

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006637.D
 Acq On : 19 Dec 2018 15:24
 Operator : JC/MD
 Sample : VX1219WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 10:00:22 AM

Quant Time: Dec 20 04:16:11 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	591440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	914082	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	836428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	440718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	322048	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	5.50	113	282834	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	8.71	98	1099638	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	407068	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	108997	20.145	ug/l	99
3) Chloromethane	1.33	50	116487	19.983	ug/l	96
4) Vinyl Chloride	1.41	62	124127	20.389	ug/l	100
5) Bromomethane	1.64	94	122302	20.392	ug/l	97
6) Chloroethane	1.72	64	80076	18.996	ug/l	99
7) Trichlorofluoromethane	1.93	101	194764	20.519	ug/l	100
8) Diethyl Ether	2.19	74	73158	19.405	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	118973	21.348	ug/l	99
10) Methyl Iodide	2.51	142	162011	20.308	ug/l	98
11) Tert butyl alcohol	3.06	59	152935	107.506	ug/l	98
12) 1,1-Dichloroethene	2.38	96	105611	19.986	ug/l	94
13) Acrolein	2.29	56	84018	87.549	ug/l	99
14) Allyl chloride	2.73	41	175668	19.749	ug/l	99
15) Acrylonitrile	3.15	53	324018	102.585	ug/l	99
16) Acetone	2.45	43	306540	104.673	ug/l	97
17) Carbon Disulfide	2.57	76	248466	17.767	ug/l	100
18) Methyl Acetate	2.78	43	176353	20.479	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	364135	20.762	ug/l	98
20) Methylene Chloride	2.85	84	123144	20.335	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	114350	19.530	ug/l	99
22) Diisopropyl ether	3.87	45	336419	20.674	ug/l	98
23) Vinyl Acetate	3.82	43	1320357	99.197	ug/l	99
24) 1,1-Dichloroethane	3.70	63	194174	19.989	ug/l	98
25) 2-Butanone	4.70	43	419186	101.760	ug/l	98
26) 2,2-Dichloropropane	4.59	77	140269	18.693	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	128104	19.830	ug/l	98
28) Bromochloromethane	5.02	49	86909	20.116	ug/l	98
29) Tetrahydrofuran	5.15	42	273425	100.778	ug/l	98
30) Chloroform	5.21	83	203217	20.202	ug/l	96
31) Cyclohexane	5.57	56	176394	19.988	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	165387	19.471	ug/l	97
36) 1,1-Dichloropropene	5.80	75	151387	19.996	ug/l	100
37) Ethyl Acetate	4.85	43	155492	19.733	ug/l	100
38) Carbon Tetrachloride	5.79	117	141673	19.255	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	200983	20.165	ug/l	96
40) Benzene	6.14	78	463272	20.131	ug/l	98
41) Methacrylonitrile	5.06	41	86164	20.596	ug/l	98
42) 1,2-Dichloroethane	6.19	62	154801	19.741	ug/l	100
43) Isopropyl Acetate	6.46	43	235371	19.632	ug/l	99
44) Trichloroethene	7.21	130	135526	19.458	ug/l	99
45) 1,2-Dichloropropane	7.51	63	112638	20.114	ug/l	96
46) Dibromomethane	7.66	93	80668	19.584	ug/l	98
47) Bromodichloromethane	7.90	83	132189	19.330	ug/l	95
48) Methyl methacrylate	7.77	41	124778	20.466	ug/l	99
49) 1,4-Dioxane	7.75	88	69009	421.087	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	802619	105.214	ug/l	99
52) Toluene	8.78	92	305155	20.526	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	136394	18.596	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	156882	19.494	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	124519	20.462	ug/l	98
56) Ethyl methacrylate	9.18	69	178346	20.736	ug/l	99
57) 1,3-Dichloropropane	9.37	76	198366	20.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	461194	100.875	ug/l	100
59) 2-Hexanone	9.49	43	624208	106.946	ug/l	99
60) Dibromochloromethane	9.59	129	109385	18.712	ug/l	99
61) 1,2-Dibromoethane	9.67	107	130969	20.246	ug/l	100
64) Tetrachloroethene	9.34	164	135256	20.421	ug/l	98
65) Chlorobenzene	10.14	112	357488	20.202	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	111327	20.165	ug/l	99
67) Ethyl Benzene	10.25	91	584590	20.217	ug/l	100
68) m/p-Xylenes	10.36	106	471229	41.300	ug/l	99
69) o-Xylene	10.69	106	231461	20.543	ug/l	97
70) Styrene	10.71	104	372029	20.871	ug/l	99
71) Bromoform	10.86	173	74395	18.066	ug/l #	99
73) Isopropylbenzene	11.02	105	609511	20.216	ug/l	100
74) N-amyl acetate	10.90	43	221748	20.547	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	184492	20.575	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	168386m	20.559	ug/l	
77) Bromobenzene	11.26	156	161437	19.805	ug/l	99
78) n-propylbenzene	11.36	91	682751	20.564	ug/l	100
79) 2-Chlorotoluene	11.42	91	408769	20.316	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	505270	20.346	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	37532	16.997	ug/l #	85
82) 4-Chlorotoluene	11.51	91	471583	20.433	ug/l	99
83) tert-Butylbenzene	11.77	119	498849	20.071	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	518904	19.865	ug/l	99
85) sec-Butylbenzene	11.94	105	625082	20.512	ug/l	99
86) p-Isopropyltoluene	12.06	119	554551	20.702	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	299640	20.397	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	301111	19.994	ug/l	98
89) n-Butylbenzene	12.39	91	471152	20.667	ug/l	100
90) Hexachloroethane	12.60	117	69174	18.707	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	297339	20.233	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34880	18.800	ug/l	96

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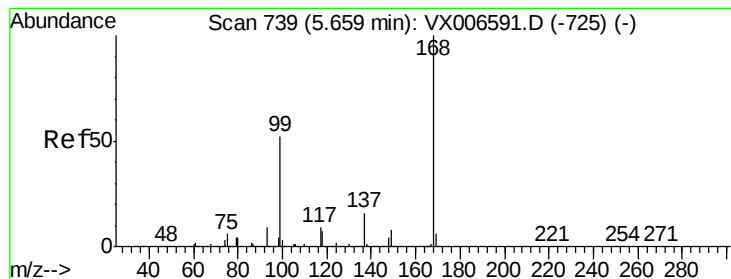
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	205836	20.305	ug/l	99
94) Hexachlorobutadiene	13.78	225	95711	20.031	ug/l	98
95) Naphthalene	13.83	128	635799	19.651	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	203469	19.440	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion:168 Resp: 591440

Ion Ratio Lower Upper

168 100

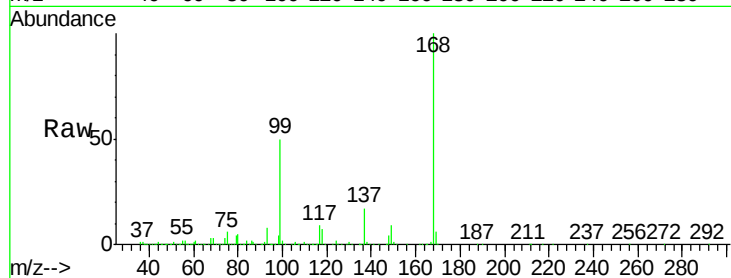
99 50.2 41.8 62.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

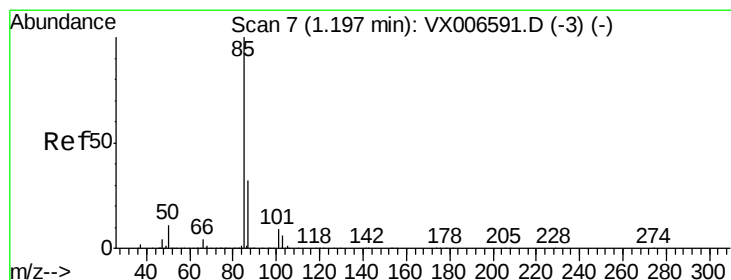
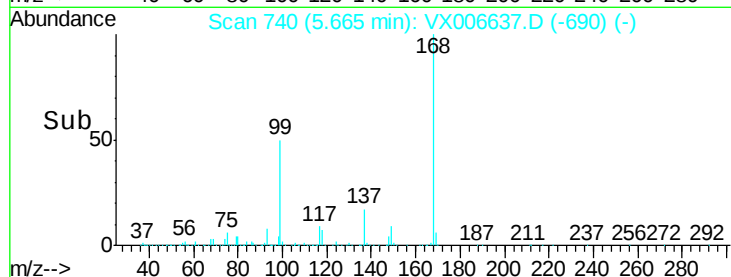
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50000

0

5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.145 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006637.D

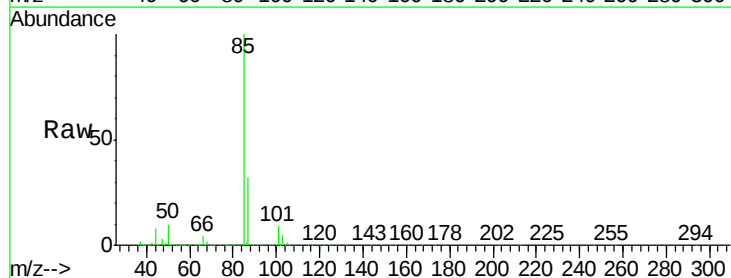
Acq: 19 Dec 2018 15:24

Tgt Ion: 85 Resp: 108997

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

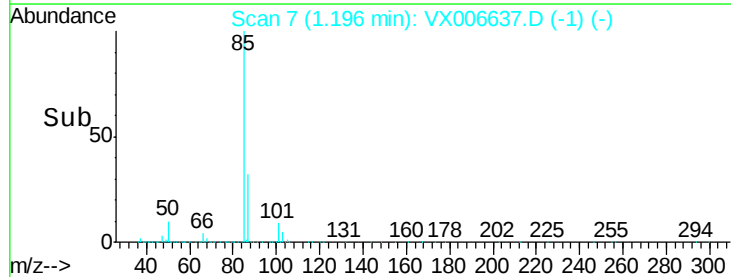
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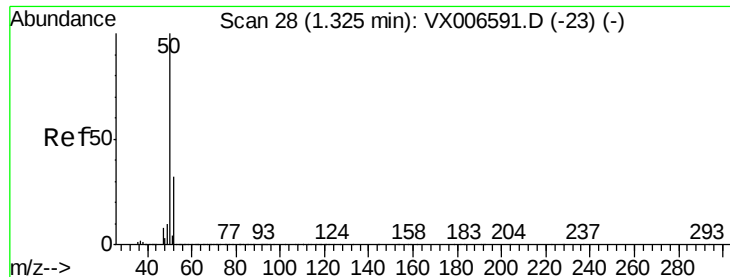
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.983 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 50 Resp: 116487

Ion Ratio Lower Upper

50 100

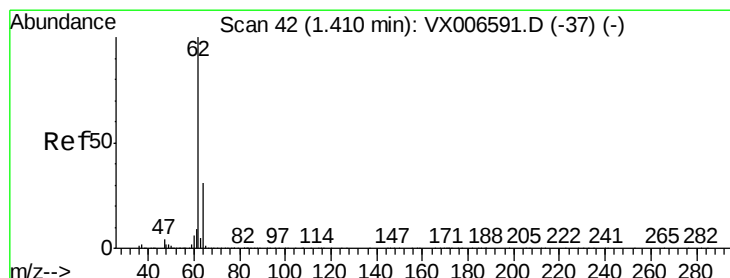
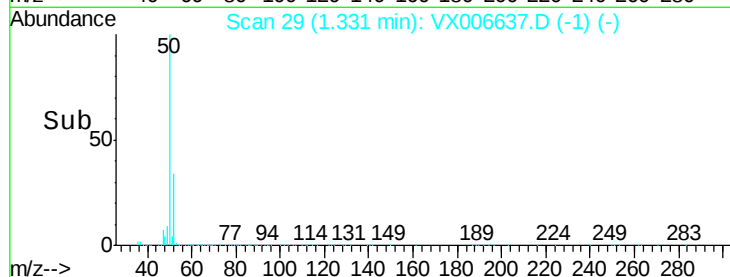
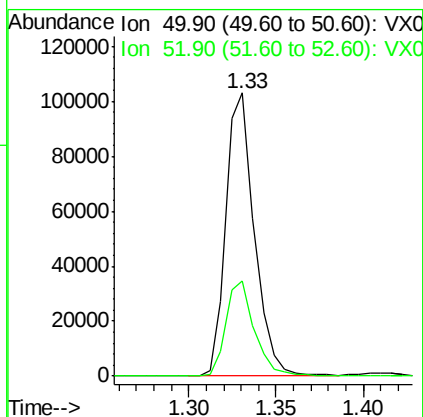
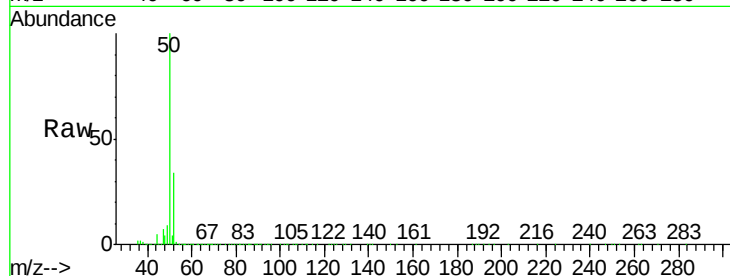
52 33.9 25.4 38.2

Manual Integrations

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12/20/2018 10:00:22 AM



#4

Vinyl Chloride

Concen: 20.389 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006637.D

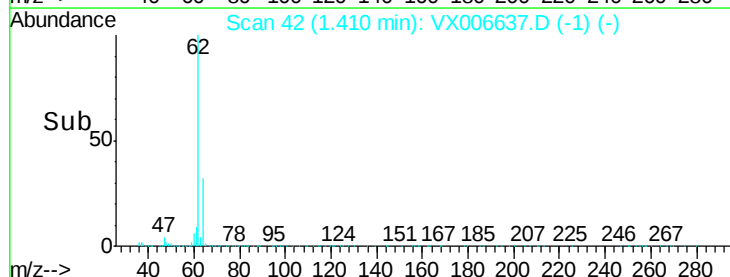
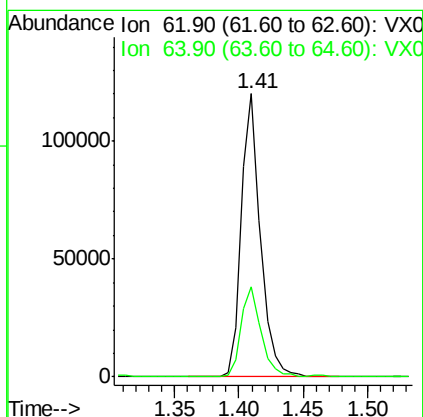
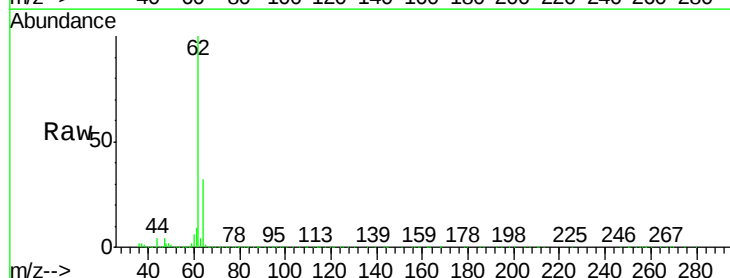
Acq: 19 Dec 2018 15:24

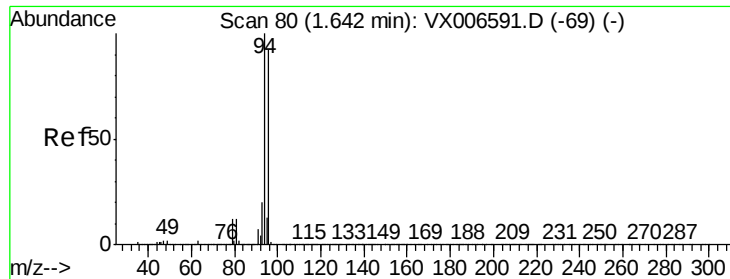
Tgt Ion: 62 Resp: 124127

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





#5

Bromomethane

Concen: 20.392 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

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ClientSampleId :

VX1219WBS01

Tot Ion: 94 Resp: 122302

Ion Ratio Lower Upper

94 100

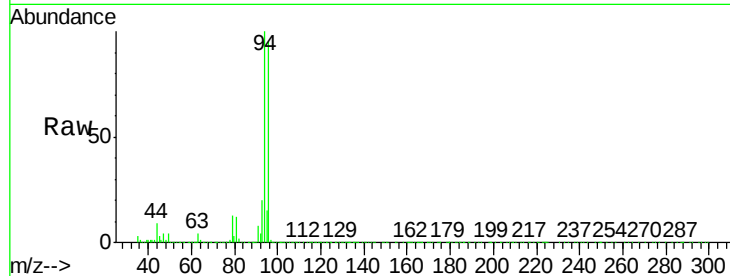
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Manual Integrations

APPROVED

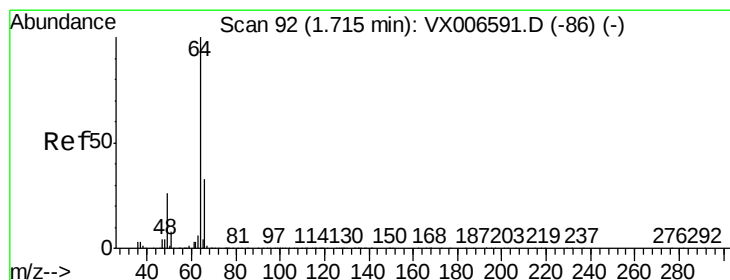
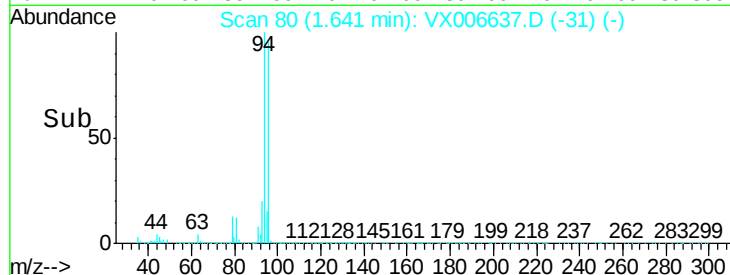
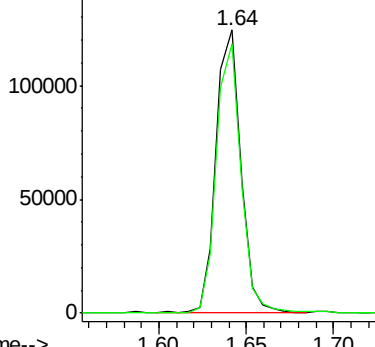
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.996 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006637.D

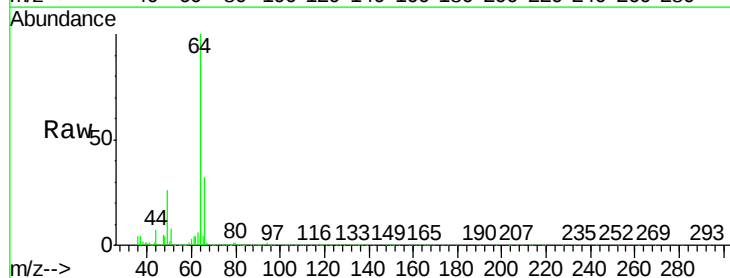
Acq: 19 Dec 2018 15:24

Tgt Ion: 64 Resp: 80076

Ion Ratio Lower Upper

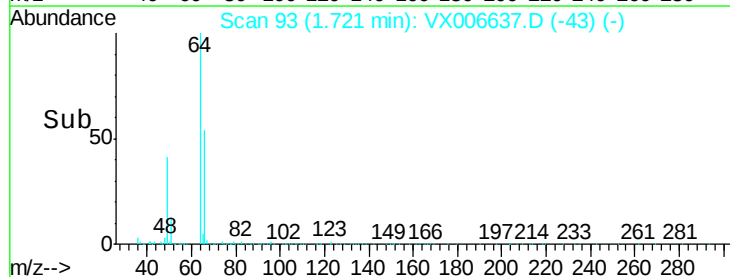
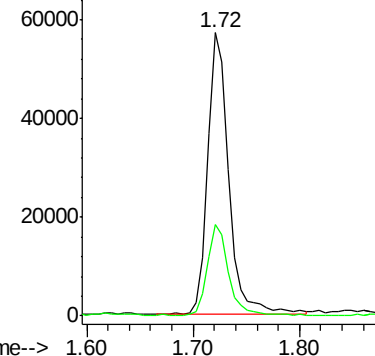
64 100

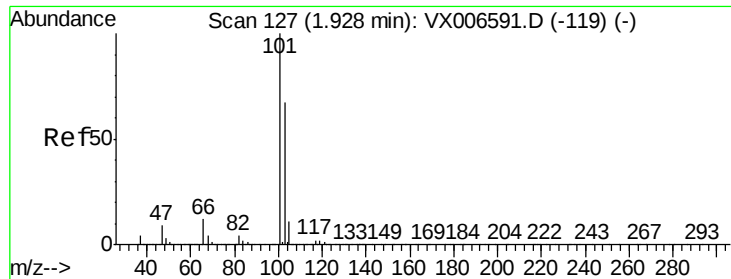
66 32.3 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

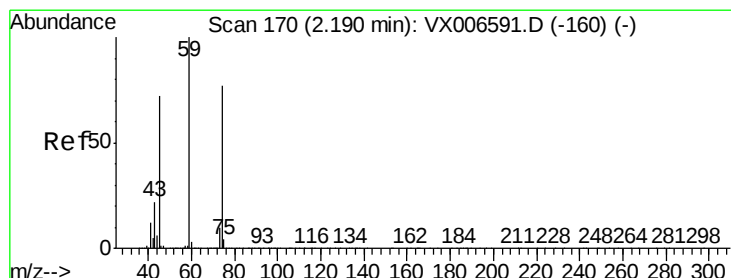
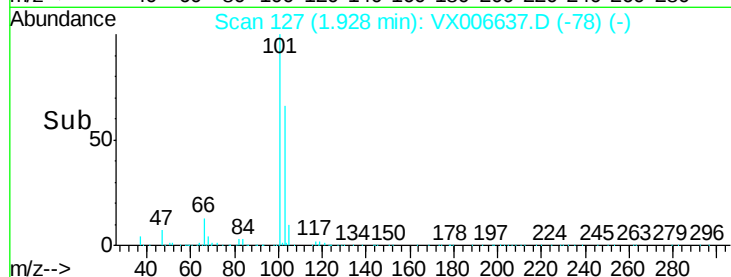
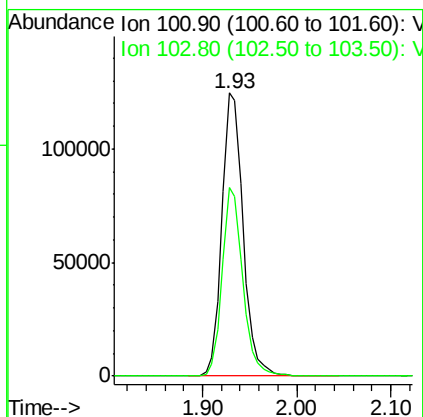
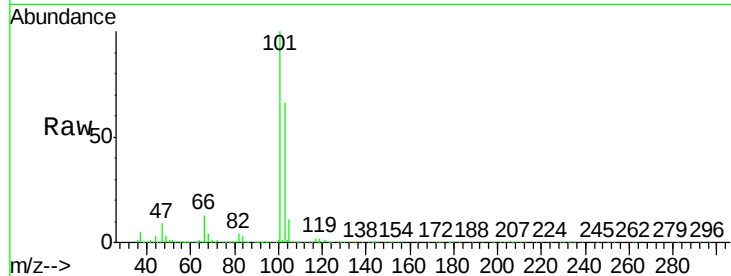
Trichlorofluoromethane
Concen: 20.519 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

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VX1219WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	53.2	79.8

Manual Integrations
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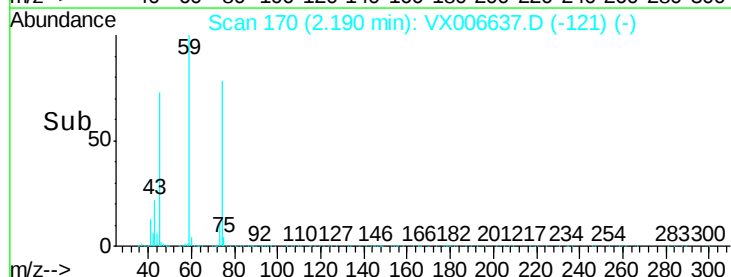
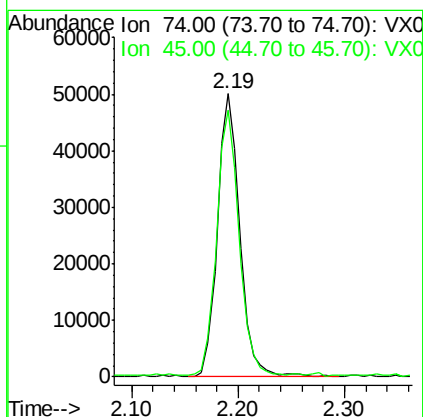
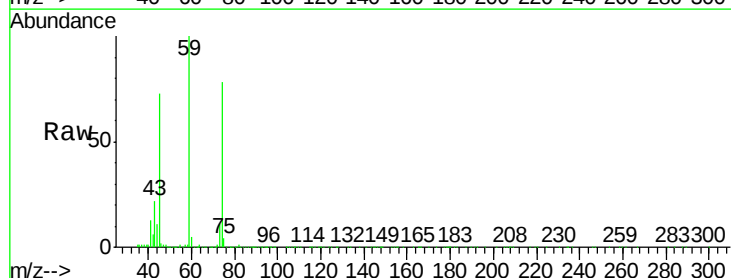
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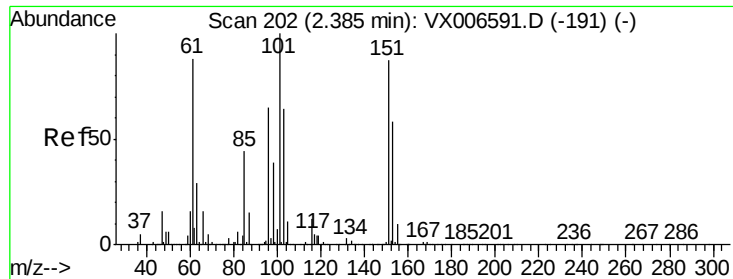


#8

Diethyl Ether
Concen: 19.405 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.348 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

