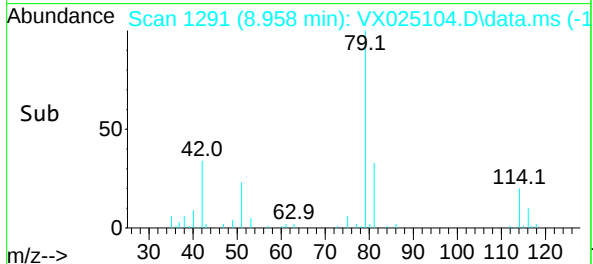
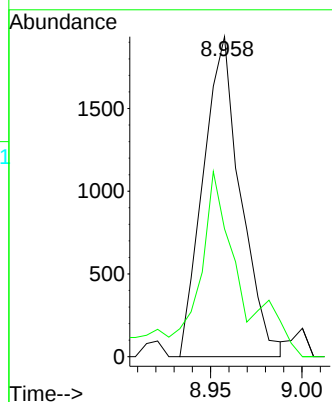
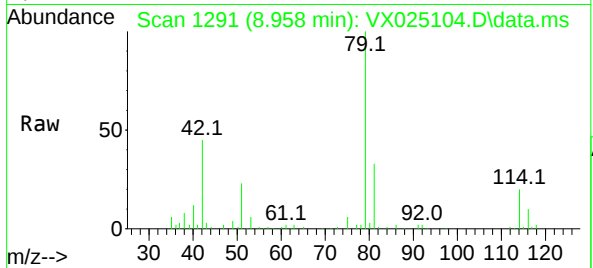




#44
trans-1,3-Dichloropropene
Concen: 1.138 ug/L
RT: 8.958 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX025104.D
Acq: 08 Nov 2021 18:40

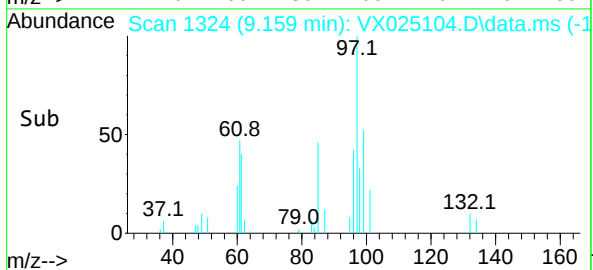
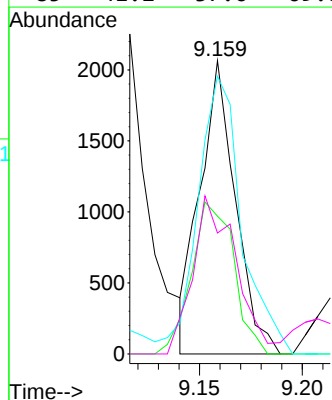
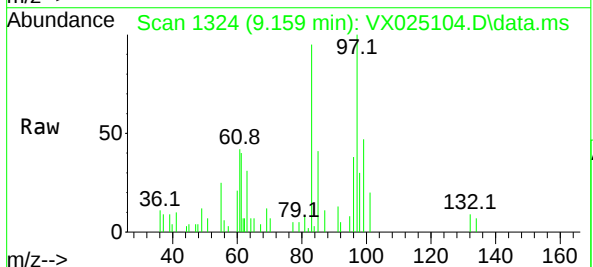
Instrument :
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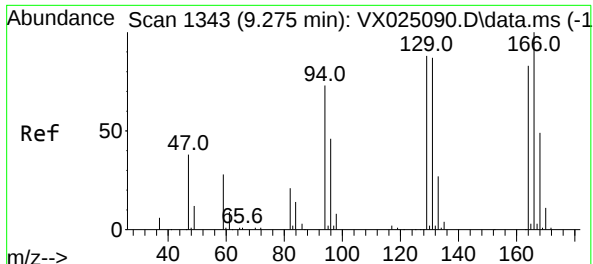
Tgt Ion: 75 Resp: 2763
Ion Ratio Lower Upper
75 100
77 40.0 23.4 43.6



#45
1,1,2-Trichloroethane
Concen: 1.785 ug/L
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX025104.D
Acq: 08 Nov 2021 18:40

Tgt Ion: 97 Resp: 2471
Ion Ratio Lower Upper
97 100
99 47.0 43.5 80.7
83 94.7 58.2 108.0
85 41.2 37.6 69.8

