

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006665.D
 Acq On : 20 Dec 2018 10:27
 Operator : JC/MD
 Sample : VX1220WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 10:18:54 AM

Quant Time: Dec 21 03:50:59 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	588775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	912822	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	837848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	442553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	317844	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	5.50	113	280506	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	8.71	98	1079845	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.13	95	395648	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	103428	19.202	ug/l	100
3) Chloromethane	1.33	50	117038	20.169	ug/l	100
4) Vinyl Chloride	1.41	62	120528	19.887	ug/l	99
5) Bromomethane	1.64	94	124650	20.925	ug/l	100
6) Chloroethane	1.73	64	77403	18.445	ug/l	98
7) Trichlorofluoromethane	1.93	101	188299	19.928	ug/l	97
8) Diethyl Ether	2.19	74	72526	19.325	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	108619	19.578	ug/l	96
10) Methyl Iodide	2.51	142	164192	20.675	ug/l	99
11) Tert butyl alcohol	3.07	59	148583	104.920	ug/l	99
12) 1,1-Dichloroethene	2.38	96	101468	19.289	ug/l	96
13) Acrolein	2.30	56	80582	84.348	ug/l	93
14) Allyl chloride	2.73	41	174513	19.708	ug/l	99
15) Acrylonitrile	3.15	53	321047	102.104	ug/l	99
16) Acetone	2.45	43	296894	101.838	ug/l	98
17) Carbon Disulfide	2.57	76	234281	16.829	ug/l	100
18) Methyl Acetate	2.78	43	180162	21.016	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	360594	20.653	ug/l	99
20) Methylene Chloride	2.86	84	118460	19.650	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	110207	18.908	ug/l	97
22) Diisopropyl ether	3.87	45	334454	20.646	ug/l	93
23) Vinyl Acetate	3.82	43	1323485	99.882	ug/l	99
24) 1,1-Dichloroethane	3.70	63	193024	19.961	ug/l	97
25) 2-Butanone	4.70	43	418105	101.957	ug/l	97
26) 2,2-Dichloropropane	4.59	77	138089	18.486	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	128421	19.969	ug/l	99
28) Bromochloromethane	5.02	49	88651	20.660	ug/l	96
29) Tetrahydrofuran	5.15	42	273314	101.193	ug/l	99
30) Chloroform	5.21	83	198252	19.798	ug/l	96
31) Cyclohexane	5.58	56	171272	19.496	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	165849	19.614	ug/l	99
36) 1,1-Dichloropropene	5.80	75	148940	19.700	ug/l	99
37) Ethyl Acetate	4.85	43	156209	19.852	ug/l	99
38) Carbon Tetrachloride	5.79	117	138012	18.784	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	190661	19.156	ug/l	98
40) Benzene	6.14	78	457014	19.887	ug/l	98
41) Methacrylonitrile	5.06	41	87530	20.952	ug/l	98
42) 1,2-Dichloroethane	6.20	62	153959	19.661	ug/l	99
43) Isopropyl Acetate	6.46	43	241230	20.148	ug/l	99
44) Trichloroethene	7.21	130	135074	19.420	ug/l	94
45) 1,2-Dichloropropane	7.52	63	113044	20.214	ug/l	99
46) Dibromomethane	7.66	93	80849	19.655	ug/l	99
47) Bromodichloromethane	7.90	83	127900	18.728	ug/l	99
48) Methyl methacrylate	7.77	41	126798	20.826	ug/l	99
49) 1,4-Dioxane	7.75	88	68275	416.995	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	809345	106.242	ug/l	100
52) Toluene	8.78	92	296198	19.951	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	136098	18.582	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	158714	19.749	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	123236	20.279	ug/l	98
56) Ethyl methacrylate	9.18	69	177994	20.724	ug/l	99
57) 1,3-Dichloropropane	9.37	76	194993	19.944	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	460800	100.928	ug/l	99
59) 2-Hexanone	9.49	43	625075	107.242	ug/l	100
60) Dibromochloromethane	9.58	129	106930	18.366	ug/l	98
61) 1,2-Dibromoethane	9.67	107	132843	20.564	ug/l	99
64) Tetrachloroethene	9.34	164	132627	19.991	ug/l	99
65) Chlorobenzene	10.14	112	352205	19.870	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	109876	19.868	ug/l	99
67) Ethyl Benzene	10.25	91	568625	19.632	ug/l	99
68) m/p-Xylenes	10.36	106	458353	40.103	ug/l	100
69) o-Xylene	10.70	106	226529	20.071	ug/l	99
70) Styrene	10.71	104	360355	20.182	ug/l	99
71) Bromoform	10.86	173	75601	18.263	ug/l #	98
73) Isopropylbenzene	11.02	105	595567	19.671	ug/l	99
74) N-amyl acetate	10.90	43	221409	20.431	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	183818	20.415	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	170912m	20.781	ug/l	
77) Bromobenzene	11.26	156	159149	19.443	ug/l	97
78) n-propylbenzene	11.36	91	652235	19.563	ug/l	99
79) 2-Chlorotoluene	11.42	91	397180	19.658	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	493061	19.772	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	37832	17.046	ug/l #	84
82) 4-Chlorotoluene	11.51	91	459033	19.807	ug/l	99
83) tert-Butylbenzene	11.77	119	493506	19.773	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	504297	19.226	ug/l	100
85) sec-Butylbenzene	11.94	105	602595	19.692	ug/l	99
86) p-Isopropyltoluene	12.06	119	534422	19.868	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	288895	19.584	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	289291	19.130	ug/l	97
89) n-Butylbenzene	12.38	91	444230	19.405	ug/l	99
90) Hexachloroethane	12.60	117	67022	18.165	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	291539	19.756	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33886	18.188	ug/l	98

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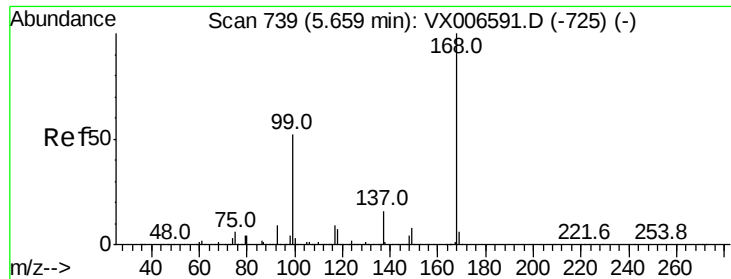
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	195427	19.199	ug/l	100
94) Hexachlorobutadiene	13.78	225	89925	18.742	ug/l	98
95) Naphthalene	13.83	128	628321	19.340	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	195481	18.600	ug/l	99

(#) = 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: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion:168 Resp: 588775

Ion Ratio Lower Upper

168 100

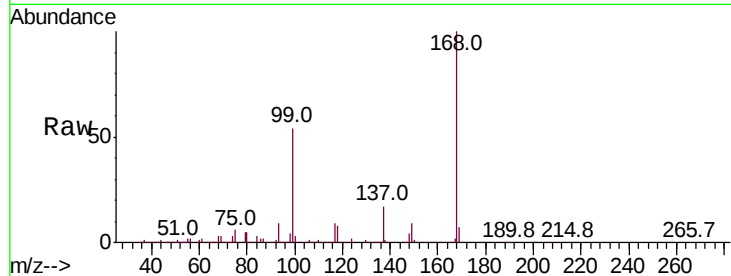
99 53.5 41.8 62.8

Manual Integrations

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12/21/2018 10:18:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

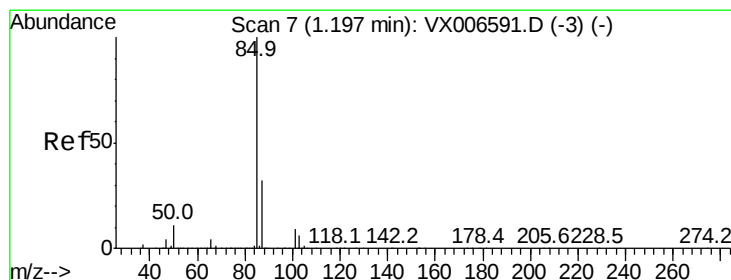
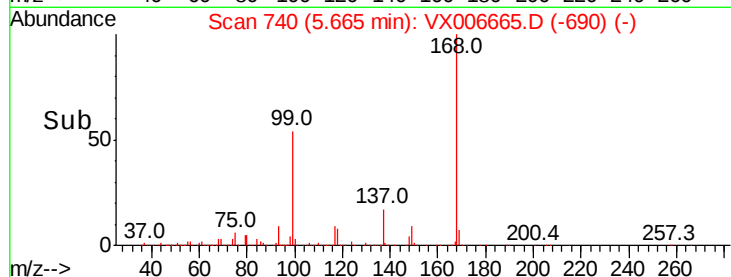
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50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.202 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX006665.D

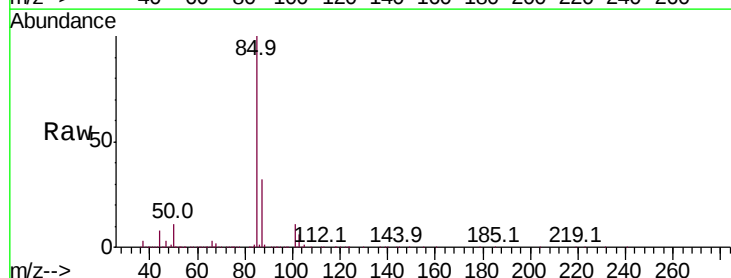
Acq: 20 Dec 2018 10:27

Tgt Ion: 85 Resp: 103428

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

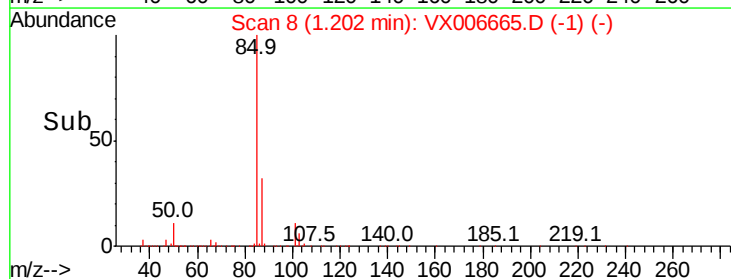
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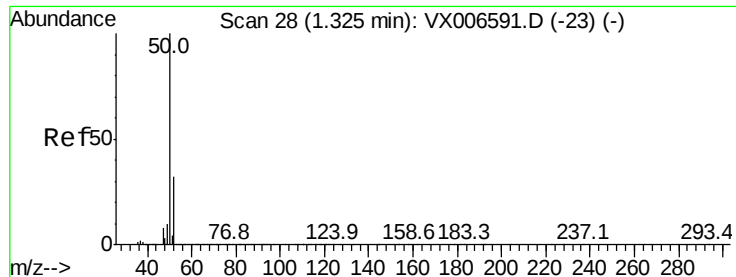
20000

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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.169 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 50 Resp: 117038

Ion Ratio Lower Upper

50 100

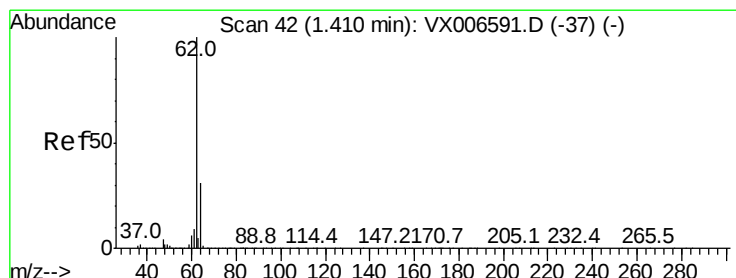
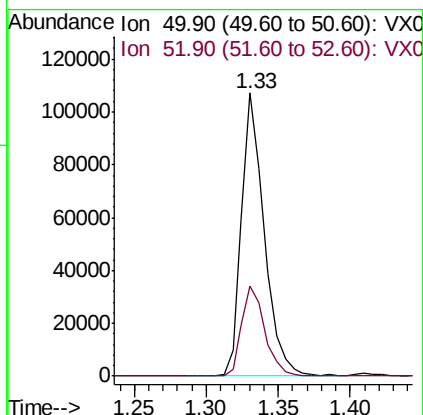
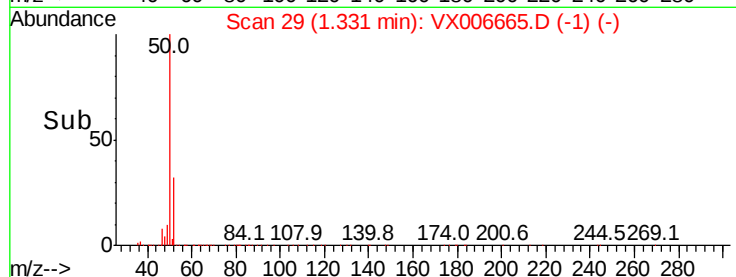
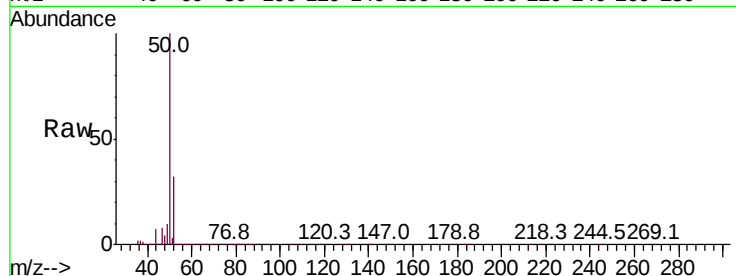
52 31.5 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.887 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006665.D

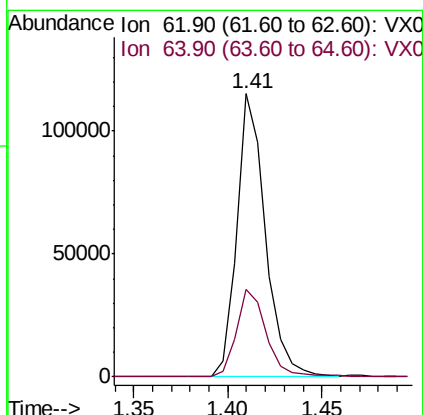
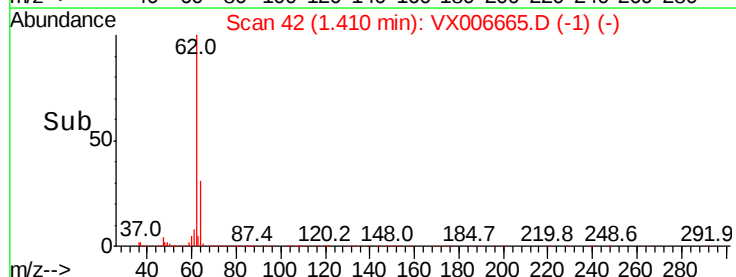
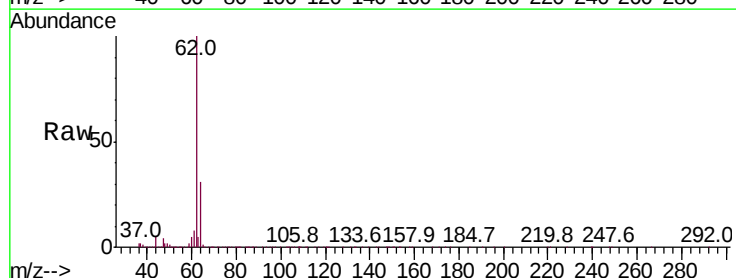
Acq: 20 Dec 2018 10:27

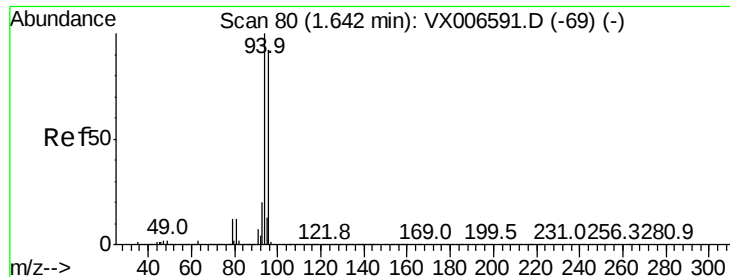
Tgt Ion: 62 Resp: 120528

Ion Ratio Lower Upper

62 100

64 31.0 25.1 37.7





#5

Bromomethane

Concen: 20.925 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 94 Resp: 124650

Ion Ratio Lower Upper

94 100

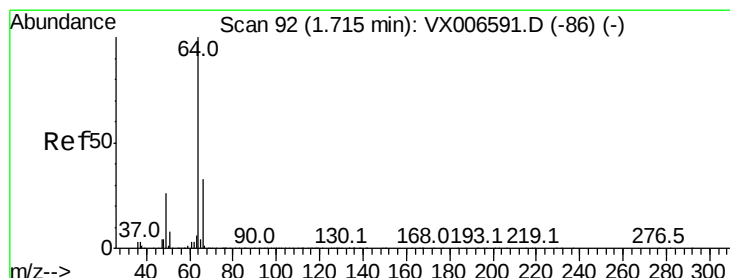
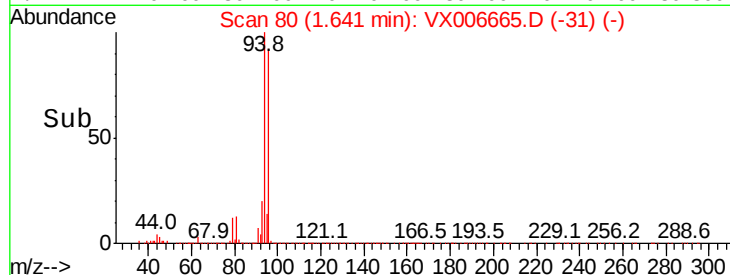
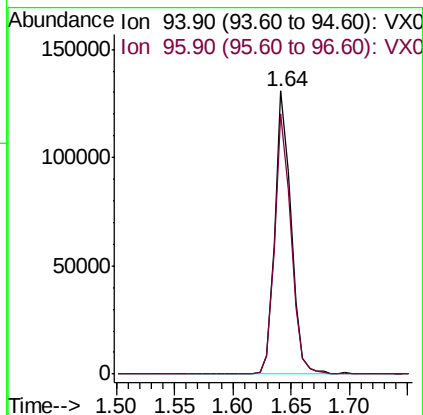
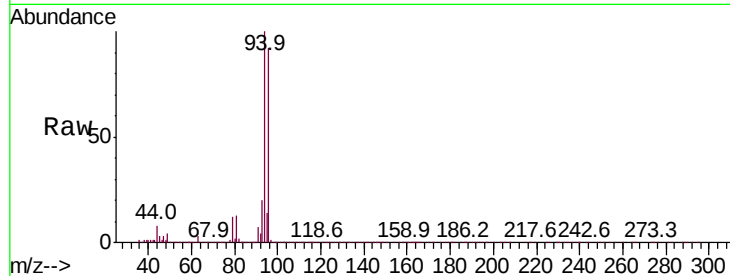
96 92.1 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 18.445 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006665.D

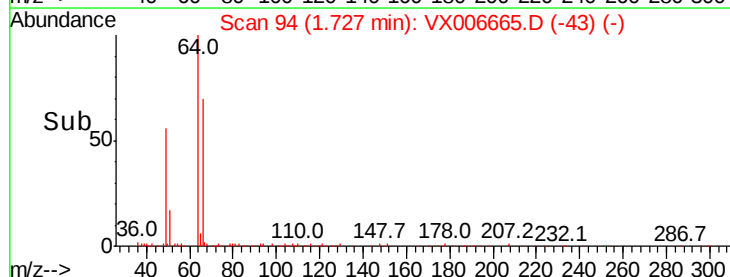
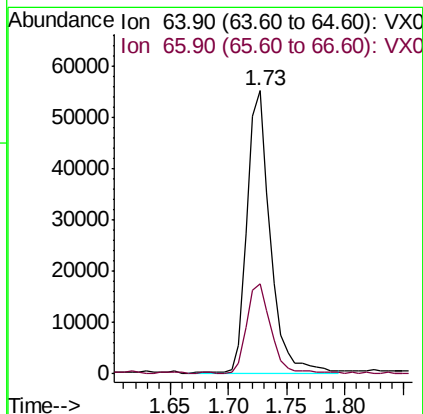
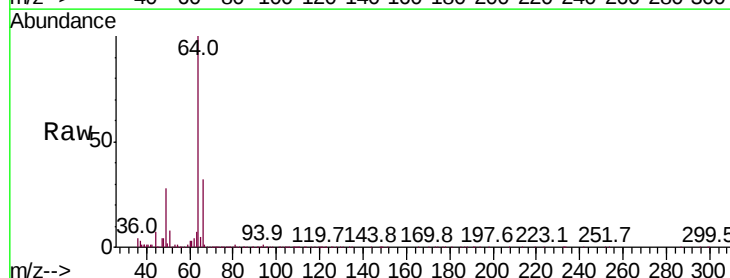
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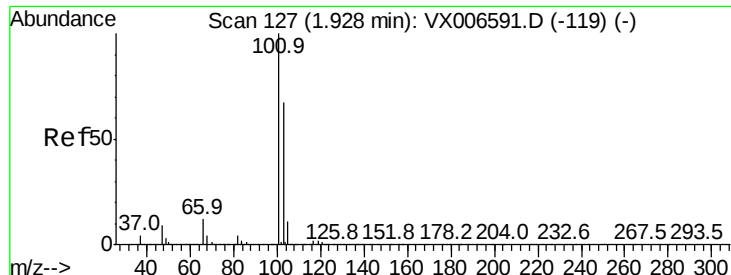
Tgt Ion: 64 Resp: 77403

Ion Ratio Lower Upper

64 100

66 31.8 26.4 39.6





#7

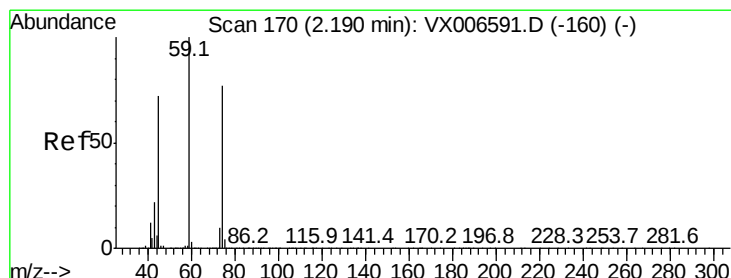
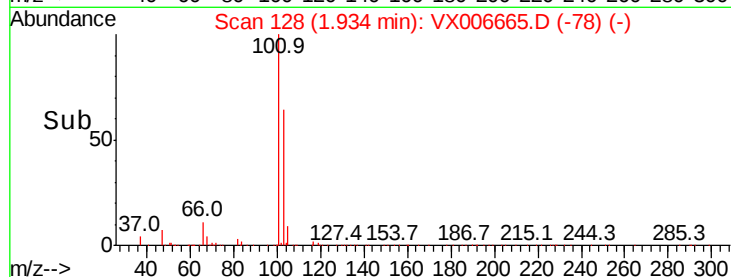
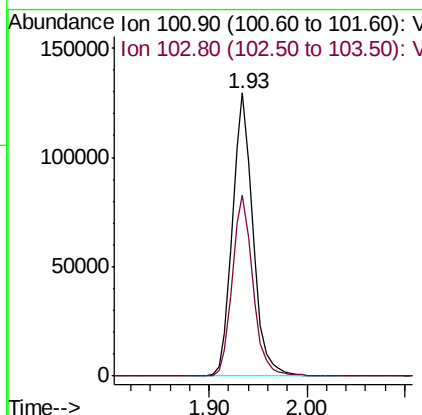
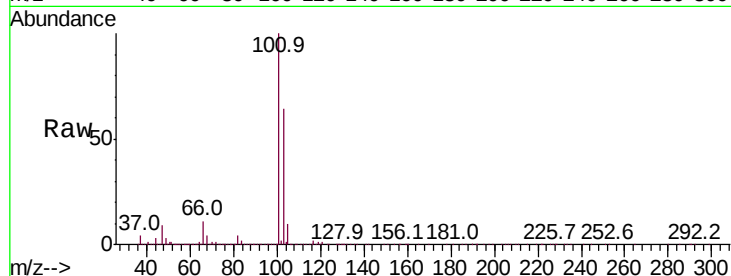
Trichlorofluoromethane
Concen: 19.928 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

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VX1220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	188299		
103	63.8	53.2	79.8	

Manual Integrations
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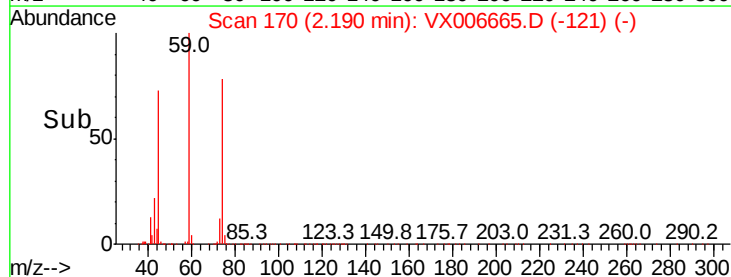
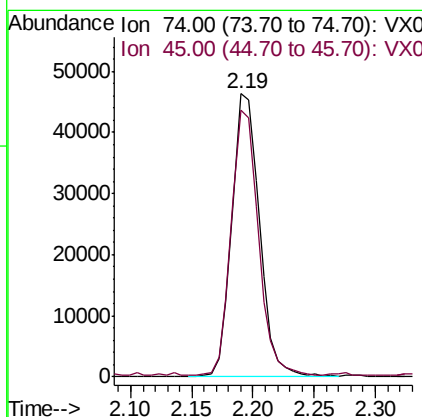
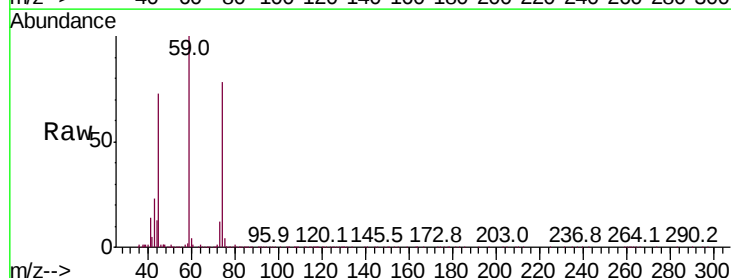
MMDadoda
12/21/2018 10:18:54 AM

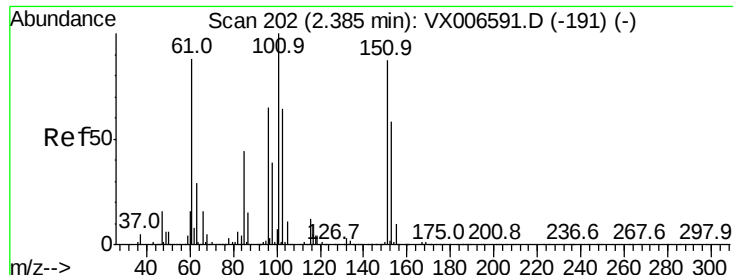


#8

Diethyl Ether
Concen: 19.325 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	72526		
45	92.1	46.3	138.9	





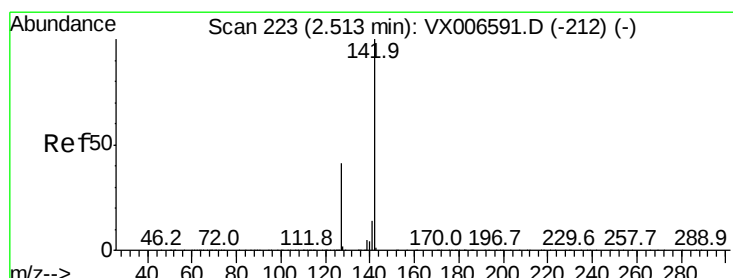
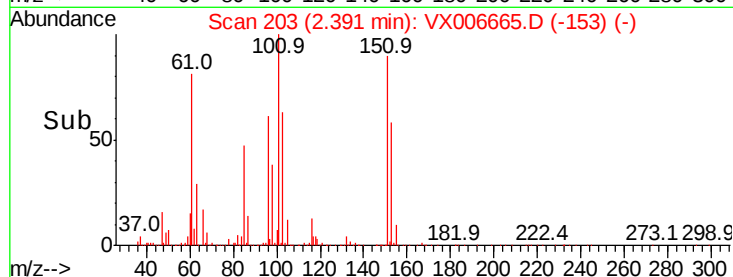
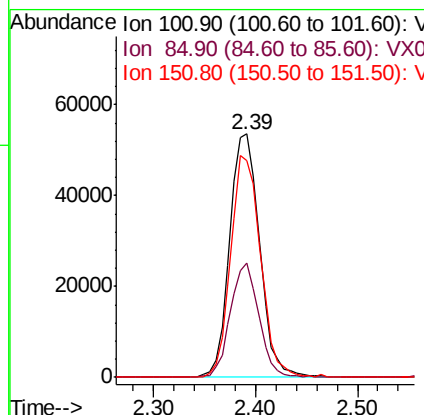
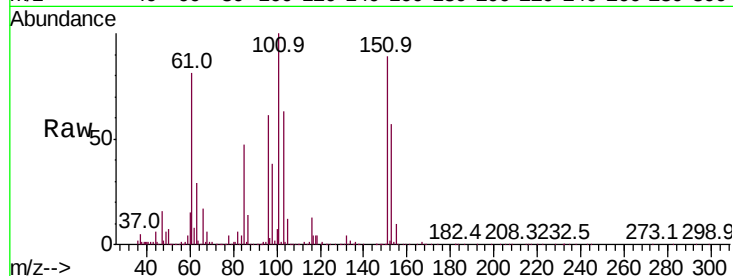
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.578 ug/l
RT: 2.39 min Scan# 203
Delta R.T. 0.01 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	108619		
85	44.8	35.1	52.7	
151	90.5	68.9	103.3	

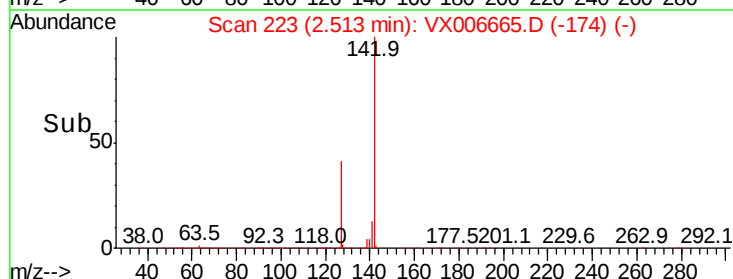
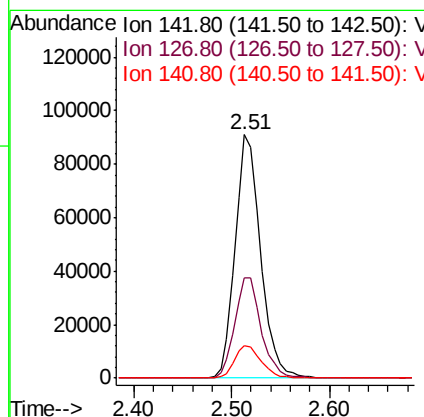
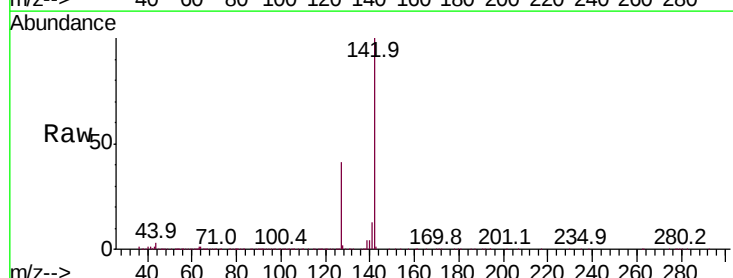
Manual Integrations
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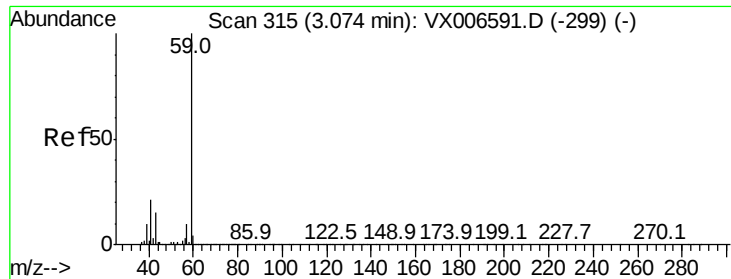
MMDadoda
12/21/2018 10:18:54 AM



#10
Methyl Iodide
Concen: 20.675 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	164192		
127	43.2	33.9	50.9	
141	14.2	11.4	17.0	





