

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100520\
 Data File : VX018772.D
 Acq On : 05 Oct 2020 17:54
 Operator : JC/SP
 Sample : L4239-03DL 100X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 BG3N2DL

Manual Integrations
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 10/7/2020 11:01:25 AM

Quant Time: Oct 06 03:13:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 02:55:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	150152	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	143222	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	72179	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	41738	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.70	69	35714	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.34	63	72888	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.56	46	141338	61.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.86%
24) Chloroform-d	5.14	84	100946	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	6.03	65	58305	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	6.04	84	191434	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	7.37	67	58101	5.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.00%
41) Toluene-d8	8.70	98	171991	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
45) trans-1,3-Dichloropropene-	8.99	79	25791	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
48) 2-Hexanone-d5	9.43	63	114558	61.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.48%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	45863	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.60%
65) 1,2-Dichlorobenzene-d4	12.36	152	73602	5.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	3964	0.489	ug/L #	81
8) Chloroethane	1.71	64	719m	0.146	ug/L	
12) 1,1-Dichloroethene	2.36	96	3918	0.524	ug/L #	1
16) Methylene chloride	2.83	84	3974	0.438	ug/L	93
18) trans-1,2-Dichloroethene	3.14	96	1726	0.216	ug/L #	66
19) 1,1-Dichloroethane	3.67	63	45238	3.177	ug/L	99
22) cis-1,2-Dichloroethene	4.56	96	179880	21.779	ug/L #	93
29) 1,1,1-Trichloroethane	5.46	97	299108	17.654	ug/L	99
30) Cyclohexane	5.55	56	15513	1.320	ug/L	96
42) Toluene	8.76	91	2059424	62.752	ug/L	97
53) Chlorobenzene	10.12	112	6389	0.285	ug/L	92
54) Ethylbenzene	10.23	91	163762	4.451	ug/L	96
55) m,p-xylene	10.34	106	257169	17.921	ug/L	100
56) o-xylene	10.68	106	123076	9.281	ug/L	97
58) Isopropylbenzene	11.00	105	42635	1.148	ug/L	98
63) 1,3-Dichlorobenzene	12.01	146	1437	0.082	ug/L	87
64) 1,4-Dichlorobenzene	12.08	146	1852	0.106	ug/L	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 06 02:55:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dichlorobenzene	12.38	146	8176	0.499	ug/L #	82

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

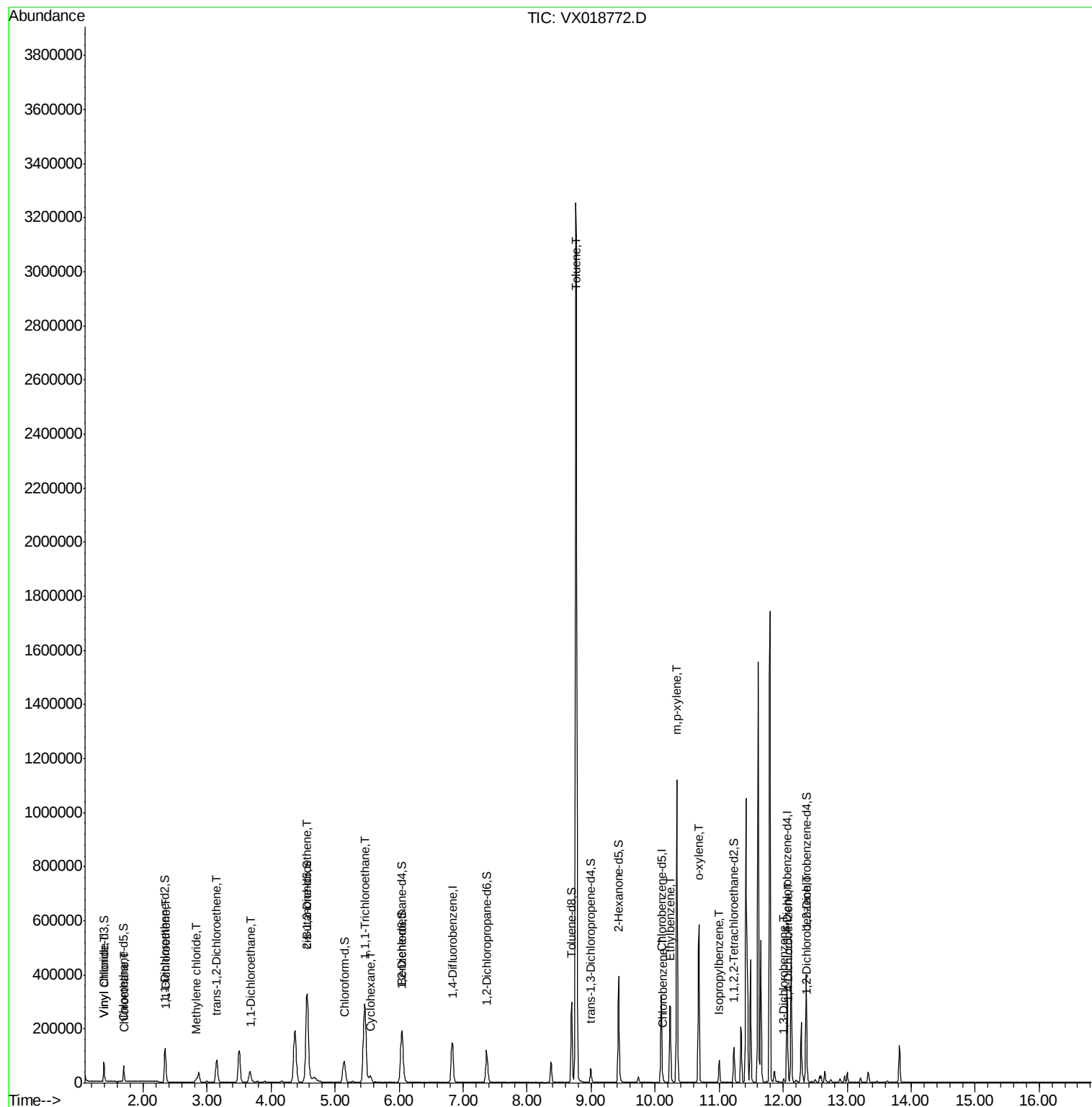
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
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Operator : JC/SP
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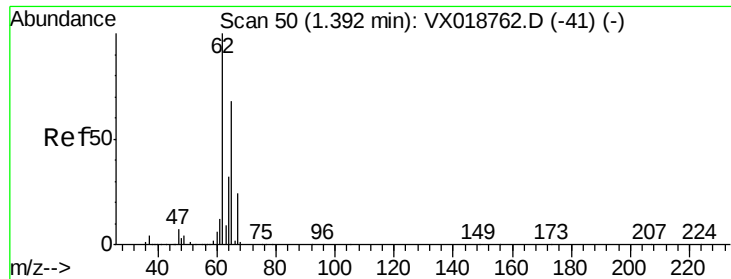
Instrument :
MSVOA_X
ClientSampleId :
BG3N2DL

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 06 02:55:01 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.489 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018772.D

Acq: 05 Oct 2020 17:54

Instrument :

