

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006740.D
 Acq On : 21 Dec 2018 23:31
 Operator : JC/MD
 Sample : VX1221WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 11:15:38 AM

Quant Time: Dec 22 05:39:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	543696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	857767	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	755918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	379153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	310567	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
35) Dibromofluoromethane	5.50	113	277891	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	8.71	98	1013086	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	355847	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	88362	17.765	ug/l	93
3) Chloromethane	1.33	50	94508	17.637	ug/l	97
4) Vinyl Chloride	1.41	62	109241	19.519	ug/l	99
5) Bromomethane	1.64	94	102653	18.446	ug/l	98
6) Chloroethane	1.72	64	72552	18.722	ug/l	99
7) Trichlorofluoromethane	1.93	101	179859	20.613	ug/l	94
8) Diethyl Ether	2.19	74	70147	20.241	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	101606	19.833	ug/l	99
10) Methyl Iodide	2.51	142	141972	19.359	ug/l	99
11) Tert butyl alcohol	3.08	59	153203	117.152	ug/l	100
12) 1,1-Dichloroethene	2.37	96	96493	19.864	ug/l	98
13) Acrolein	2.30	56	89725	101.706	ug/l	99
14) Allyl chloride	2.73	41	163604	20.008	ug/l	98
15) Acrylonitrile	3.15	53	330405	113.793	ug/l	99
16) Acetone	2.45	43	277543	103.094	ug/l	99
17) Carbon Disulfide	2.57	76	215540	16.766	ug/l	99
18) Methyl Acetate	2.78	43	192102	24.267	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	351449	21.798	ug/l	98
20) Methylene Chloride	2.86	84	110914	19.924	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	106847	19.851	ug/l	100
22) Diisopropyl ether	3.88	45	317848	21.248	ug/l	93
23) Vinyl Acetate	3.82	43	1267220	103.566	ug/l	100
24) 1,1-Dichloroethane	3.70	63	180443	20.207	ug/l	100
25) 2-Butanone	4.70	43	409131	108.041	ug/l	99
26) 2,2-Dichloropropane	4.58	77	88026	12.761	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	122064	20.555	ug/l	97
28) Bromochloromethane	5.02	49	83919	21.227	ug/l	99
29) Tetrahydrofuran	5.16	42	281845	113.003	ug/l	98
30) Chloroform	5.21	83	193367	20.911	ug/l	99
31) Cyclohexane	5.58	56	155491	19.167	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	153747	19.690	ug/l	97
36) 1,1-Dichloropropene	5.80	75	138197	19.453	ug/l	99
37) Ethyl Acetate	4.87	43	156945	21.225	ug/l	99
38) Carbon Tetrachloride	5.78	117	130191	18.857	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	165865	17.734	ug/l	99
40) Benzene	6.14	78	433772	20.087	ug/l	98
41) Methacrylonitrile	5.06	41	83703	21.321	ug/l	96
42) 1,2-Dichloroethane	6.20	62	149279	20.287	ug/l	99
43) Isopropyl Acetate	6.46	43	232121	20.632	ug/l	99
44) Trichloroethene	7.21	130	125349	19.178	ug/l	97
45) 1,2-Dichloropropane	7.52	63	107149	20.390	ug/l	99
46) Dibromomethane	7.66	93	77121	19.952	ug/l	99
47) Bromodichloromethane	7.90	83	122999	19.167	ug/l	99
48) Methyl methacrylate	7.77	41	120128	20.997	ug/l	99
49) 1,4-Dioxane	7.76	88	62360	404.747	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	774242	108.157	ug/l	99
52) Toluene	8.79	92	274114	19.648	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	118123	17.163	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	138056	18.281	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	116941	20.478	ug/l	99
56) Ethyl methacrylate	9.18	69	163662	20.278	ug/l	99
57) 1,3-Dichloropropane	9.37	76	185531	20.194	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	415105	96.755	ug/l	99
59) 2-Hexanone	9.49	43	593252	108.315	ug/l	100
60) Dibromochloromethane	9.59	129	100590	18.384	ug/l	99
61) 1,2-Dibromoethane	9.67	107	124075	20.440	ug/l	99
64) Tetrachloroethene	9.34	164	119993	20.047	ug/l	97
65) Chlorobenzene	10.14	112	313473	19.602	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	105740	21.193	ug/l	98
67) Ethyl Benzene	10.25	91	513122	19.636	ug/l	97
68) m/p-Xylenes	10.36	106	407597	39.528	ug/l	99
69) o-Xylene	10.70	106	197310	19.377	ug/l	97
70) Styrene	10.71	104	312666	19.409	ug/l	98
71) Bromoform	10.86	173	68012	18.224	ug/l	100
73) Isopropylbenzene	11.02	105	527348	20.331	ug/l	99
74) N-amyl acetate	10.90	43	202195	21.778	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	173902	22.543	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	150062m	21.297	ug/l	
77) Bromobenzene	11.26	156	141691	20.205	ug/l	98
78) n-propylbenzene	11.36	91	575010	20.131	ug/l	100
79) 2-Chlorotoluene	11.42	91	344814	19.920	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	433544	20.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	29360	15.839	ug/l #	82
82) 4-Chlorotoluene	11.51	91	394493	19.868	ug/l	99
83) tert-Butylbenzene	11.77	119	439673	20.562	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	445514	19.825	ug/l	100
85) sec-Butylbenzene	11.94	105	520412	19.851	ug/l	100
86) p-Isopropyltoluene	12.07	119	464454	20.154	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	252084	19.946	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	249305	19.242	ug/l	97
89) n-Butylbenzene	12.39	91	377478	19.247	ug/l	98
90) Hexachloroethane	12.60	117	58999	18.574	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	250641	19.825	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	32661	20.462	ug/l	97

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ClientSampleId :
VX1221WBSD02

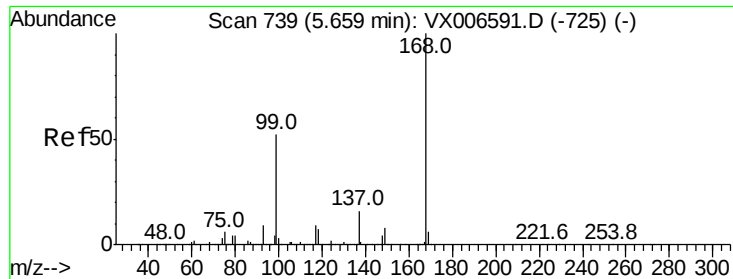
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	170480	19.548	ug/l	100
94) Hexachlorobutadiene	13.79	225	72723	17.692	ug/l	99
95) Naphthalene	13.83	128	569239	20.451	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	174543	19.384	ug/l	100

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



#1

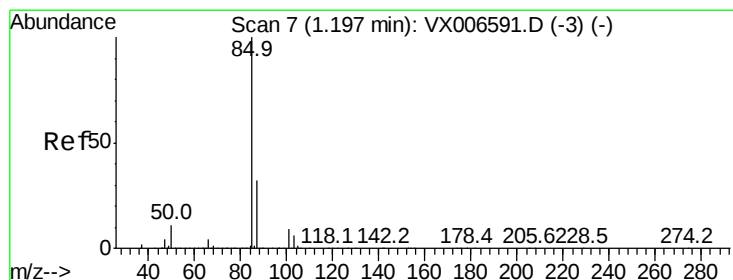
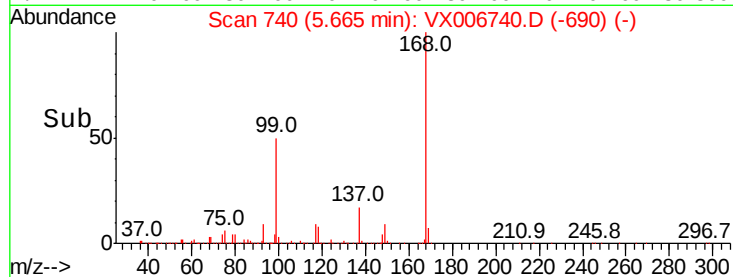
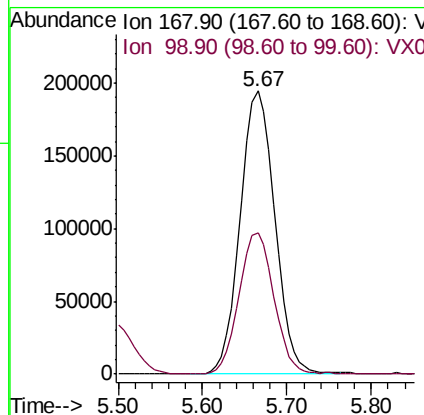
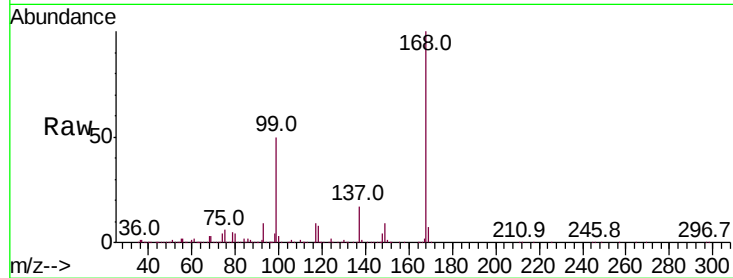
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.0	41.8	62.8

Manual Integrations
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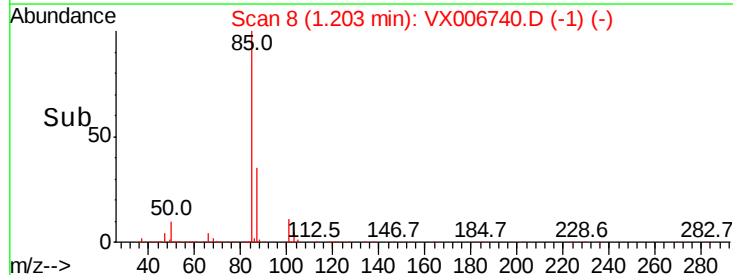
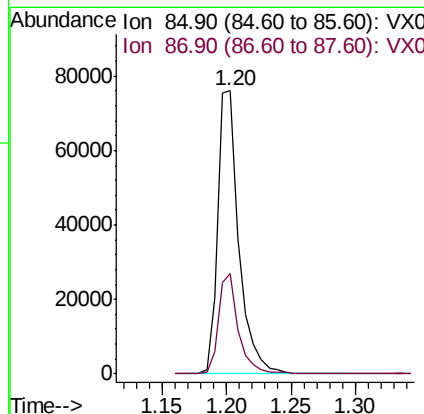
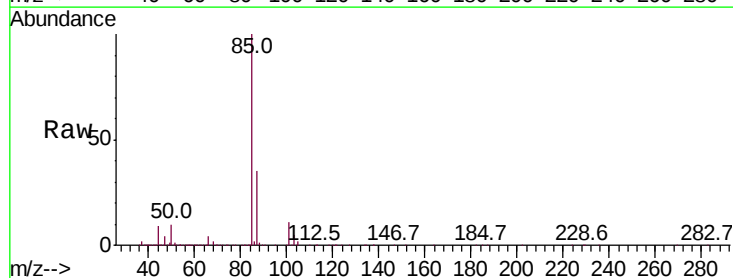
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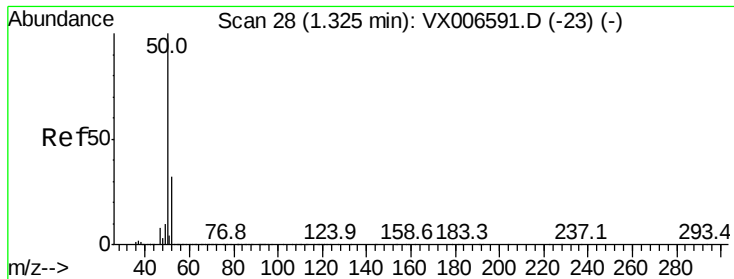


#2

Dichlorodifluoromethane
 Concen: 17.765 ug/l
 RT: 1.20 min Scan# 8
 Delta R.T. 0.01 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.4	15.9	47.6





#3

Chloromethane

Concen: 17.637 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion: 50 Resp: 94508

Ion Ratio Lower Upper

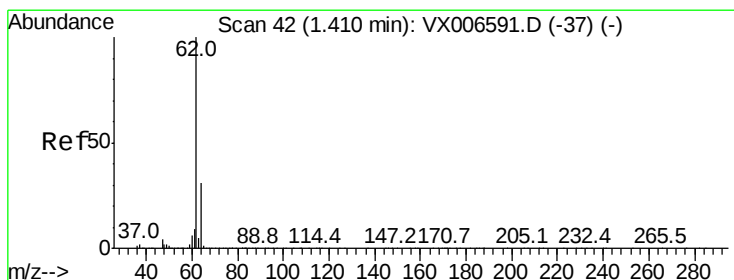
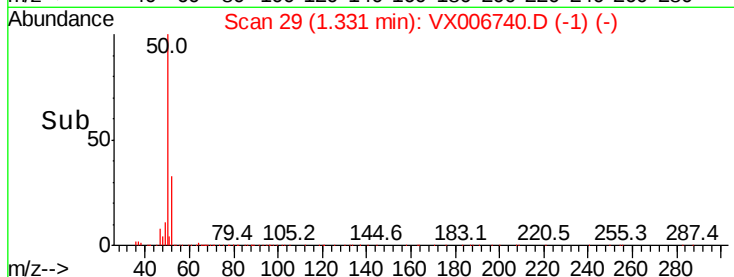
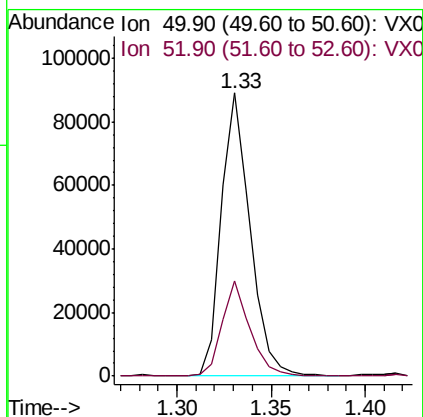
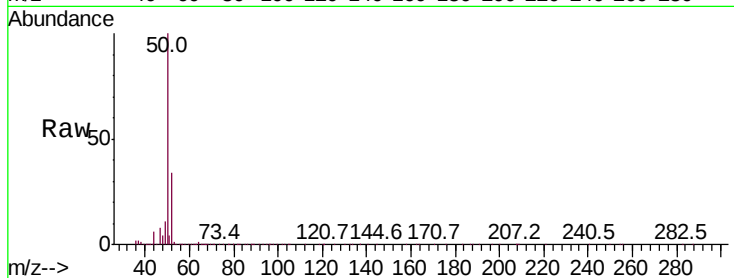
50 100

52 33.5 25.4 38.2

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#4

Vinyl Chloride

Concen: 19.519 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006740.D

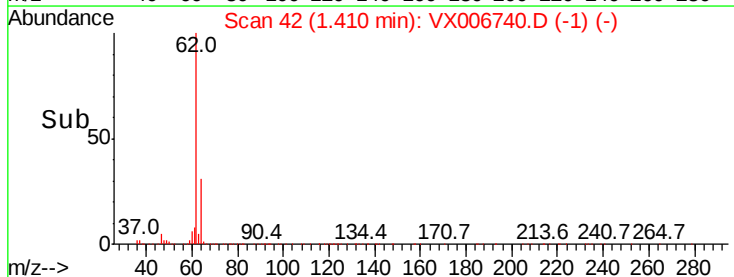
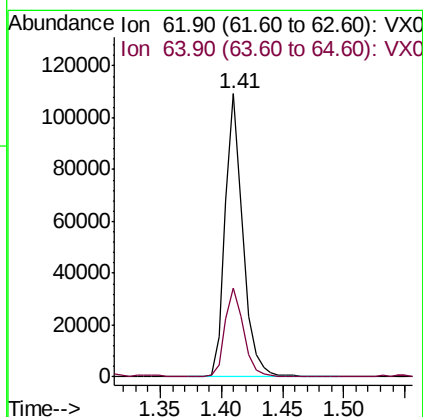
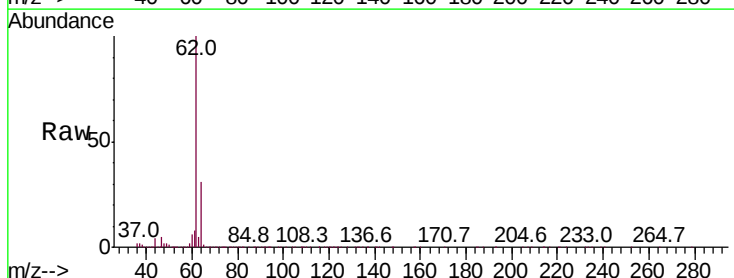
Acq: 21 Dec 2018 23:31

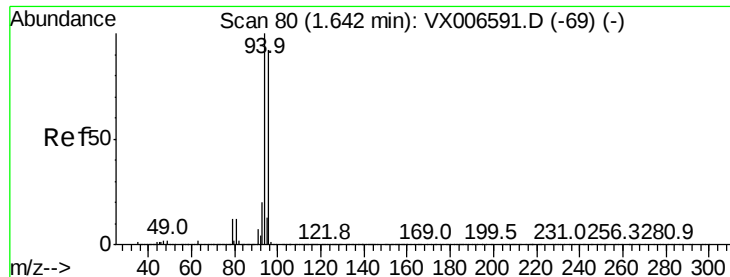
Tgt Ion: 62 Resp: 109241

Ion Ratio Lower Upper

62 100

64 31.1 25.1 37.7





#5

Bromomethane

Concen: 18.446 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

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ClientSampleId :

VX1221WBSD02

Tot Ion: 94 Resp: 102653

Ion Ratio Lower Upper

94 100

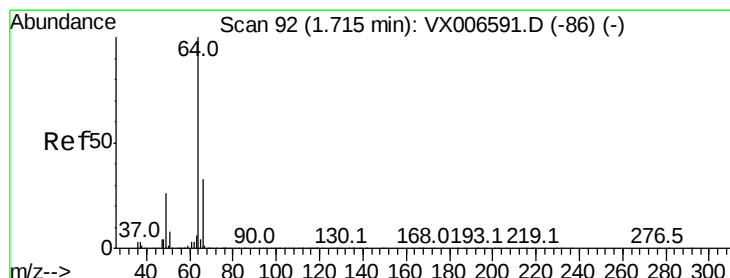
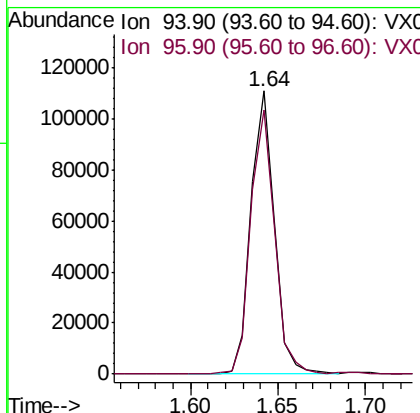
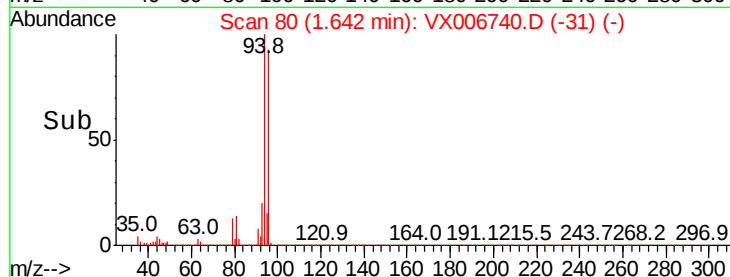
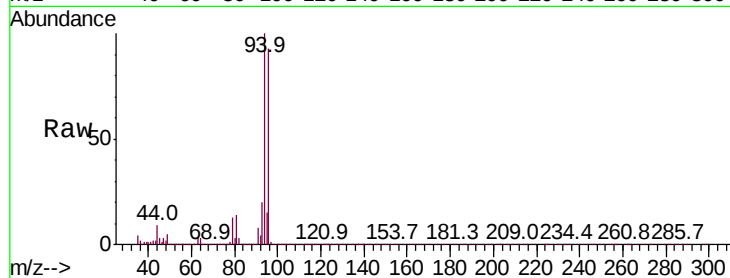
96 93.2 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 18.722 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006740.D

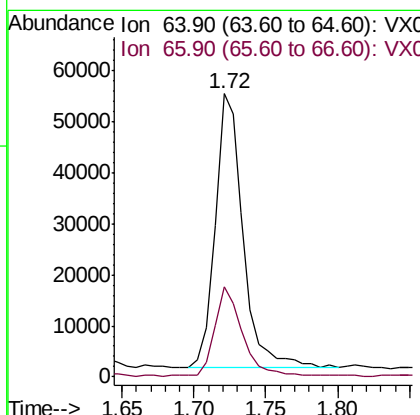
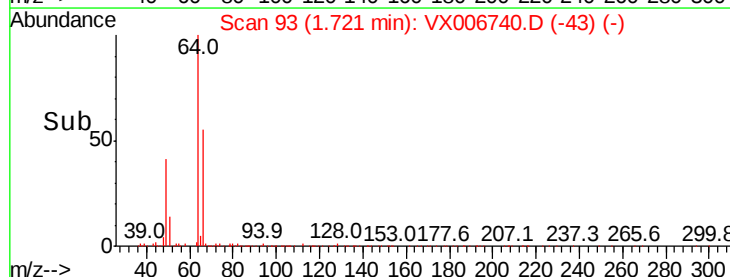
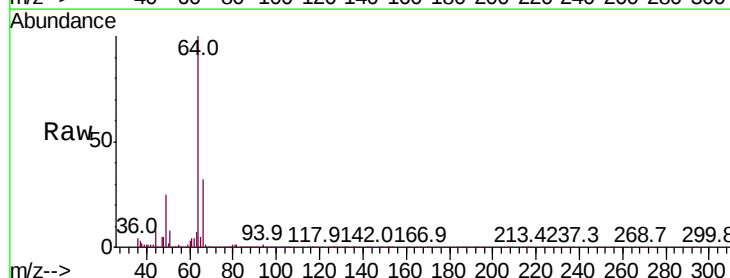
Acq: 21 Dec 2018 23:31

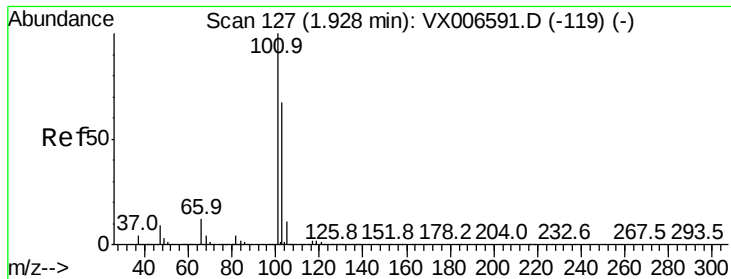
Tgt Ion: 64 Resp: 72552

Ion Ratio Lower Upper

64 100

66 32.5 26.4 39.6





#7

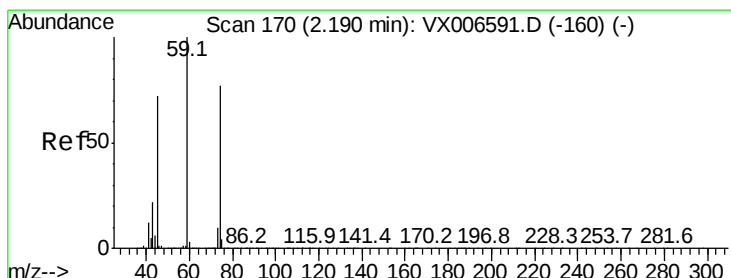
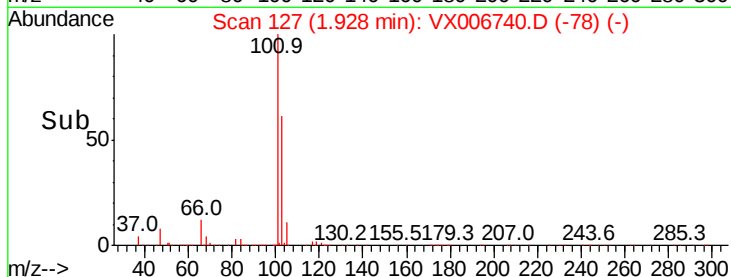
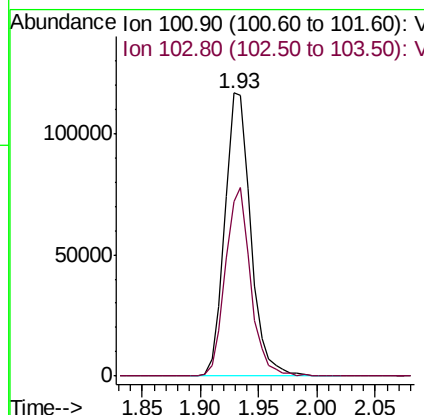
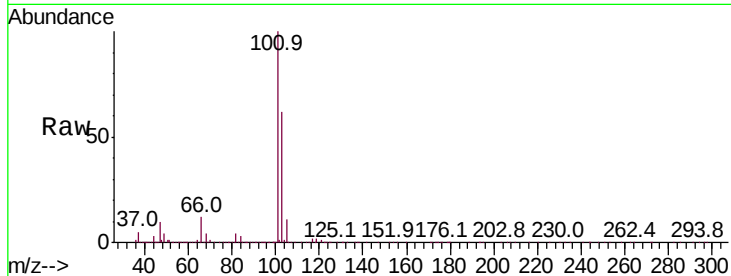
Trichlorofluoromethane
Concen: 20.613 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

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ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	53.2	79.8

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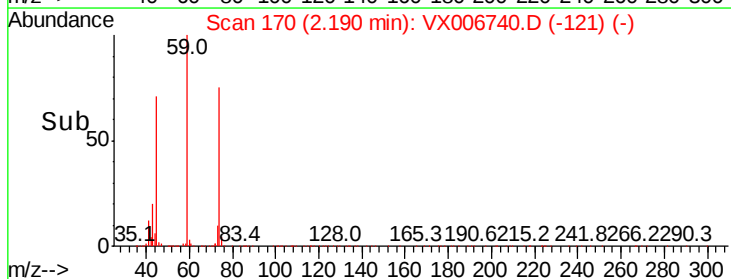
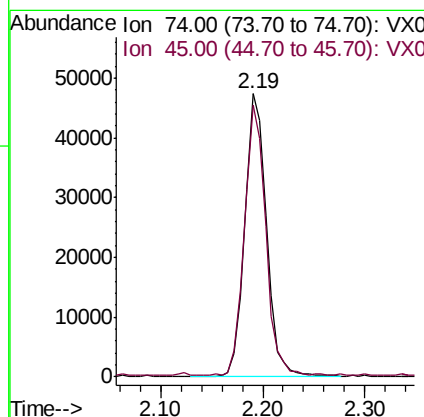
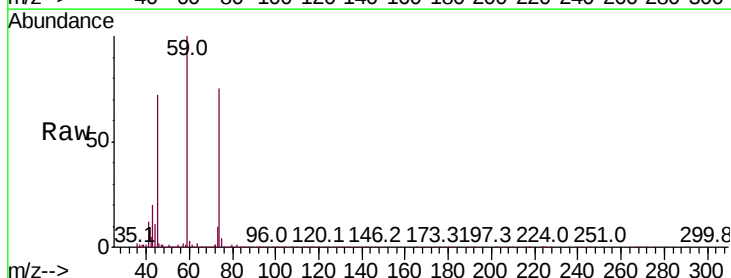
MMDadoda
12/22/2018 11:15:38 AM

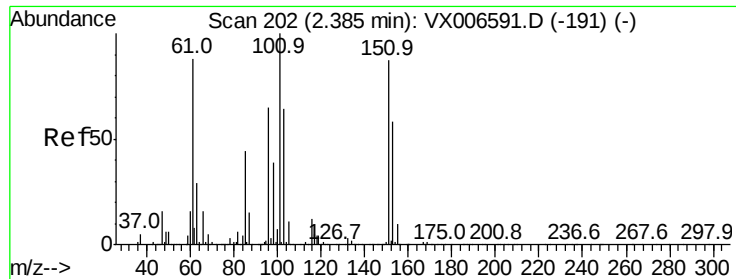


#8

Diethyl Ether
Concen: 20.241 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.6	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.833 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

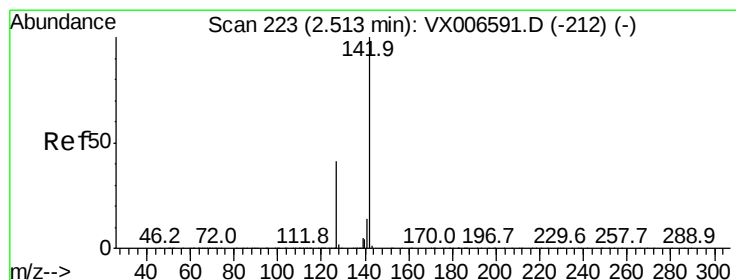
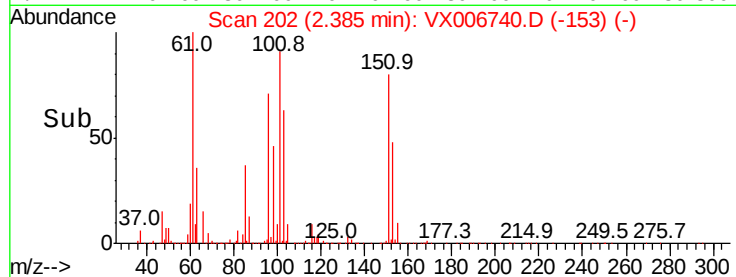
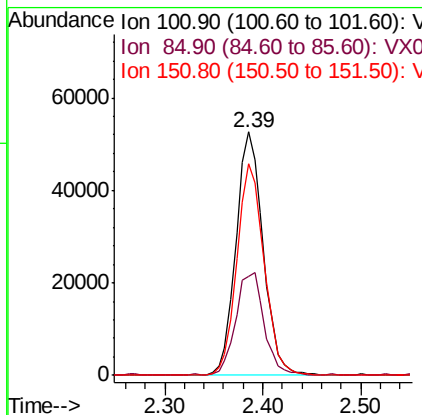
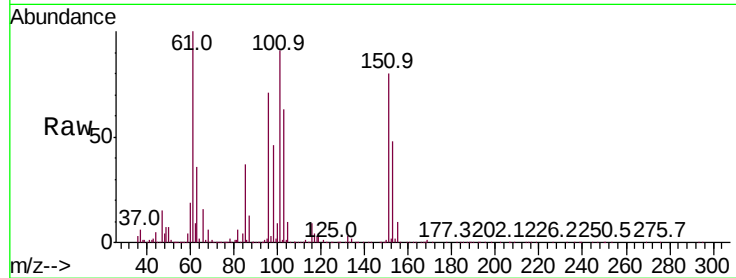
ClientSampleId :

VX1221WBSD02

Tot Ion:	101	Resp:	101606
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.1	52.7
151	87.1	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.359 ug/l

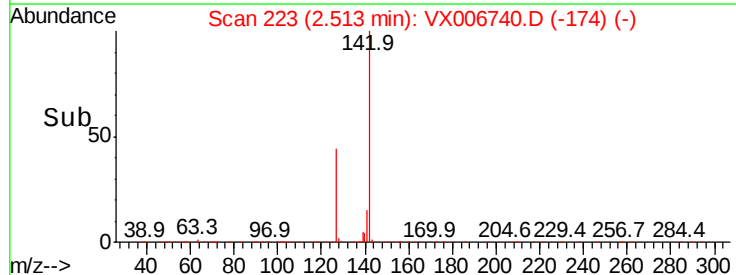
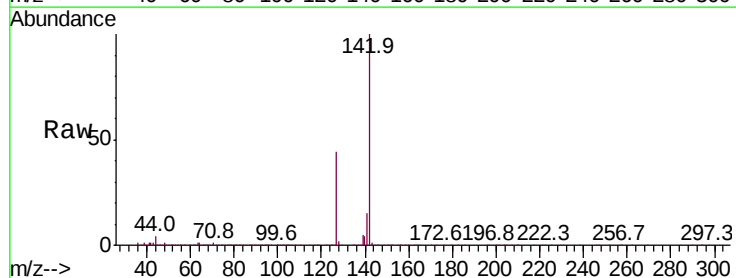
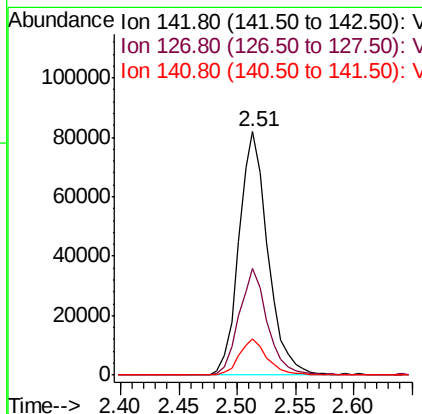
RT: 2.51 min Scan# 223