#11

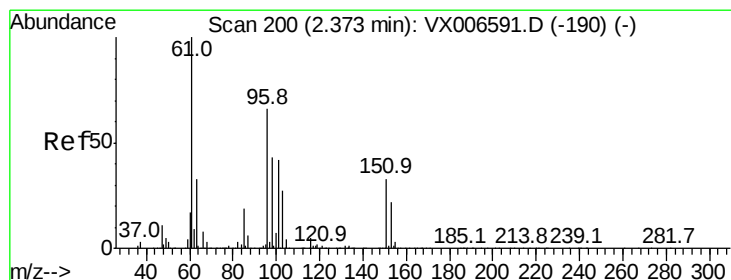
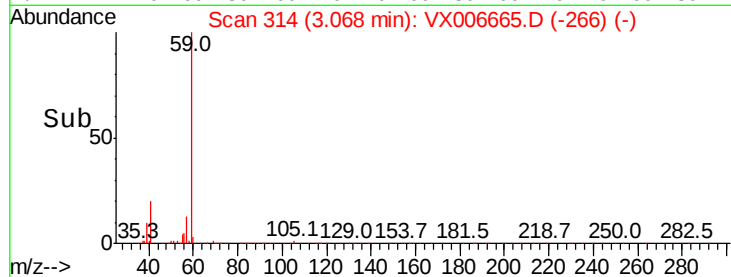
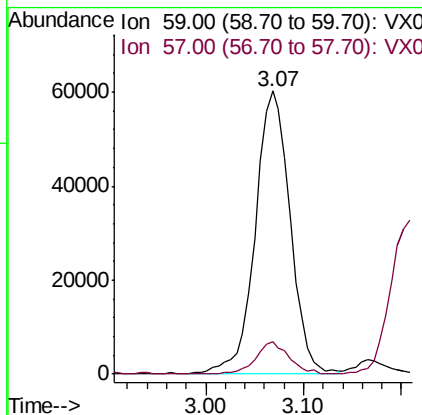
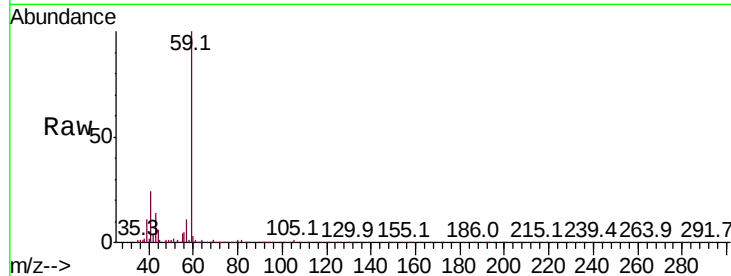
Tert butyl alcohol
 Concen: 104.920 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX006665.D
 Acq: 20 Dec 2018 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBS01

Tot Ion	59	57	Ratio	100	10.3	Resp	Lower	Upper
148583								
							8.5	12.7

Manual Integrations
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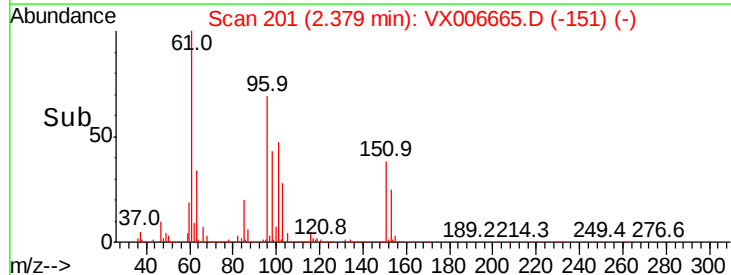
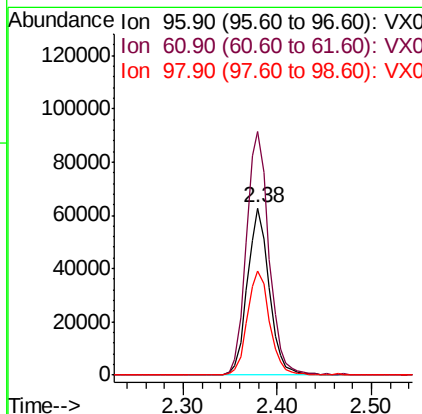
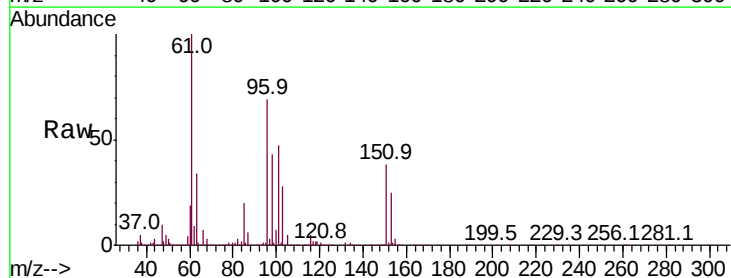
MMDadoda
 12/21/2018 10:18:54 AM

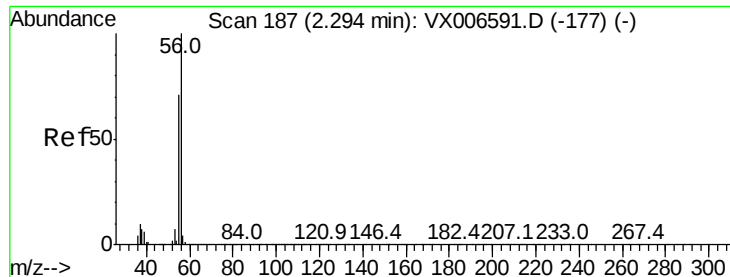


#12

1,1-Dichloroethene
 Concen: 19.289 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX006665.D
 Acq: 20 Dec 2018 10:27

Tgt Ion	96	61	98	Ratio	100	145.7	62.6	Resp	Lower	Upper
101468										
									121.4	182.2
									51.9	77.9





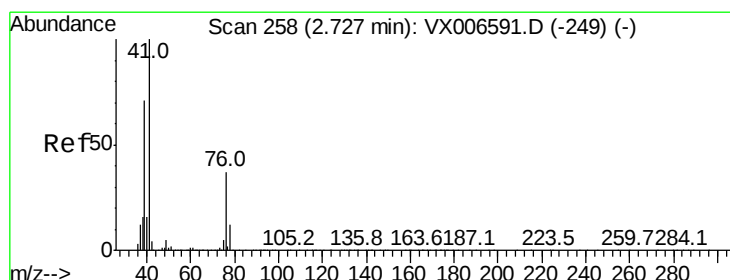
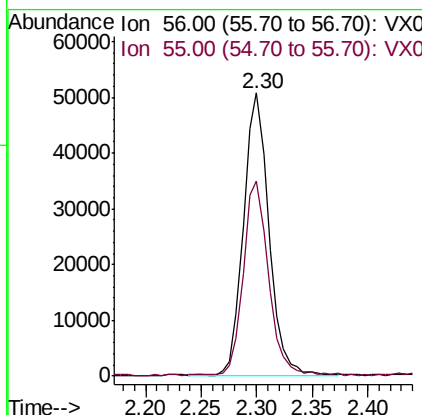
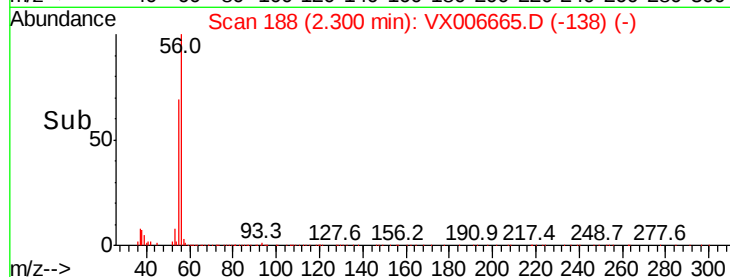
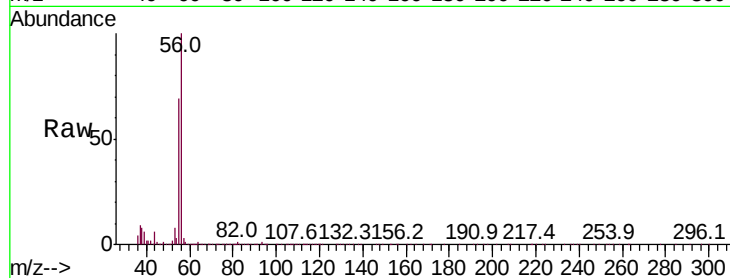
#13
Acrolein
Concen: 84.348 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	66.9	58.2	87.4

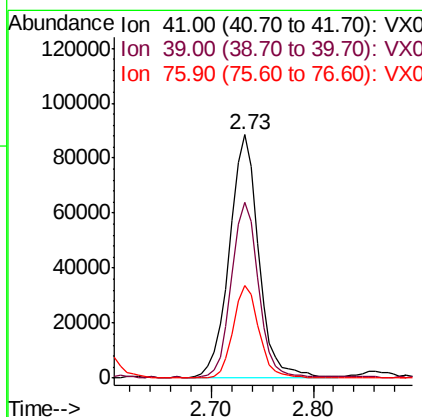
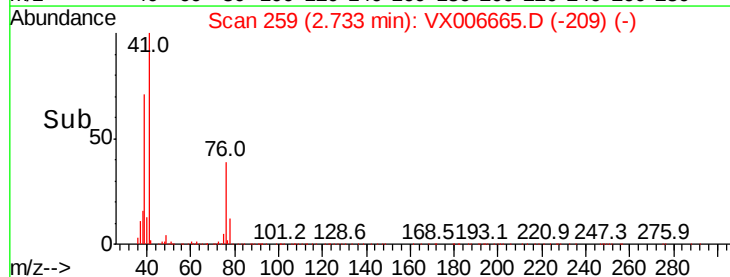
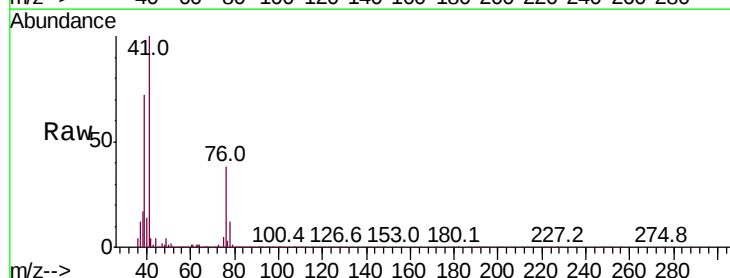
Manual Integrations
APPROVED

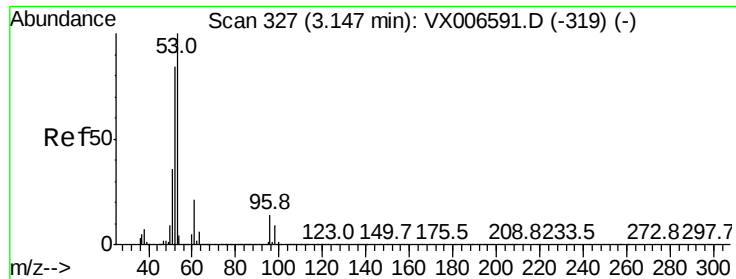
MMDadoda
12/21/2018 10:18:54 AM



#14
Allyl chloride
Concen: 19.708 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.01 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.5	53.6	80.4
76	33.0	27.4	41.2





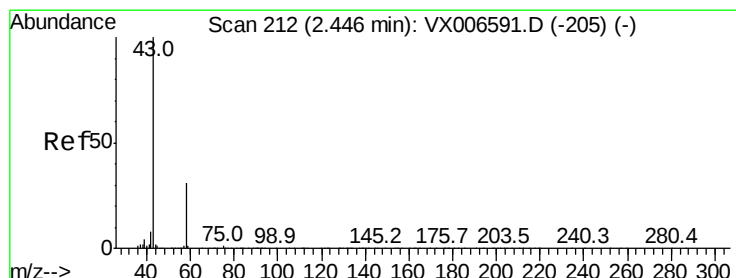
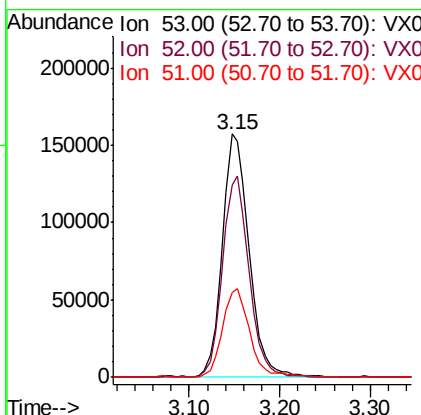
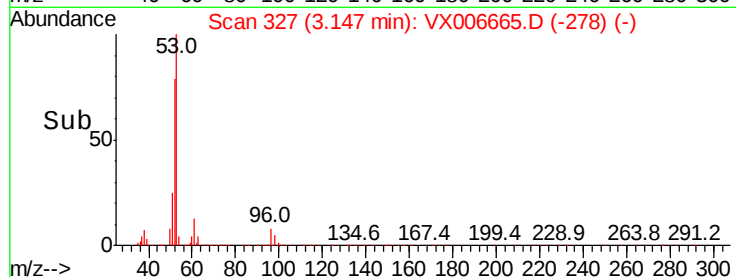
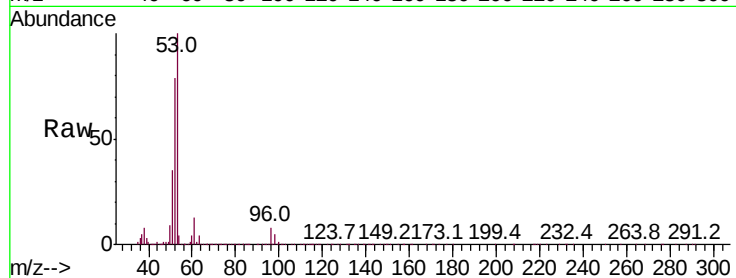
#15
 Acrylonitrile
 Concen: 102.104 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX006665.D
 Acq: 20 Dec 2018 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.0	99.0
51	36.9	28.6	42.8

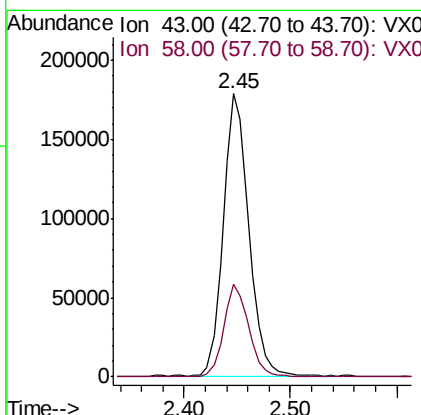
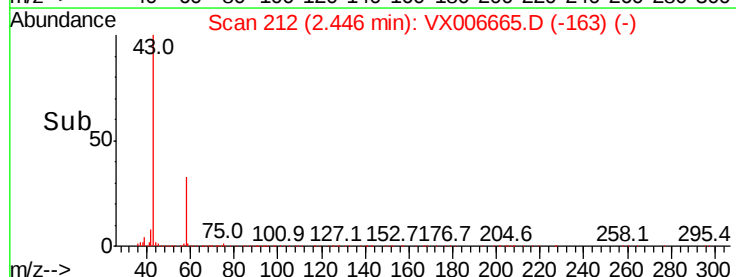
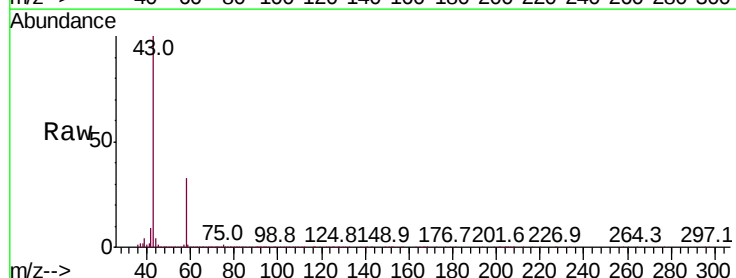
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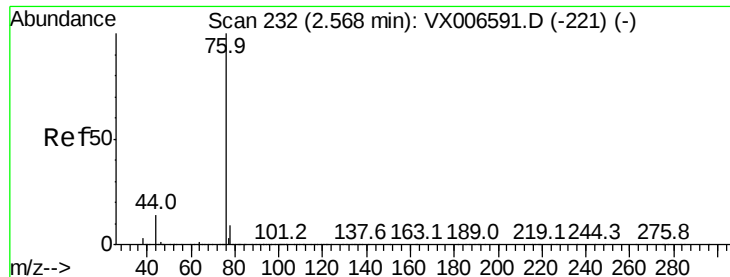
MMDadoda
 12/21/2018 10:18:54 AM



#16
 Acetone
 Concen: 101.838 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX006665.D
 Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.0	37.6





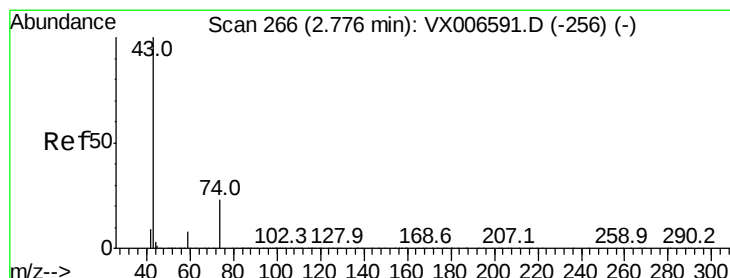
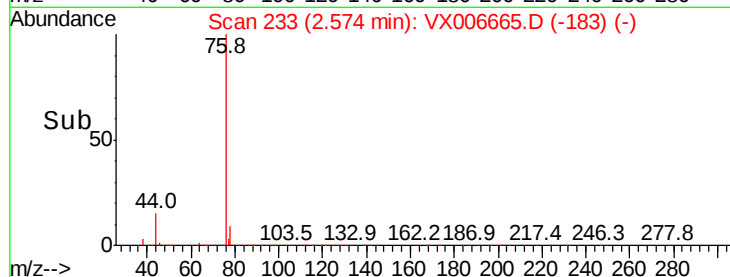
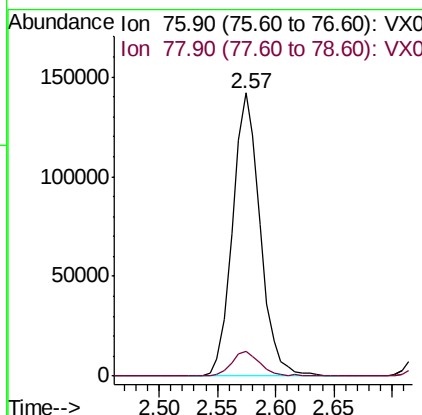
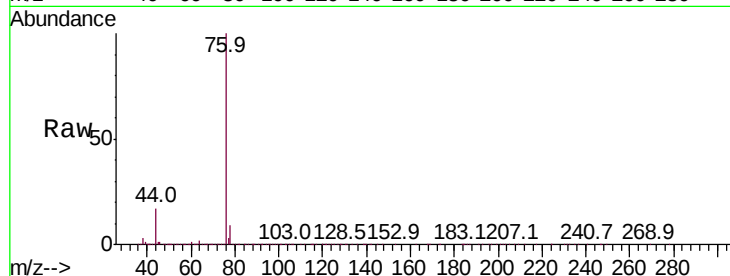
#17
Carbon Disulfide
Concen: 16.829 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion: 76 Resp: 234281
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

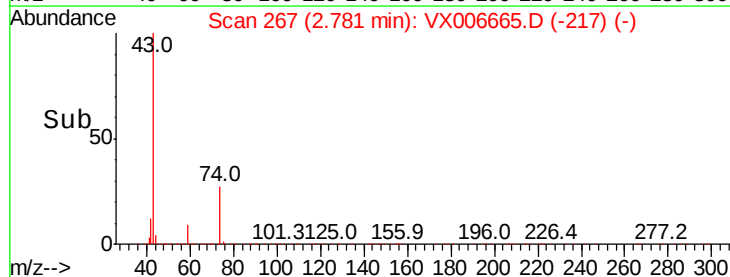
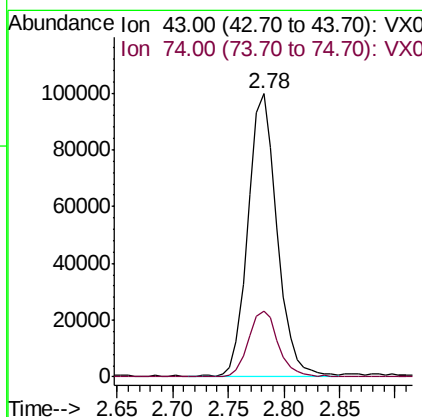
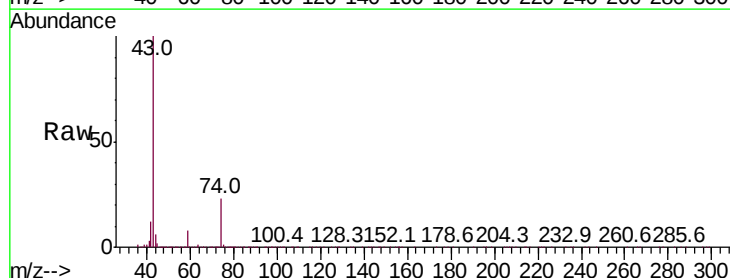
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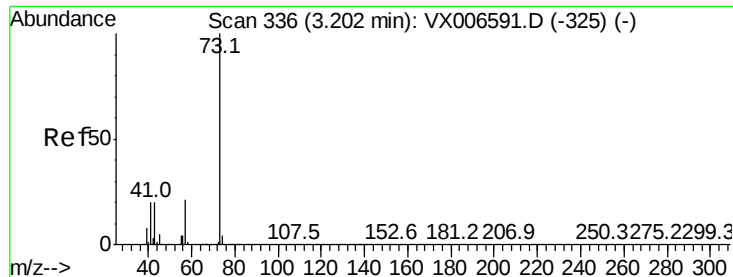
MMDadoda
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#18
Methyl Acetate
Concen: 21.016 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion: 43 Resp: 180162
Ion Ratio Lower Upper
43 100
74 24.3 18.6 28.0





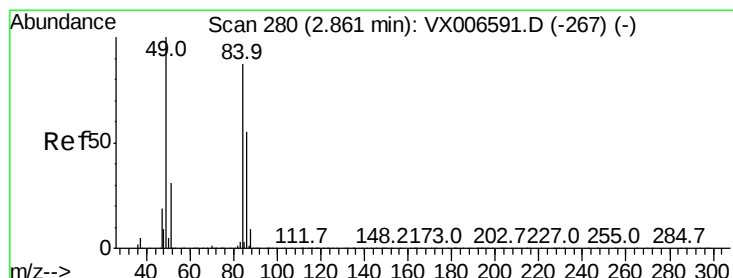
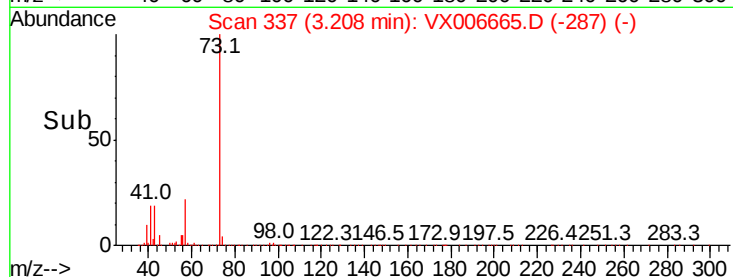
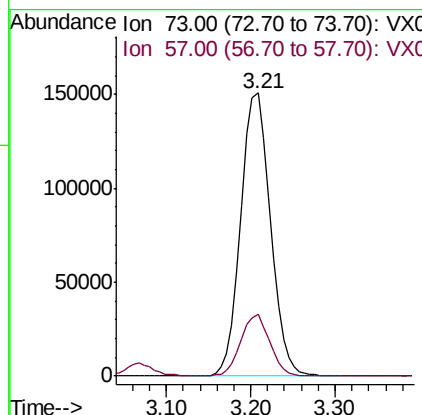
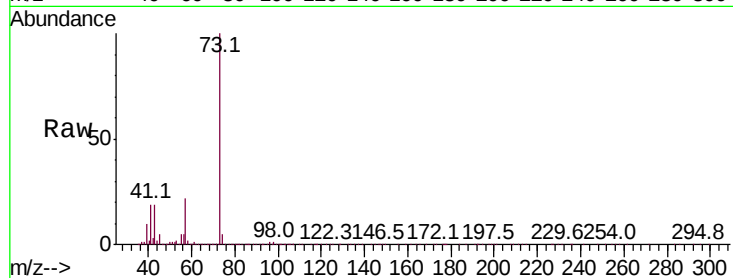
#19
Methvl tert-butvl Ether
Concen: 20.653 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.8	25.2

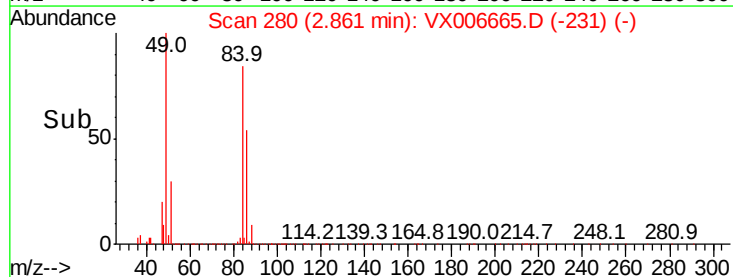
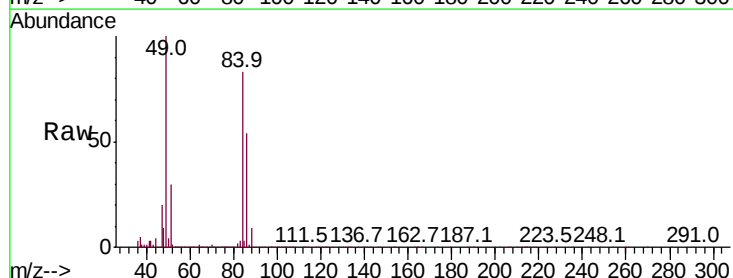
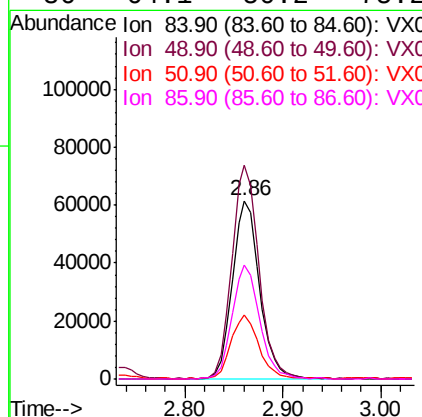
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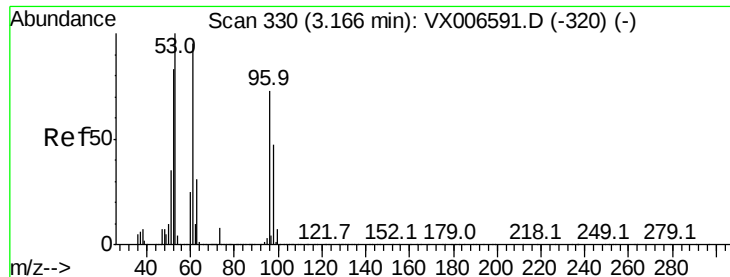
MMDadoda
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#20
Methylene Chloride
Concen: 19.650 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.5	91.8	137.6
51	35.8	28.5	42.7
86	64.1	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.908 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 96 Resp: 110207

Ion Ratio Lower Upper

96 100

61 134.1 103.7 155.5

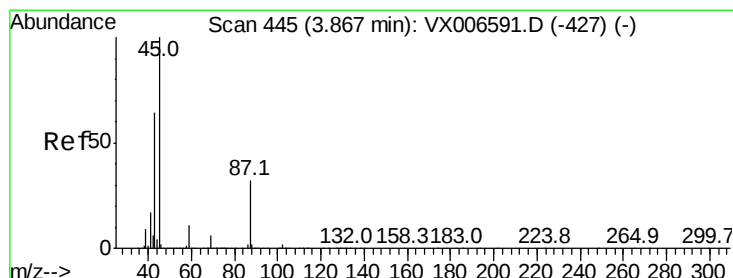
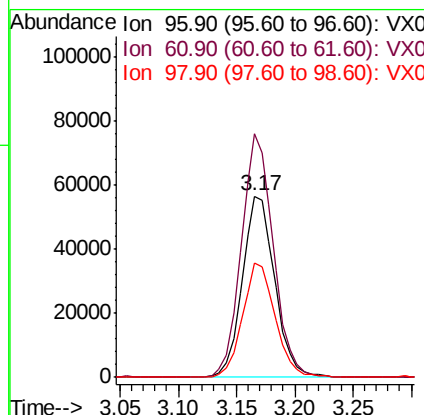
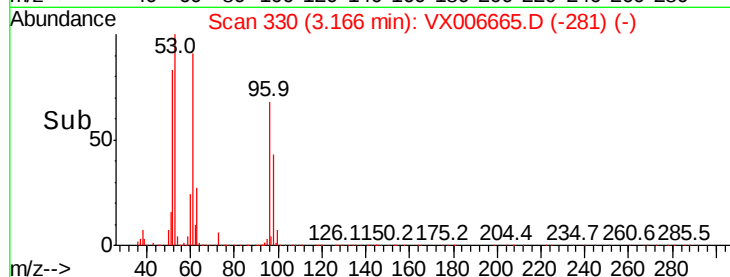
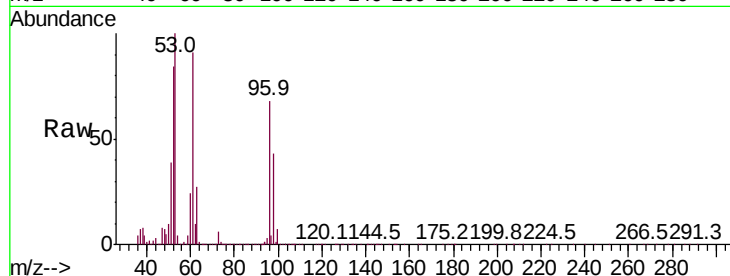
98 63.2 51.0 76.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.646 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Tgt Ion: 45 Resp: 334454

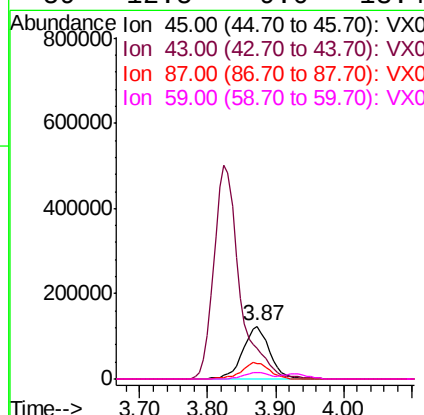
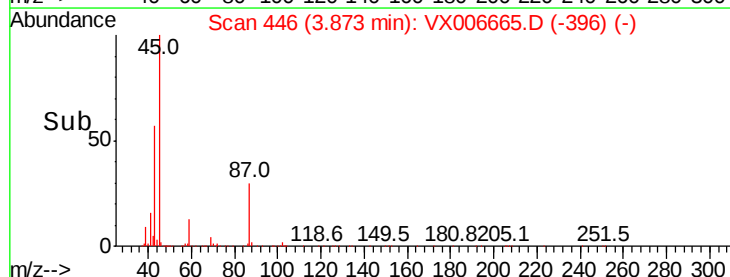
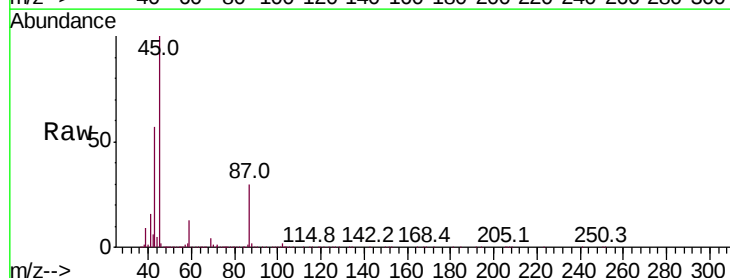
Ion Ratio Lower Upper

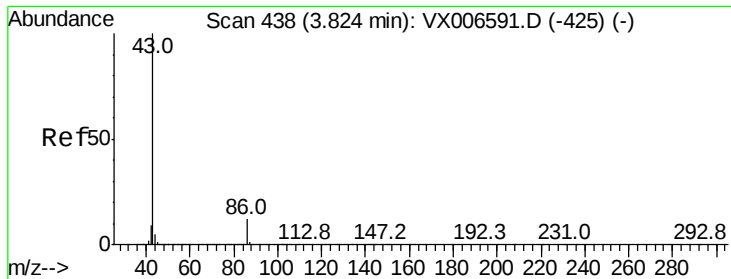
45 100

43 56.6 51.2 76.8

87 30.3 25.8 38.6

59 12.5 9.0 13.4





#23

Vinyl Acetate

Concen: 99.882 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 43 Resp: 1323485