MSVOA_X

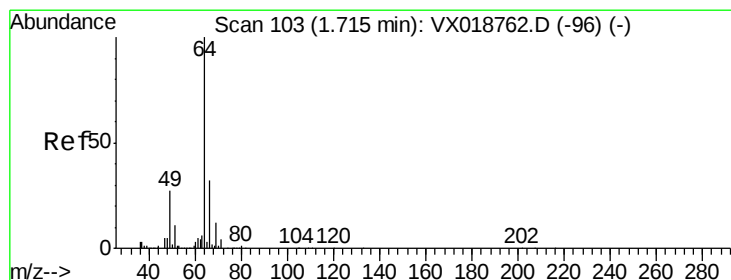
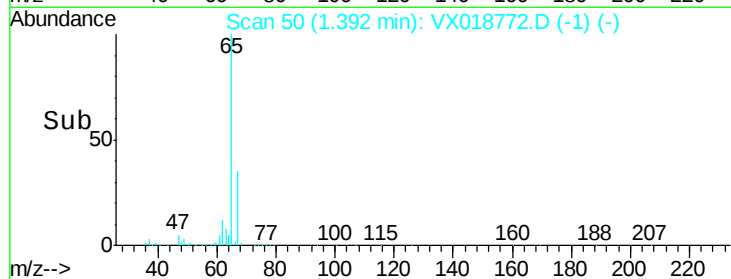
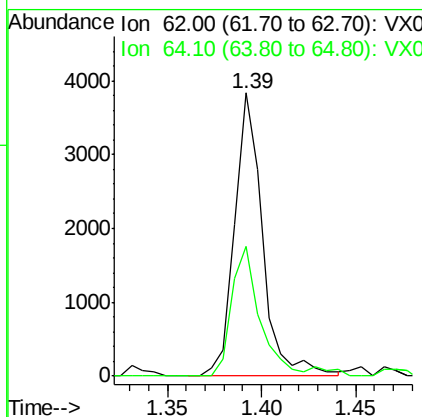
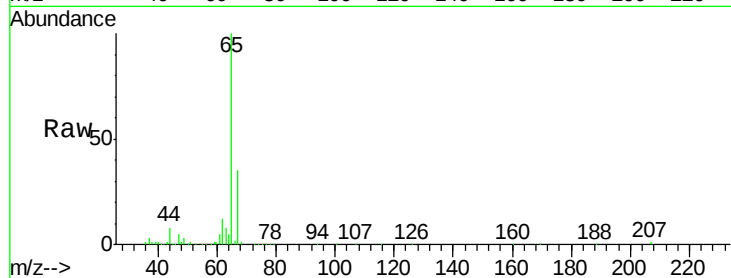
ClientSampled :

BG3N2DL

Tot Ion	Ratio	Lower	Upper
62	100		
64	45.8	24.3	45.1#

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#8

Chloroethane

Concen: 0.146 ug/L m

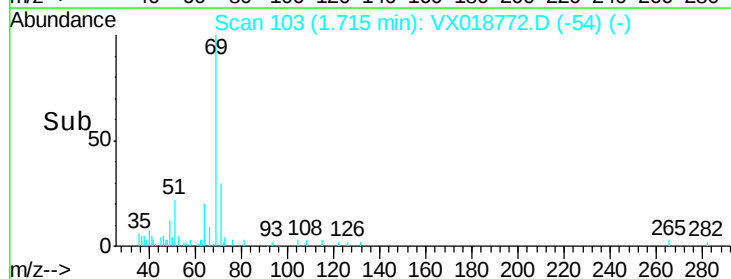
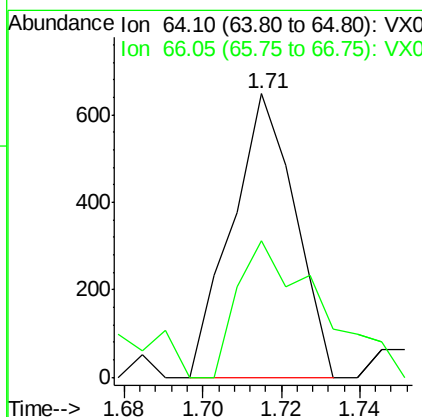
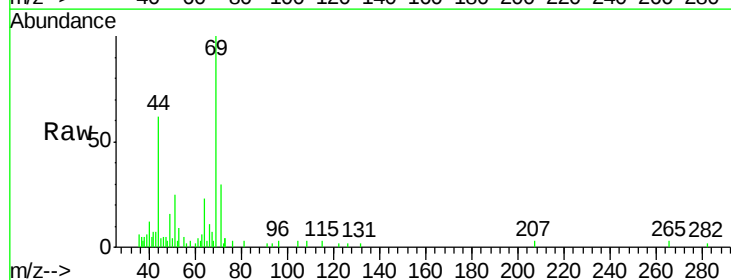
RT: 1.71 min Scan# 103