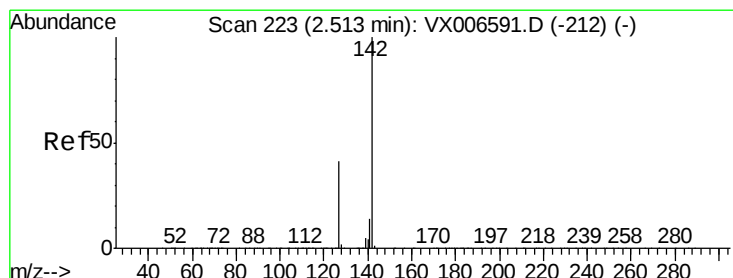
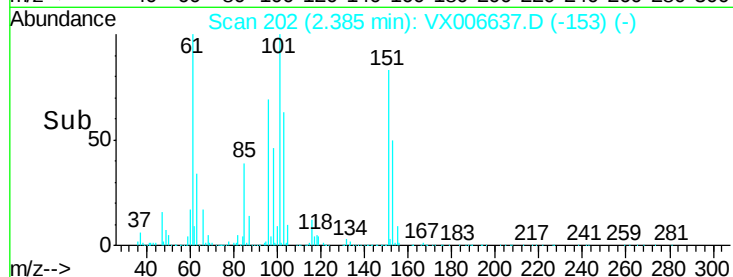
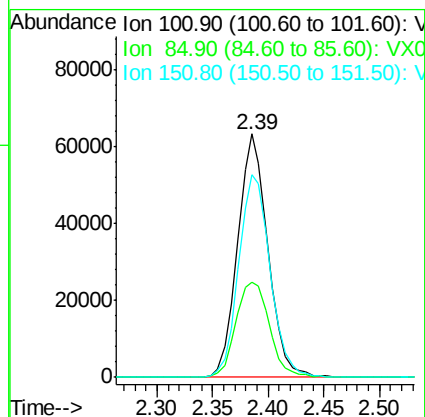
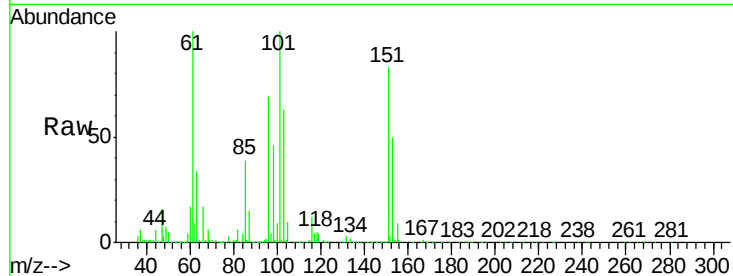
ClientSampleId :

VX1219WBS01

Tot Ion:	101	Resp:	118973
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.1	52.7
151	86.6	68.9	103.3

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#10

Methyl Iodide

Concen: 20.308 ug/l

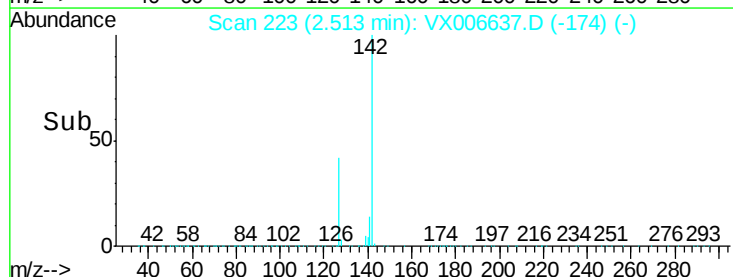
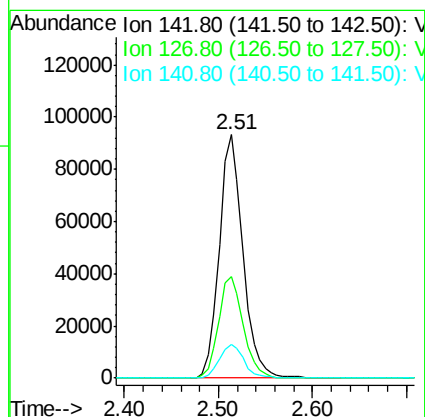
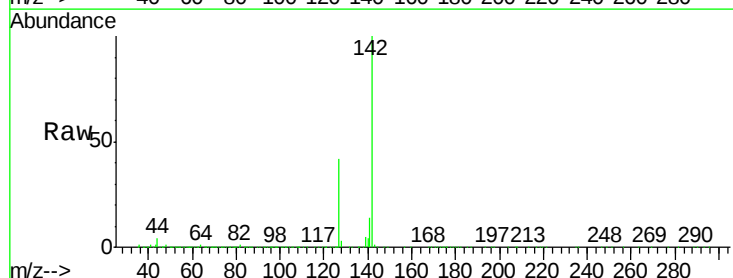
RT: 2.51 min Scan# 223

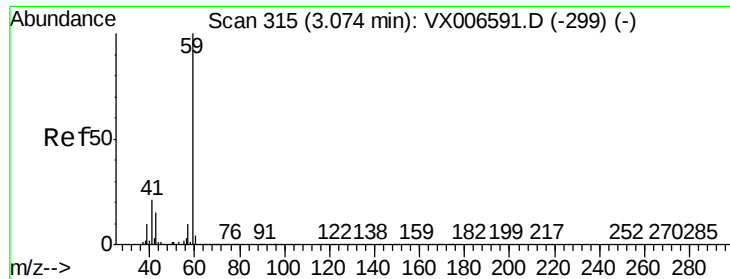
Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion:	142	Resp:	162011
Ion Ratio	Lower	Upper	
142	100		
127	44.1	33.9	50.9
141	14.5	11.4	17.0





#11

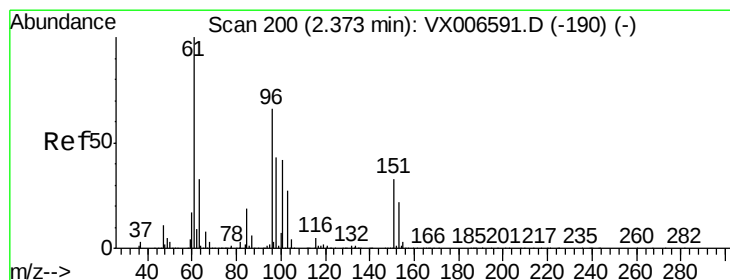
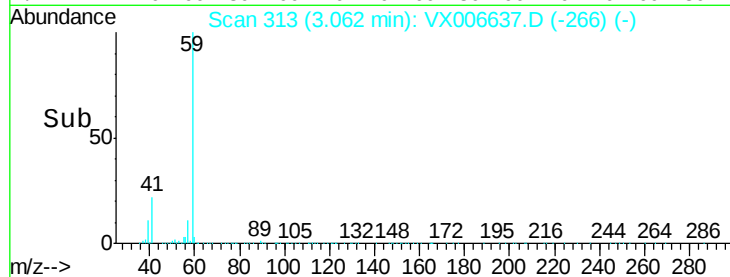
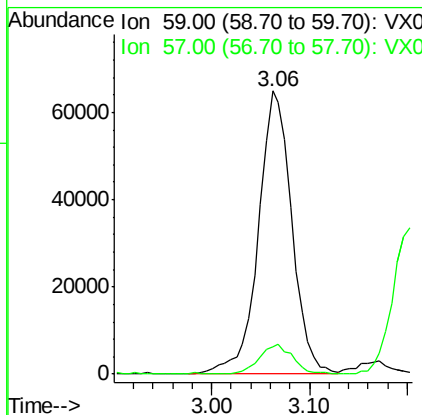
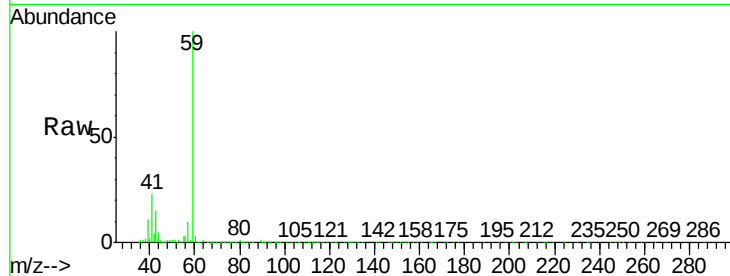
Tert butyl alcohol
Concen: 107.506 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

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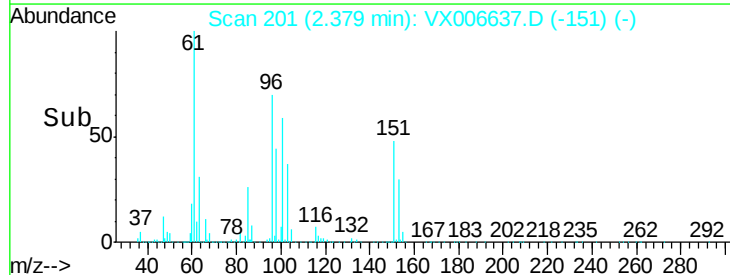
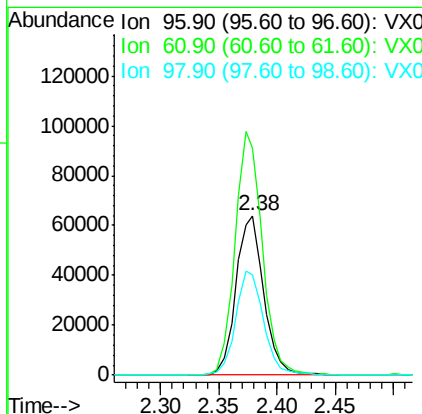
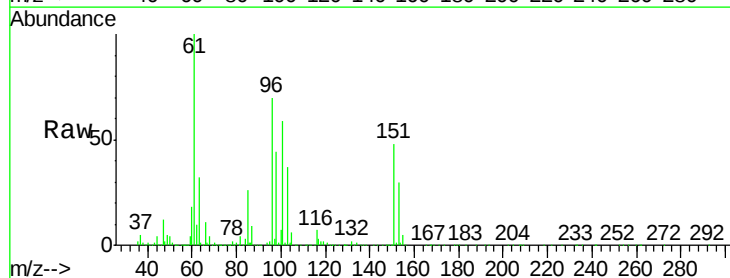
MMDadoda
12/20/2018 10:00:22 AM

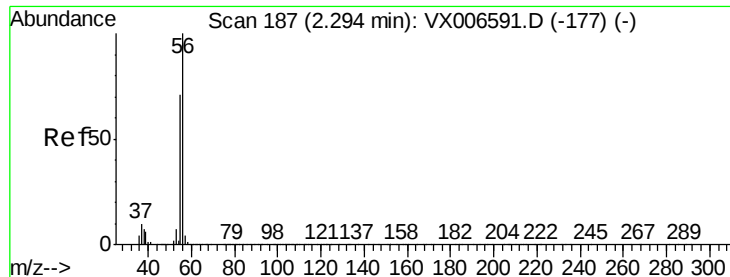


#12

1,1-Dichloroethene
Concen: 19.986 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.3	121.4	182.2
98	62.8	51.9	77.9





#13

Acrolein

Concen: 87.549 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 56 Resp: 84018

Ion Ratio Lower Upper

56 100

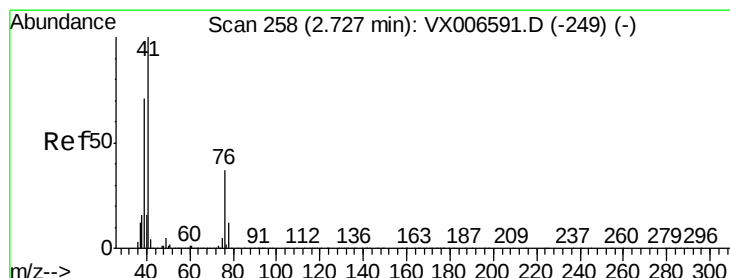
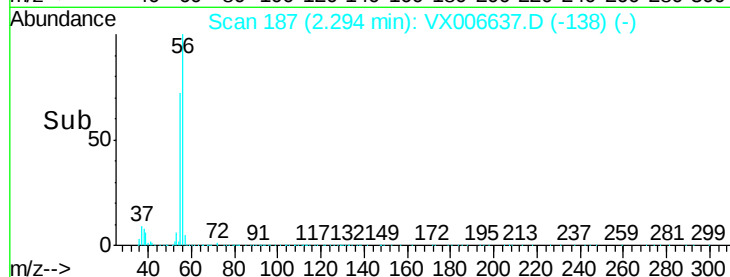
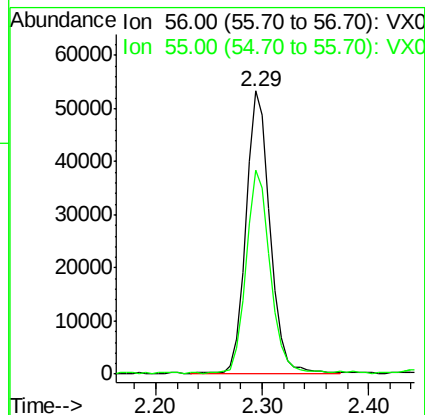
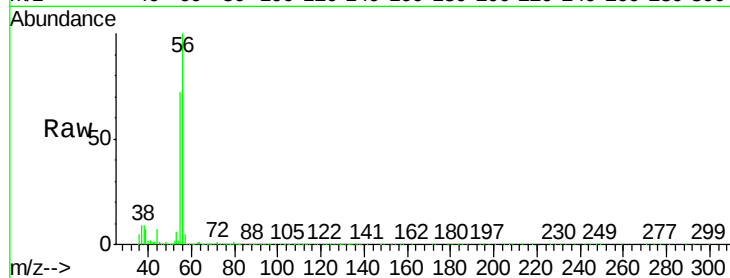
55 72.2 58.2 87.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.749 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

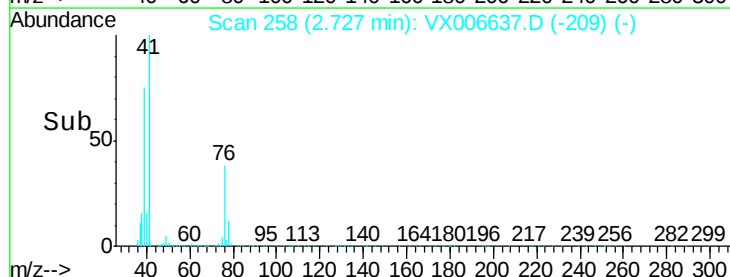
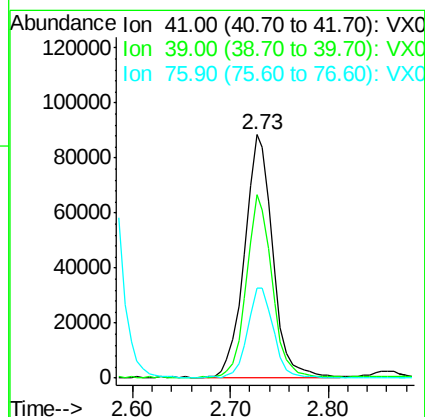
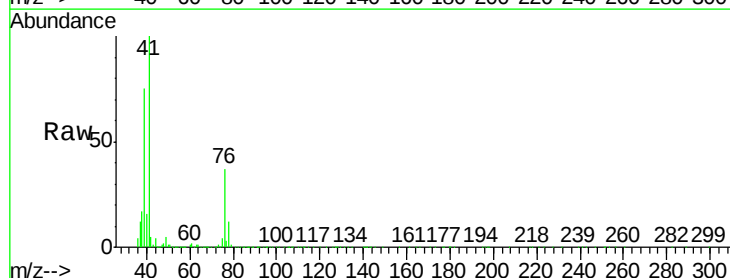
Tgt Ion: 41 Resp: 175668

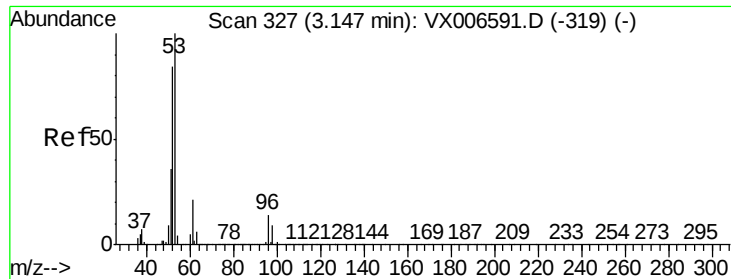
Ion Ratio Lower Upper

41 100

39 68.3 53.6 80.4

76 34.1 27.4 41.2





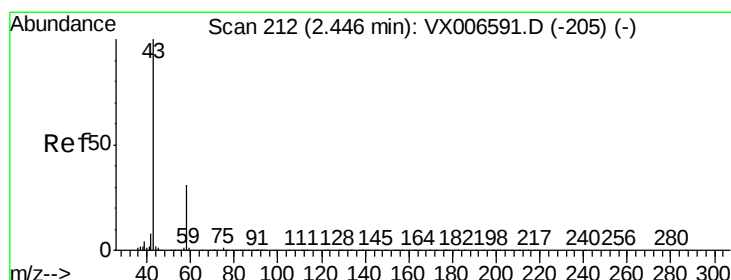
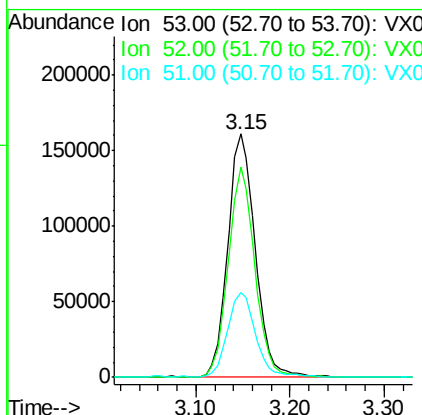
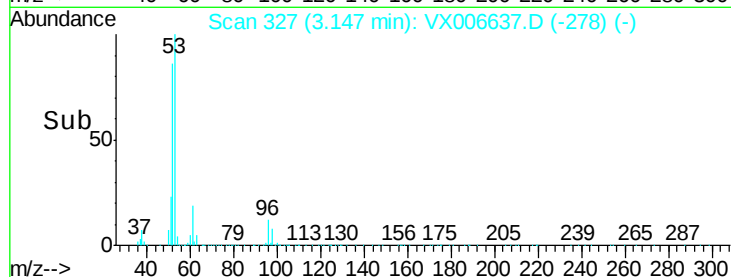
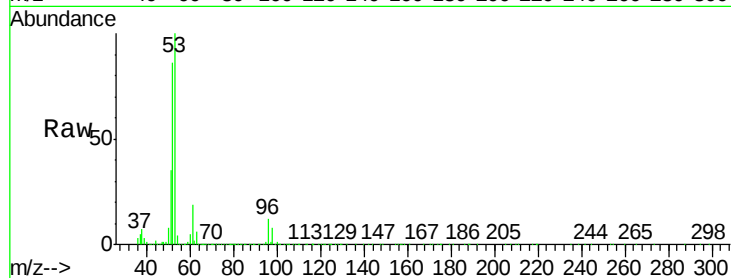
#15
 Acrylonitrile
 Concen: 102.585 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Tot Ion:	53	Resp:	324018
Ion Ratio		Lower	Upper
53	100		
52	84.0	66.0	99.0
51	35.6	28.6	42.8

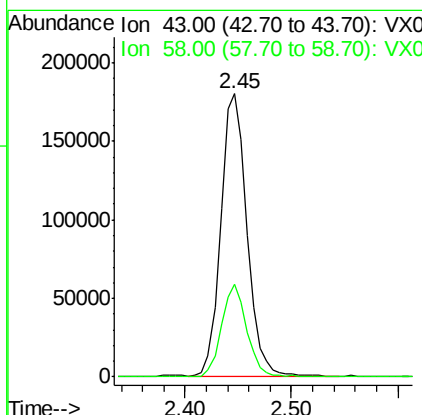
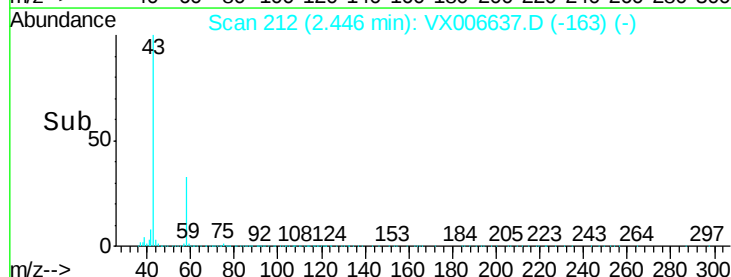
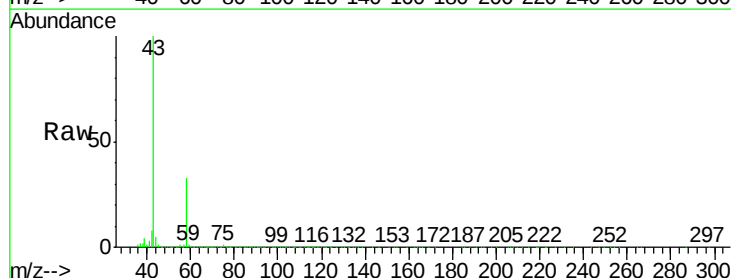
Manual Integrations
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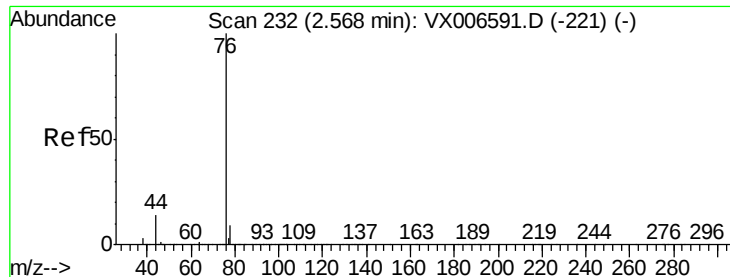
MMDadoda
 12/20/2018 10:00:22 AM



#16
 Acetone
 Concen: 104.673 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Tgt Ion:	43	Resp:	306540
Ion Ratio		Lower	Upper
43	100		
58	32.7	25.0	37.6





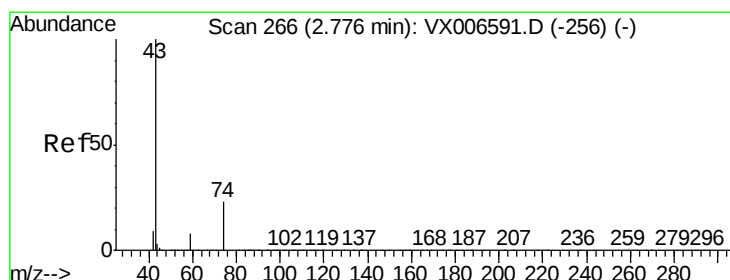
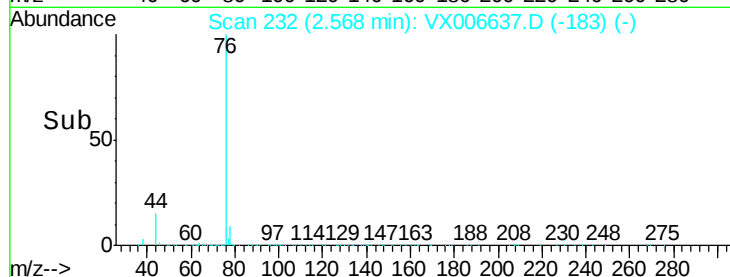
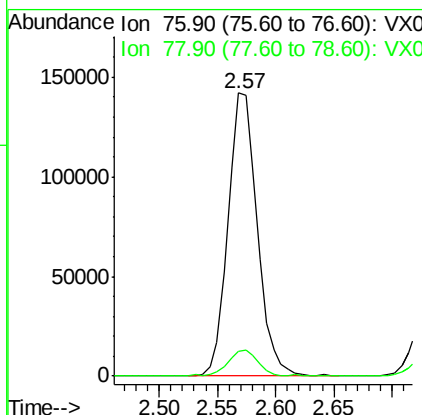
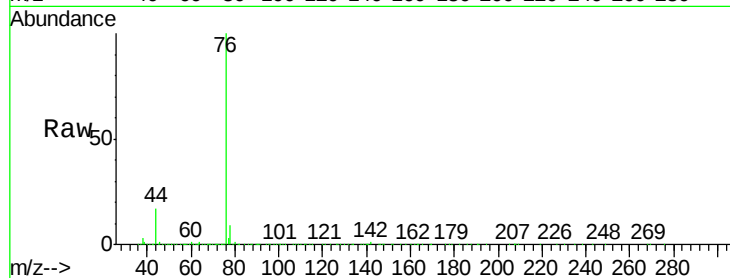
#17
Carbon Disulfide
Concen: 17.767 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

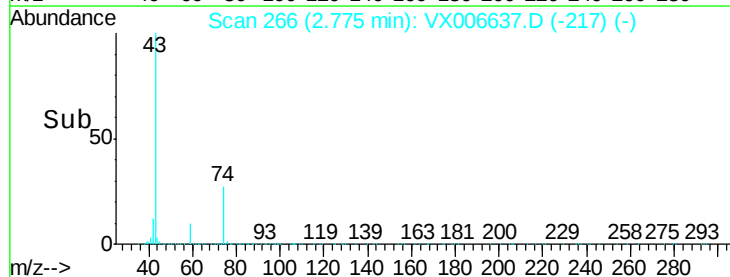
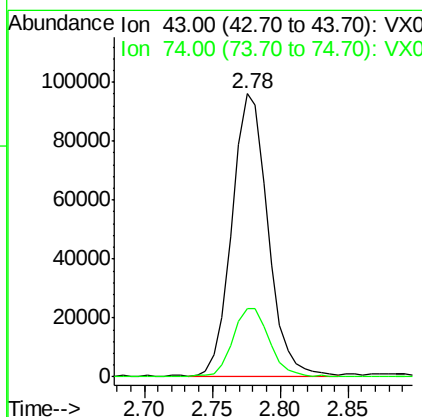
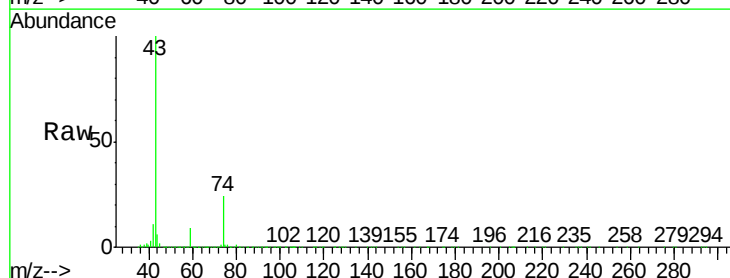
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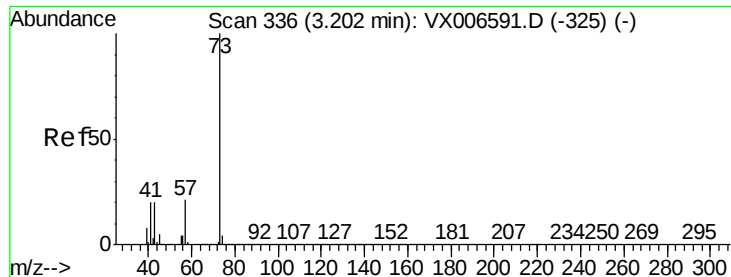
MMDadoda
12/20/2018 10:00:22 AM



#18
Methyl Acetate
Concen: 20.479 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.6	28.0





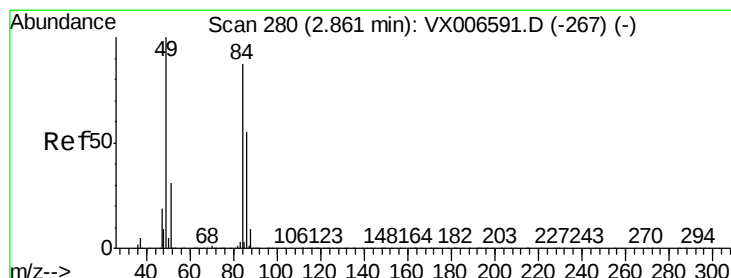
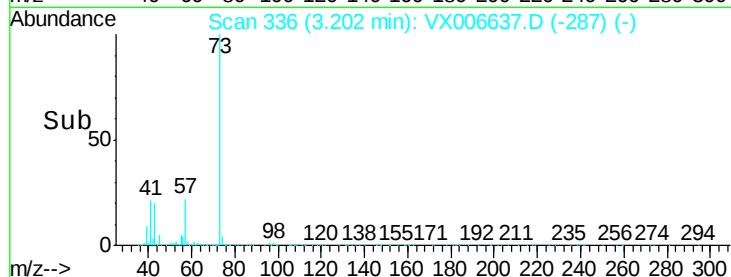
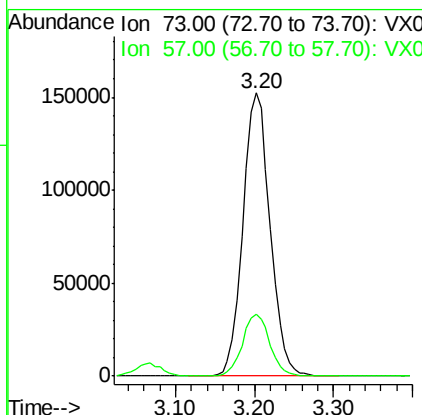
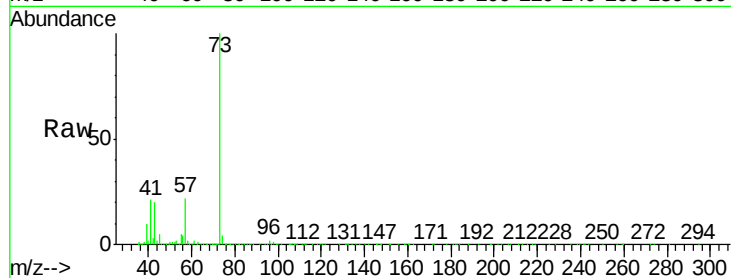
#19
Methvl tert-butvl Ether
Concen: 20.762 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	16.8	25.2