Ion Ratio Lower Upper

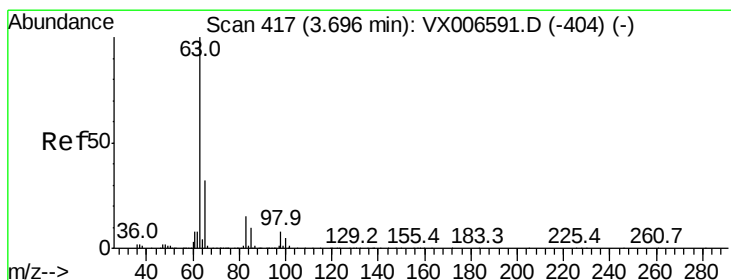
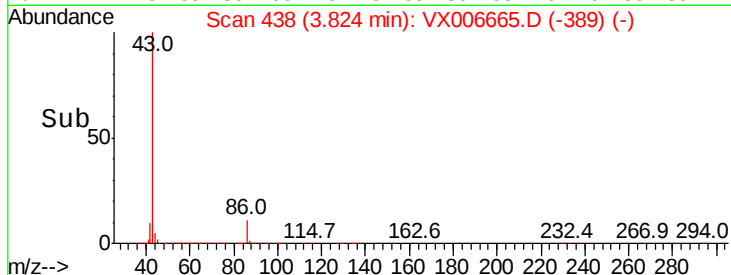
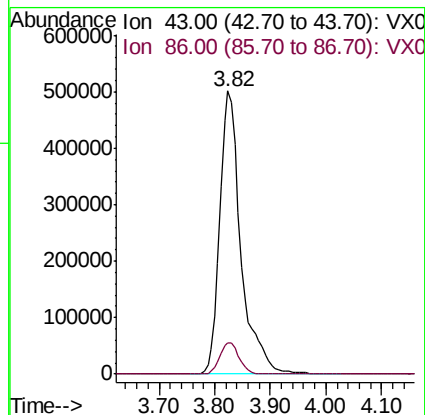
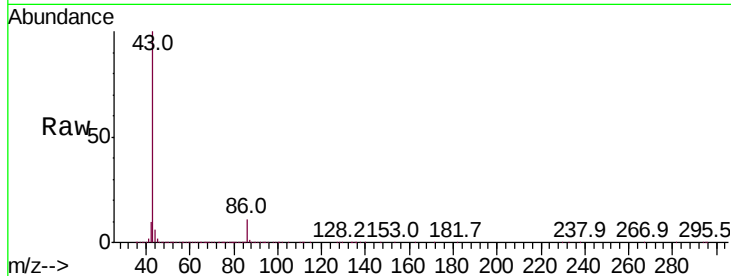
43 100

86 11.1 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 19.961 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

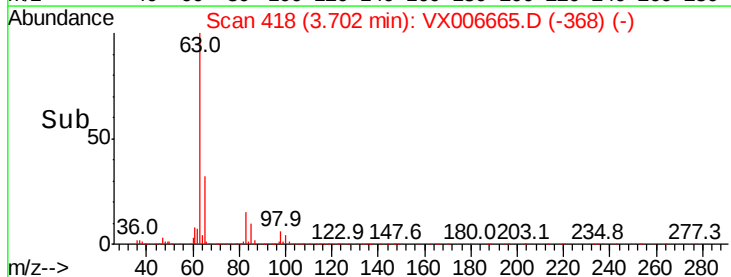
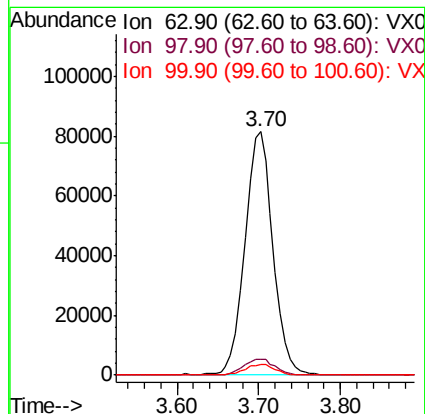
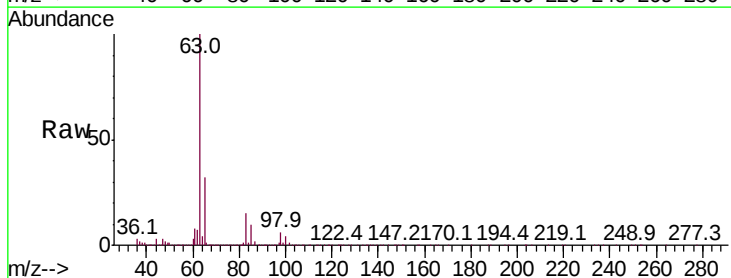
Tgt Ion: 63 Resp: 193024

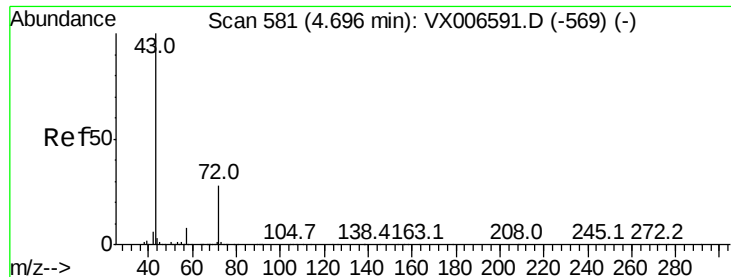
Ion Ratio Lower Upper

63 100

98 6.3 3.9 11.5

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 101.957 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 43 Resp: 418105

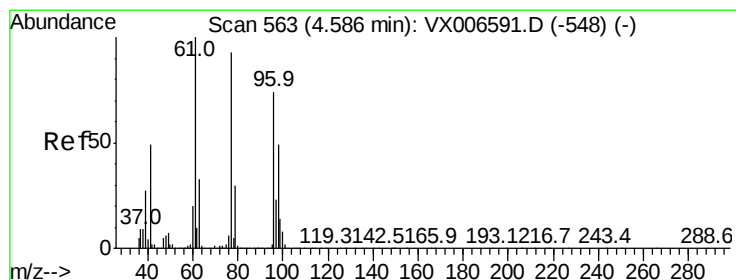
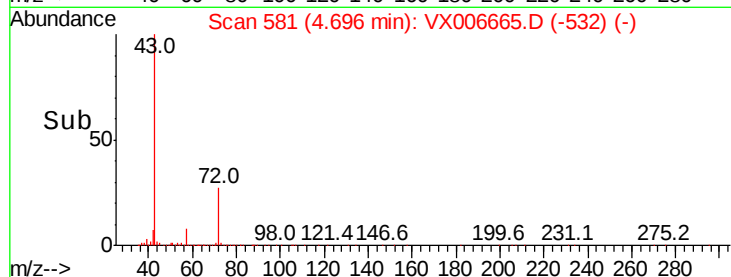
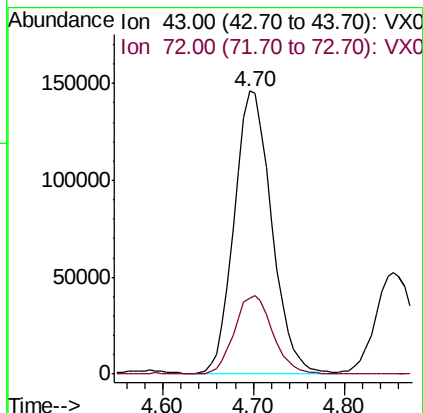
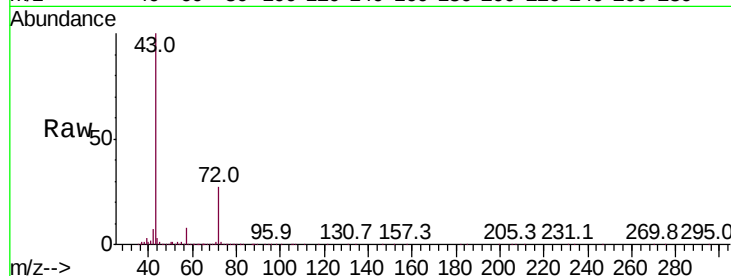
Ion Ratio Lower Upper

43 100

72 26.5 22.4 33.6

Manual Integrations
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12/21/2018 10:18:54 AM



#26

2,2-Dichloropropane

Concen: 18.486 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX006665.D

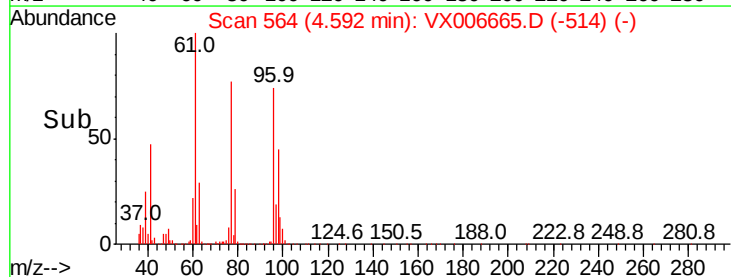
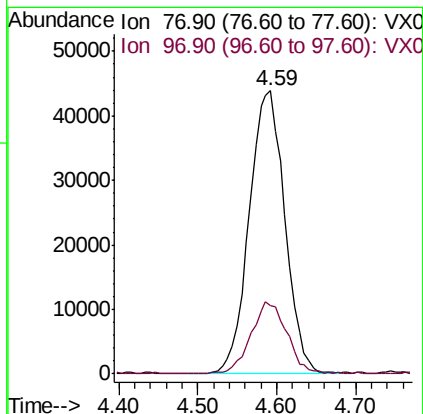
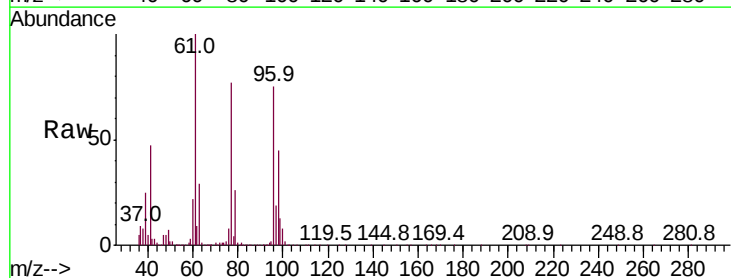
Acq: 20 Dec 2018 10:27

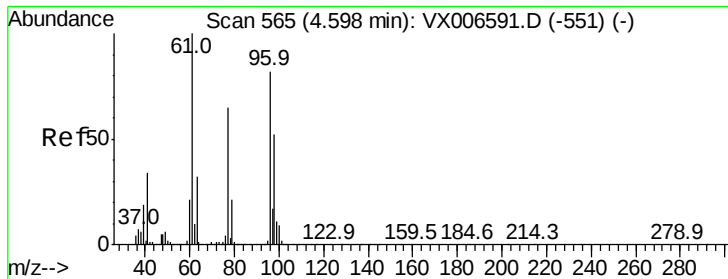
Tgt Ion: 77 Resp: 138089

Ion Ratio Lower Upper

77 100

97 25.6 12.4 37.4





#27

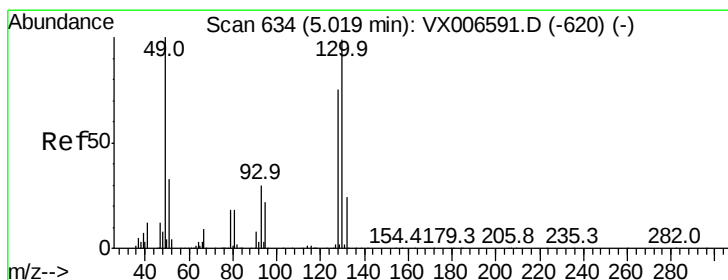
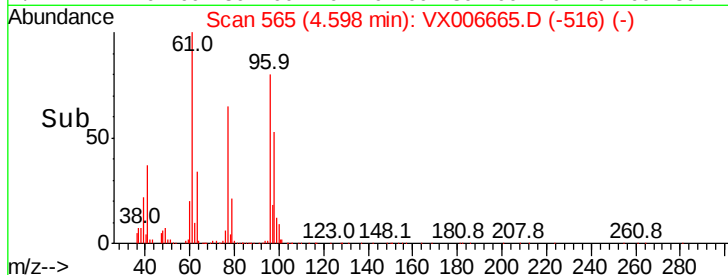
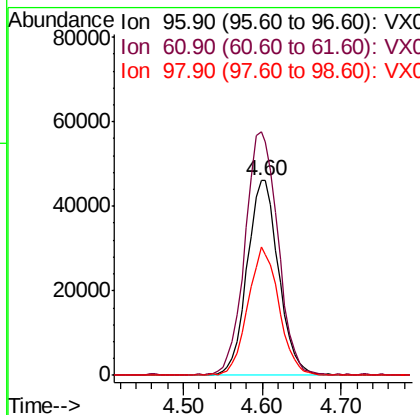
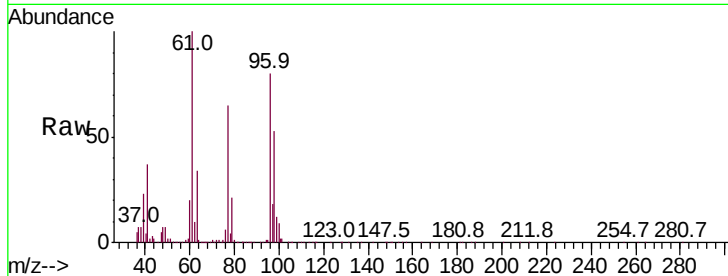
cis-1,2-Dichloroethene
Concen: 19.969 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	128421		
61	130.1	0.0	258.6	
98	64.8	0.0	132.0	

Manual Integrations
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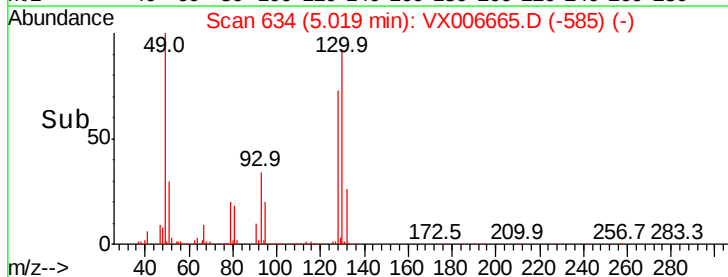
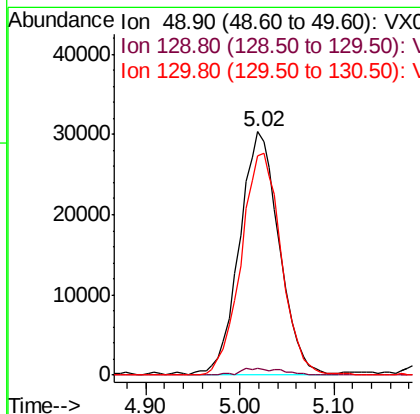
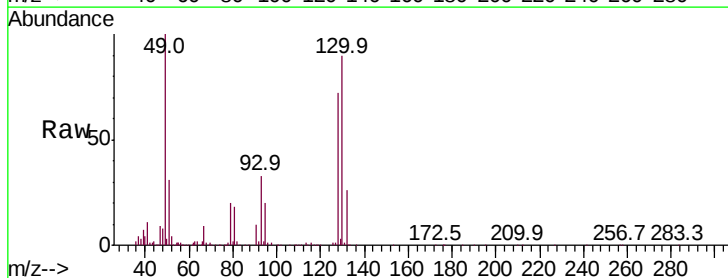
MMDadoda
12/21/2018 10:18:54 AM

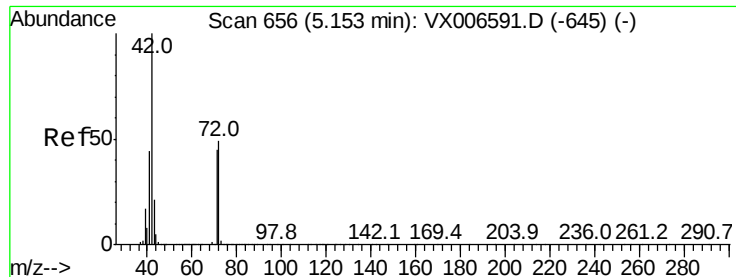


#28

Bromochloromethane
Concen: 20.660 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88651		
129	3.0	0.0	5.4	
130	92.9	77.7	116.5	





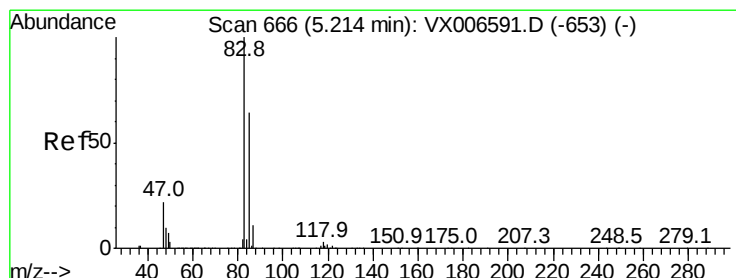
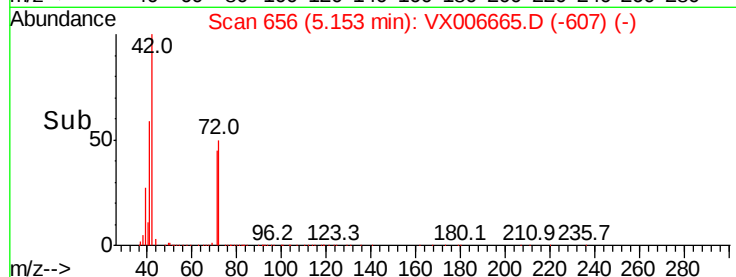
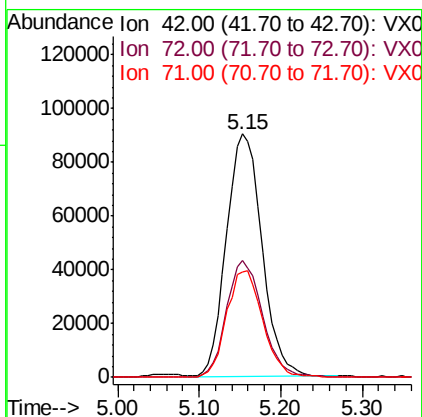
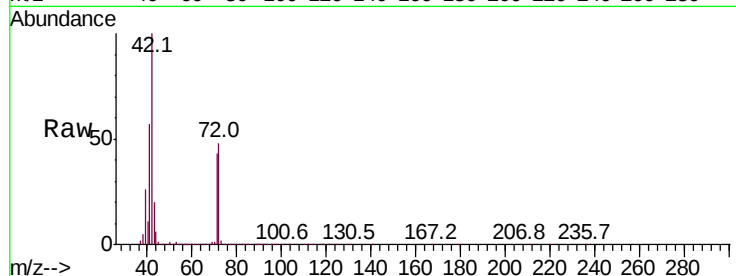
#29
Tetrahydrofuran
Concen: 101.193 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.9	58.3
71	44.6	36.2	54.4

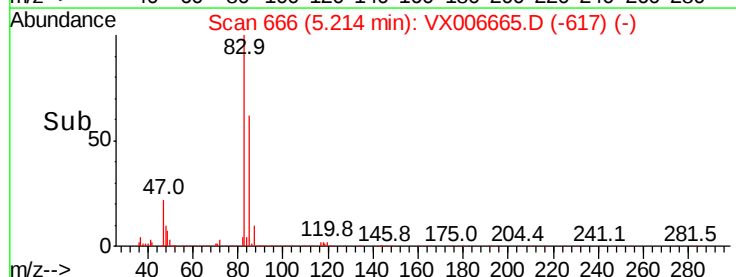
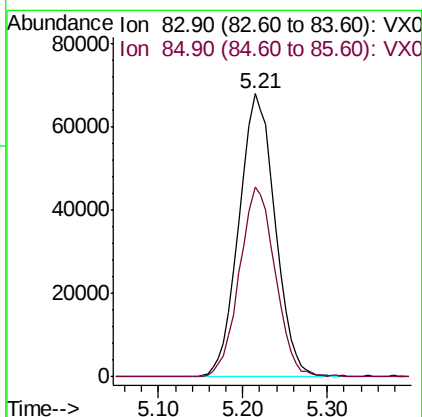
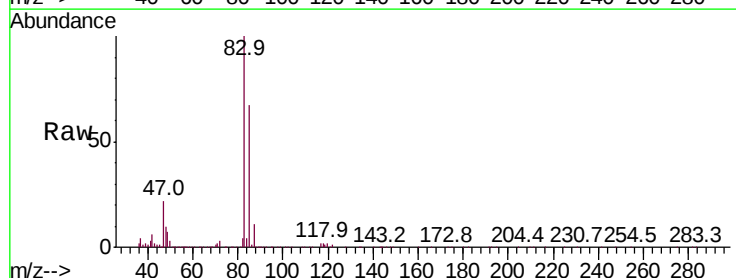
Manual Integrations
APPROVED

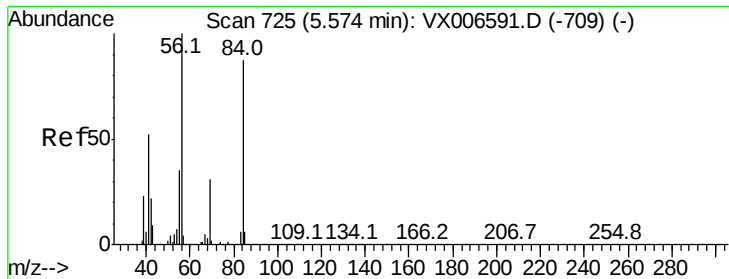
MMDadoda
12/21/2018 10:18:54 AM



#30
Chloroform
Concen: 19.798 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.2	76.8





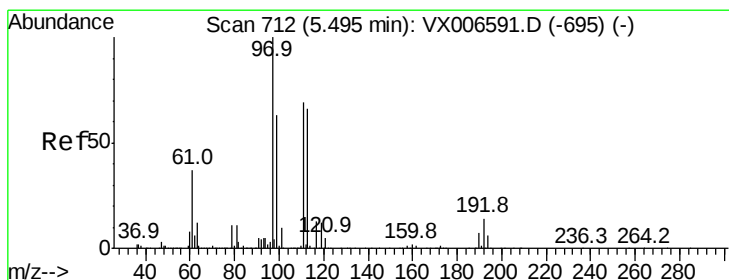
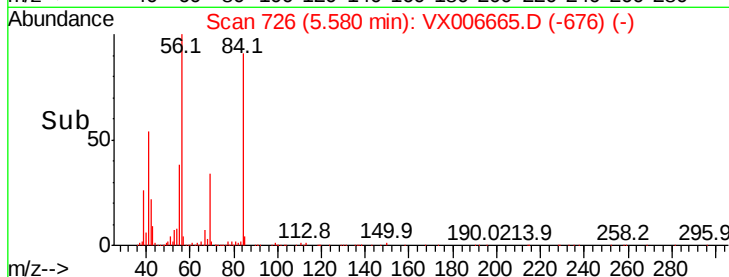
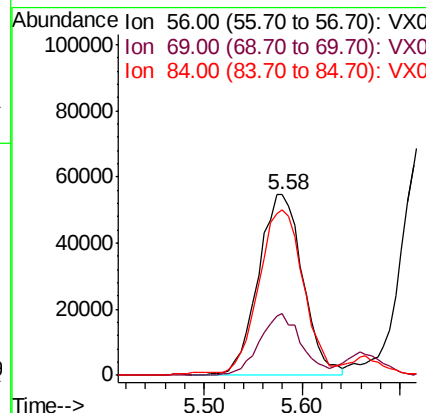
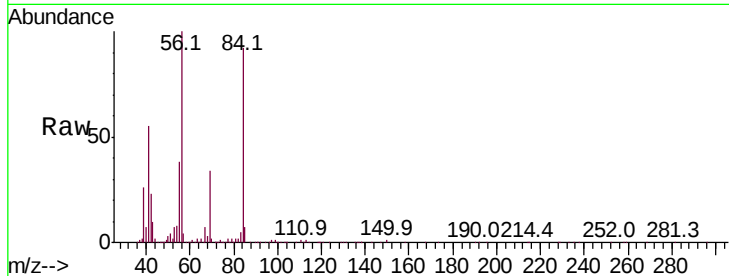
#31
Cyclohexane
Concen: 19.496 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	24.4	36.6
84	90.1	70.0	105.0

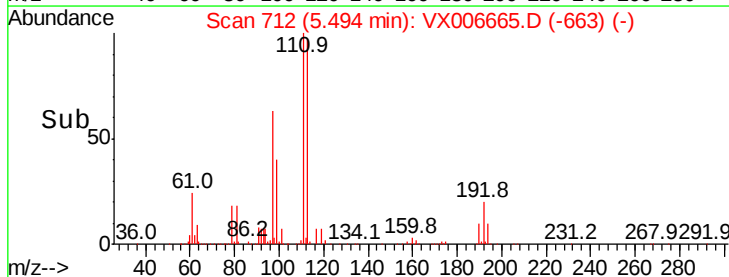
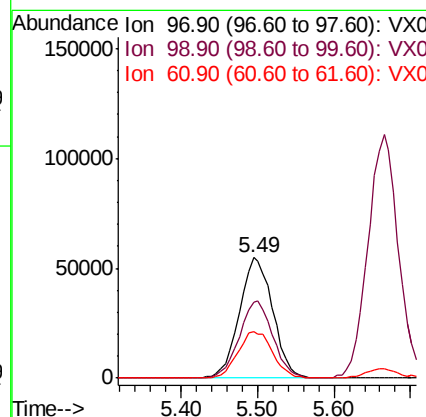
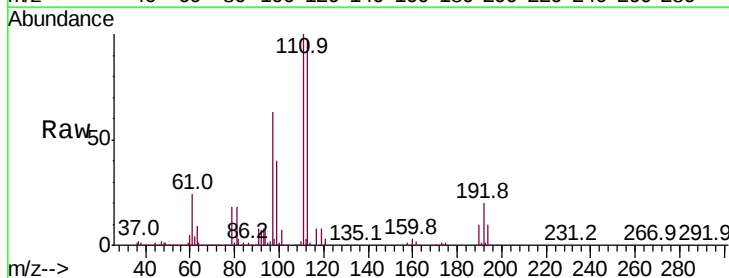
Manual Integrations
APPROVED

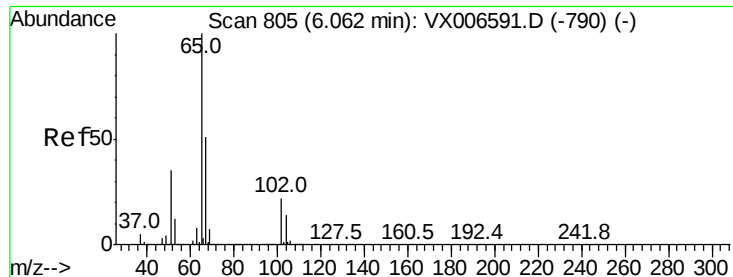
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.614 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	40.7	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.089 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 65 Resp: 317844

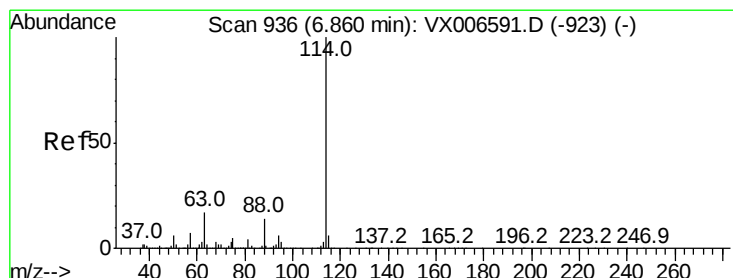
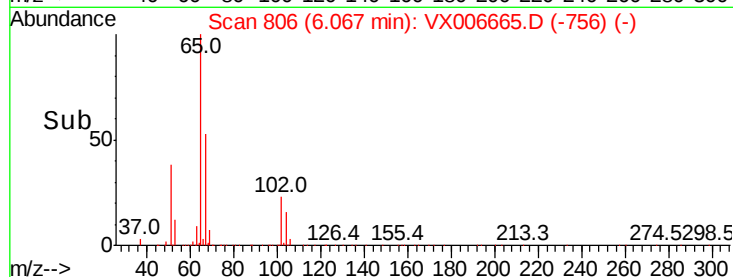
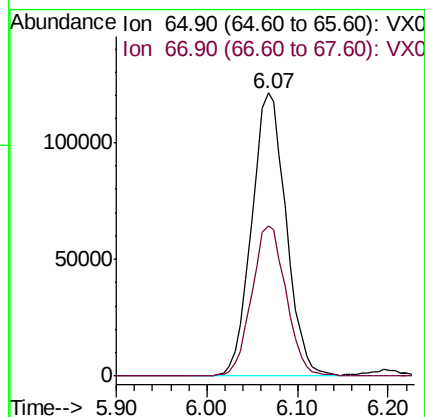
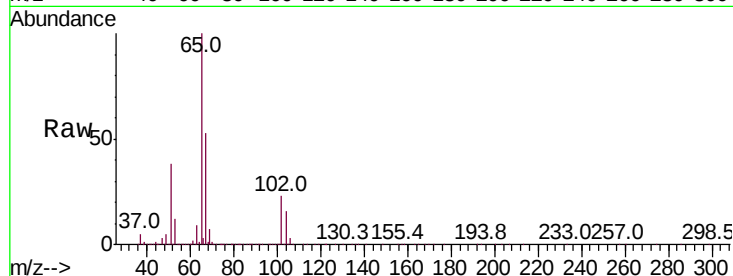
Ion Ratio Lower Upper

65 100

67 52.8 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: VX006665.D

Acq: 20 Dec 2018 10:27

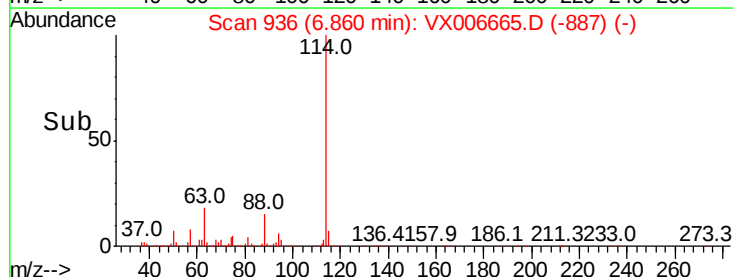
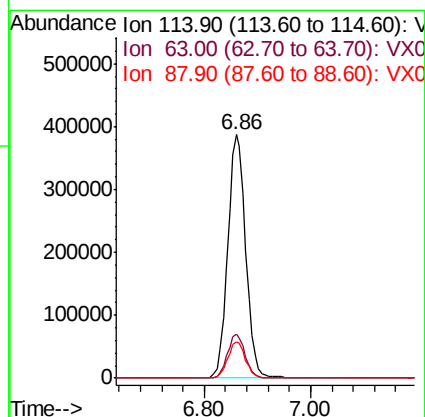
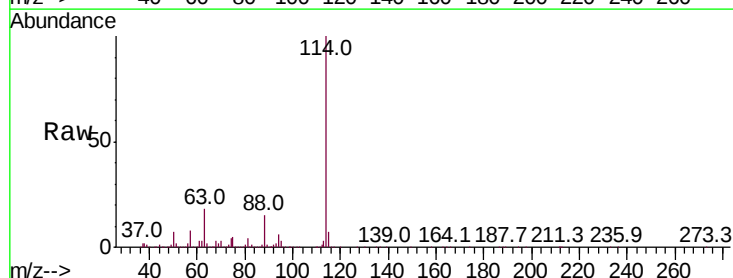
Tgt Ion: 114 Resp: 912822

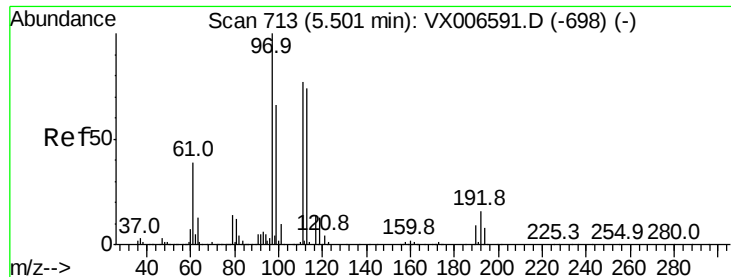
Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

88 14.9 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.593 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

