

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100820\
 Data File : VX018838.D
 Acq On : 08 Oct 2020 14:57
 Operator : JC/SP
 Sample : L4239-05DL 100X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 BG3N5DL

Manual Integrations
 APPROVED

MMDadoda
 10/10/2020 10:24:34 AM

Quant Time: Oct 09 05:42:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 04:43:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	144738	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	141972	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	75388	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	31809	3.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.20%
7) Chloroethane-d5	1.70	69	30757	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.34	63	58349	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	4.56	46	145983	65.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.66%#
24) Chloroform-d	5.14	84	92563	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	6.03	65	55985	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	6.05	84	164747	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	7.37	67	53286	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	8.70	98	143405	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
45) trans-1,3-Dichloropropene-	8.99	79	23926	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
48) 2-Hexanone-d5	9.43	63	112348	61.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.18%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	44874	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	68480	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	1550	0.198	ug/L #	1
12) 1,1-Dichloroethene	2.36	96	1433	0.199	ug/L #	1
16) Methylene chloride	2.83	84	2898	0.331	ug/L	91
18) trans-1,2-Dichloroethene	3.14	96	1008	0.131	ug/L #	76
19) 1,1-Dichloroethane	3.67	63	15234	1.110	ug/L	97
22) cis-1,2-Dichloroethene	4.56	96	99877	12.545	ug/L #	88
29) 1,1,1-Trichloroethane	5.46	97	145493	8.663	ug/L	98
30) Cyclohexane	5.55	56	8956	0.769	ug/L	95
34) Trichloroethene	7.21	95	944m	0.108	ug/L	
42) Toluene	8.76	91	1029909	31.658	ug/L	100
53) Chlorobenzene	10.12	112	3053	0.137	ug/L	90
54) Ethylbenzene	10.23	91	95477	2.618	ug/L	98
55) m,p-xylene	10.34	106	154835	10.885	ug/L	97
56) o-xylene	10.68	106	75222	5.722	ug/L	99
58) Isopropylbenzene	11.00	105	31997	0.869	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	4791	0.280	ug/L	94
69) 1,2,4-trichlorobenzene	13.63	180	3021	0.258	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 09 04:43:33 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

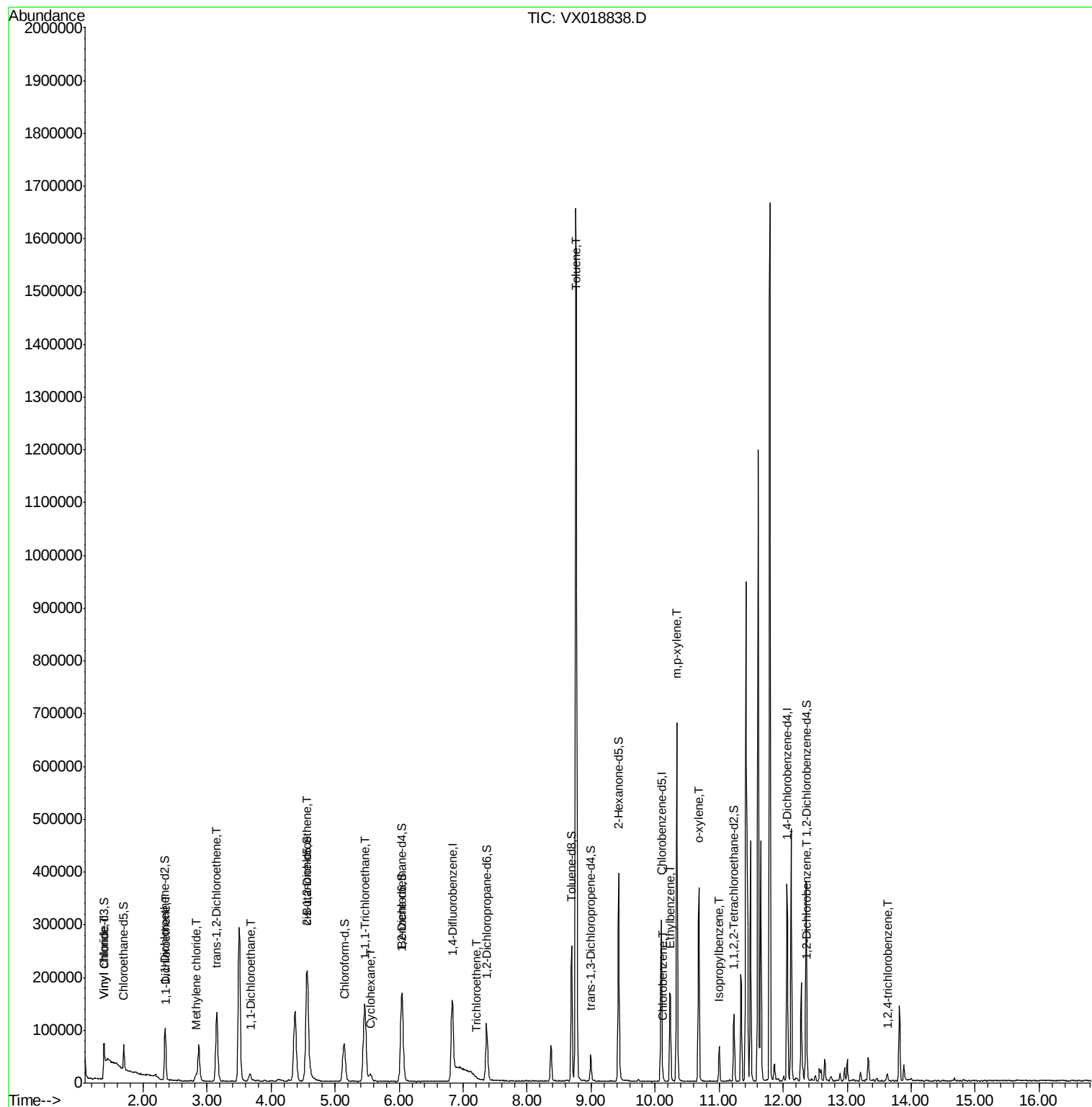
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100820\
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Operator : JC/SP
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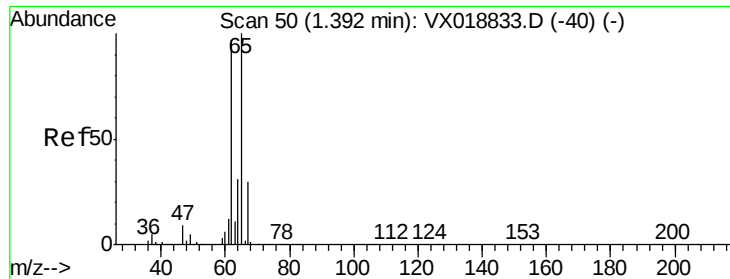
Instrument :
MSVOA_X
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BG3N5DL