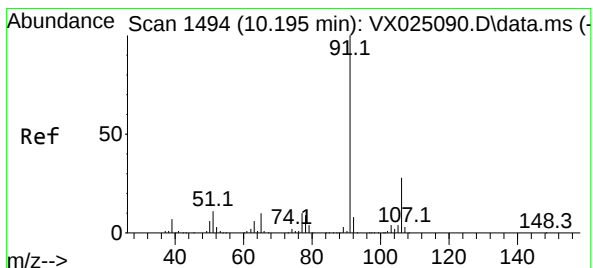
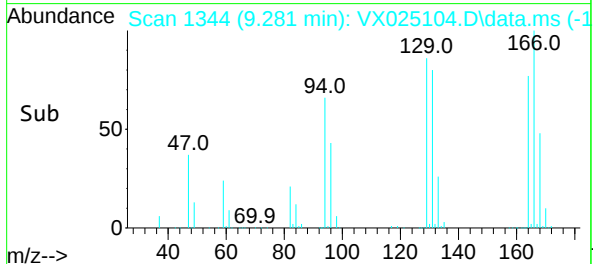
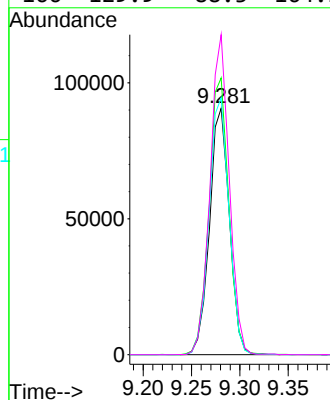
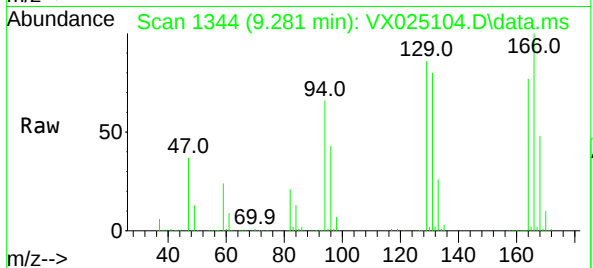




#46
Tetrachloroethene
Concen: 141.809 ug/L
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025104.D
Acq: 08 Nov 2021 18:40

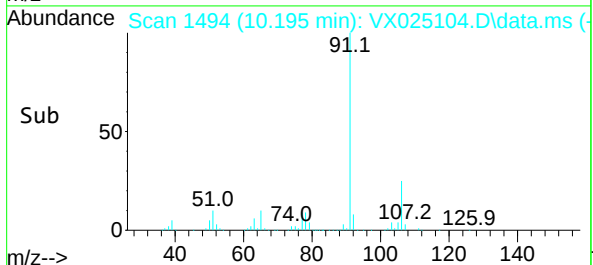
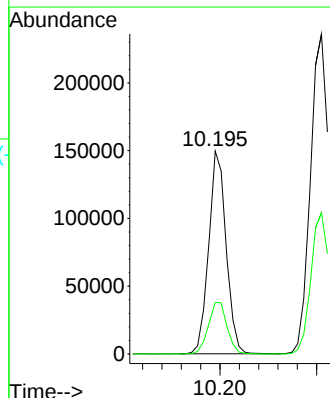
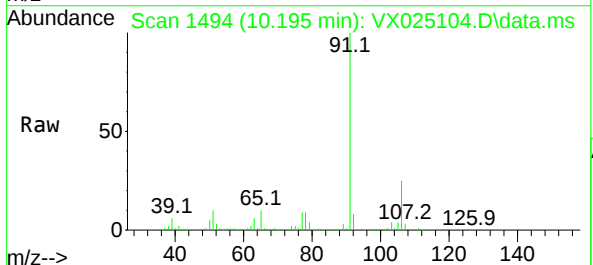
Instrument :
MSVOA_X
ClientSampleId :
GB7K5