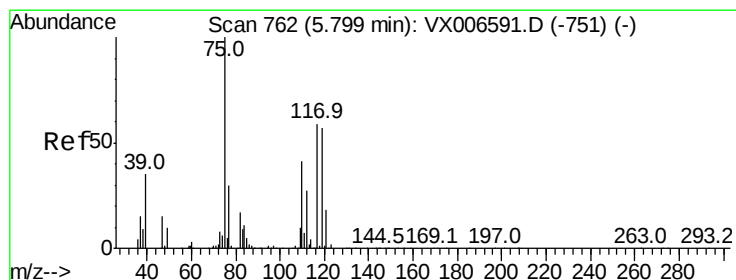
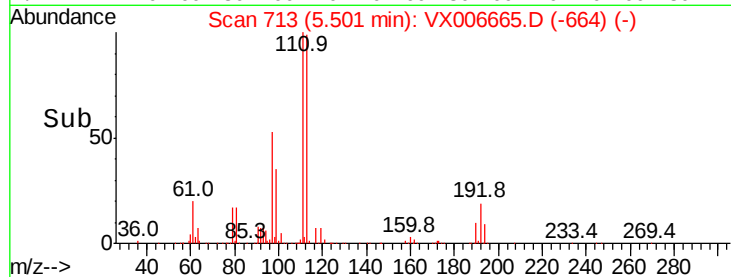
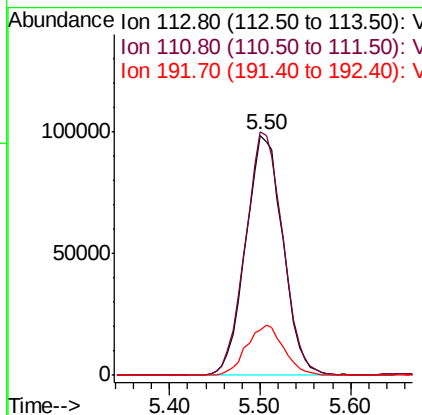
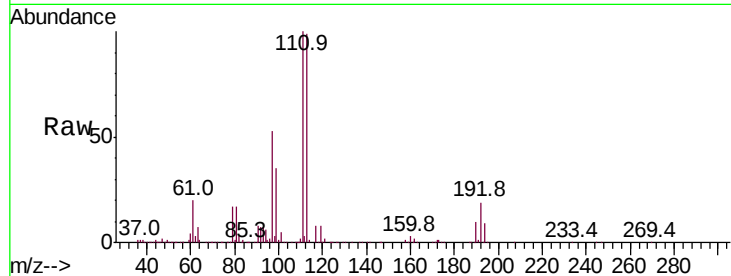
ClientSampleId :

VX1220WBS01

Tot Ion:	113	Resp:	280506
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.6	122.4
192	21.0	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.700 ug/l

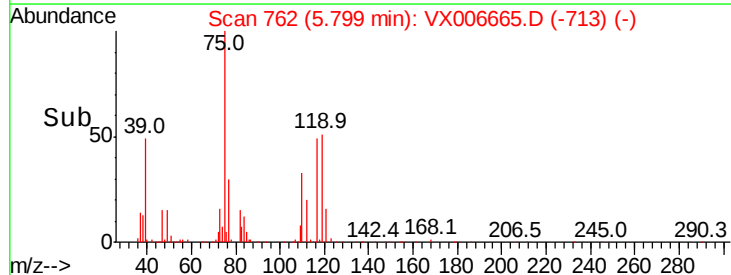
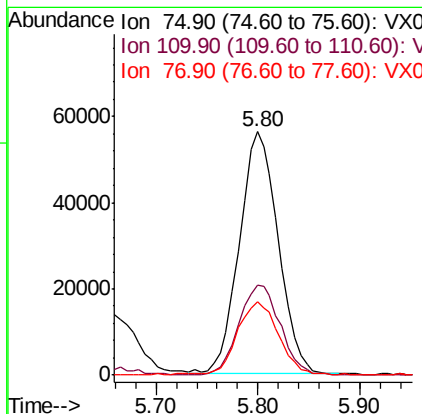
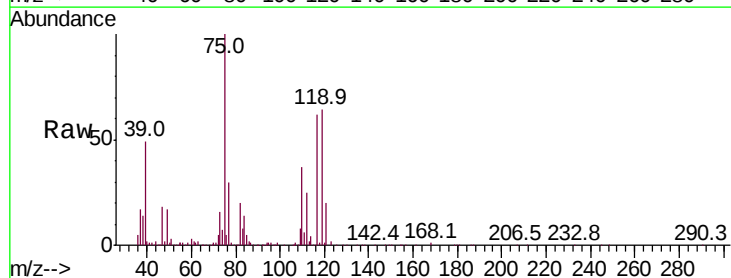
RT: 5.80 min Scan# 762

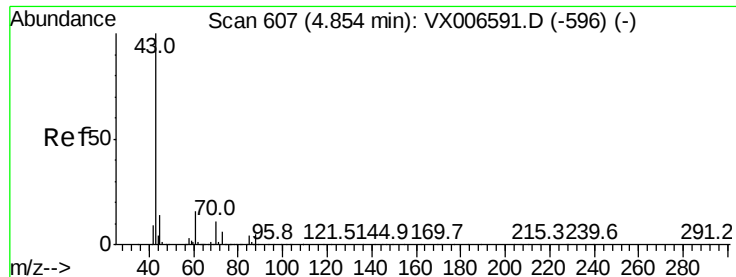
Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Tgt Ion:	75	Resp:	148940
Ion Ratio	Lower	Upper	
75	100		
110	39.8	20.2	60.5
77	31.5	24.8	37.2





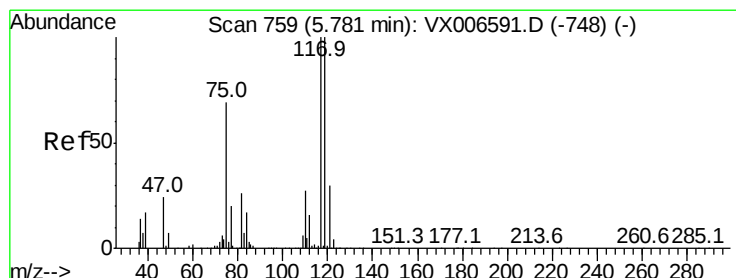
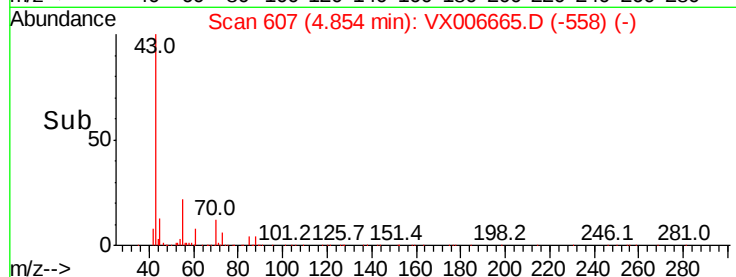
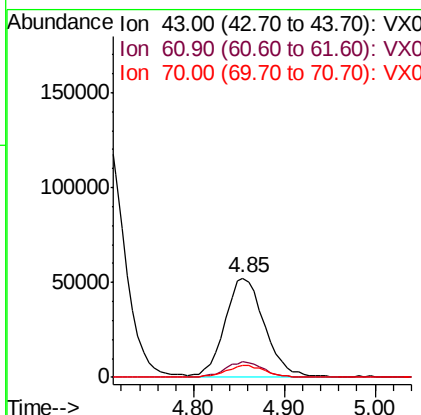
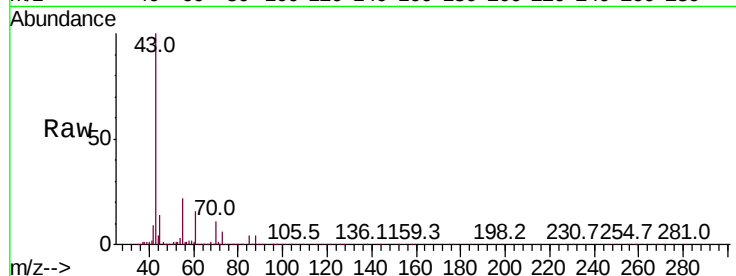
#37
Ethyl Acetate
Concen: 19.852 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.9	17.9
70	11.5	9.7	14.5

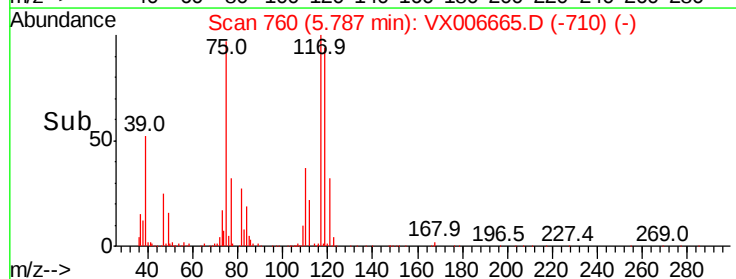
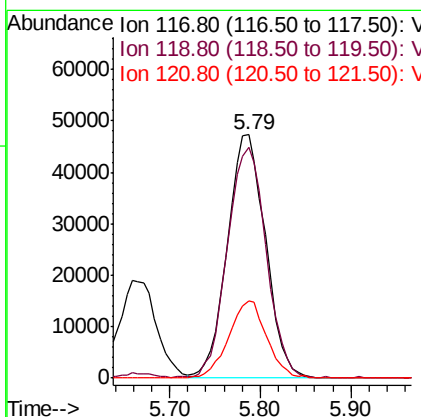
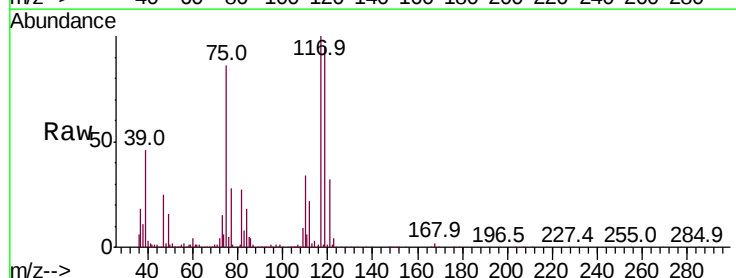
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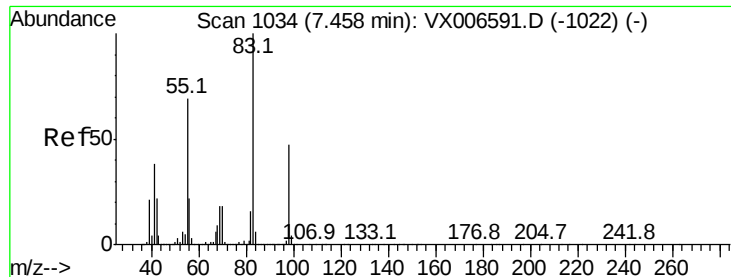
MMDadoda
12/21/2018 10:18:54 AM



#38
Carbon Tetrachloride
Concen: 18.784 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.4	119.2
121	31.9	24.0	36.0





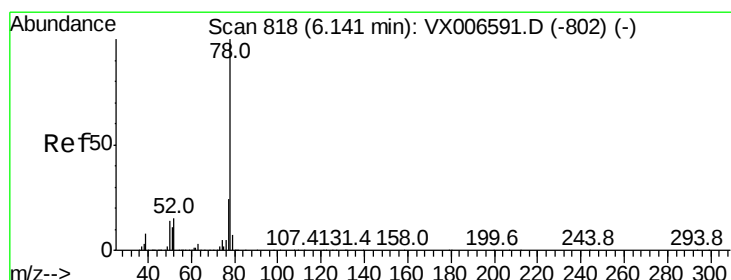
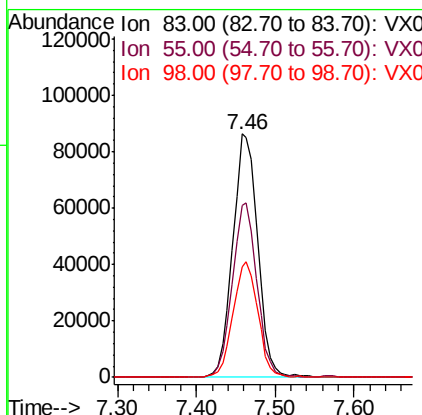
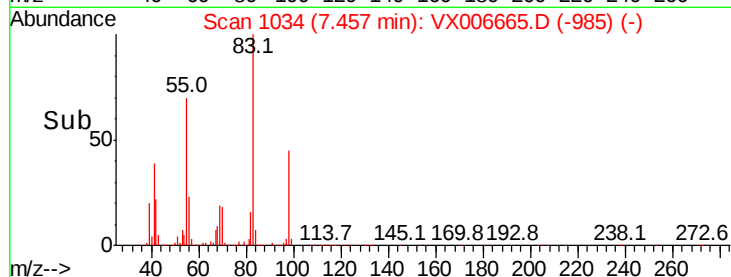
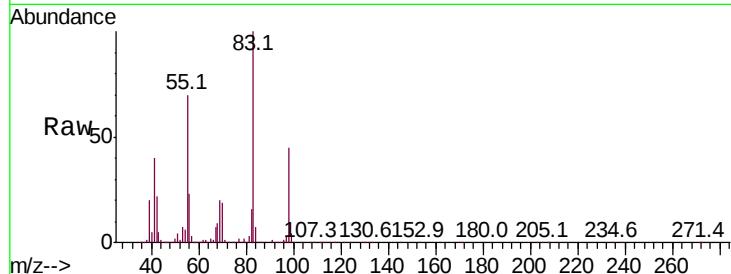
#39
Methvlcvclohexane
Concen: 19.156 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	190661		
55	70.3		54.9	82.3
98	45.4		37.9	56.9

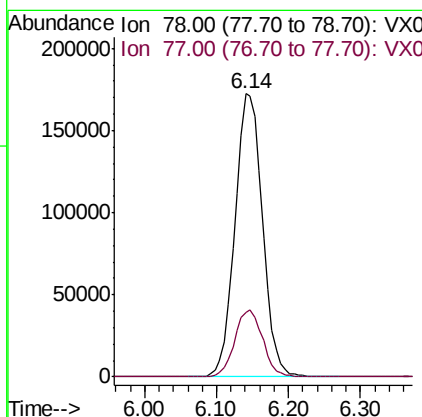
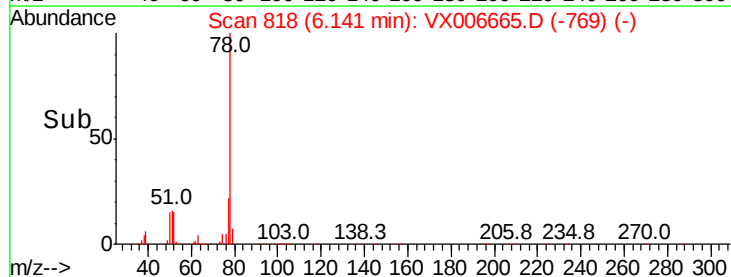
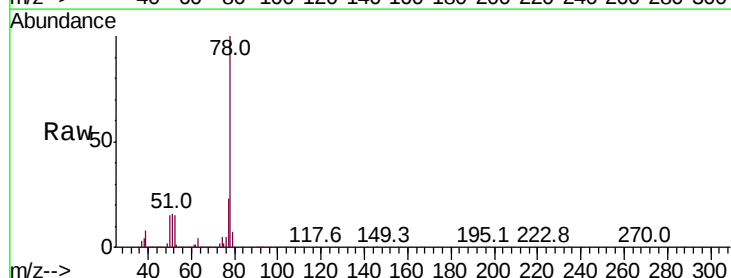
Manual Integrations
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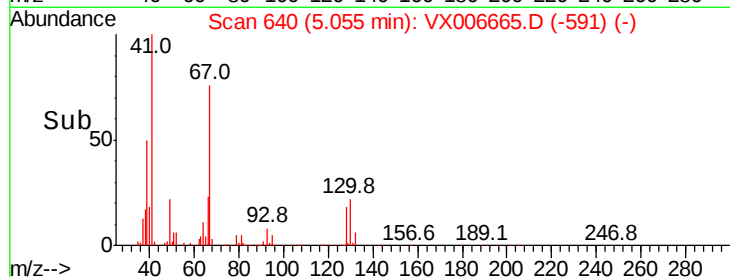
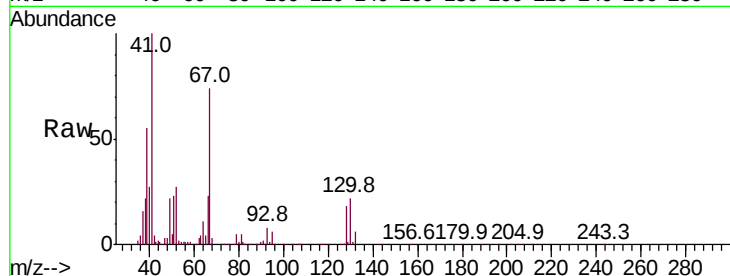
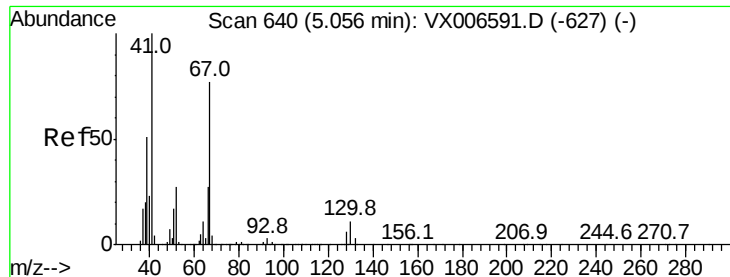
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#40
Benzene
Concen: 19.887 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	457014		
77	22.9		19.2	28.8





#41

Methacrylonitrile

Concen: 20.952 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		87530		
39	54.7	42.8	64.2		
67	78.4	62.1	93.1		
52	32.1	23.4	35.0		

Instrument :

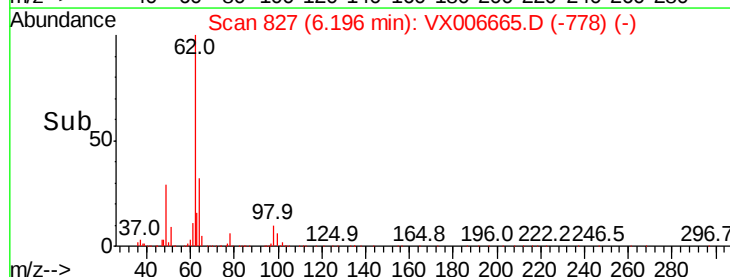
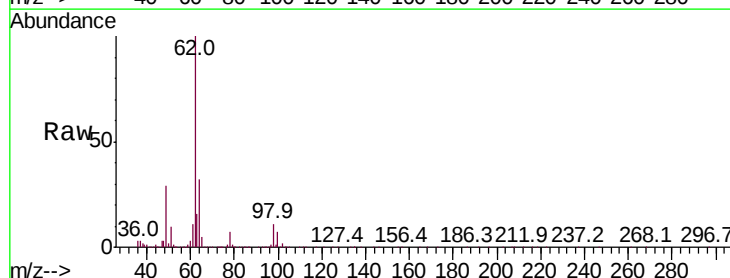
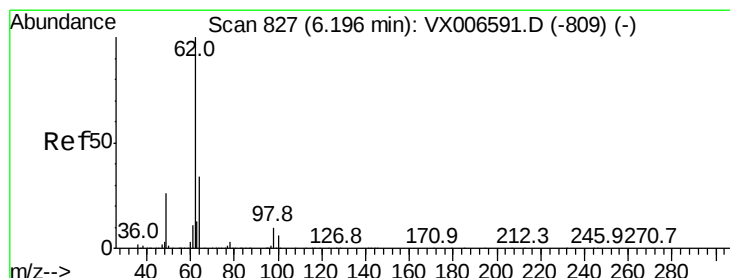
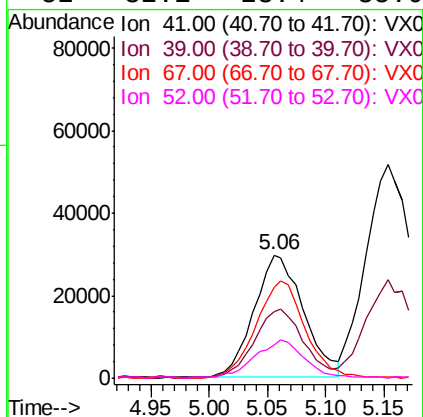
MSVOA_X

ClientSampleId :

VX1220WBS01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.661 ug/l

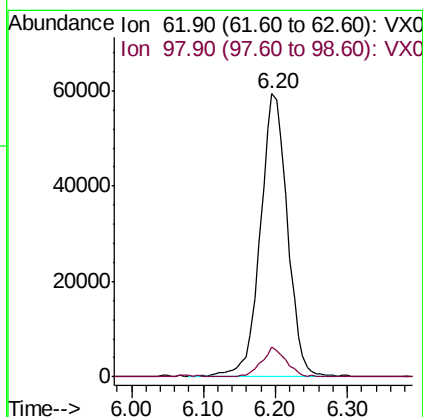
RT: 6.20 min Scan# 827

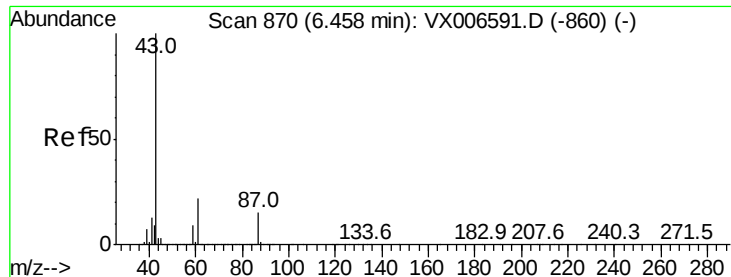
Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		153959		
98	9.7	0.0	20.2		





#43

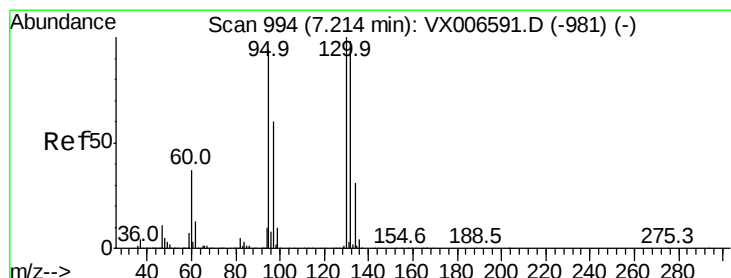
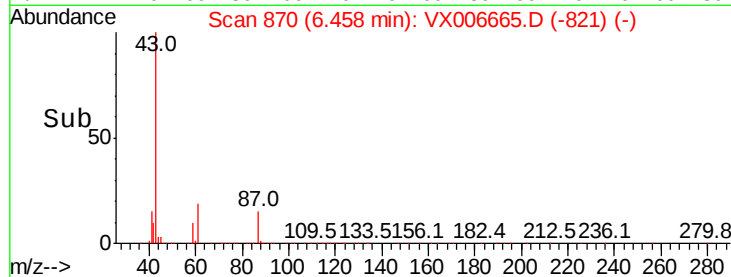
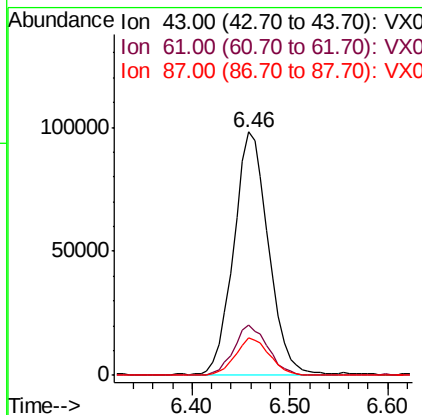
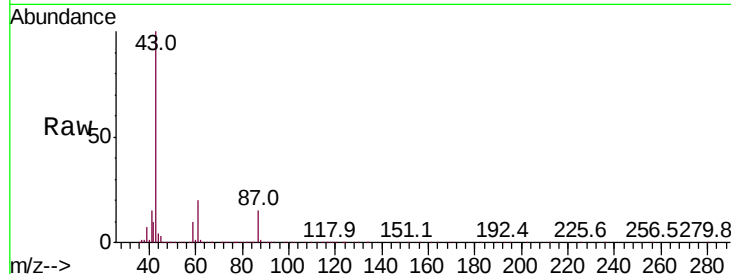
Isopropyl Acetate
 Concen: 20.148 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006665.D
 Acq: 20 Dec 2018 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.8	25.2
87	15.4	12.4	18.6

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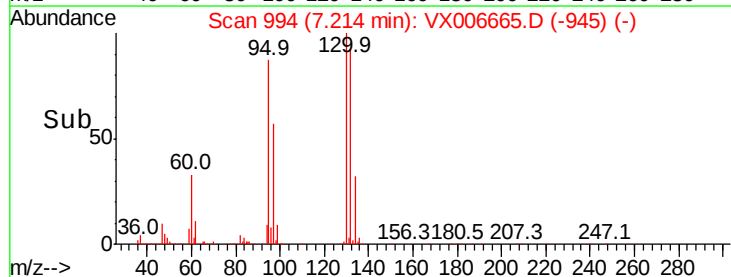
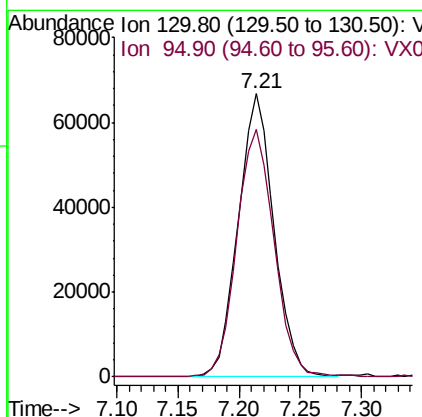
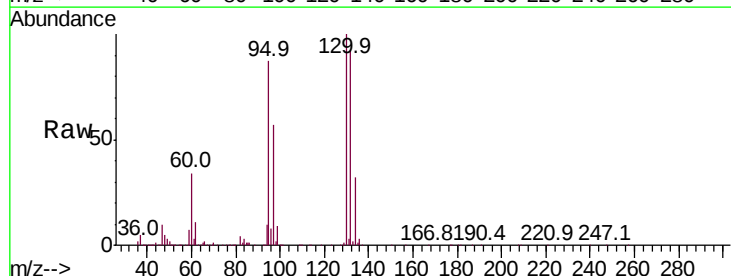
MMDadoda
 12/21/2018 10:18:54 AM

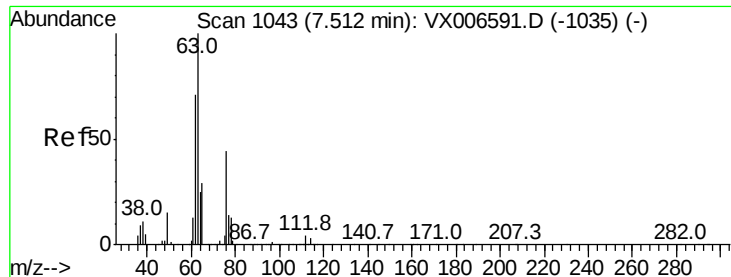


#44

Trichloroethene
 Concen: 19.420 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006665.D
 Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.214 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 63 Resp: 113044

Ion Ratio Lower Upper

63 100

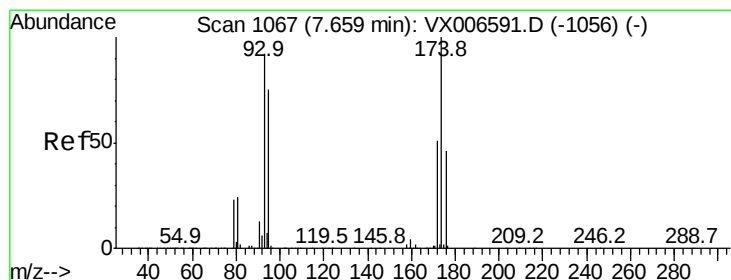
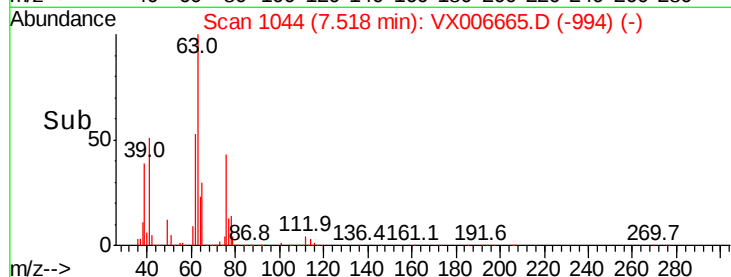
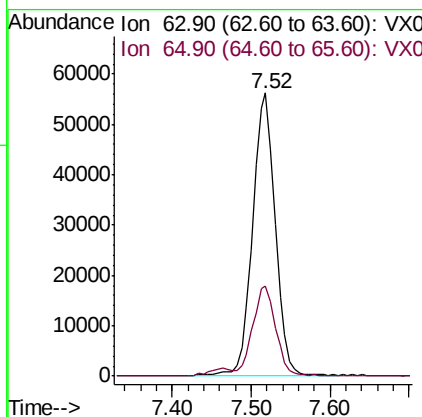
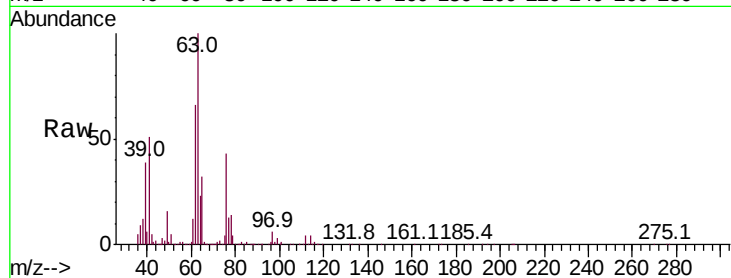
65 31.4 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.655 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

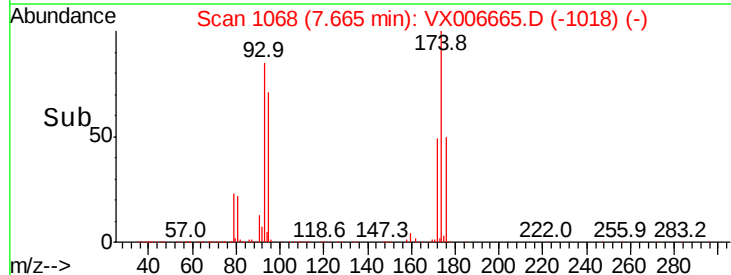
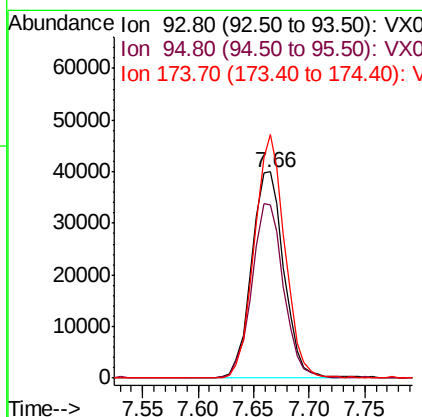
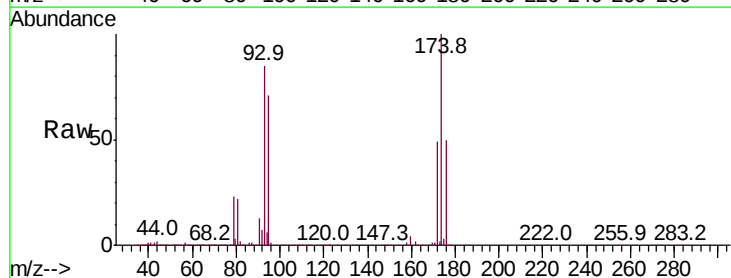
Tgt Ion: 93 Resp: 80849

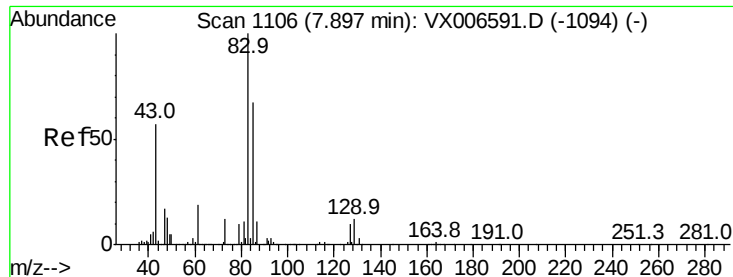
Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