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.198 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018838.D

Acq: 08 Oct 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

BG3N5DL

Tot Ion: 62 Resp: 1550

Ion Ratio Lower Upper

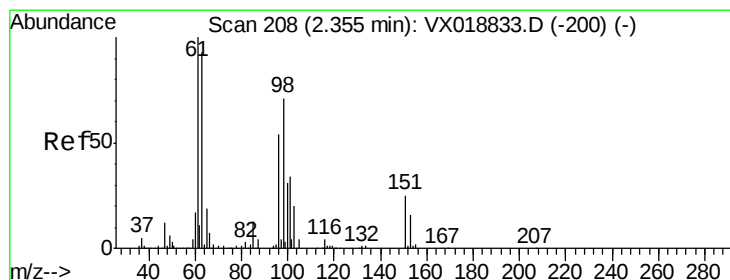
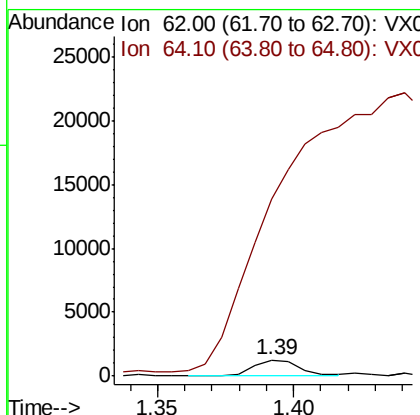
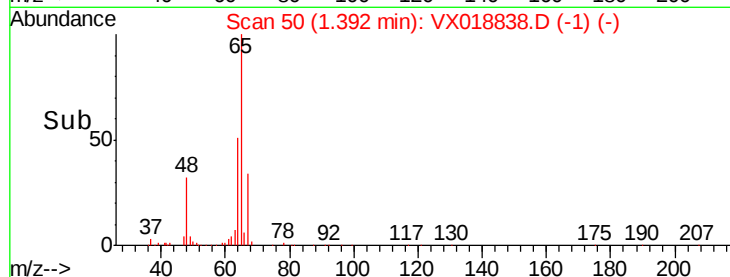
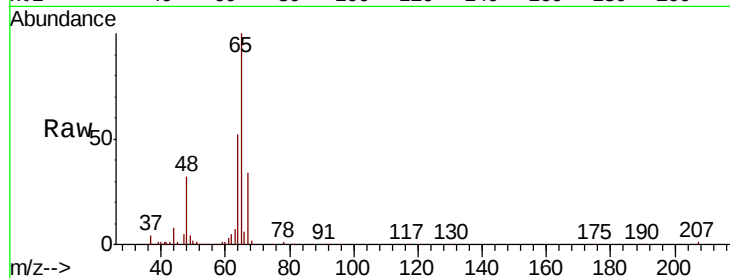
62 100

64 1086.9 24.3 45.1

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.199 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX018838.D

Acq: 08 Oct 2020 14:57

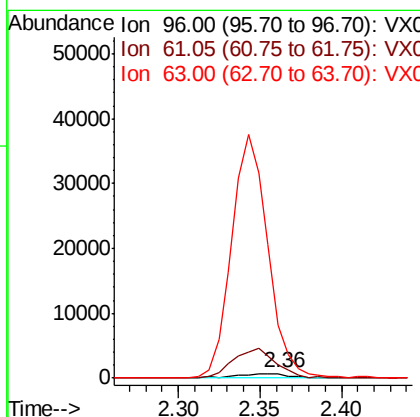
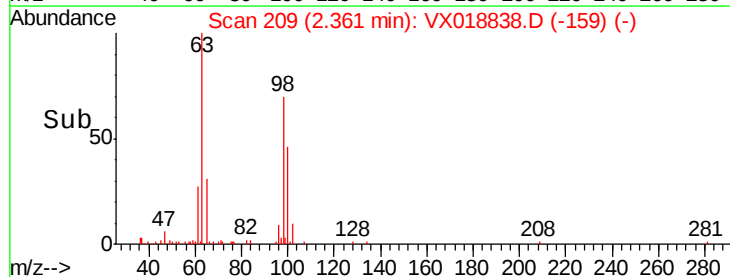
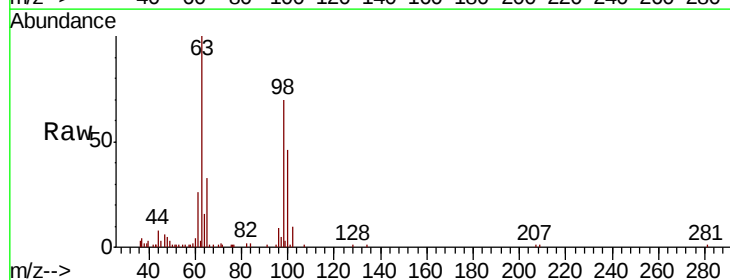
Tgt Ion: 96 Resp: 1433

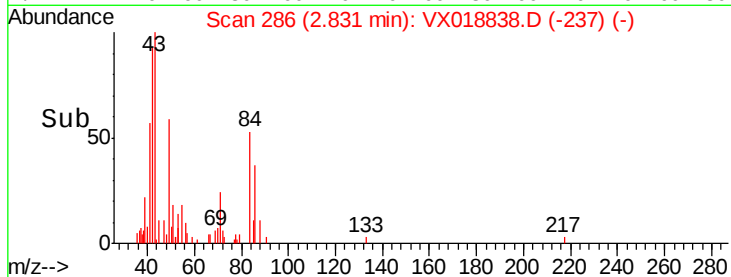
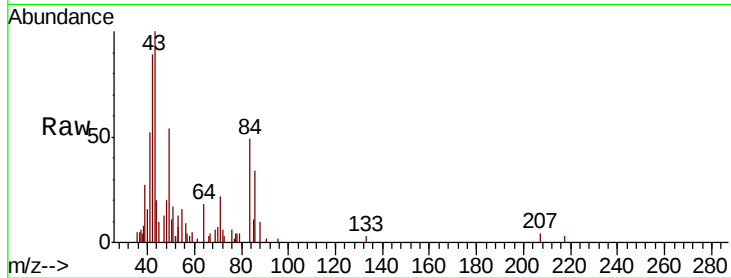
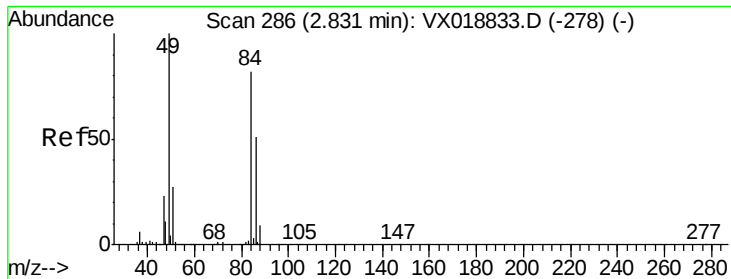
Ion Ratio Lower Upper