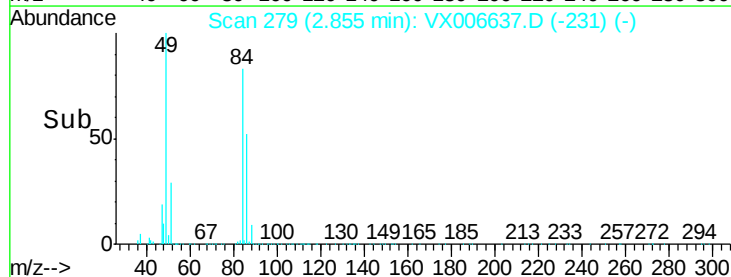
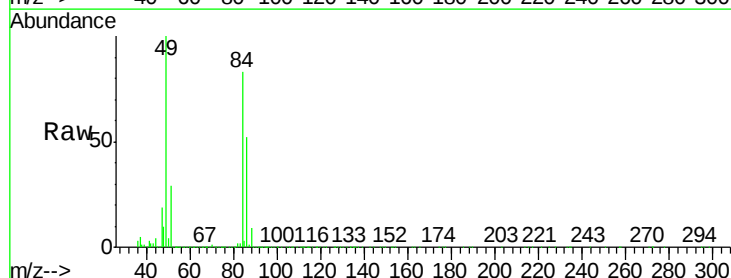
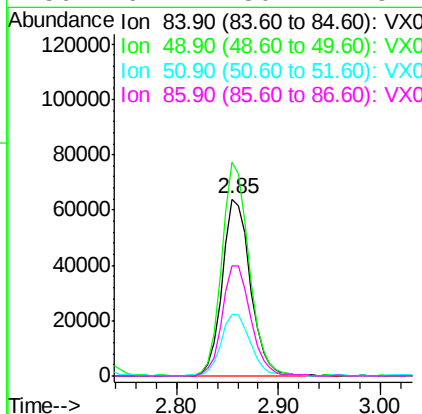
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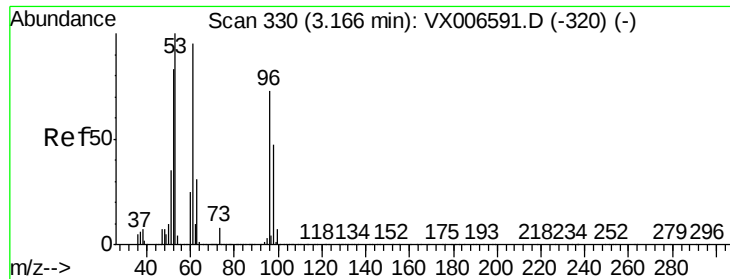
MMDadoda
12/20/2018 10:00:22 AM



#20
Methylene Chloride
Concen: 20.335 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.5	91.8	137.6
51	34.7	28.5	42.7
86	62.2	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 19.530 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

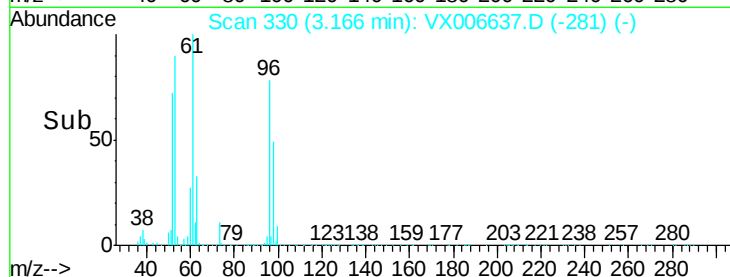
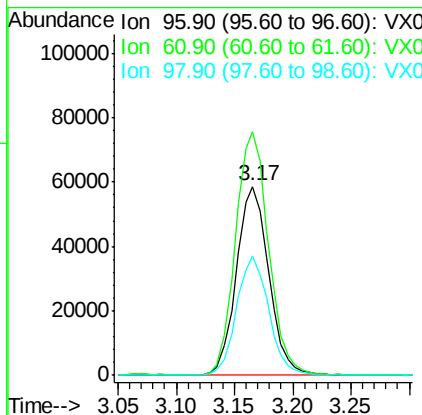
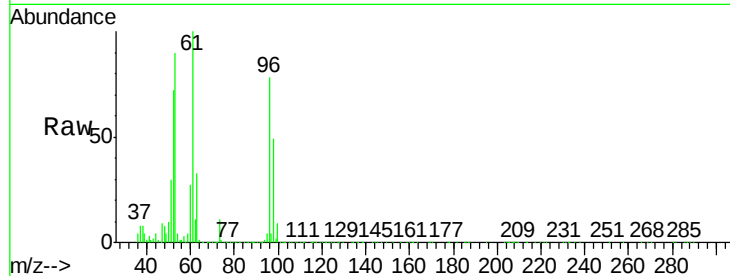
ClientSampleId :

VX1219WBS01

Tot Ion:	96	Resp:	114350
Ion	Ratio	Lower	Upper
96	100		
61	128.5	103.7	155.5
98	63.2	51.0	76.6

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#22

Diisopropyl ether

Concen: 20.674 ug/l

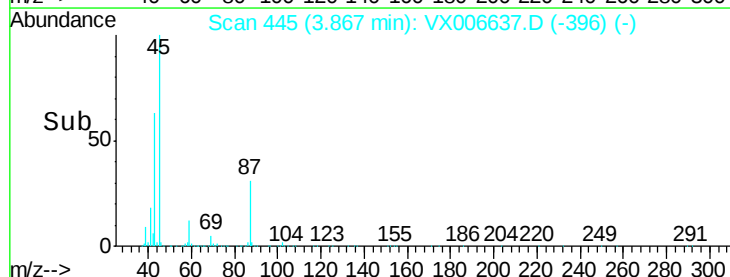
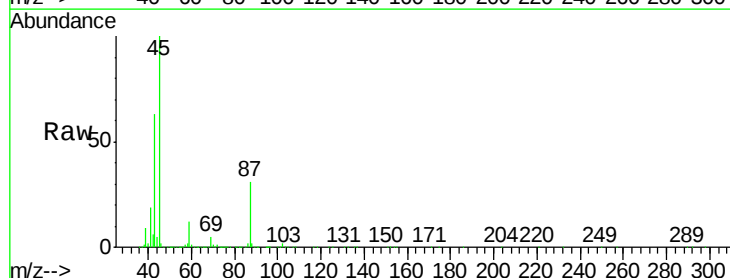
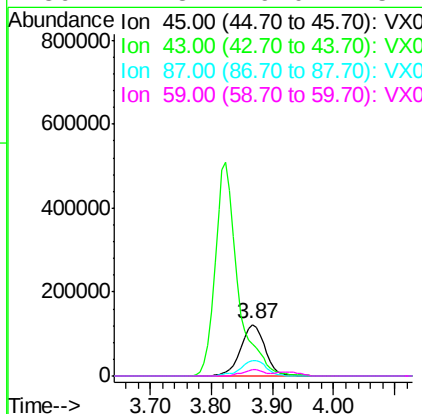
RT: 3.87 min Scan# 445

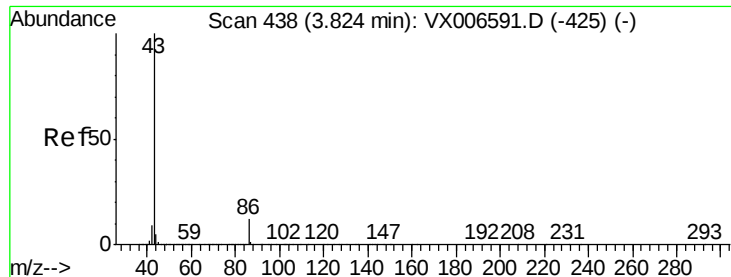
Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion:	45	Resp:	336419
Ion	Ratio	Lower	Upper
45	100		
43	62.5	51.2	76.8
87	31.2	25.8	38.6
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 99.197 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 43 Resp: 1320357

Ion Ratio Lower Upper

43 100

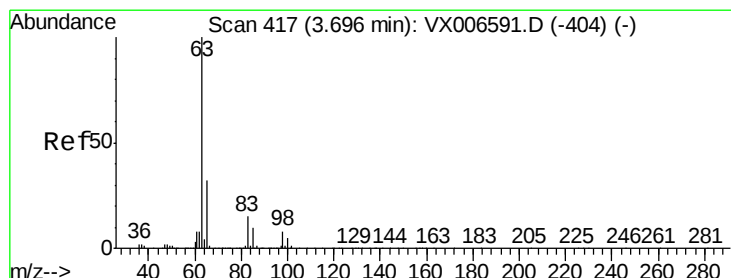
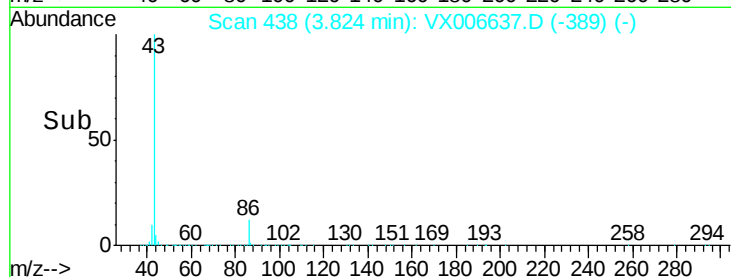
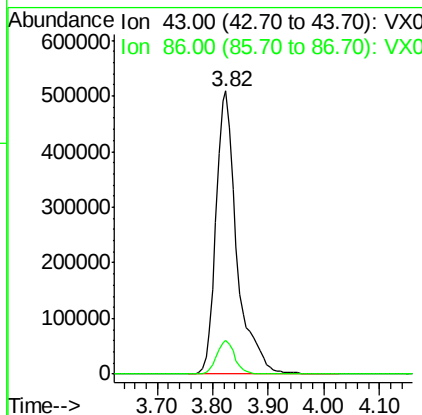
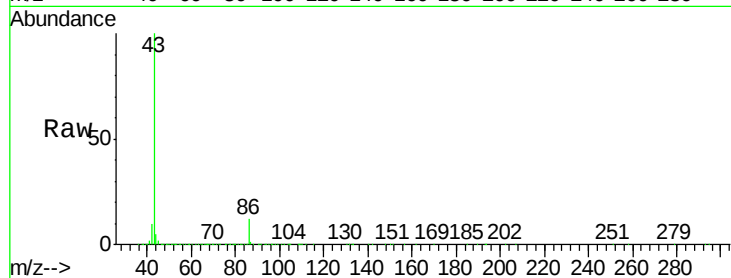
86 12.0 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.989 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

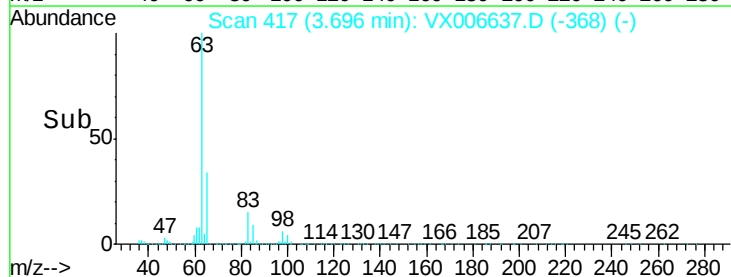
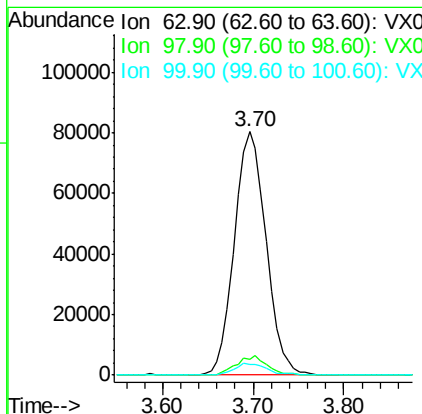
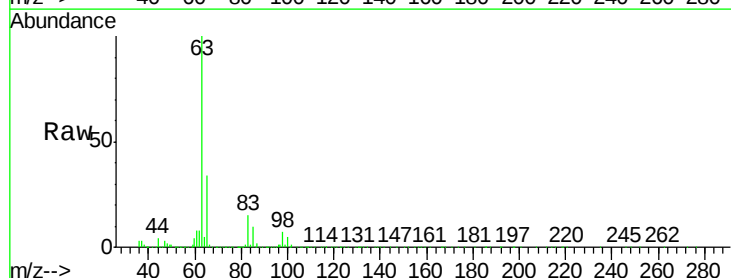
Tgt Ion: 63 Resp: 194174

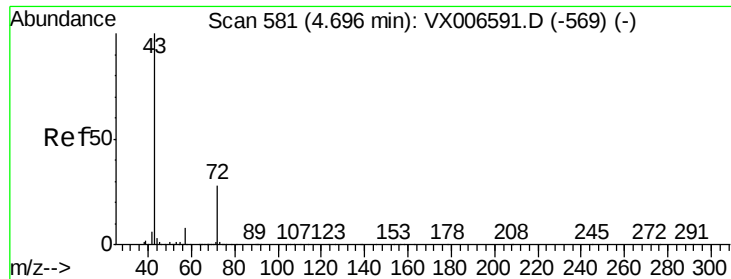
Ion Ratio Lower Upper

63 100

98 6.5 3.9 11.5

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 101.760 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 43 Resp: 419186

Ion Ratio Lower Upper

43 100

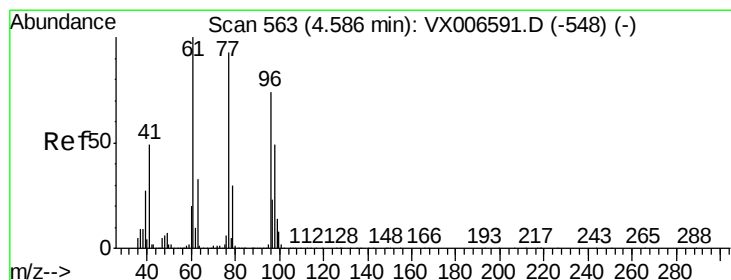
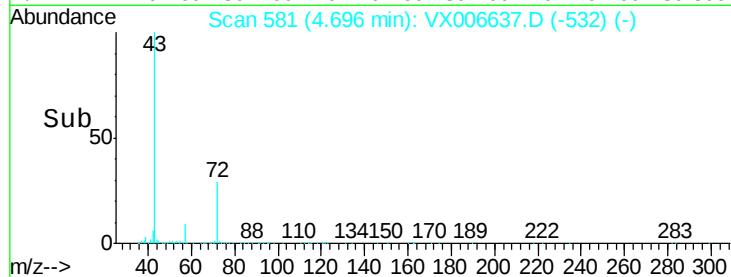
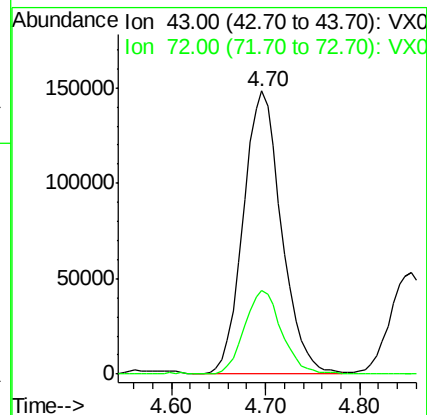
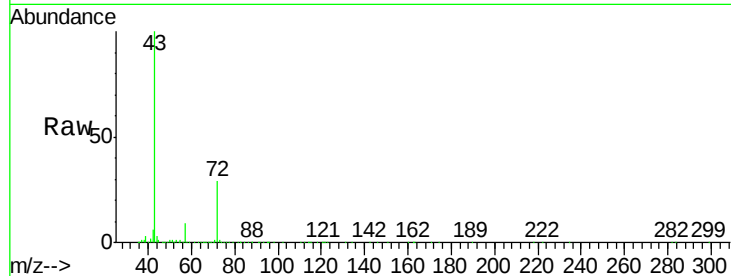
72 29.2 22.4 33.6

Manual Integrations

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MMDadoda

12/20/2018 10:00:22 AM



#26

2,2-Dichloropropane

Concen: 18.693 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006637.D

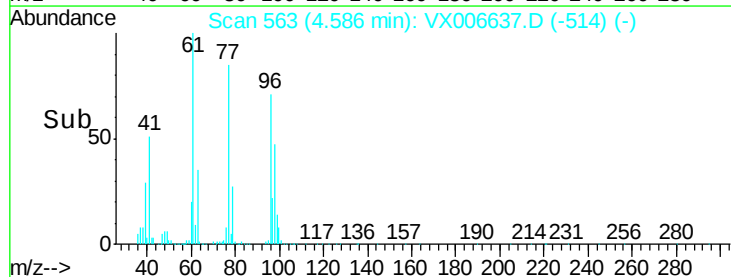
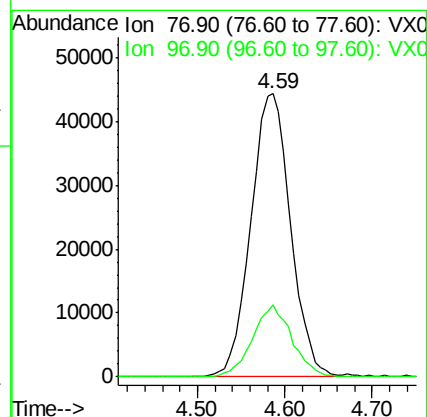
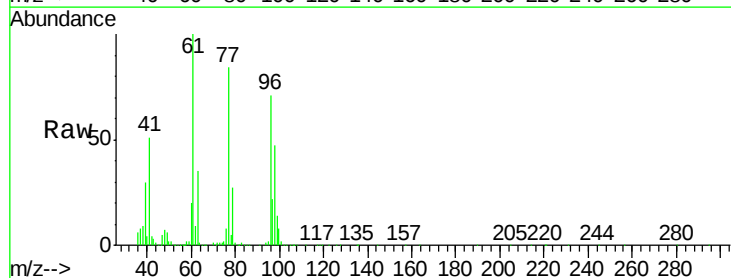
Acq: 19 Dec 2018 15:24

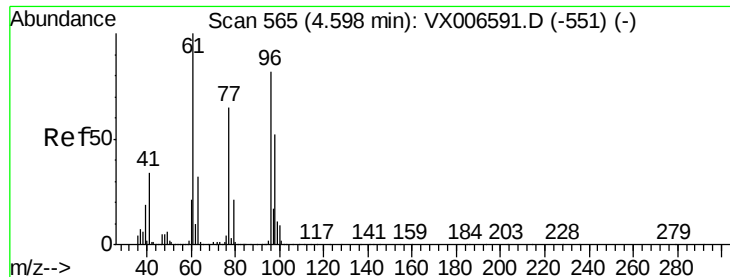
Tgt Ion: 77 Resp: 140269

Ion Ratio Lower Upper

77 100

97 25.2 12.4 37.4





#27

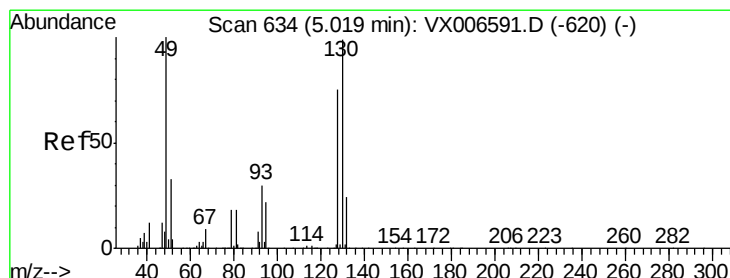
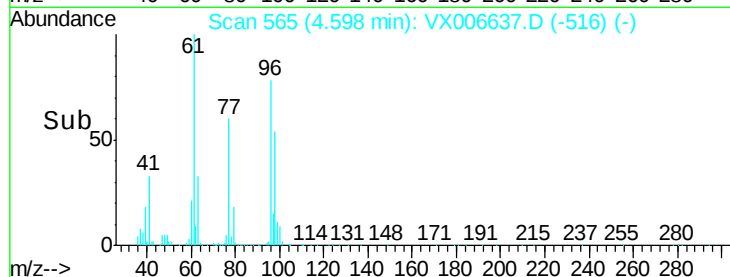
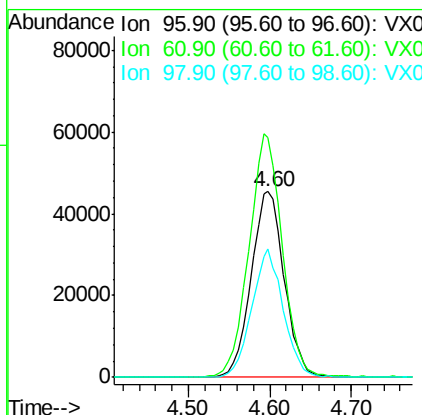
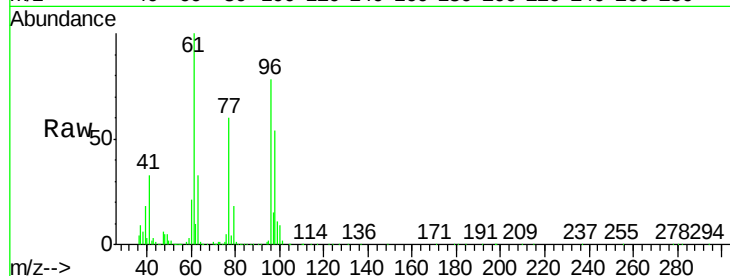
cis-1,2-Dichloroethene
Concen: 19.830 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	258.6
98	65.9	0.0	132.0

Manual Integrations
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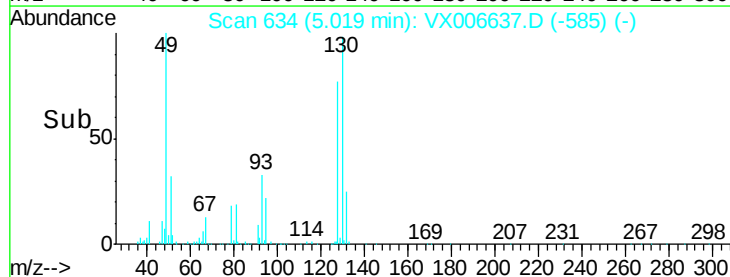
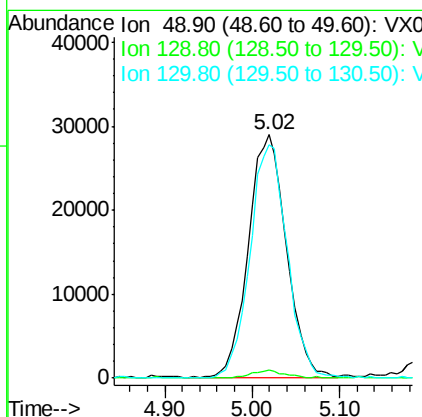
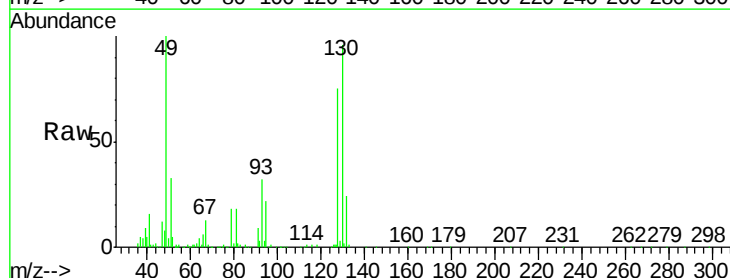
MMDadoda
12/20/2018 10:00:22 AM

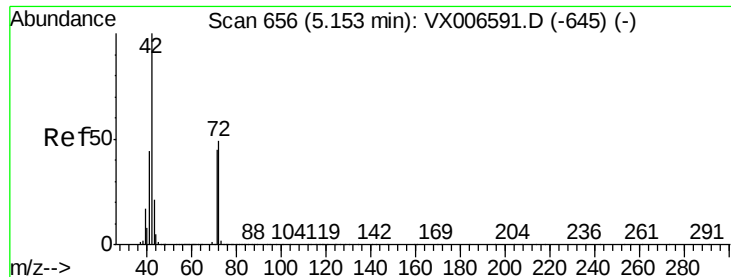


#28

Bromochloromethane
Concen: 20.116 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.4
130	95.0	77.7	116.5





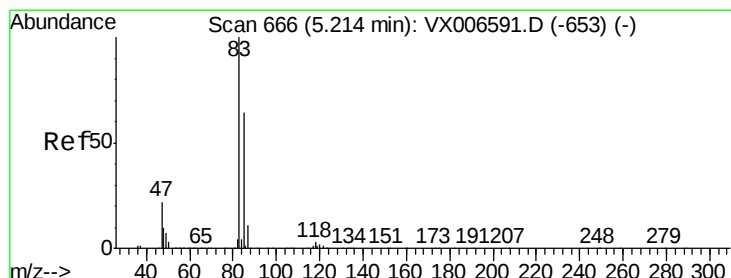
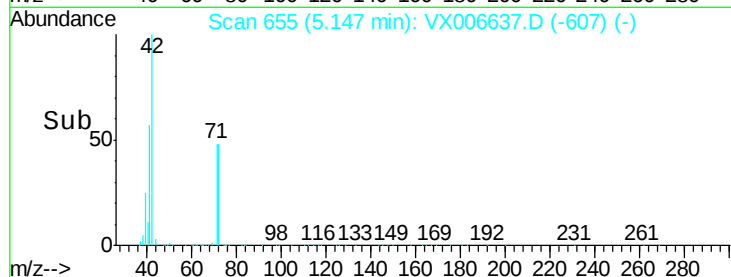
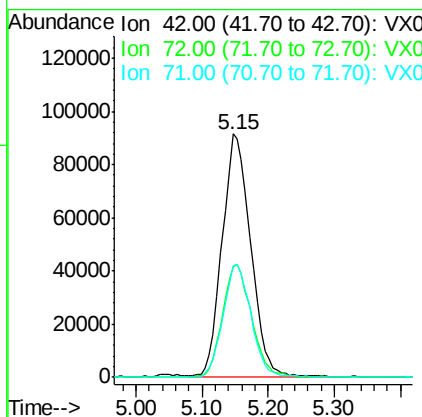
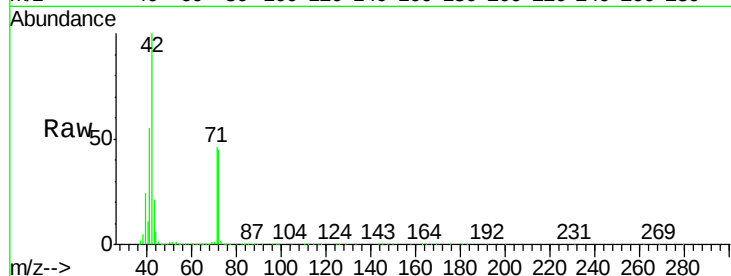
#29
Tetrahydrofuran
Concen: 100.778 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.9	58.3
71	45.7	36.2	54.4