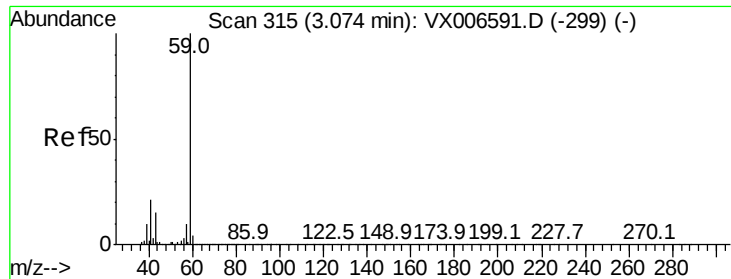
Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	142	Resp:	141972
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.9	50.9
141	14.3	11.4	17.0





#11

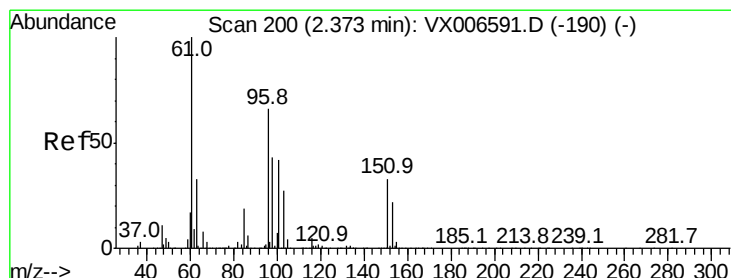
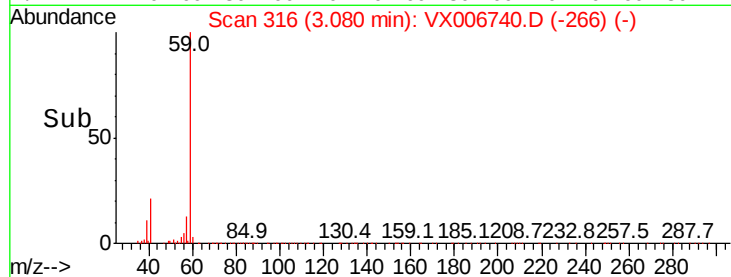
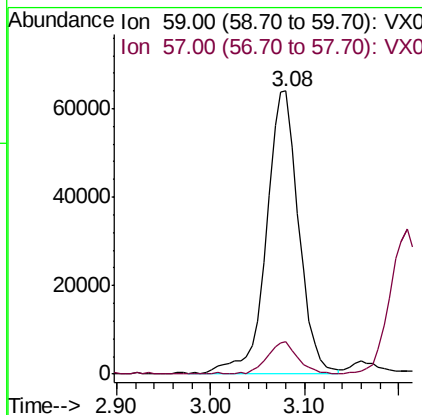
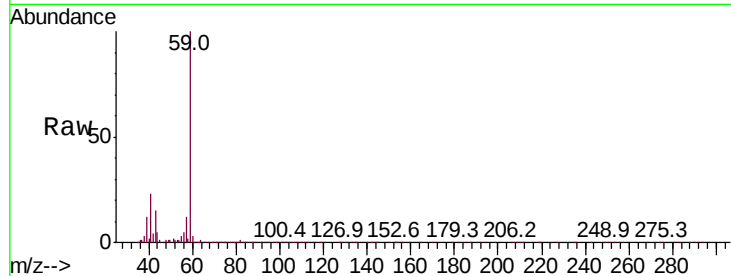
Tert butyl alcohol
Concen: 117.152 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	59	57	Ratio	100	10.7	Resp	Lower	Upper
153203								
							8.5	12.7

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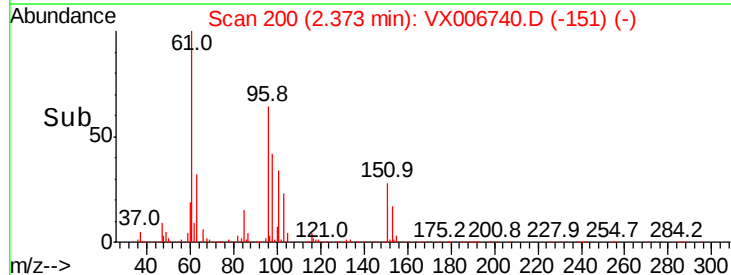
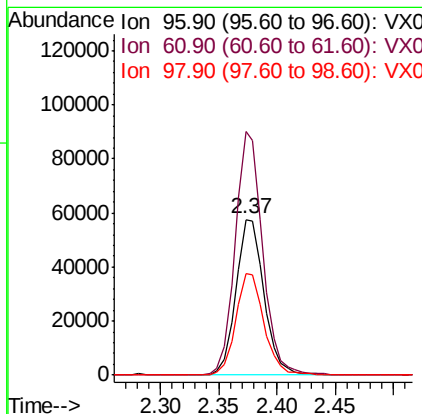
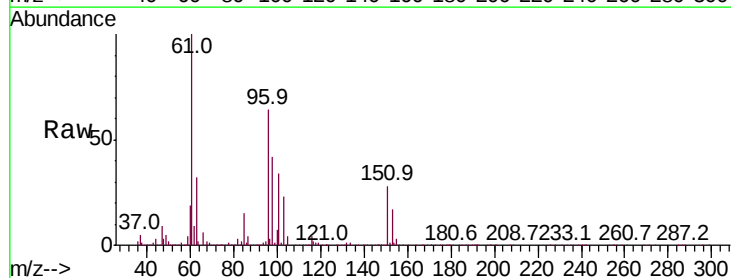
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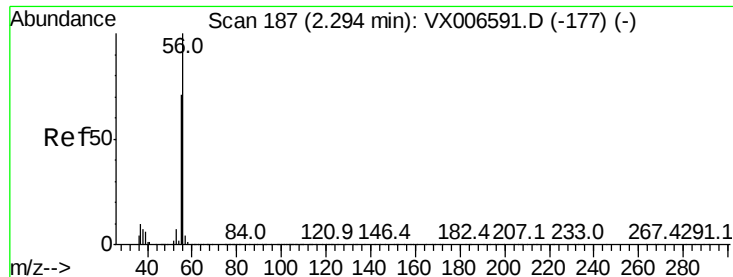


#12

1,1-Dichloroethene
Concen: 19.864 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	96	61	98	Ratio	100	156.1	65.0	Resp	Lower	Upper
96493										
									121.4	182.2
									51.9	77.9





#13

Acrolein

Concen: 101.706 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion: 56 Resp: 89725

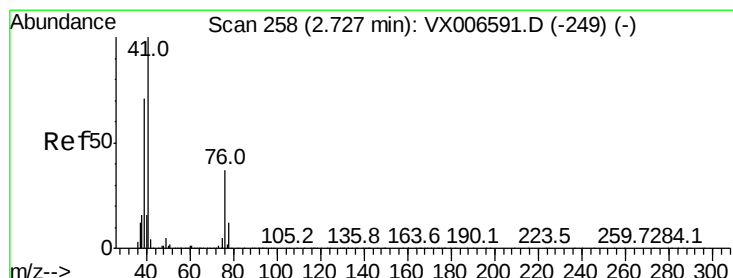
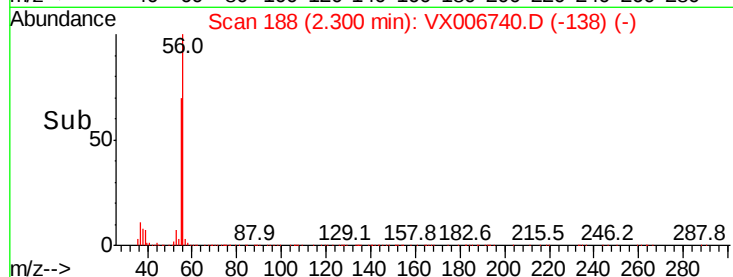
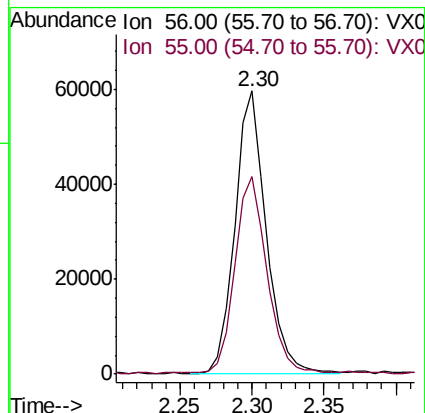
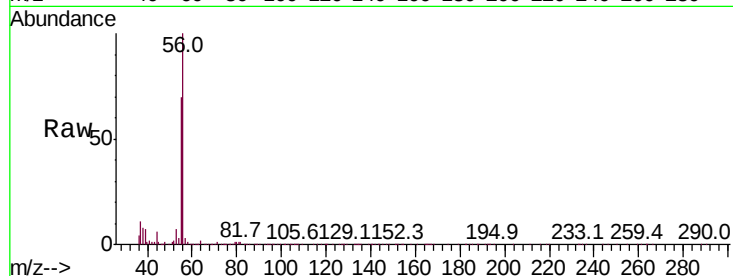
Ion Ratio Lower Upper

56 100

55 71.8 58.2 87.4

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#14

Allyl chloride

Concen: 20.008 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

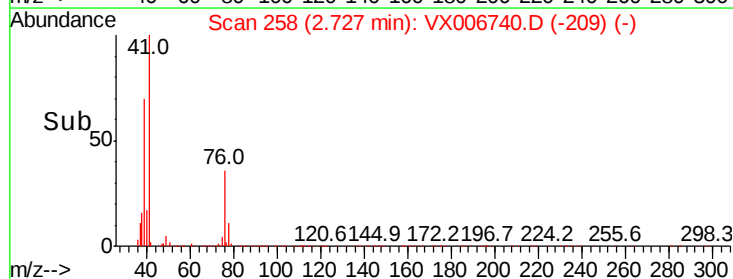
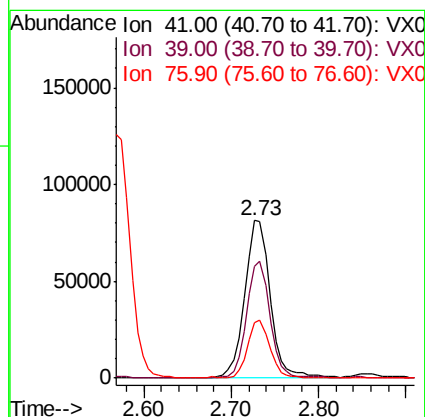
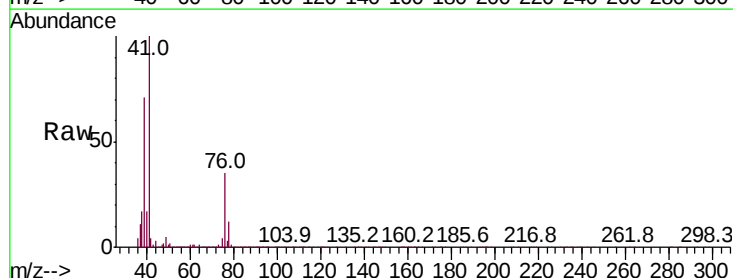
Tgt Ion: 41 Resp: 163604

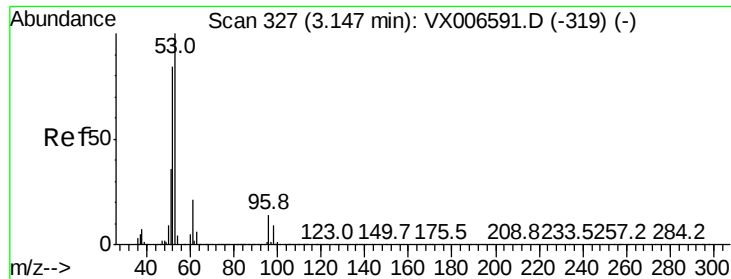
Ion Ratio Lower Upper

41 100

39 67.6 53.6 80.4

76 32.0 27.4 41.2





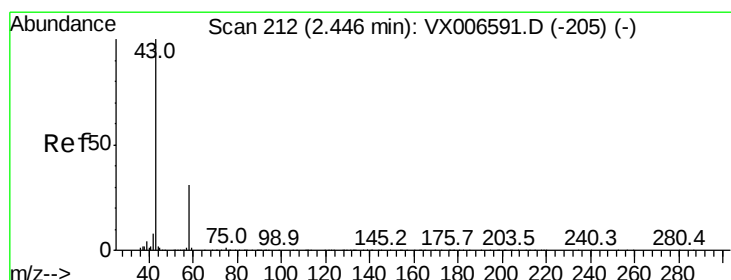
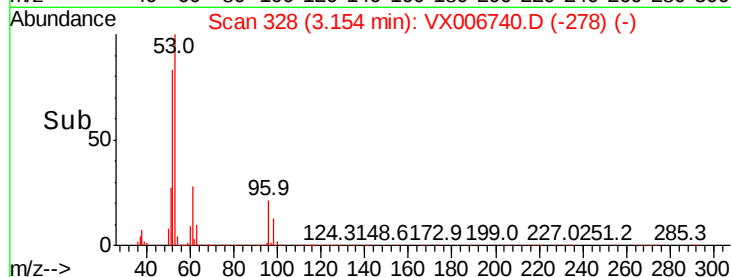
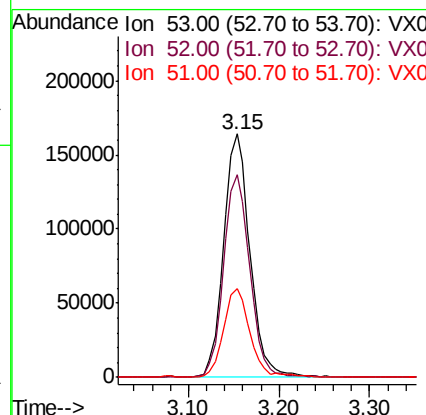
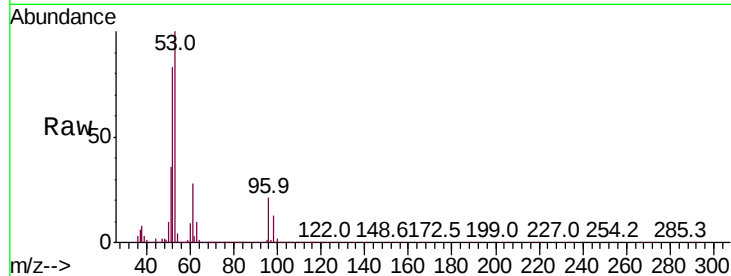
#15
Acrylonitrile
Concen: 113.793 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
53	100	330405		
52	83.0		66.0	99.0
51	36.7		28.6	42.8

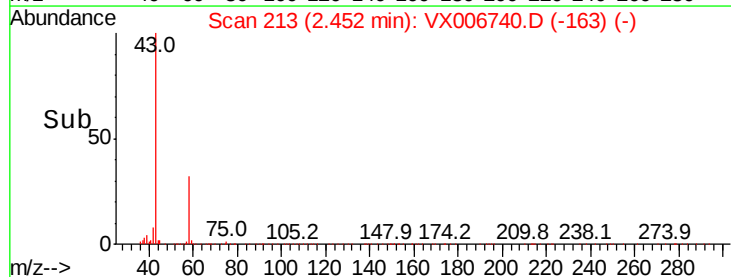
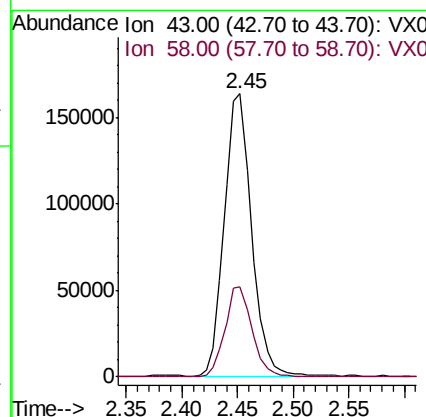
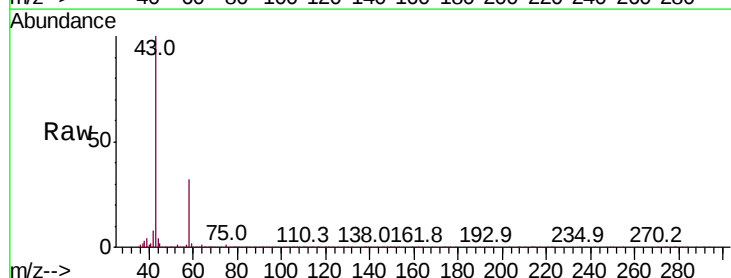
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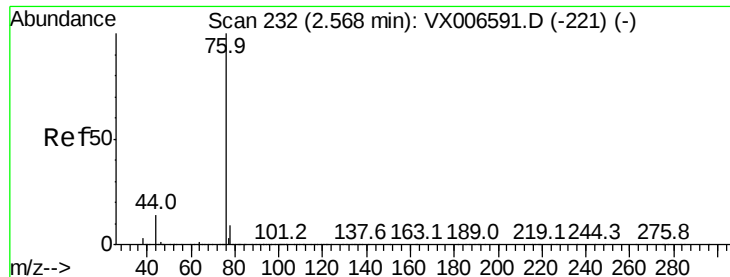
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#16
Acetone
Concen: 103.094 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	277543		
58	31.9		25.0	37.6





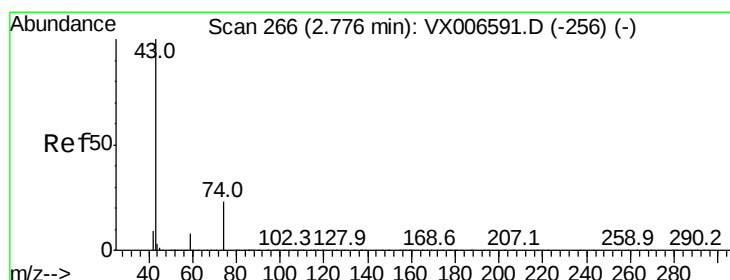
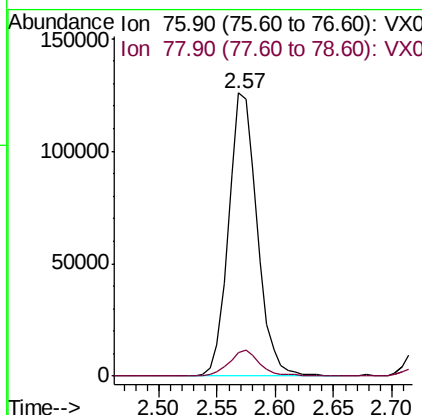
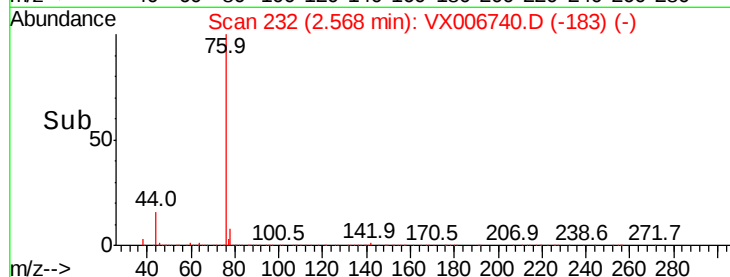
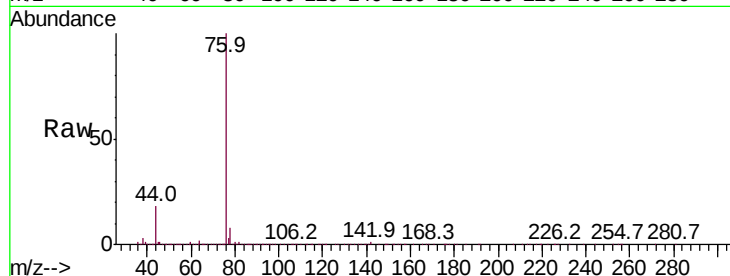
#17
Carbon Disulfide
Concen: 16.766 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.0	10.6

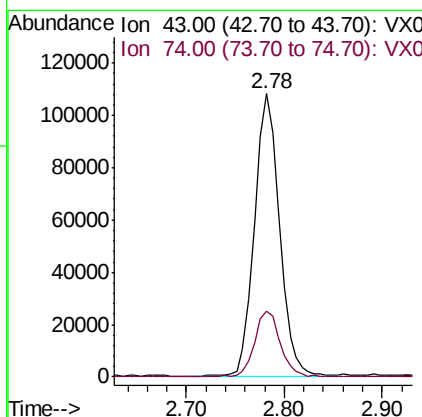
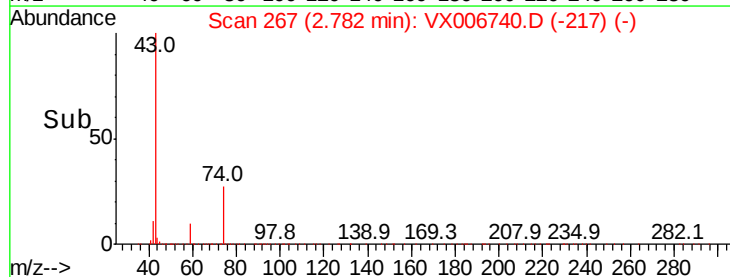
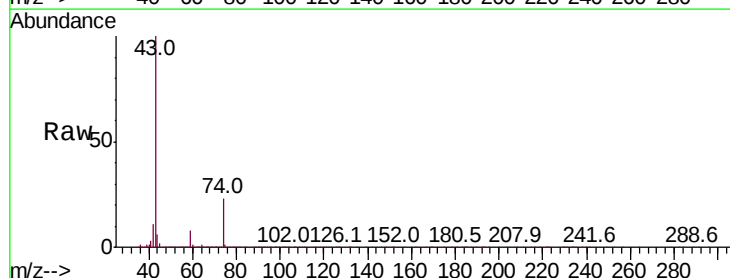
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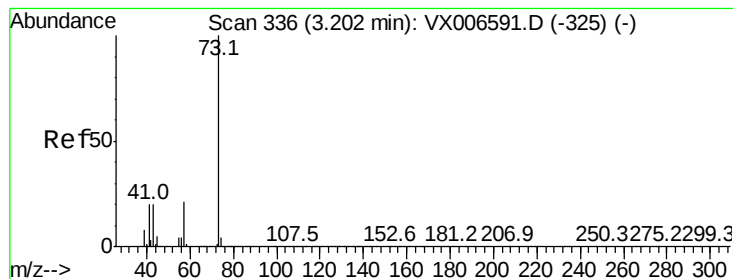
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#18
Methyl Acetate
Concen: 24.267 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.6	28.0





#19

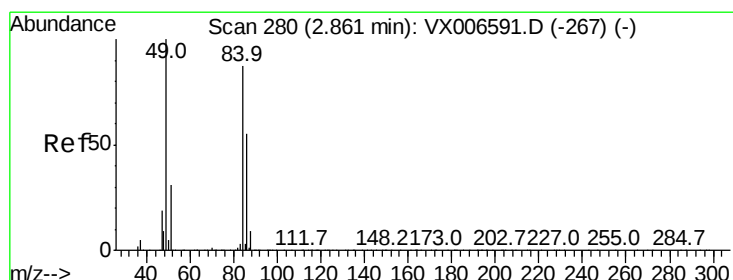
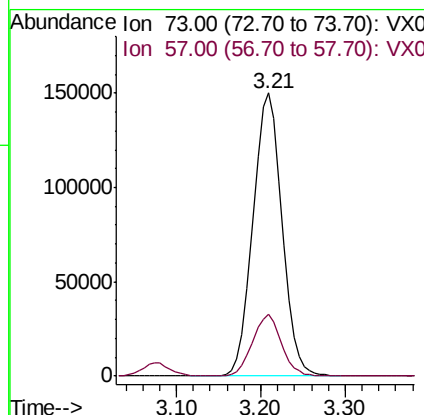
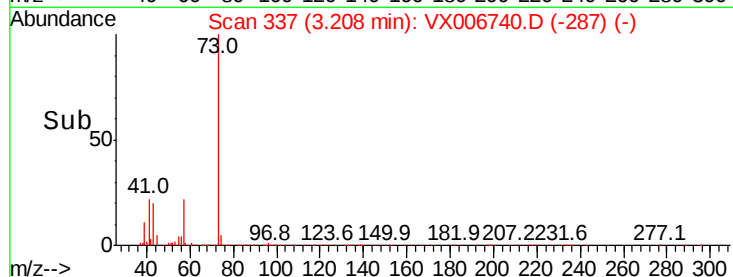
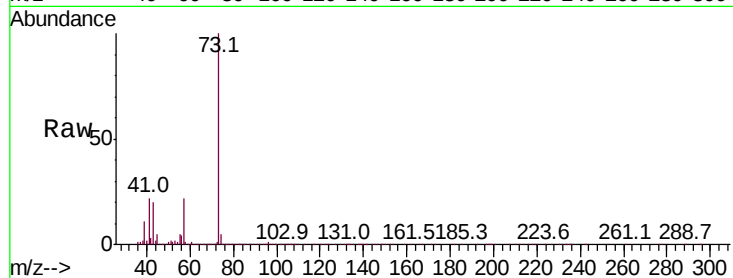
Methyl tert-butyl Ether
 Concen: 21.798 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	16.8	25.2

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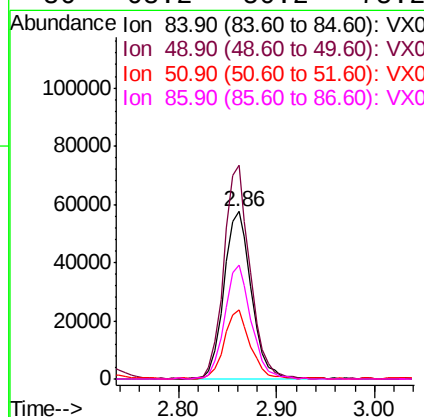
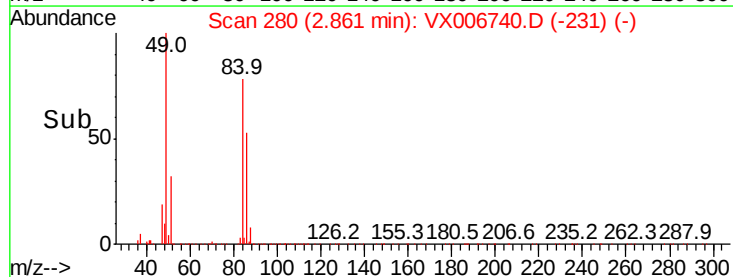
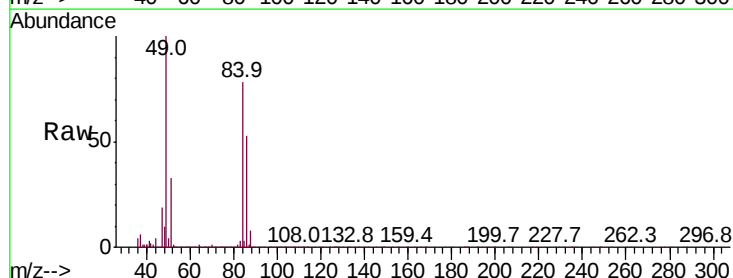
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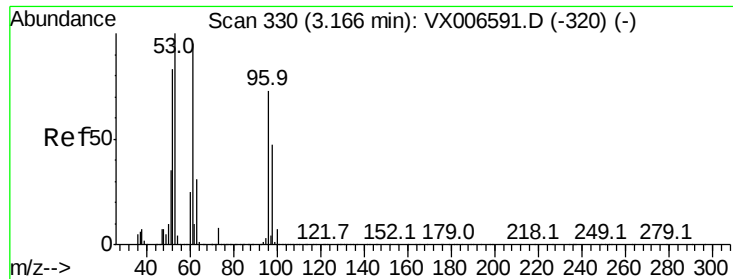


#20

Methylene Chloride
 Concen: 19.924 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.3	91.8	137.6
51	41.3	28.5	42.7
86	68.2	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 19.851 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

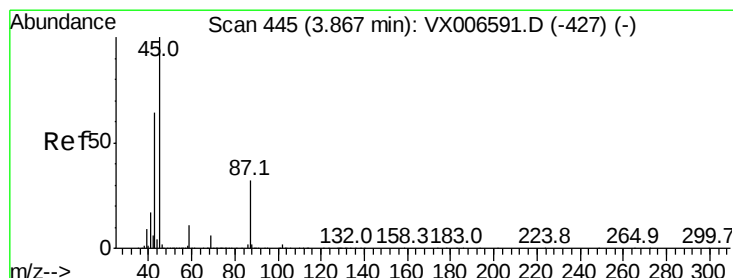
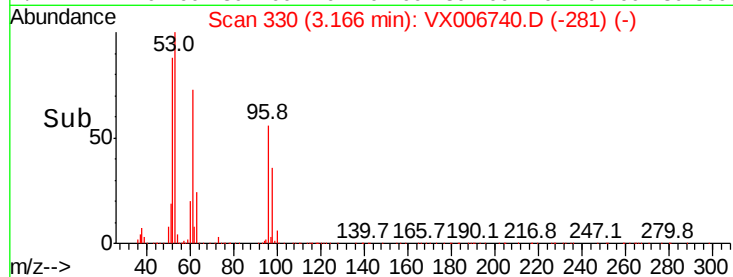
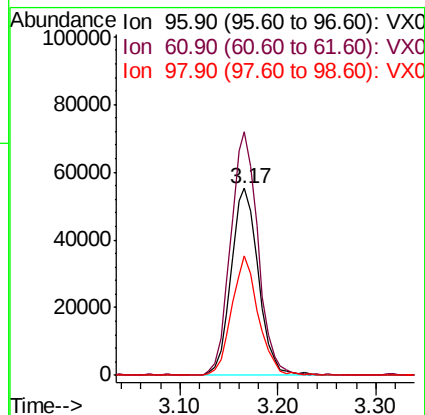
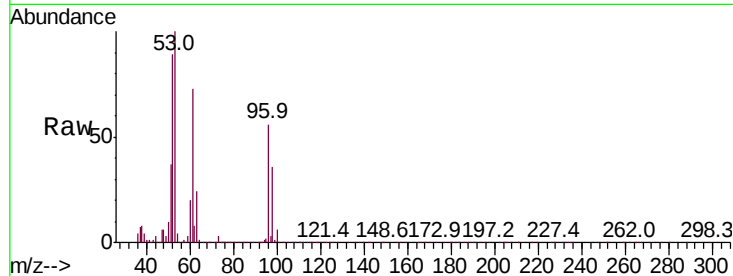
ClientSampleId :

VX1221WBSD02

Tot Ion:	96	Resp:	106847
Ion	Ratio	Lower	Upper
96	100		
61	130.0	103.7	155.5
98	63.5	51.0	76.6

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#22

Diisopropyl ether

Concen: 21.248 ug/l

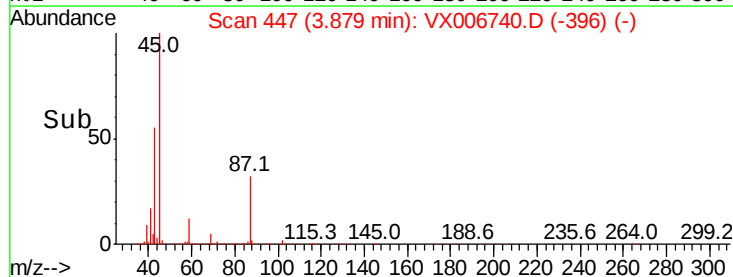
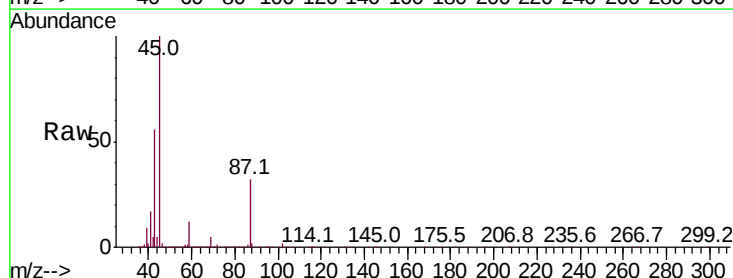
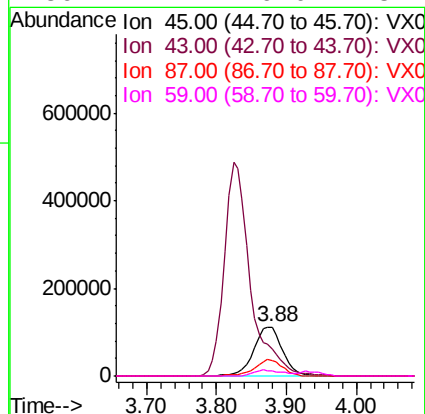
RT: 3.88 min Scan# 447