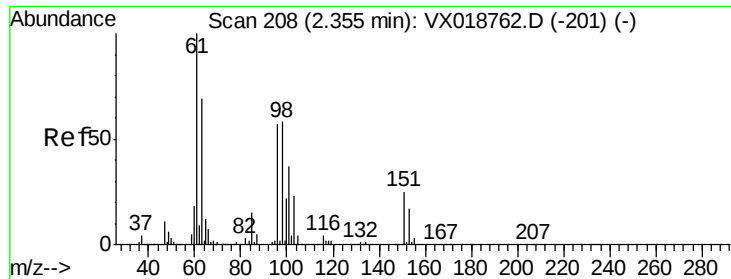
Delta R.T. -0.00 min

Lab File: VX018772.D

Acq: 05 Oct 2020 17:54

Tgt Ion	Ratio	Lower	Upper
64	100		
66	48.3	21.5	39.9#





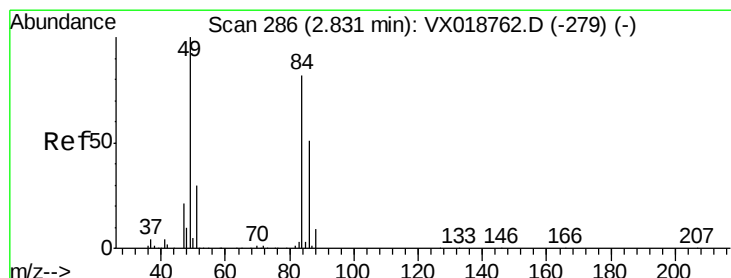
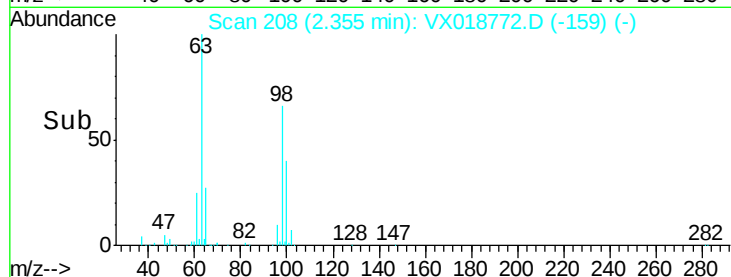
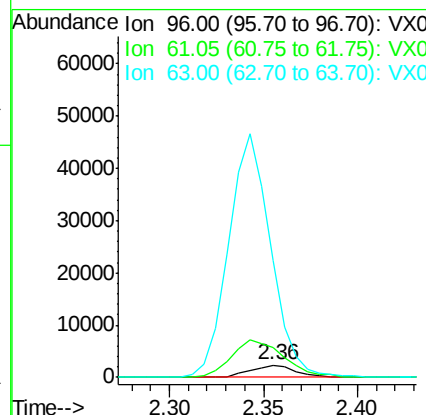
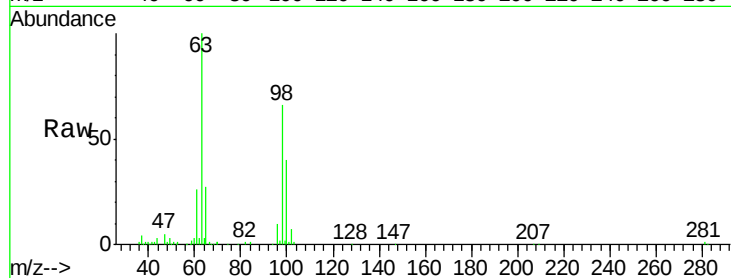
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1,1-Dichloroethene
Concen: 0.524 ug/L
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX018772.D
Acq: 05 Oct 2020 17:54

Instrument :
MSVOA_X
ClientSampleId :
BG3N2DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	251.2	133.2	247.4#
63	975.8	115.1	213.7#

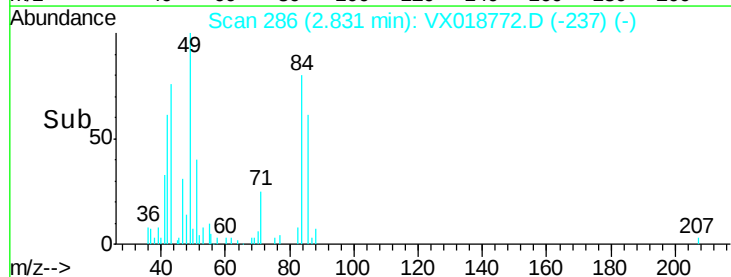
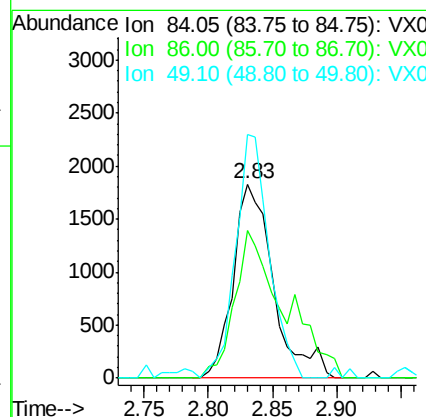
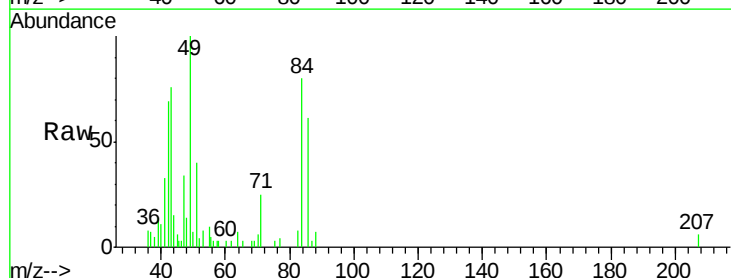
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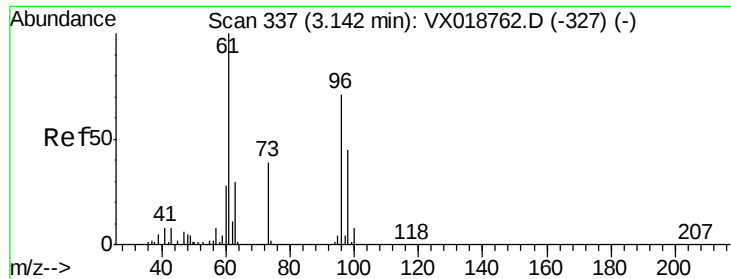
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#16
Methylene chloride
Concen: 0.438 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX018772.D
Acq: 05 Oct 2020 17:54

Tgt Ion	Ratio	Lower	Upper
84	100		
86	76.2	45.6	84.8
49	125.6	85.8	159.3





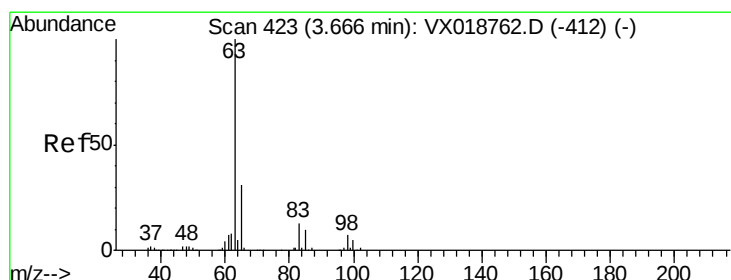
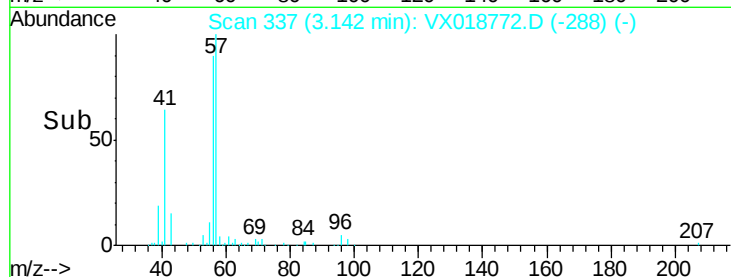
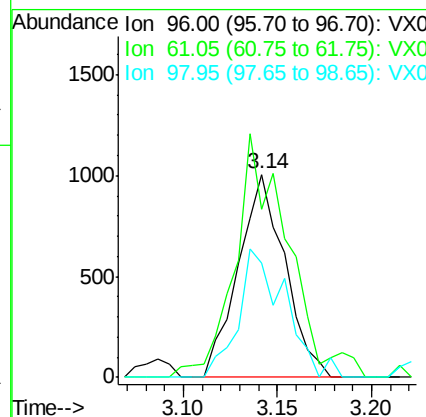
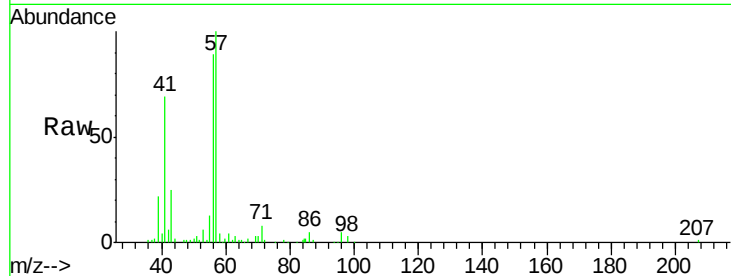
#18
trans-1,2-Dichloroethene
Concen: 0.216 ug/L
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX018772.D
Acq: 05 Oct 2020 17:54