96 100

61 292.7 133.2 247.4#

63 1105.6 115.1 213.7#





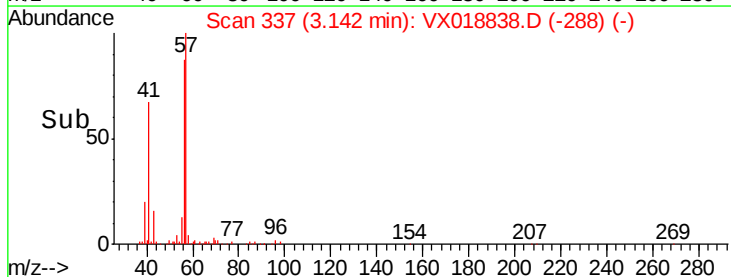
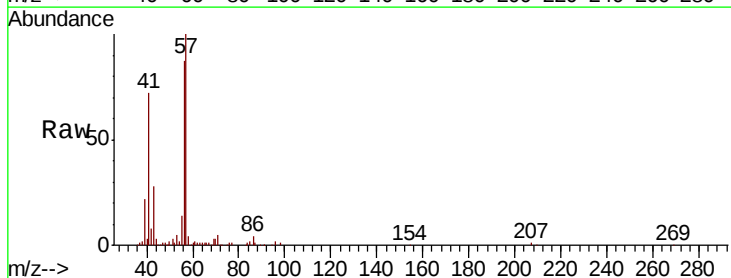
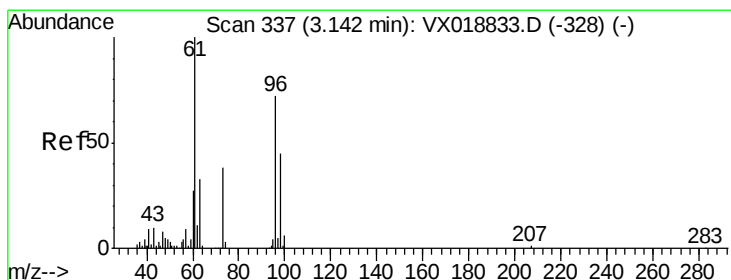
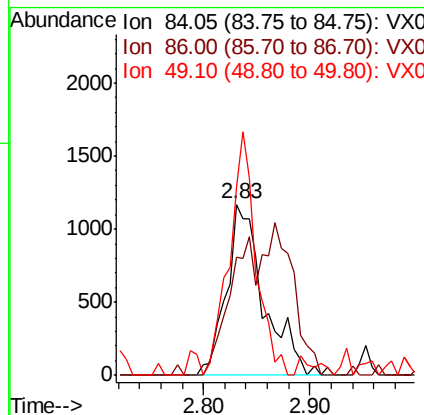
#16
Methvlene chloride
Concen: 0.331 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018838.D
Acq: 08 Oct 2020 14:57

Tot Ion	Ratio	Lower	Upper
84	100		
86	69.2	45.6	84.8
49	110.3	85.8	159.3

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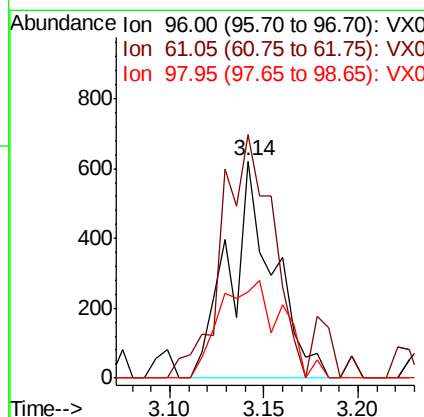
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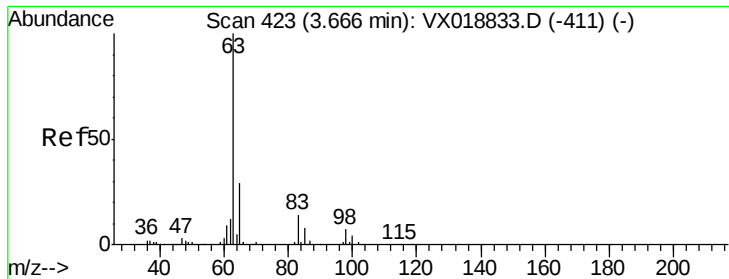
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#18
trans-1,2-Dichloroethene
Concen: 0.131 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX018838.D
Acq: 08 Oct 2020 14:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	112.1	97.6	181.4
98	39.5	43.1	80.1#





#19

1,1-Dichloroethane

Concen: 1.110 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018838.D

Acq: 08 Oct 2020 14:57

Instrument :

MSVOA_X

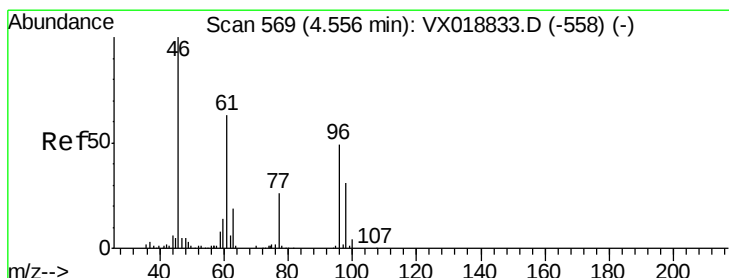
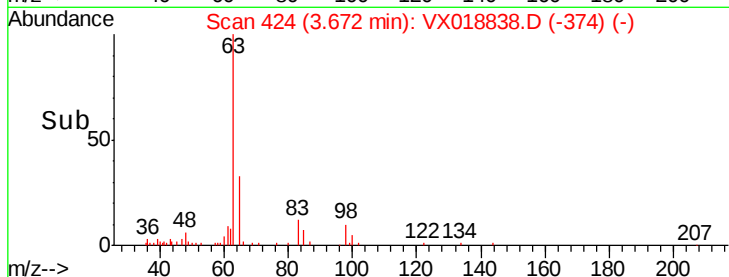
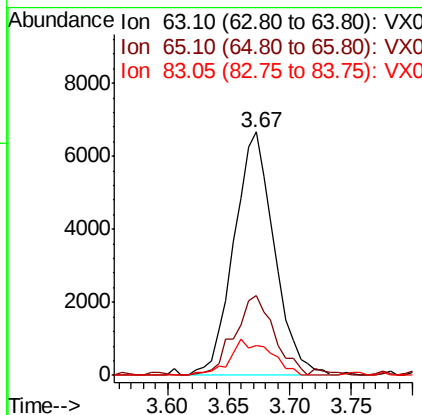
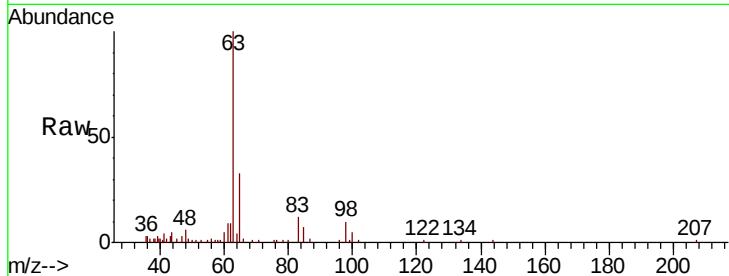
ClientSampleId :