174 111.4 91.0 136.4





#47

Bromodichloromethane

Concen: 18.728 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

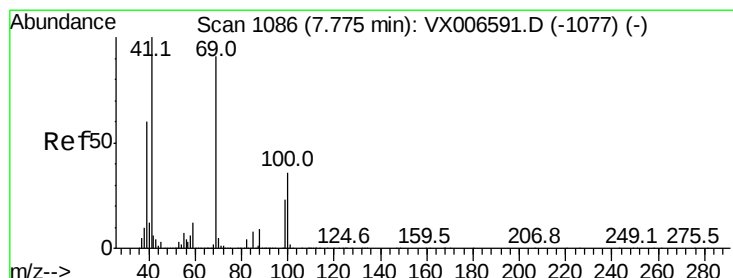
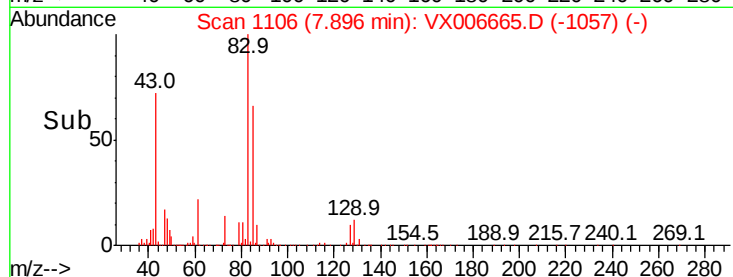
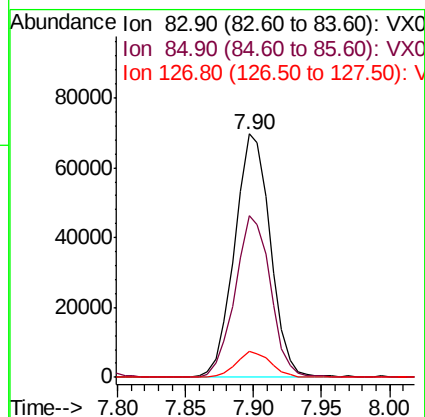
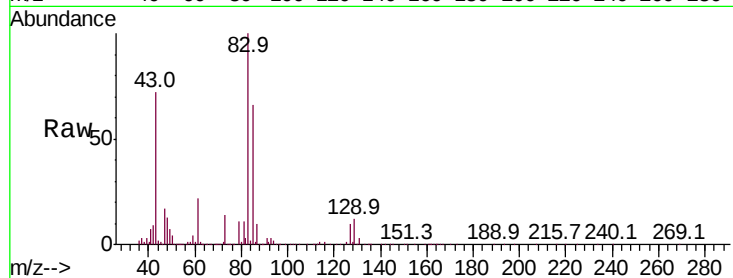
ClientSampleId :

VX1220WBS01

Tot Ion:	83	Resp:	127900
Ion Ratio	Lower	Upper	
83	100		
85	66.1	53.2	79.8
127	10.5	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.826 ug/l

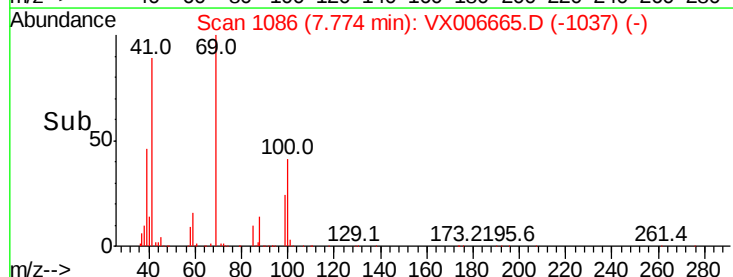
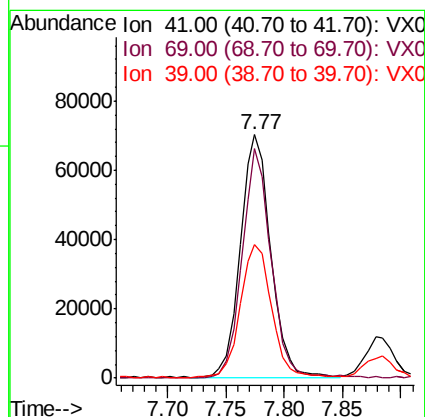
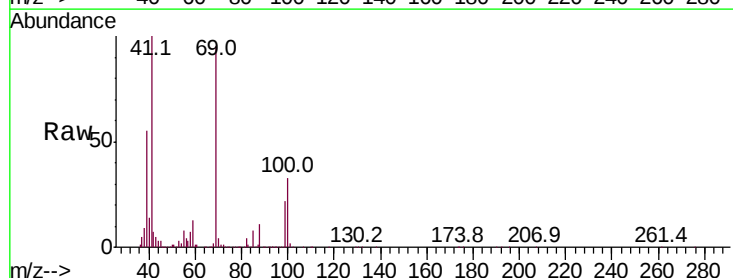
RT: 7.77 min Scan# 1086

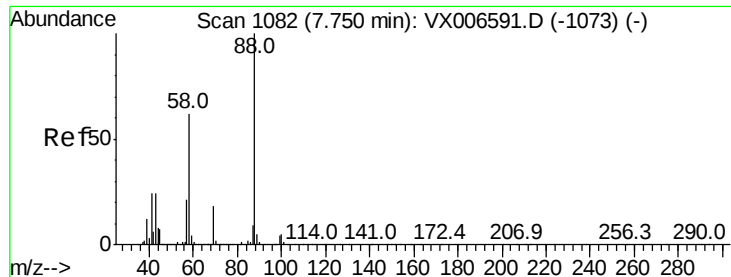
Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Tgt Ion:	41	Resp:	126798
Ion Ratio	Lower	Upper	
41	100		
69	91.2	72.4	108.6
39	56.8	45.8	68.8





#49

1,4-Dioxane

Concen: 416.995 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

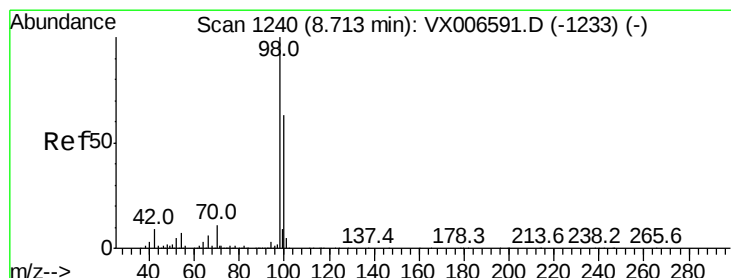
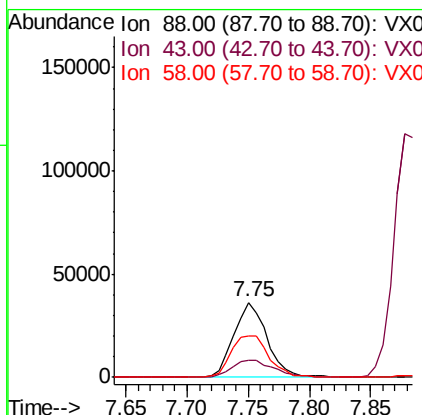
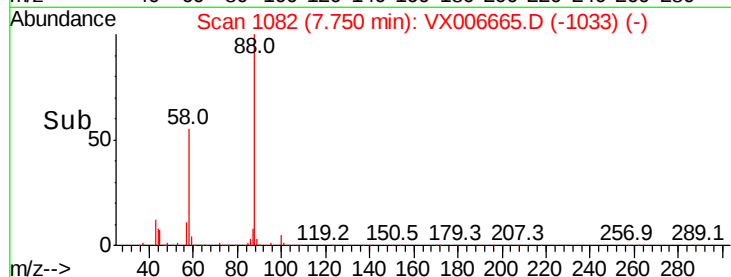
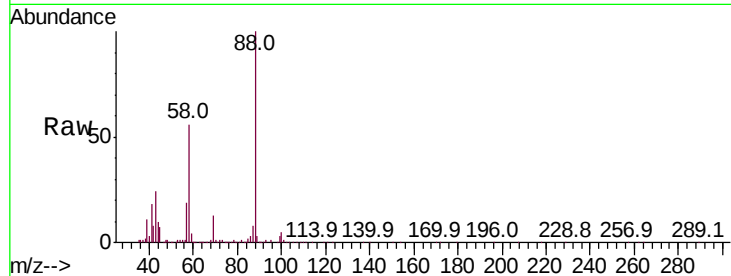
ClientSampleId :

VX1220WBS01

Tot Ion:	88	Resp:	68275
Ion	Ratio	Lower	Upper
88	100		
43	29.8	22.2	33.4
58	62.8	51.0	76.4

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#50

Toluene-d8

Concen: 49.619 ug/l

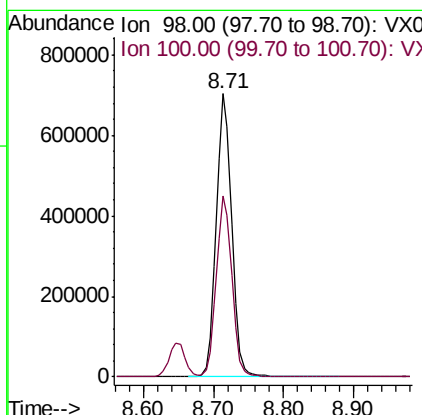
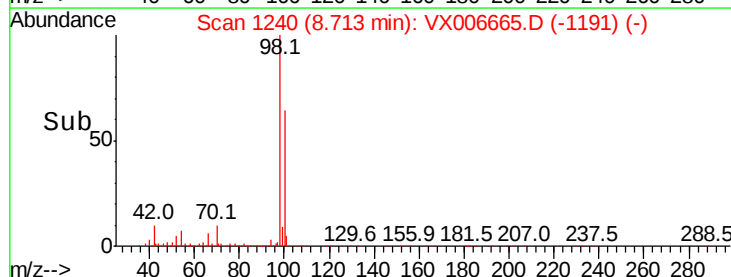
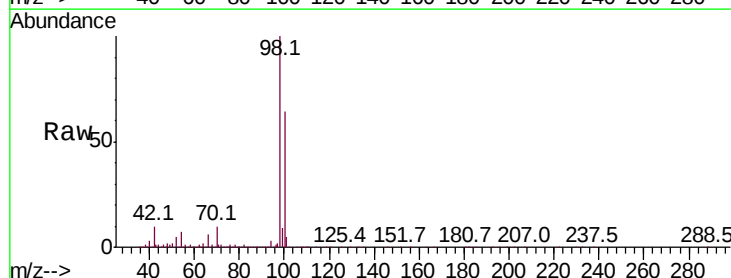
RT: 8.71 min Scan# 1240

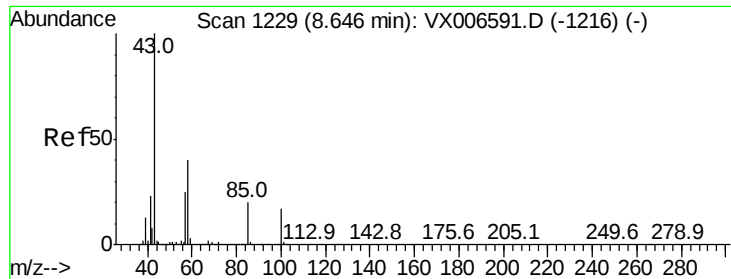
Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Tgt Ion:	98	Resp:	1079845
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 106.242 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 43 Resp: 809345

Ion Ratio Lower Upper

43 100

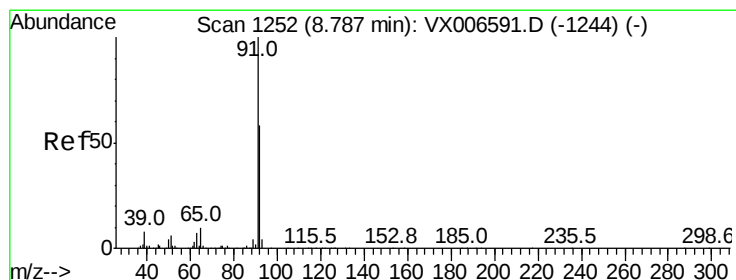
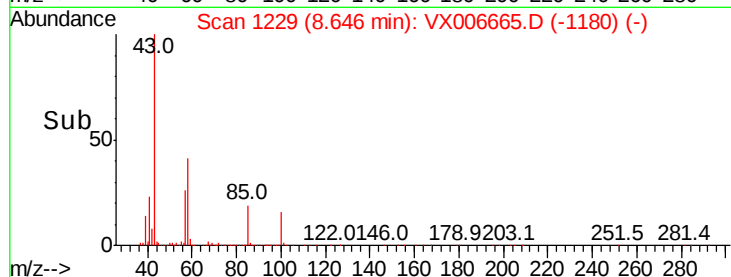
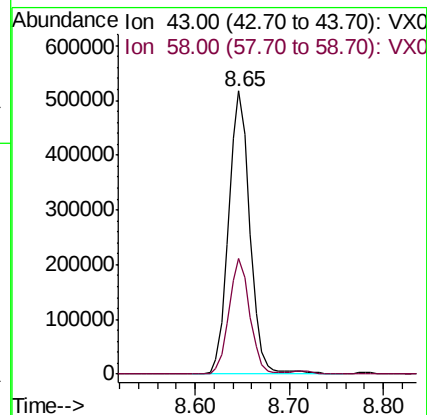
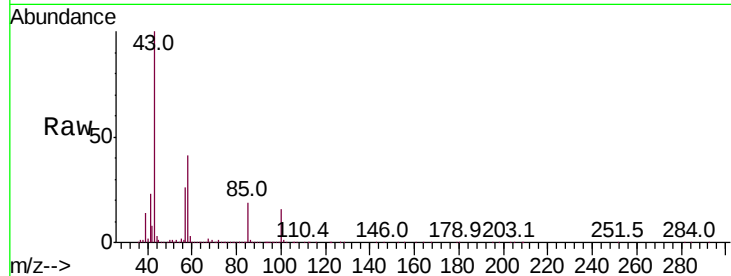
58 39.9 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 19.951 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006665.D

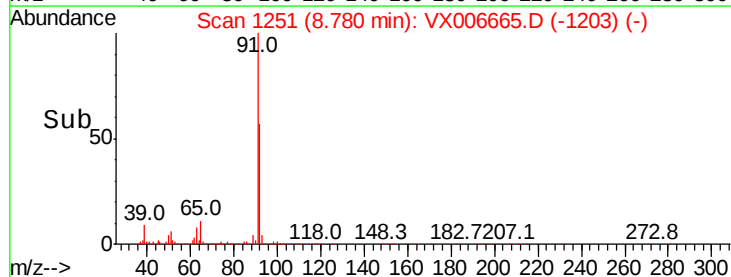
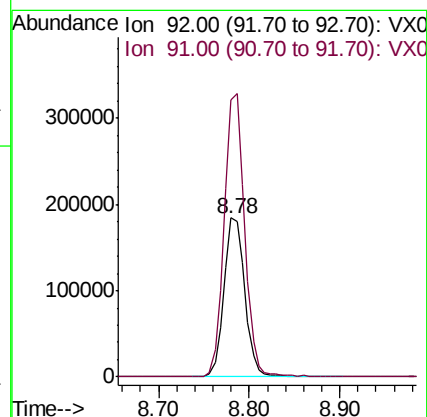
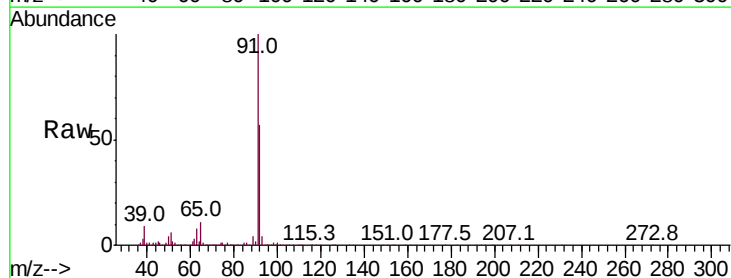
Acq: 20 Dec 2018 10:27

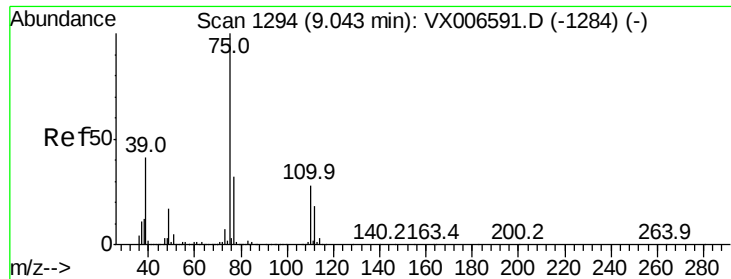
Tgt Ion: 92 Resp: 296198

Ion Ratio Lower Upper

92 100

91 175.4 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 18.582 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 75 Resp: 136098

Ion Ratio Lower Upper

75 100

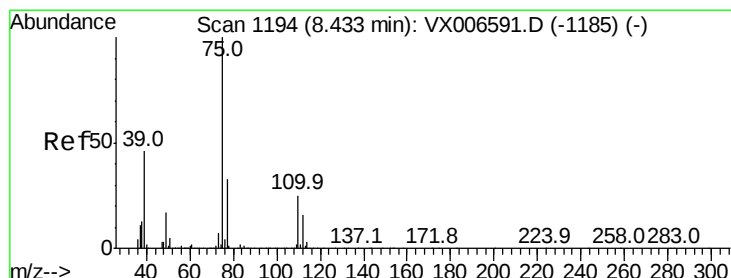
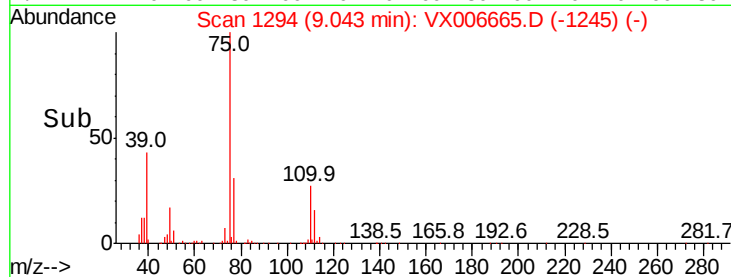
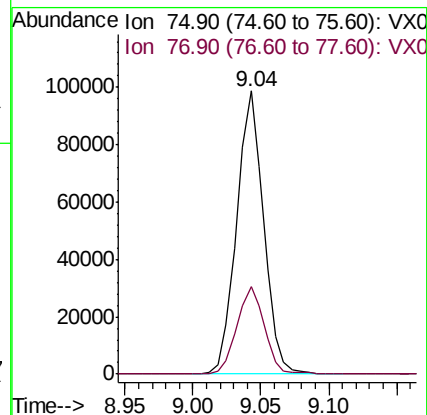
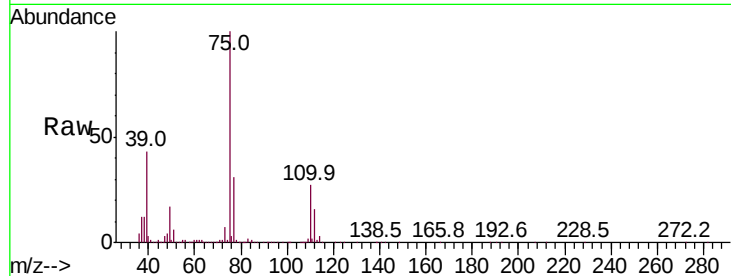
77 30.7 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.749 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

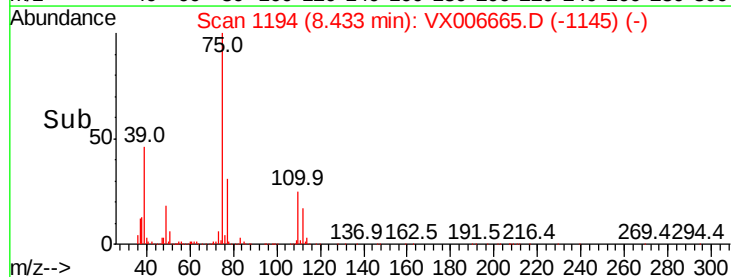
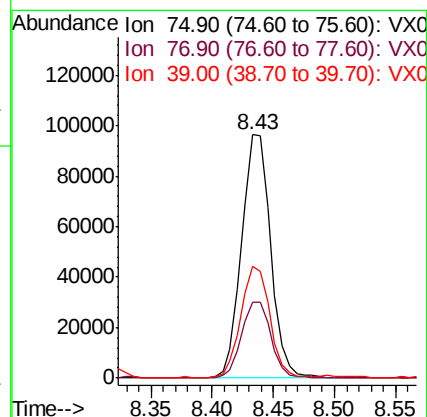
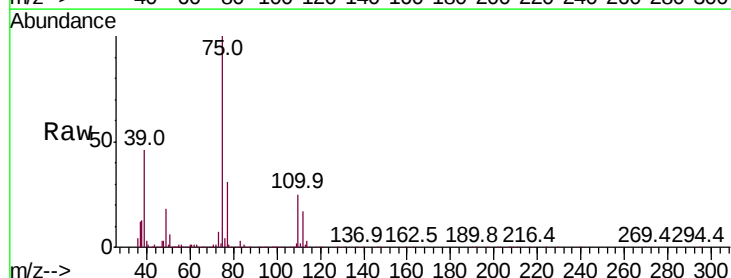
Tgt Ion: 75 Resp: 158714

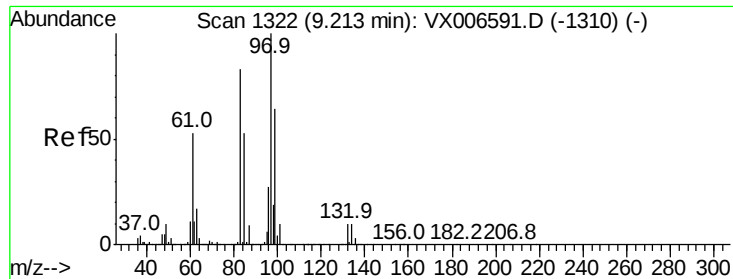
Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

39 45.6 36.7 55.1





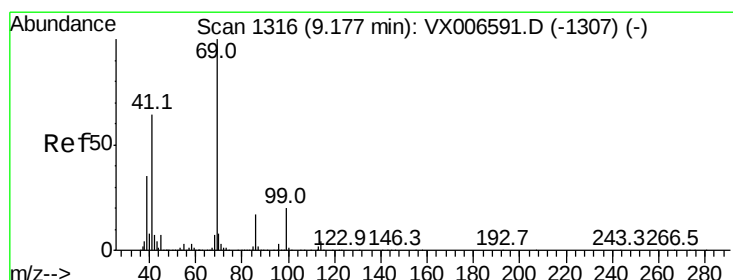
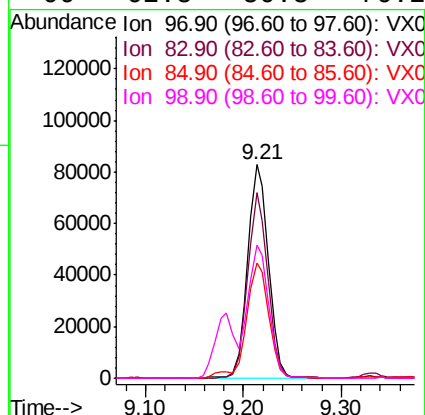
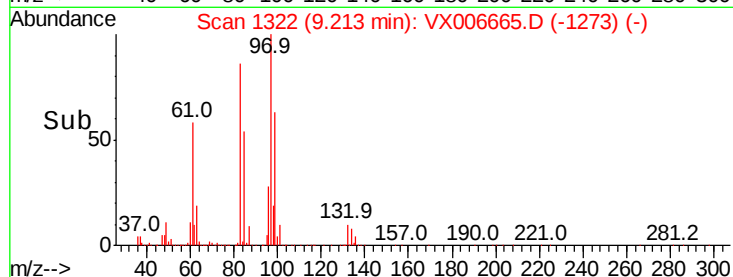
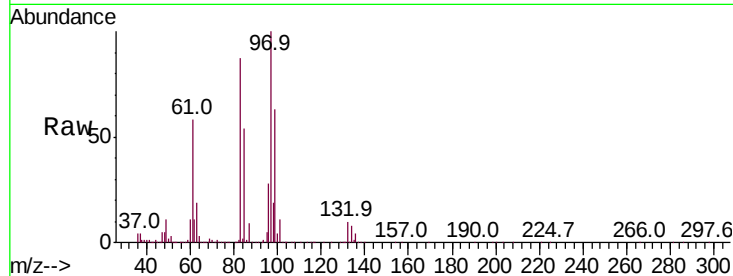
#55
1,1,2-Trichloroethane
Concen: 20.279 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.6	66.6	99.8
85	54.0	42.7	64.1
99	62.5	50.8	76.2

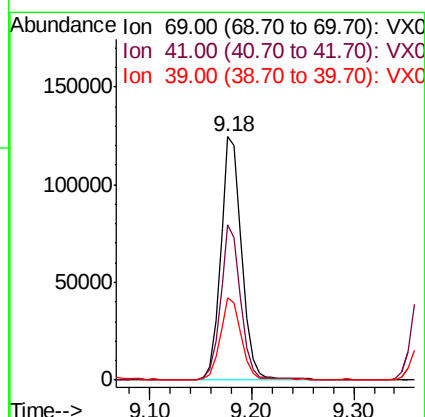
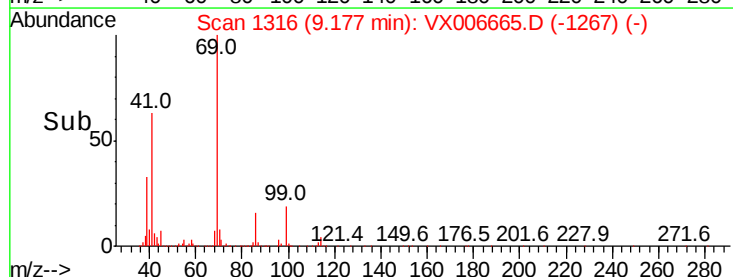
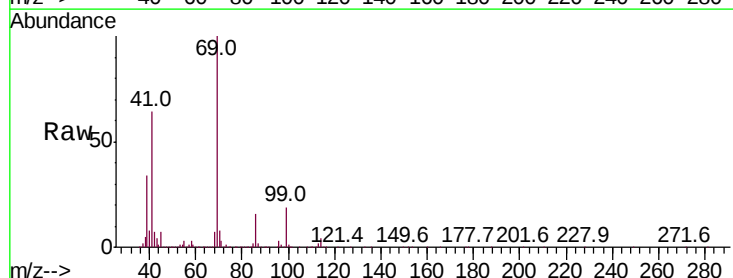
Manual Integrations
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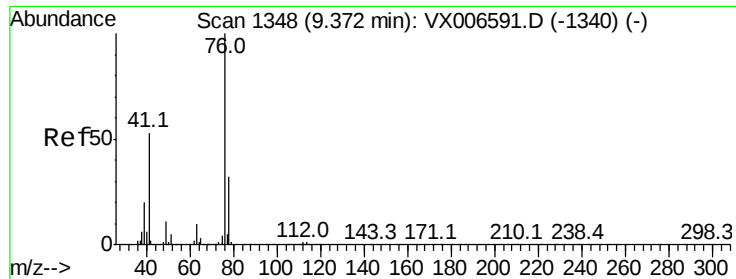
MMDadoda
12/21/2018 10:18:54 AM



#56
Ethyl methacrylate
Concen: 20.724 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.5	48.7	73.1
39	34.9	27.0	40.6





#57

1,3-Dichloropropane

Concen: 19.944 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 76 Resp: 194993

Ion Ratio Lower Upper

76 100

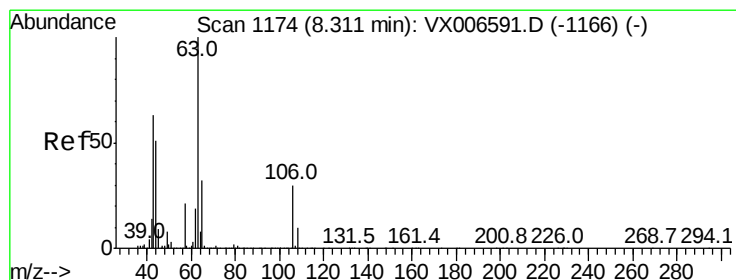
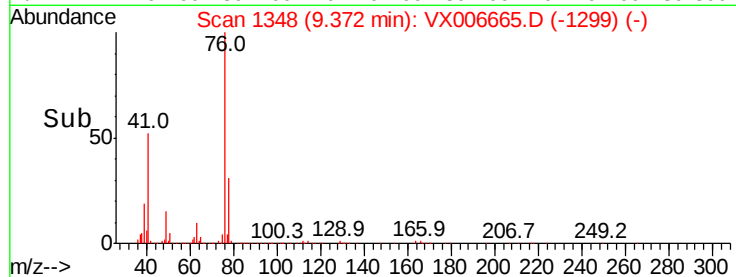
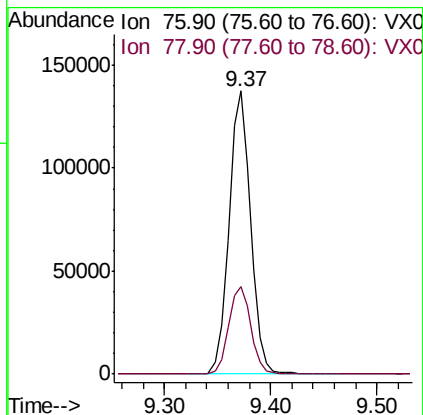
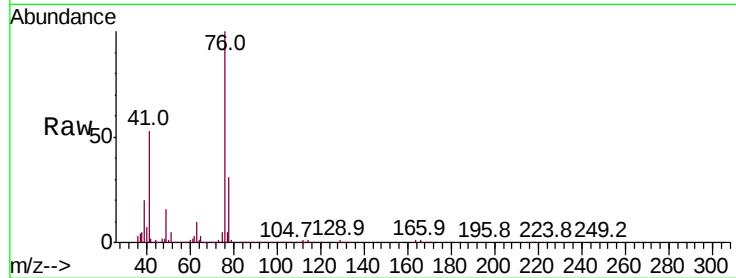
78 31.7 26.0 39.0

Manual Integrations

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12/21/2018 10:18:54 AM



#58

2-Chloroethyl Vinyl ether

Concen: 100.928 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006665.D

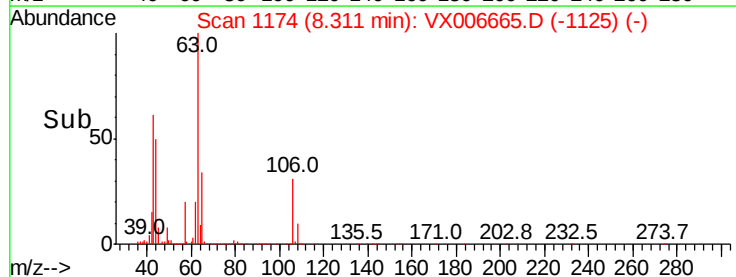
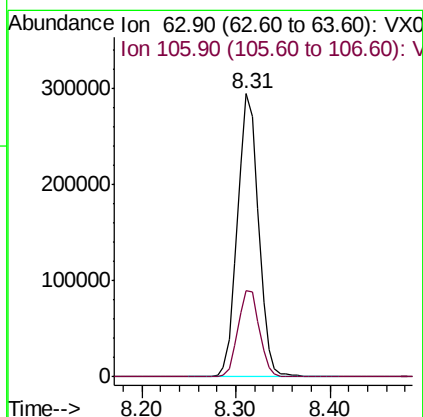
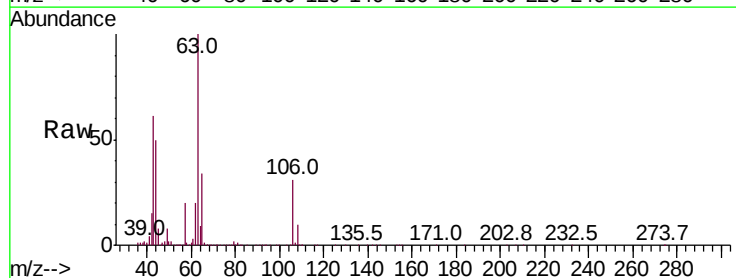
Acq: 20 Dec 2018 10:27