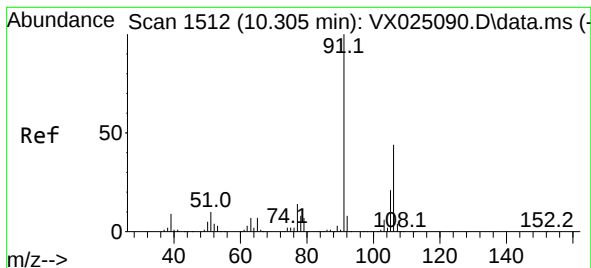
Tgt Ion:164 Resp: 129270
Ion Ratio Lower Upper
164 100
129 112.3 78.5 145.7
131 104.3 70.5 130.9
166 129.9 88.3 164.1



#52
Ethylbenzene
Concen: 28.384 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX025104.D
Acq: 08 Nov 2021 18:40

Tgt Ion: 91 Resp: 187755
Ion Ratio Lower Upper
91 100
106 25.4 20.2 37.6





#53

m,p-Xylene

Concen: 57.485 ug/L

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX025104.D

Acq: 08 Nov 2021 18:40

Instrument :

MSVOA_X

ClientSampleId :

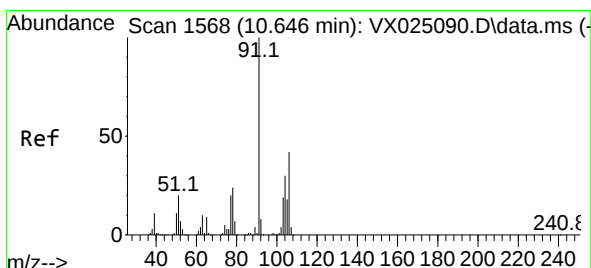
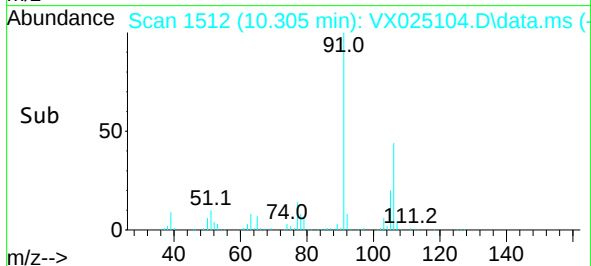
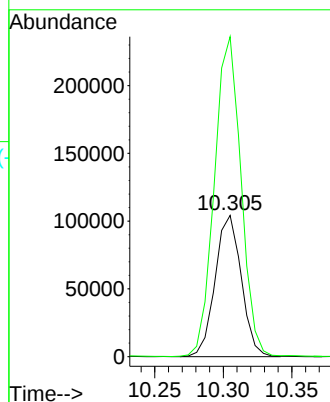
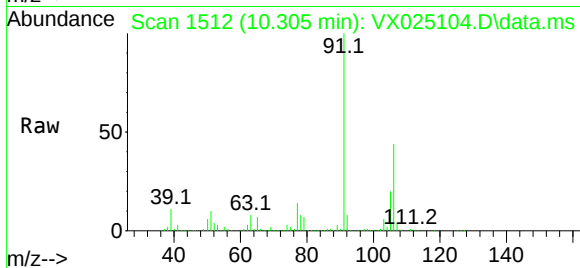
GB7K5

Tgt Ion:106 Resp: 138313

Ion Ratio Lower Upper

106 100

91 226.4 160.2 297.6



#54

o-Xylene

Concen: 22.627 ug/L

RT: 10.646 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VX025104.D

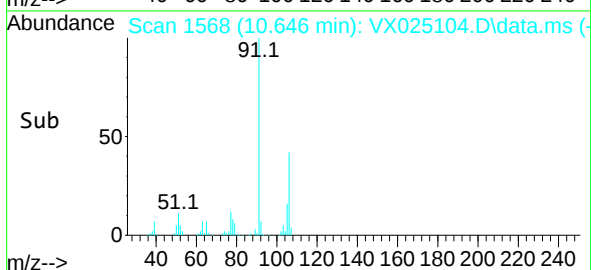
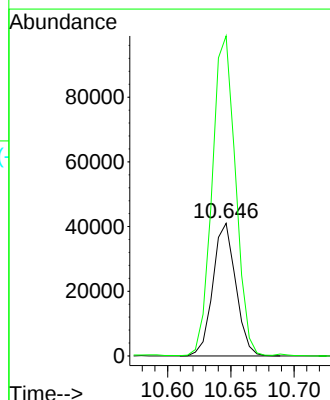
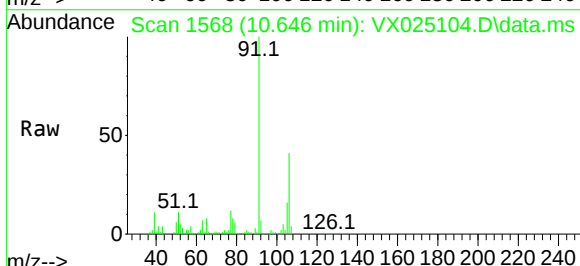
Acq: 08 Nov 2021 18:40