BG3N5DL

Tot Ion:	63	Resp:	15234
Ion	Ratio	Lower	Upper
63	100		
65	32.9	21.6	40.2
83	12.2	8.7	16.1

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#22

cis-1,2-Dichloroethene

Concen: 12.545 ug/L

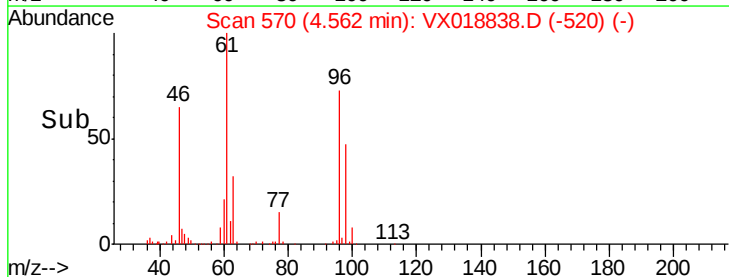
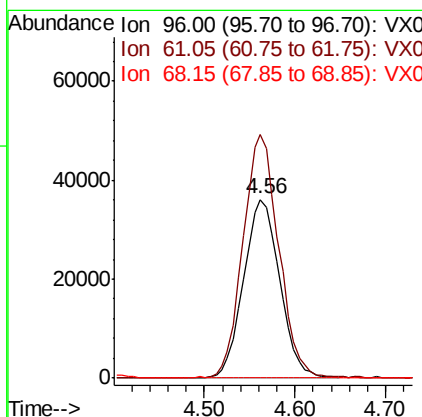
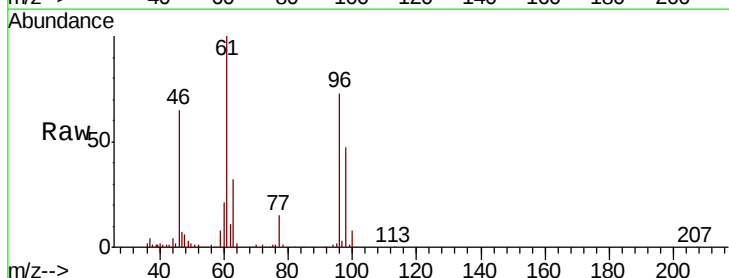
RT: 4.56 min Scan# 570

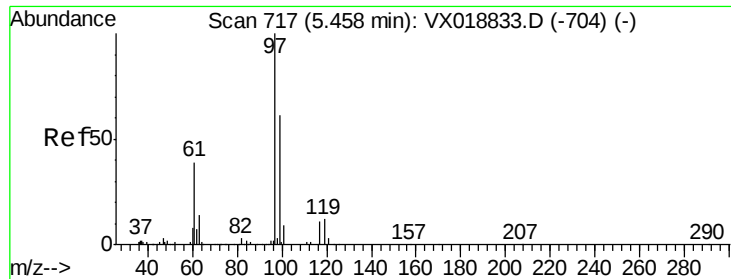
Delta R.T. 0.01 min

Lab File: VX018838.D

Acq: 08 Oct 2020 14:57

Tgt Ion:	96	Resp:	99877
Ion	Ratio	Lower	Upper
96	100		
61	136.4	86.2	160.0
68	0.3	0.3	0.7#





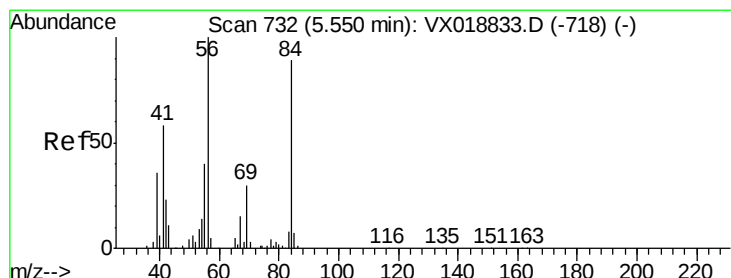
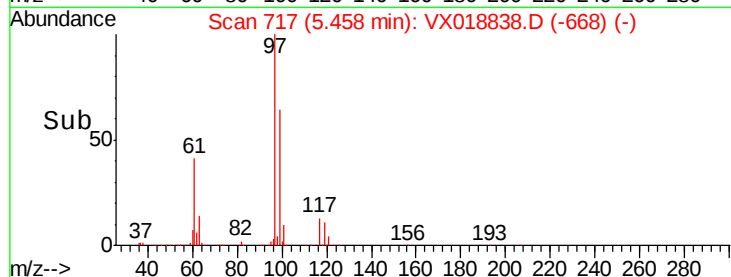
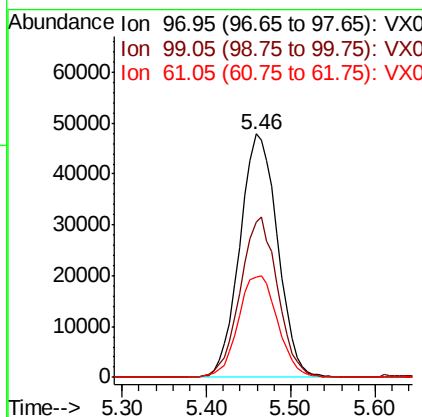
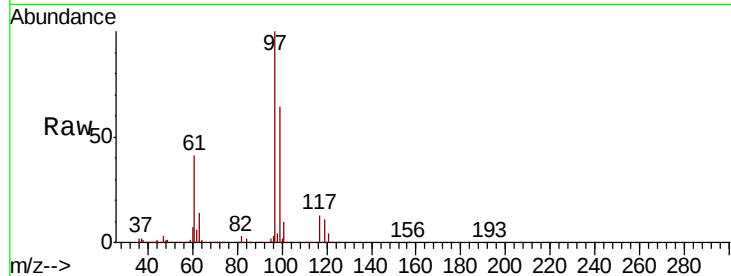
#29
1,1,1-Trichloroethane
Concen: 8.663 ug/L
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX018838.D
Acq: 08 Oct 2020 14:57

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Tot Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.3	76.9
61	43.6	33.3	49.9