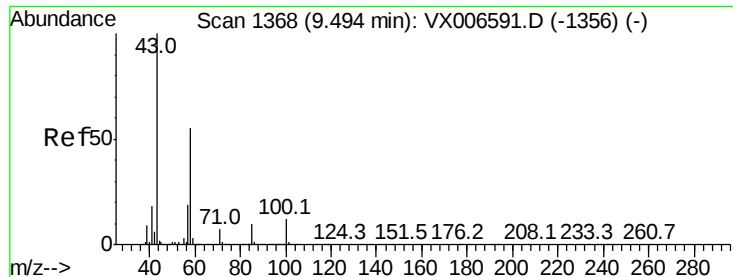
Tgt Ion: 63 Resp: 460800

Ion Ratio Lower Upper

63 100

106 31.0 24.6 36.8





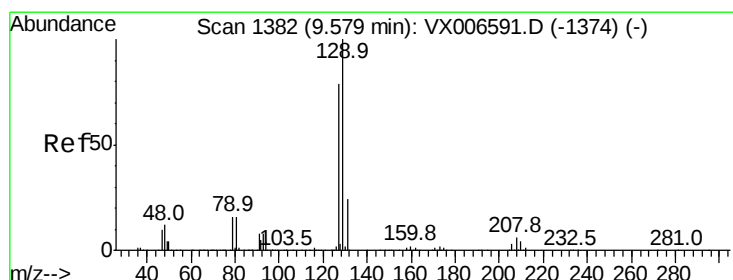
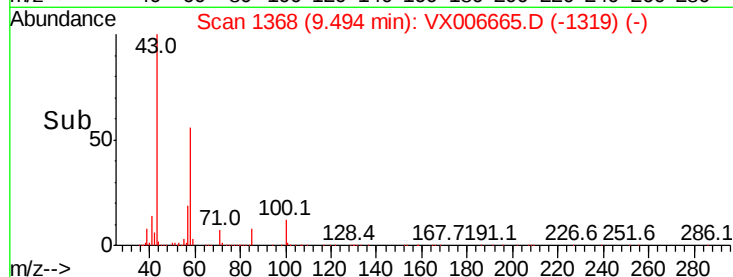
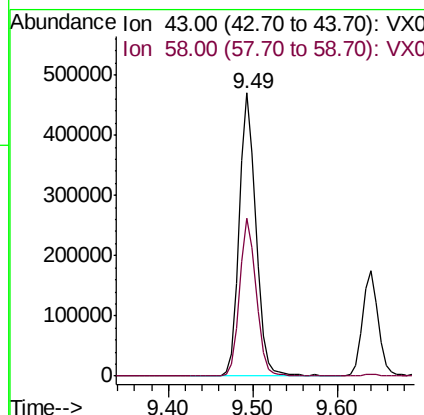
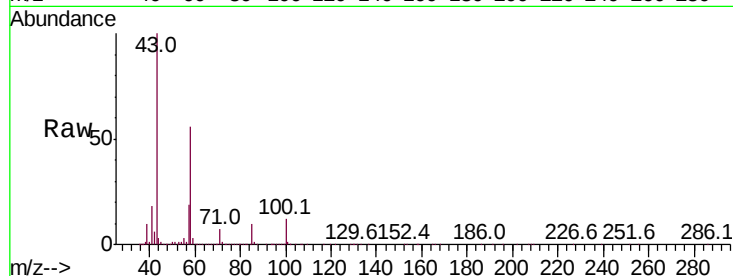
#59
2-Hexanone
Concen: 107.242 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion: 43 Resp: 625075
Ion Ratio Lower Upper
43 100
58 55.2 27.7 83.1

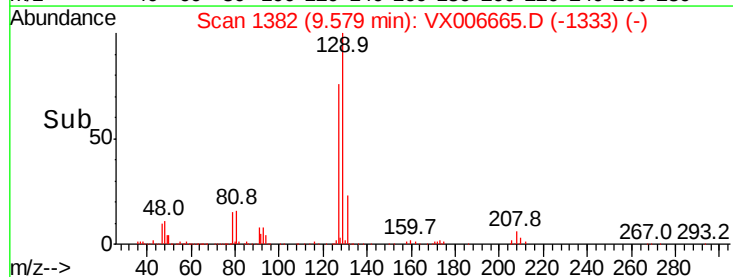
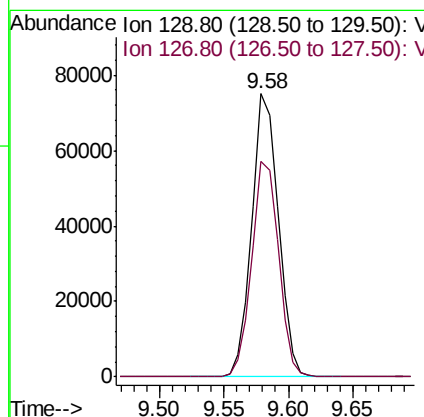
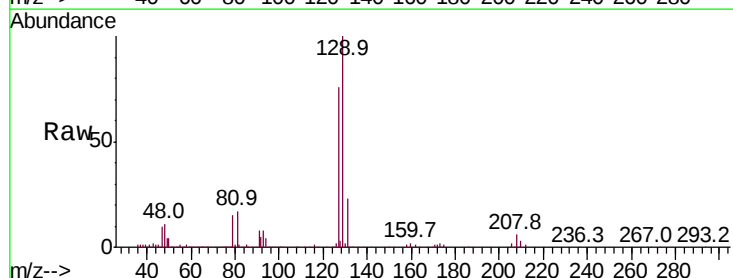
Manual Integrations
APPROVED

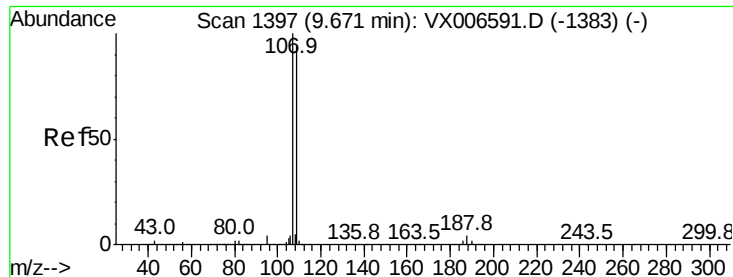
MMDadoda
12/21/2018 10:18:54 AM



#60
Dibromochloromethane
Concen: 18.366 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion: 129 Resp: 106930
Ion Ratio Lower Upper
129 100
127 77.0 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.564 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 107 Resp: 132843

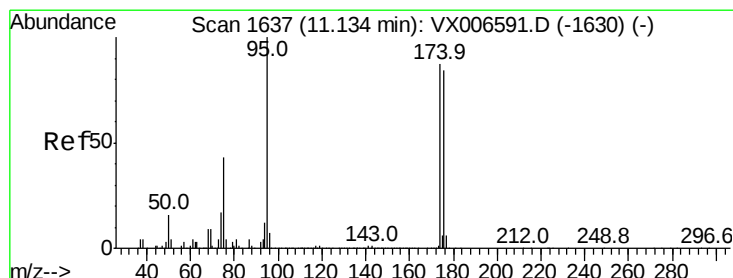
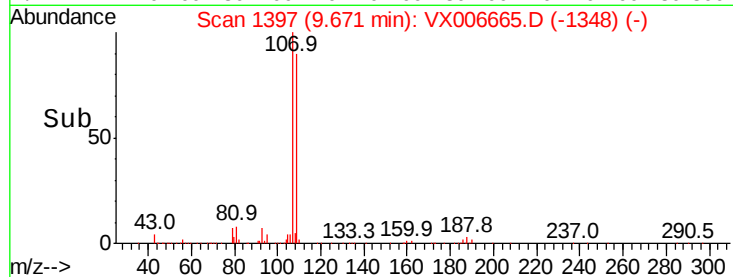
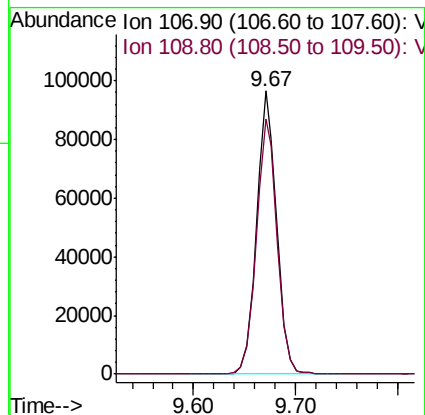
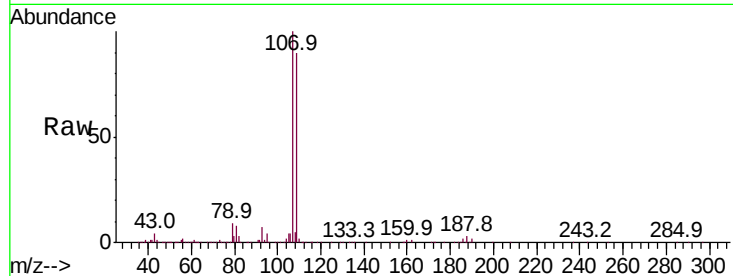
Ion Ratio Lower Upper

107 100

109 93.2 75.8 113.6

Manual Integrations
APPROVED

MMDadoda
12/21/2018 10:18:54 AM



#62

4-Bromofluorobenzene

Concen: 49.640 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

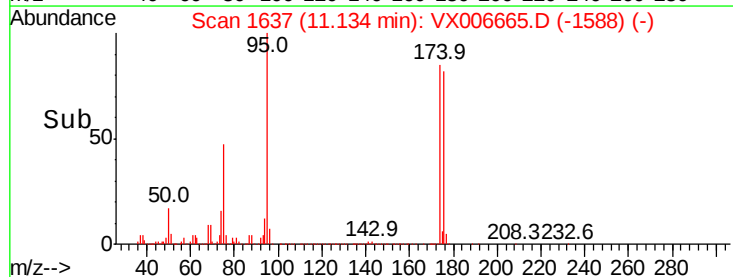
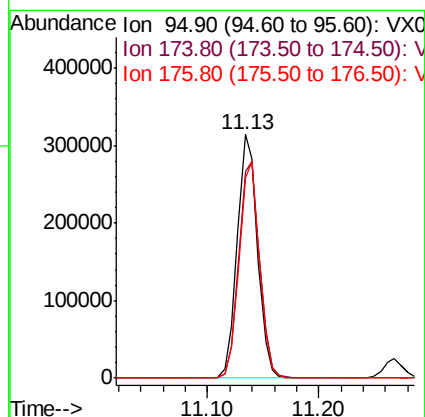
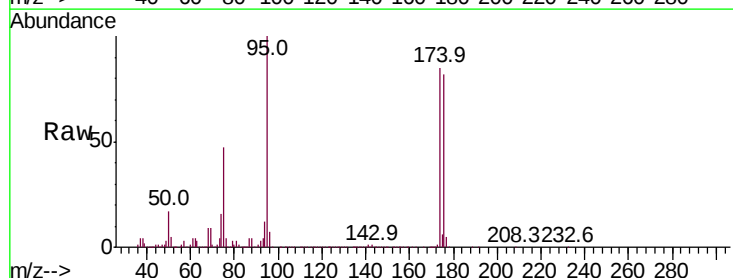
Tgt Ion: 95 Resp: 395648

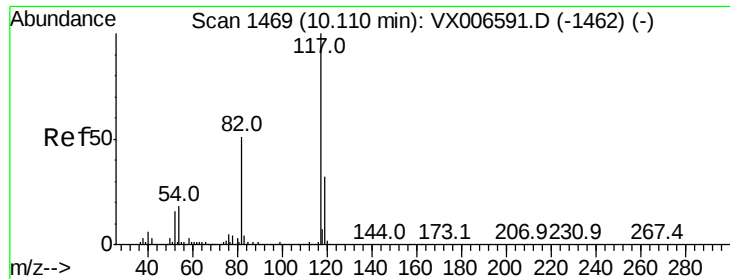
Ion Ratio Lower Upper

95 100

174 91.1 0.0 182.2

176 89.2 0.0 178.8





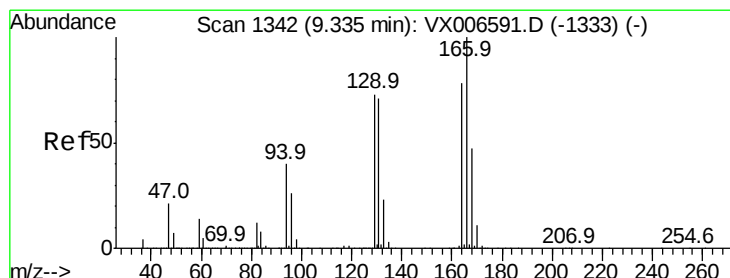
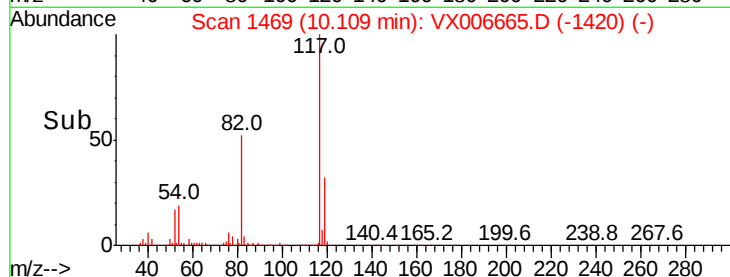
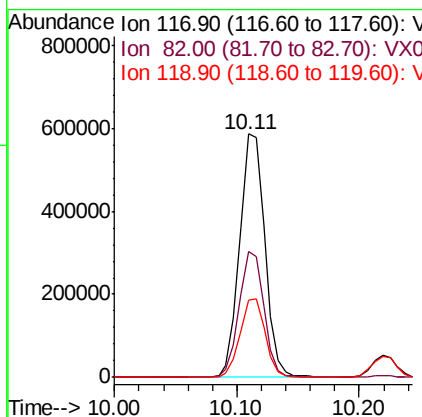
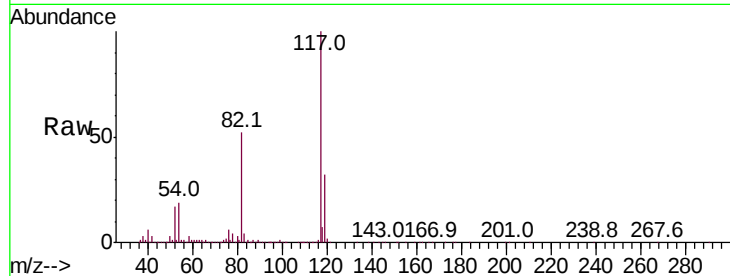
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.0	61.6
119	31.9	25.4	38.0

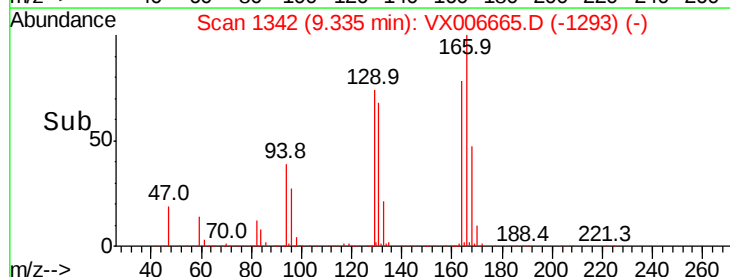
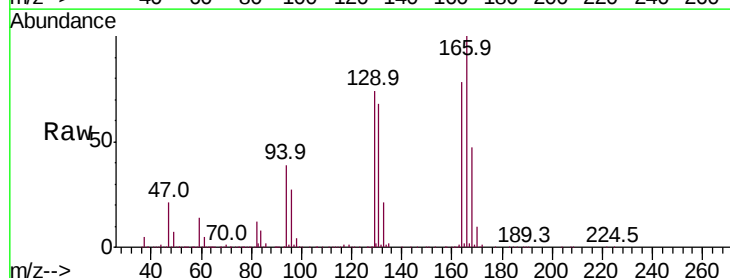
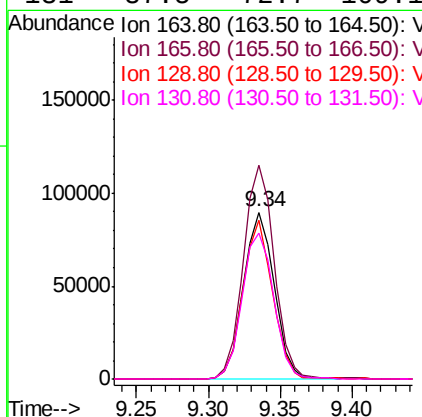
Manual Integrations
APPROVED

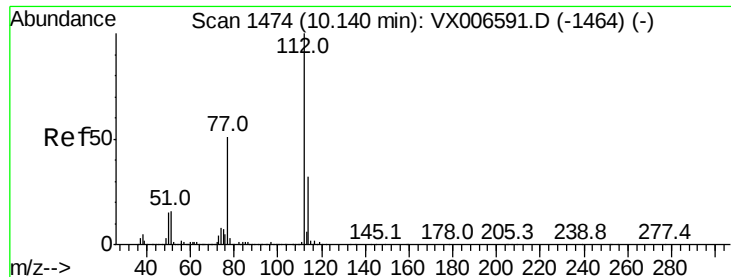
MMDadoda
12/21/2018 10:18:54 AM



#64
Tetrachloroethene
Concen: 19.991 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.5	153.7
129	95.0	75.1	112.7
131	87.5	72.7	109.1





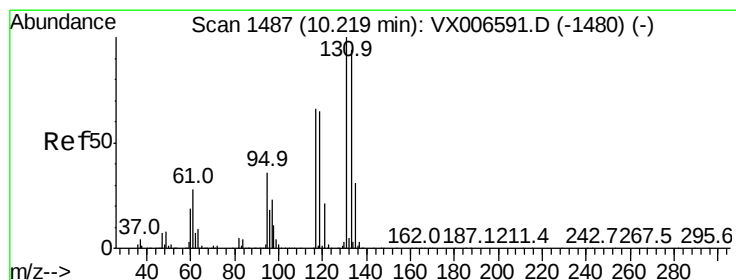
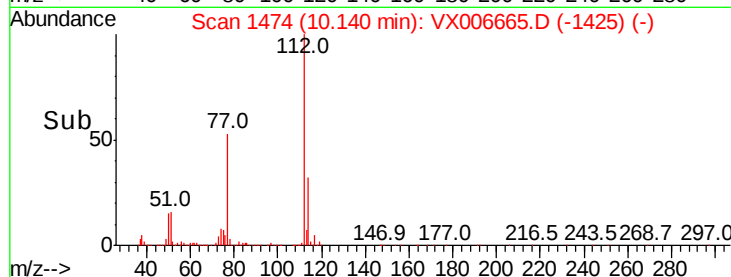
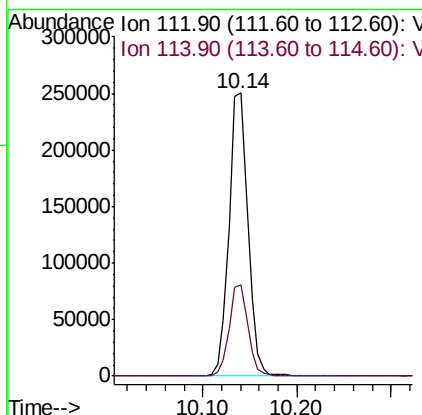
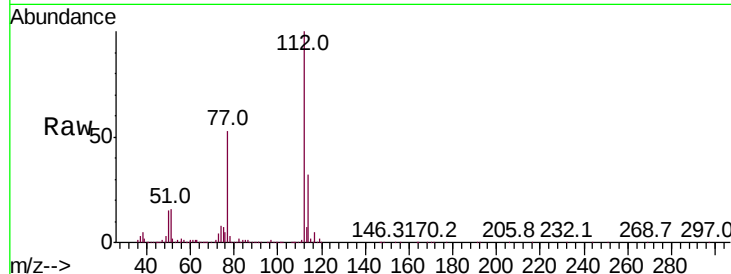
#65
Chlorobenzene
Concen: 19.870 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5

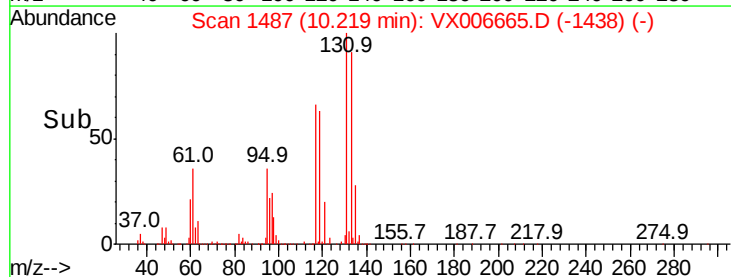
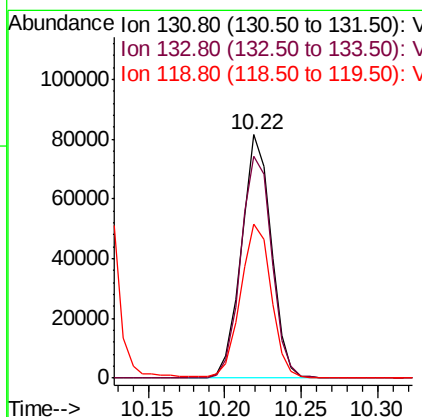
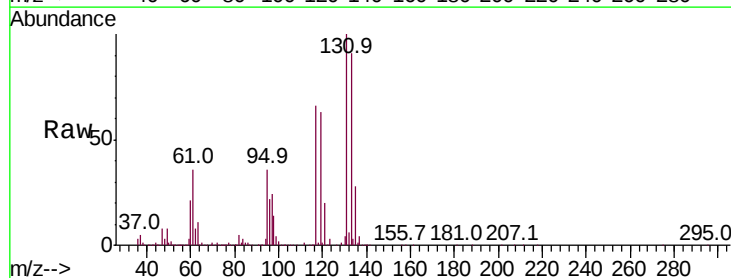
Manual Integrations
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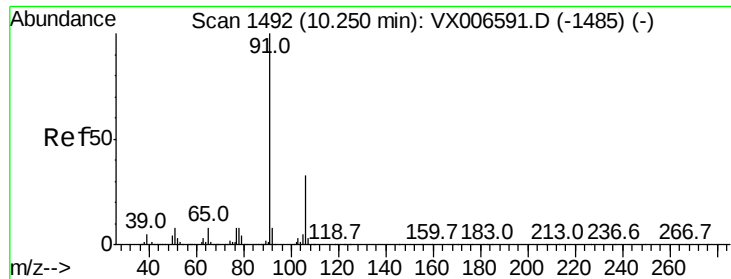
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.868 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.0	144.2
119	66.0	32.6	97.8





#67

Ethyl Benzene

Concen: 19.632 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 91 Resp: 568625

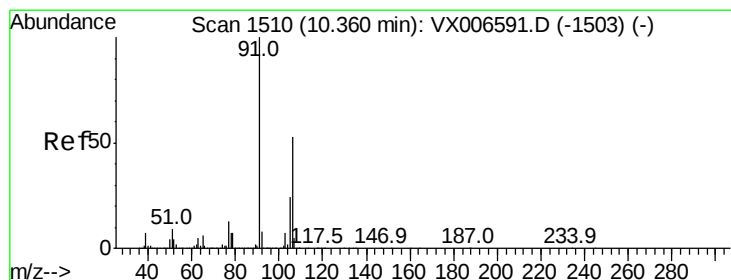
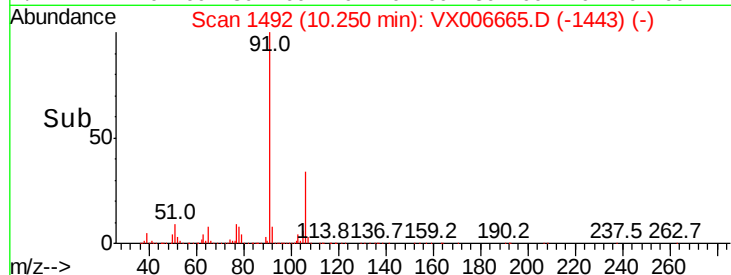
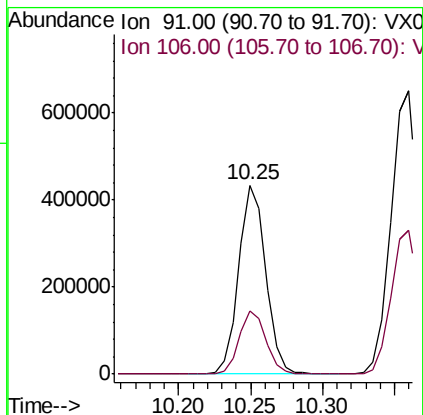
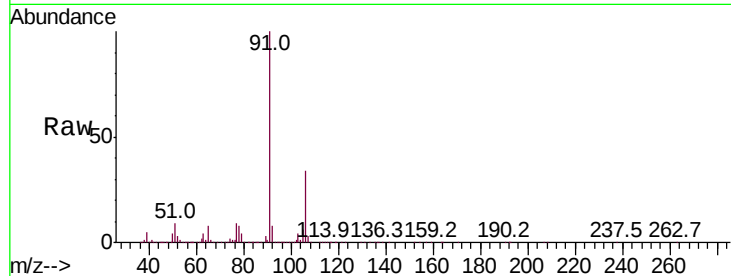
Ion Ratio Lower Upper

91 100

106 33.5 26.4 39.6

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 40.103 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006665.D

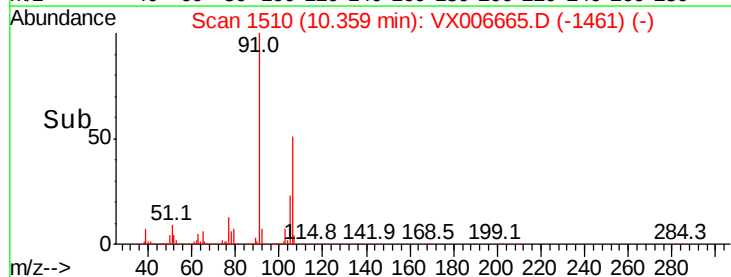
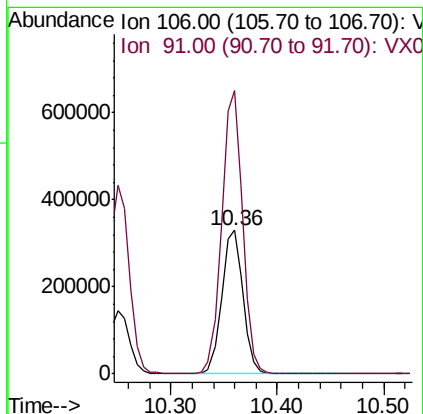
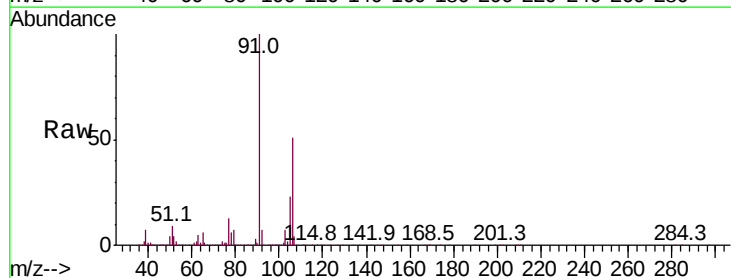
Acq: 20 Dec 2018 10:27

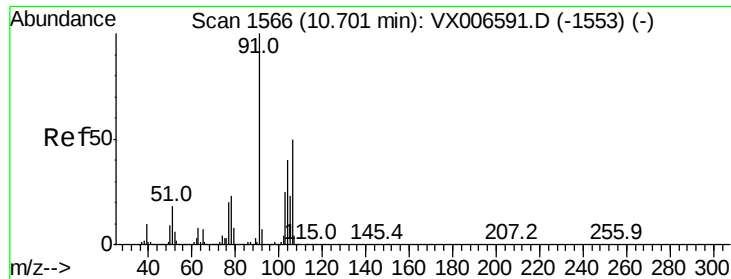
Tgt Ion: 106 Resp: 458353

Ion Ratio Lower Upper

106 100

91 194.3 155.8 233.6





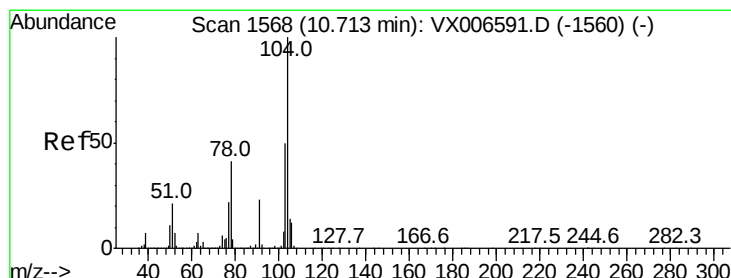
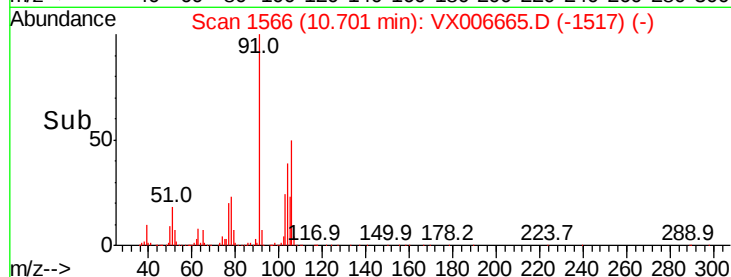
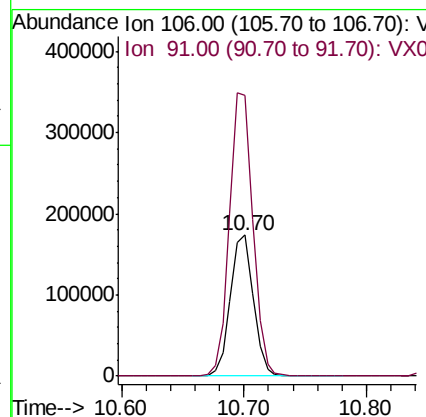
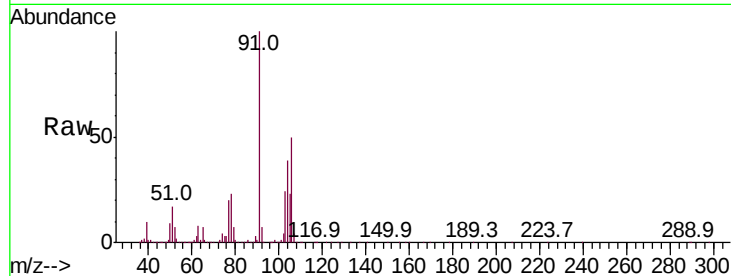
#69
o-Xylene
Concen: 20.071 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.6	101.3	303.7

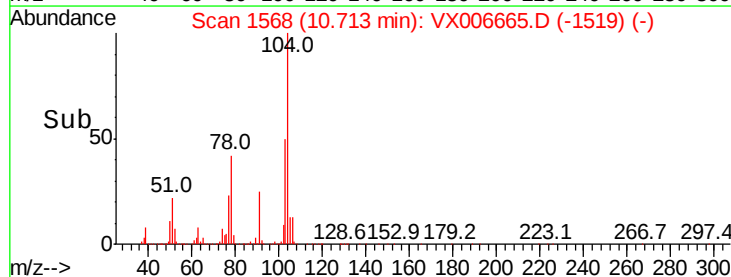
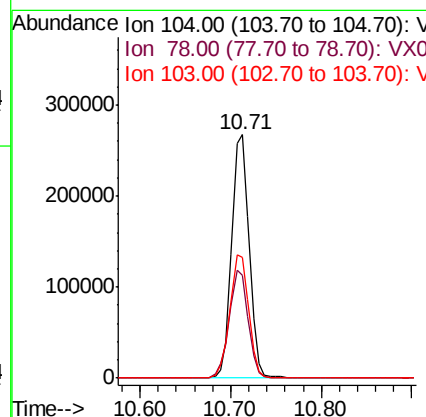
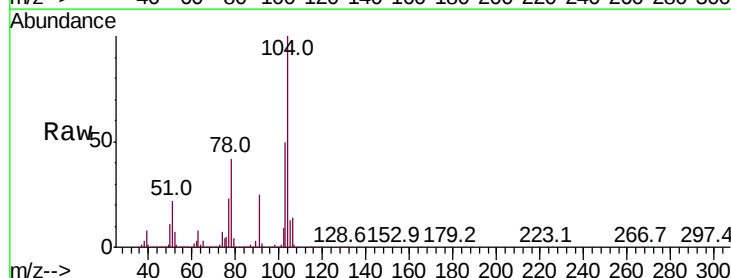
Manual Integrations
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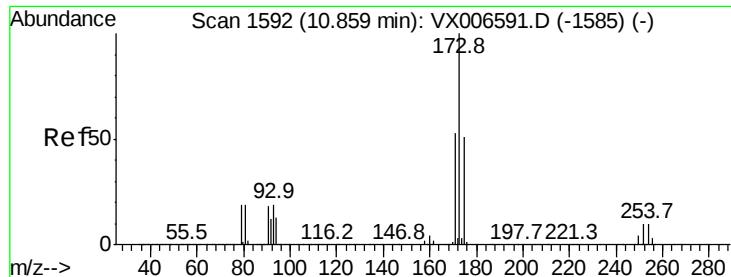
MMDadoda
12/21/2018 10:18:54 AM



#70
Styrene
Concen: 20.182 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	37.7	56.5
103	54.7	43.8	65.8