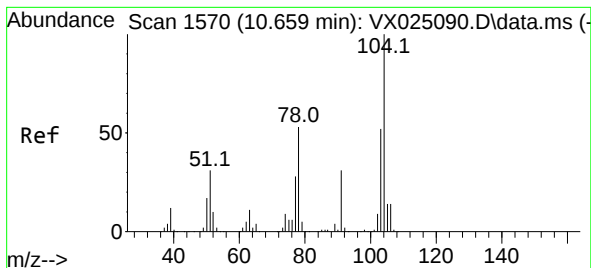
Tgt Ion:106 Resp: 51520

Ion Ratio Lower Upper

106 100

91 241.2 164.4 305.4





#55

Styrene

Concen: 0.759 ug/L

RT: 10.652 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX025104.D

Acq: 08 Nov 2021 18:40

Instrument :

MSVOA_X

ClientSampleId :

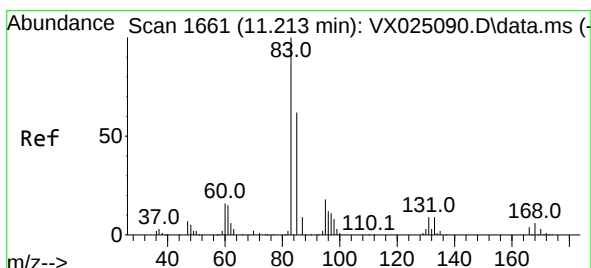
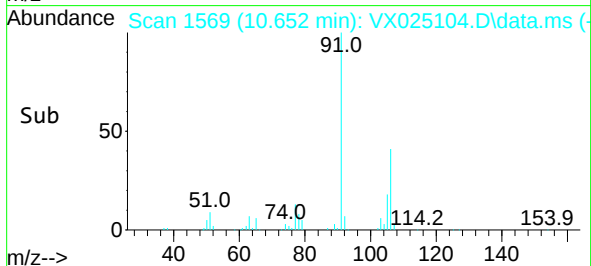
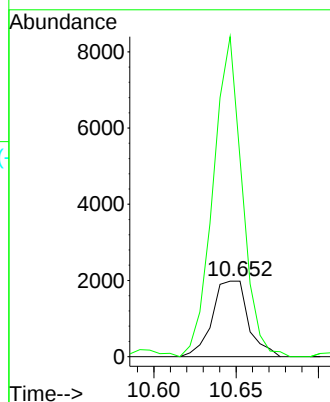
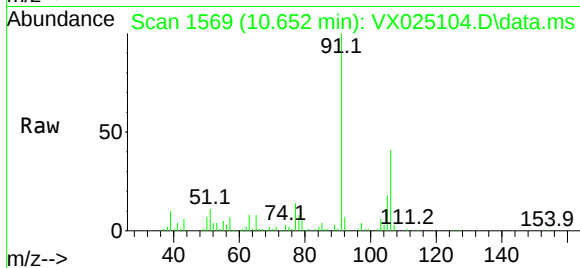
GB7K5