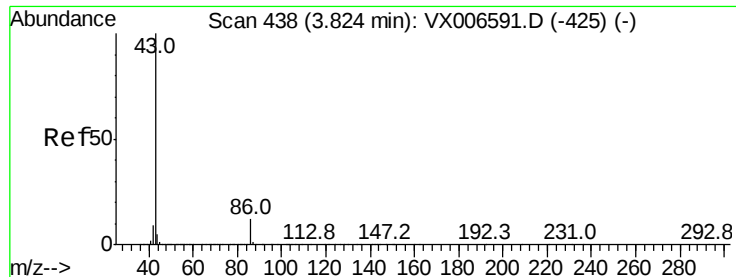
Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	45	Resp:	317848
Ion	Ratio	Lower	Upper
45	100		
43	55.4	51.2	76.8
87	32.0	25.8	38.6
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 103.566 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion: 43 Resp: 1267220

Ion Ratio Lower Upper

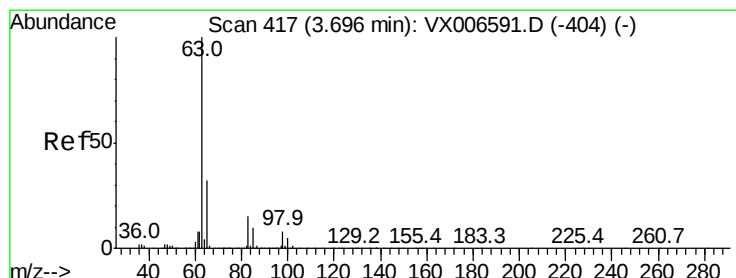
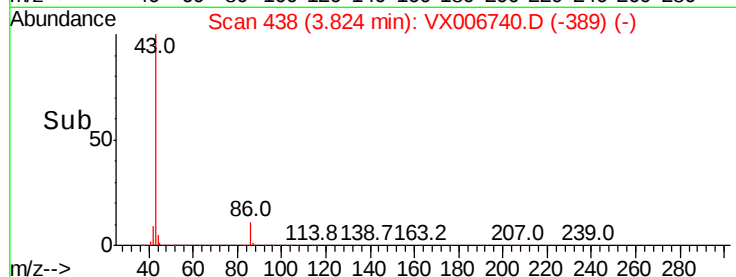
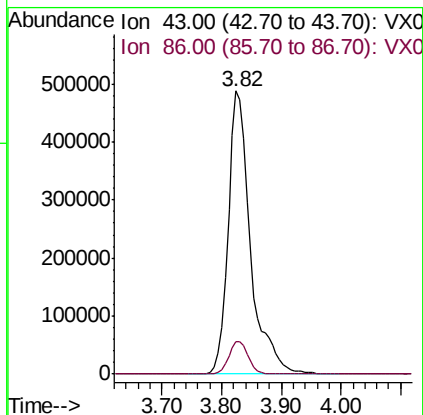
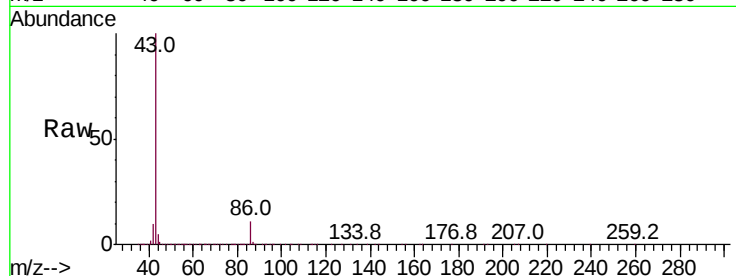
43 100

86 11.3 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 20.207 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

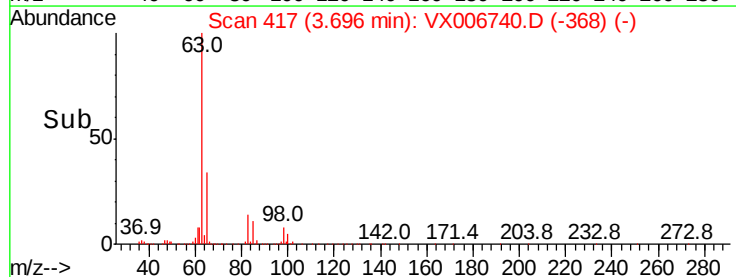
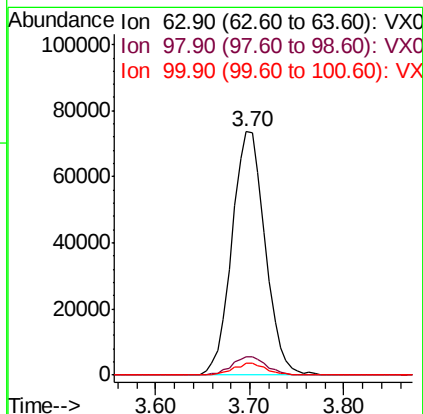
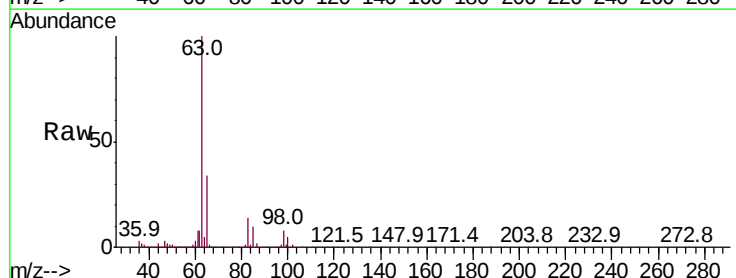
Tgt Ion: 63 Resp: 180443

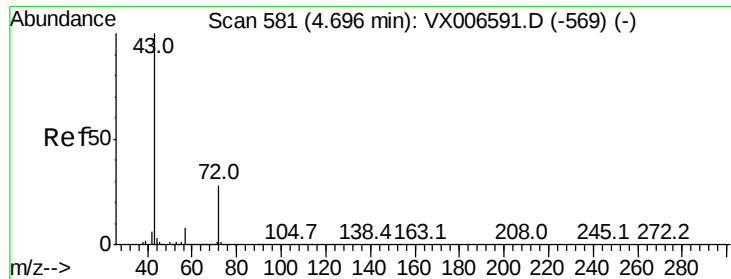
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 108.041 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion: 43 Resp: 409131

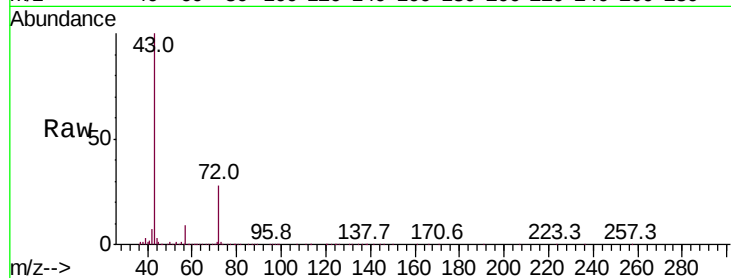
Ion Ratio Lower Upper

43 100

72 27.7 22.4 33.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

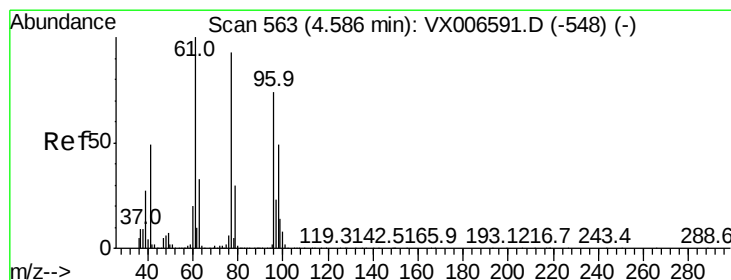
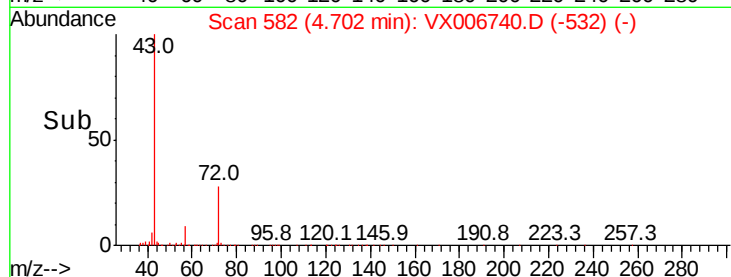
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 12.761 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006740.D

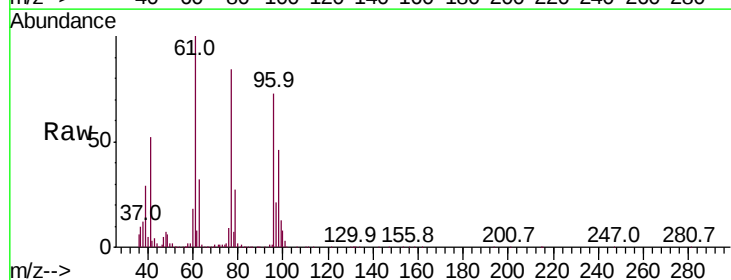
Acq: 21 Dec 2018 23:31

Tgt Ion: 77 Resp: 88026

Ion Ratio Lower Upper

77 100

97 28.3 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

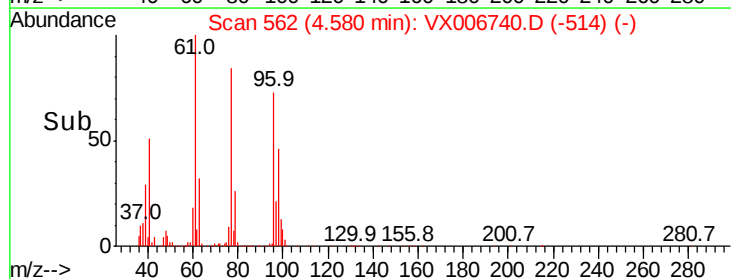
10000

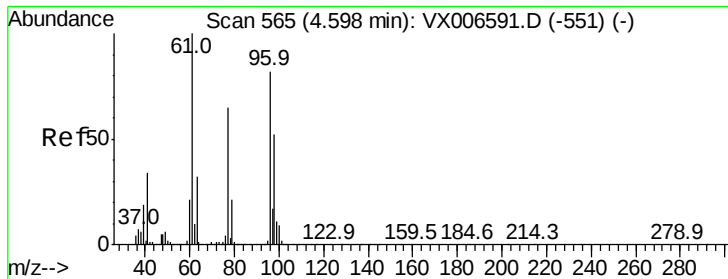
5000

0

4.40 4.50 4.60 4.70

Time-->





#27

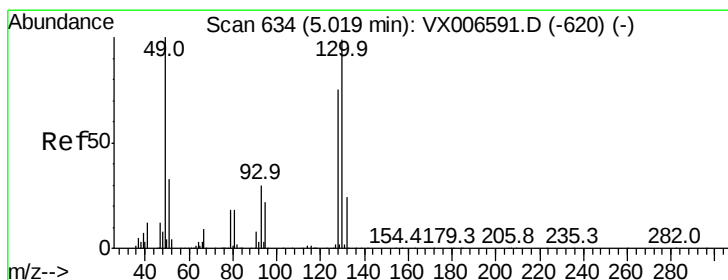
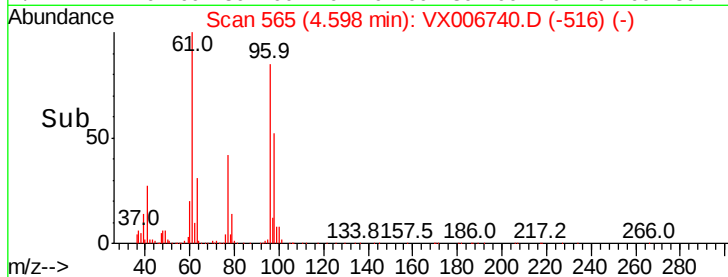
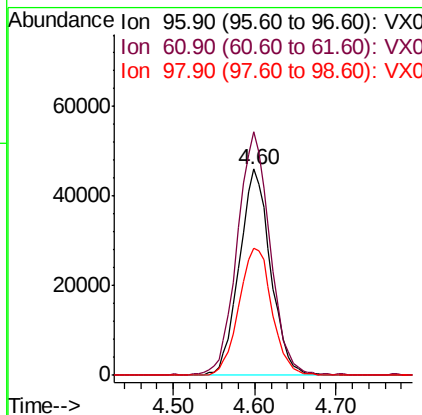
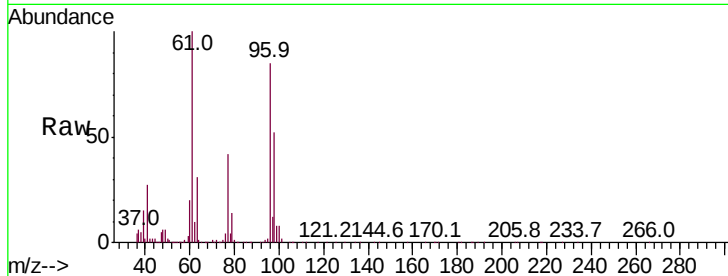
cis-1,2-Dichloroethene
Concen: 20.555 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122064		
61	123.7	0.0	258.6	
98	65.6	0.0	132.0	

Manual Integrations
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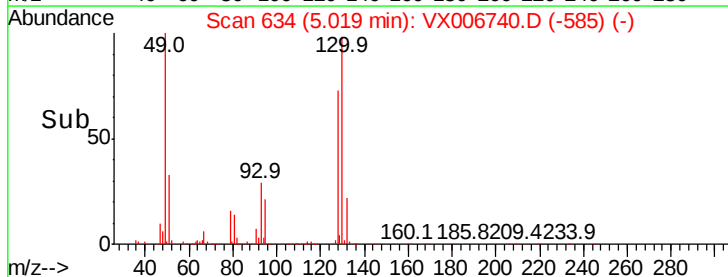
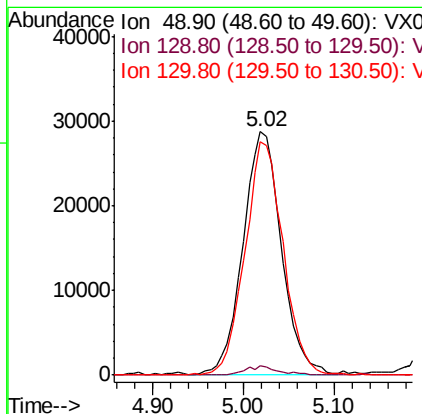
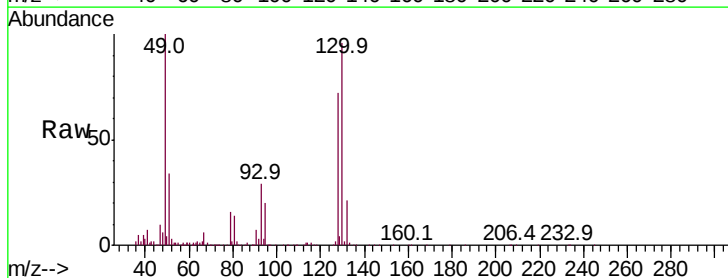
MMDadoda
12/22/2018 11:15:38 AM

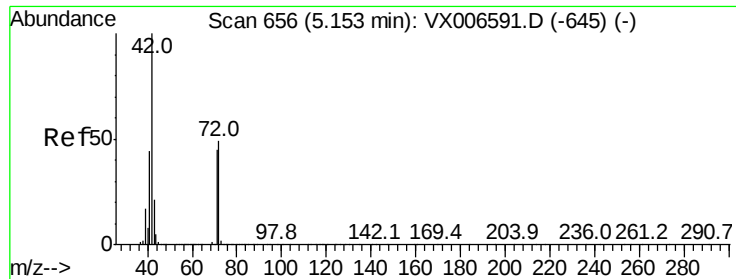


#28

Bromochloromethane
Concen: 21.227 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83919		
129	3.1	0.0	5.4	
130	95.8	77.7	116.5	





#29

Tetrahydrofuran

Concen: 113.003 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

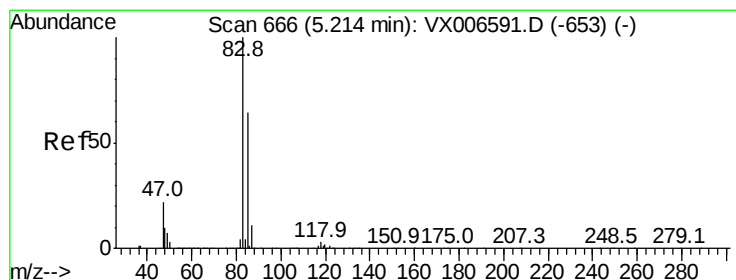
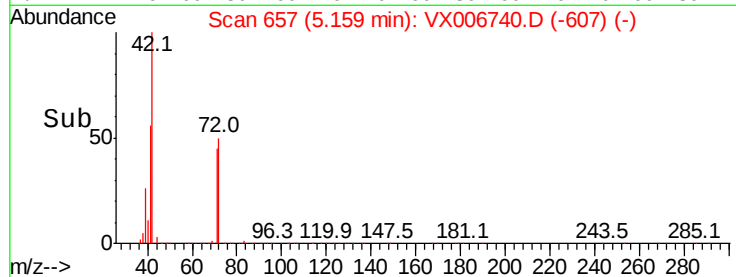
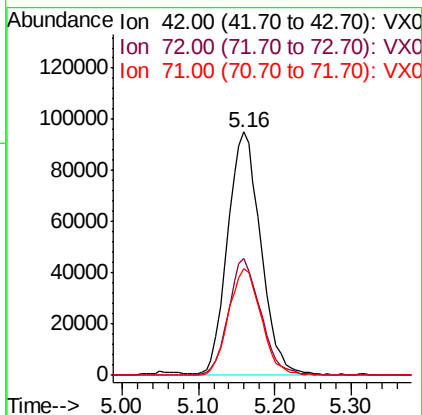
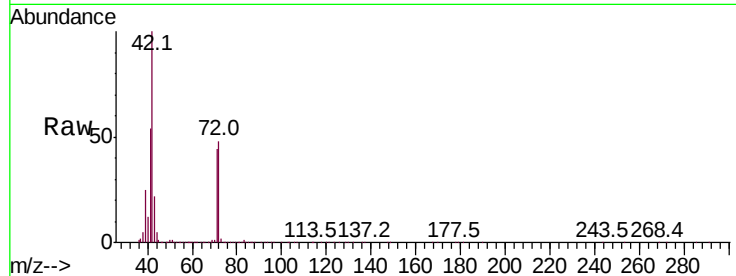
ClientSampleId :

VX1221WBSD02

Tot Ion:	42	Resp:	281845
Ion Ratio		Lower	Upper
42	100		
72	47.5	38.9	58.3
71	43.5	36.2	54.4

Manual Integrations
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#30

Chloroform

Concen: 20.911 ug/l

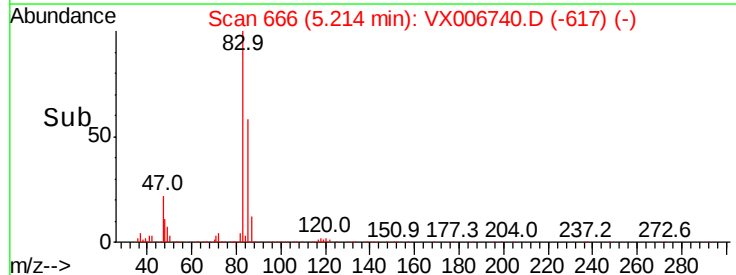
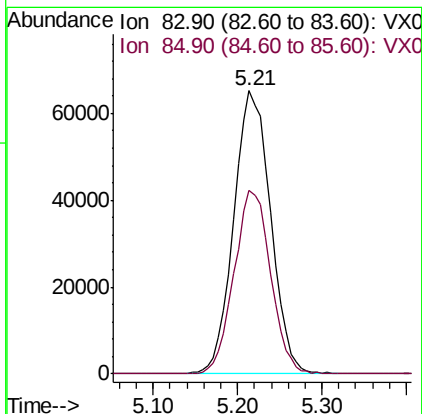
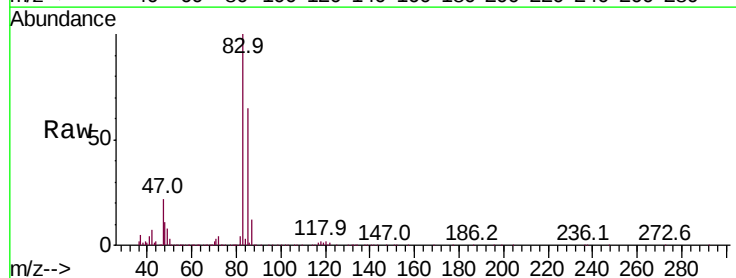
RT: 5.21 min Scan# 666

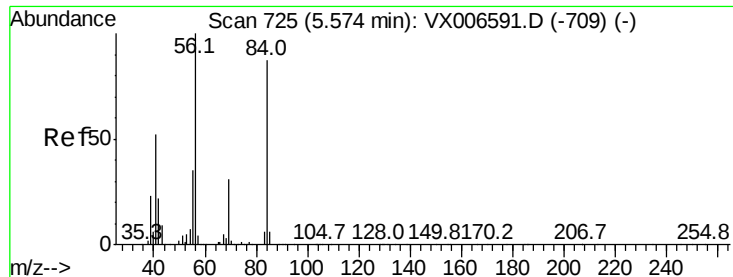
Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	83	Resp:	193367
Ion Ratio		Lower	Upper
83	100		
85	64.9	51.2	76.8





#31

Cyclohexane

Concen: 19.167 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

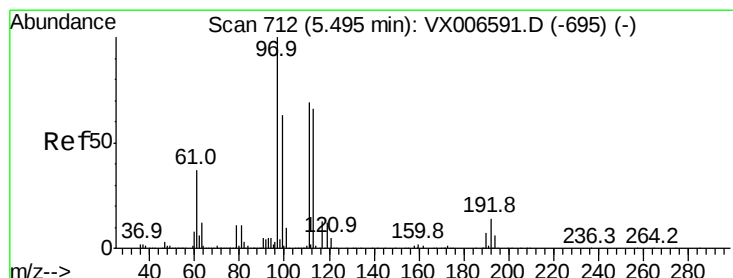
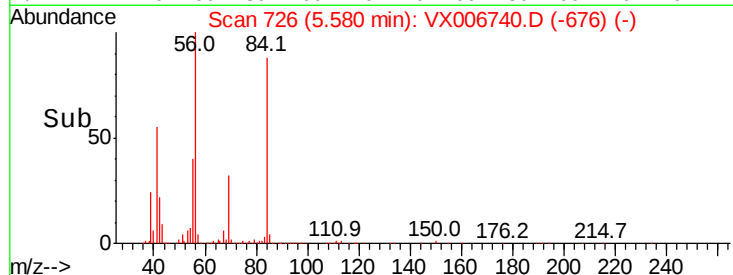
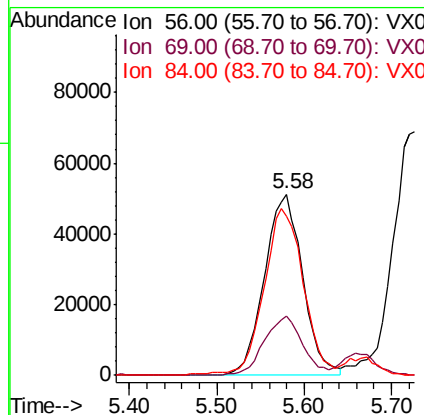
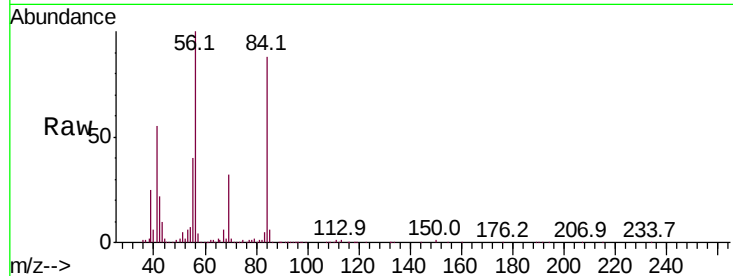
ClientSampleId :

VX1221WBSD02

Tot Ion:	56	Resp:	155491
Ion Ratio	Lower	Upper	
56	100		
69	32.4	24.4	36.6
84	87.2	70.0	105.0

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#32

1,1,1-Trichloroethane

Concen: 19.690 ug/l

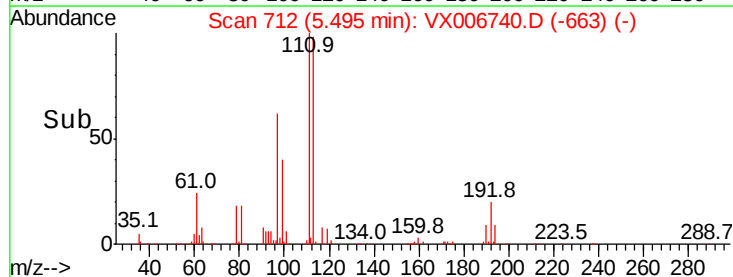
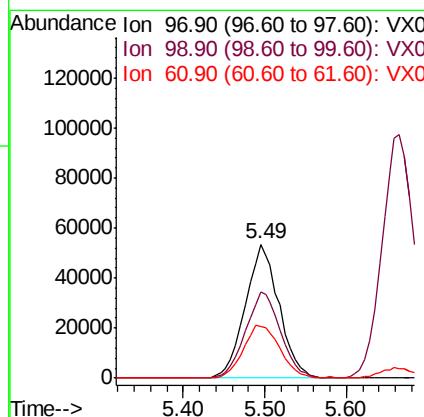
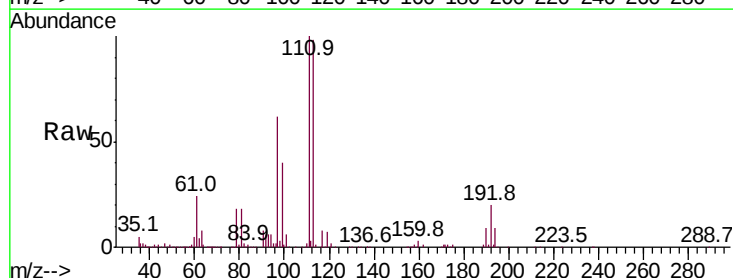
RT: 5.49 min Scan# 712

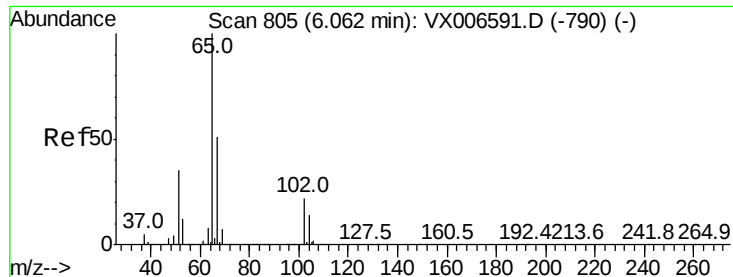
Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	97	Resp:	153747
Ion Ratio	Lower	Upper	
97	100		
99	66.5	51.7	77.5
61	42.2	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 53.000 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion: 65 Resp: 310567

Ion Ratio Lower Upper

65 100

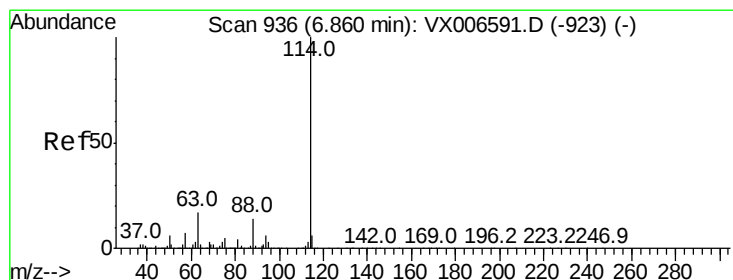
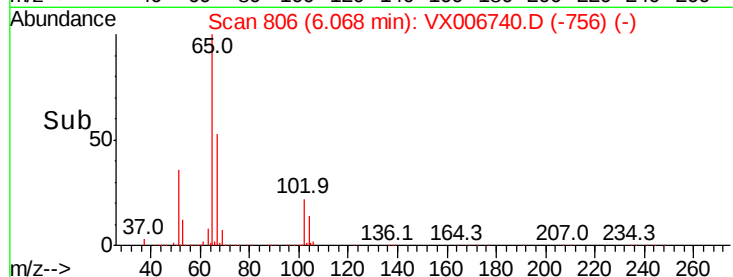
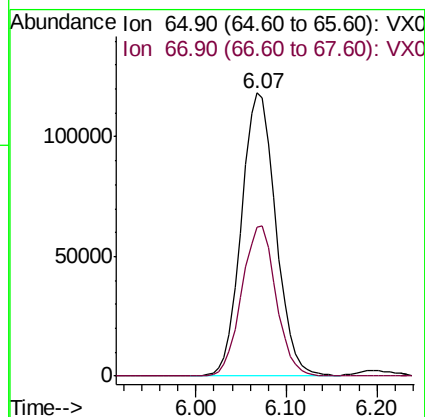
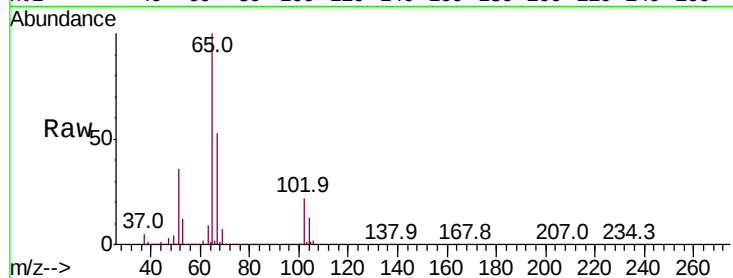
67 52.9 0.0 105.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

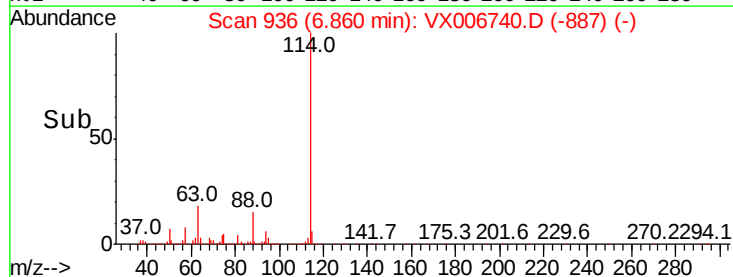
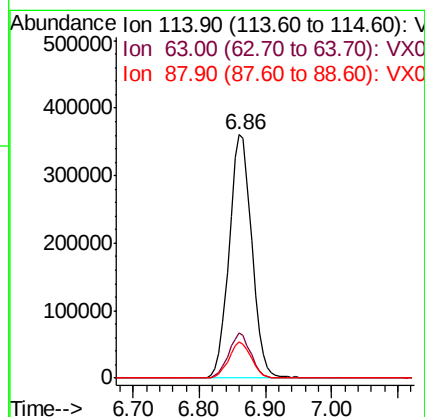
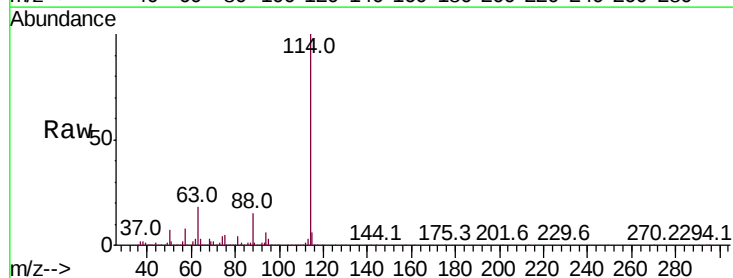
Tgt Ion: 114 Resp: 857767

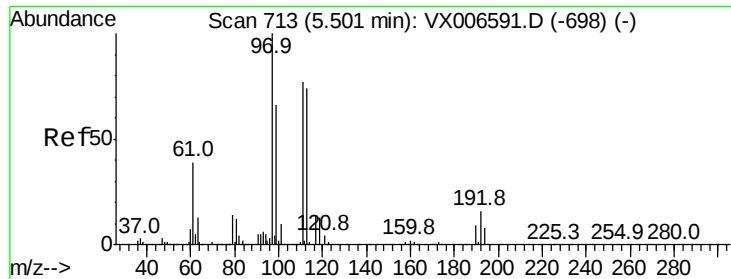
Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