Instrument :
MSVOA_X
ClientSampleId :
BG3N2DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	82.6	97.6	181.4#
98	56.6	43.1	80.1

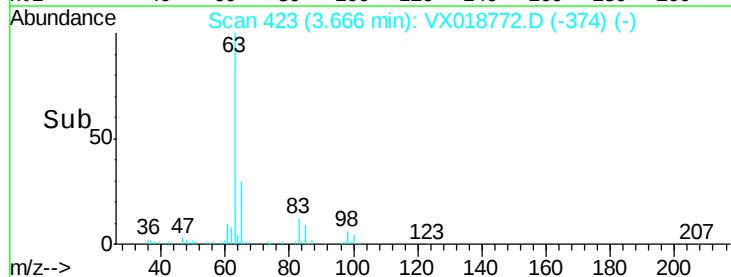
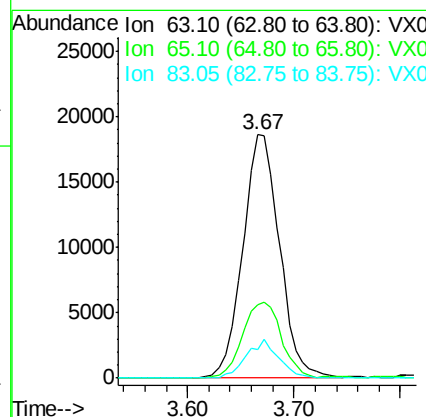
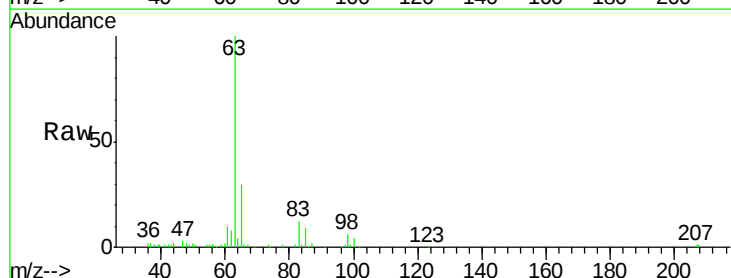
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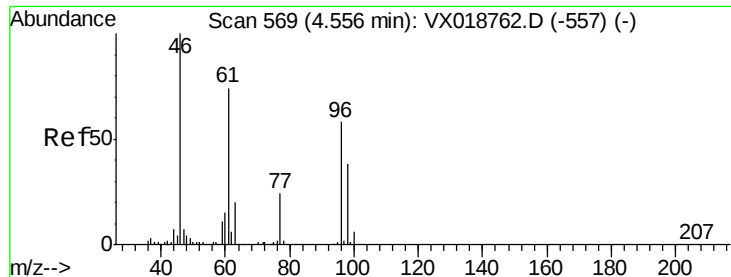
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#19
1,1-Dichloroethane
Concen: 3.177 ug/L
RT: 3.67 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX018772.D
Acq: 05 Oct 2020 17:54

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.4	21.6	40.2
83	12.0	8.7	16.1





#22

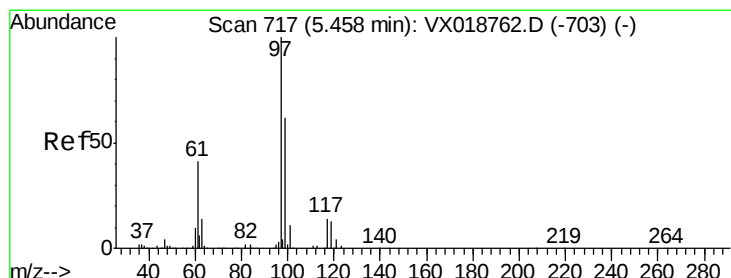
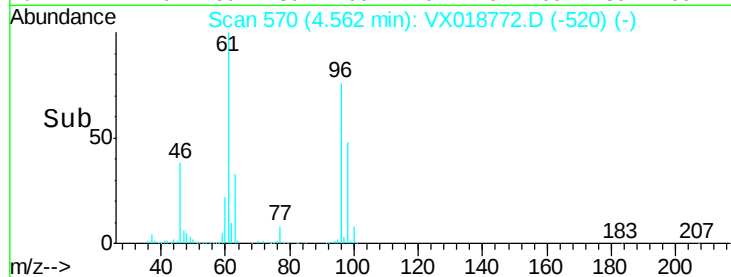
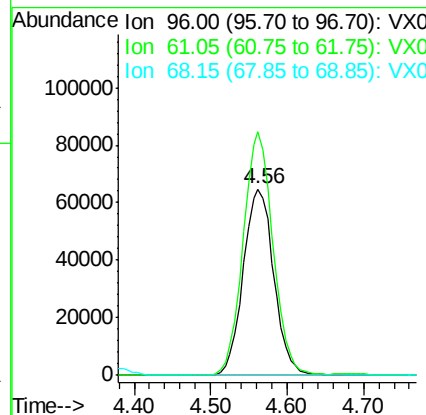
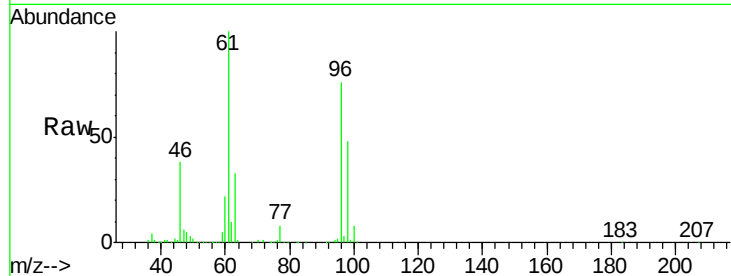
cis-1,2-Dichloroethene
 Concen: 21.779 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX018772.D
 Acq: 05 Oct 2020 17:54

Instrument :
 MSVOA_X
 ClientSampled :
 BG3N2DL

Tot Ion	Ratio	Resp	Lower	Upper
96	100	179880		
61	130.8	86.2	160.0	
68	0.2	0.3	0.7#	