Tgt Ion:104 Resp: 3010

Ion Ratio Lower Upper

104 100

78 261.7 38.2 71.0#



#57

1,1,2,2-Tetrachloroethane

Concen: 8.248 ug/L

RT: 11.219 min Scan# 1662

Delta R.T. 0.006 min

Lab File: VX025104.D

Acq: 08 Nov 2021 18:40

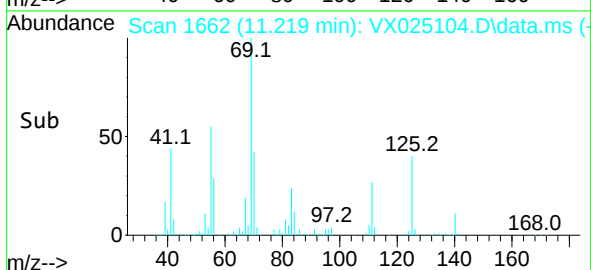
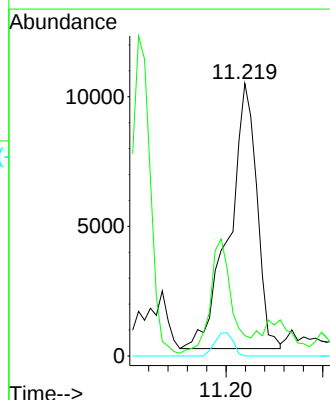
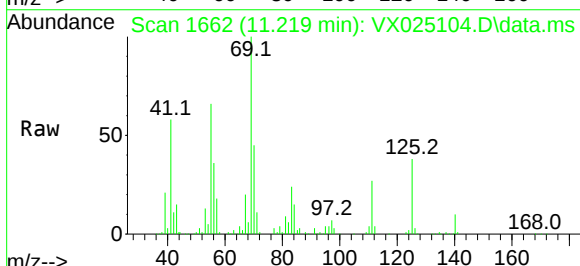
Tgt Ion: 83 Resp: 20422

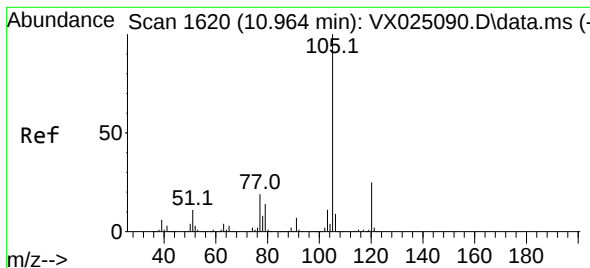
Ion Ratio Lower Upper

83 100

85 7.5 46.9 87.1#

131 0.0 8.7 13.1#





#60

Isopropylbenzene

Concen: 23.295 ug/L

RT: 11.384 min Scan# 1

Delta R.T. 0.420 min

Lab File: VX025104.D

Acq: 08 Nov 2021 18:40

Instrument :

MSVOA_X

ClientSampleId :

GB7K5

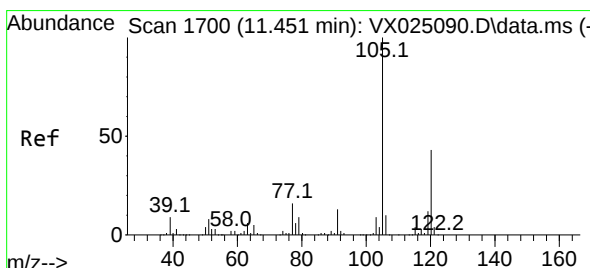
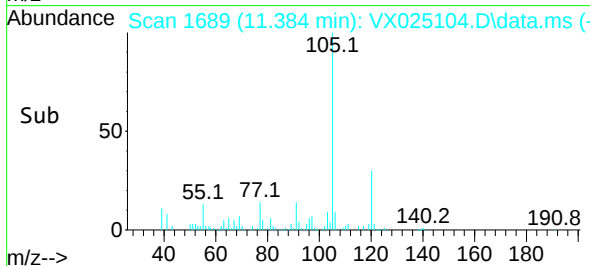
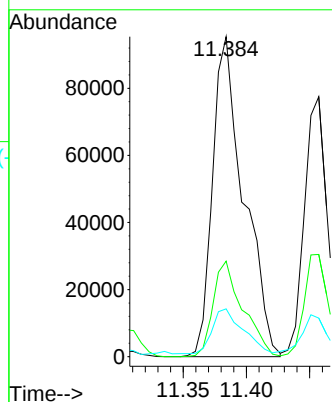
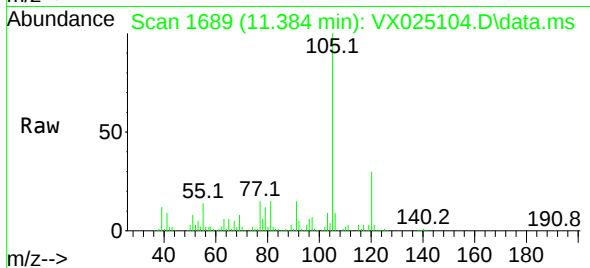
Tgt Ion:105 Resp: 163660