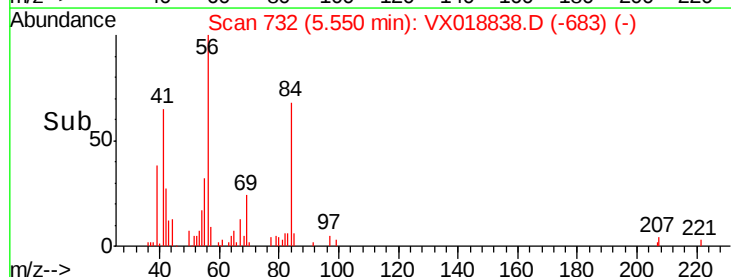
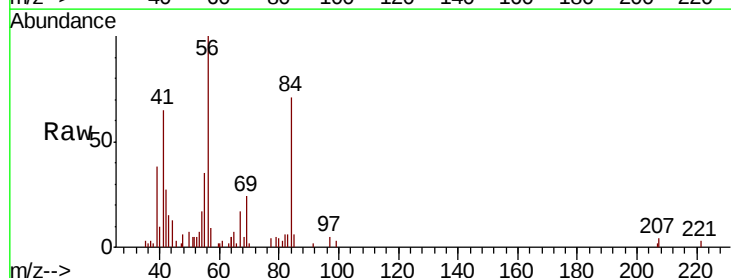
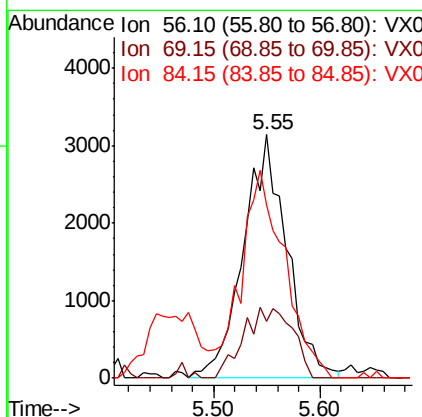
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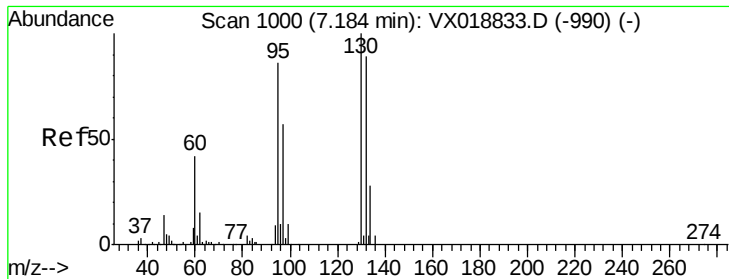
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#30
Cyclohexane
Concen: 0.769 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX018838.D
Acq: 08 Oct 2020 14:57

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.0	39.0
84	86.4	73.8	110.6





#34

Trichloroethene

Concen: 0.108 ug/L m

RT: 7.21 min Scan# 1004

Delta R.T. 0.02 min

Lab File: VX018838.D

Acq: 08 Oct 2020 14:57

Instrument :

MSVOA_X

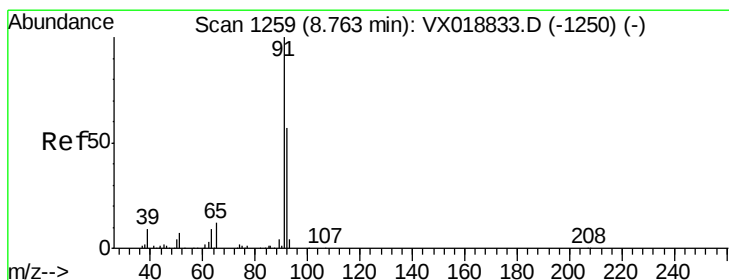
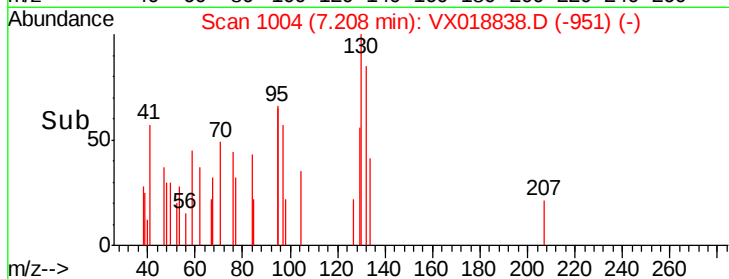
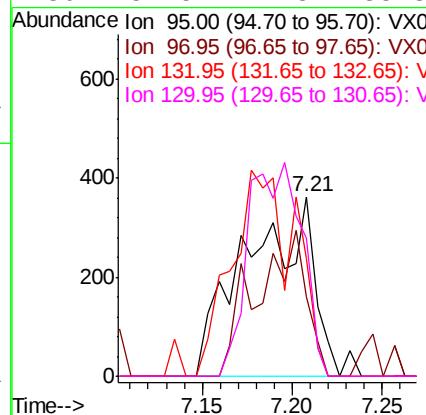
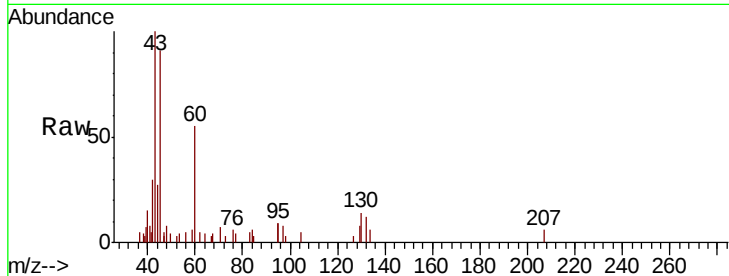
ClientSampleId :

BG3N5DL

Tot Ion	95	Resp	944
Ion	Ratio	Lower	Upper
95	100		
97	87.4	45.3	84.1#
132	129.5	68.6	127.4#
130	152.5	74.5	138.3#