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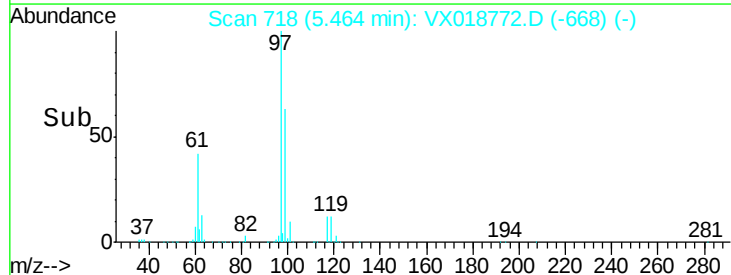
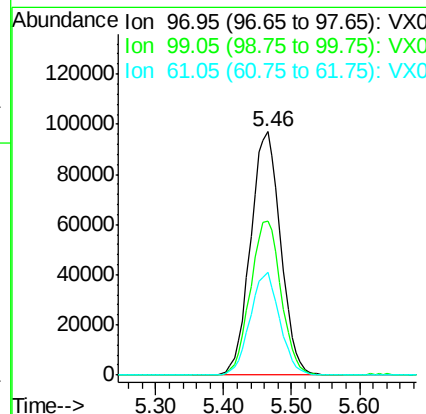
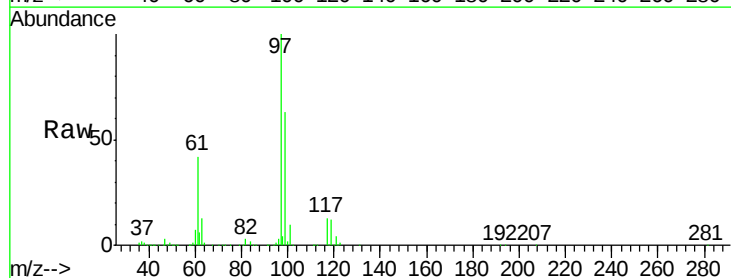
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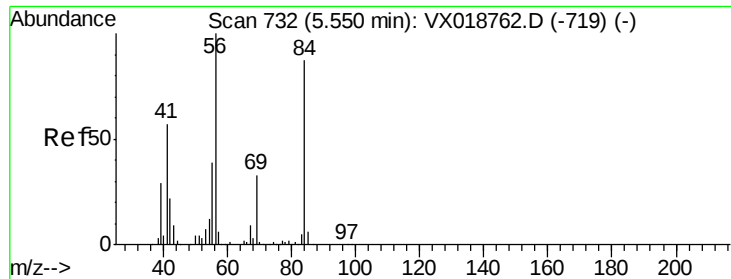


#29

1,1,1-Trichloroethane
 Concen: 17.654 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX018772.D
 Acq: 05 Oct 2020 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	299108		
99	64.6	51.3	76.9	
61	41.4	33.3	49.9	





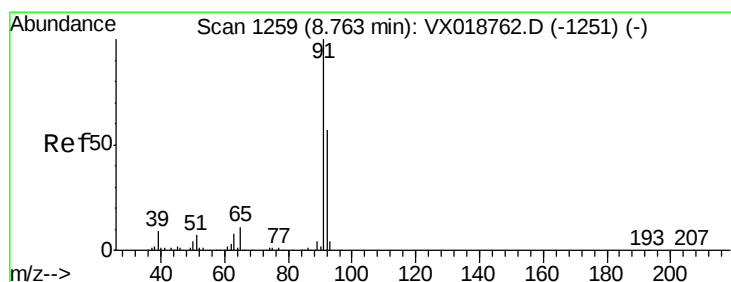
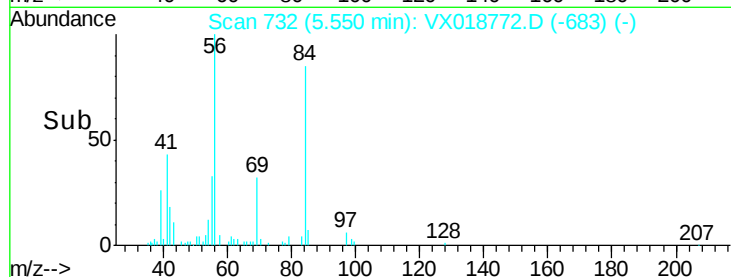
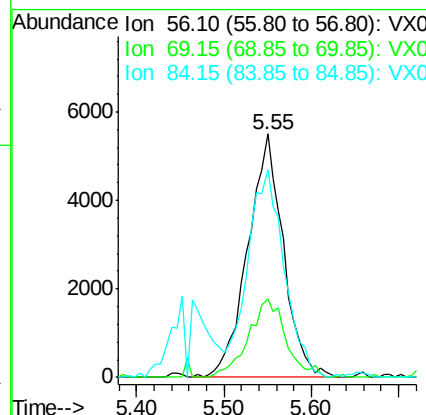
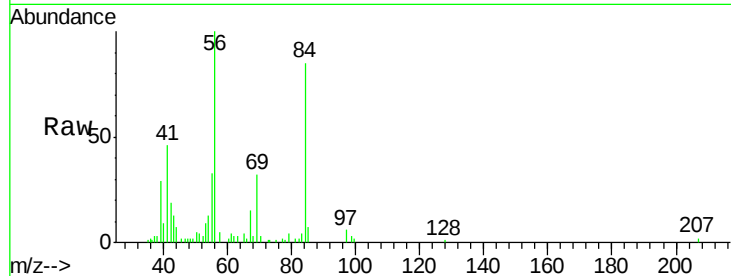
#30
Cyclohexane
Concen: 1.320 ug/L
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX018772.D
Acq: 05 Oct 2020 17:54

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BG3N2DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	26.0	39.0
84	88.0	73.8	110.6

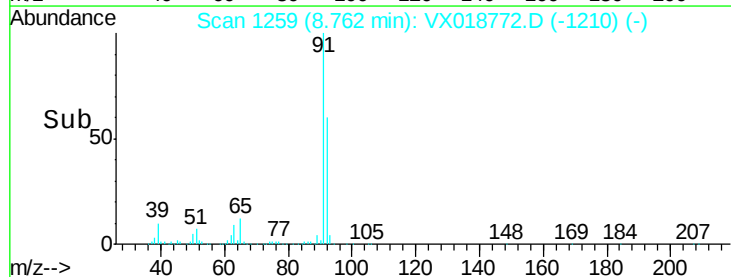
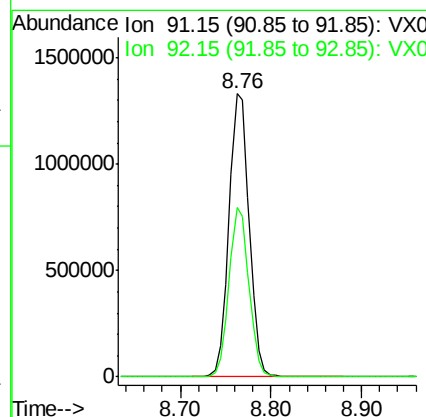
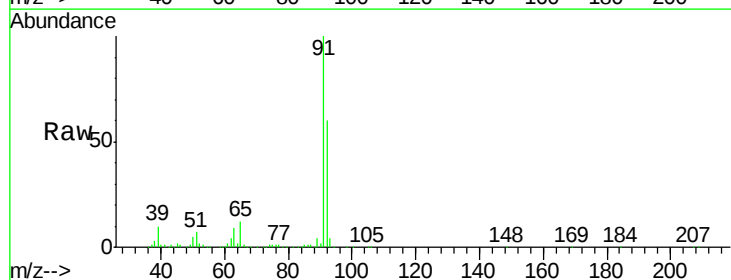
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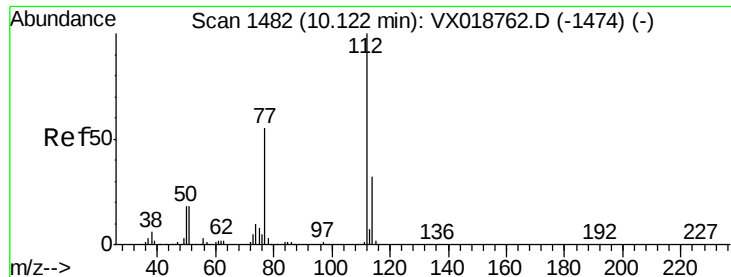
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#42
Toluene
Concen: 62.752 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX018772.D
Acq: 05 Oct 2020 17:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.8	40.3	74.9