Ion Ratio Lower Upper

105 100

120 28.5 19.8 29.6

77 13.7 13.2 19.8



#62

1,3,5-Trimethylbenzene

Concen: 16.468 ug/L

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX025104.D

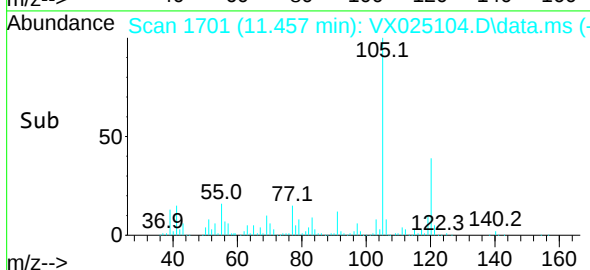
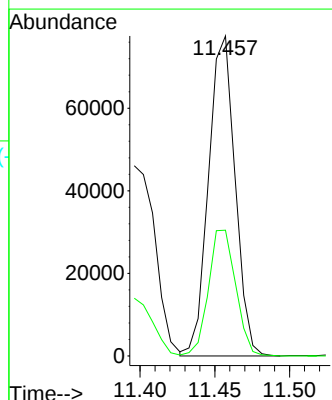
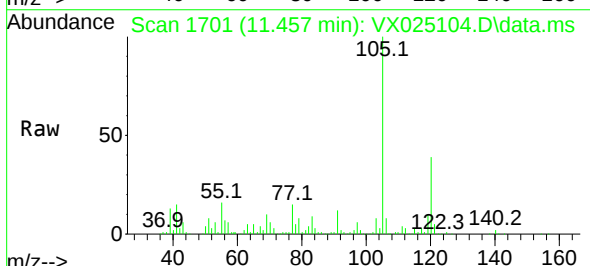
Acq: 08 Nov 2021 18:40

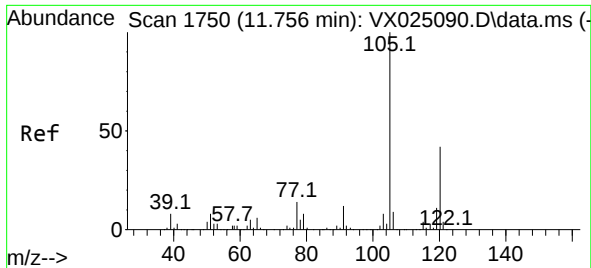
Tgt Ion:105 Resp: 95823

Ion Ratio Lower Upper

105 100

120 40.5 34.4 51.6

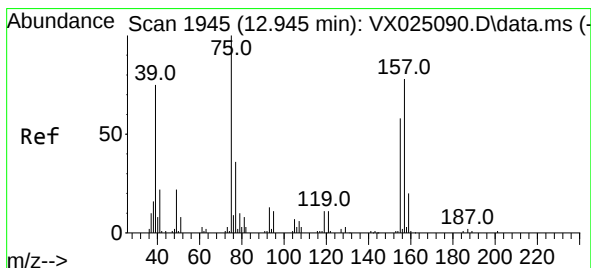
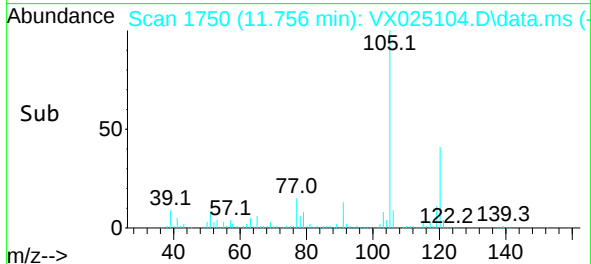
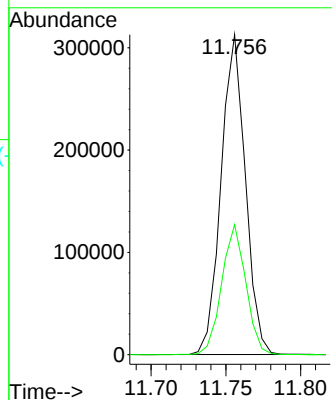
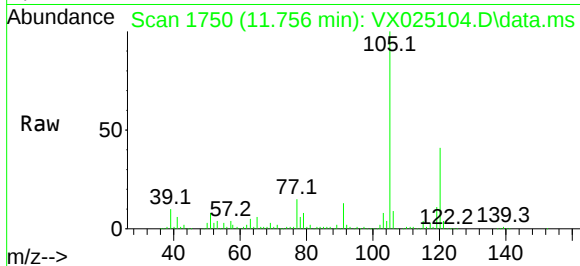