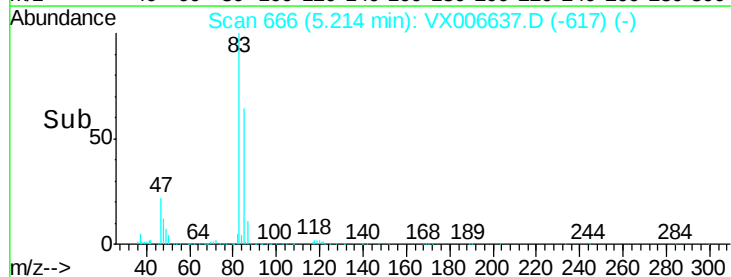
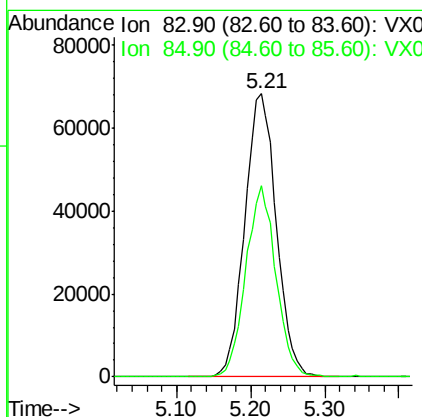
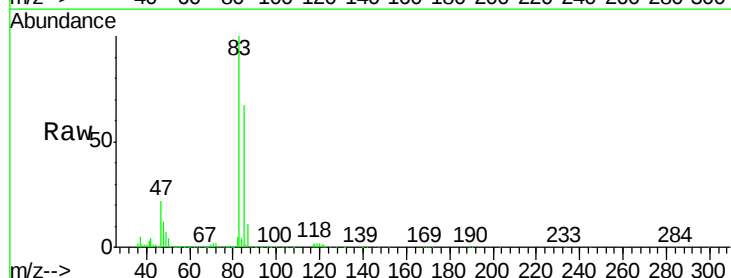
Manual Integrations
APPROVED

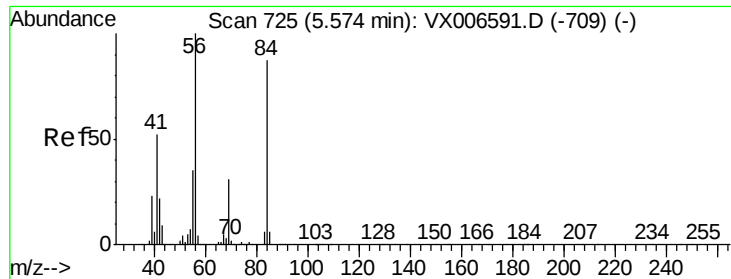
MMDadoda
12/20/2018 10:00:22 AM



#30
Chloroform
Concen: 20.202 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.2	76.8





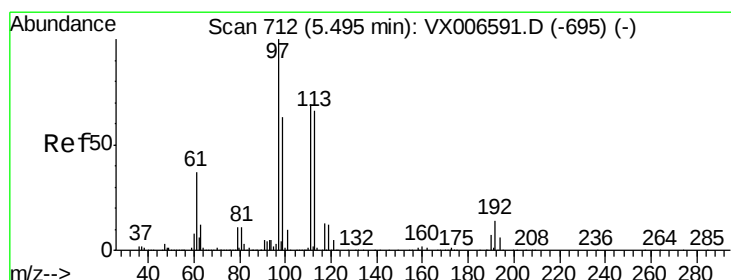
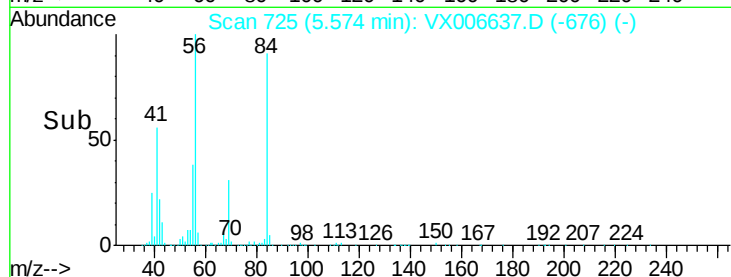
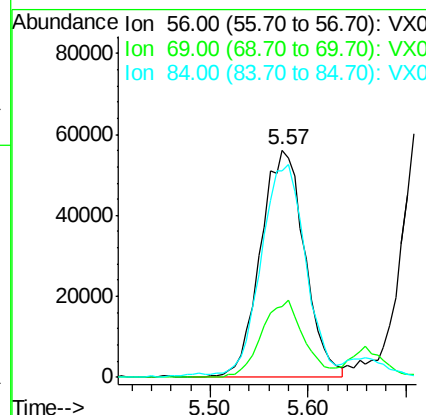
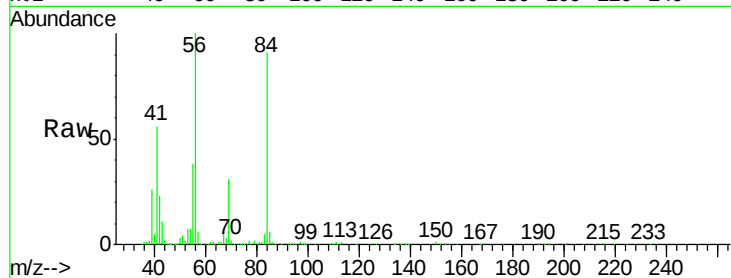
#31
Cyclohexane
Concen: 19.988 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.4	36.6
84	89.2	70.0	105.0

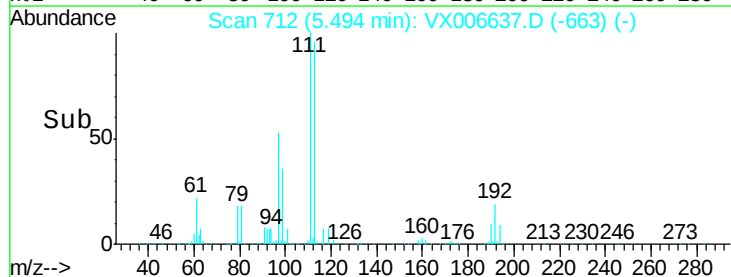
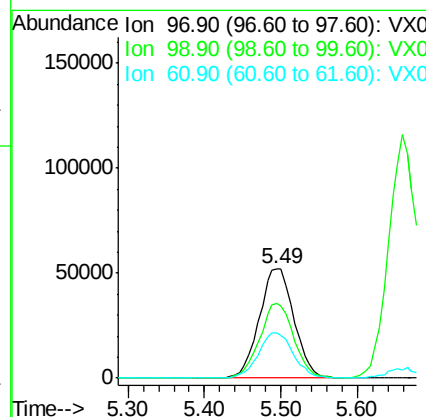
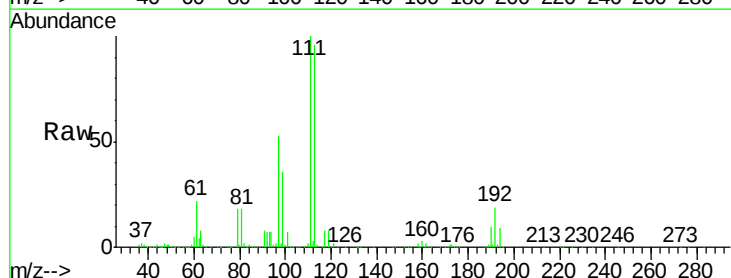
Manual Integrations
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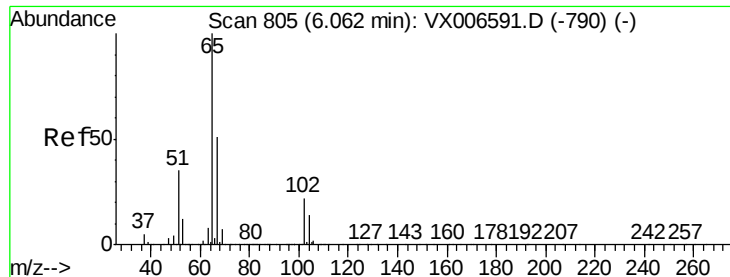
MMDadoda
12/20/2018 10:00:22 AM



#32
1,1,1-Trichloroethane
Concen: 19.471 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.0	51.7	77.5
61	41.6	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.523 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 65 Resp: 322048

Ion Ratio Lower Upper

65 100

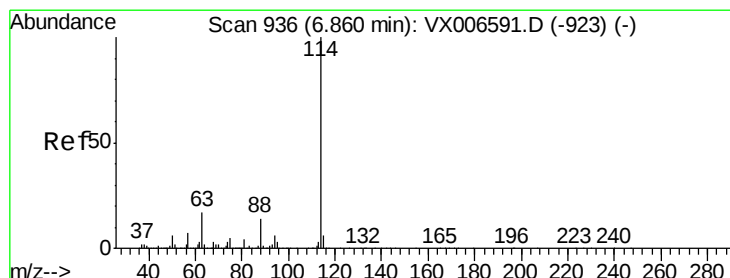
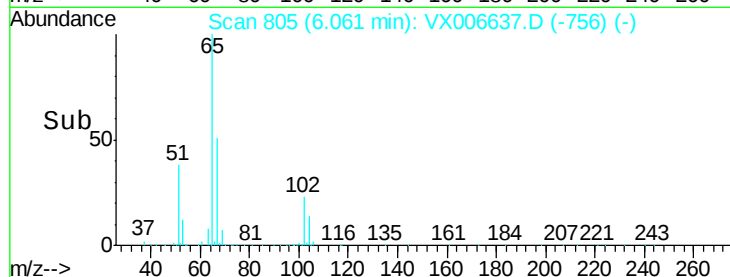
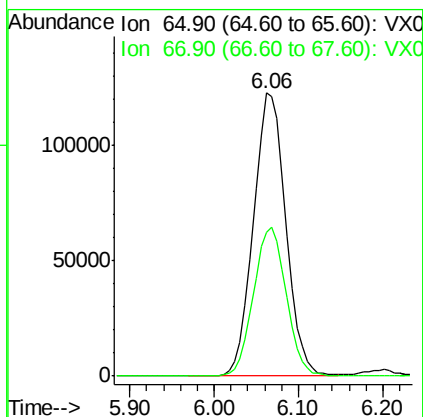
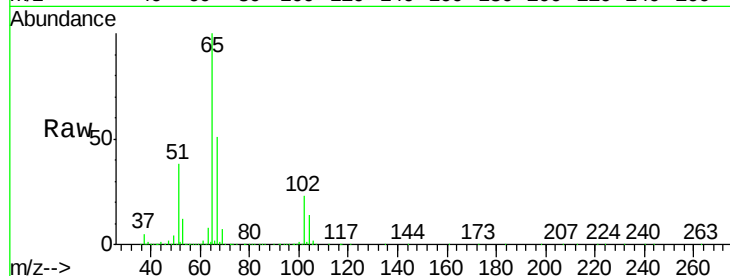
67 52.9 0.0 105.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

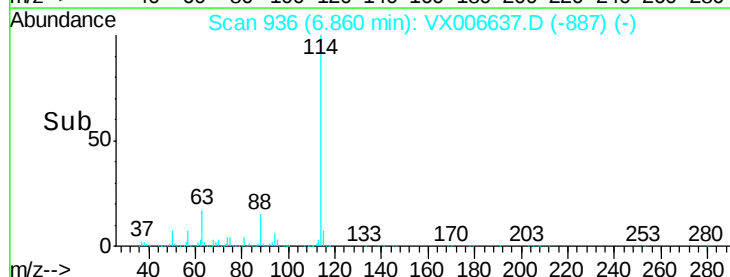
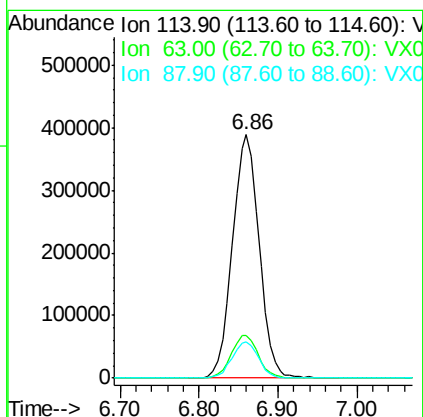
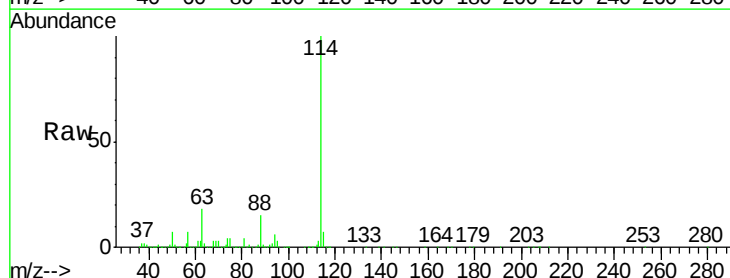
Tgt Ion: 114 Resp: 914082

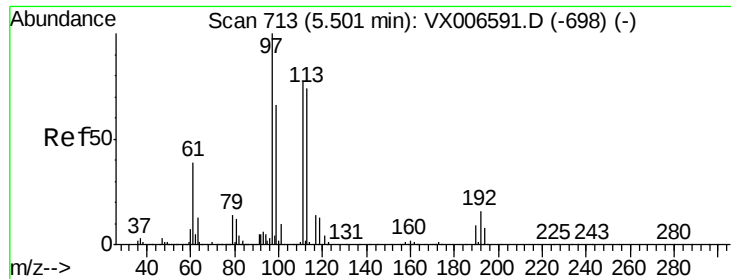
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.8

88 15.2 0.0 28.8





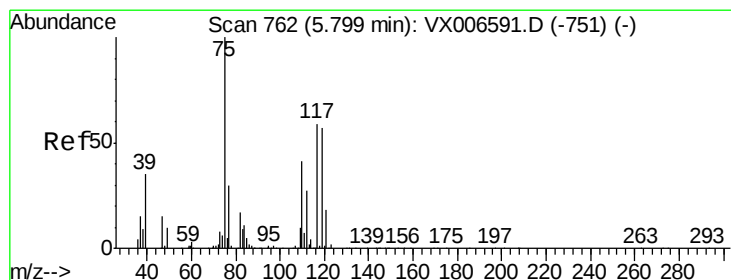
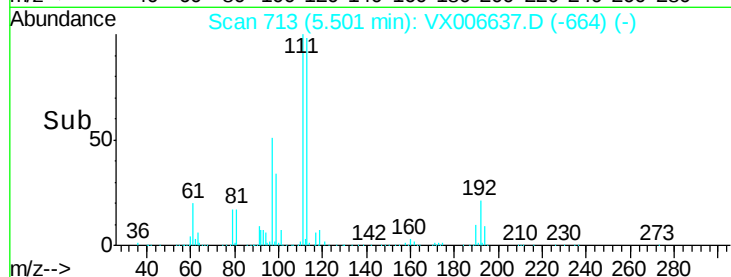
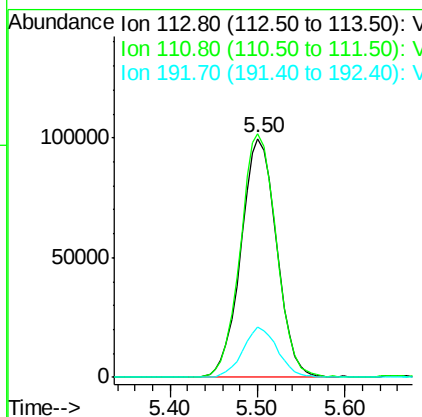
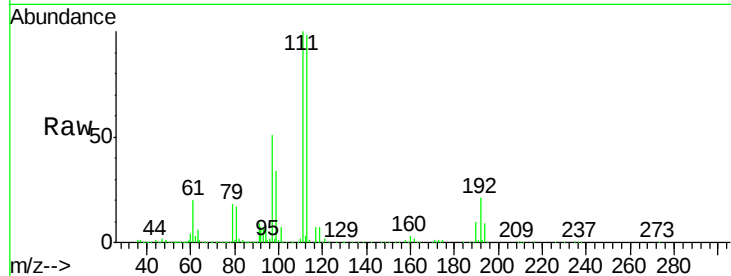
#35
 Dibromofluoromethane
 Concen: 48.929 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	282834		
111	102.6	81.6	122.4	
192	20.4	16.7	25.1	

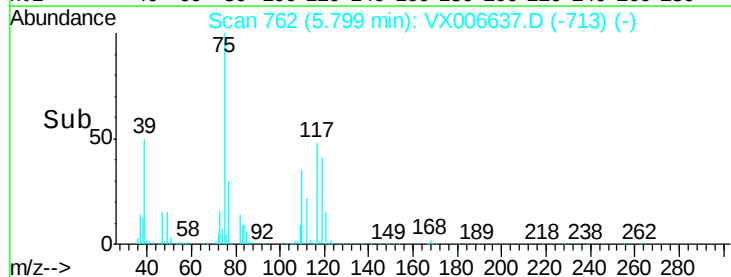
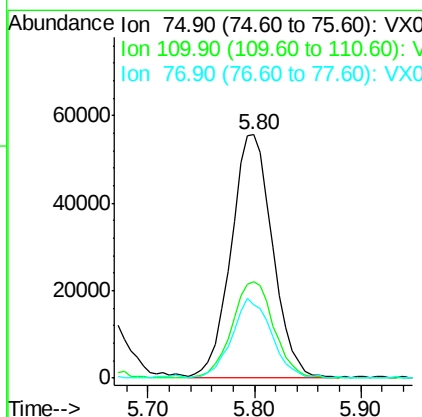
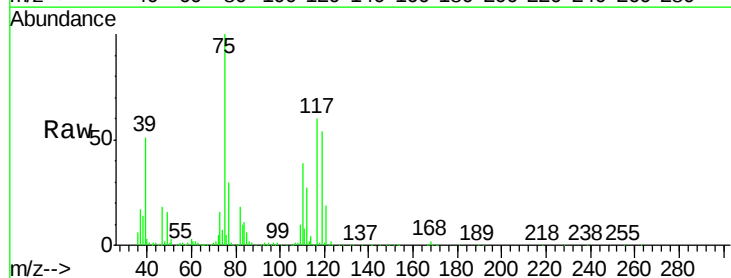
Manual Integrations
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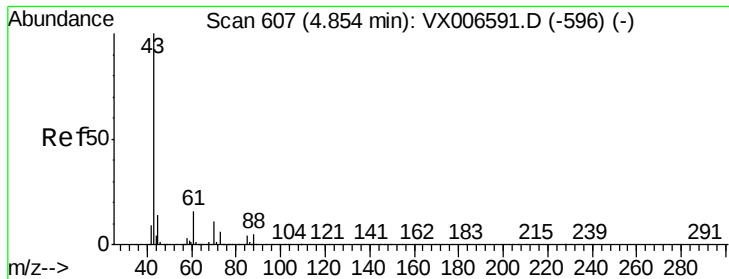
MMDadoda
 12/20/2018 10:00:22 AM



#36
 1,1-Dichloropropene
 Concen: 19.996 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	151387		
110	40.4	20.2	60.5	
77	31.0	24.8	37.2	





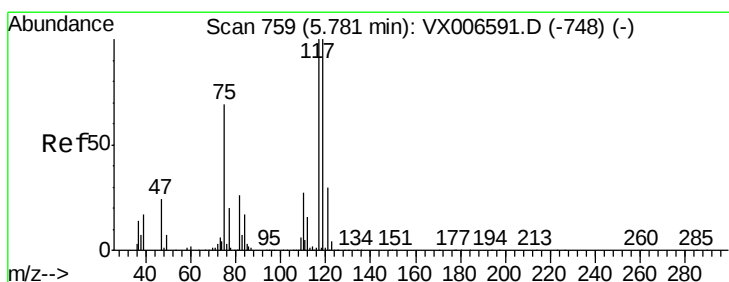
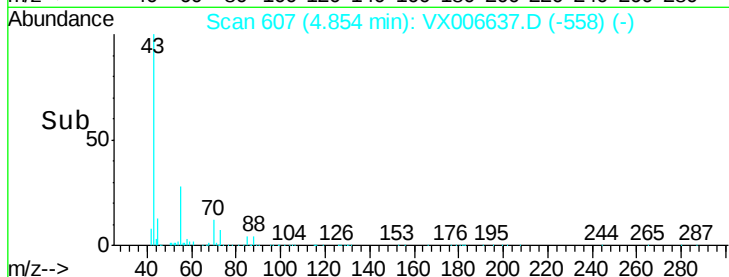
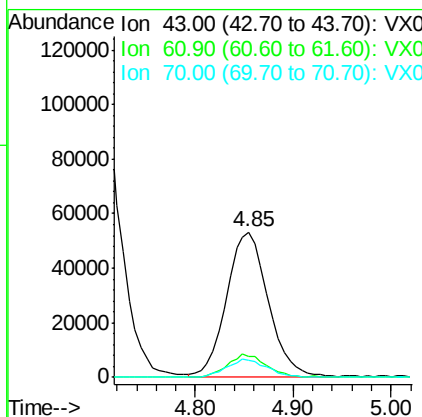
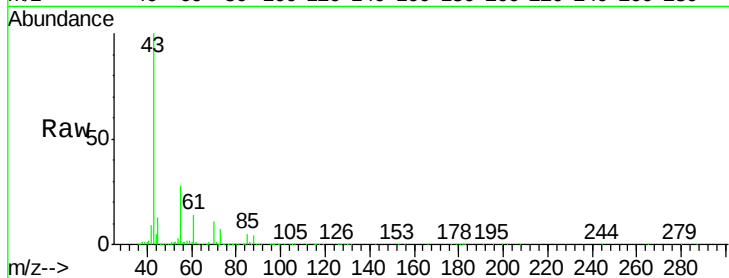
#37
Ethyl Acetate
Concen: 19.733 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.9	17.9
70	12.2	9.7	14.5

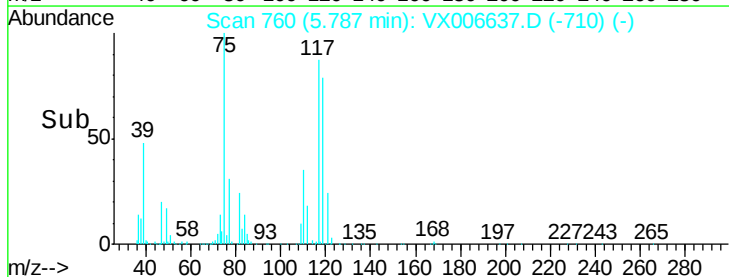
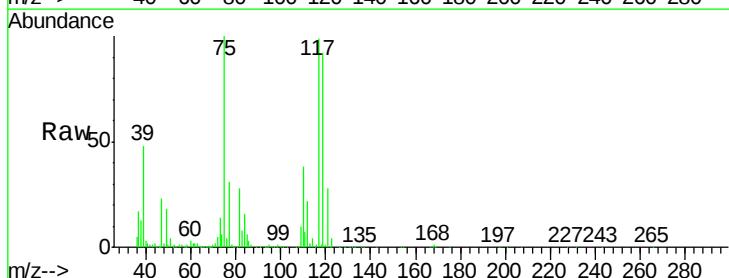
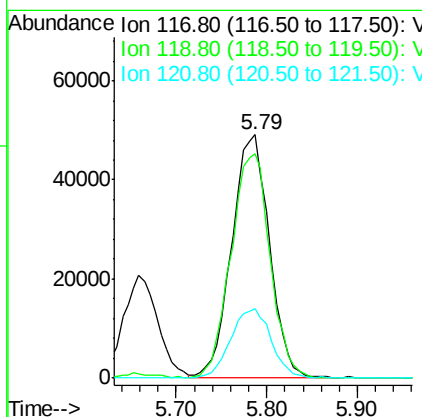
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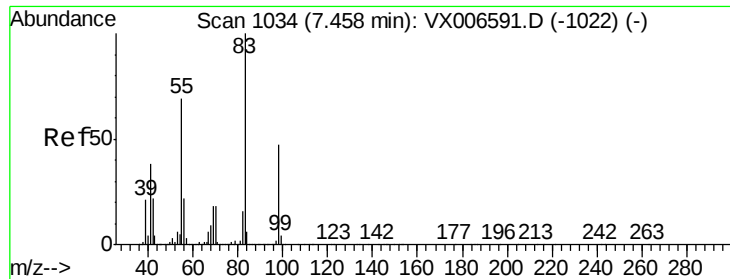
MMDadoda
12/20/2018 10:00:22 AM



#38
Carbon Tetrachloride
Concen: 19.255 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	79.4	119.2
121	28.5	24.0	36.0





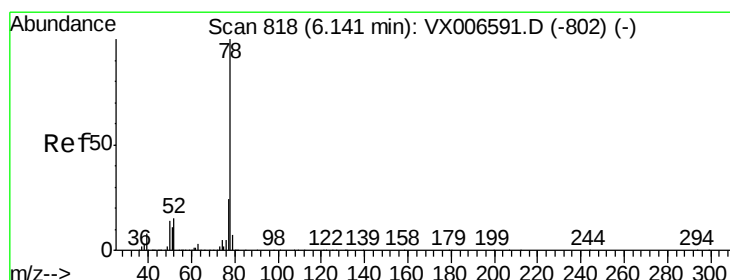
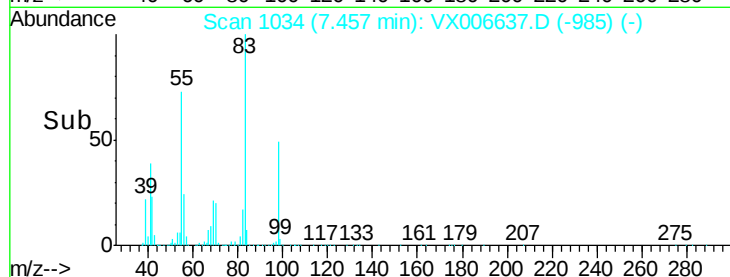
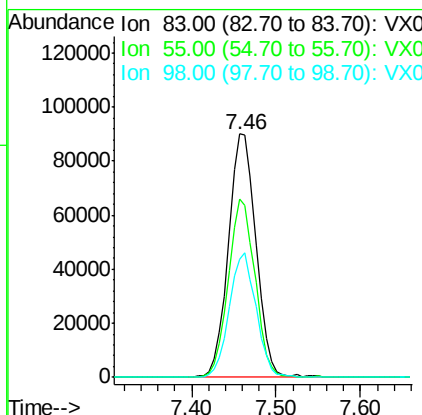
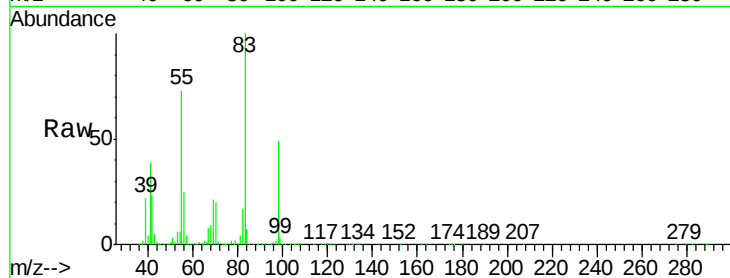
#39
Methvlcvclohexane
Concen: 20.165 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	54.9	82.3
98	48.6	37.9	56.9

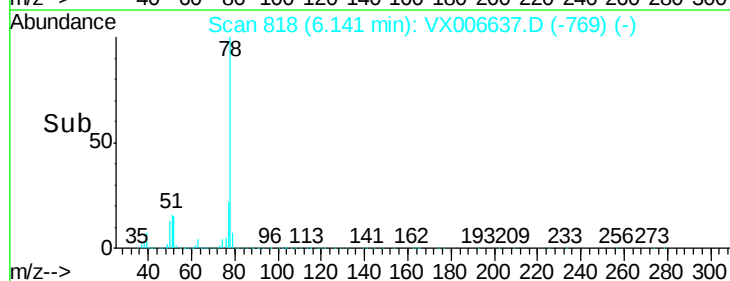
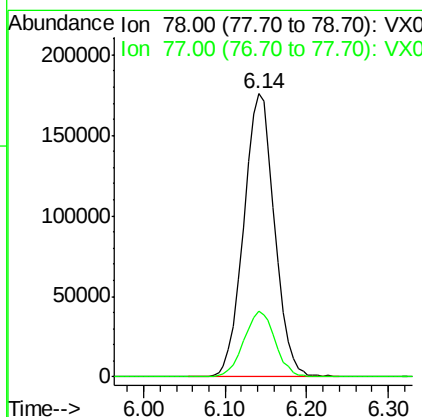
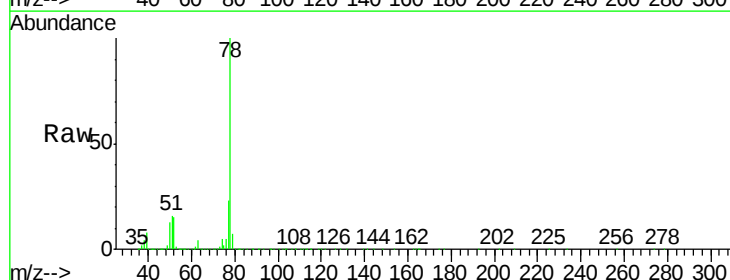
Manual Integrations
APPROVED