88 14.9 0.0 28.8





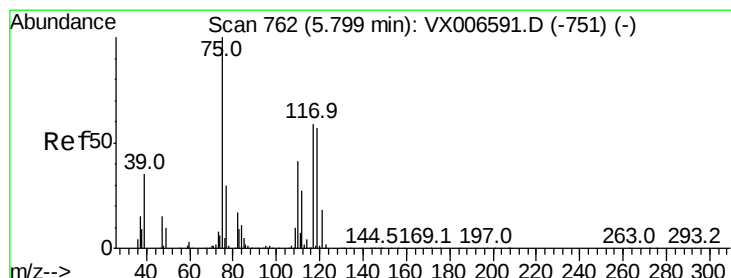
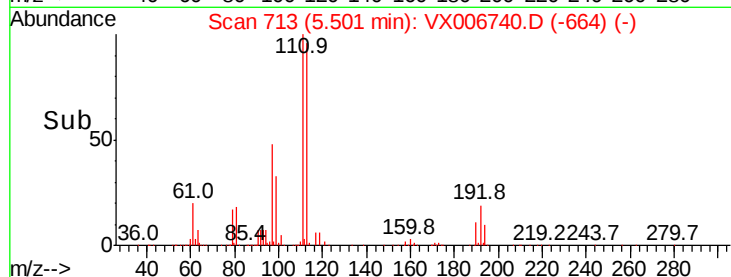
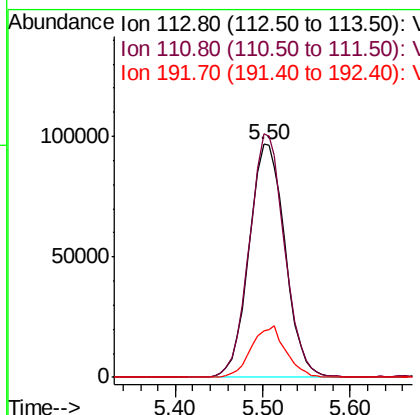
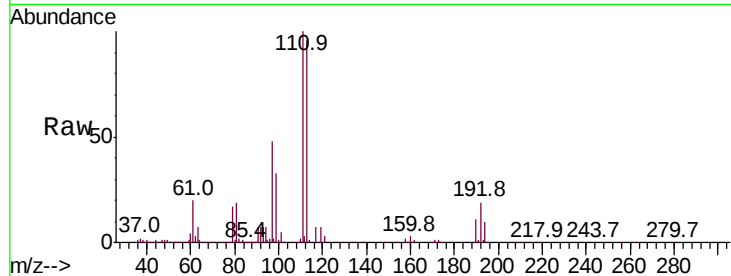
#35
Dibromofluoromethane
Concen: 51.230 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	277891		
111	101.7		81.6	122.4
192	21.0		16.7	25.1

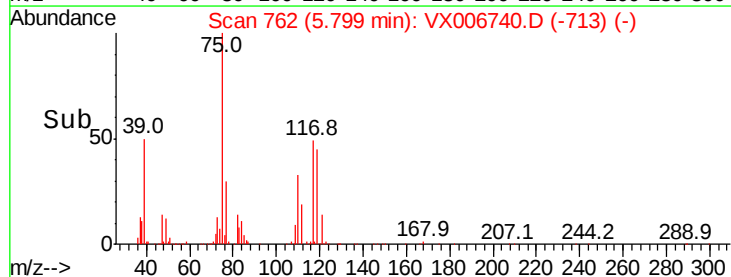
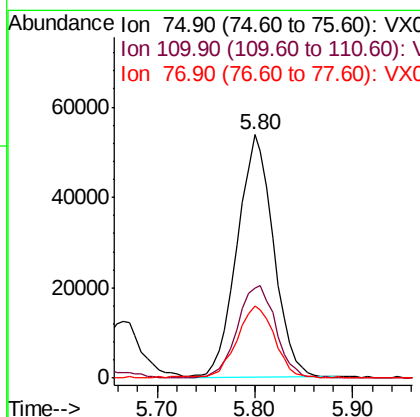
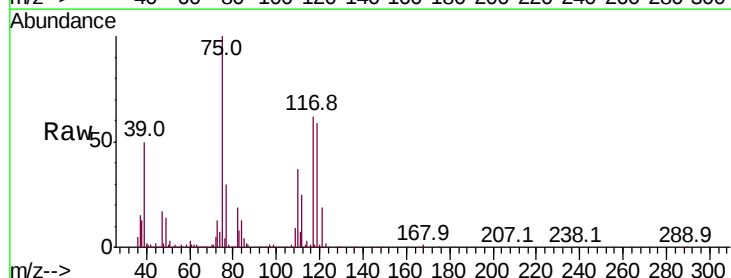
Manual Integrations
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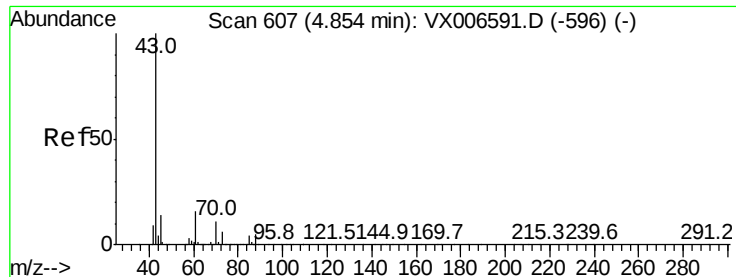
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#36
1,1-Dichloropropene
Concen: 19.453 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	138197		
110	40.8		20.2	60.5
77	30.8		24.8	37.2





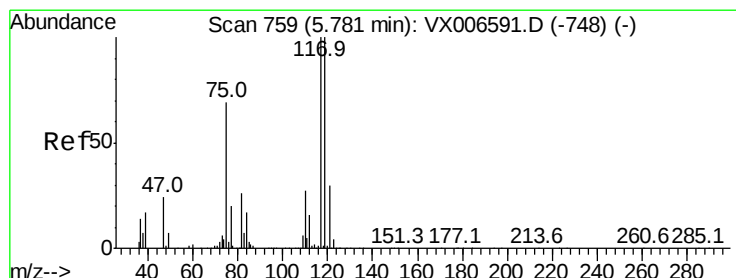
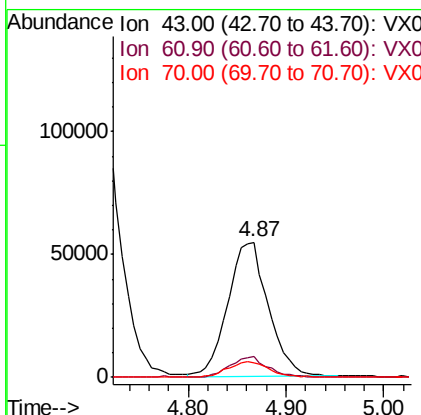
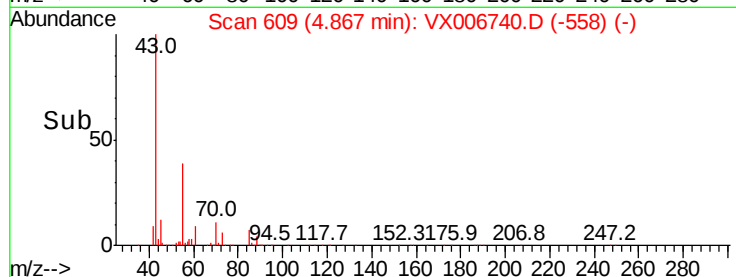
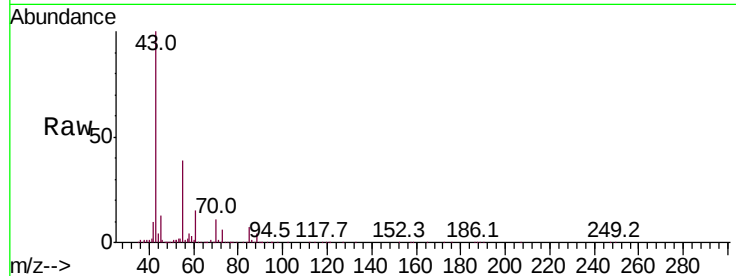
#37
Ethyl Acetate
Concen: 21.225 ug/l
RT: 4.87 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	11.9	9.7	14.5

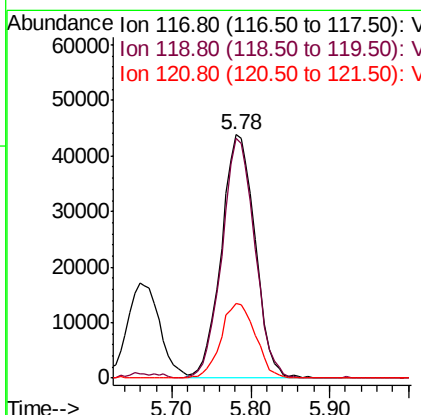
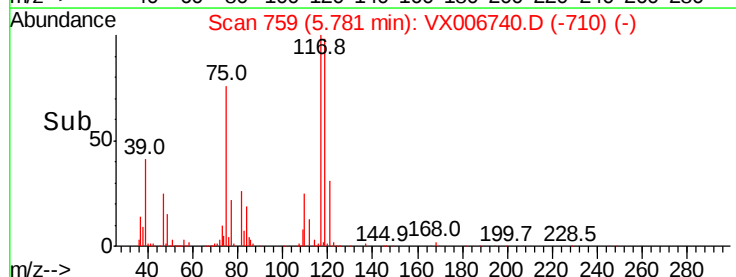
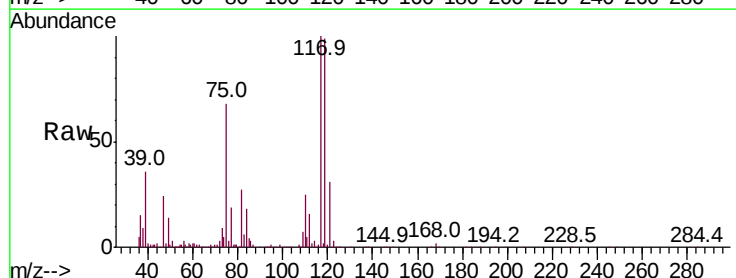
Manual Integrations
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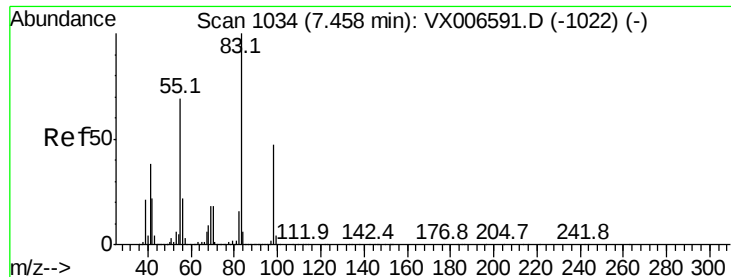
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#38
Carbon Tetrachloride
Concen: 18.857 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	79.4	119.2
121	30.9	24.0	36.0





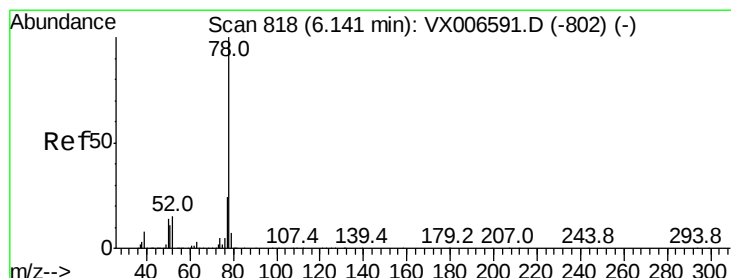
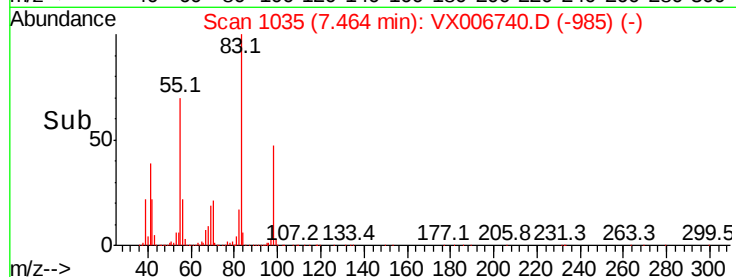
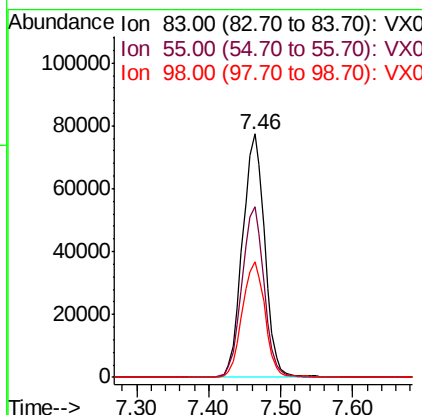
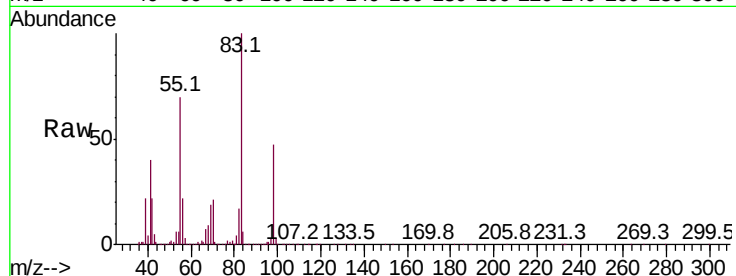
#39
Methvlcvclohexane
Concen: 17.734 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.0	54.9	82.3
98	47.3	37.9	56.9

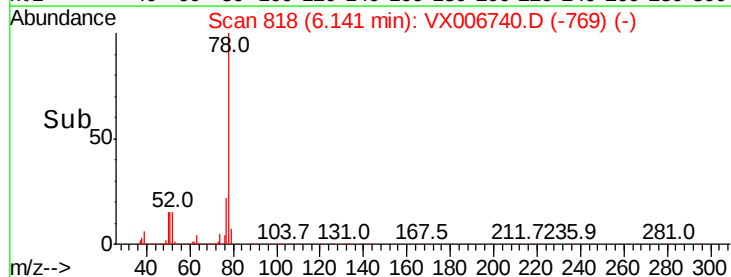
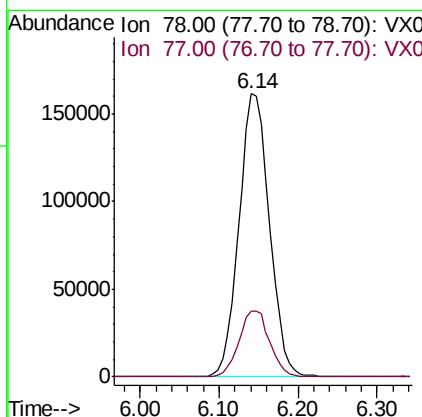
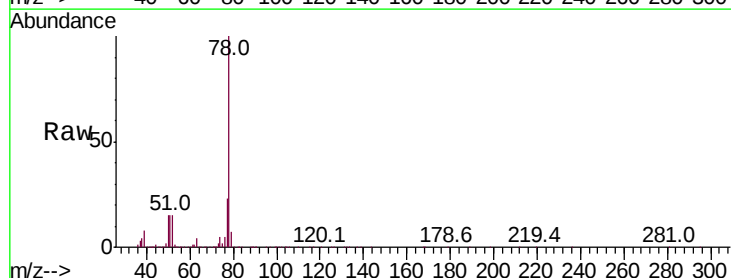
Manual Integrations
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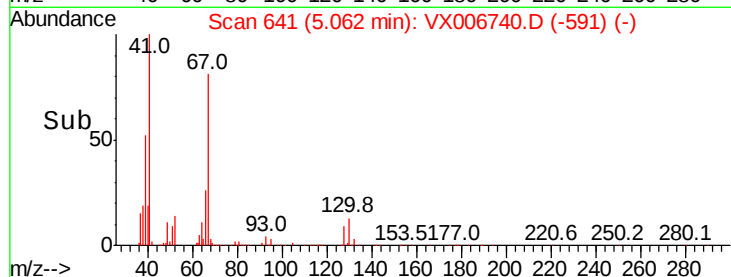
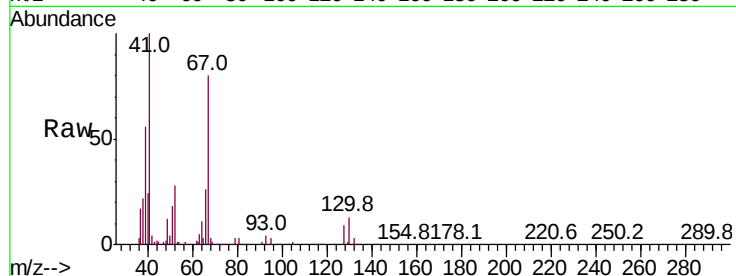
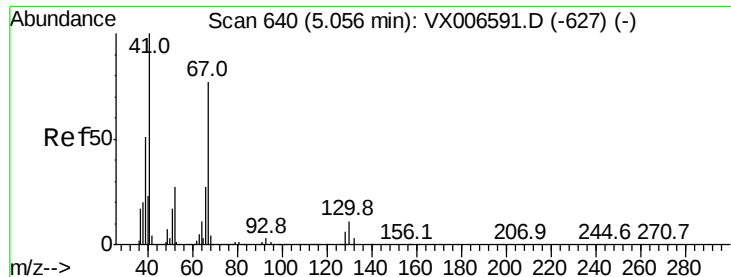
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#40
Benzene
Concen: 20.087 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8





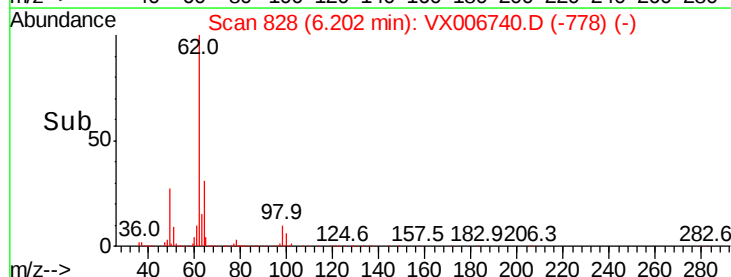
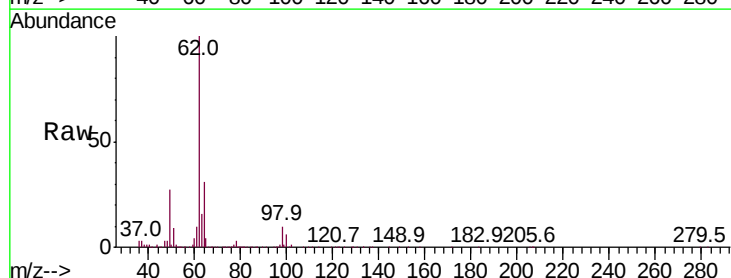
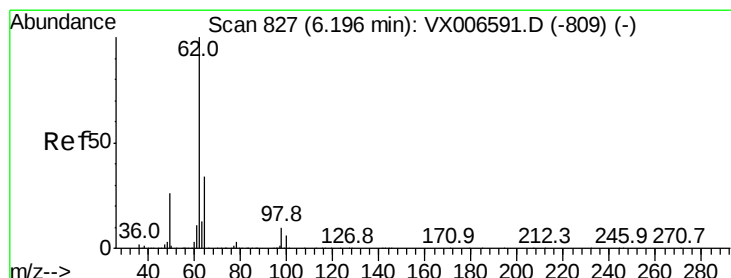
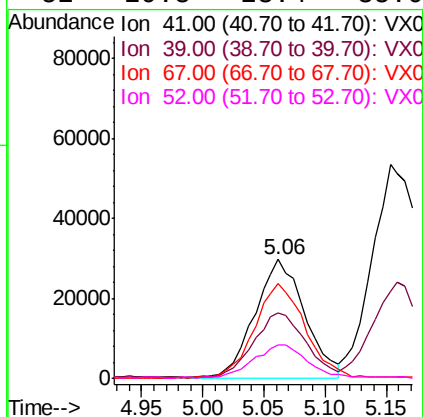
#41
Methacrylonitrile
Concen: 21.321 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.6	42.8	64.2	
67	80.9	62.1	93.1	
52	29.8	23.4	35.0	

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

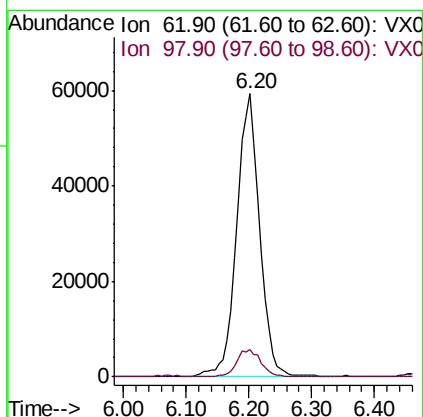
Manual Integrations
APPROVED

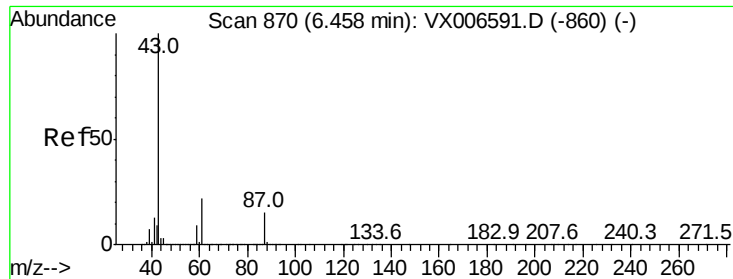
MMDadoda
12/22/2018 11:15:38 AM



#42
1,2-Dichloroethane
Concen: 20.287 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.2	





#43

Isopropyl Acetate

Concen: 20.632 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

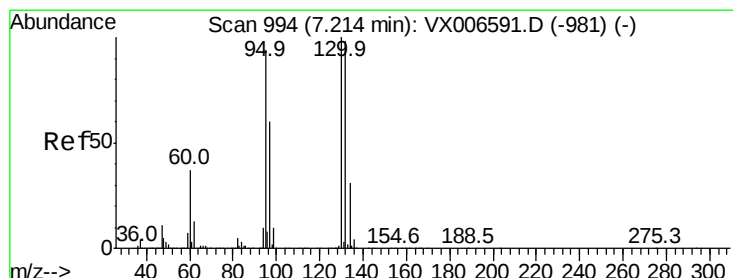
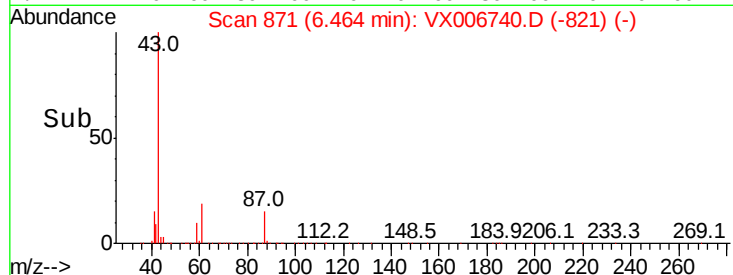
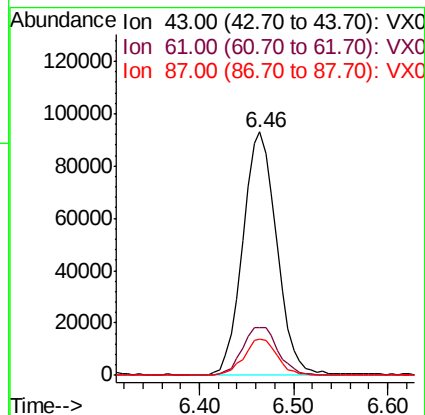
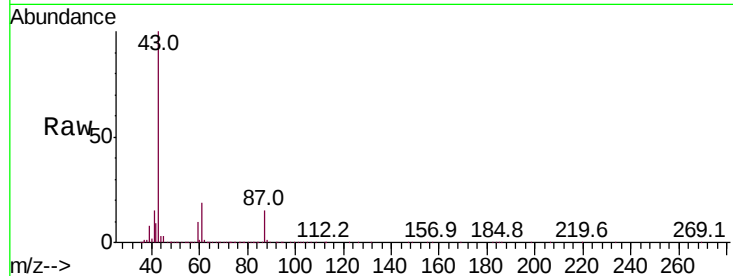
ClientSampleId :

VX1221WBSD02

Tot Ion:	43	Resp:	232121
Ion Ratio	Lower	Upper	
43	100		
61	20.8	16.8	25.2
87	14.7	12.4	18.6

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#44

Trichloroethene

Concen: 19.178 ug/l

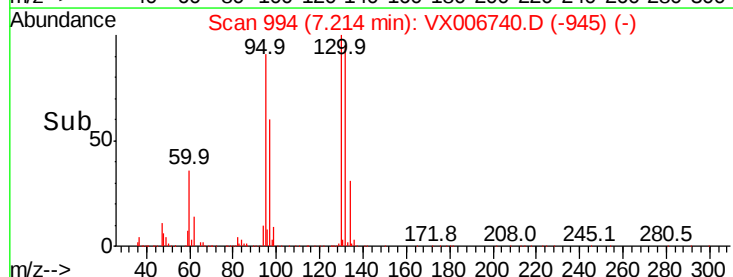
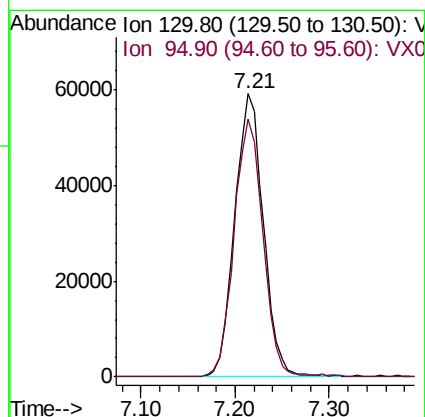
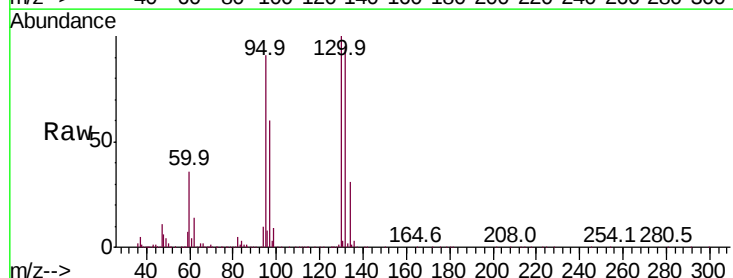
RT: 7.21 min Scan# 994

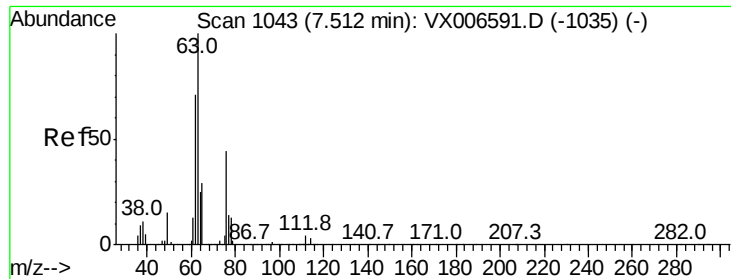
Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	130	Resp:	125349
Ion Ratio	Lower	Upper	
130	100		
95	90.9	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.390 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion: 63 Resp: 107149

Ion Ratio Lower Upper

63 100

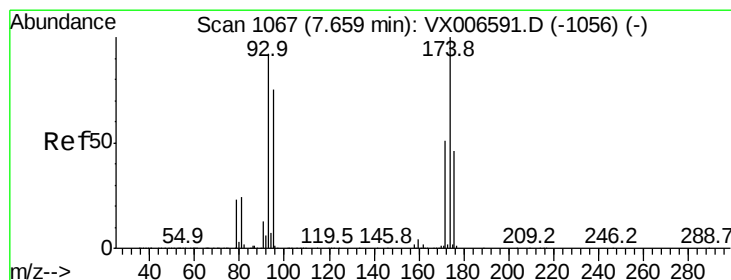
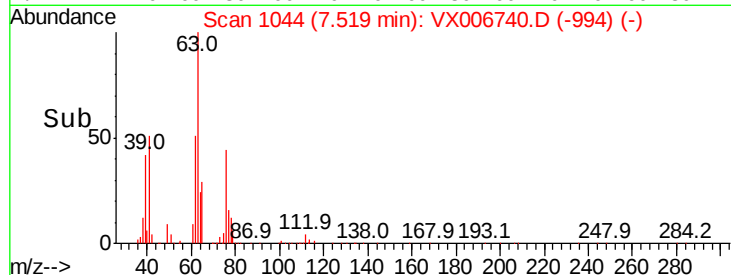
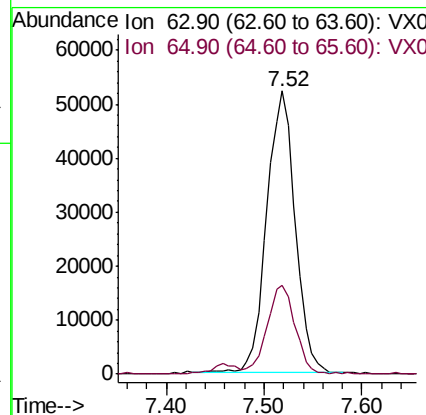
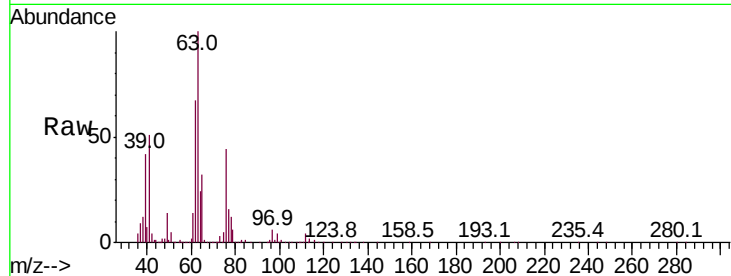
65 31.1 25.4 38.0

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#46

Dibromomethane

Concen: 19.952 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

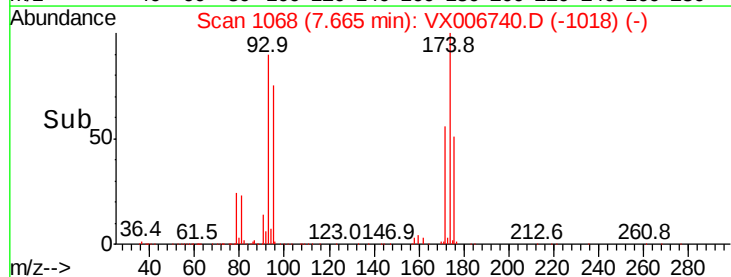
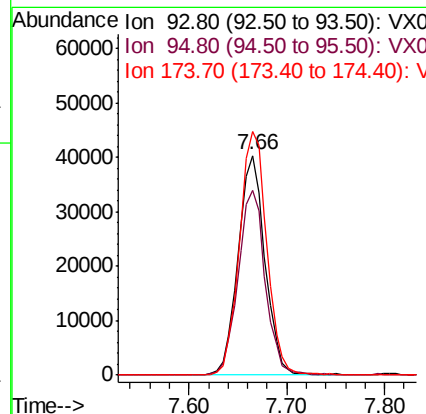
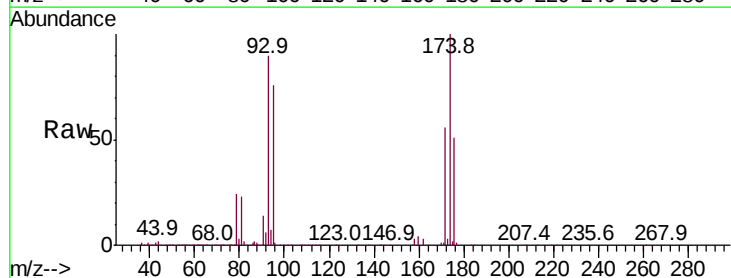
Tgt Ion: 93 Resp: 77121

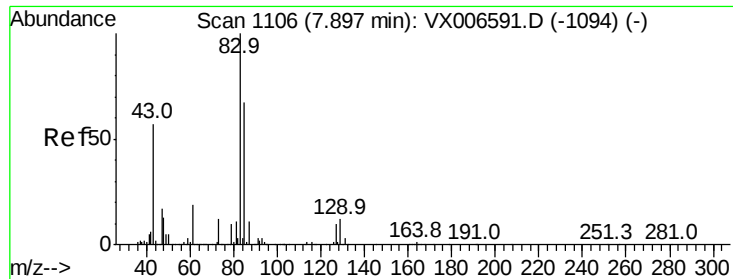
Ion Ratio Lower Upper

93 100

95 84.5 66.2 99.4

174 112.8 91.0 136.4





#47

Bromodichloromethane

Concen: 19.167 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

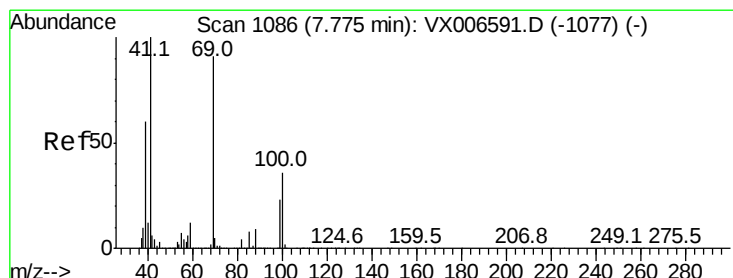
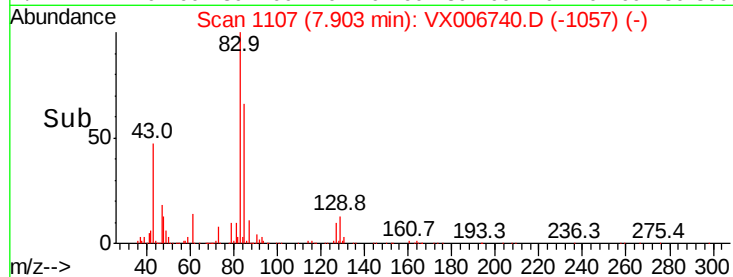
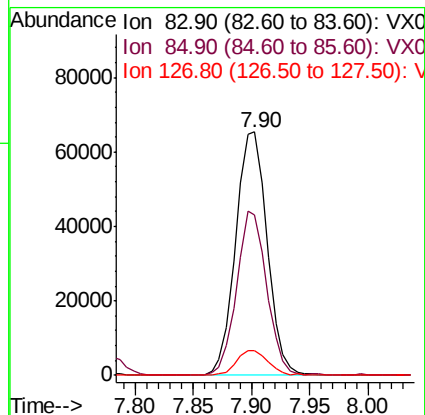
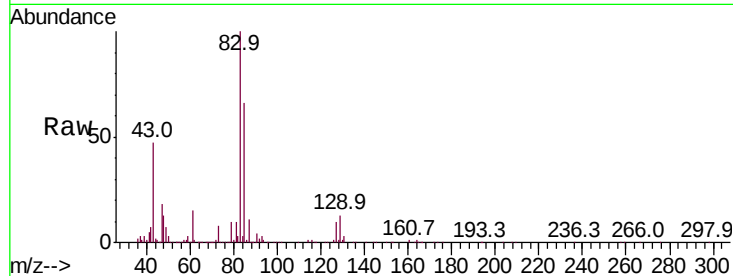
ClientSampleId :