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#42

Toluene

Concen: 31.658 ug/L

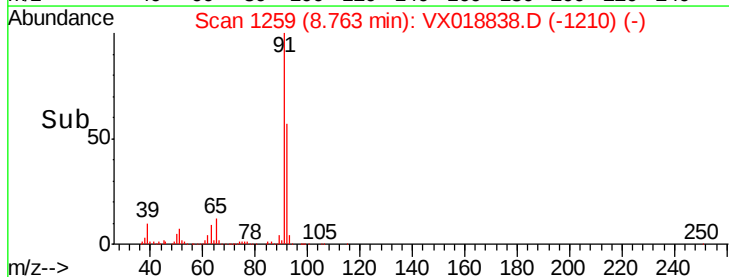
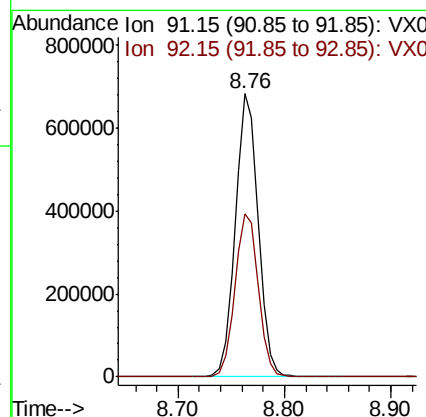
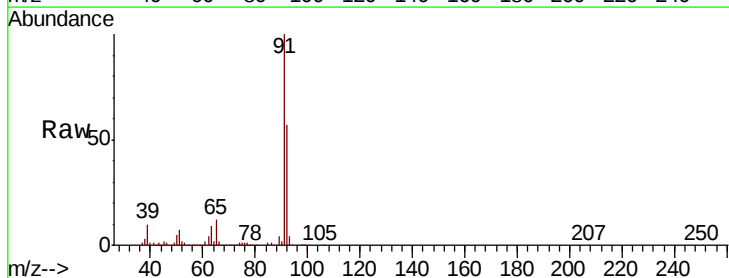
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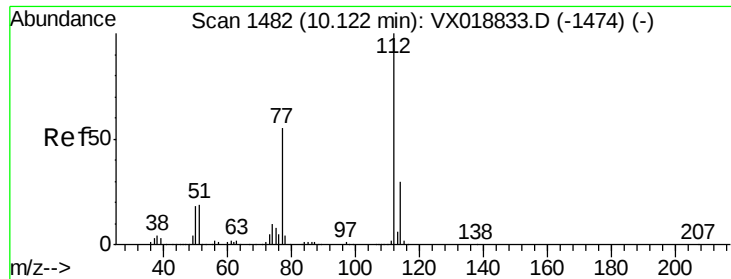
Delta R.T. 0.00 min

Lab File: VX018838.D

Acq: 08 Oct 2020 14:57

Tgt Ion	91	Resp	1029909
Ion	Ratio	Lower	Upper
91	100		
92	57.5	40.3	74.9





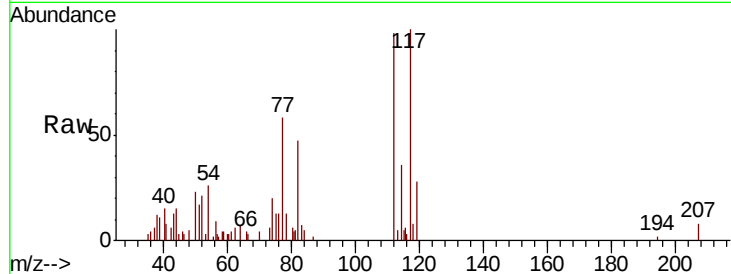
#53
Chlorobenzene
Concen: 0.137 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018838.D
Acq: 08 Oct 2020 14:57

Instrument :
MSVOA_X
ClientSampleId :
BG3N5DL

Tot Ion	Ratio	Lower	Upper
112	100		
114	36.9	21.3	39.5
77	58.9	42.4	63.6

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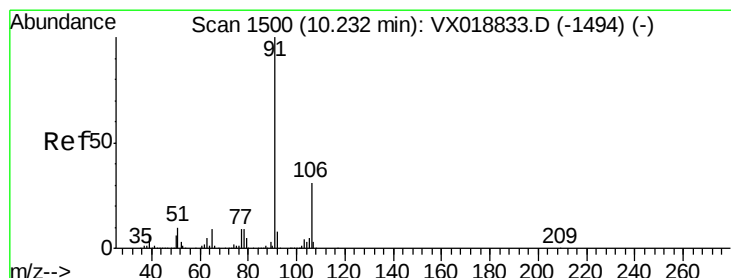
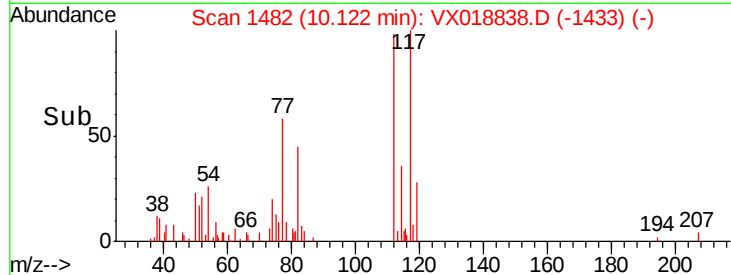
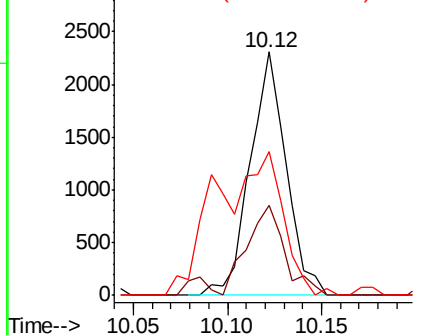


Abundance

Ion 112.10 (111.80 to 112.80): V

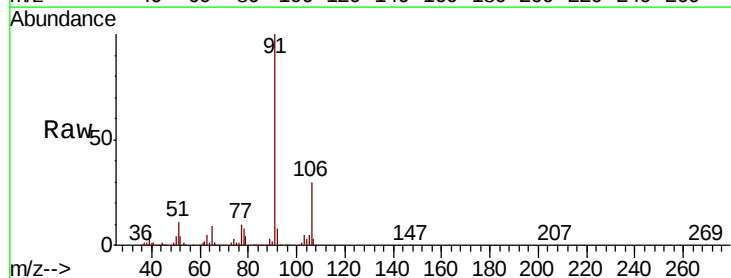
Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#54
Ethylbenzene
Concen: 2.618 ug/L
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX018838.D
Acq: 08 Oct 2020 14:57

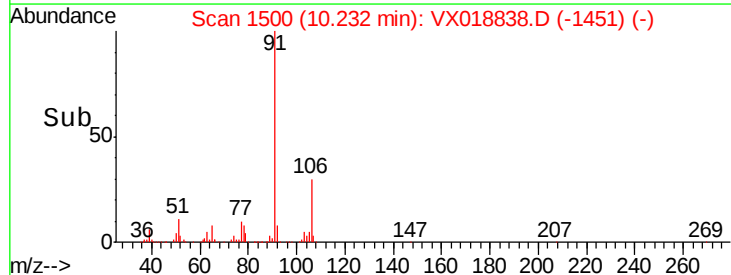
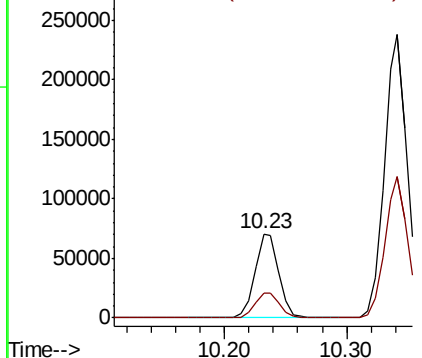
Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	21.5	39.9