#63
 1,2,4-Trimethylbenzene
 Concen: 61.865 ug/L
 RT: 11.756 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX025104.D
 Acq: 08 Nov 2021 18:40

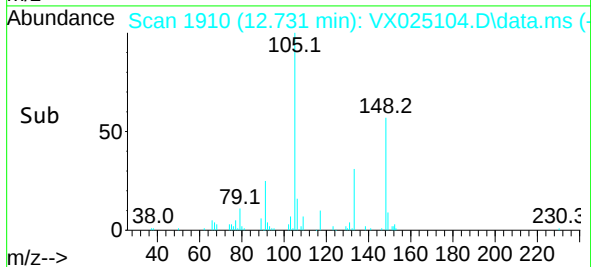
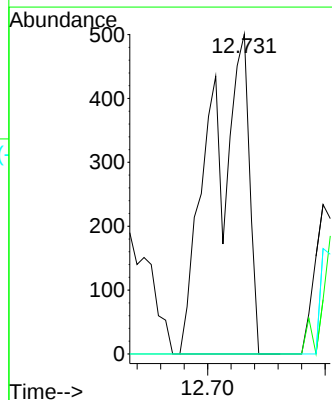
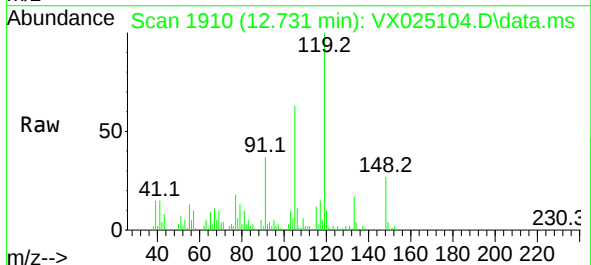
Instrument :
 MSVOA_X
 ClientSampleId :
 GB7K5

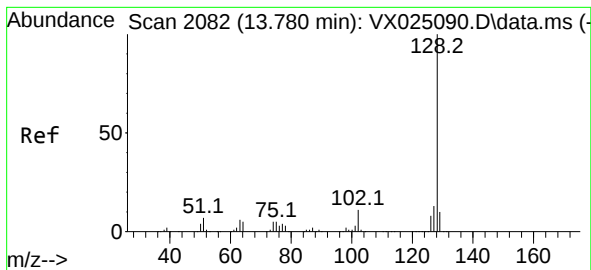
Tgt Ion:105 Resp: 353036
 Ion Ratio Lower Upper
 105 100
 120 40.2 31.0 46.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.739 ug/L
 RT: 12.731 min Scan# 1910
 Delta R.T. -0.214 min
 Lab File: VX025104.D
 Acq: 08 Nov 2021 18:40

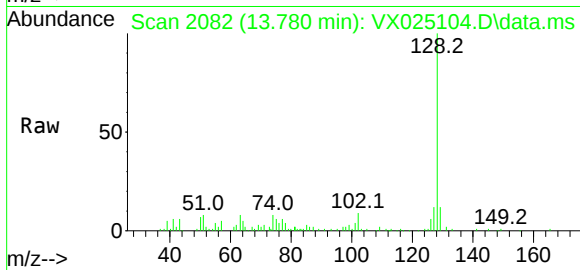
Tgt Ion: 75 Resp: 1104
 Ion Ratio Lower Upper
 75 100
 155 0.0 59.3 88.9#
 157 0.0 68.7 103.1#





#71
Naphthalene
Concen: 4.896 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025104.D
Acq: 08 Nov 2021 18:40

Instrument :
MSVOA_X
ClientSampleId :
GB7K5



Tgt Ion:128 Resp: 27520
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.8 9.1 13.7