VX1221WBSD02

Tot Ion:	83	Resp:	122999
Ion Ratio	Lower	Upper	
83	100		
85	66.0	53.2	79.8
127	10.3	7.8	11.6

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#48

Methyl methacrylate

Concen: 20.997 ug/l

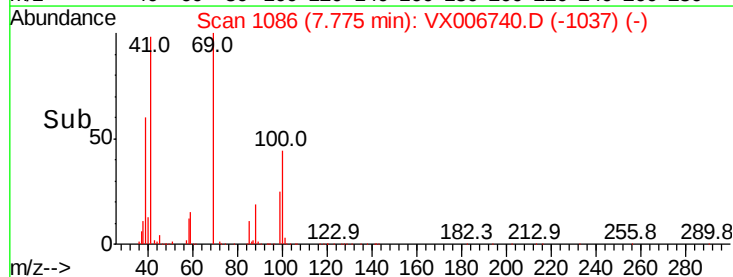
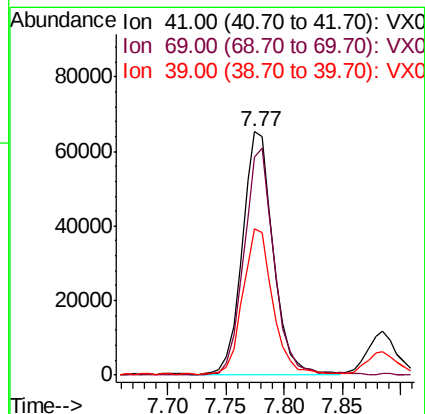
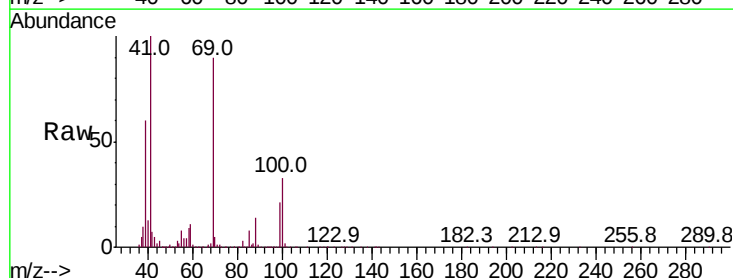
RT: 7.77 min Scan# 1086

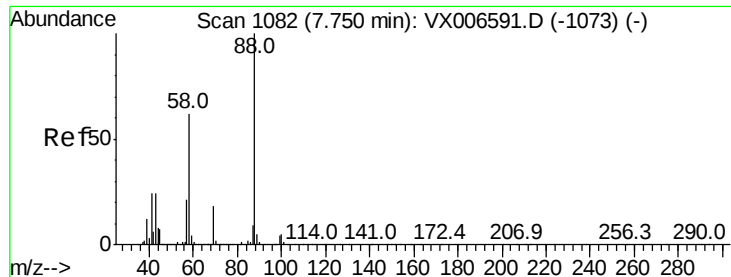
Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	41	Resp:	120128
Ion Ratio	Lower	Upper	
41	100		
69	91.2	72.4	108.6
39	57.9	45.8	68.8





#49

1,4-Dioxane

Concen: 404.747 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

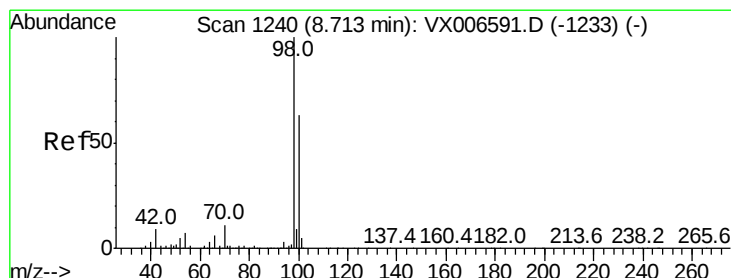
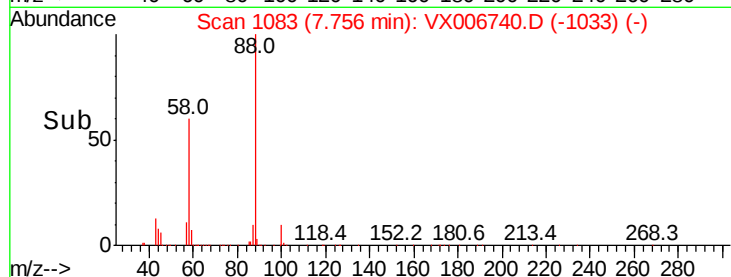
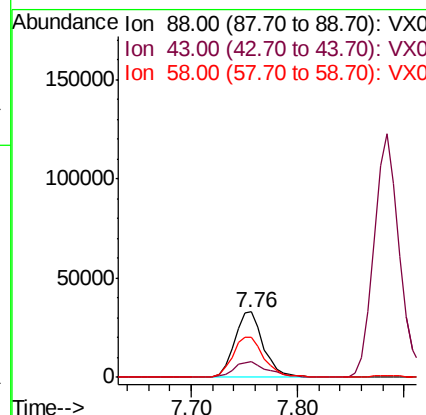
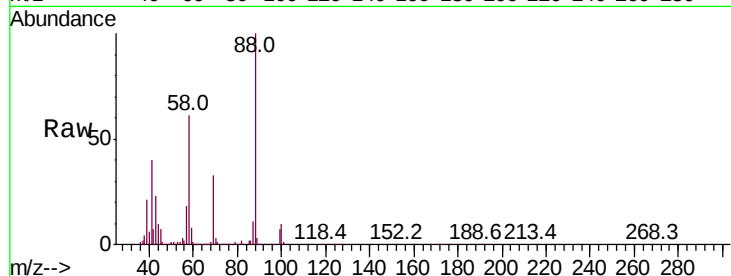
ClientSampleId :

VX1221WBSD02

Tot Ion:	88	Resp:	62360
Ion	Ratio	Lower	Upper
88	100		
43	28.4	22.2	33.4
58	67.1	51.0	76.4

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#50

Toluene-d8

Concen: 49.540 ug/l

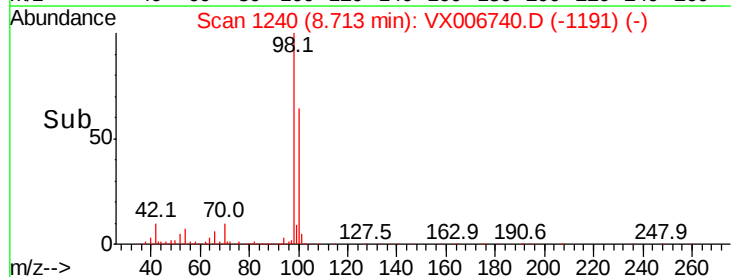
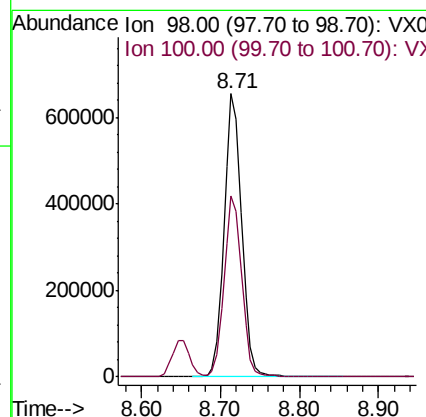
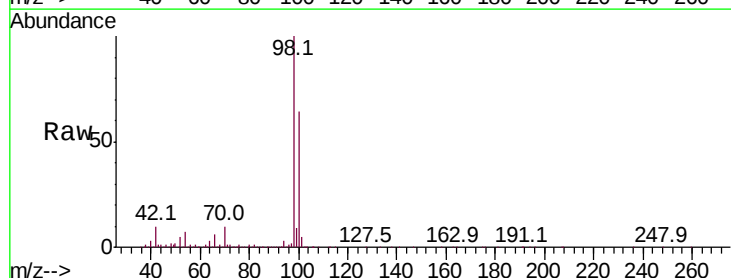
RT: 8.71 min Scan# 1240

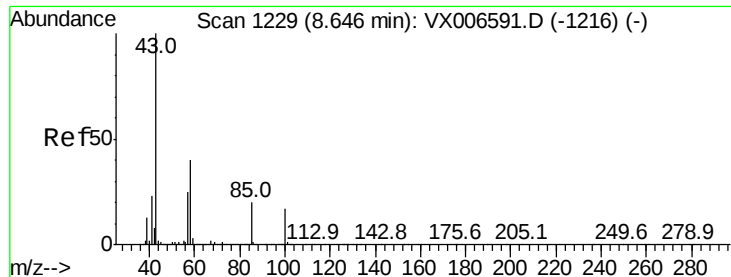
Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	98	Resp:	1013086
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0





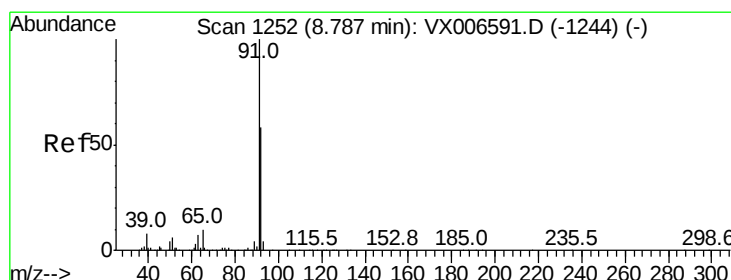
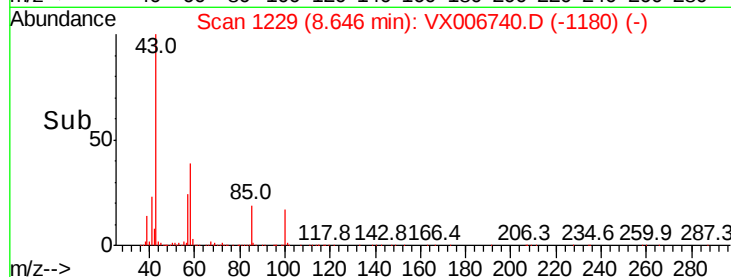
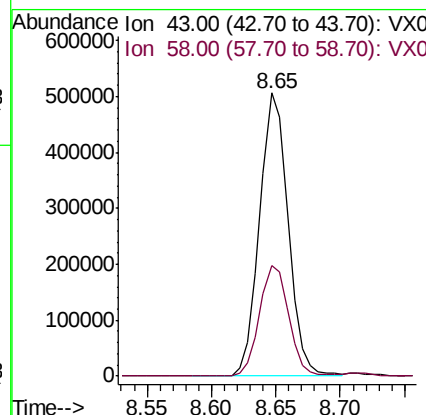
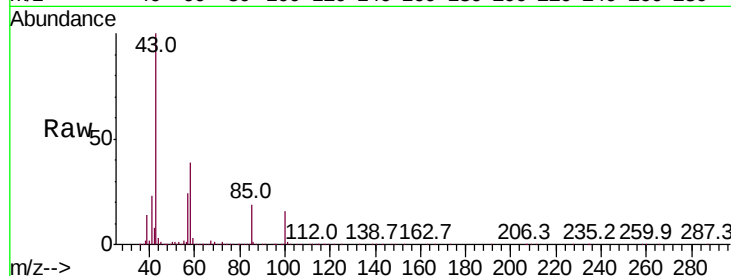
#51
4-Methyl-2-Pentanone
Concen: 108.157 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.8	47.6

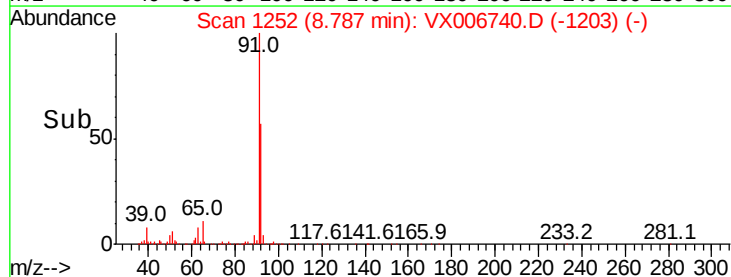
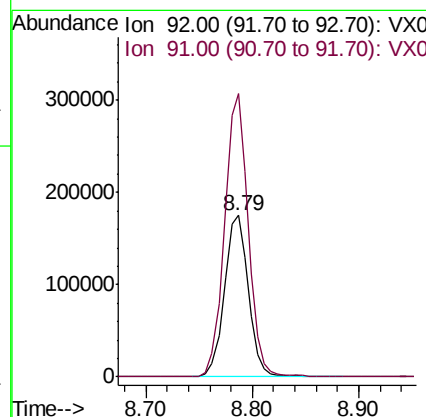
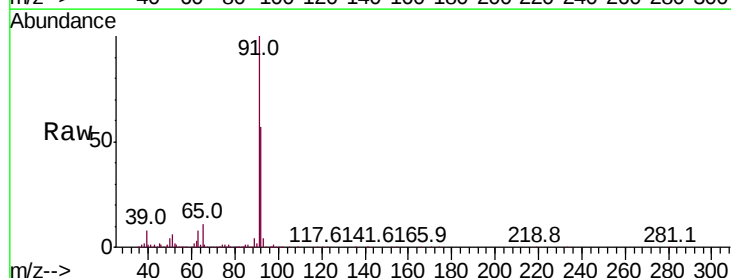
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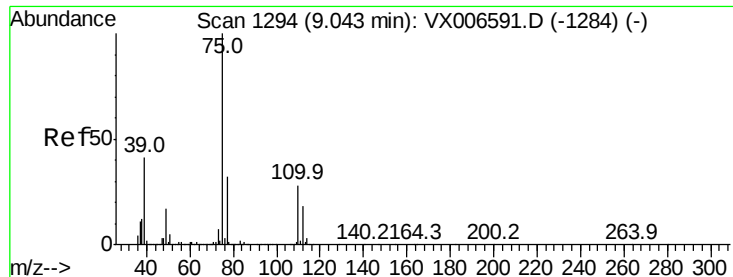
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#52
Toluene
Concen: 19.648 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.6	206.4





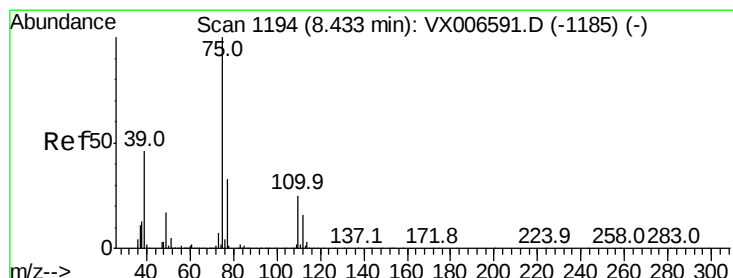
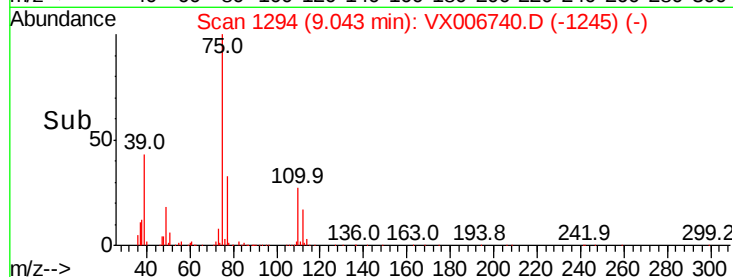
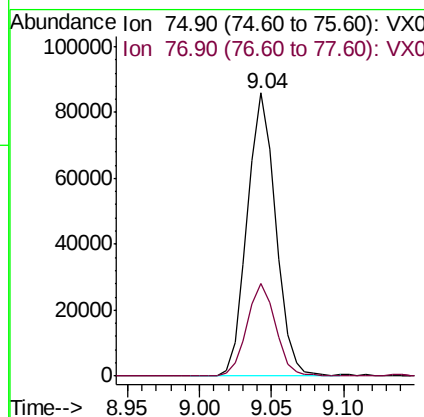
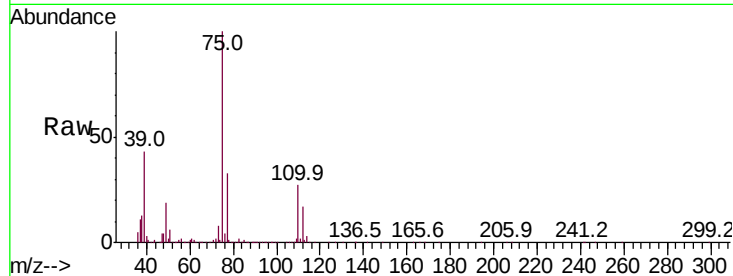
#53
t-1,3-Dichloropropene
Concen: 17.163 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.0

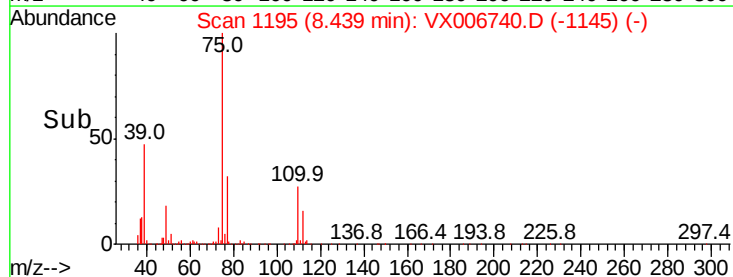
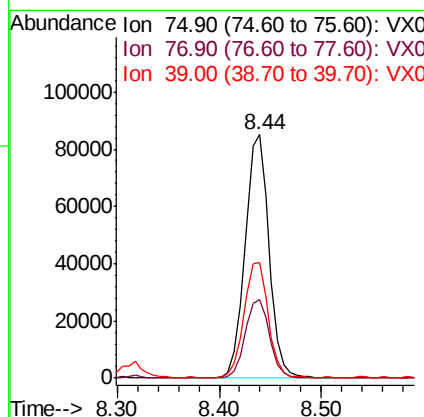
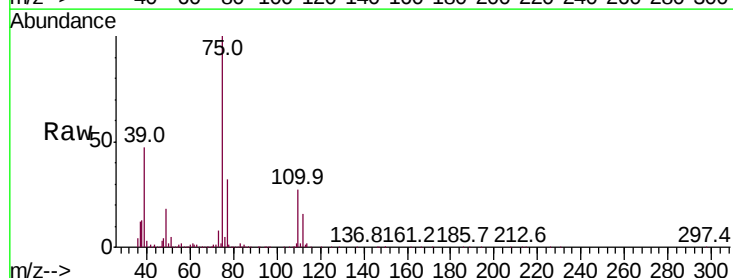
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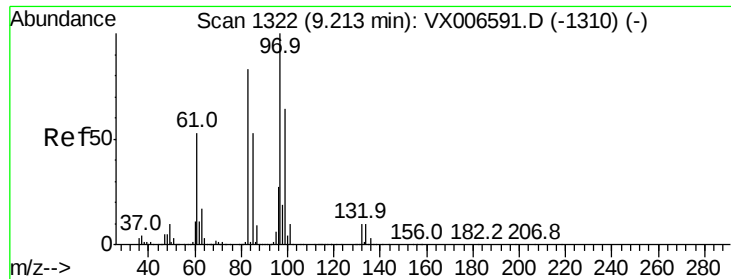
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#54
cis-1,3-Dichloropropene
Concen: 18.281 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.2	39.2
39	46.7	36.7	55.1





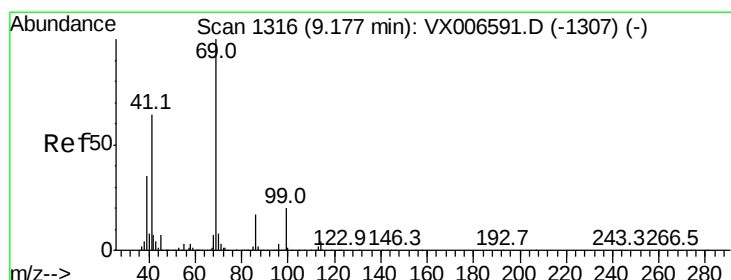
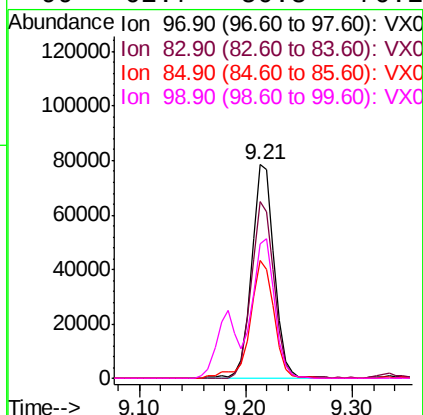
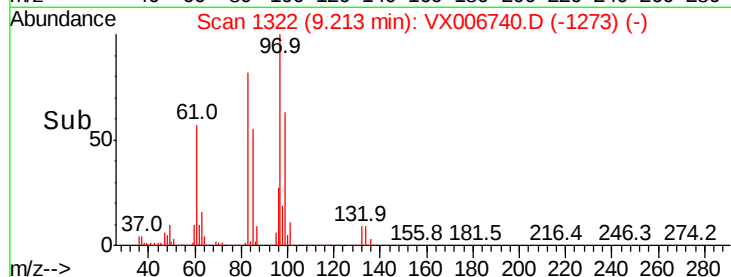
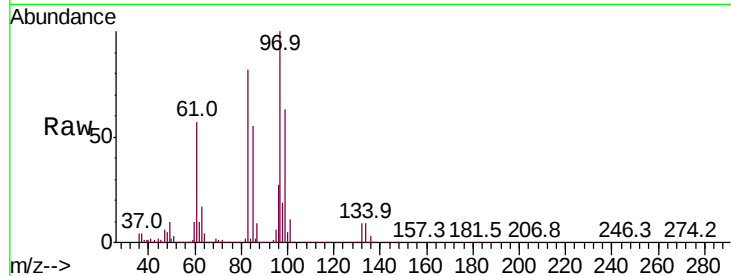
#55
1,1,2-Trichloroethane
Concen: 20.478 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.5	66.6	99.8
85	55.0	42.7	64.1
99	62.7	50.8	76.2

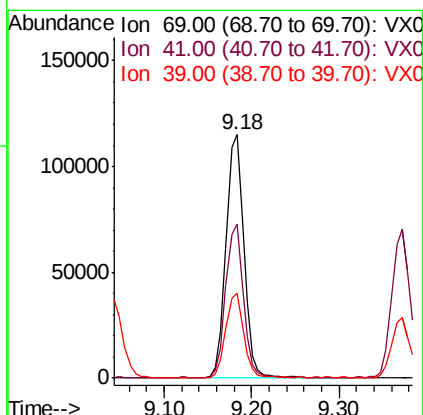
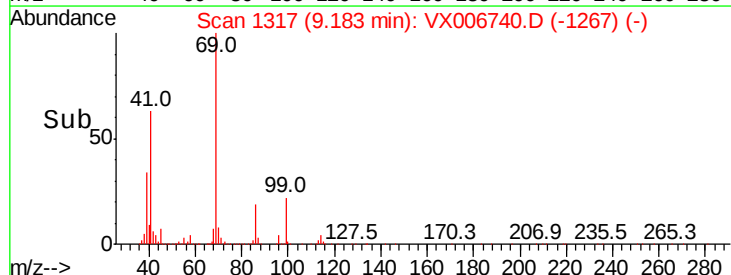
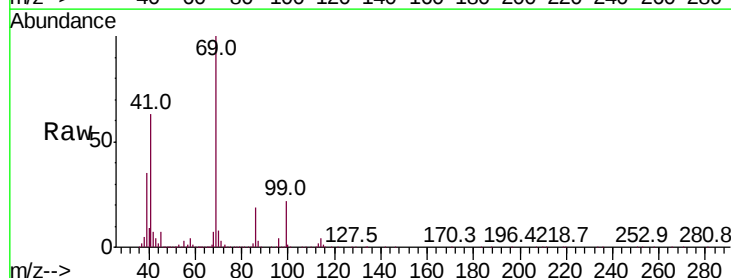
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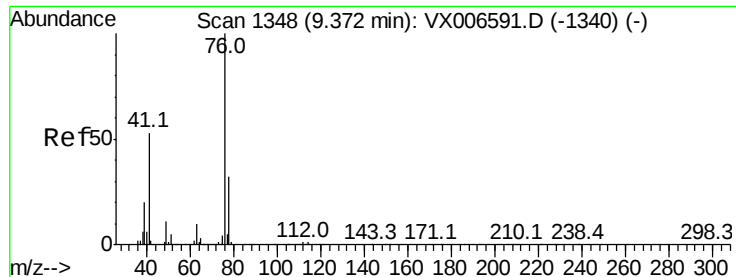
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#56
Ethyl methacrylate
Concen: 20.278 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.8	48.7	73.1
39	34.7	27.0	40.6





#57

1,3-Dichloropropane

Concen: 20.194 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion: 76 Resp: 185531

Ion Ratio Lower Upper

76 100

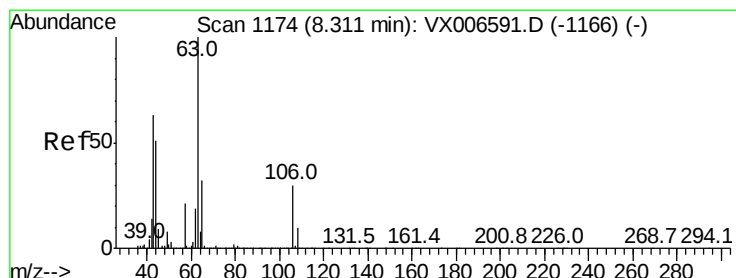
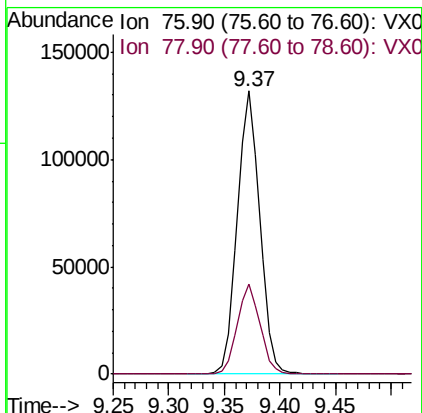
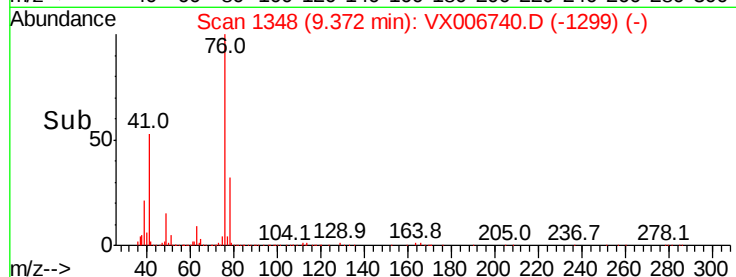
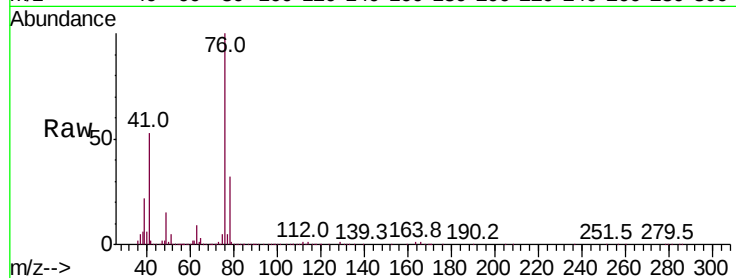
78 32.1 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 96.755 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006740.D

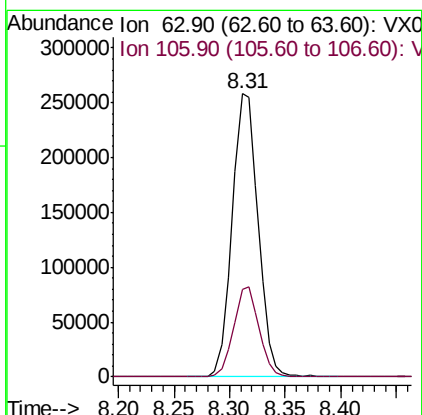
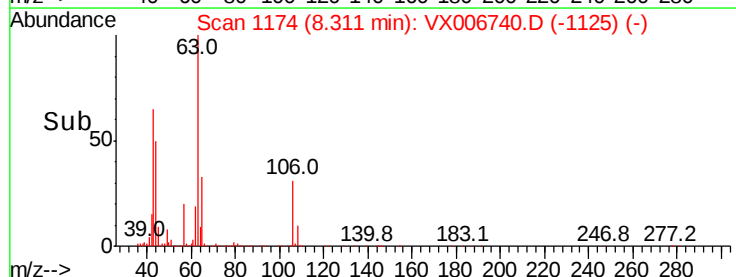
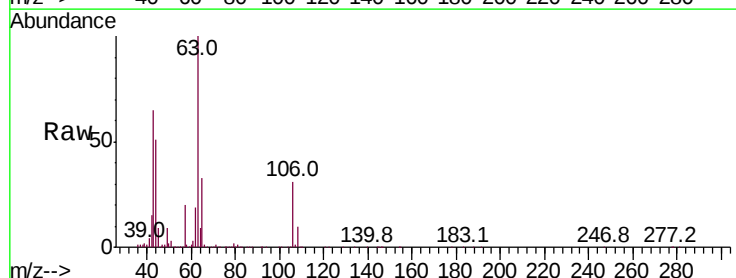
Acq: 21 Dec 2018 23:31

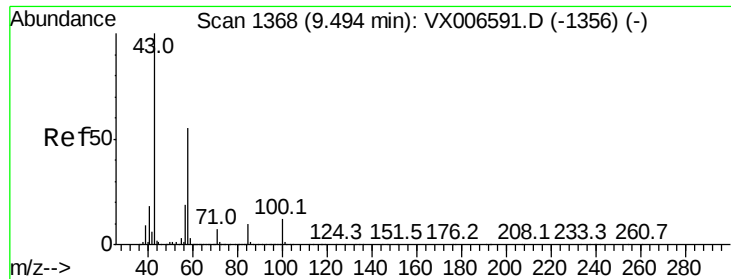
Tgt Ion: 63 Resp: 415105

Ion Ratio Lower Upper

63 100

106 31.3 24.6 36.8





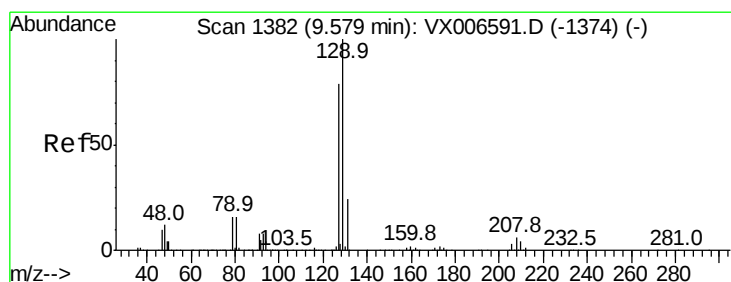
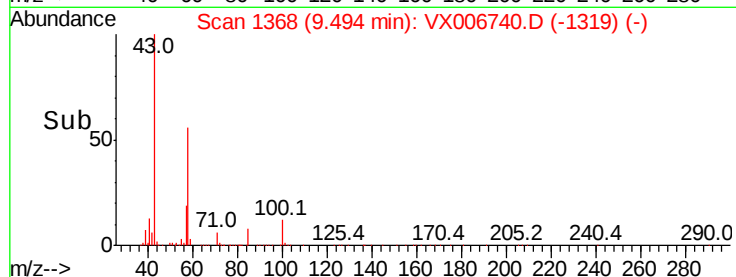
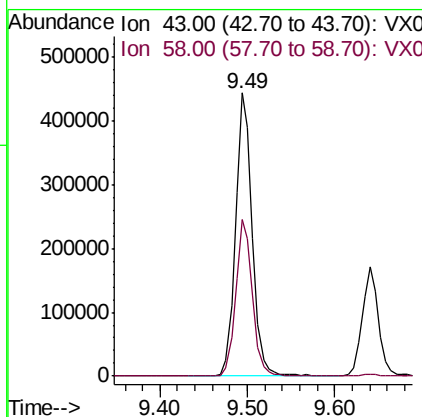
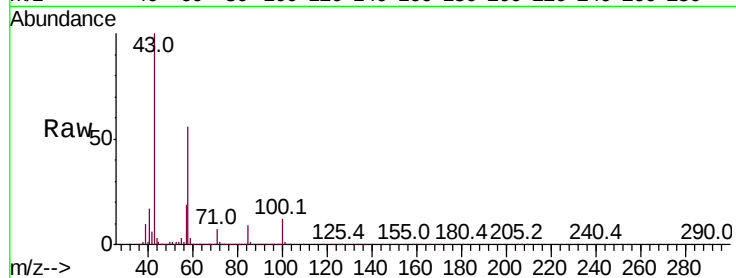
#59
2-Hexanone
Concen: 108.315 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion: 43 Resp: 593252
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.1