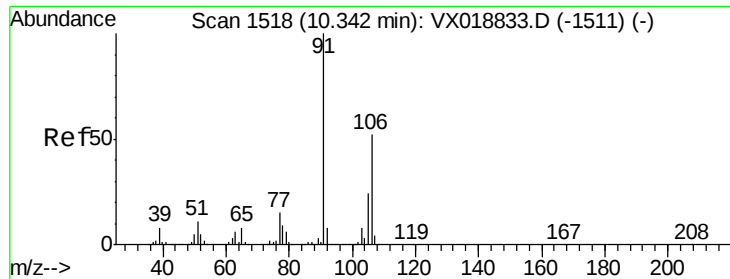


Abundance

Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 10.885 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018838.D

Acq: 08 Oct 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

BG3N5DL

Tot Ion:106 Resp: 154835

Ion Ratio Lower Upper

106 100

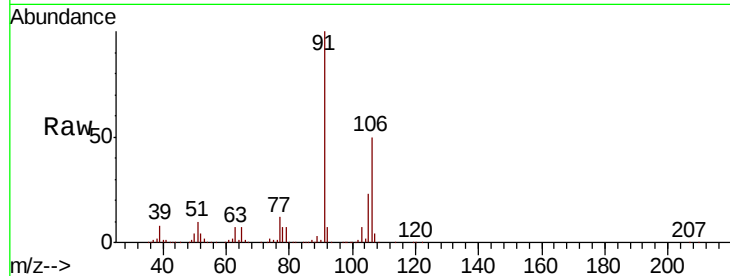
91 199.8 143.4 266.2

Manual Integrations

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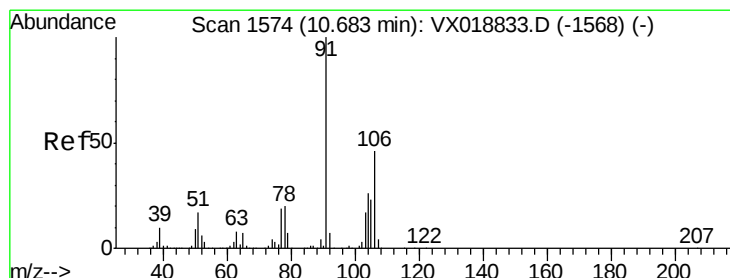
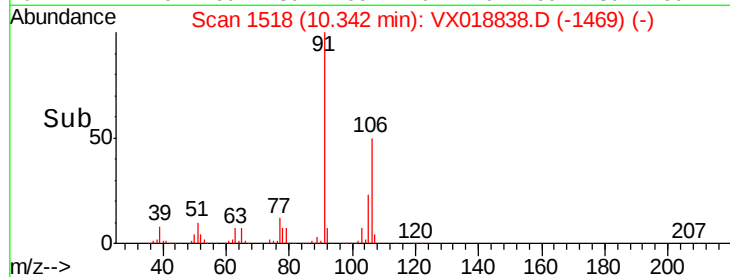
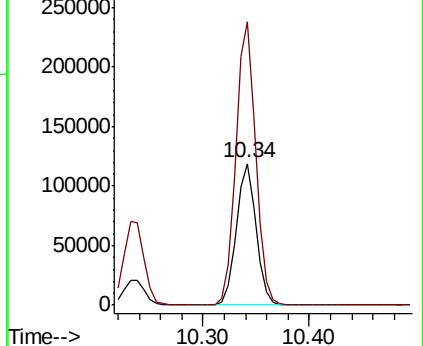
MMDadoda

10/10/2020 10:24:34 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 5.722 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018838.D

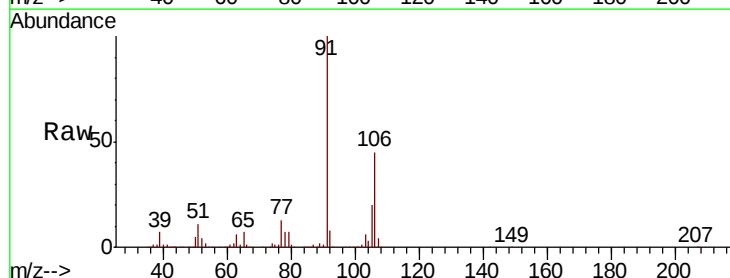
Acq: 08 Oct 2020 14:57

Tgt Ion:106 Resp: 75222

Ion Ratio Lower Upper

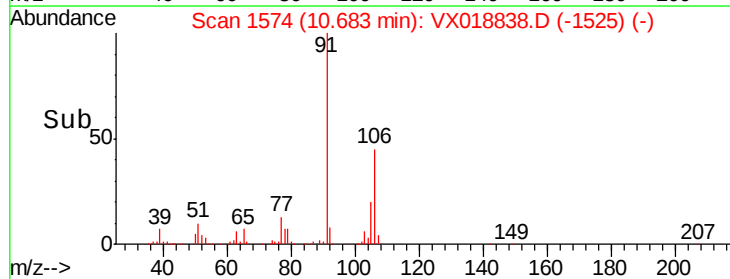
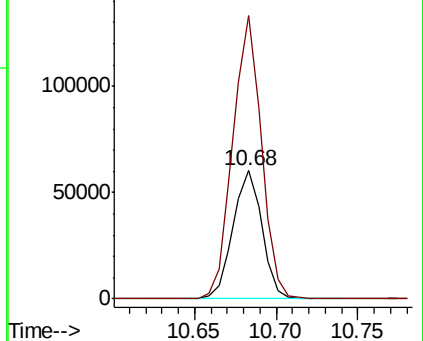
106 100

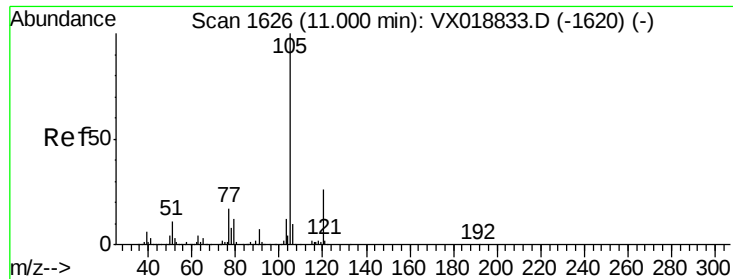
91 220.8 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.869 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018838.D

Acq: 08 Oct 2020 14:57

Instrument :