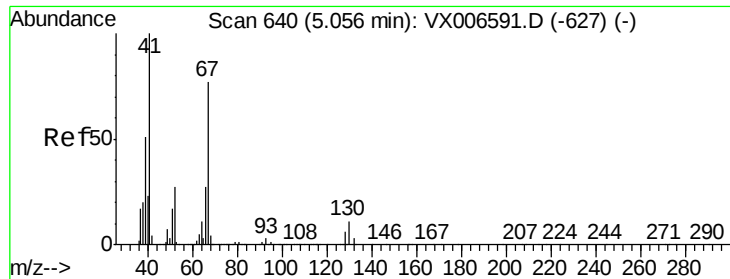
MMDadoda
12/20/2018 10:00:22 AM



#40
Benzene
Concen: 20.131 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





#41

Methacrylonitrile

Concen: 20.596 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

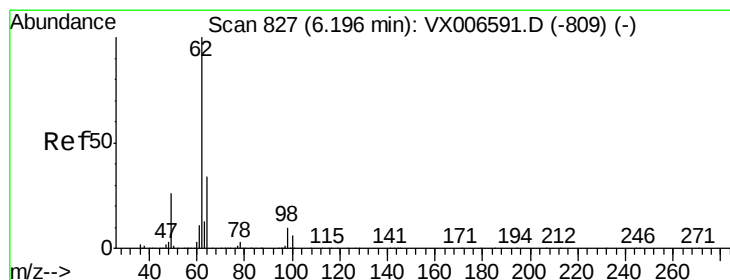
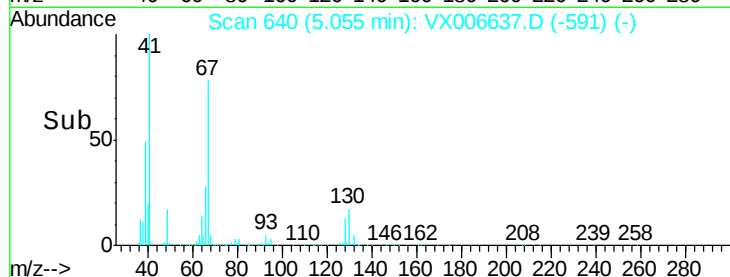
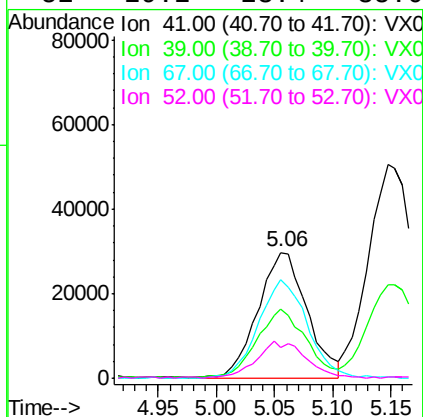
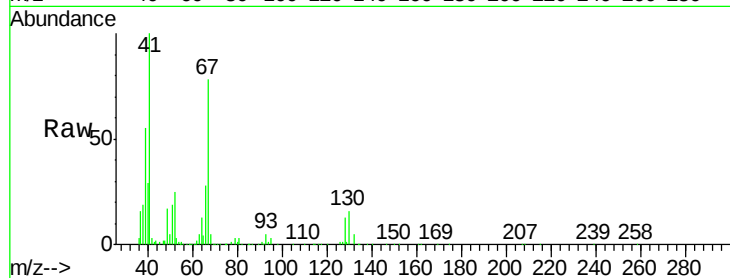
ClientSampleId :

VX1219WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.1	42.8	64.2
67	79.8	62.1	93.1
52	29.2	23.4	35.0

Manual Integrations
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MMDadoda
12/20/2018 10:00:22 AM



#42

1,2-Dichloroethane

Concen: 19.741 ug/l

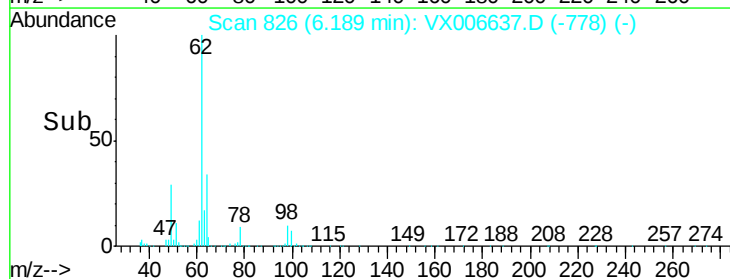
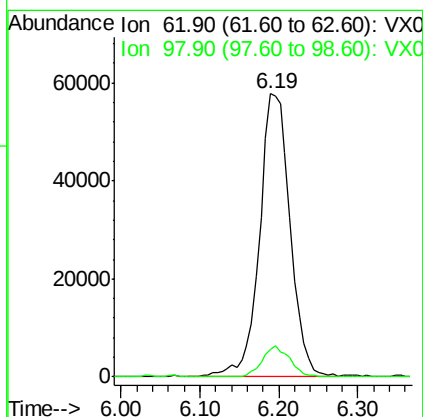
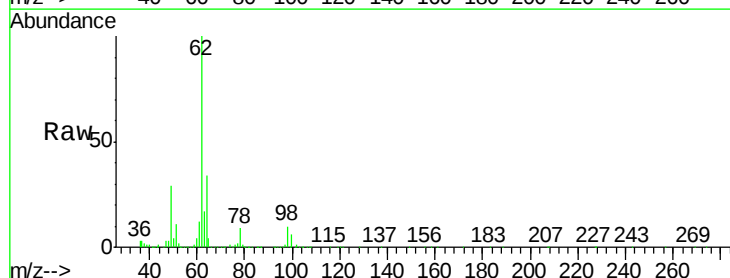
RT: 6.19 min Scan# 826

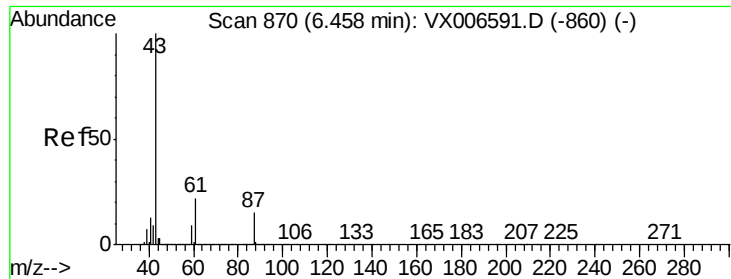
Delta R.T. -0.01 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.632 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

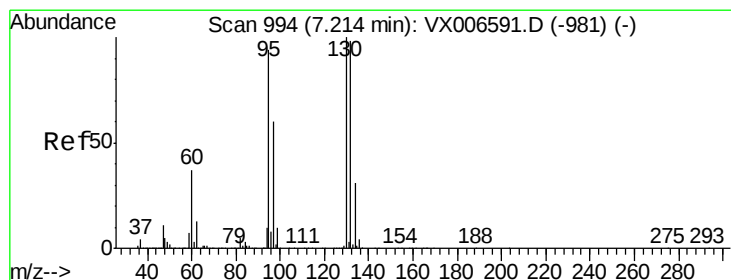
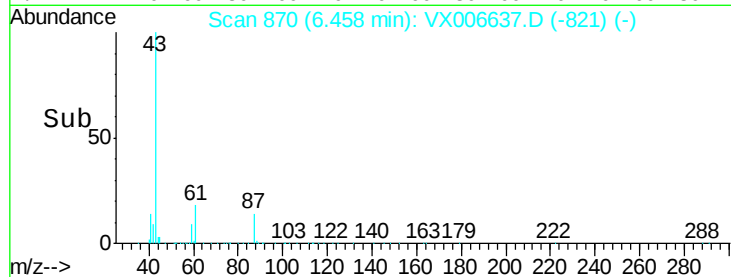
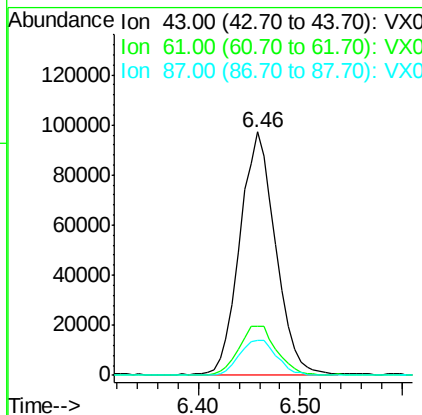
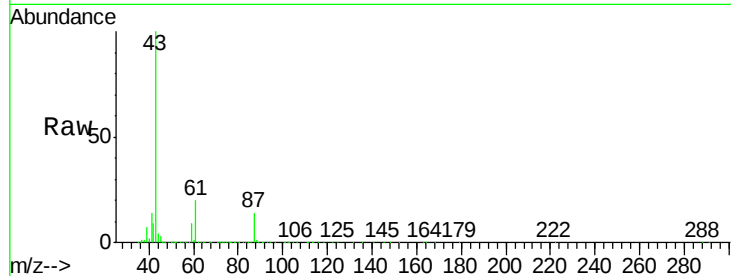
ClientSampleId :

VX1219WBS01

Tot Ion:	43	Resp:	235371
Ion	Ratio	Lower	Upper
43	100		
61	21.5	16.8	25.2
87	15.3	12.4	18.6

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#44

Trichloroethene

Concen: 19.458 ug/l

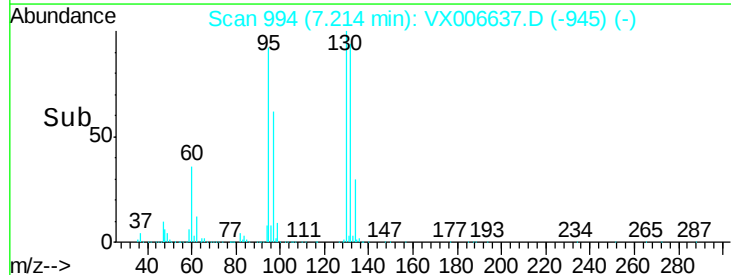
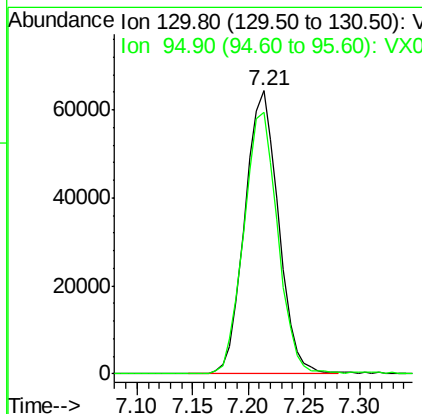
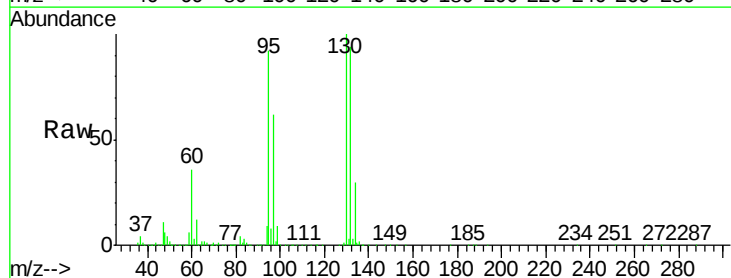
RT: 7.21 min Scan# 994

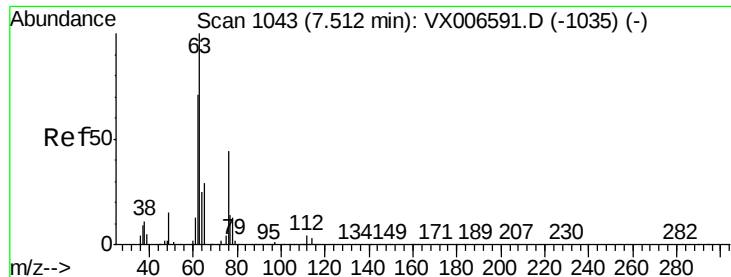
Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion:	130	Resp:	135526
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.114 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 63 Resp: 112638

Ion Ratio Lower Upper

63 100

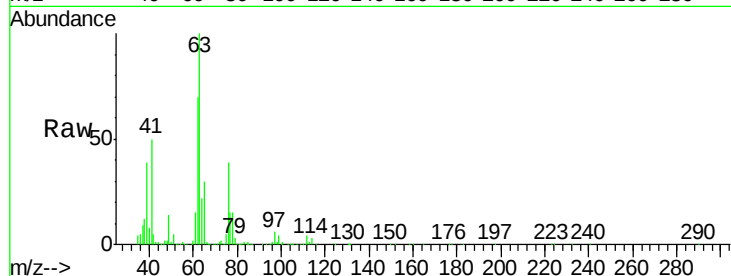
65 29.4 25.4 38.0

Manual Integrations

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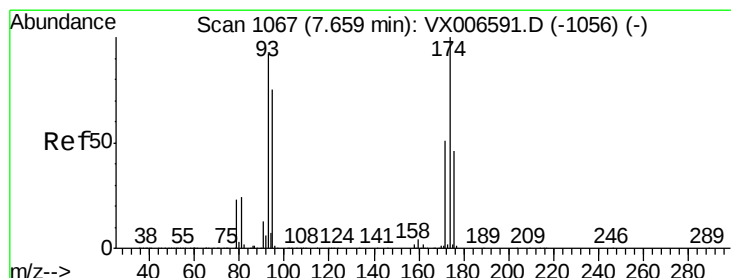
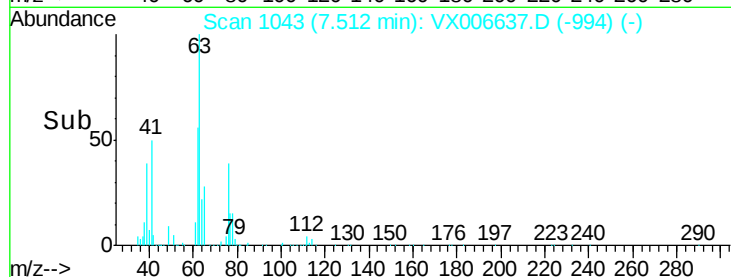
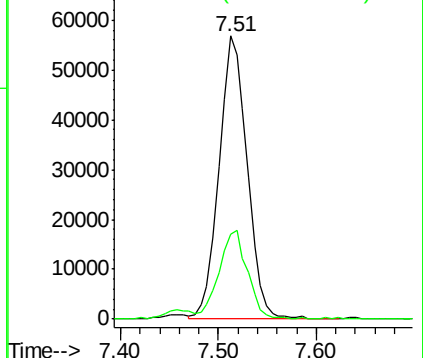
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.584 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

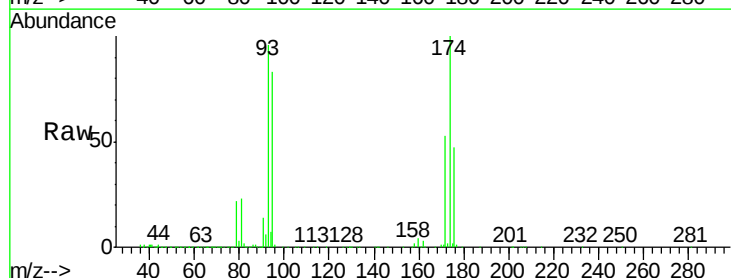
Tgt Ion: 93 Resp: 80668

Ion Ratio Lower Upper

93 100

95 85.5 66.2 99.4

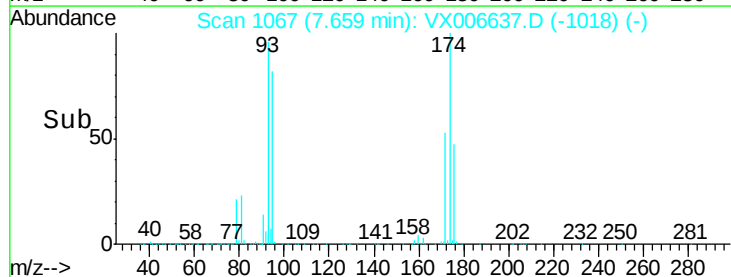
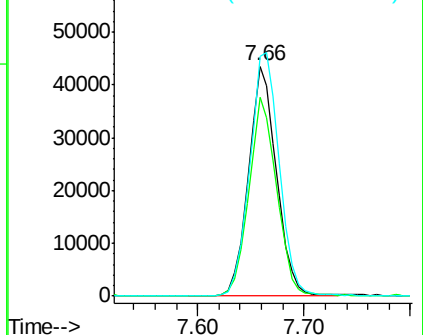
174 111.5 91.0 136.4

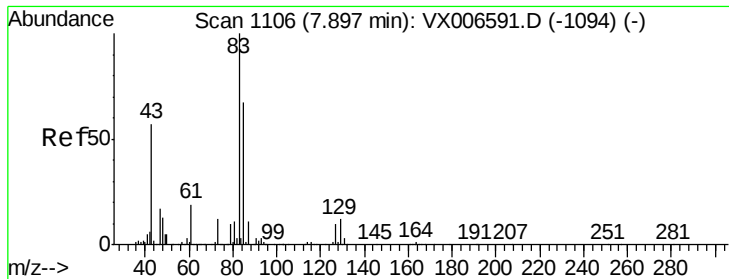


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.330 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

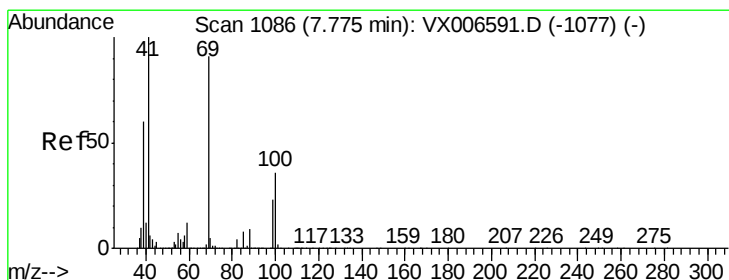
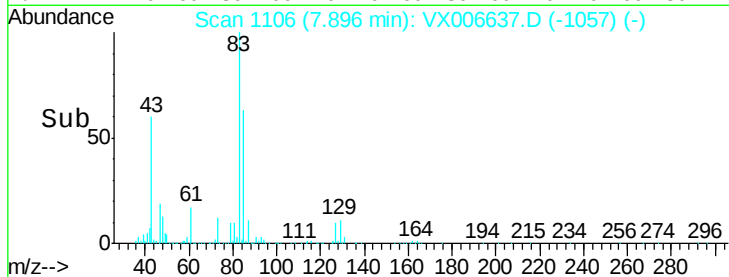
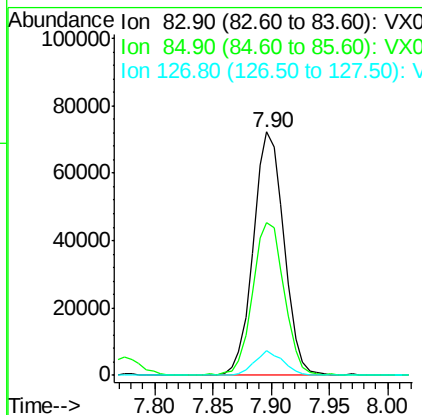
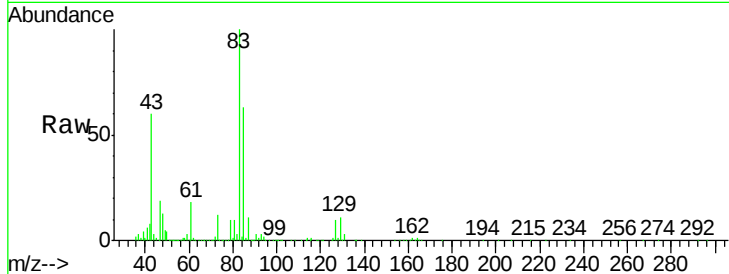
ClientSampleId :

VX1219WBS01

Tot Ion	83	Resp	132189
Ion Ratio	Lower	Upper	
83	100		
85	62.3	53.2	79.8
127	10.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.466 ug/l

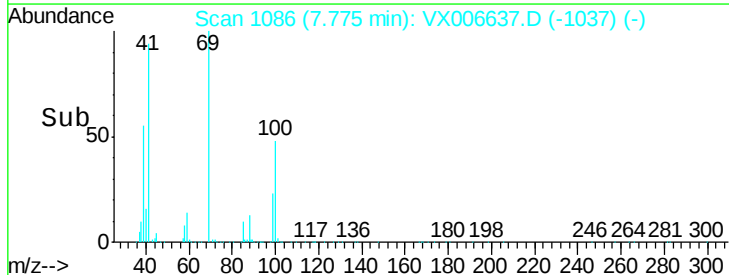
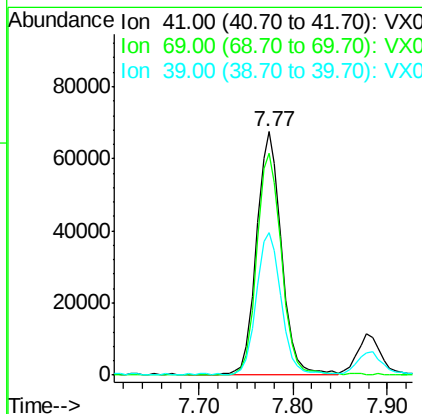
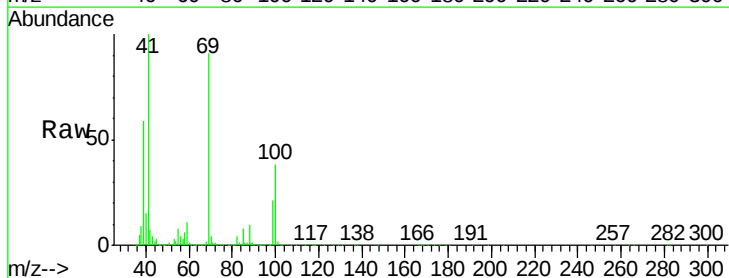
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion	41	Resp	124778
Ion Ratio	Lower	Upper	
41	100		
69	91.3	72.4	108.6
39	57.9	45.8	68.8





#49

1,4-Dioxane

Concen: 421.087 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

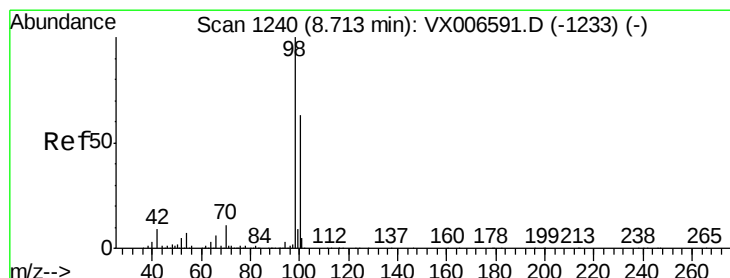
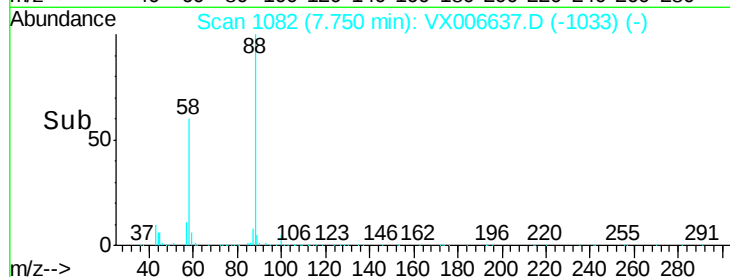
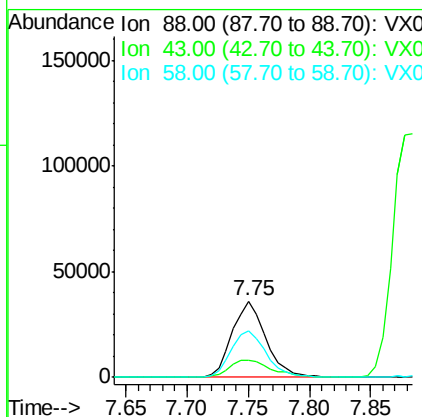
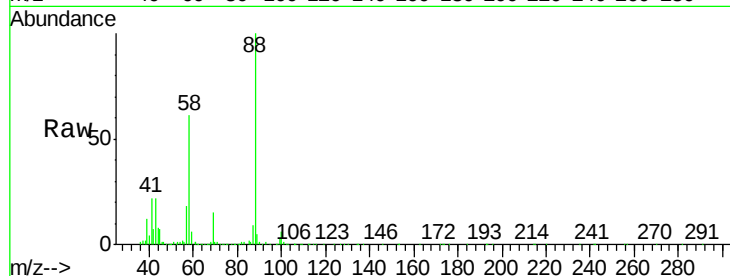
ClientSampleId :

VX1219WBS01

Tot Ion:	88	Resp:	69009
Ion	Ratio	Lower	Upper
88	100		
43	27.2	22.2	33.4
58	63.7	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 50.459 ug/l

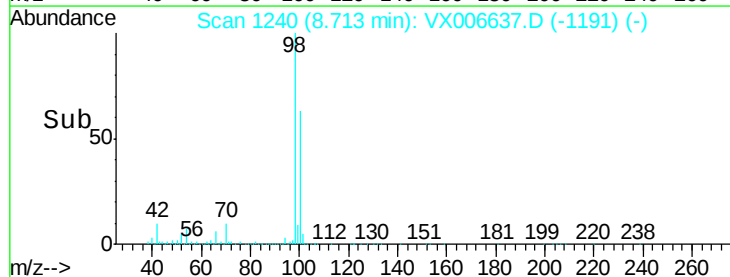
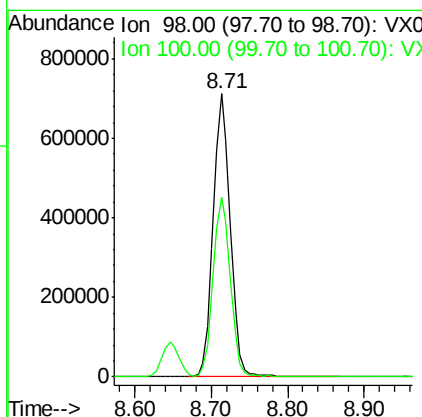
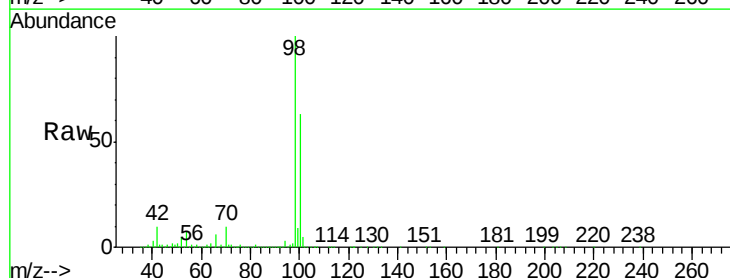
RT: 8.71 min Scan# 1240

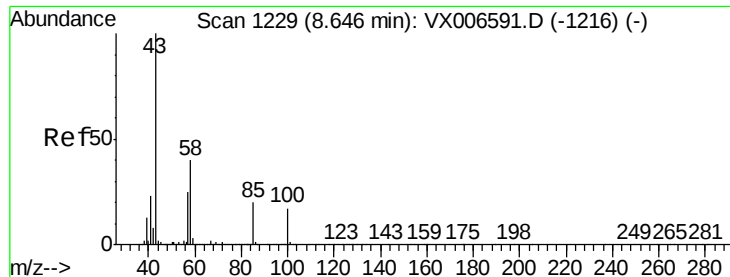
Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion:	98	Resp:	1099638
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 105.214 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 43 Resp: 802619