#53

Chlorobenzene

Concen: 0.285 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018772.D

Acq: 05 Oct 2020 17:54

Instrument :

MSVOA_X

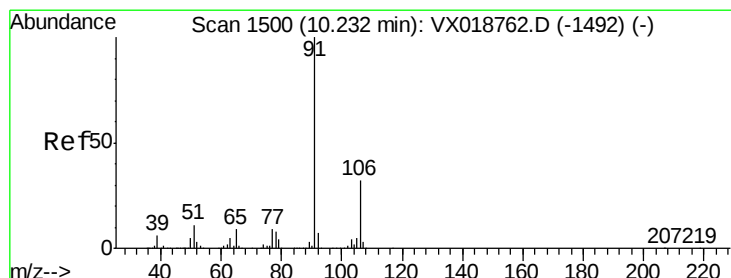
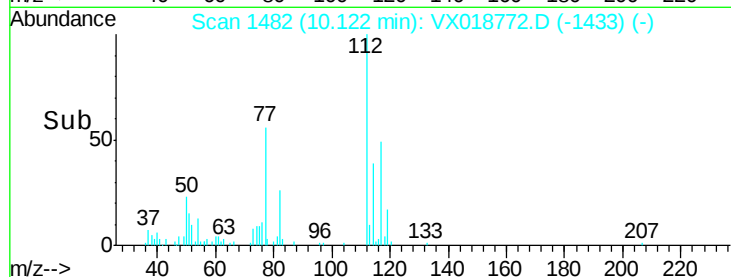
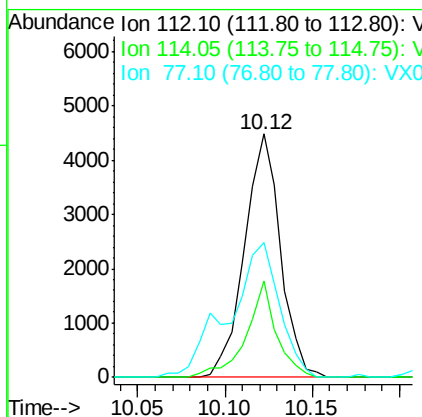
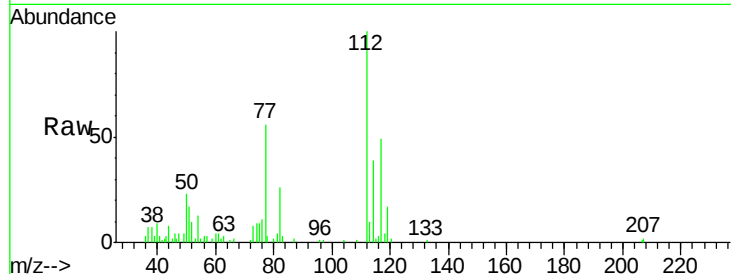
ClientSampleId :

BG3N2DL

Tot Ion:	112	Resp:	6389
Ion Ratio	Lower	Upper	
112	100		
114	39.5	21.3	39.5
77	55.5	42.4	63.6

Manual Integrations
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#54

Ethylbenzene

Concen: 4.451 ug/L

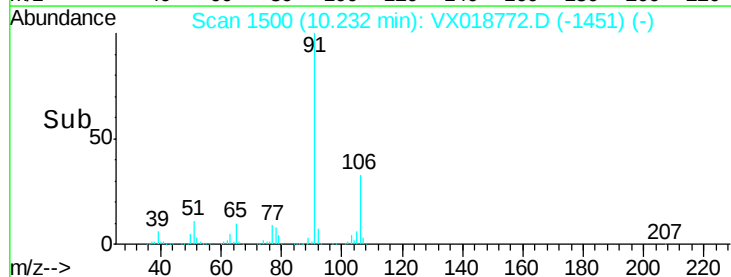
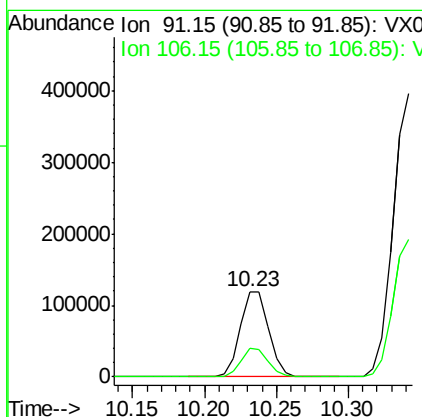
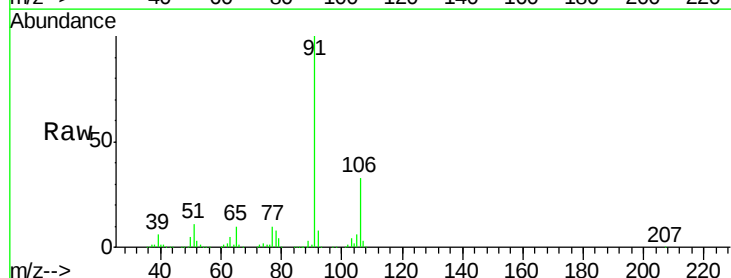
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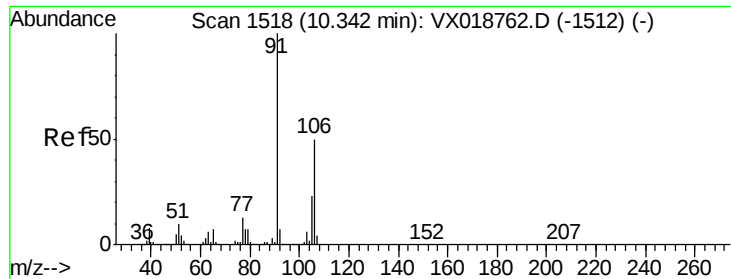
Delta R.T. -0.00 min

Lab File: VX018772.D

Acq: 05 Oct 2020 17:54

Tgt Ion:	91	Resp:	163762
Ion Ratio	Lower	Upper	
91	100		
106	32.9	21.5	39.9





#55

m,p-xylene

Concen: 17.921 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018772.D

Acq: 05 Oct 2020 17:54

Instrument :

MSVOA_X

ClientSampled :