MSVOA_X

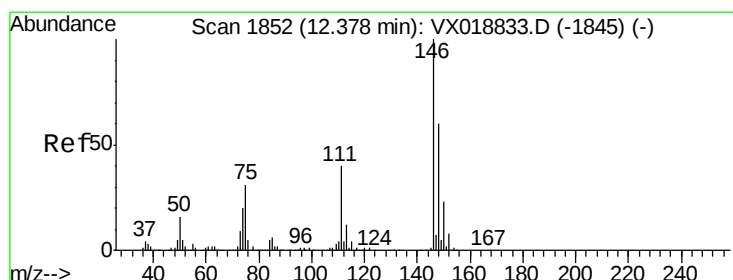
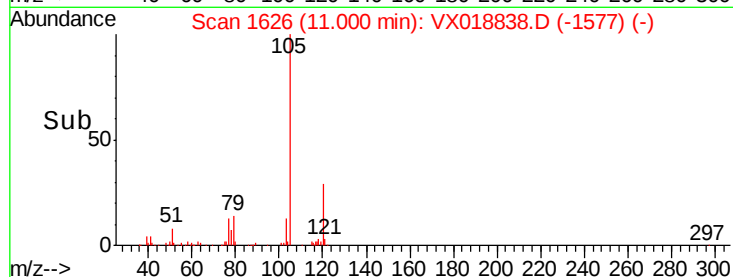
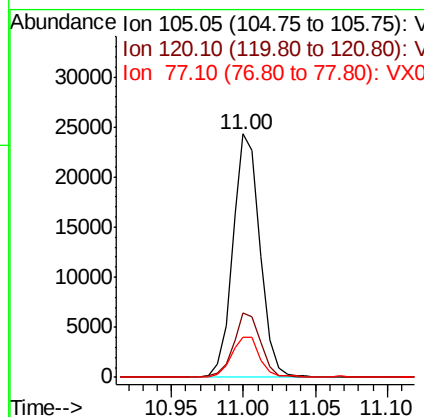
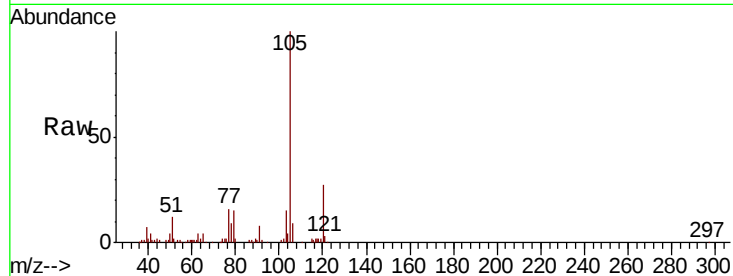
ClientSampleId :

BG3N5DL

Tot Ion:	105	Resp:	31997
Ion Ratio	Lower	Upper	
105	100		
120	26.3	20.2	30.2
77	17.8	13.3	19.9

Manual Integrations
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#66

1,2-Dichlorobenzene

Concen: 0.280 ug/L

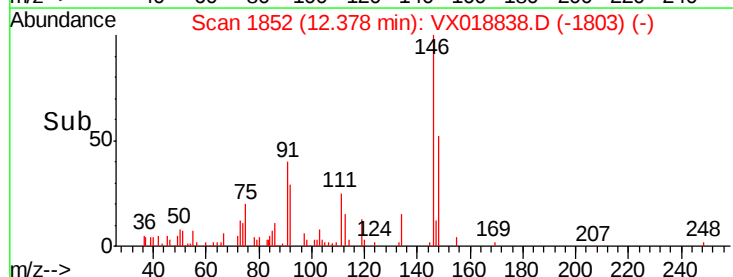
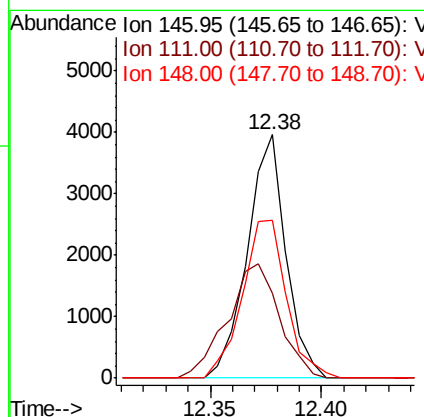
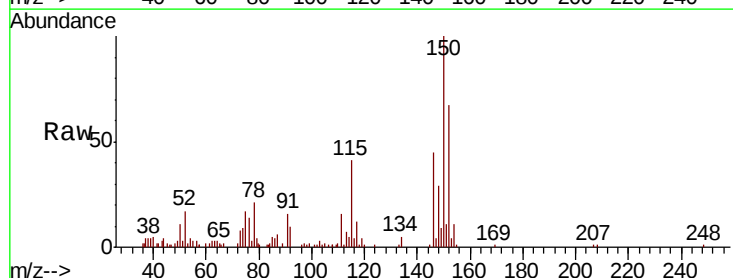
RT: 12.38 min Scan# 1852

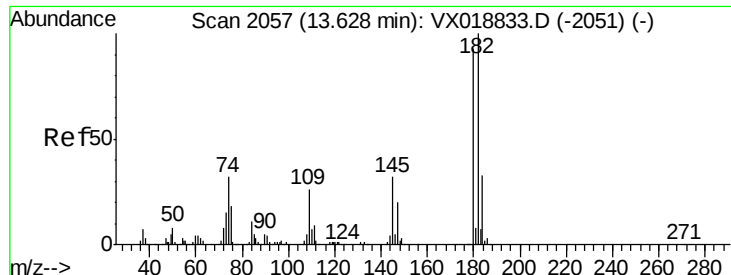
Delta R.T. 0.00 min

Lab File: VX018838.D

Acq: 08 Oct 2020 14:57

Tgt Ion:	146	Resp:	4791
Ion Ratio	Lower	Upper	
146	100		
111	34.8	31.7	47.5
148	65.0	49.0	73.6





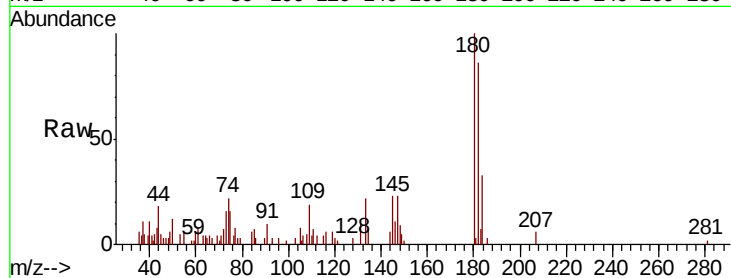
#69
 1,2,4-trichlorobenzene
 Concen: 0.258 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018838.D
 Acq: 08 Oct 2020 14:57

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N5DL

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	100.8	80.2	120.4	
145	27.7	25.2	37.8	

Manual Integrations
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Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