Ion Ratio Lower Upper

43 100

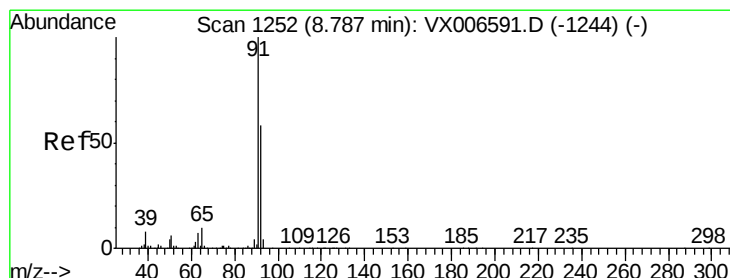
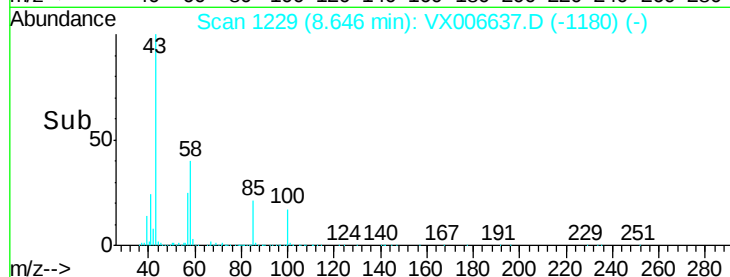
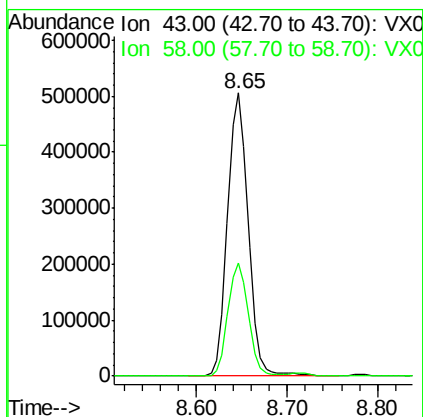
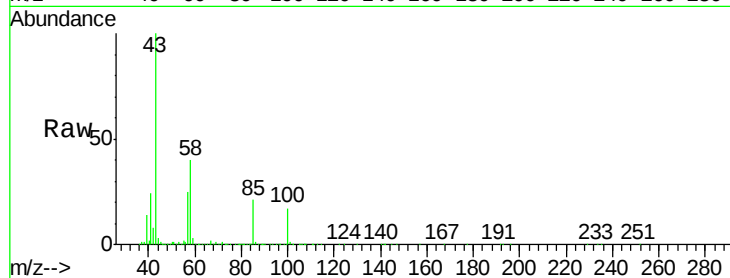
58 39.2 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 20.526 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006637.D

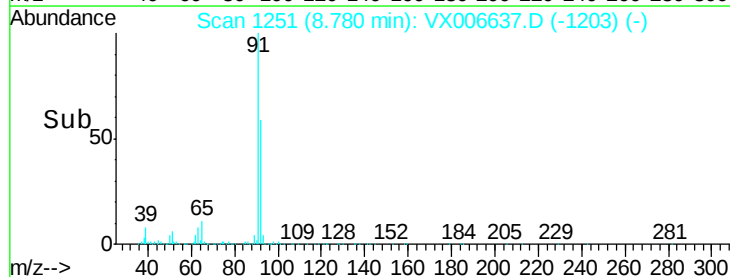
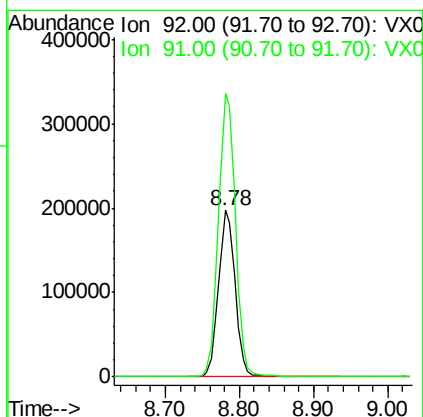
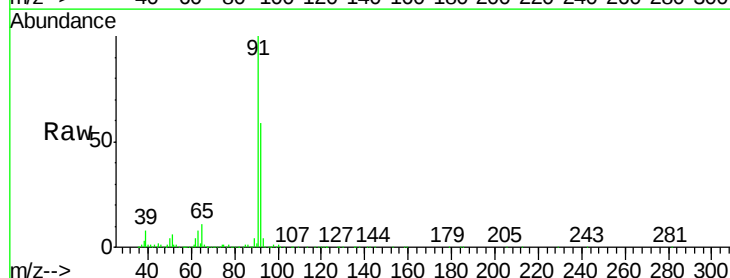
Acq: 19 Dec 2018 15:24

Tgt Ion: 92 Resp: 305155

Ion Ratio Lower Upper

92 100

91 173.0 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 18.596 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 75 Resp: 136394

Ion Ratio Lower Upper

75 100

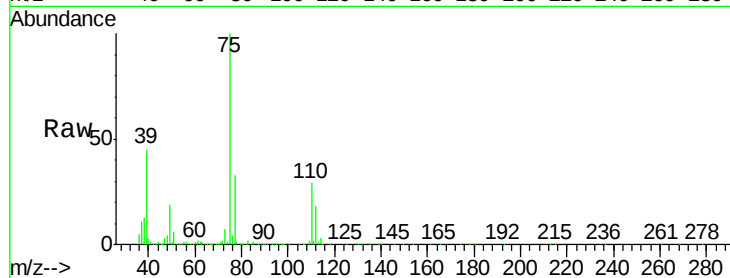
77 33.1 25.4 38.0

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

100000

80000

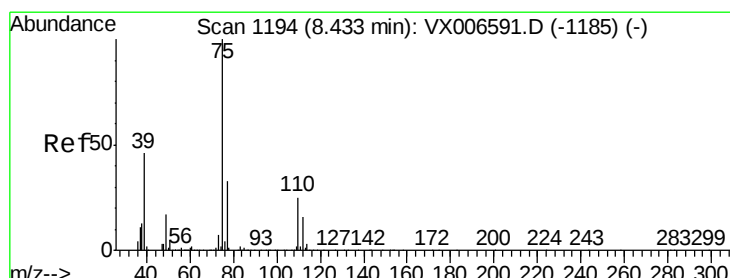
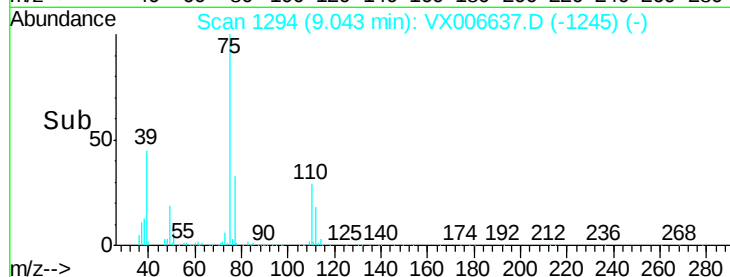
60000

40000

20000

0

Time--> 8.95 9.00 9.05 9.10



#54

cis-1,3-Dichloropropene

Concen: 19.494 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

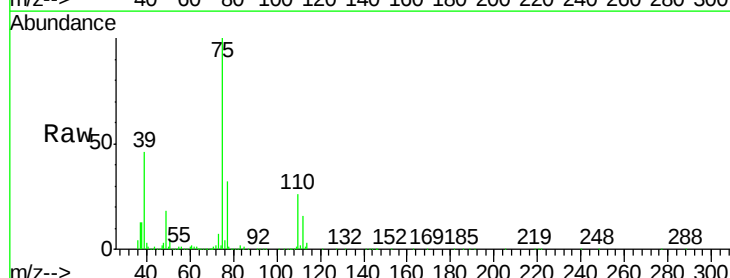
Tgt Ion: 75 Resp: 156882

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

39 45.1 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

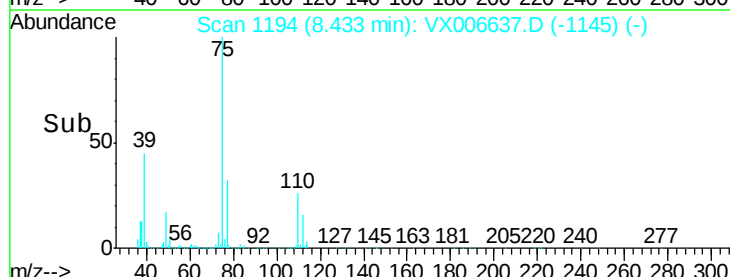
8.43

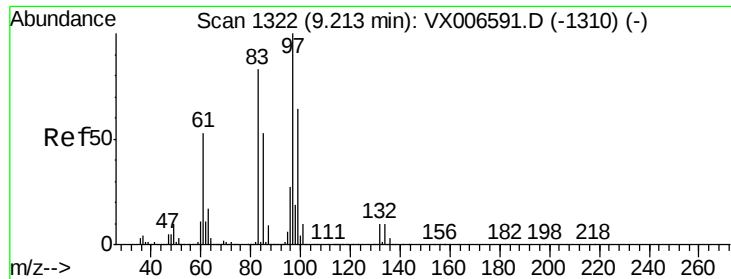
100000

50000

0

Time--> 8.40 8.50





#55

1,1,2-Trichloroethane

Concen: 20.462 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

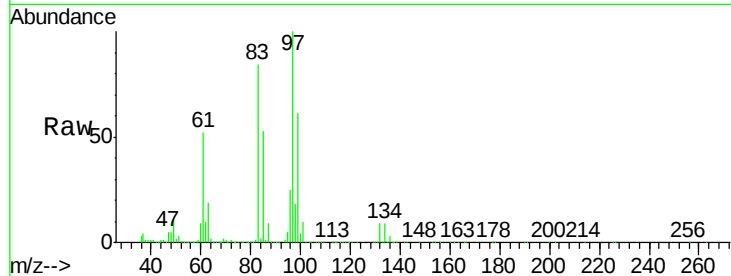
ClientSampleId :

VX1219WBS01

Tot Ion:	97	Resp:	124519
Ion Ratio	Lower	Upper	
97	100		
83	84.1	66.6	99.8
85	52.9	42.7	64.1
99	60.5	50.8	76.2

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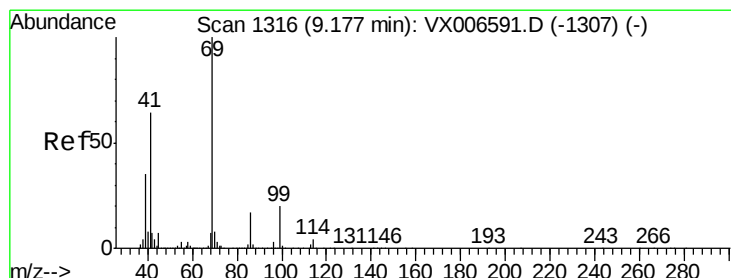
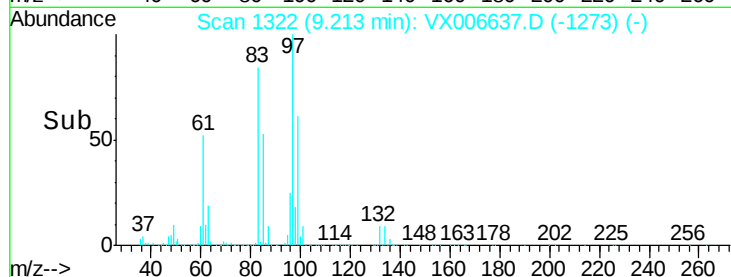
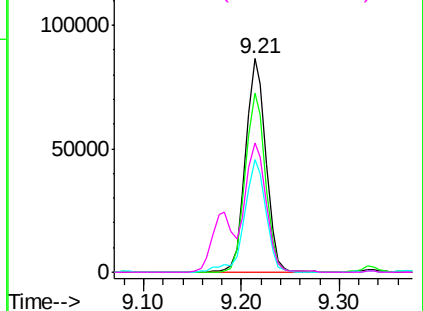


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.736 ug/l

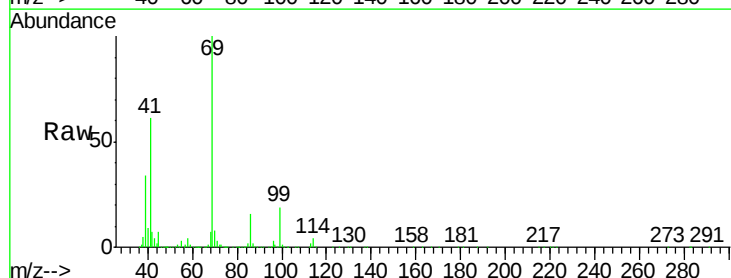
RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

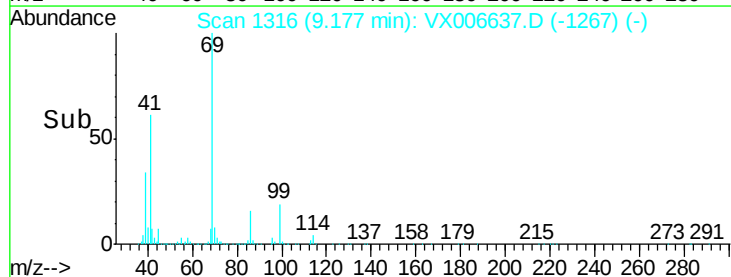
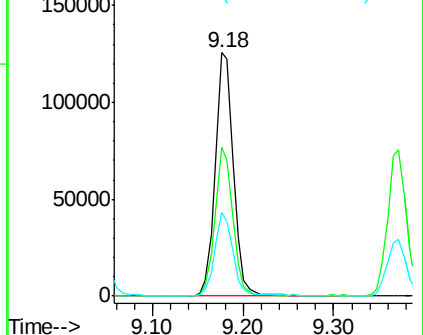
Tgt Ion:	69	Resp:	178346
Ion Ratio	Lower	Upper	
69	100		
41	59.6	48.7	73.1
39	34.0	27.0	40.6

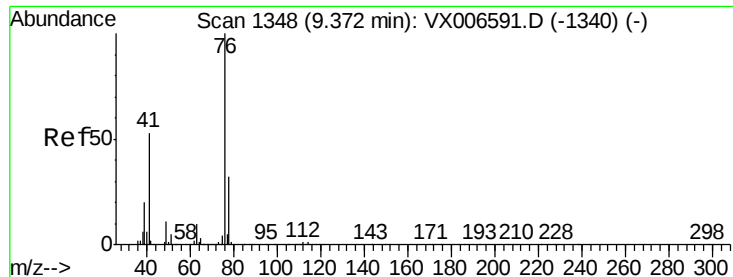


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.261 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 76 Resp: 198366

Ion Ratio Lower Upper

76 100

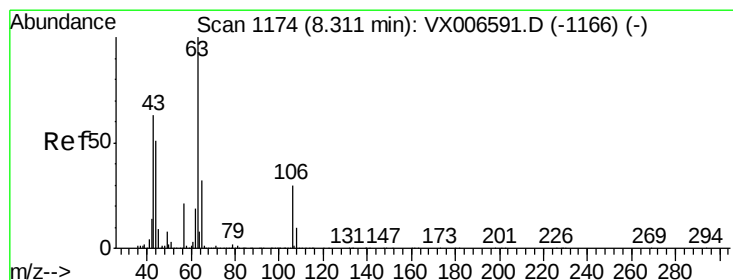
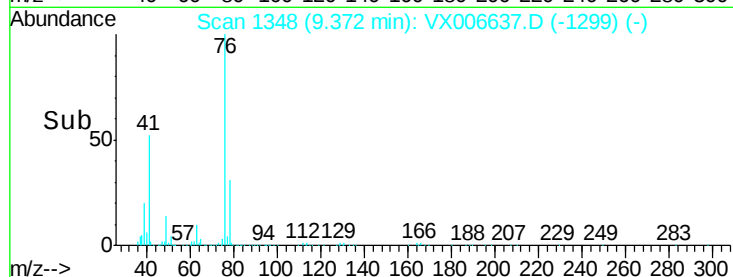
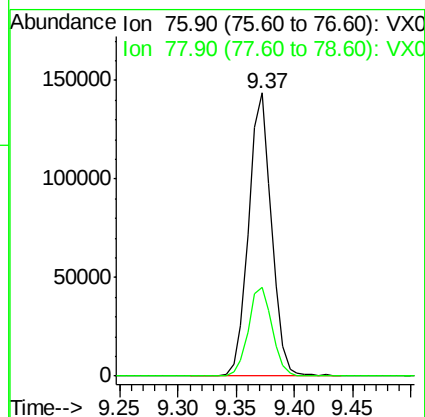
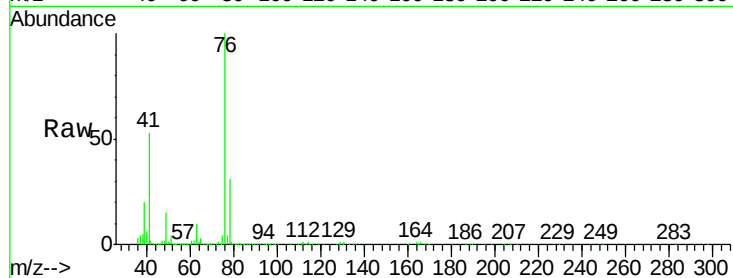
78 32.5 26.0 39.0

Manual Integrations

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12/20/2018 10:00:22 AM



#58

2-Chloroethyl Vinyl ether

Concen: 100.875 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006637.D

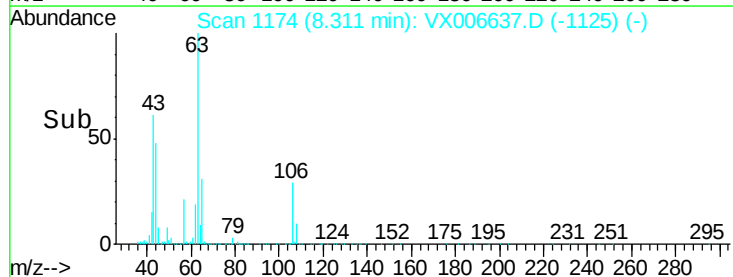
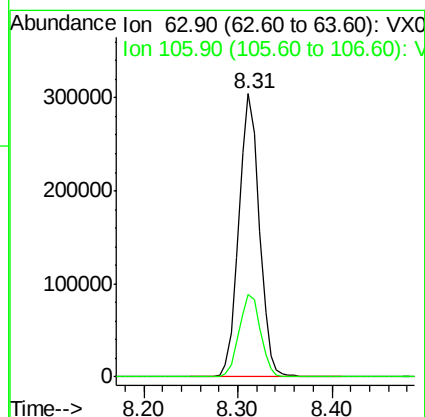
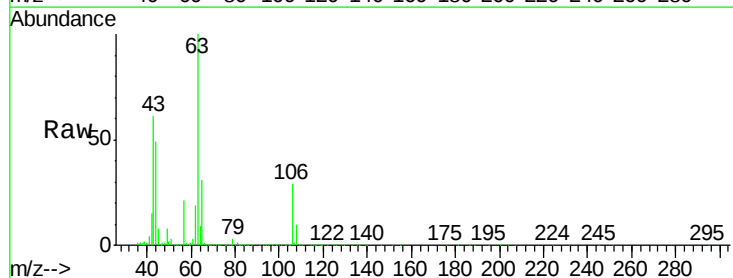
Acq: 19 Dec 2018 15:24

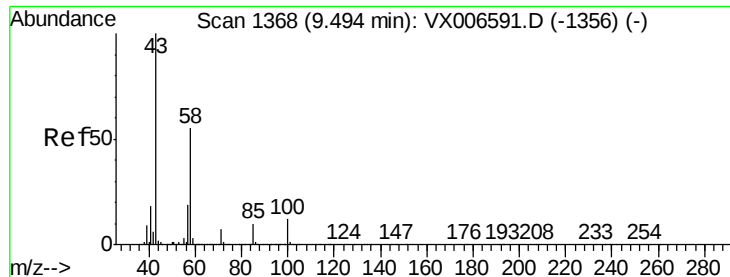
Tgt Ion: 63 Resp: 461194

Ion Ratio Lower Upper

63 100

106 30.6 24.6 36.8





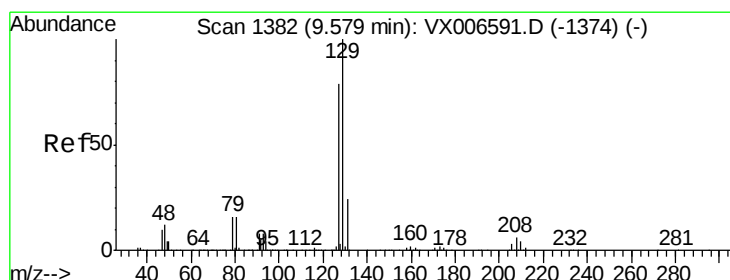
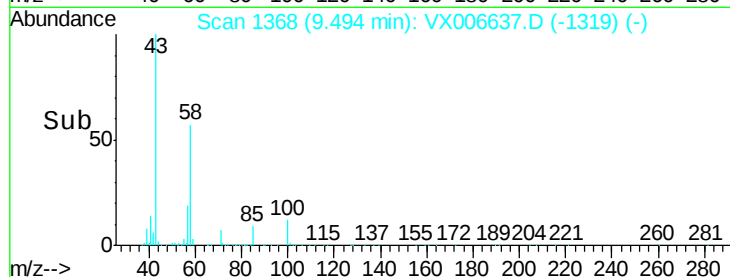
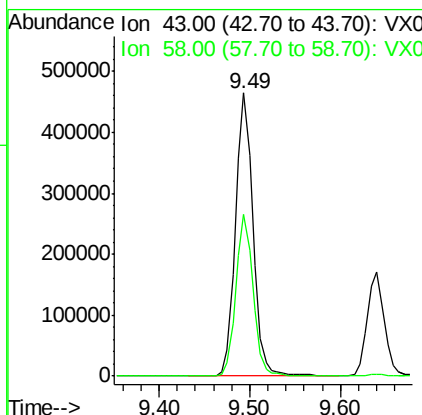
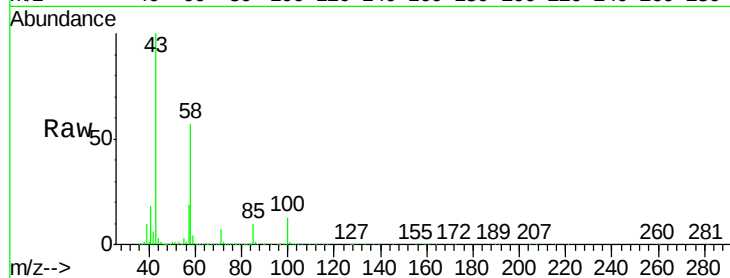
#59
2-Hexanone
Concen: 106.946 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion: 43 Resp: 624208
Ion Ratio Lower Upper
43 100
58 56.4 27.7 83.1

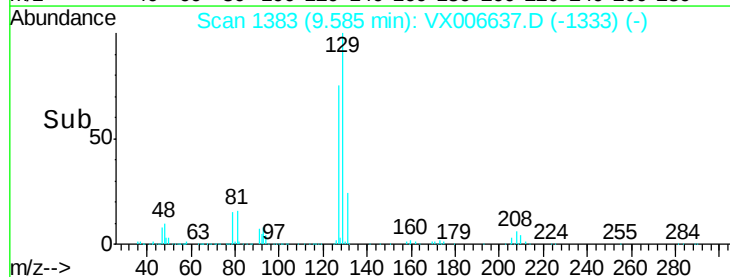
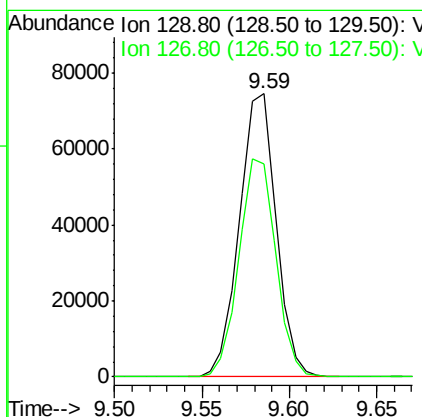
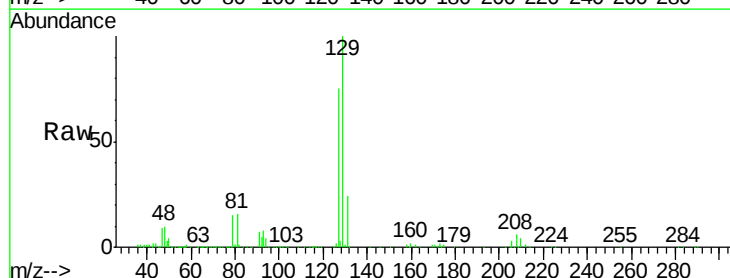
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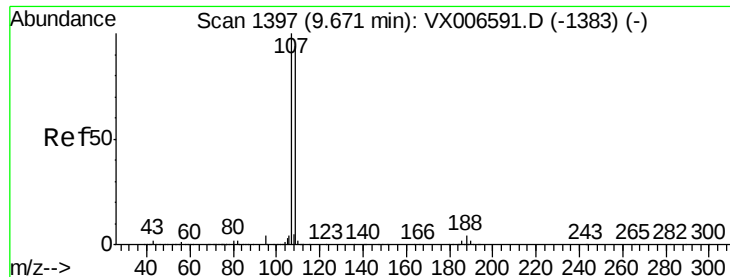
MMDadoda
12/20/2018 10:00:22 AM



#60
Dibromochloromethane
Concen: 18.712 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion: 129 Resp: 109385
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.246 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 107 Resp: 130969

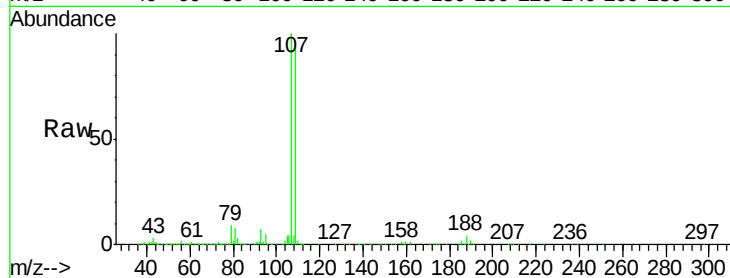
Ion Ratio Lower Upper

107 100

109 94.8 75.8 113.6

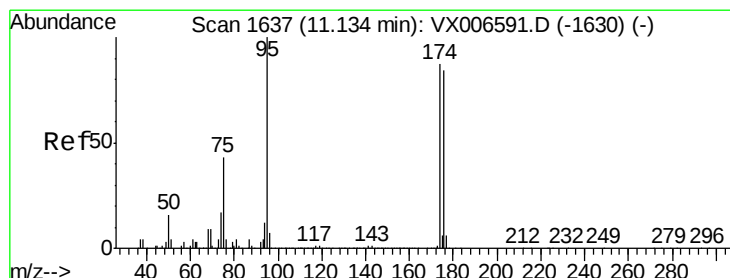
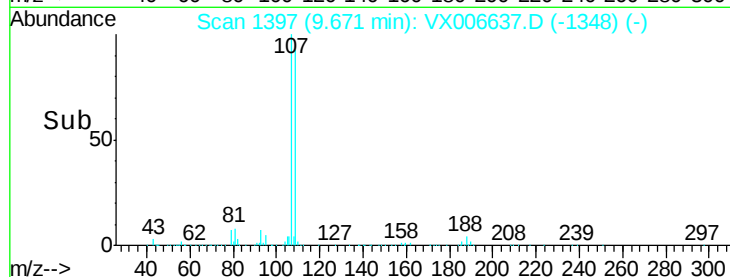
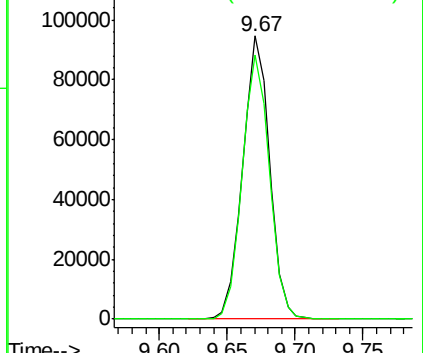
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.002 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