BG3N2DL

Tot Ion:106 Resp: 257169

Ion Ratio Lower Upper

106 100

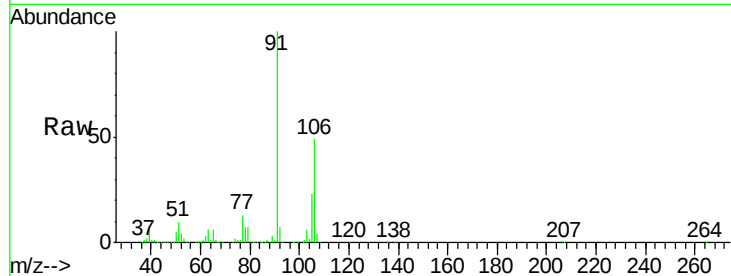
91 205.5 143.4 266.2

Manual Integrations

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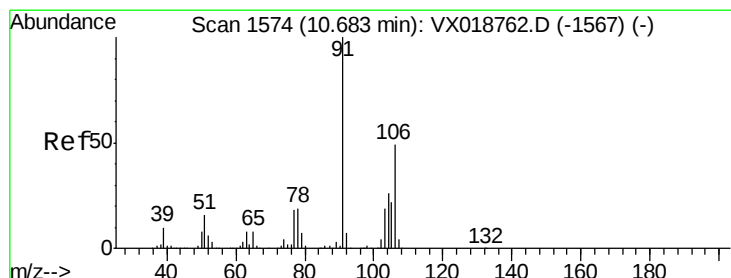
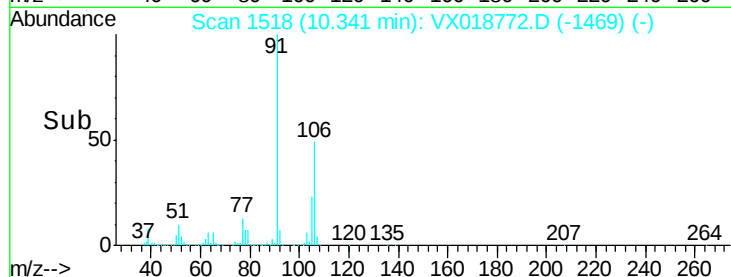
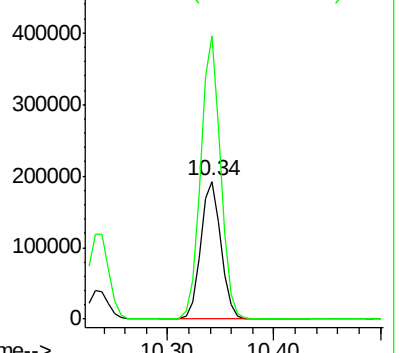
MMDadoda

10/7/2020 11:01:25 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 9.281 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018772.D

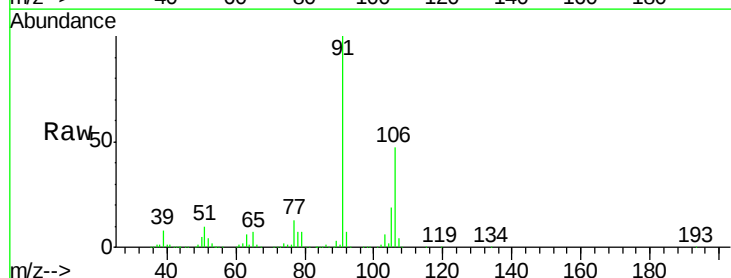
Acq: 05 Oct 2020 17:54

Tgt Ion:106 Resp: 123076

Ion Ratio Lower Upper

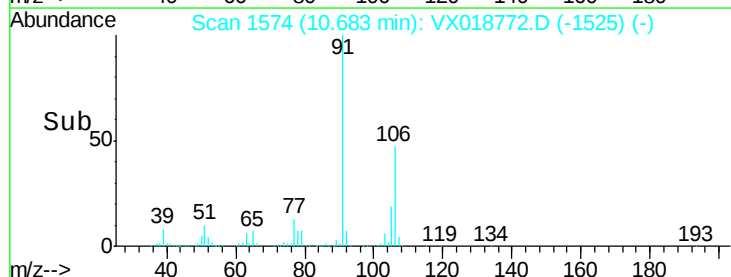
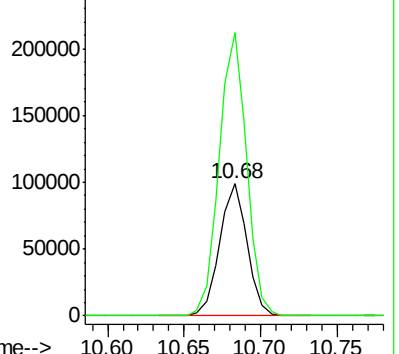
106 100

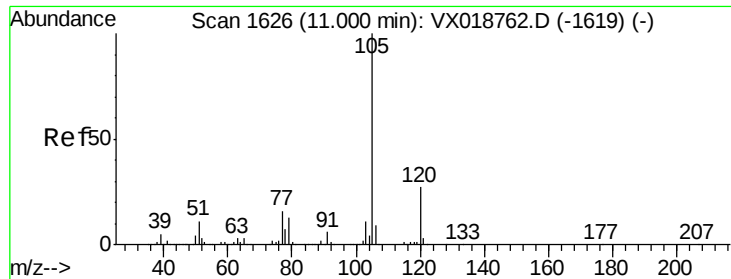
91 214.3 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 1.148 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018772.D

Acq: 05 Oct 2020 17:54

Instrument :

MSVOA_X

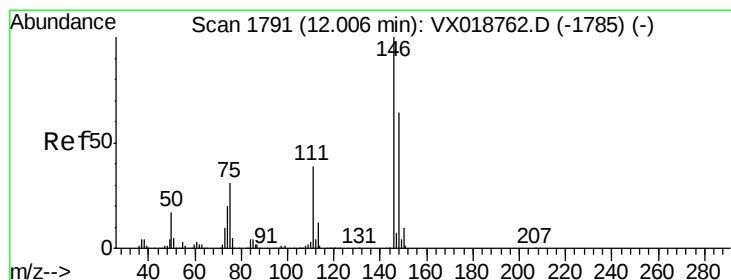
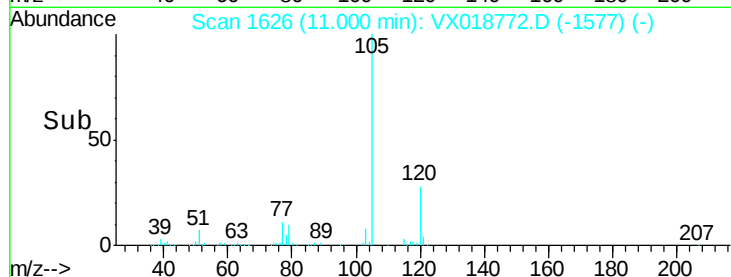
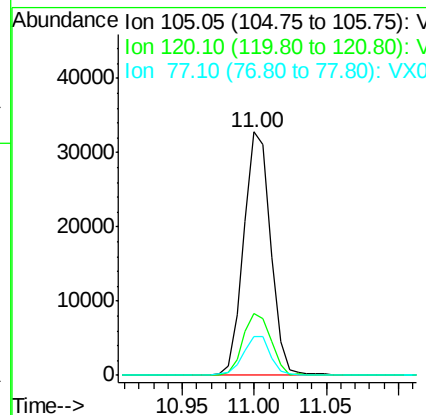
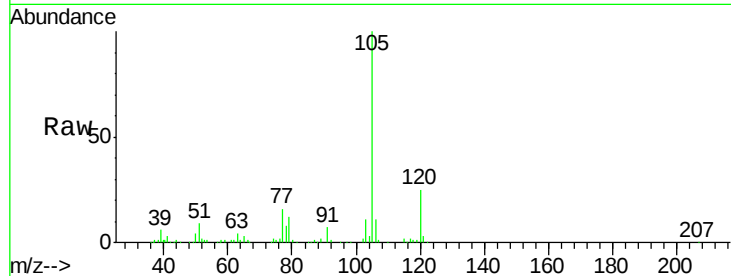
ClientSampleId :