#71

Bromoform

Concen: 18.263 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

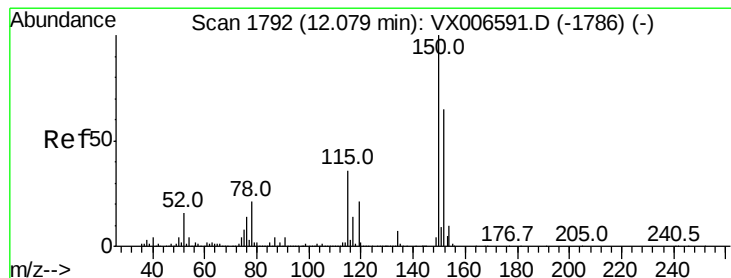
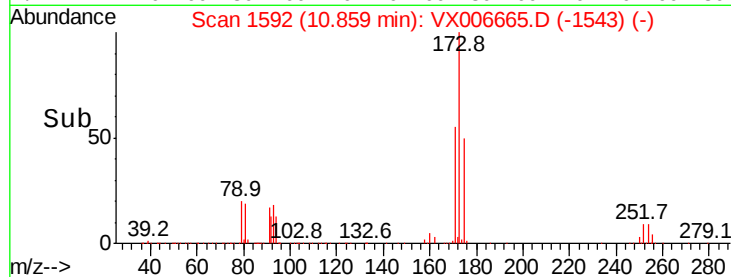
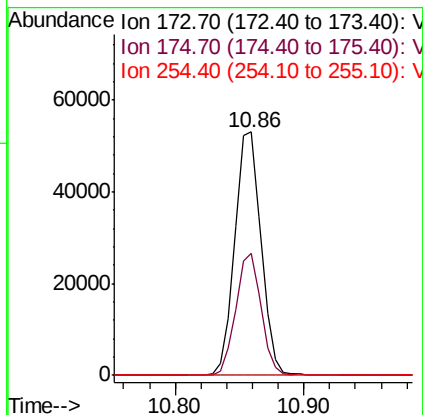
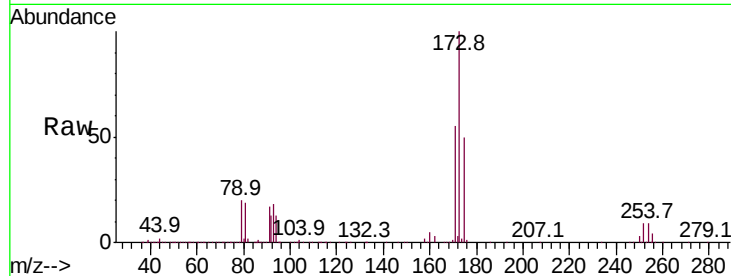
ClientSampleId :

VX1220WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.7	74.1
254	0.3	0.2	0.2#

Manual Integrations
APPROVED

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12/21/2018 10:18:54 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

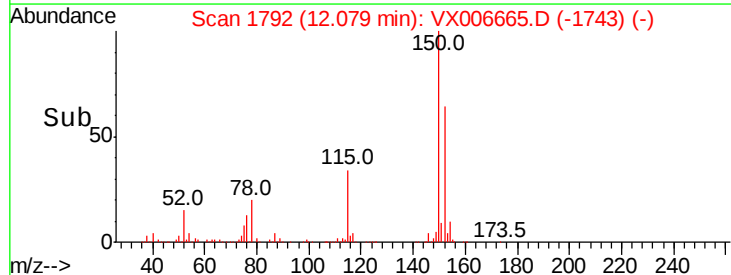
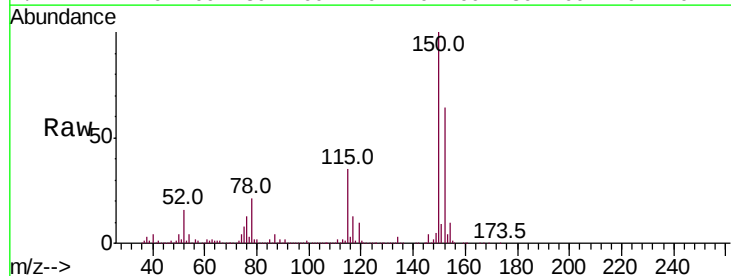
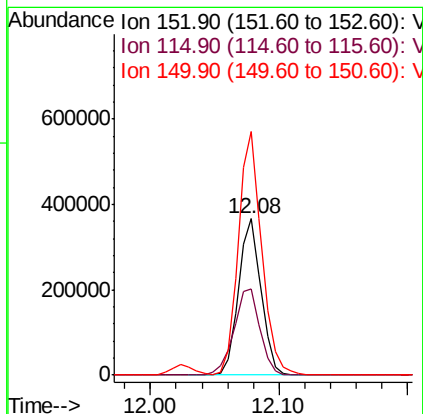
RT: 12.08 min Scan# 1792

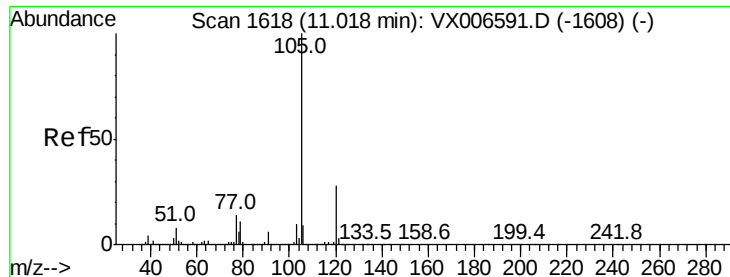
Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	39.1	117.2
150	162.0	0.0	344.8





#73

Isopropylbenzene

Concen: 19.671 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion:105 Resp: 595567

Ion Ratio Lower Upper

105 100

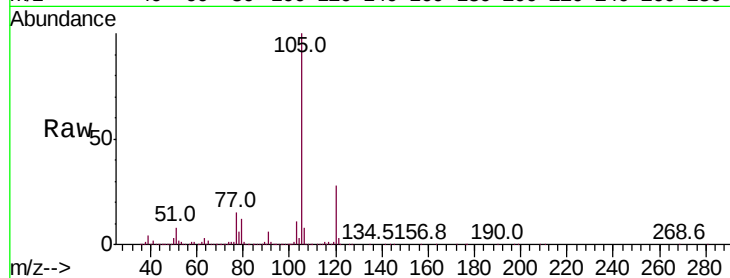
120 27.9 14.1 42.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

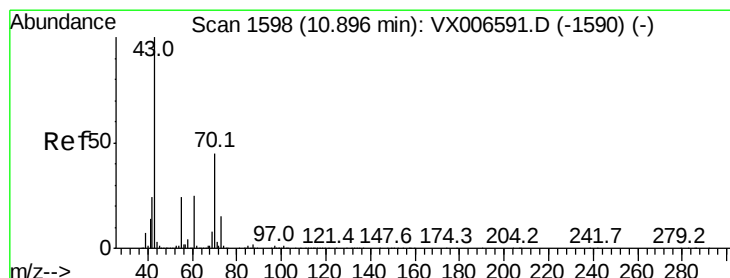
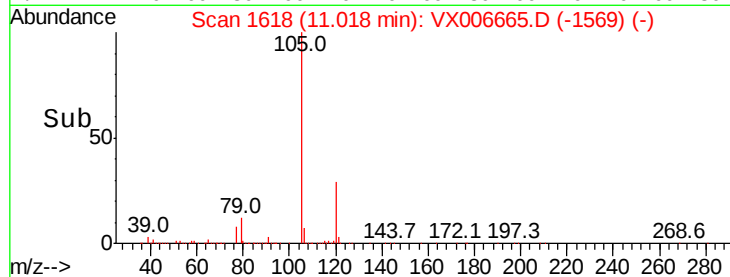
100000

0

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 20.431 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Tgt Ion: 43 Resp: 221409

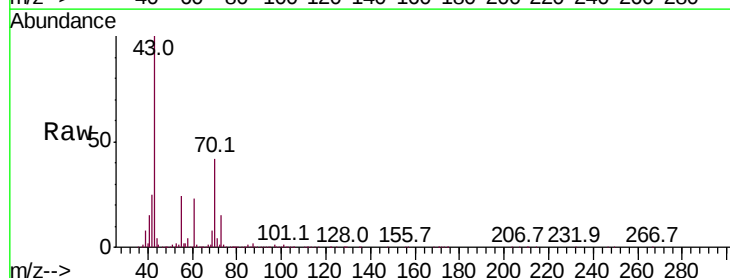
Ion Ratio Lower Upper

43 100

70 43.5 35.8 53.8

55 25.0 19.4 29.0

61 24.2 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

250000

200000

150000

100000

50000

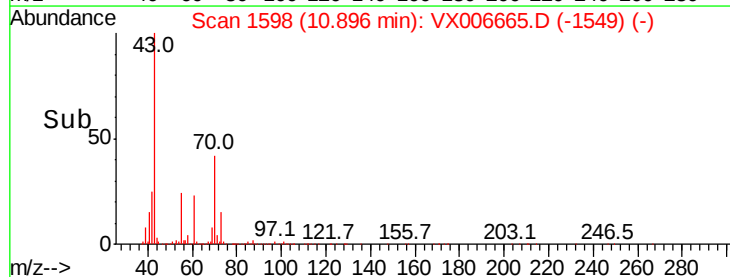
0

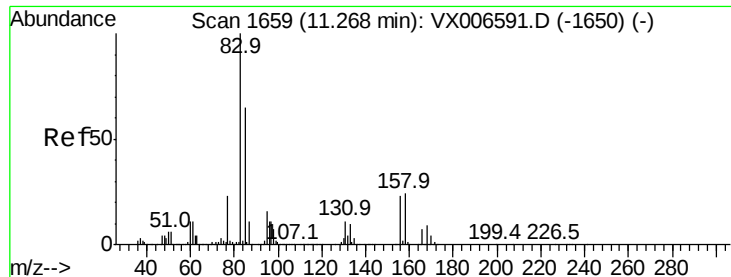
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.415 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 83 Resp: 183818

Ion Ratio Lower Upper

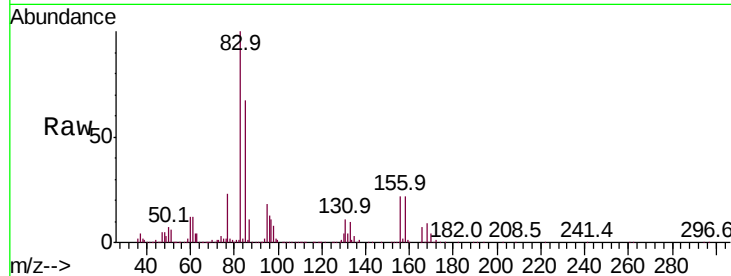
83 100

131 11.1 5.7 17.1

85 65.2 32.2 96.6

Manual Integrations
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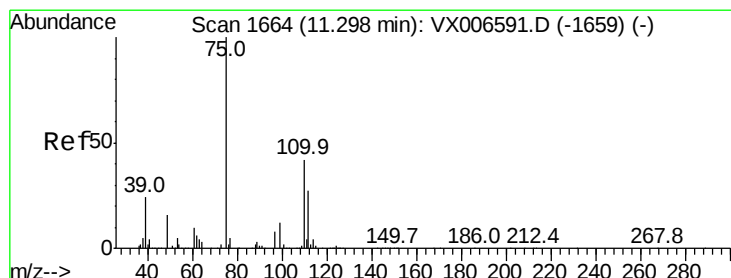
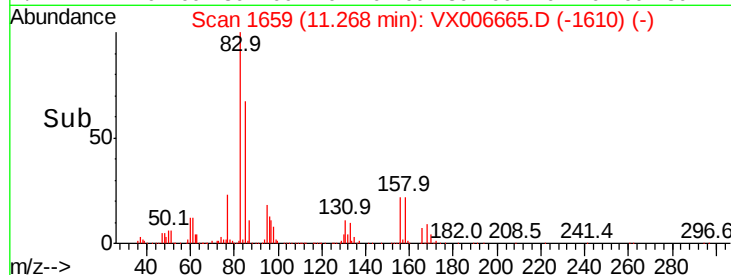
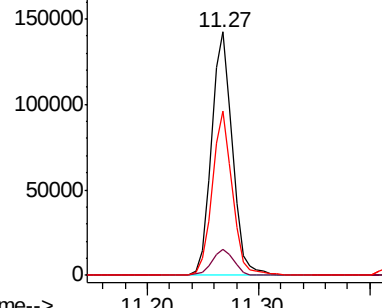
MMDadoda
12/21/2018 10:18:54 AM



Abundance Ion 82.90 (82.60 to 83.60): VX006665.D (-1610) (-)

Ion 130.80 (130.50 to 131.50): VX006665.D (-1610) (-)

Ion 84.90 (84.60 to 85.60): VX006665.D (-1610) (-)



#76

1,2,3-Trichloropropane

Concen: 20.781 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006665.D

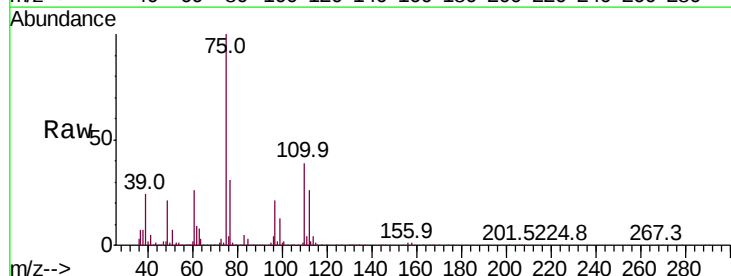
Acq: 20 Dec 2018 10:27

Tgt Ion: 75 Resp: 170912

Ion Ratio Lower Upper

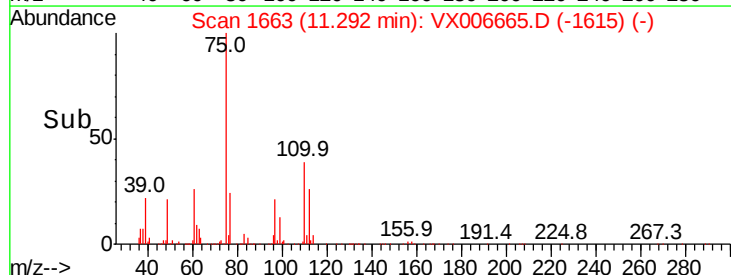
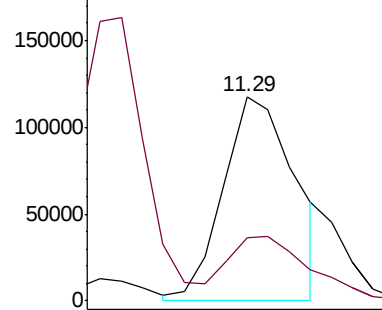
75 100

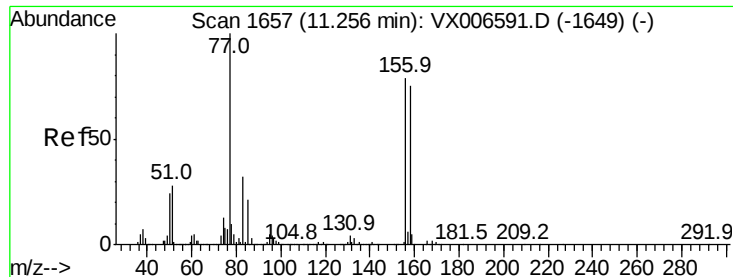
77 35.7 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX006665.D (-1615) (-)

Ion 77.00 (76.70 to 77.70): VX006665.D (-1615) (-)





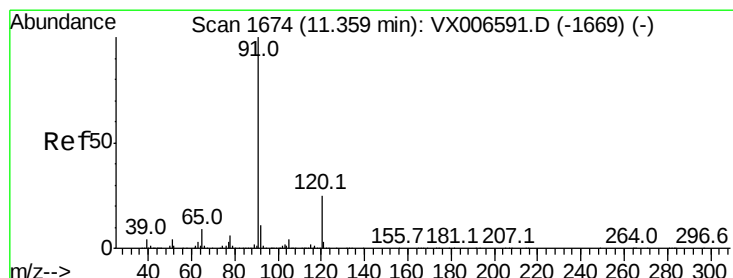
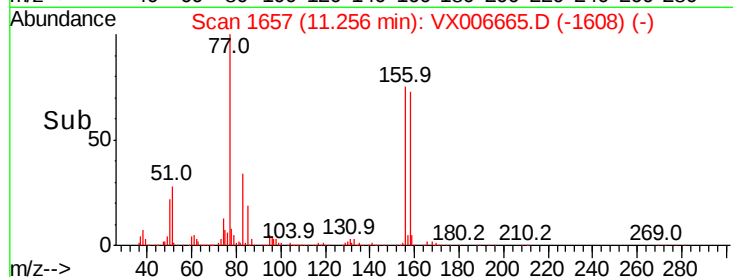
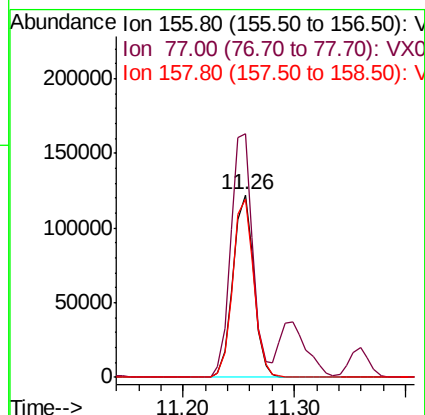
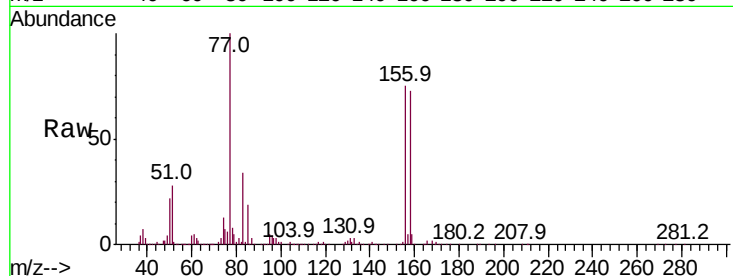
#77
Bromobenzene
Concen: 19.443 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	139.9	68.0	204.0
158	98.7	48.3	144.8

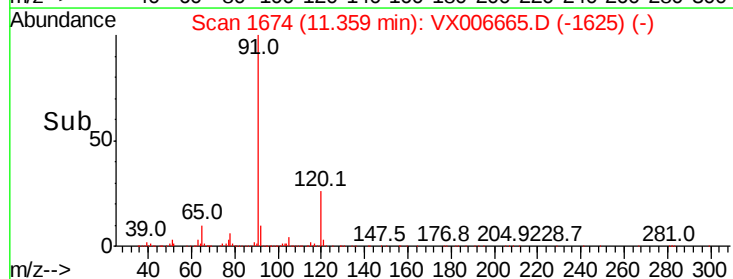
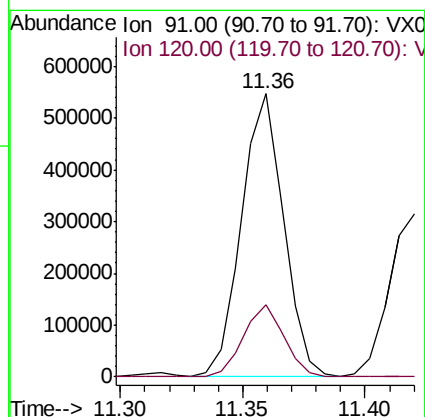
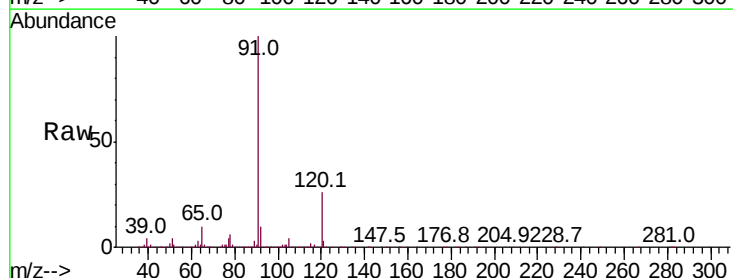
Manual Integrations
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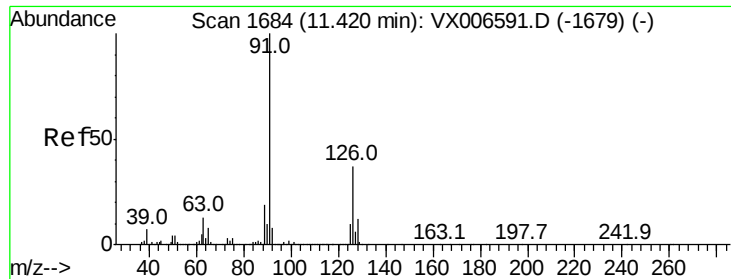
MMDadoda
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#78
n-propylbenzene
Concen: 19.563 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.658 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion: 91 Resp: 397180

Ion Ratio Lower Upper

91 100

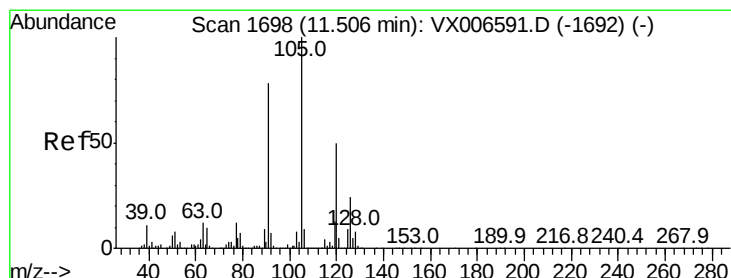
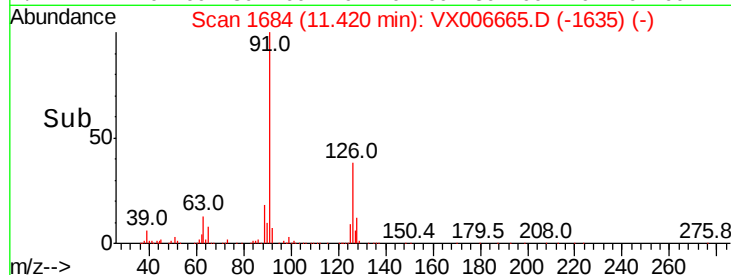
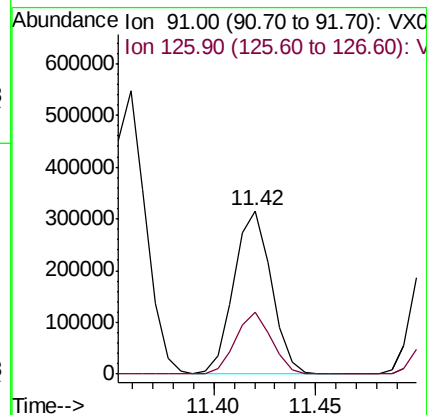
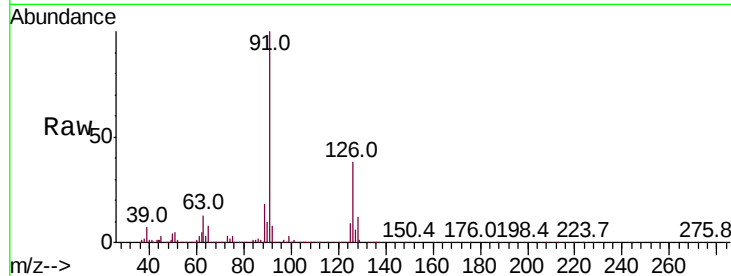
126 36.8 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.772 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006665.D

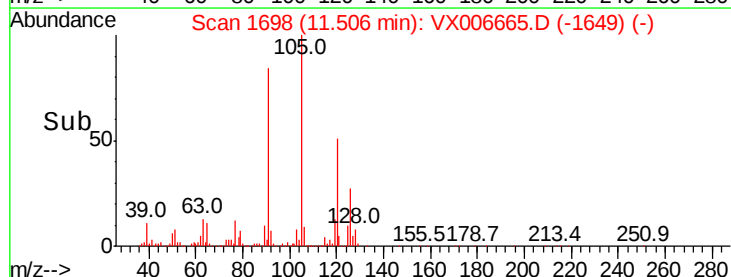
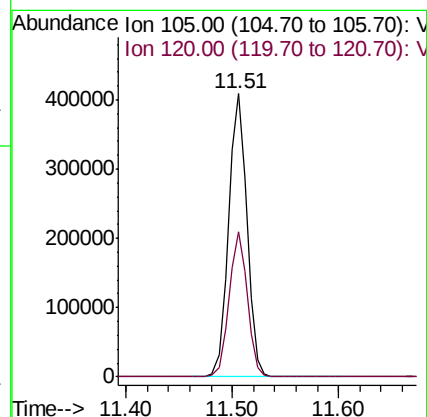
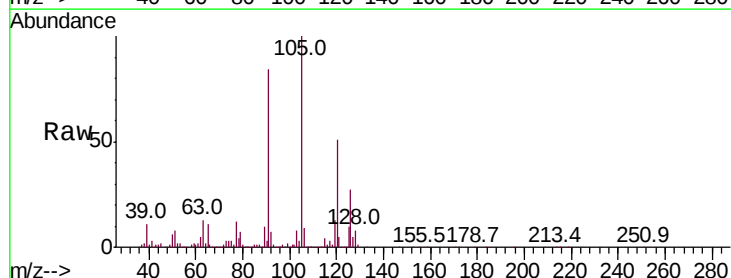
Acq: 20 Dec 2018 10:27

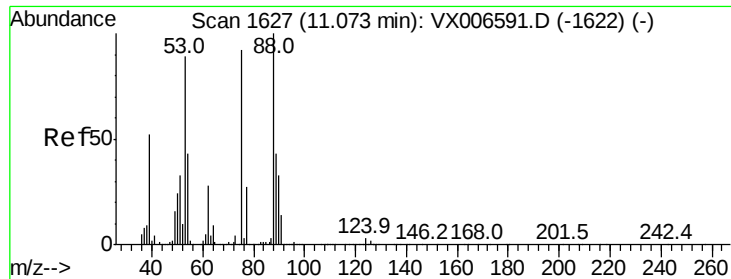
Tgt Ion: 105 Resp: 493061

Ion Ratio Lower Upper

105 100

120 50.6 25.1 75.3





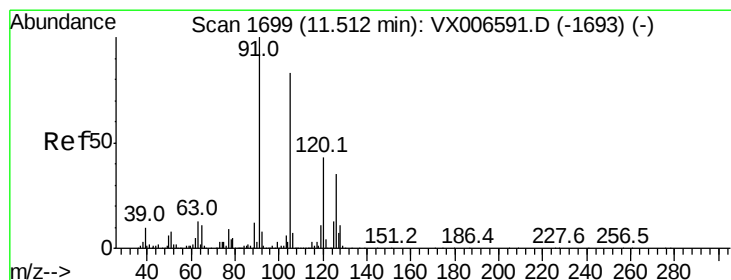
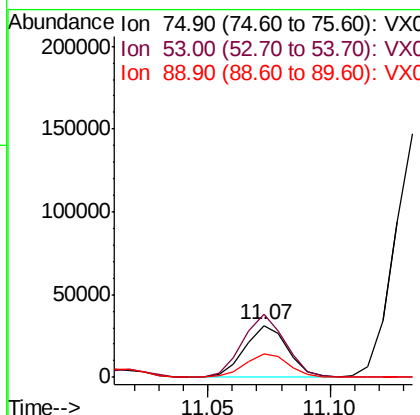
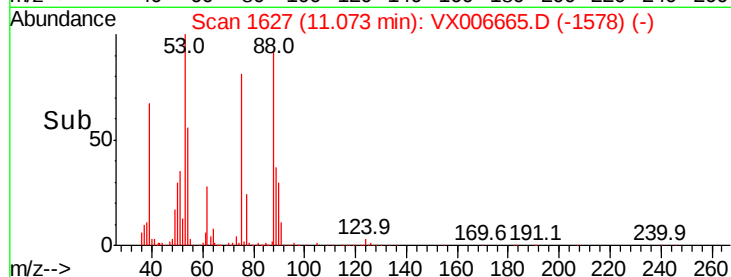
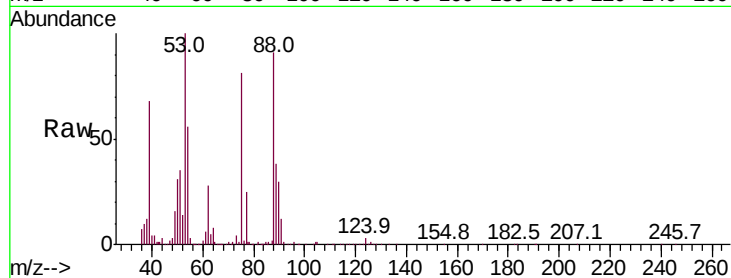
#81
trans-1,4-Dichloro-2-butene
Concen: 17.046 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	123.6	79.7	119.5#
89	47.5	38.0	57.0

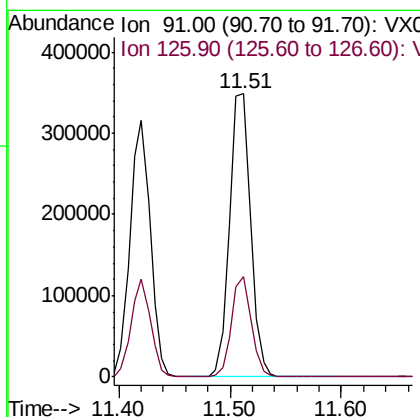
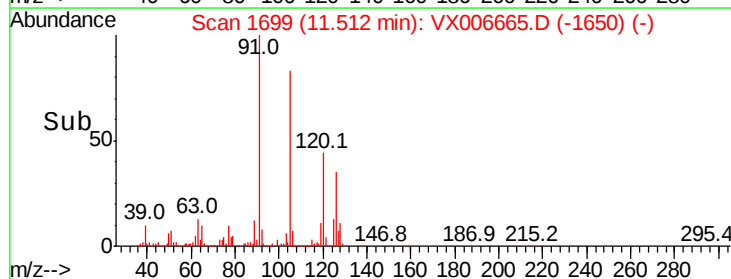
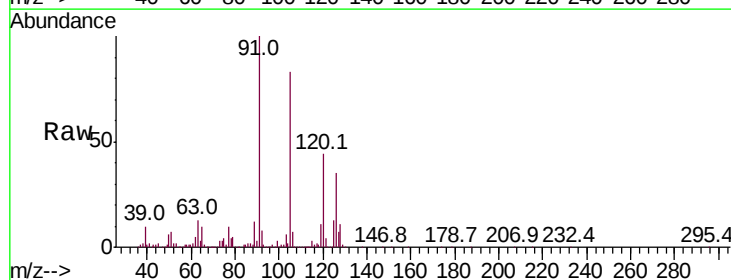
Manual Integrations
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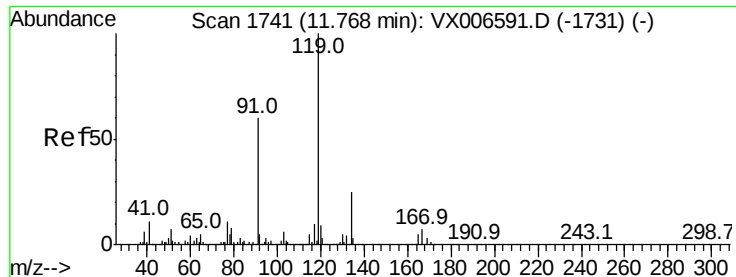
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.807 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.3	48.9





#83

tert-Butylbenzene

Concen: 19.773 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

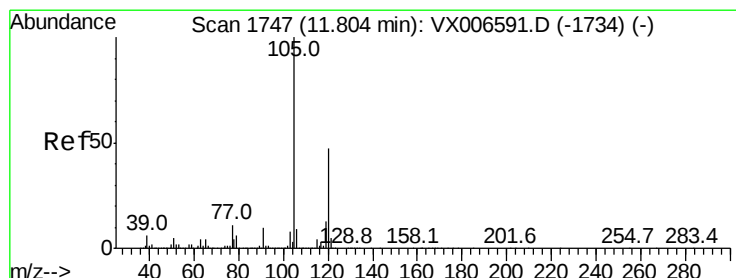
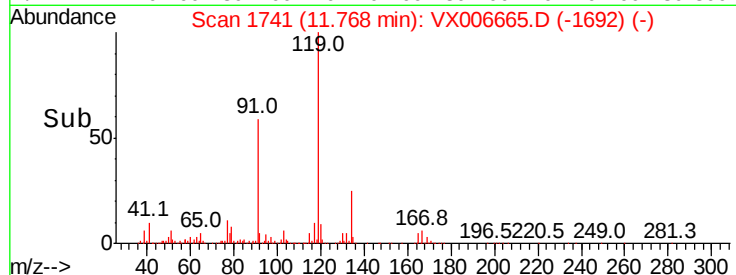
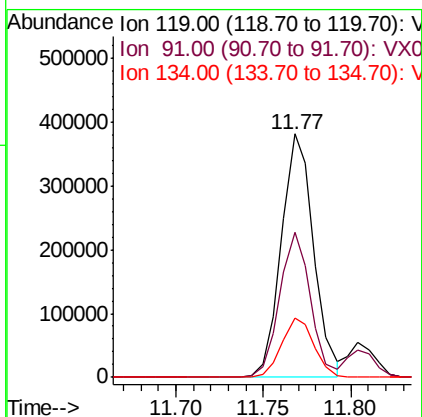
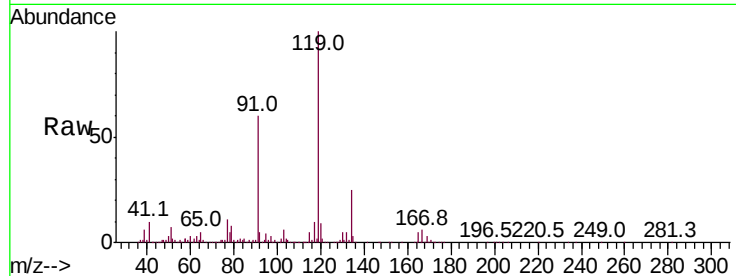
ClientSampleId :