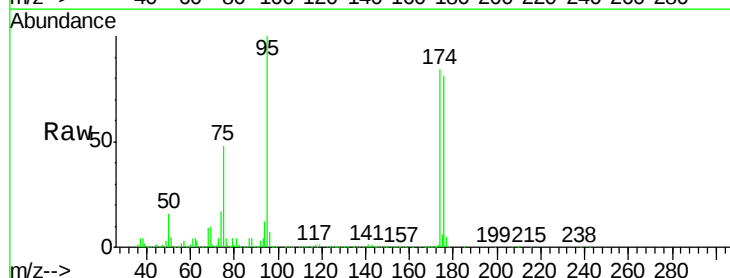
Tgt Ion: 95 Resp: 407068

Ion Ratio Lower Upper

95 100

174 88.8 0.0 182.2

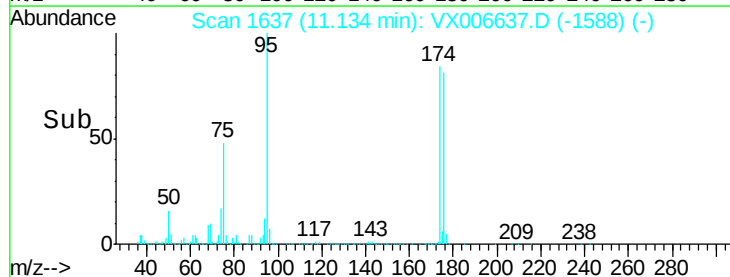
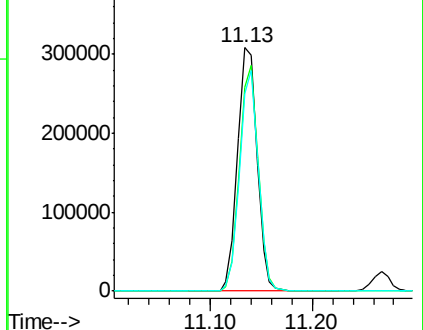
176 86.4 0.0 178.8

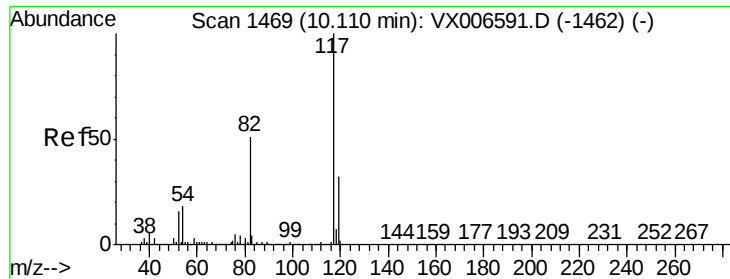


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





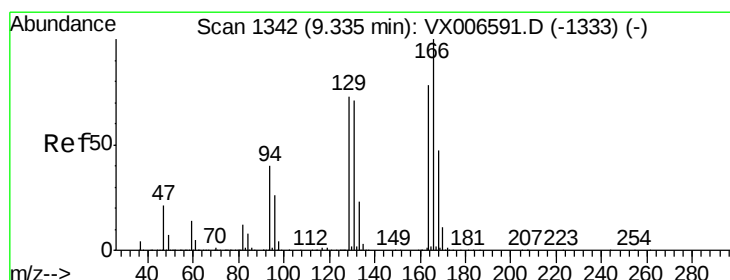
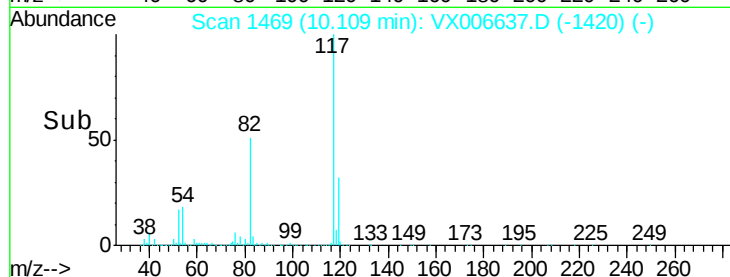
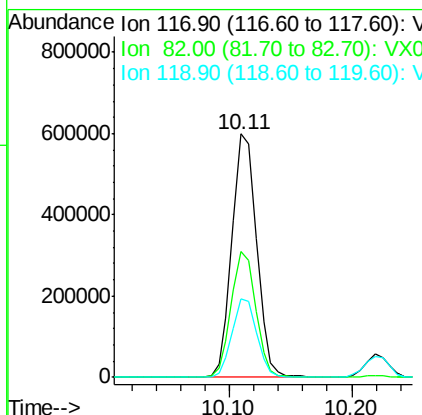
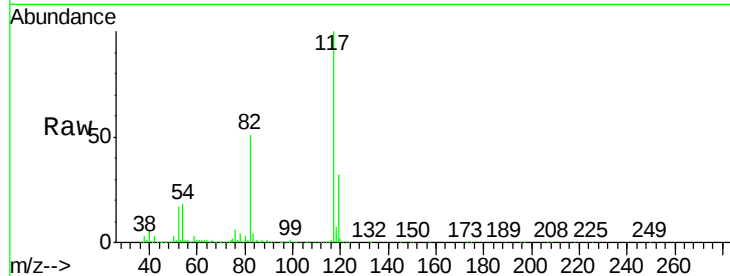
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	836428		
82	51.5		41.0	61.6
119	32.1		25.4	38.0

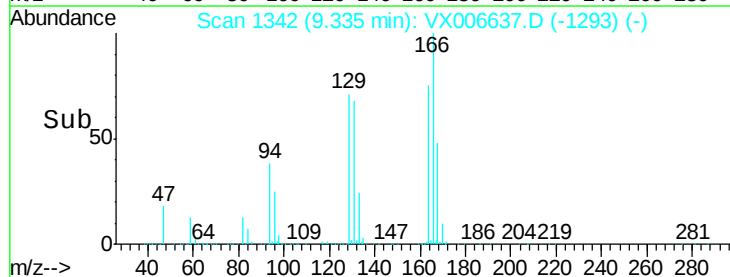
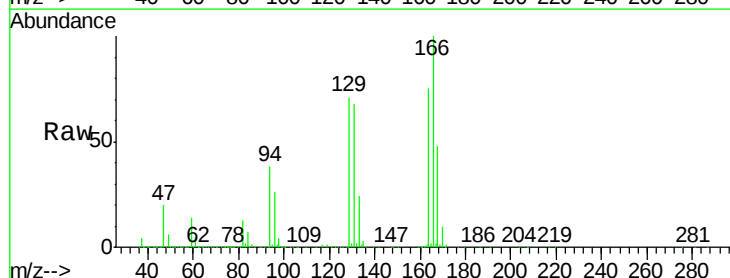
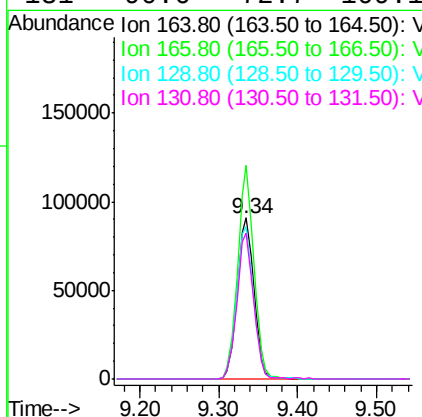
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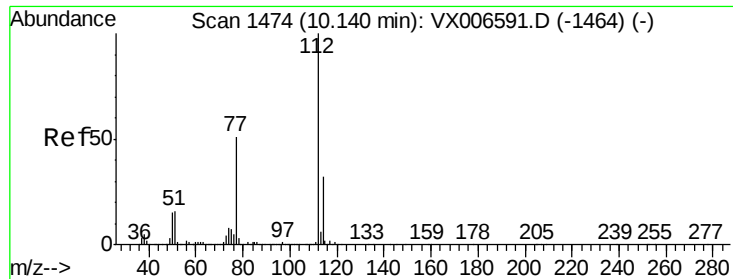
MMDadoda
12/20/2018 10:00:22 AM



#64
Tetrachloroethene
Concen: 20.421 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	135256		
166	132.7		102.5	153.7
129	94.5		75.1	112.7
131	90.6		72.7	109.1





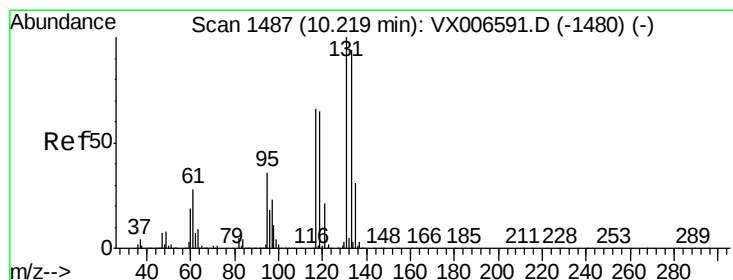
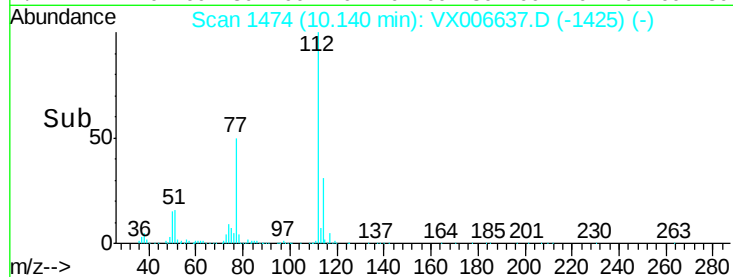
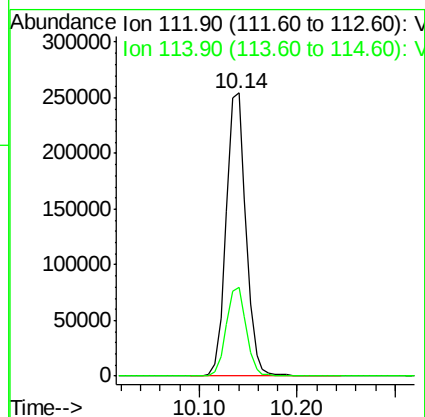
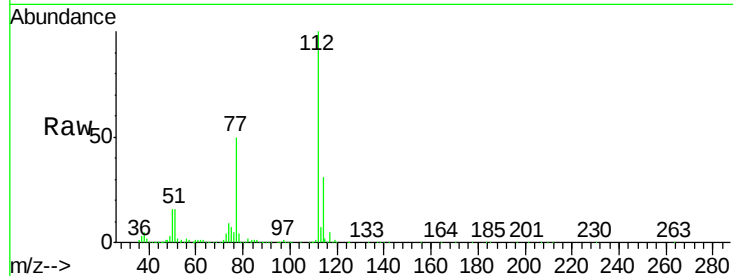
#65
Chlorobenzene
Concen: 20.202 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion:112 Resp: 357488
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5

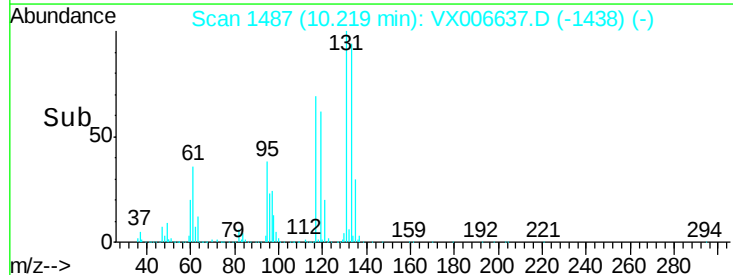
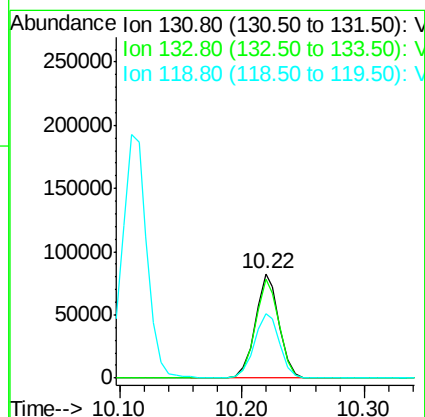
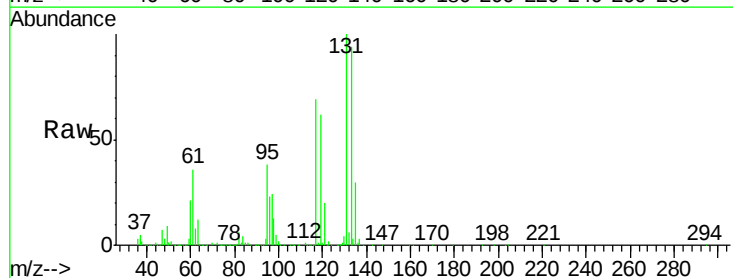
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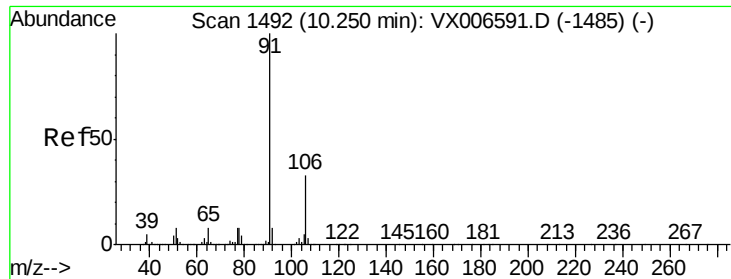
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.165 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion:131 Resp: 111327
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.2
119 65.8 32.6 97.8





#67

Ethyl Benzene

Concen: 20.217 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 91 Resp: 584590

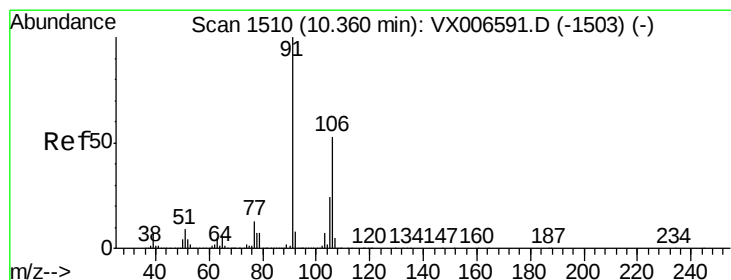
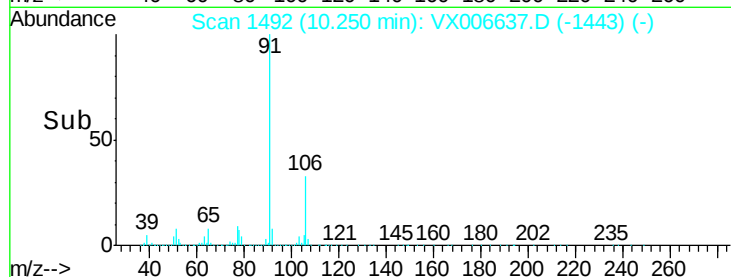
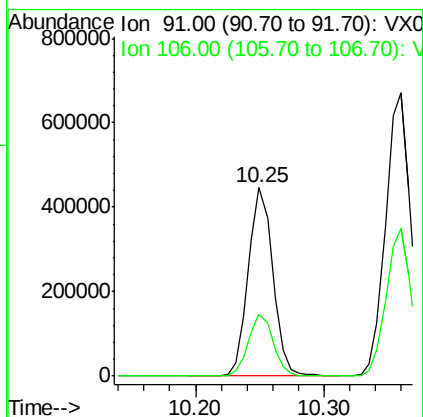
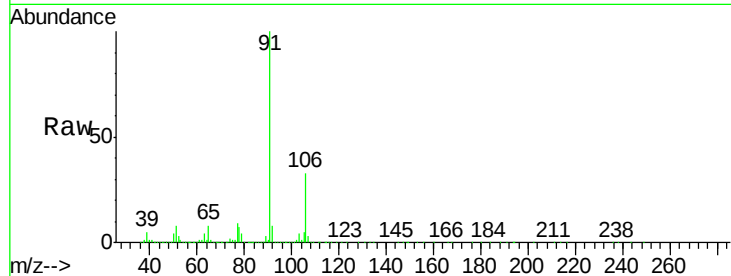
Ion Ratio Lower Upper

91 100

106 32.8 26.4 39.6

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12/20/2018 10:00:22 AM



#68

m/p-Xylenes

Concen: 41.300 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006637.D

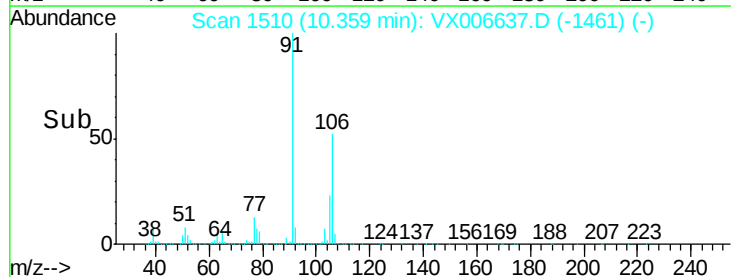
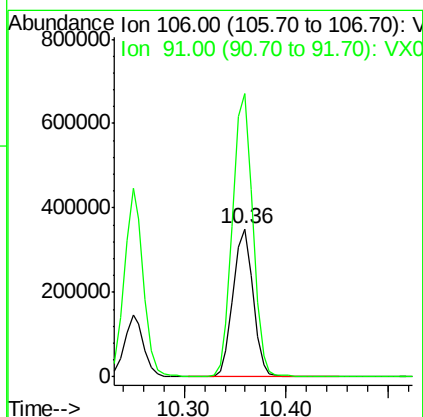
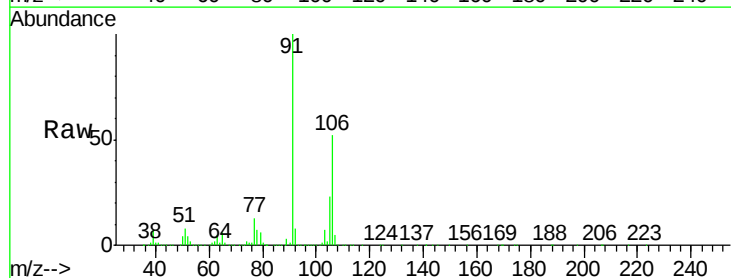
Acq: 19 Dec 2018 15:24

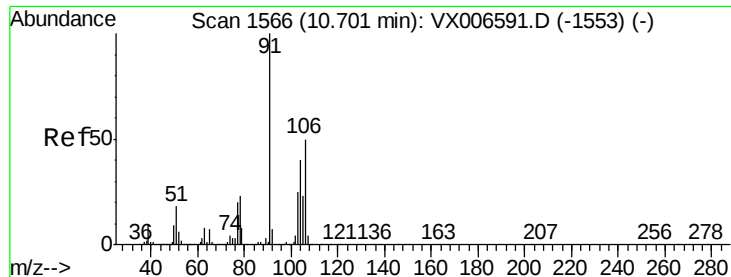
Tgt Ion: 106 Resp: 471229

Ion Ratio Lower Upper

106 100

91 193.9 155.8 233.6





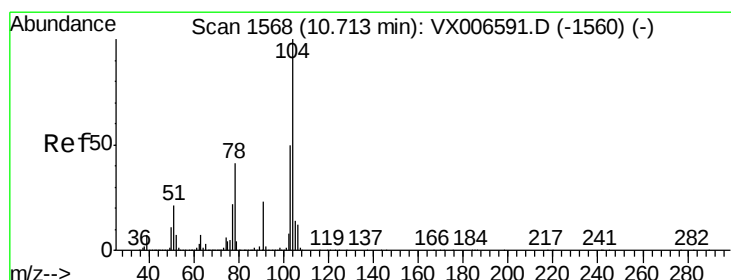
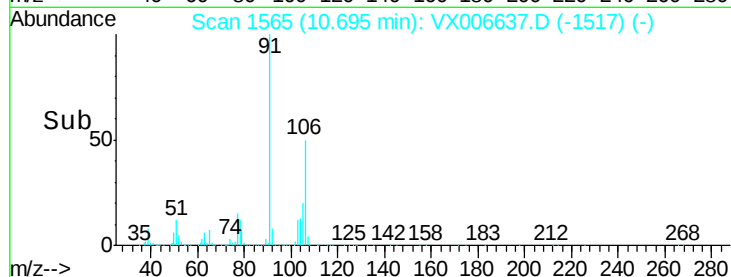
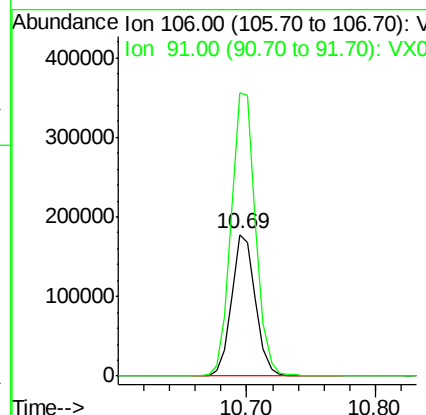
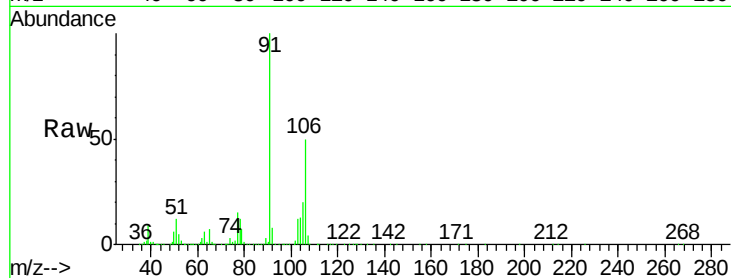
#69
o-Xylene
Concen: 20.543 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		231461		
91	206.6	101.3	303.7		

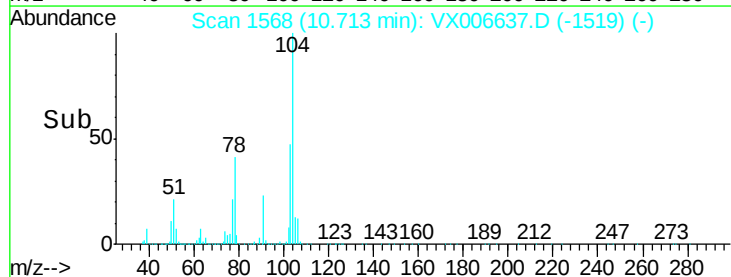
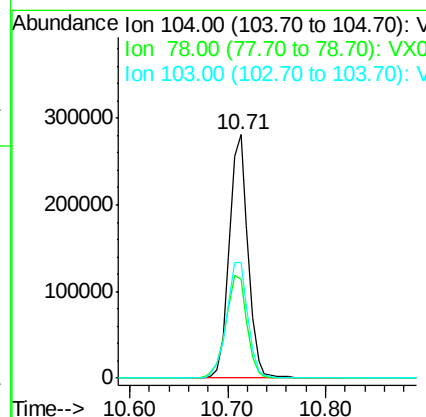
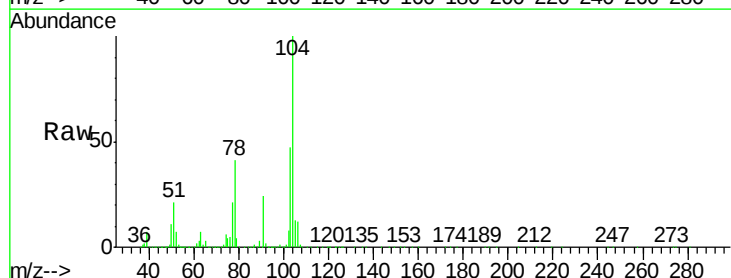
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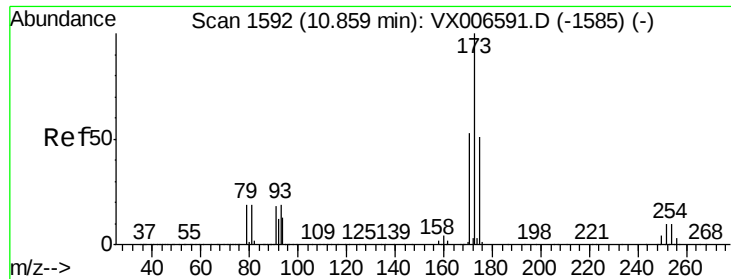
MMDadoda
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#70
Styrene
Concen: 20.871 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		372029		
78	47.9	37.7	56.5		
103	54.2	43.8	65.8		





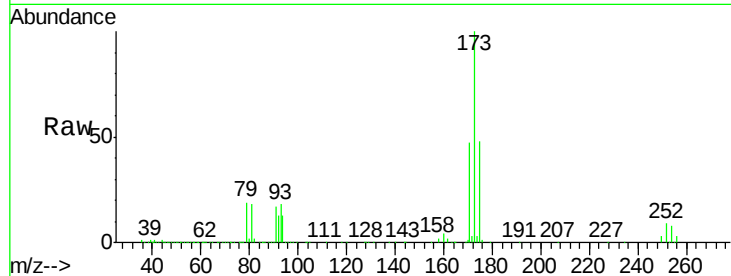
#71
Bromoform
Concen: 18.066 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

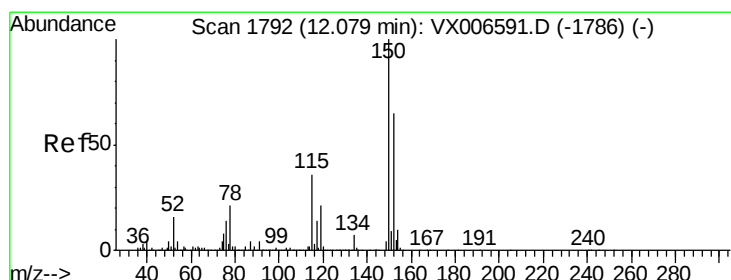
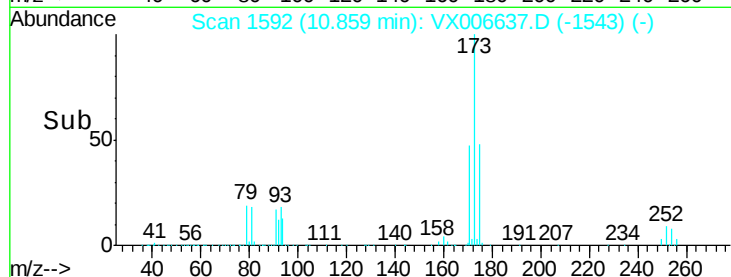
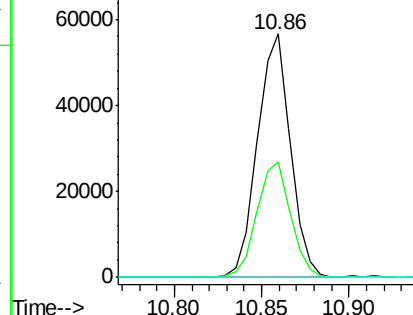
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.0	0.2	0.2

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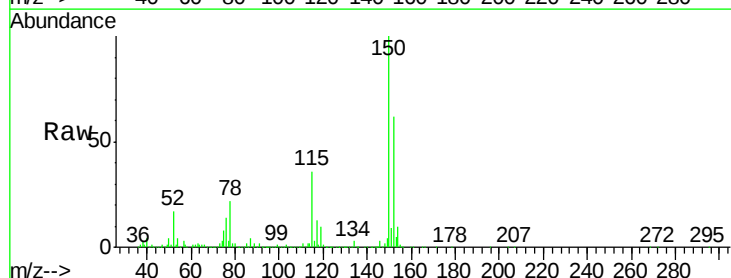