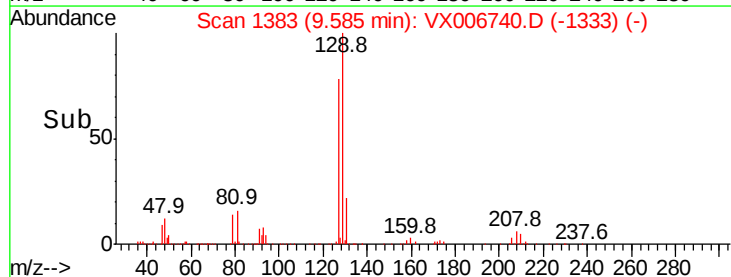
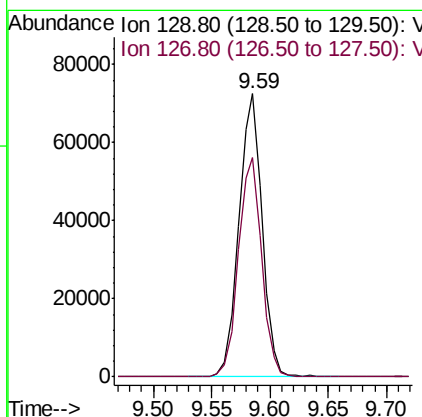
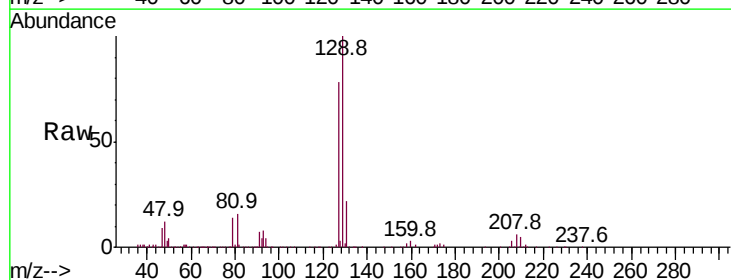
Manual Integrations
APPROVED

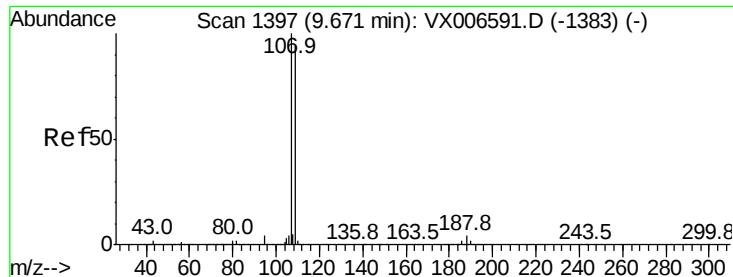
MMDadoda
12/22/2018 11:15:38 AM



#60
Dibromochloromethane
Concen: 18.384 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion: 129 Resp: 100590
Ion Ratio Lower Upper
129 100
127 78.0 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.440 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion: 107 Resp: 124075

Ion Ratio Lower Upper

107 100

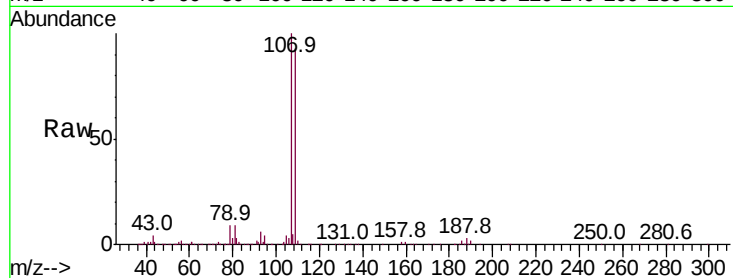
109 95.7 75.8 113.6

Manual Integrations

APPROVED

MMDadoda

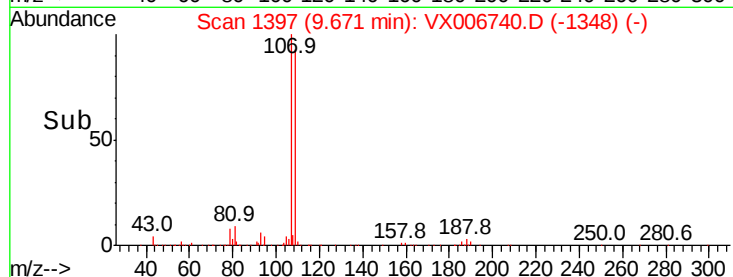
12/22/2018 11:15:38 AM



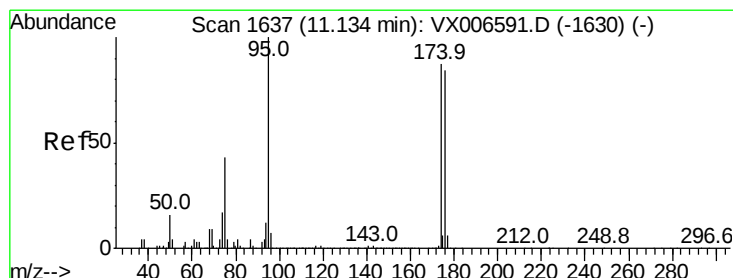
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



Time-->



#62

4-Bromofluorobenzene

Concen: 47.512 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

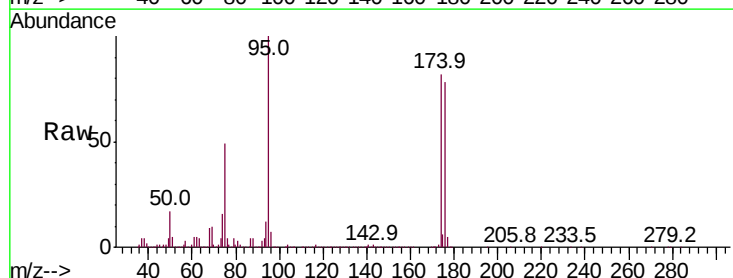
Tgt Ion: 95 Resp: 355847

Ion Ratio Lower Upper

95 100

174 90.8 0.0 182.2

176 87.4 0.0 178.8

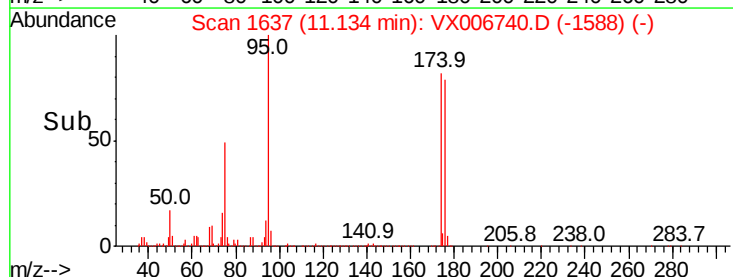


Abundance Ion 94.90 (94.60 to 95.60): VX0

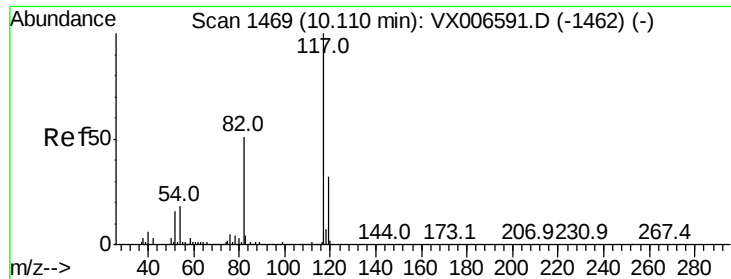
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13



Time-->



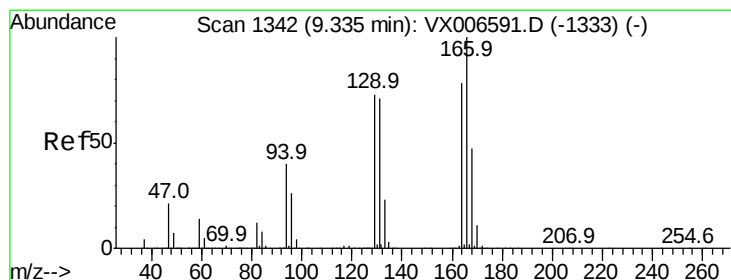
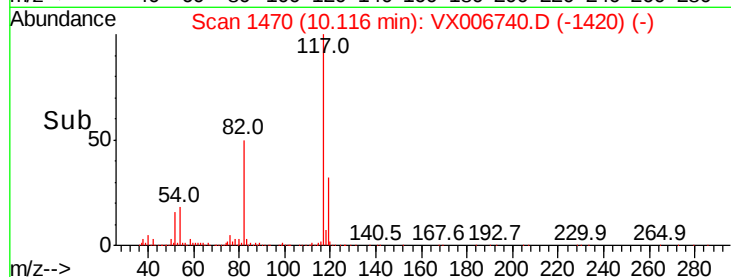
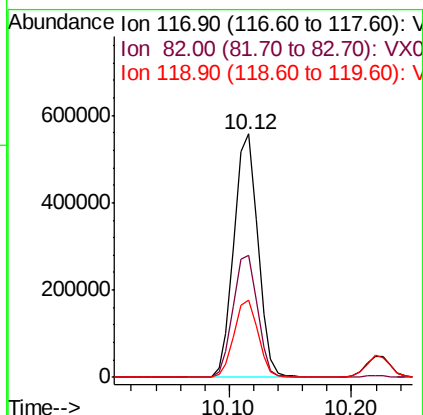
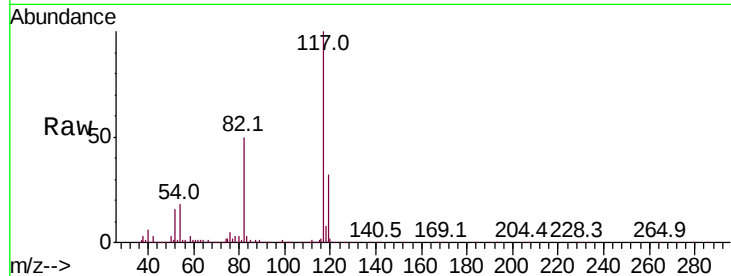
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	49.9	41.0	61.6
119	31.6	25.4	38.0

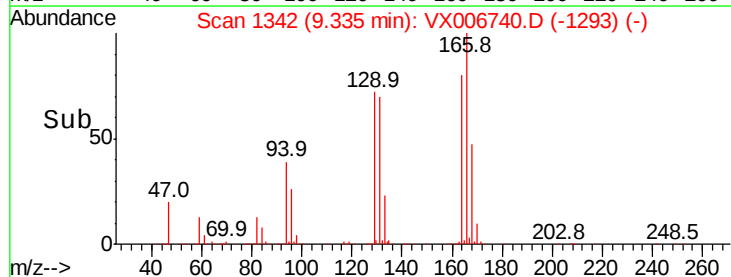
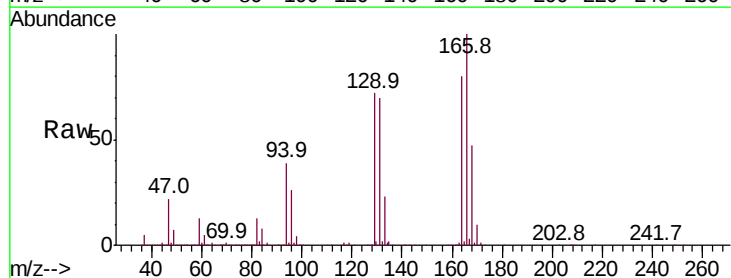
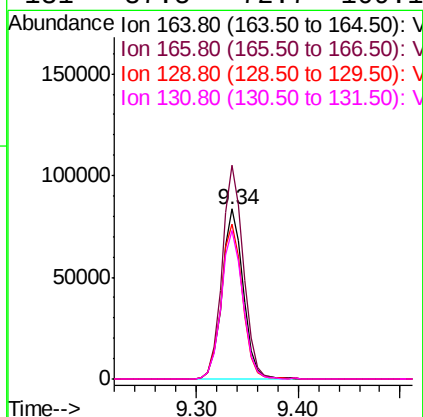
Manual Integrations
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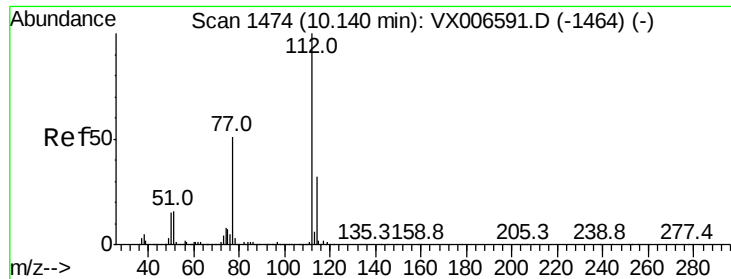
MMDadoda
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#64
Tetrachloroethene
Concen: 20.047 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	125.5	102.5	153.7
129	90.8	75.1	112.7
131	87.5	72.7	109.1





#65

Chlorobenzene

Concen: 19.602 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion:112 Resp: 313473

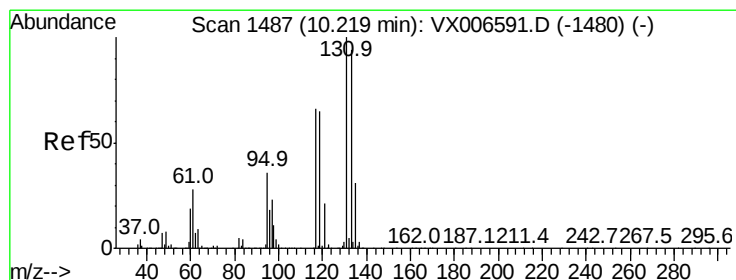
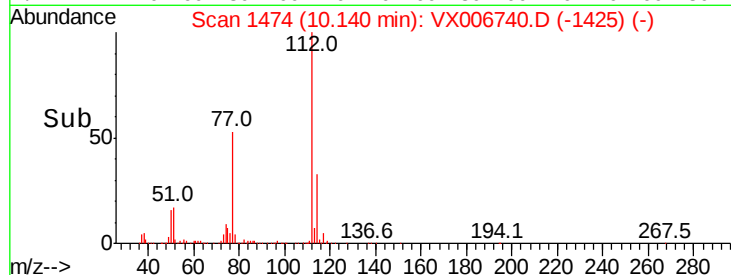
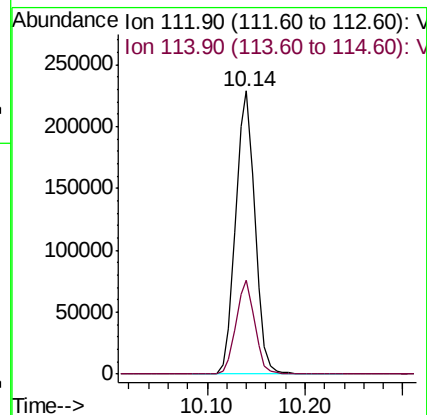
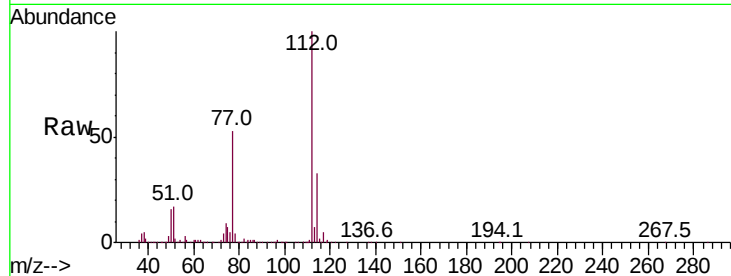
Ion Ratio Lower Upper

112 100

114 33.0 25.7 38.5

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.193 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

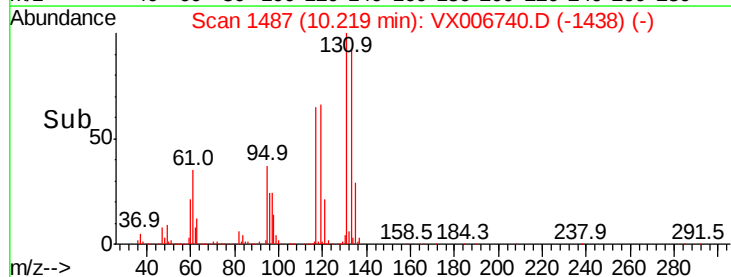
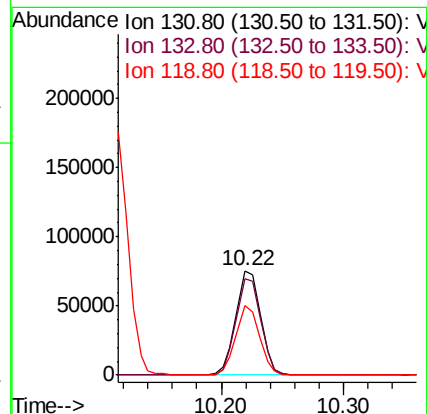
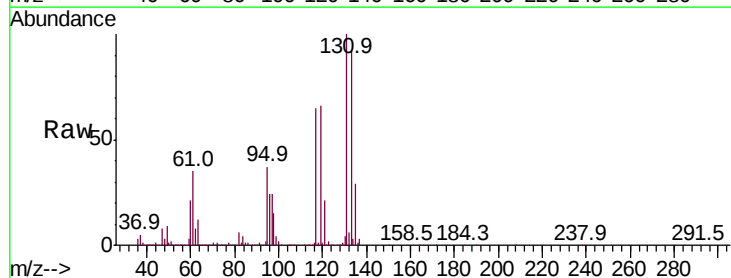
Tgt Ion:131 Resp: 105740

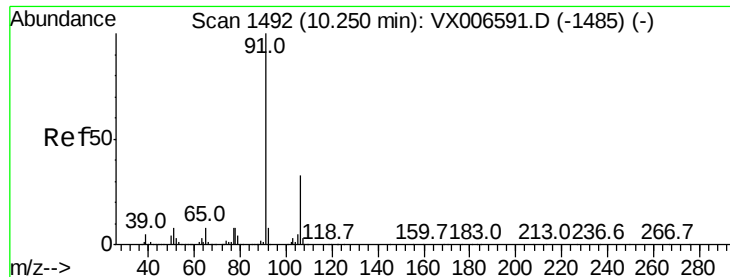
Ion Ratio Lower Upper

131 100

133 92.9 48.0 144.2

119 64.1 32.6 97.8





#67

Ethyl Benzene

Concen: 19.636 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion: 91 Resp: 513122

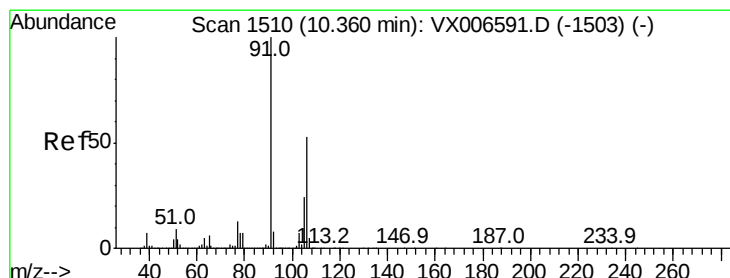
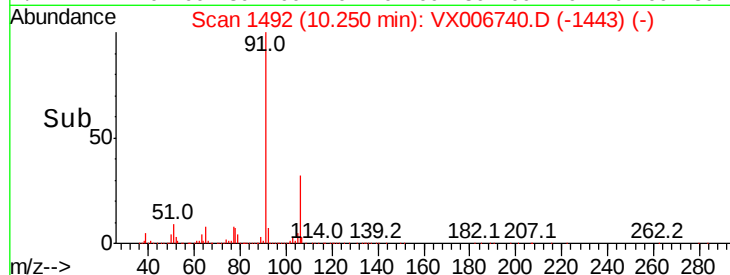
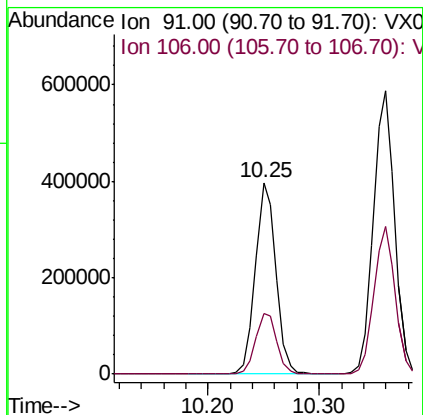
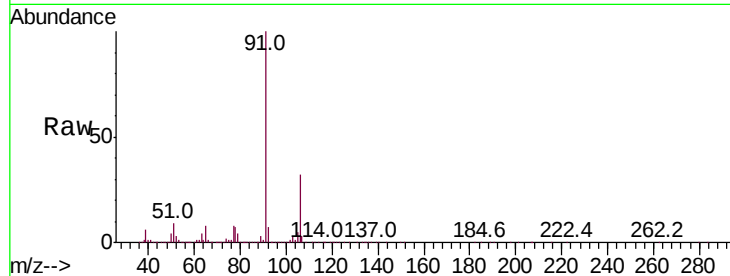
Ion Ratio Lower Upper

91 100

106 31.5 26.4 39.6

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#68

m/p-Xylenes

Concen: 39.528 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006740.D

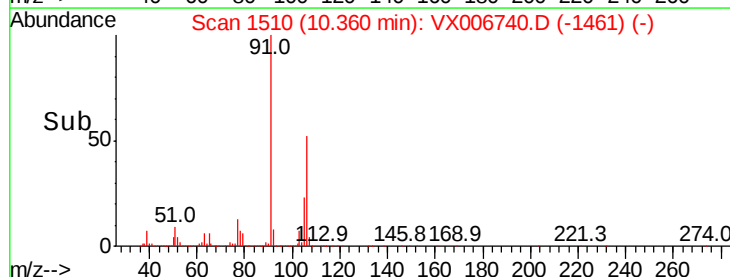
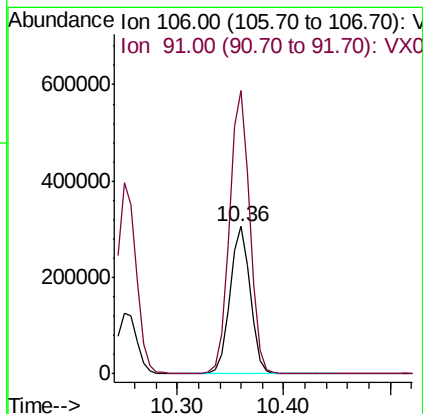
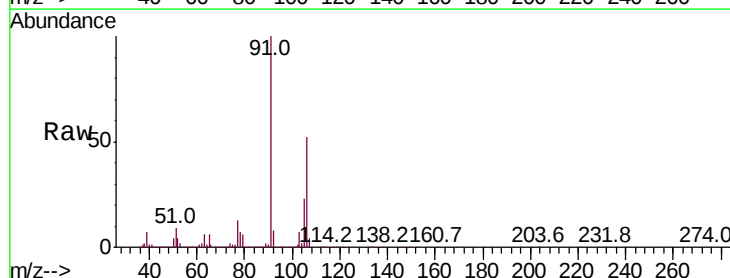
Acq: 21 Dec 2018 23:31

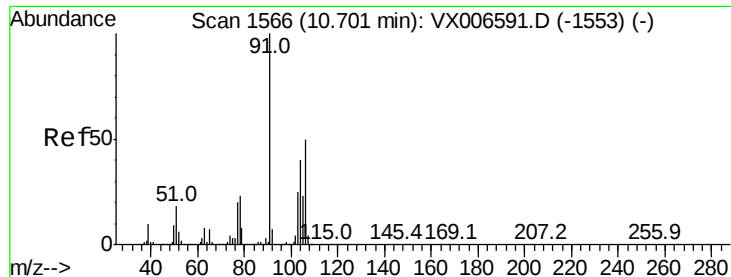
Tgt Ion: 106 Resp: 407597

Ion Ratio Lower Upper

106 100

91 192.9 155.8 233.6





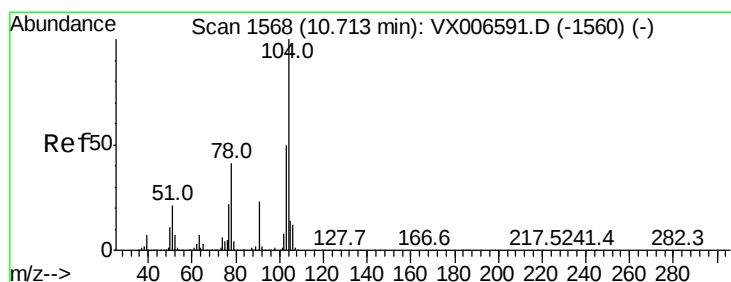
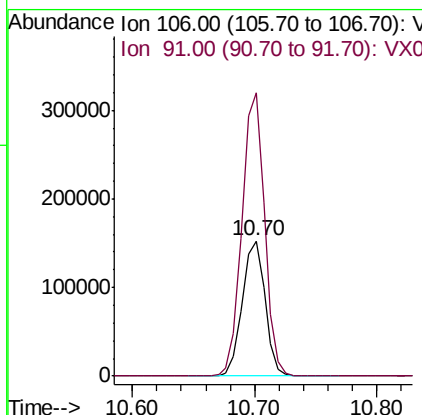
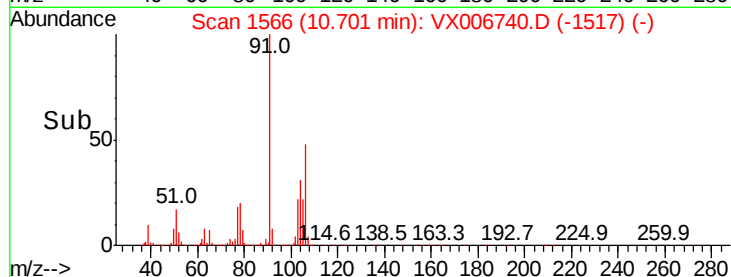
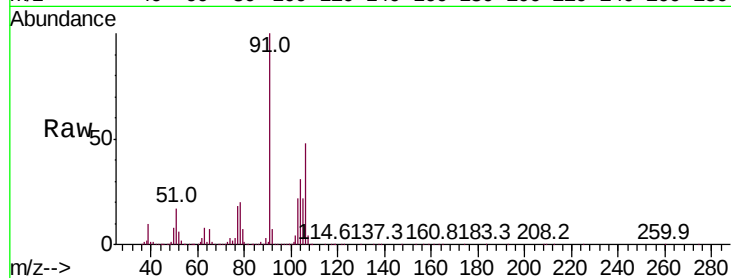
#69
o-Xylene
Concen: 19.377 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion:106 Resp: 197310
Ion Ratio Lower Upper
106 100
91 206.5 101.3 303.7

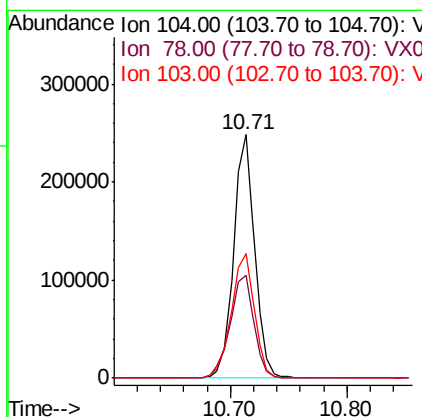
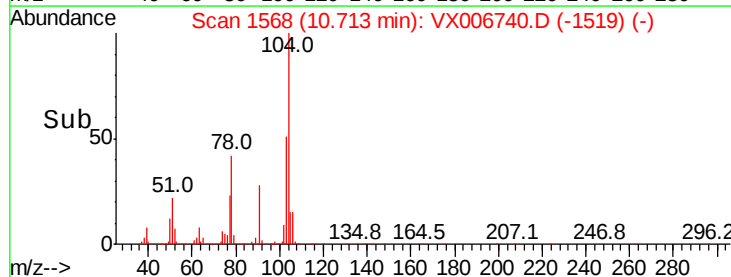
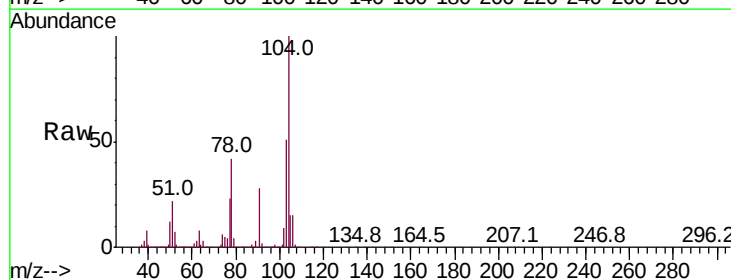
Manual Integrations
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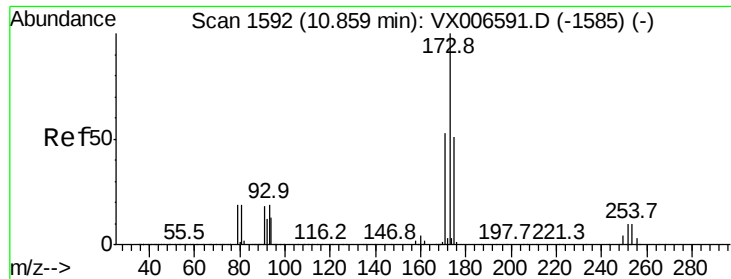
MMDadoda
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#70
Styrene
Concen: 19.409 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion:104 Resp: 312666
Ion Ratio Lower Upper
104 100
78 48.0 37.7 56.5
103 56.5 43.8 65.8





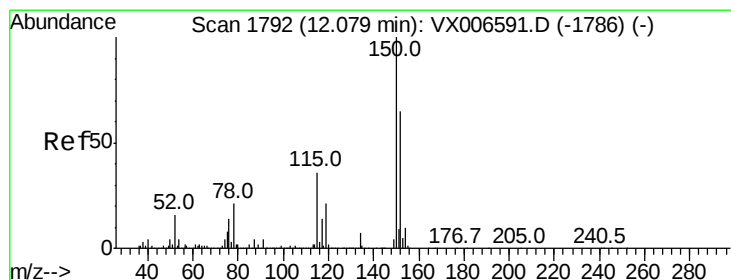
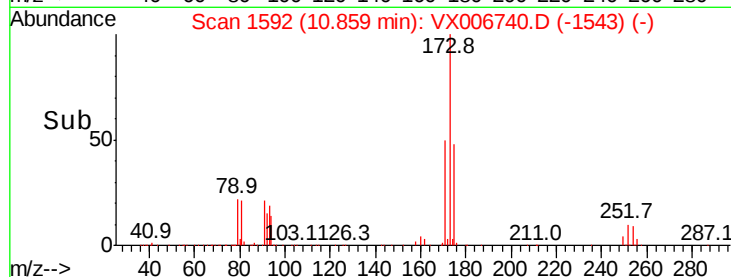
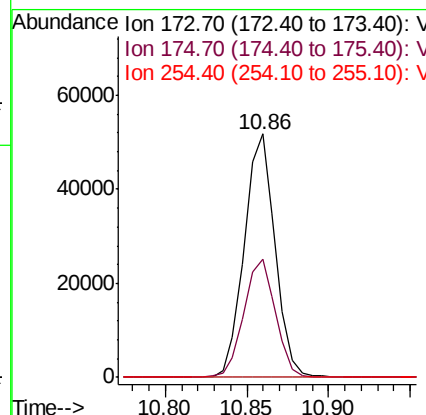
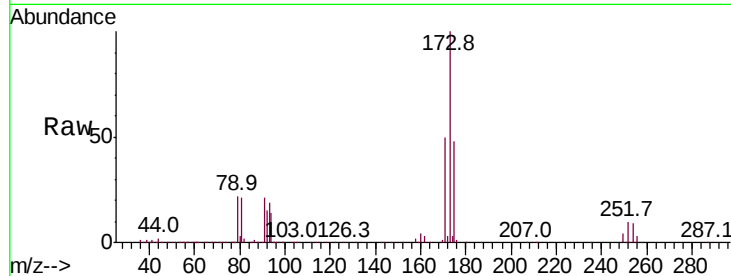
#71
Bromoform
Concen: 18.224 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.7	74.1
254	0.2	0.2	0.2