VX1220WBS01

Tot Ion:	119	Resp:	493506
Ion Ratio	Lower	Upper	
119	100		
91	56.9	27.7	83.1
134	24.6	11.9	35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.226 ug/l

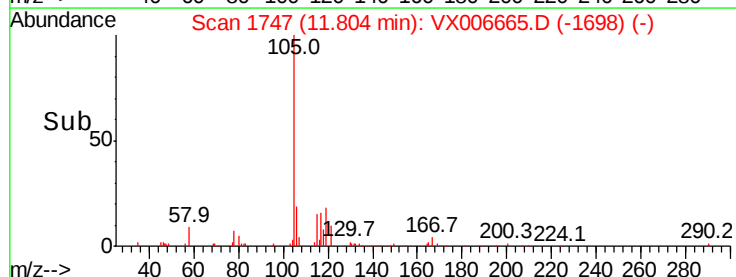
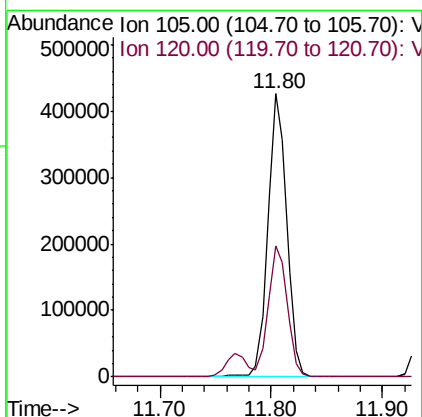
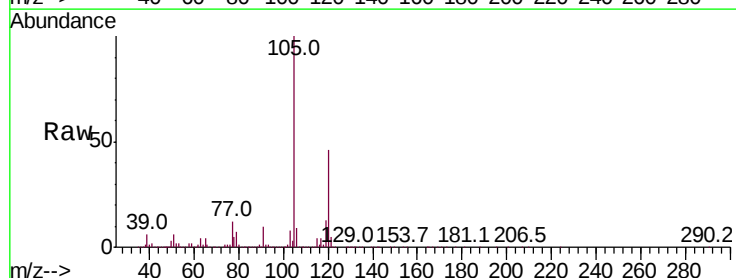
RT: 11.80 min Scan# 1747

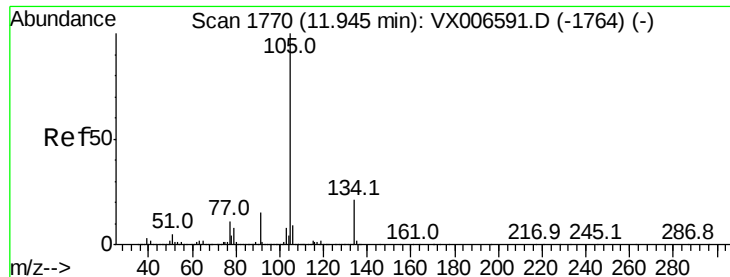
Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Tgt Ion:	105	Resp:	504297
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.692 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBS01

Tot Ion:105 Resp: 602595

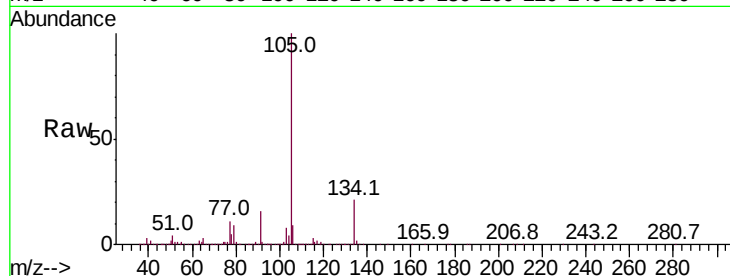
Ion Ratio Lower Upper

105 100

134 21.0 10.7 31.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

200000

100000

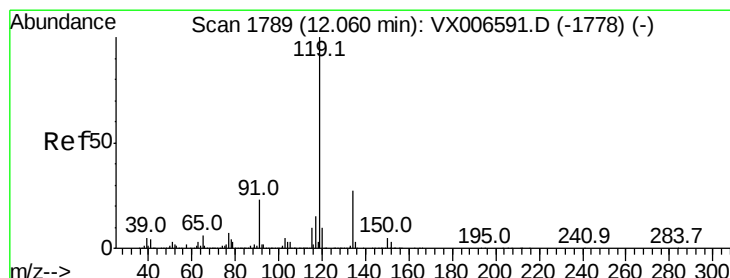
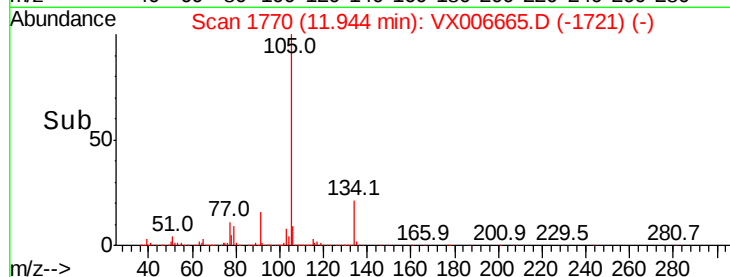
0

11.94

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 19.868 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

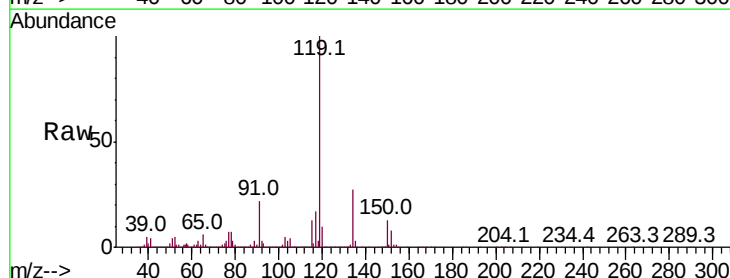
Tgt Ion:119 Resp: 534422

Ion Ratio Lower Upper

119 100

134 27.8 14.0 41.9

91 22.3 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

600000

500000

400000

300000

200000

100000

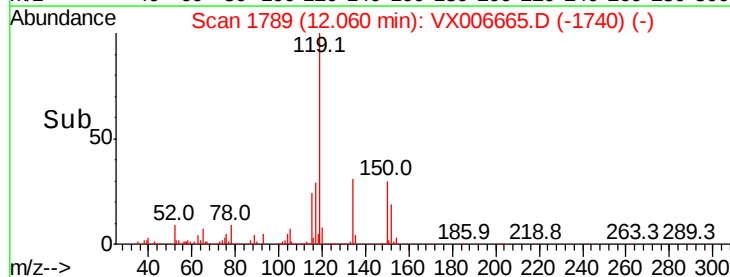
0

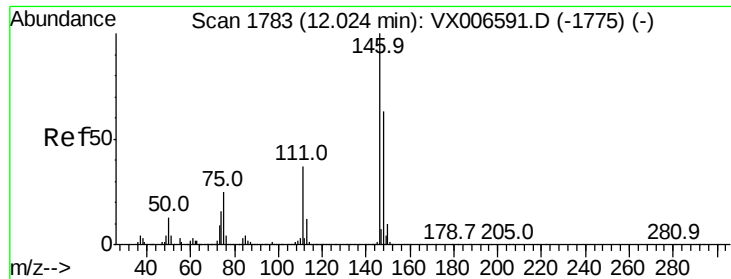
12.06

12.00

12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.584 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006665.D

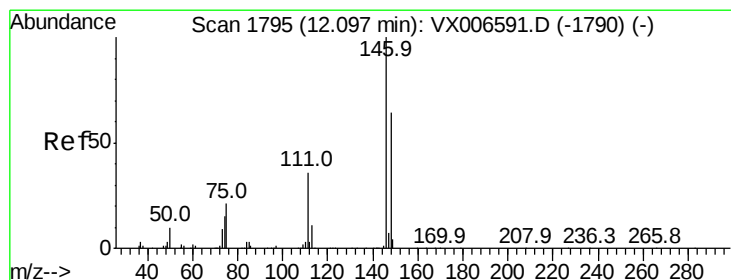
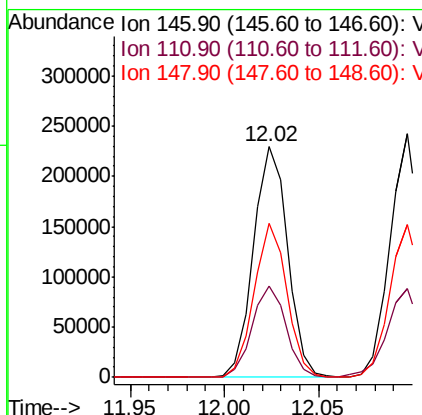
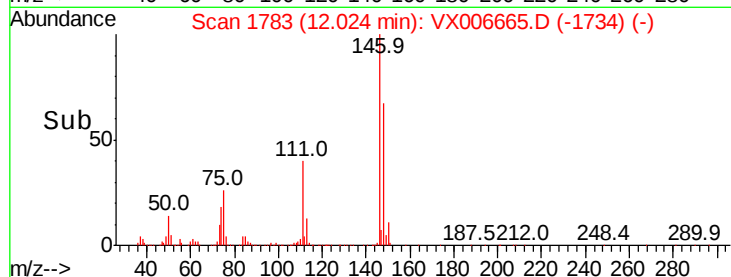
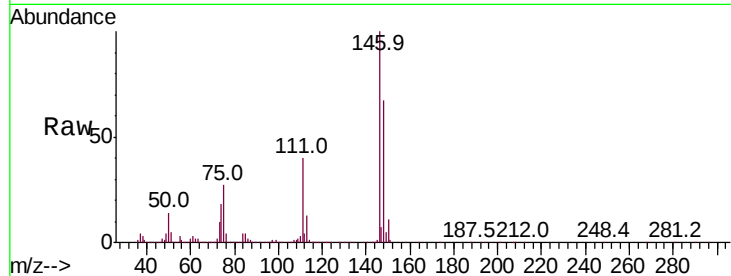
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	288895		
111	39.3	18.6	55.8	
148	64.2	31.8	95.3	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.130 ug/l

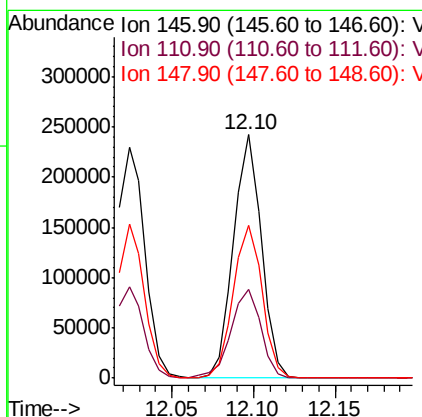
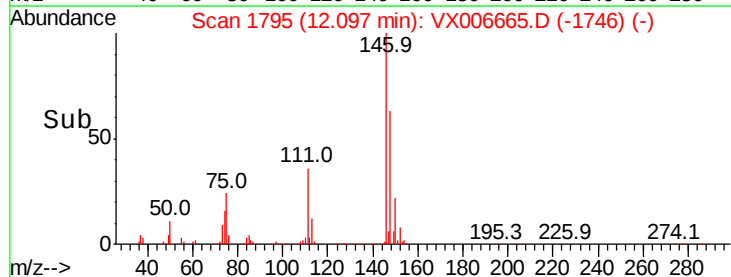
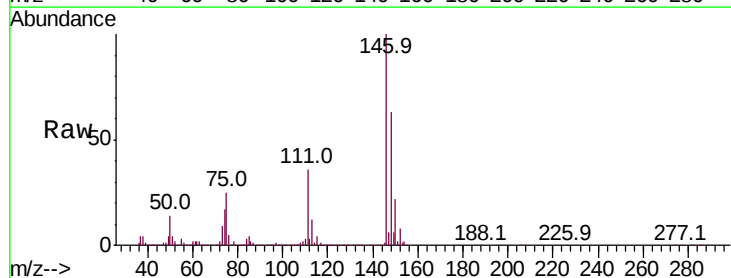
RT: 12.10 min Scan# 1795

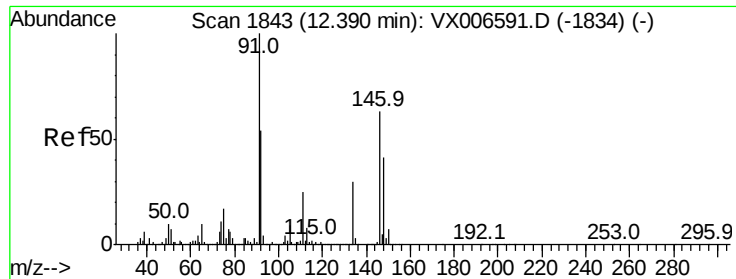
Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	289291		
111	39.3	18.1	54.1	
148	65.2	31.9	95.9	





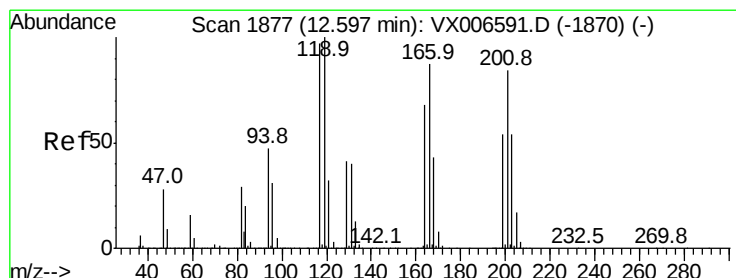
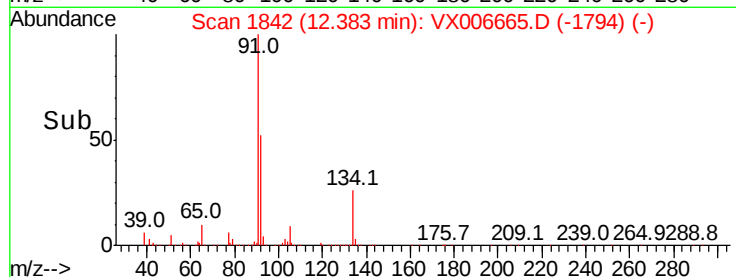
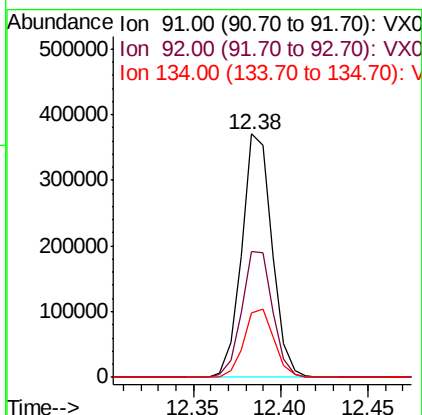
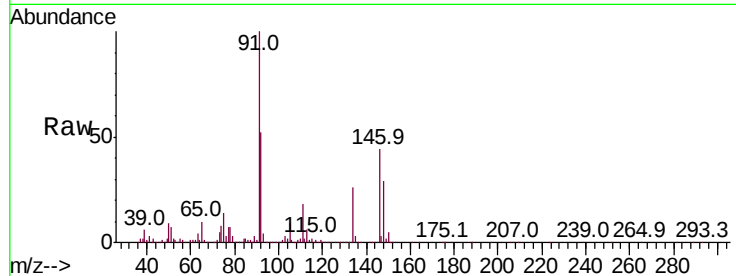
#89
n-Butylbenzene
Concen: 19.405 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.4
134	28.1	14.4	43.2

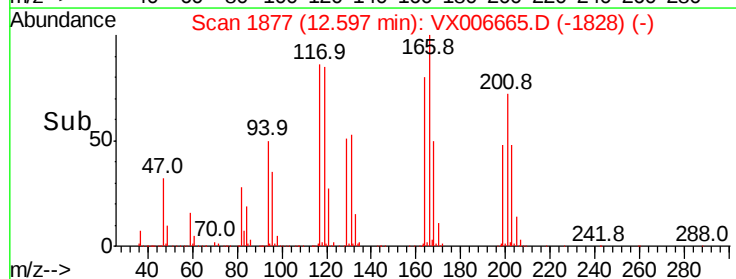
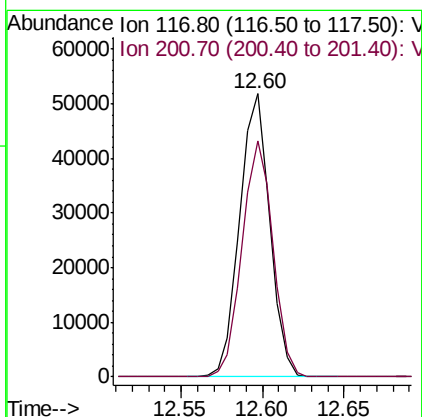
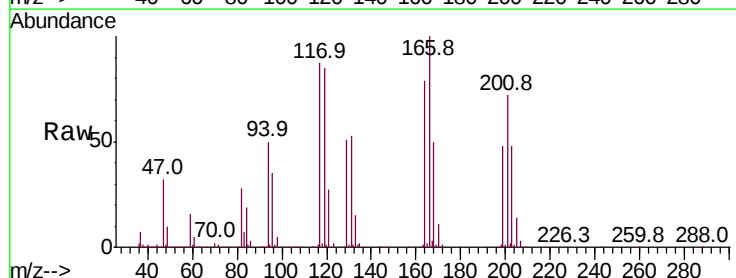
Manual Integrations
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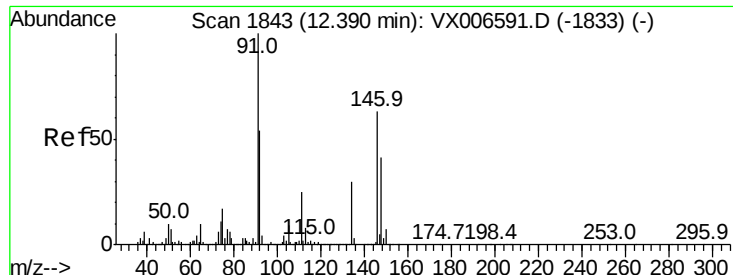
MMDadoda
12/21/2018 10:18:54 AM



#90
Hexachloroethane
Concen: 18.165 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 19.756 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

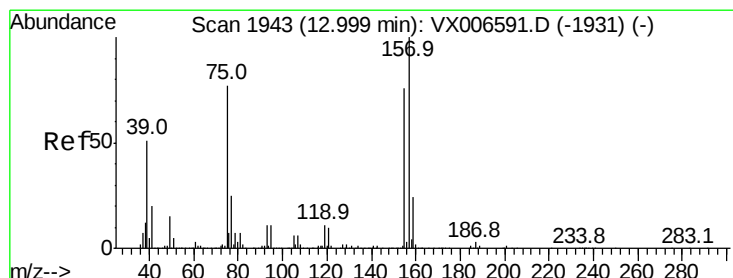
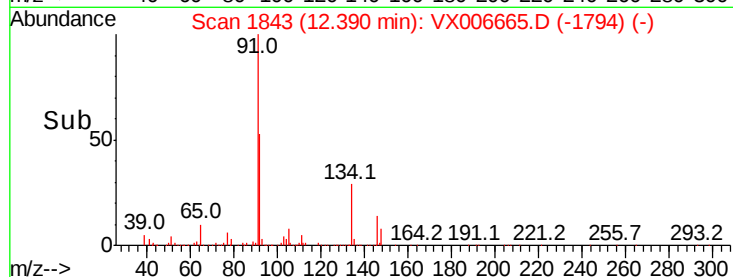
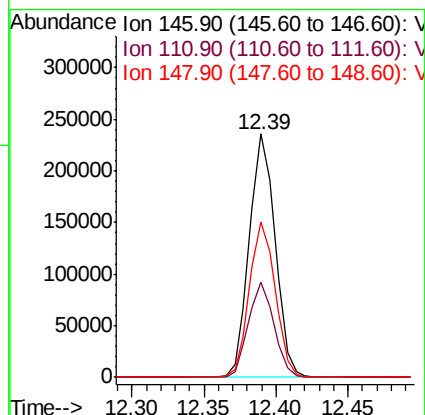
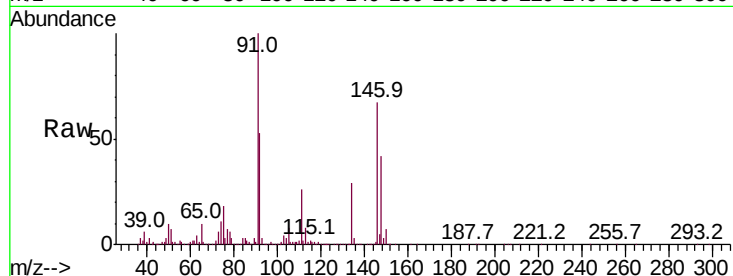
ClientSampleId :

VX1220WBS01

Tot Ion:	146	Resp:	291539
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.4	58.2
148	64.1	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.188 ug/l

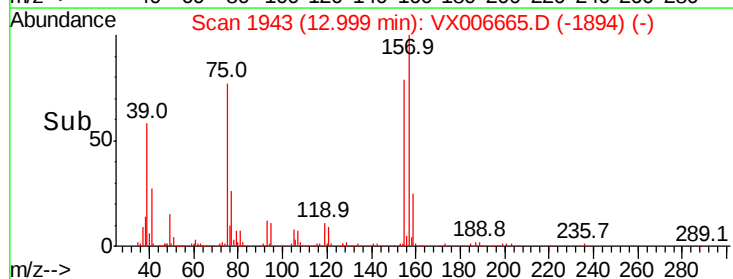
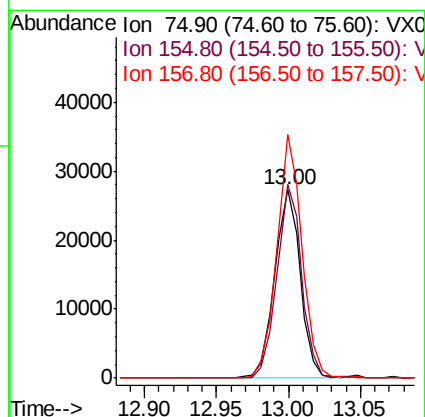
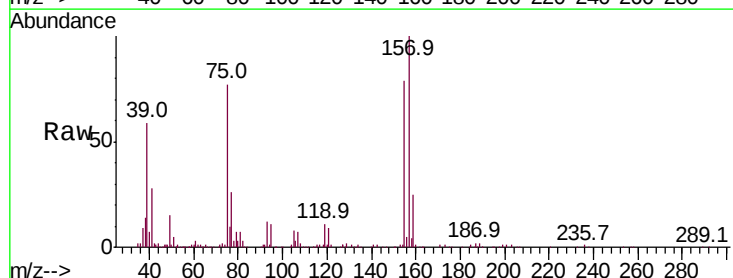
RT: 13.00 min Scan# 1943

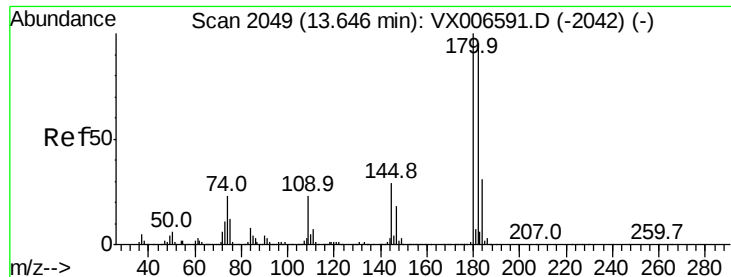
Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Tgt Ion:	75	Resp:	33886
Ion Ratio	Lower	Upper	
75	100		
155	99.4	50.6	151.8
157	127.4	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 19.199 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Instrument :

MSVOA_X

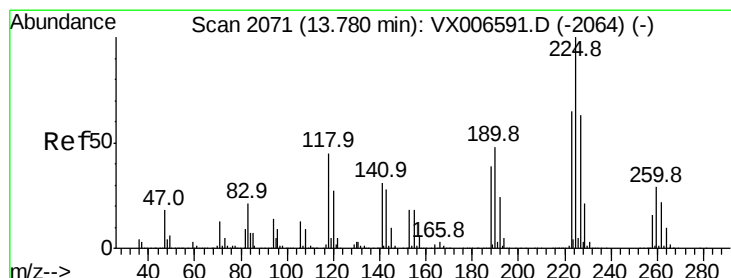
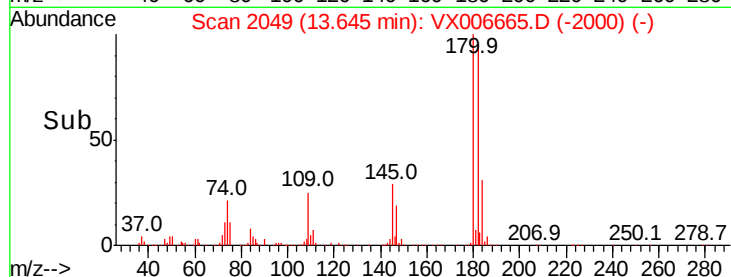
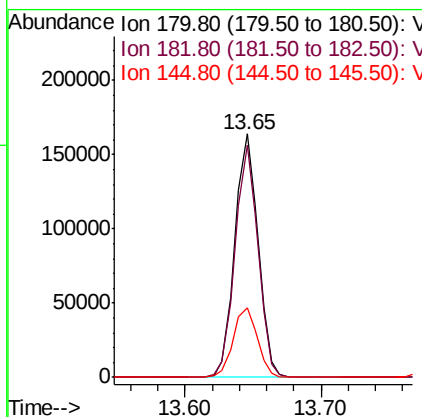
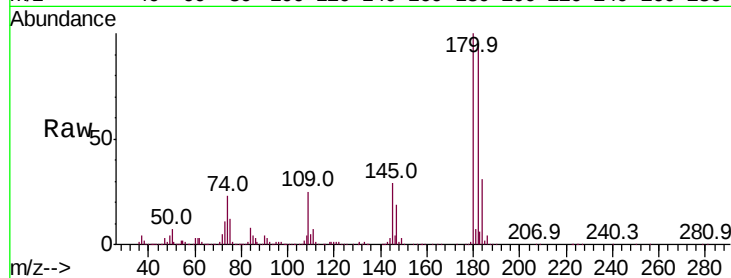
ClientSampleId :

VX1220WBS01

Tot Ion:	180	Resp:	195427
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.3	142.0
145	29.8	14.8	44.3

Manual Integrations
APPROVED

MMDadoda
12/21/2018 10:18:54 AM



#94

Hexachlorobutadiene

Concen: 18.742 ug/l

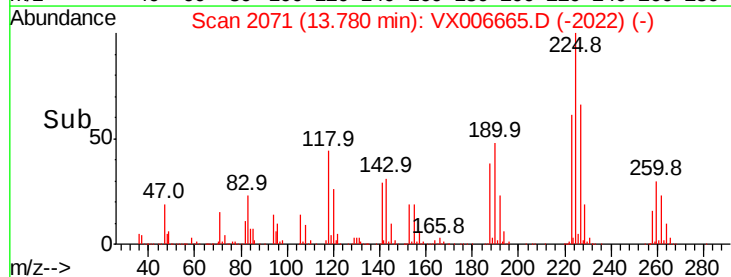
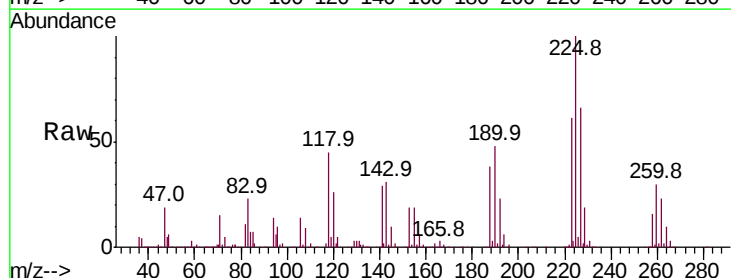
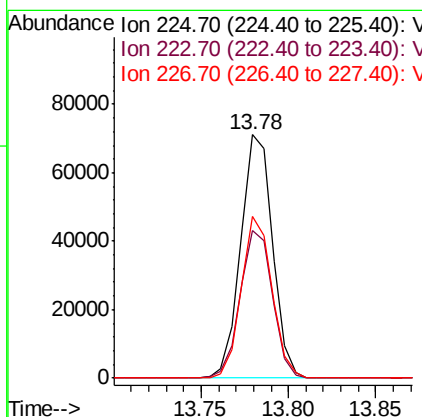
RT: 13.78 min Scan# 2071

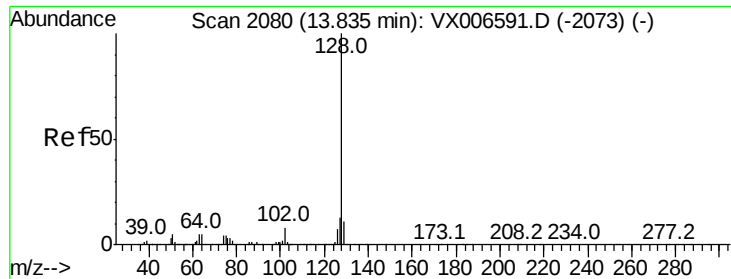
Delta R.T. -0.00 min

Lab File: VX006665.D

Acq: 20 Dec 2018 10:27

Tgt Ion:	225	Resp:	89925
Ion Ratio	Lower	Upper	
225	100		
223	61.7	32.1	96.3
227	63.9	32.3	96.8





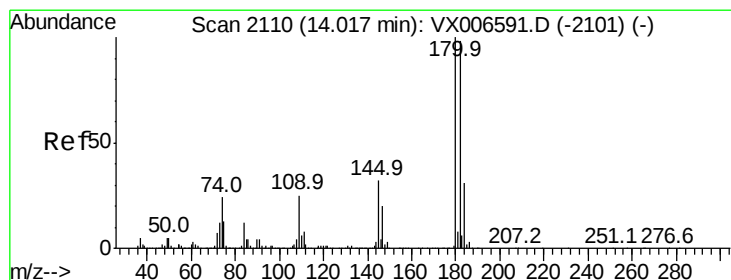
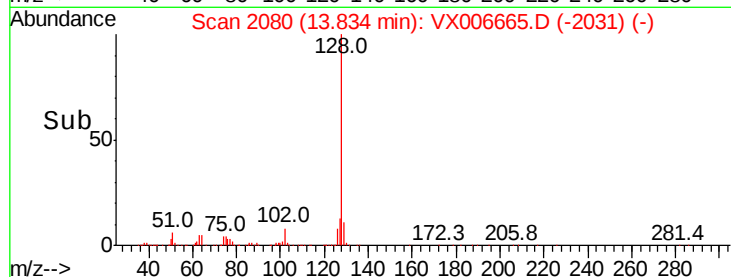
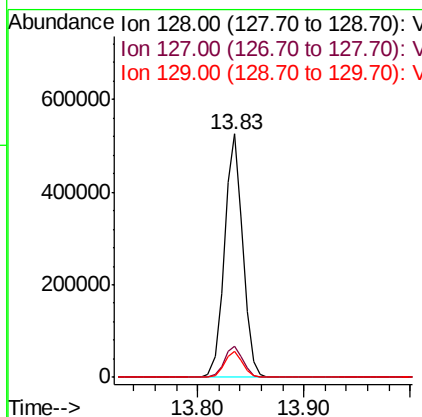
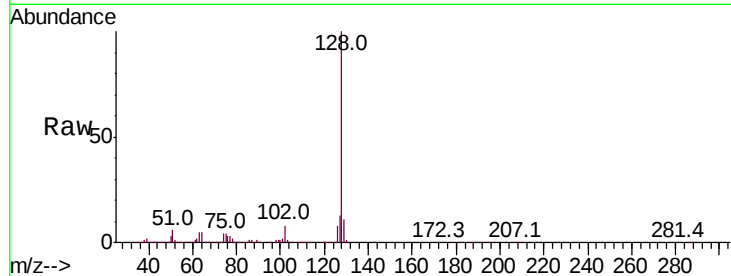
#95
Naphthalene
Concen: 19.340 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/21/2018 10:18:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.600 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006665.D
Acq: 20 Dec 2018 10:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.5	145.5
145	31.7	16.0	47.9