BG3N2DL

Tot Ion:	105	Resp:	42635
Ion Ratio	Lower	Upper	
105	100		
120	26.4	20.2	30.2
77	16.3	13.3	19.9

Manual Integrations
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#63

1,3-Dichlorobenzene

Concen: 0.082 ug/L

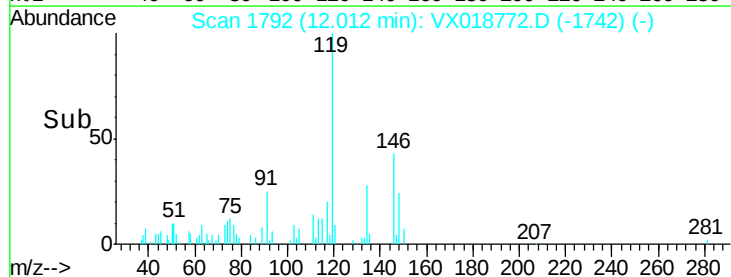
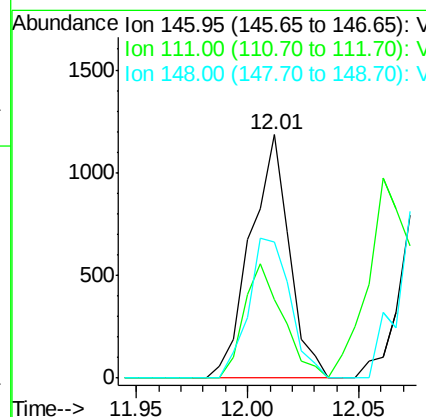
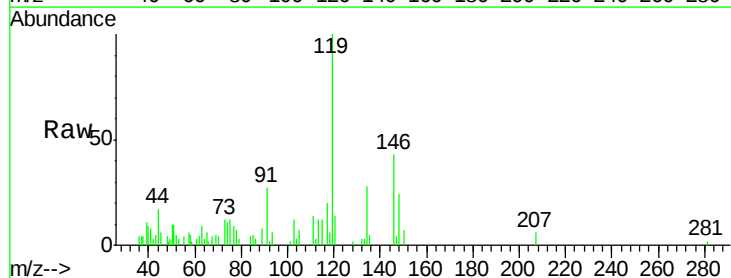
RT: 12.01 min Scan# 1792

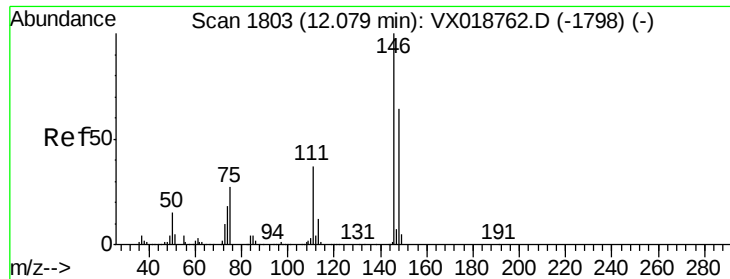
Delta R.T. 0.01 min

Lab File: VX018772.D

Acq: 05 Oct 2020 17:54

Tgt Ion:	146	Resp:	1437
Ion Ratio	Lower	Upper	
146	100		
111	32.3	28.4	52.8
148	55.7	45.9	85.3





#64

1,4-Dichlorobenzene

Concen: 0.106 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX018772.D

Acq: 05 Oct 2020 17:54

Instrument :

MSVOA_X

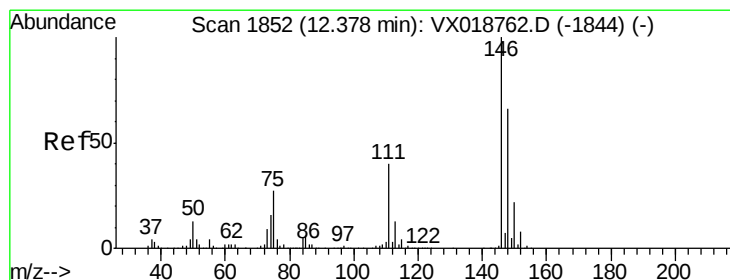
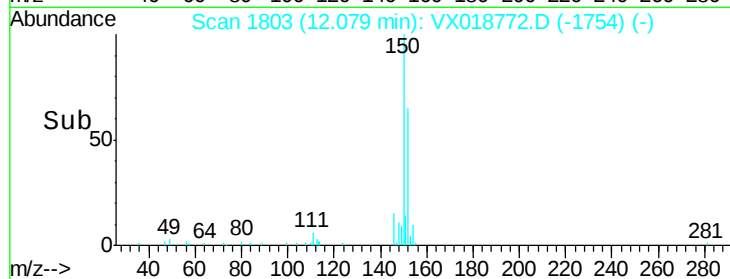
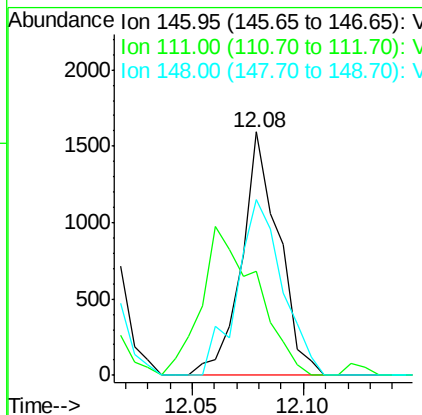
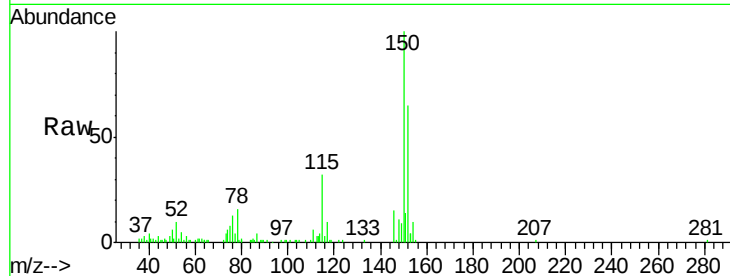
ClientSampleId :

BG3N2DL

Tot Ion:	146	Resp:	1852
Ion	Ratio	Lower	Upper
146	100		
111	42.8	28.6	53.2
148	72.1	44.2	82.0

Manual Integrations
APPROVED

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#66

1,2-Dichlorobenzene

Concen: 0.499 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX018772.D

Acq: 05 Oct 2020 17:54

Tgt Ion:	146	Resp:	8176
Ion	Ratio	Lower	Upper
146	100		
111	46.0	31.7	47.5
148	78.2	49.0	73.6#