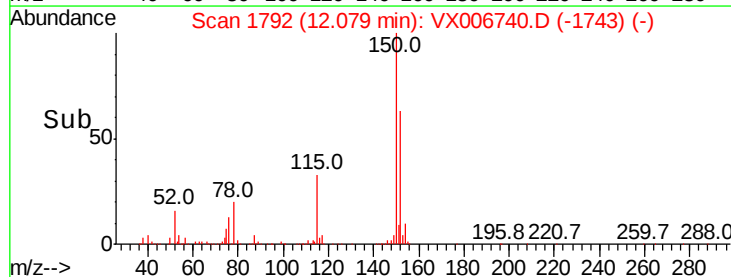
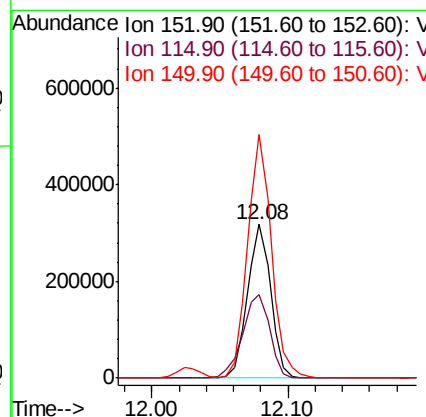
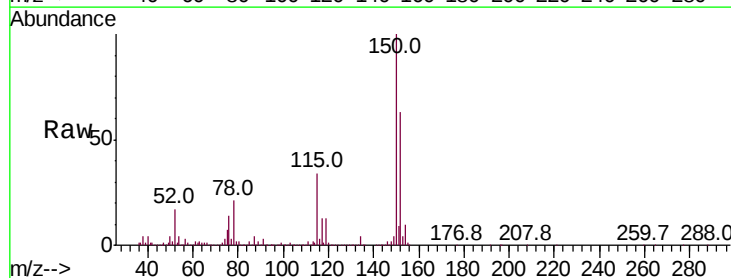
Manual Integrations
APPROVED

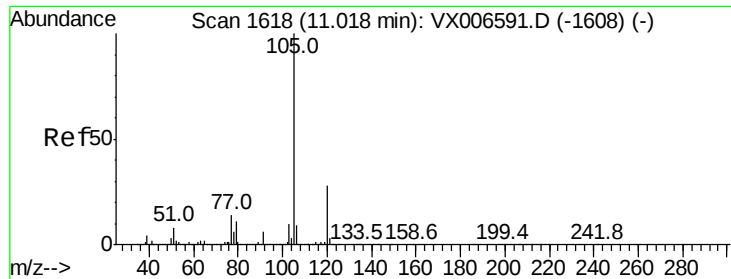
MMDadoda
12/22/2018 11:15:38 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006740.D
Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	39.1	117.2
150	162.4	0.0	344.8





#73

Isopropylbenzene

Concen: 20.331 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion:105 Resp: 527348

Ion Ratio Lower Upper

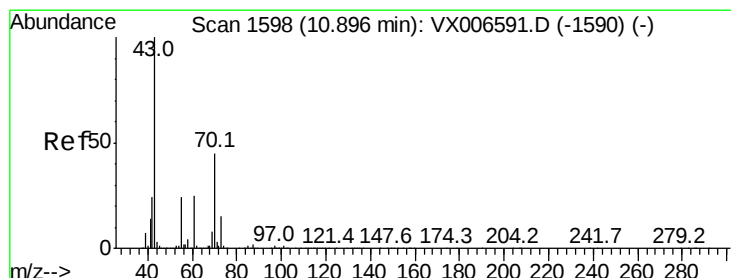
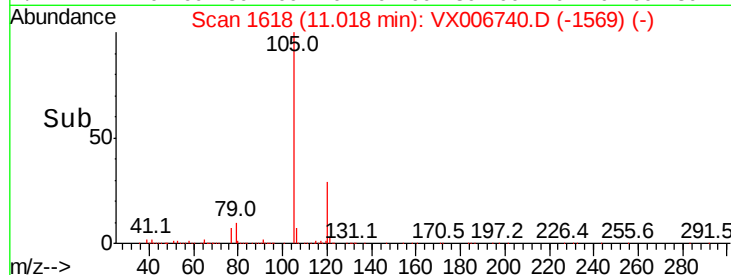
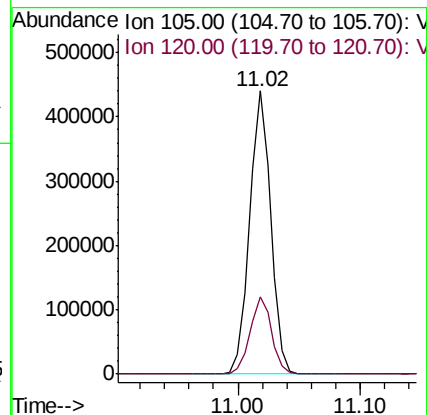
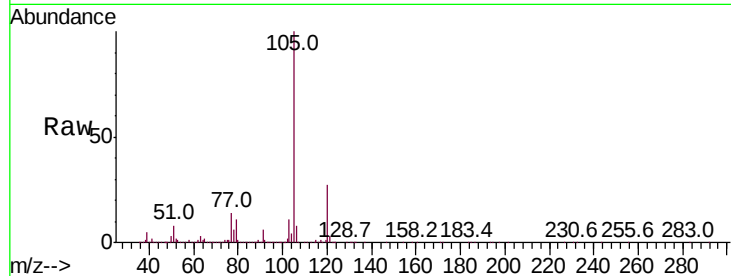
105 100

120 27.8 14.1 42.4

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 21.778 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion: 43 Resp: 202195

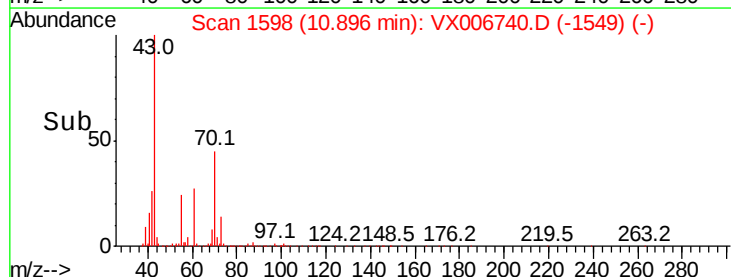
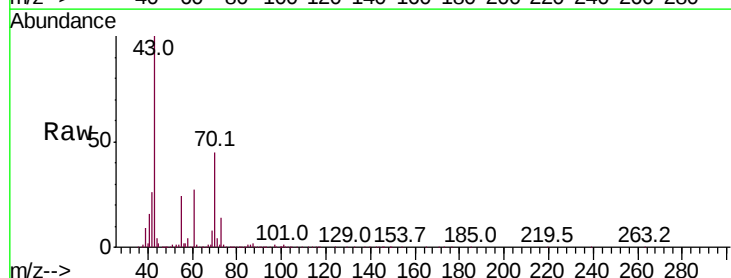
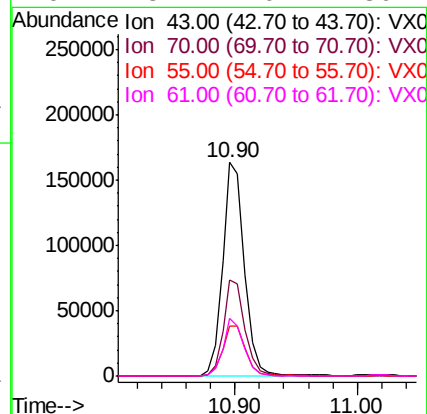
Ion Ratio Lower Upper

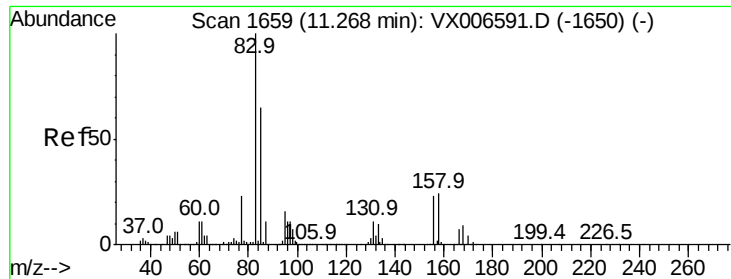
43 100

70 44.9 35.8 53.8

55 25.1 19.4 29.0

61 25.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.543 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion: 83 Resp: 173902

Ion Ratio Lower Upper

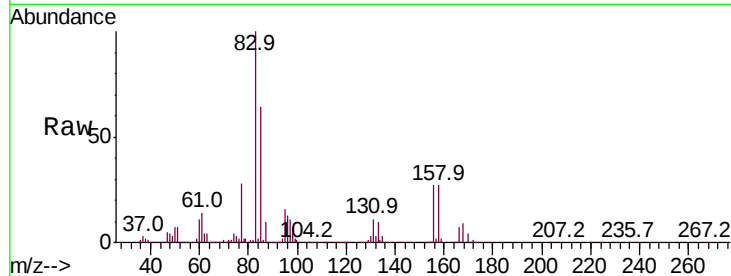
83 100

131 11.0 5.7 17.1

85 63.8 32.2 96.6

Manual Integrations
APPROVED

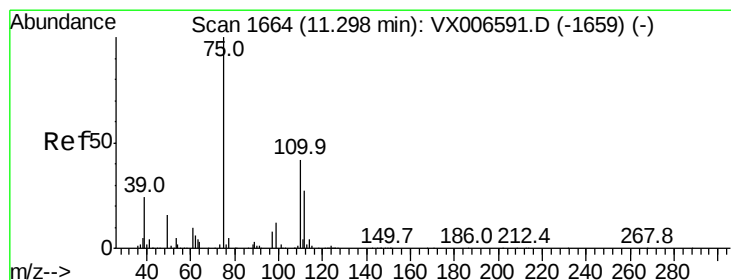
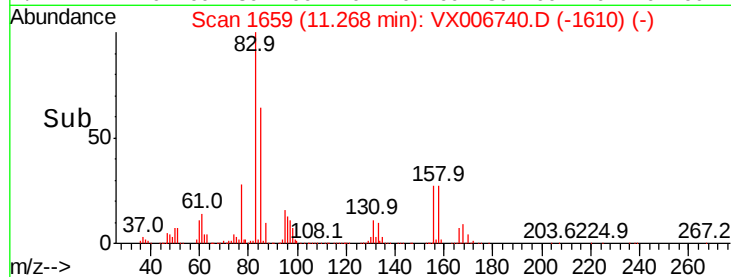
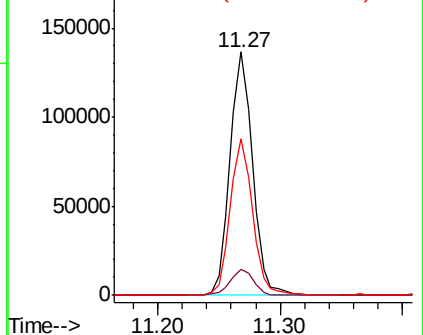
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.297 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006740.D

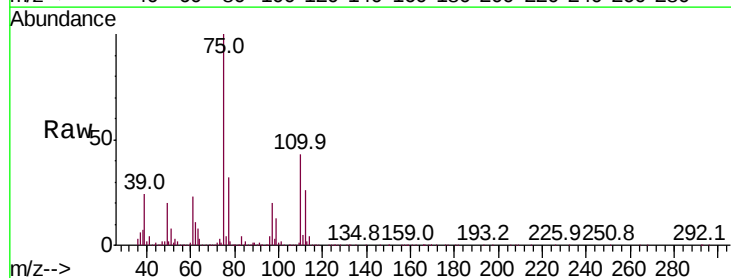
Acq: 21 Dec 2018 23:31

Tgt Ion: 75 Resp: 150062

Ion Ratio Lower Upper

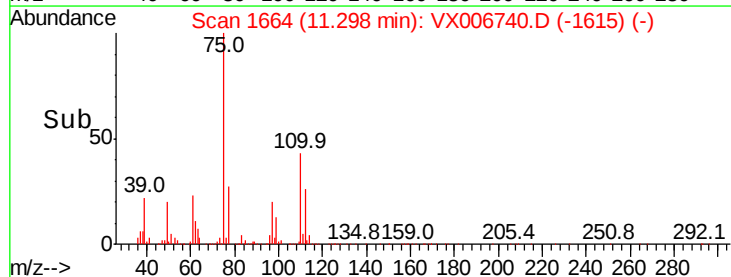
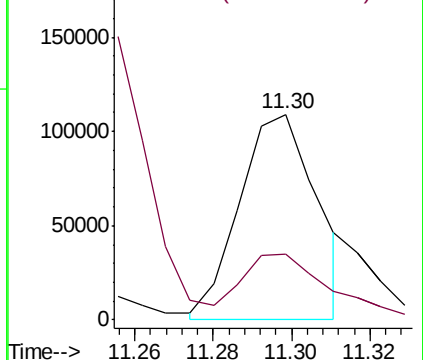
75 100

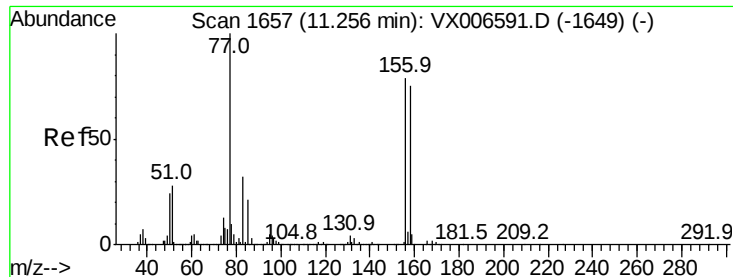
77 36.4 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.205 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

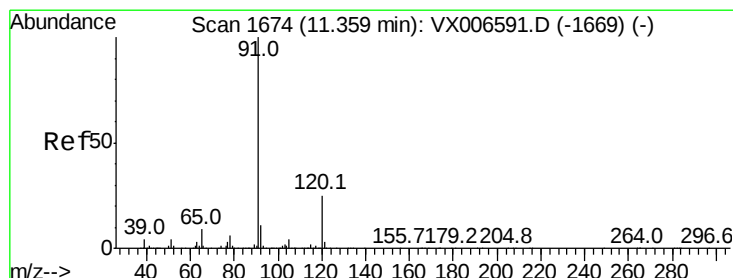
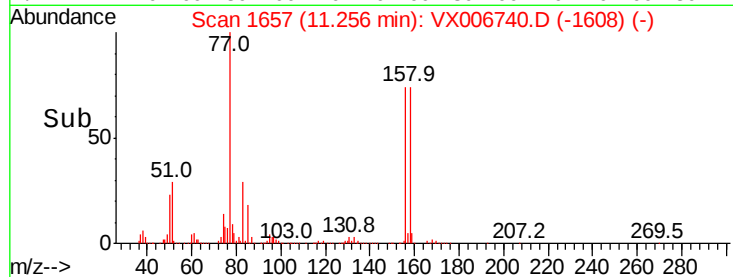
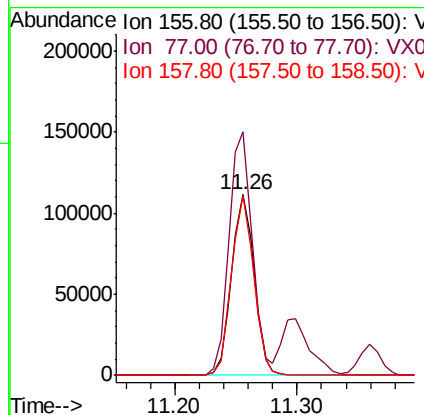
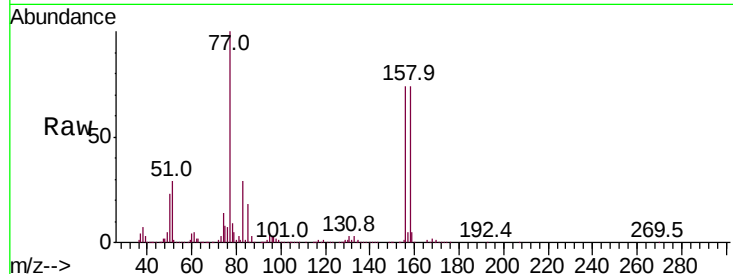
ClientSampleId :

VX1221WBSD02

Tot Ion:	156	Resp:	141691
Ion Ratio	Lower	Upper	
156	100		
77	139.1	68.0	204.0
158	97.7	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.131 ug/l

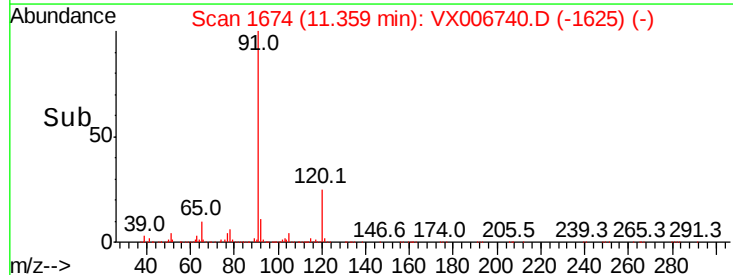
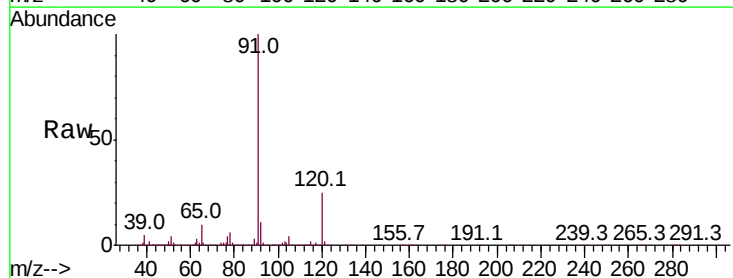
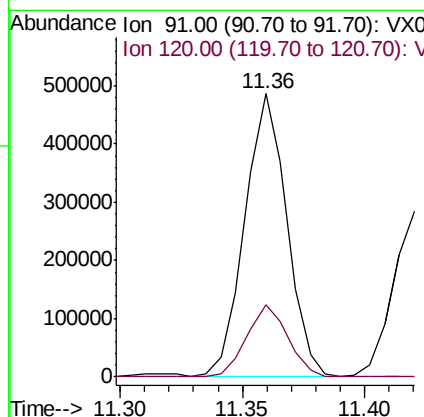
RT: 11.36 min Scan# 1674

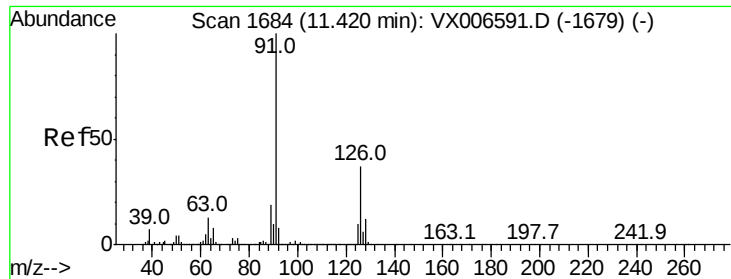
Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	91	Resp:	575010
Ion Ratio	Lower	Upper	
91	100		
120	25.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.920 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion: 91 Resp: 344814

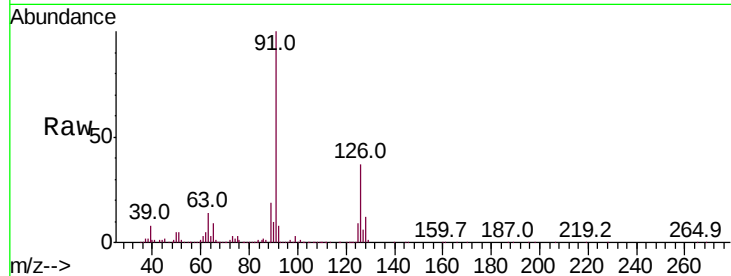
Ion Ratio Lower Upper

91 100

126 37.5 18.6 56.0

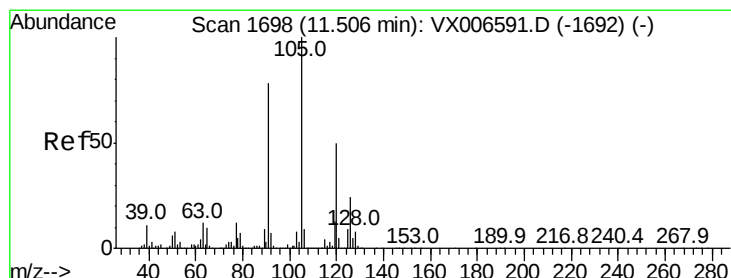
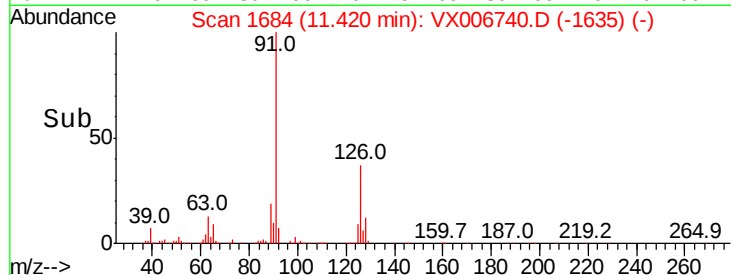
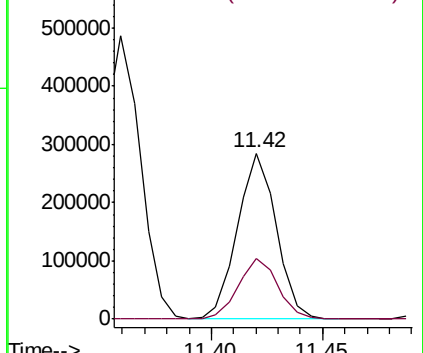
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.293 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006740.D

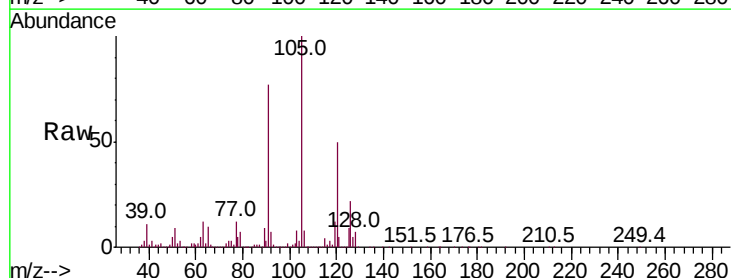
Acq: 21 Dec 2018 23:31

Tgt Ion: 105 Resp: 433544

Ion Ratio Lower Upper

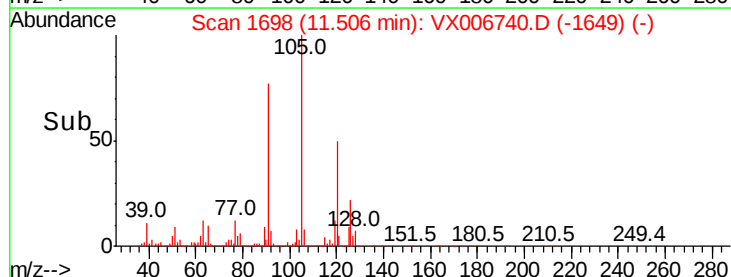
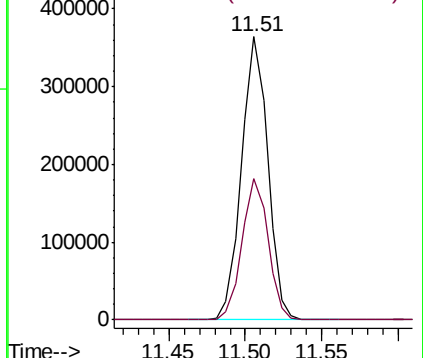
105 100

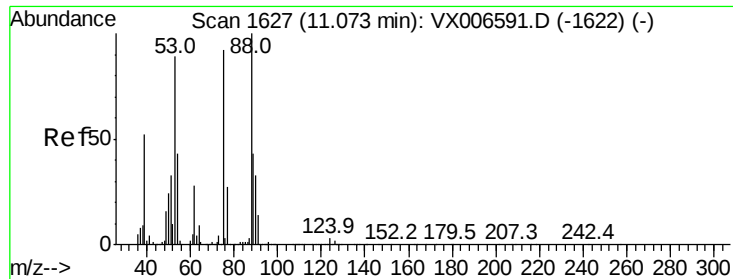
120 49.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.839 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

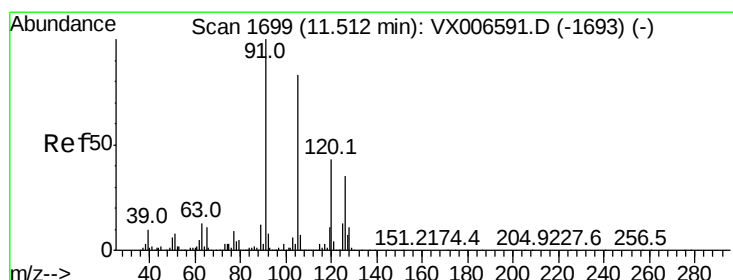
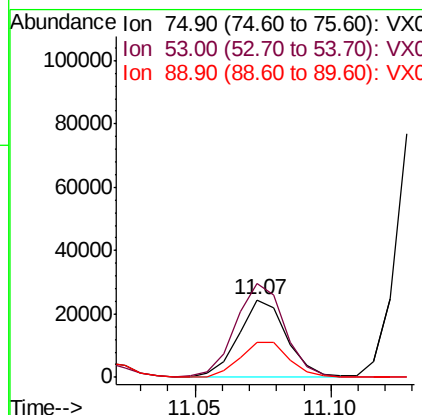
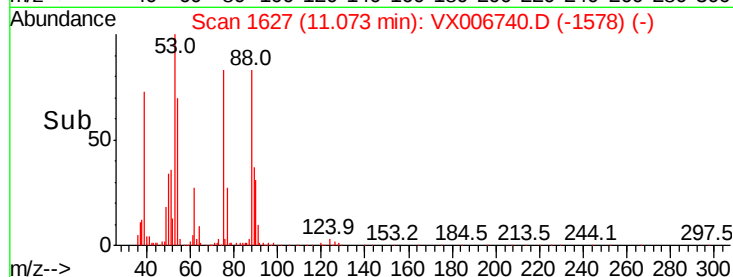
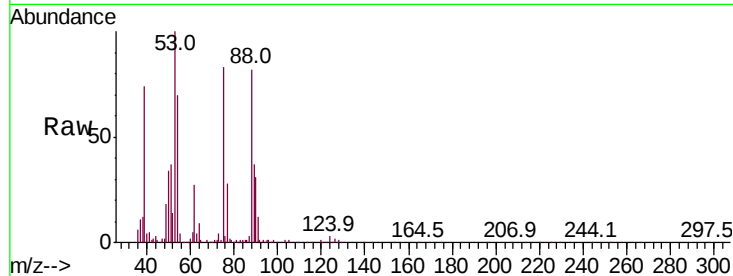
ClientSampleId :

VX1221WBSD02

Tot Ion:	75	Resp:	29360
Ion Ratio	Lower	Upper	
75	100		
53	125.5	79.7	119.5#
89	48.2	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.868 ug/l

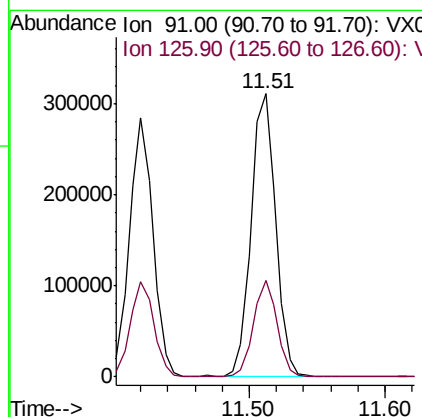
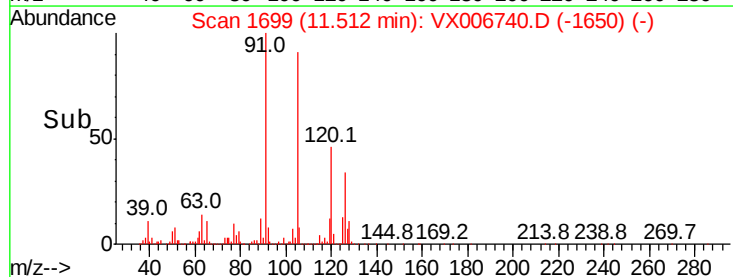
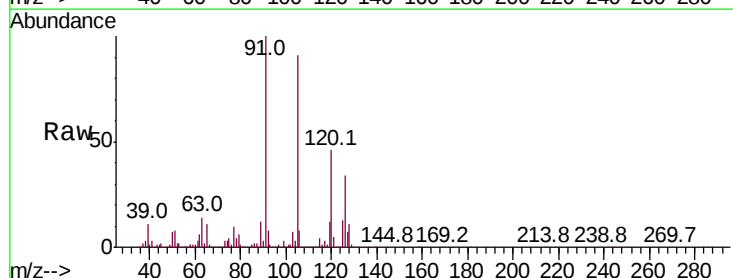
RT: 11.51 min Scan# 1699

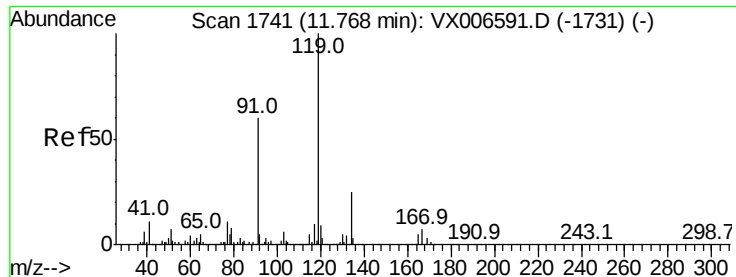
Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	91	Resp:	394493
Ion Ratio	Lower	Upper	
91	100		
126	33.1	16.3	48.9





#83

tert-Butylbenzene

Concen: 20.562 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

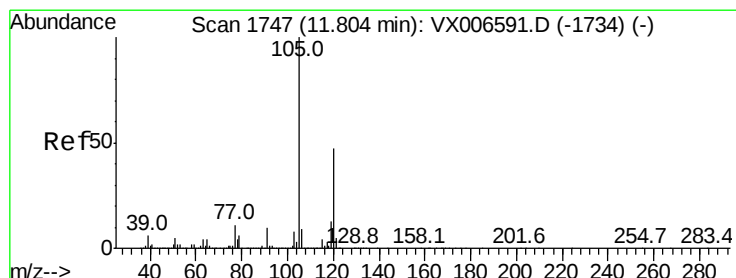
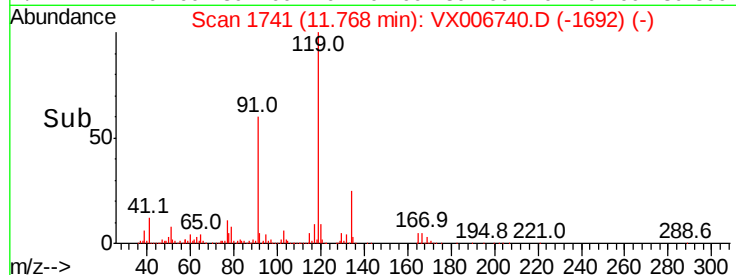
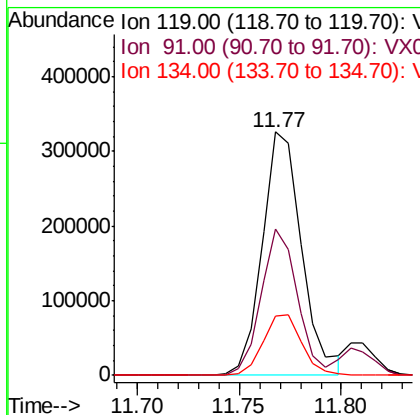
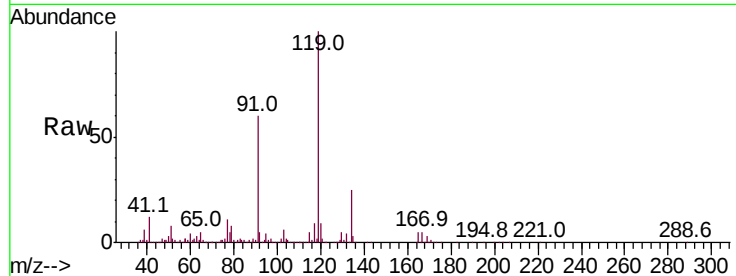
ClientSampleId :

VX1221WBSD02

Tot Ion:	119	Resp:	439673
Ion Ratio	Lower	Upper	
119	100		
91	55.2	27.7	83.1
134	24.5	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.825 ug/l

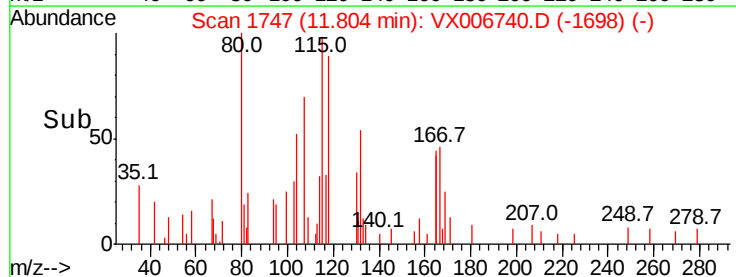
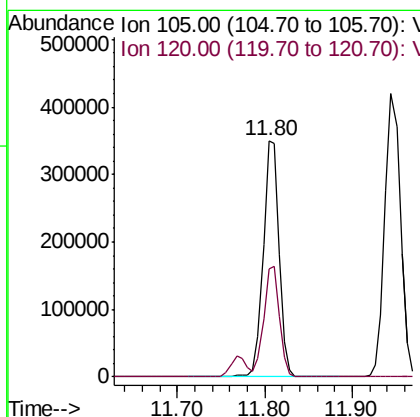
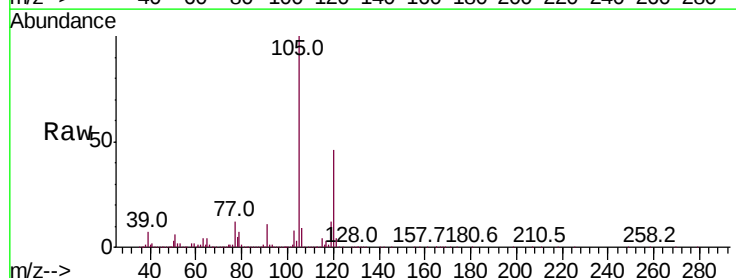
RT: 11.80 min Scan# 1747

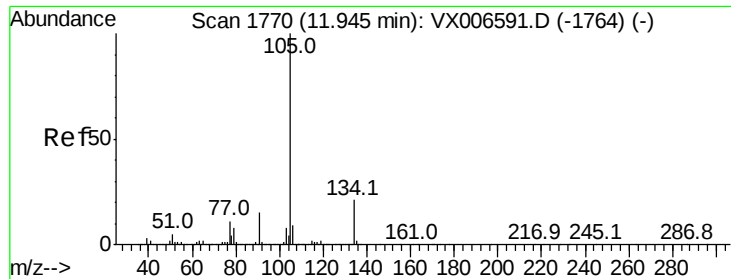
Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	105	Resp:	445514
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.851 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBSD02

Tot Ion:105 Resp: 520412

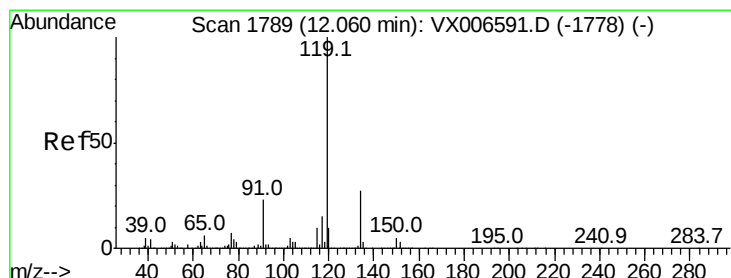
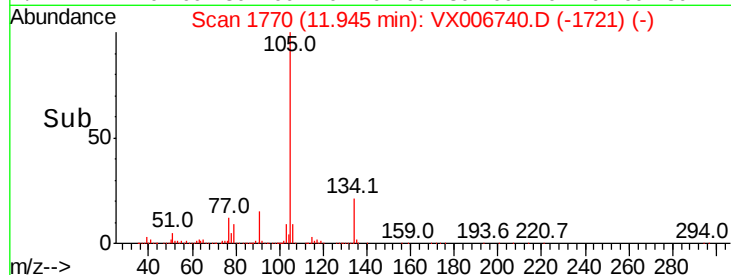
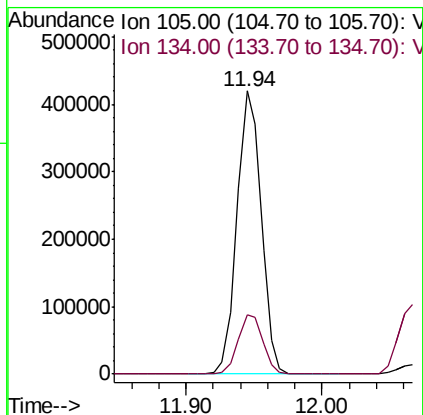
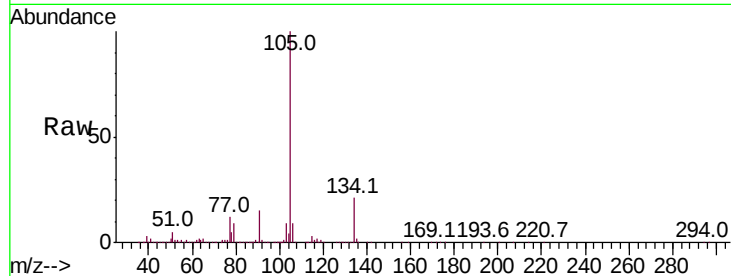
Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 20.154 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

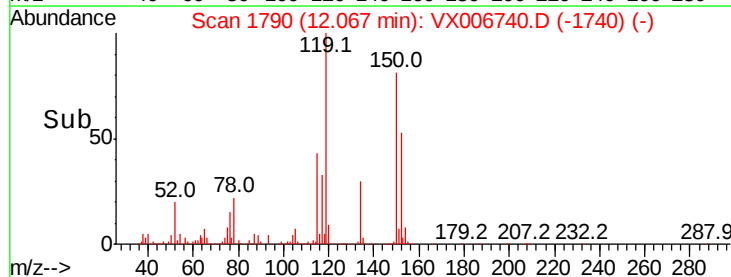
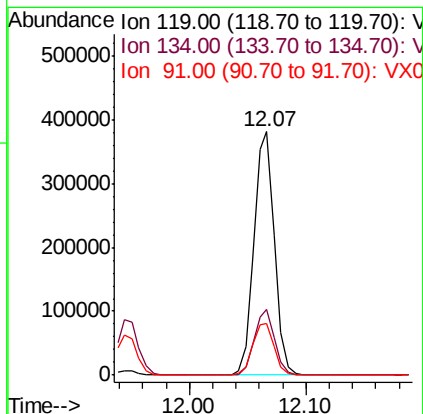
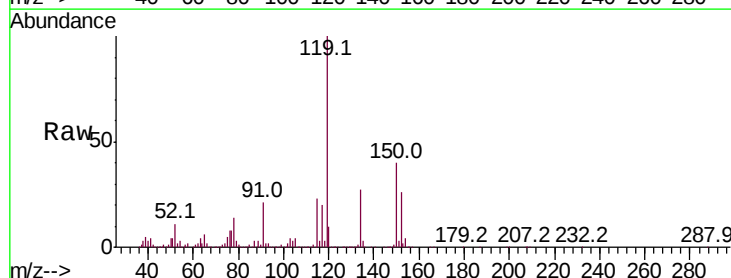
Tgt Ion:119 Resp: 464454

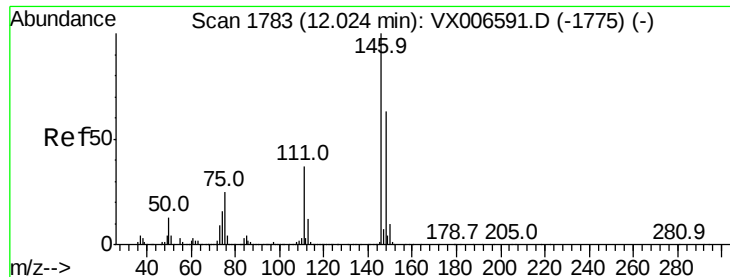
Ion Ratio Lower Upper

119 100

134 26.5 14.0 41.9

91 22.3 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 19.946 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

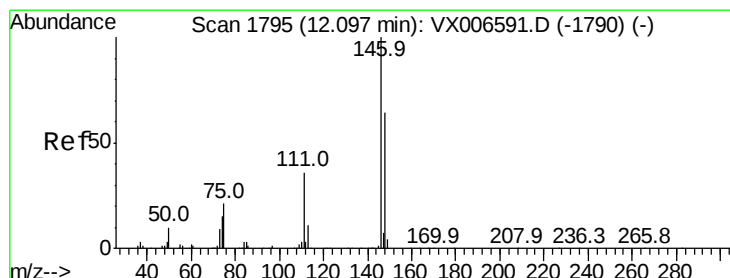
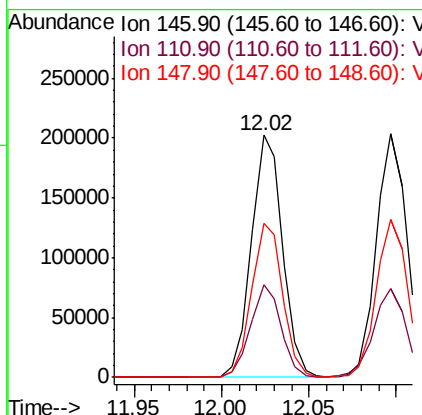
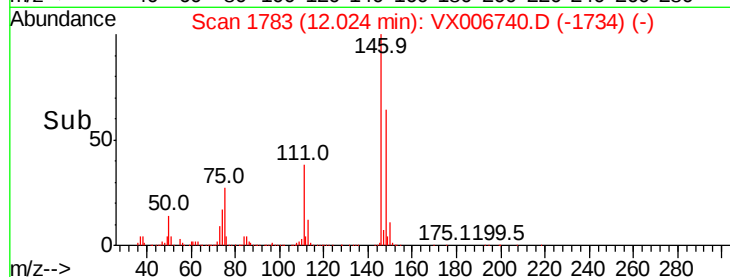
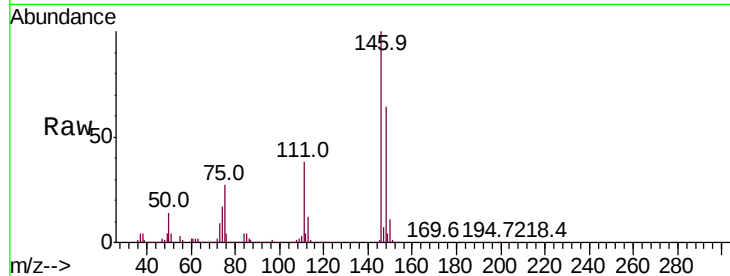
Instrument :
MSVOA_X

ClientSampleId :
VX1221WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	63.6	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.242 ug/l

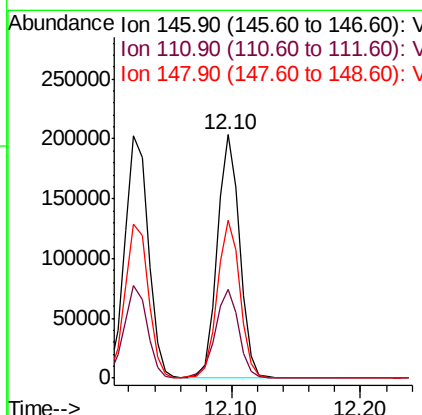
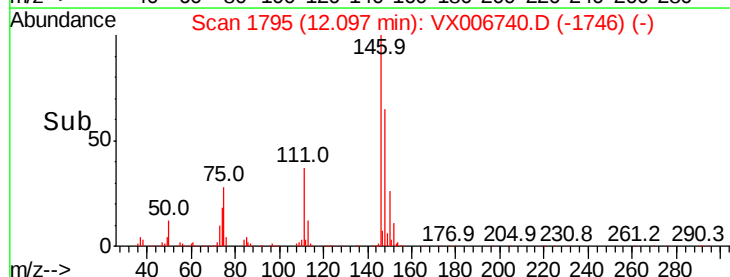
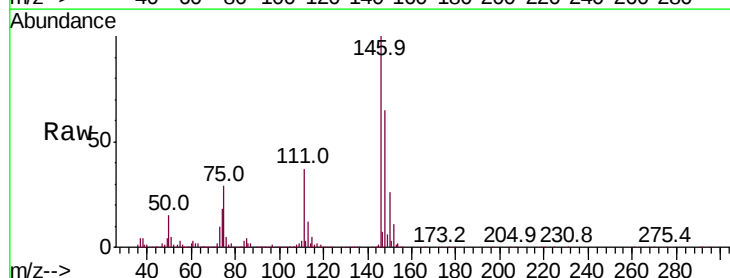
RT: 12.10 min Scan# 1795

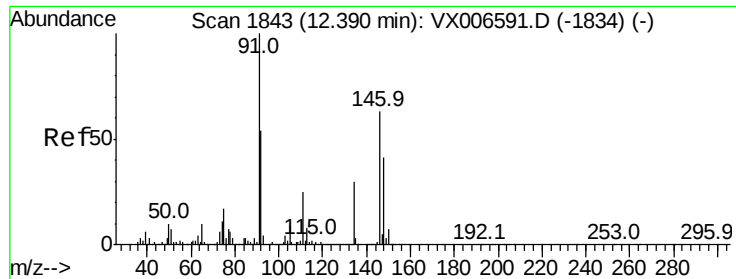
Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.1
148	65.9	31.9	95.9





#89

n-Butylbenzene

Concen: 19.247 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

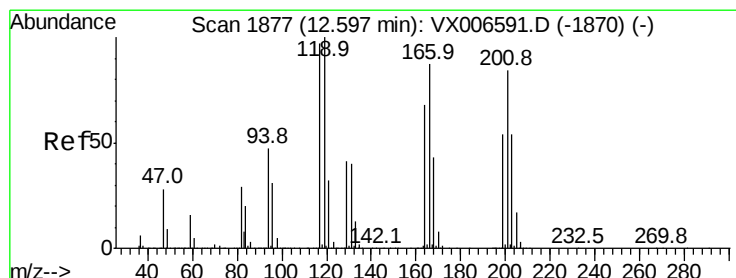
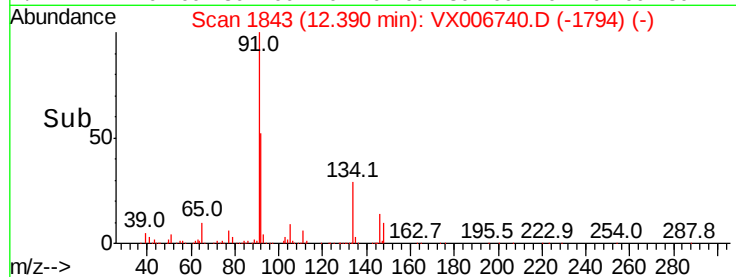
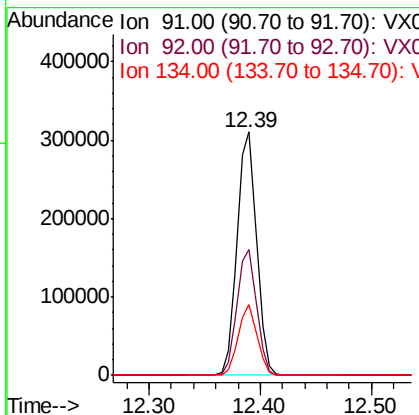
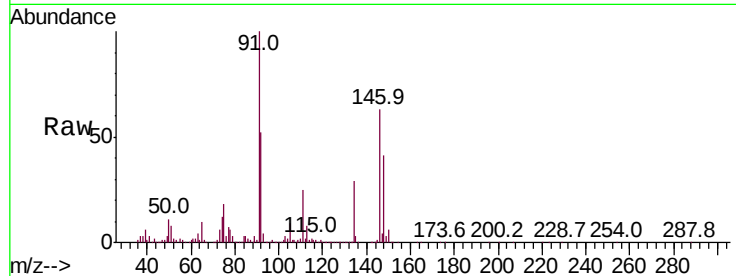
ClientSampleId :

VX1221WBSD02

Tot Ion:	91	Resp:	377478
Ion Ratio	Lower	Upper	
91	100		
92	52.3	26.8	80.4
134	28.3	14.4	43.2

Manual Integrations
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#90

Hexachloroethane

Concen: 18.574 ug/l

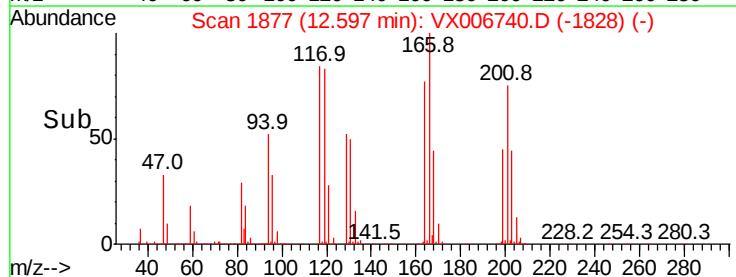
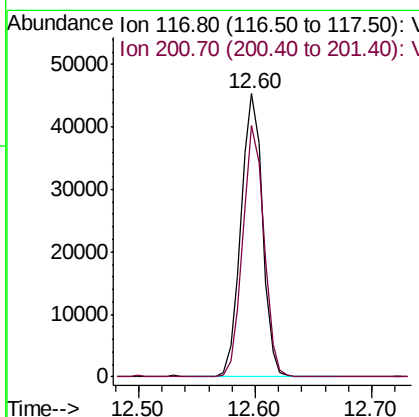
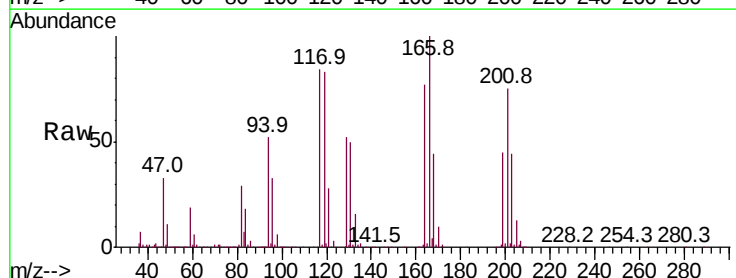
RT: 12.60 min Scan# 1877

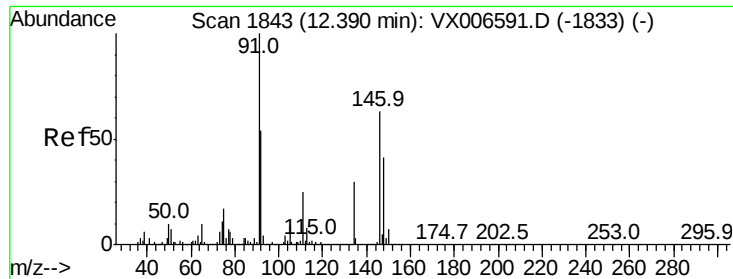
Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	117	Resp:	58999
Ion Ratio	Lower	Upper	
117	100		
201	87.3	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 19.825 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

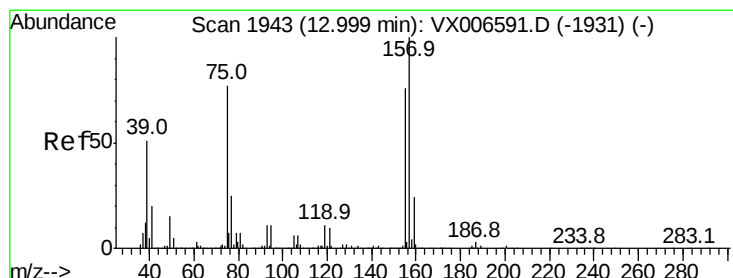
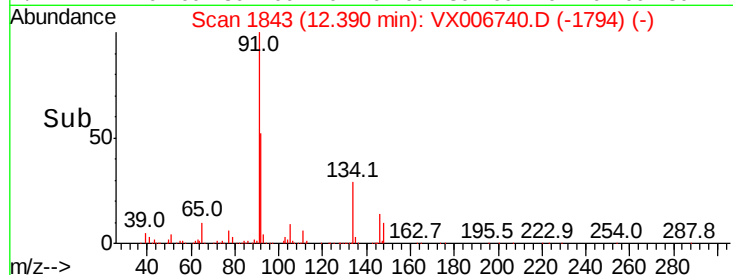
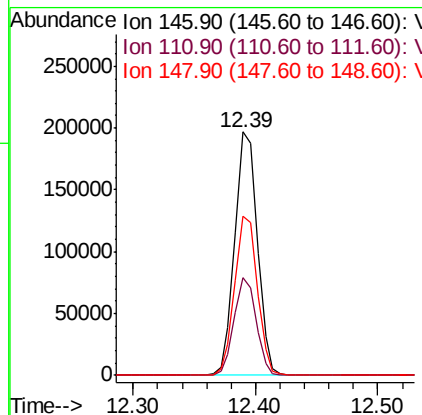
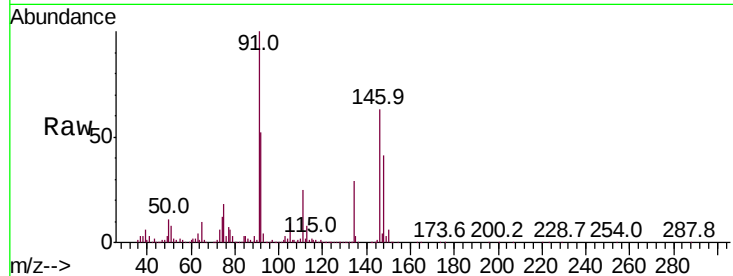
ClientSampleId :

VX1221WBSD02

Tot Ion:	146	Resp:	250641
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.4	58.2
148	65.7	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.462 ug/l

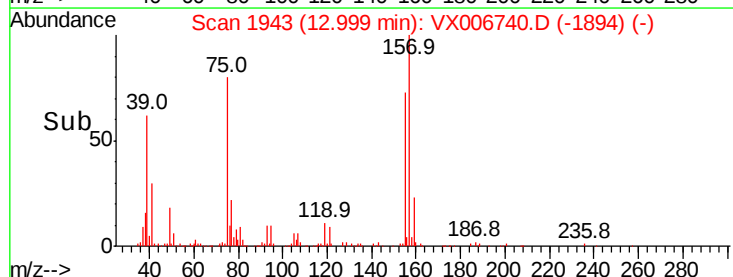
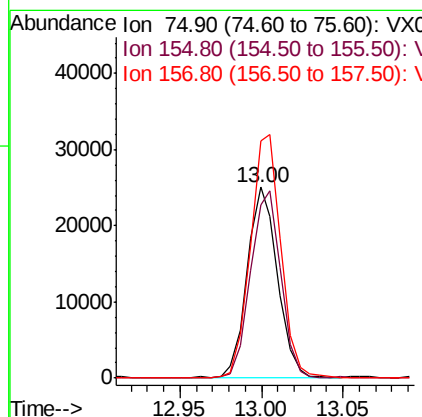
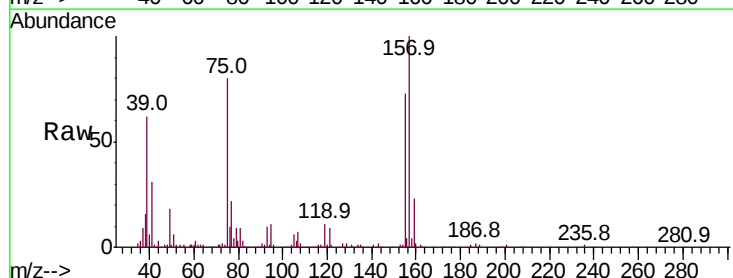
RT: 13.00 min Scan# 1943

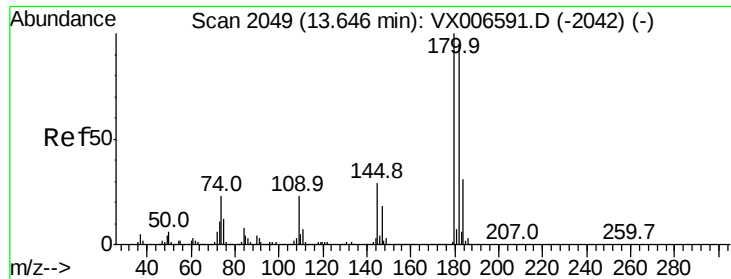
Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	75	Resp:	32661
Ion Ratio	Lower	Upper	
75	100		
155	97.2	50.6	151.8
157	127.6	64.6	193.8





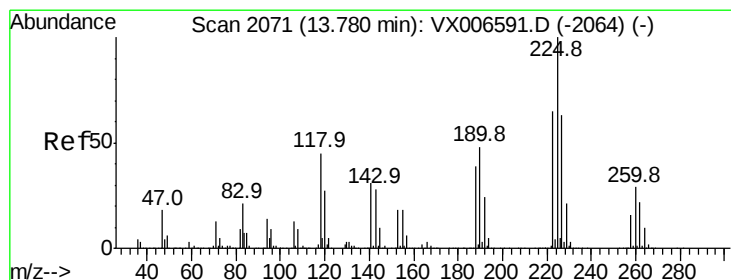
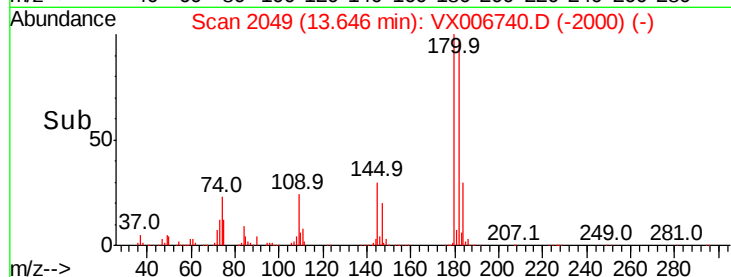
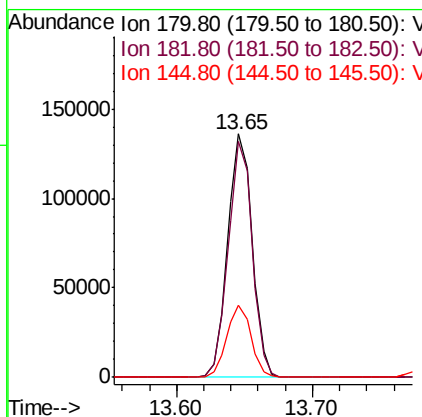
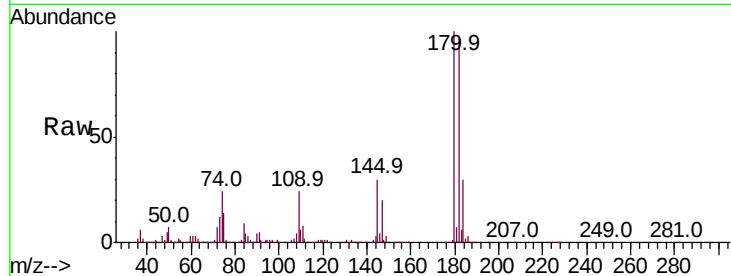
#93
 1,2,4-Trichlorobenzene
 Concen: 19.548 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	170480		
182	95.1	47.3	142.0	
145	29.6	14.8	44.3	

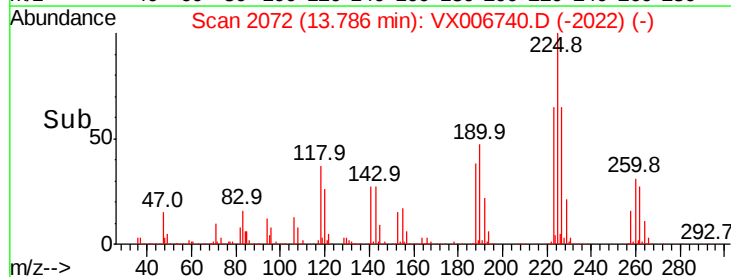
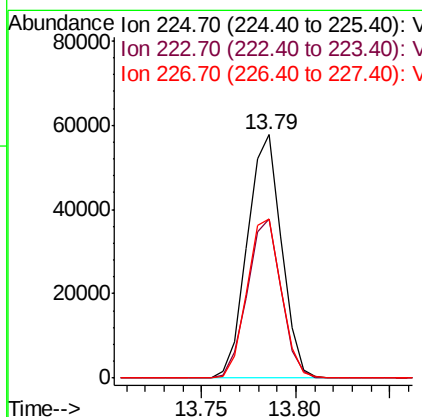
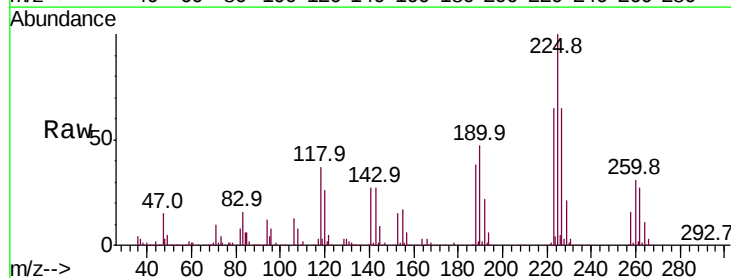
Manual Integrations
 APPROVED

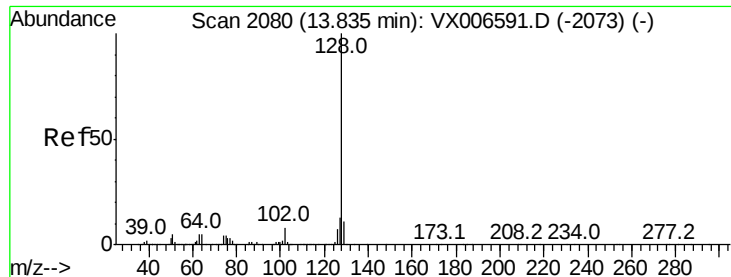
MMDadoda
 12/22/2018 11:15:38 AM



#94
 Hexachlorobutadiene
 Concen: 17.692 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX006740.D
 Acq: 21 Dec 2018 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72723		
223	64.4	32.1	96.3	
227	65.5	32.3	96.8	





#95

Naphthalene

Concen: 20.451 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Instrument :

MSVOA_X

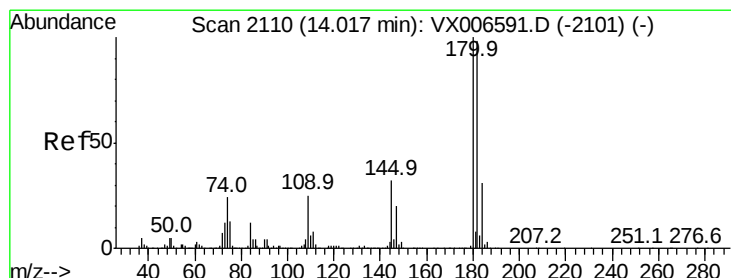
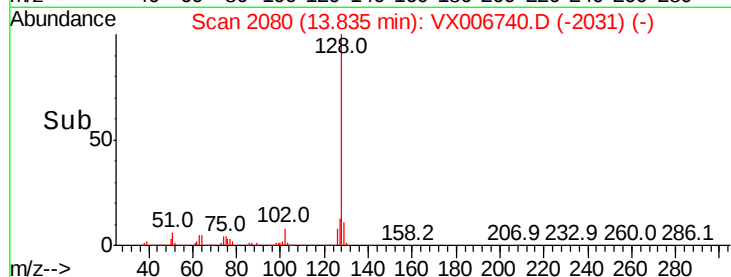
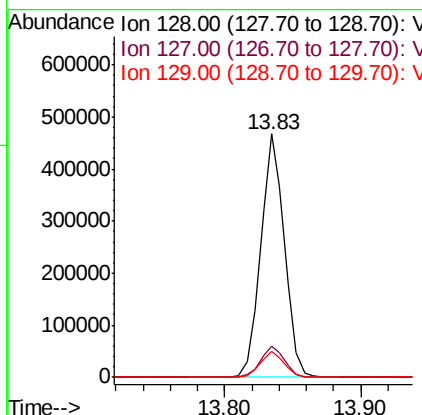
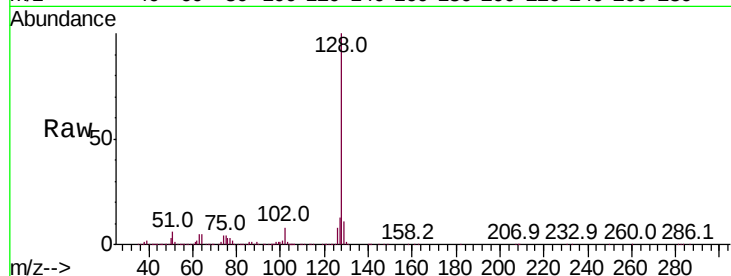
ClientSampleId :

VX1221WBSD02

Tot Ion:	128	Resp:	569239
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/22/2018 11:15:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.384 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX006740.D

Acq: 21 Dec 2018 23:31

Tgt Ion:	180	Resp:	174543
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.5	145.5
145	32.0	16.0	47.9