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

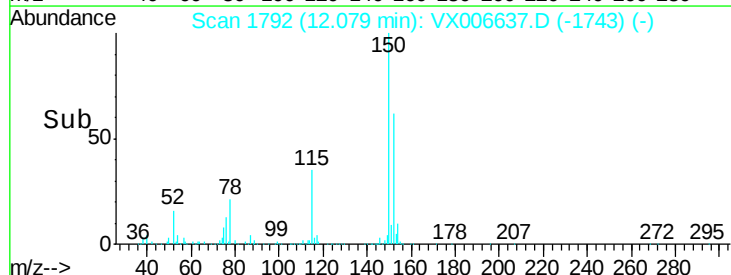
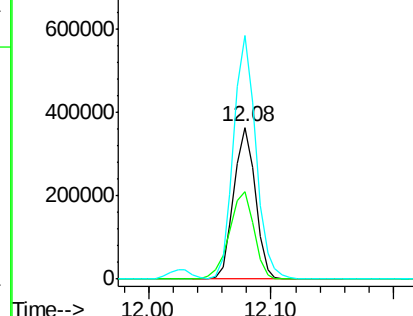


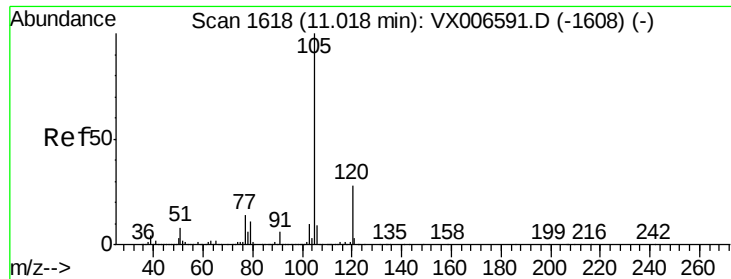
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.9	39.1	117.2
150	166.6	0.0	344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.216 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 105 Resp: 609511

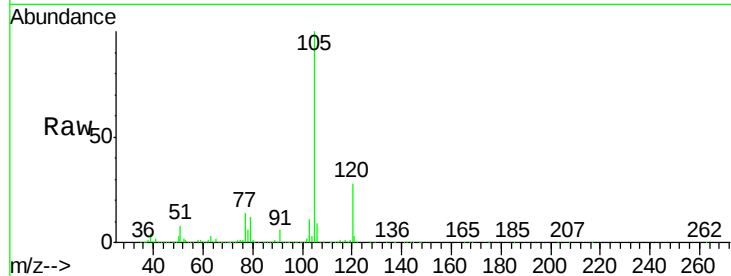
Ion Ratio Lower Upper

105 100

120 28.1 14.1 42.4

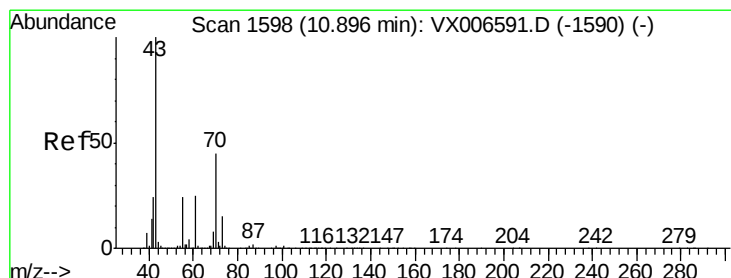
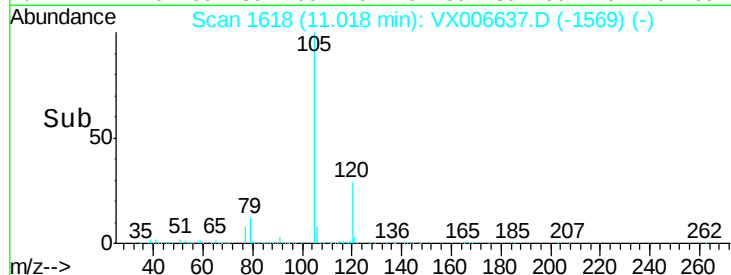
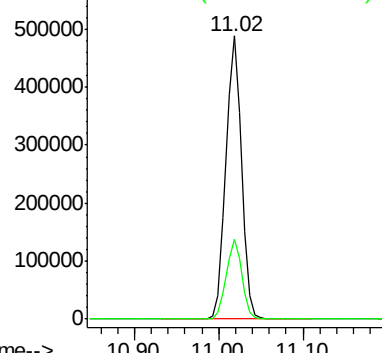
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.547 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion: 43 Resp: 221748

Ion Ratio Lower Upper

43 100

70 44.4 35.8 53.8

55 25.0 19.4 29.0

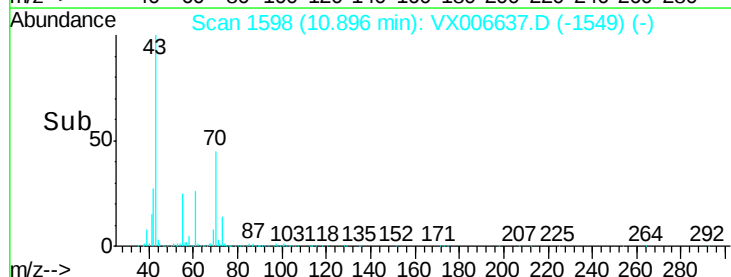
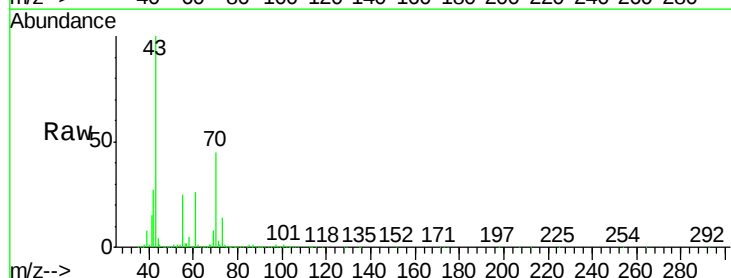
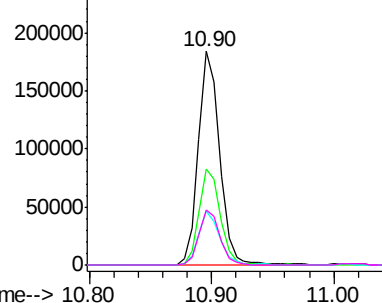
61 25.3 20.1 30.1

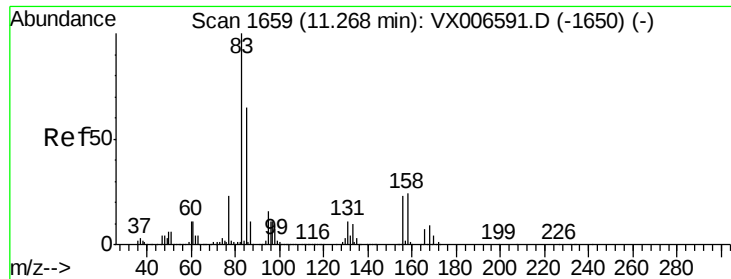
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.575 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 83 Resp: 184492

Ion Ratio Lower Upper

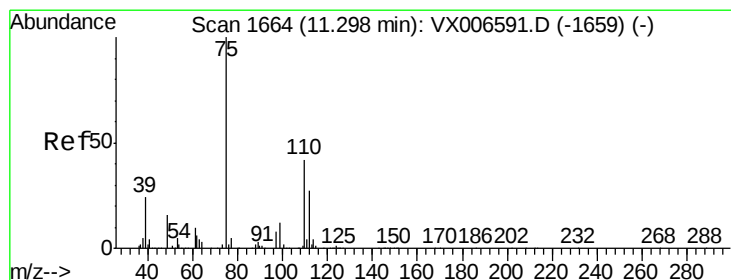
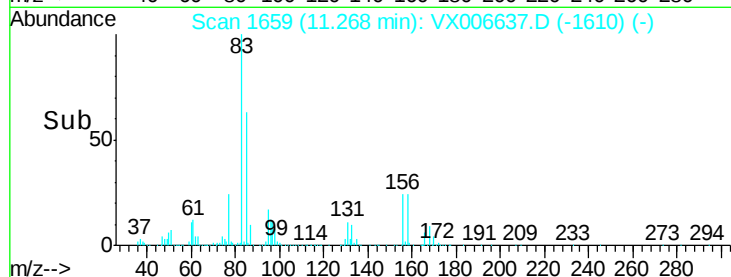
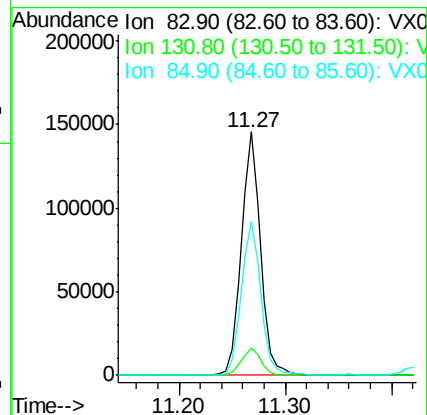
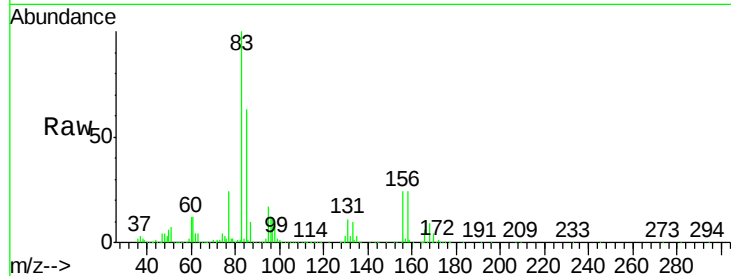
83 100

131 11.5 5.7 17.1

85 64.7 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 20.559 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006637.D

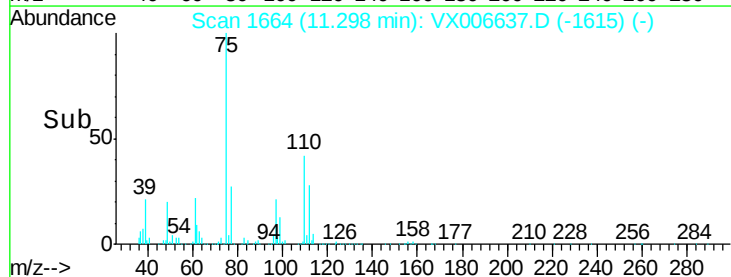
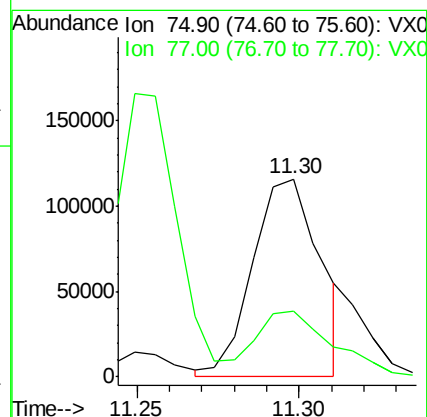
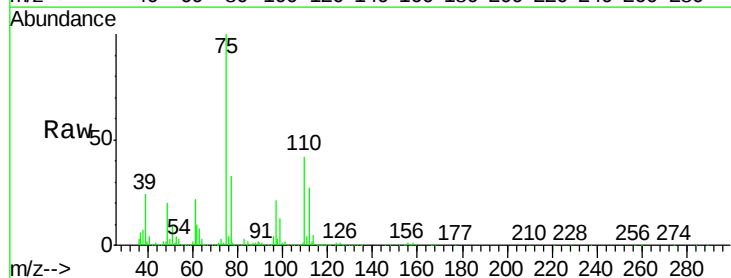
Acq: 19 Dec 2018 15:24

Tgt Ion: 75 Resp: 168386

Ion Ratio Lower Upper

75 100

77 36.6 18.5 55.5





#77

Bromobenzene

Concen: 19.805 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

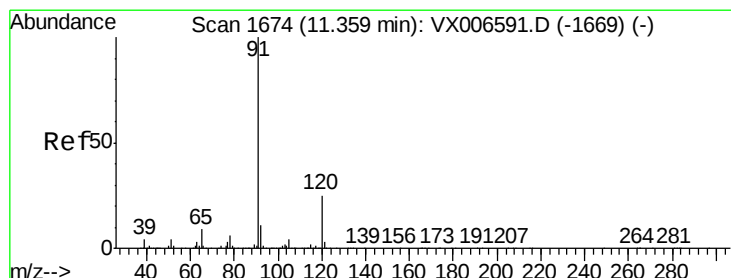
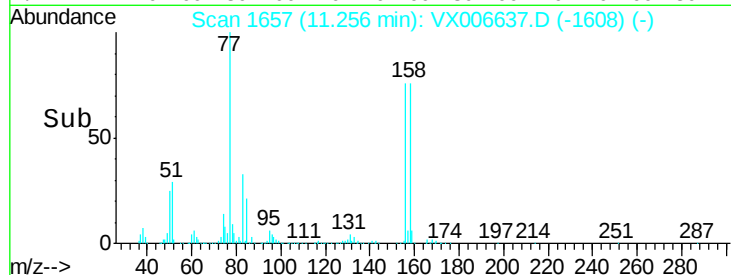
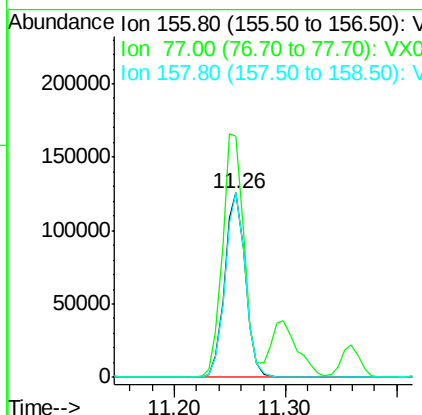
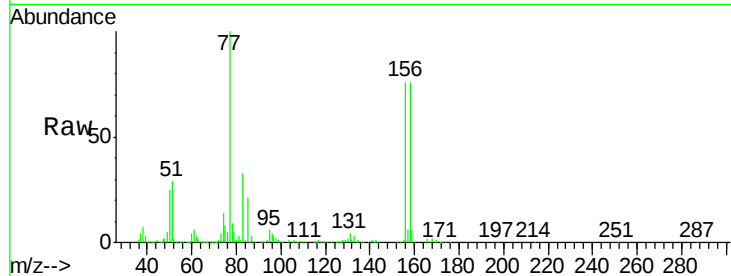
ClientSampleId :

VX1219WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.5	68.0	204.0
158	98.2	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.564 ug/l

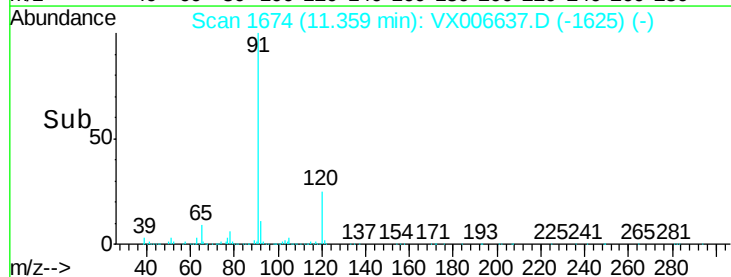
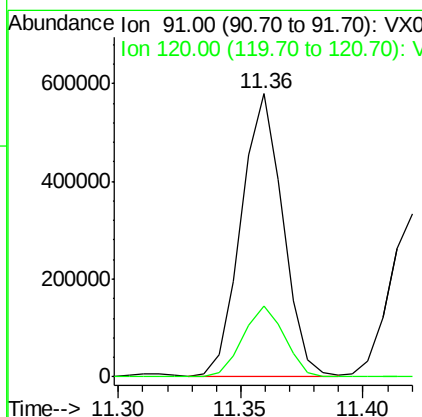
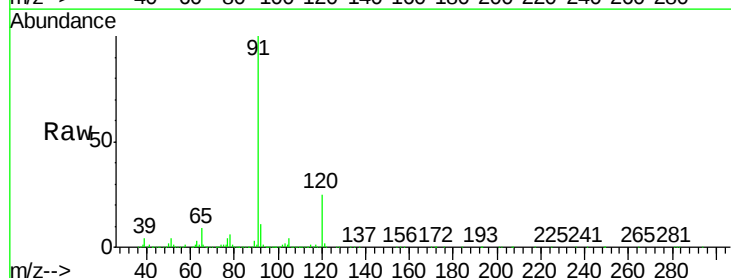
RT: 11.36 min Scan# 1674

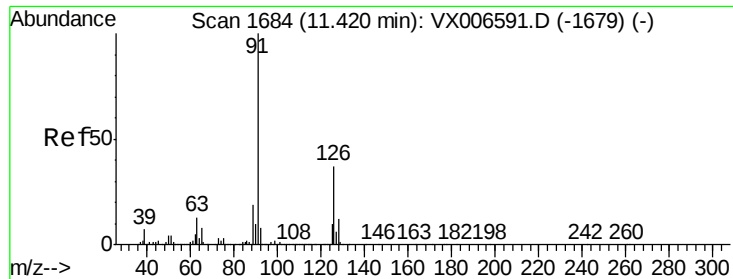
Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 20.316 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 91 Resp: 408769

Ion Ratio Lower Upper

91 100

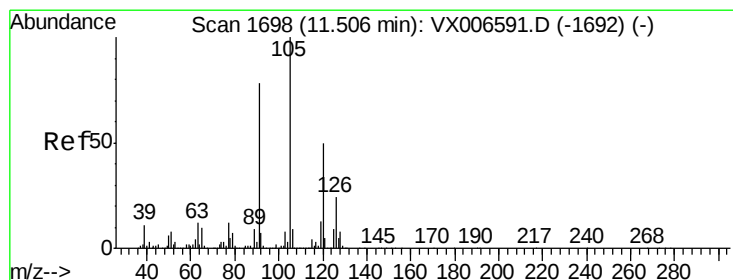
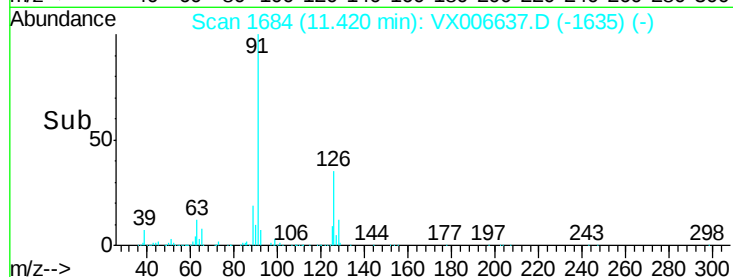
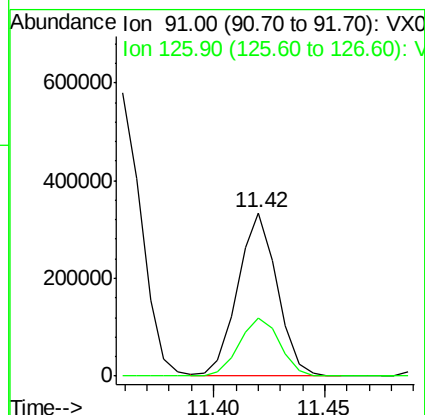
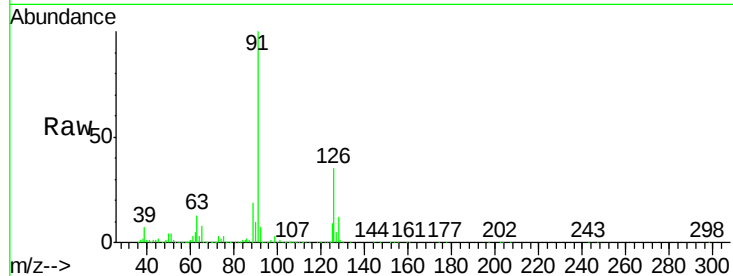
126 37.2 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.346 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006637.D

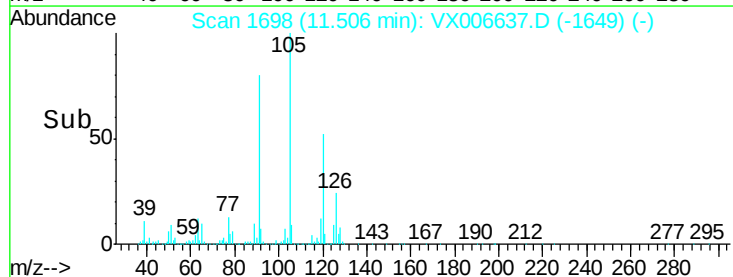
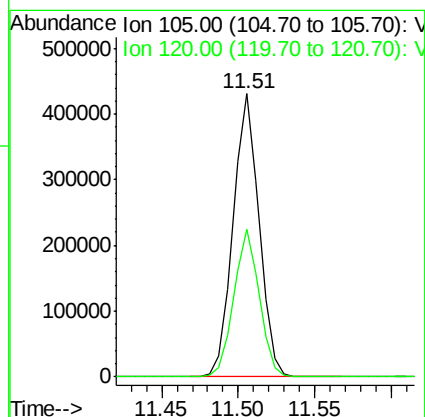
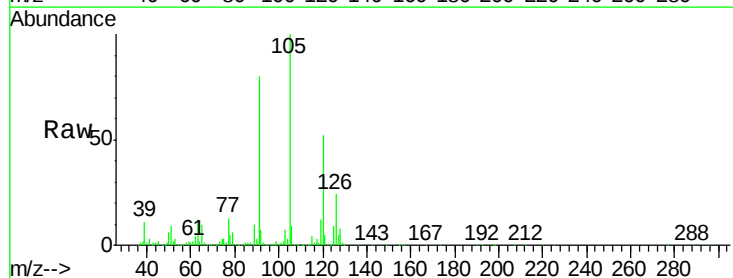
Acq: 19 Dec 2018 15:24

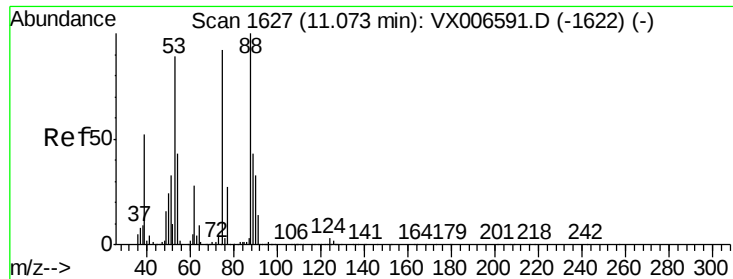
Tgt Ion: 105 Resp: 505270

Ion Ratio Lower Upper

105 100

120 51.0 25.1 75.3





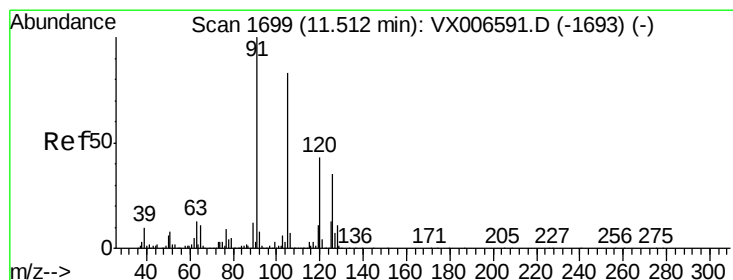
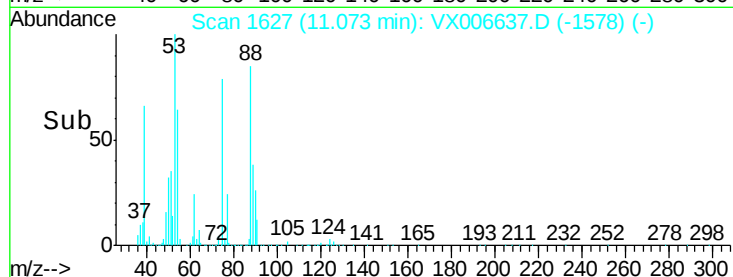
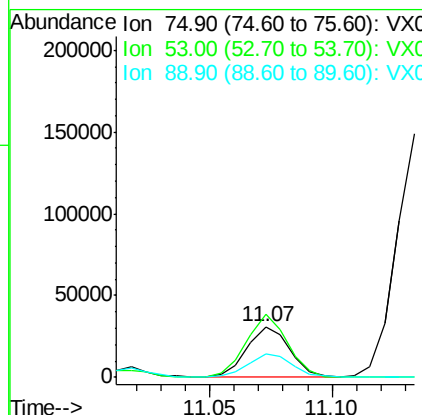
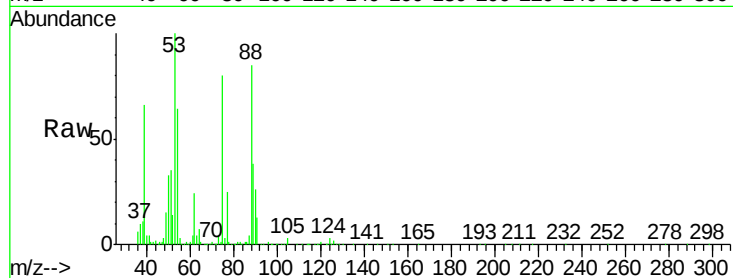
#81
trans-1,4-Dichloro-2-butene
Concen: 16.997 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.1	79.7	119.5#
89	49.0	38.0	57.0

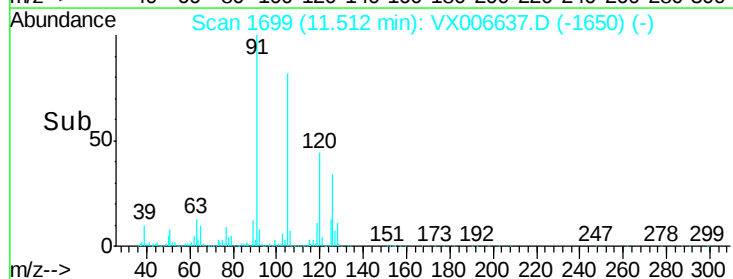
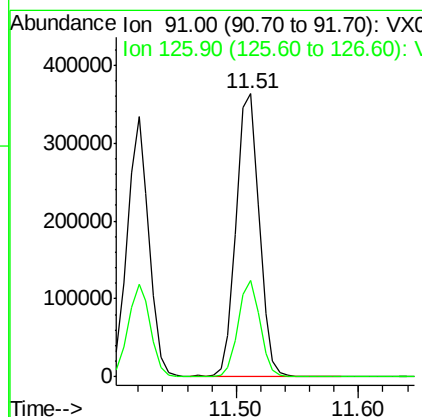
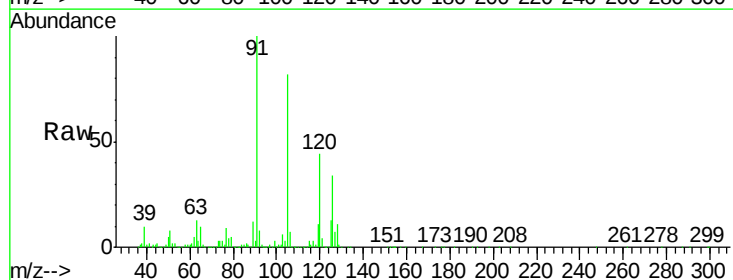
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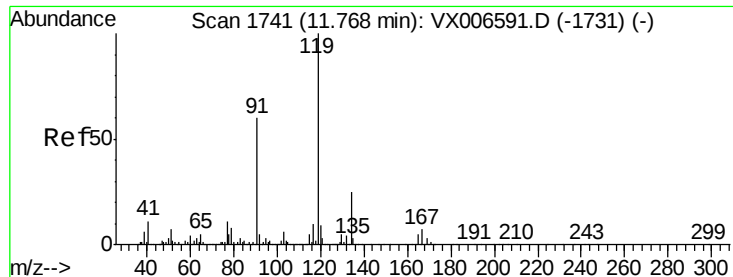
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.433 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.3	48.9





#83

tert-Butylbenzene

Concen: 20.071 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

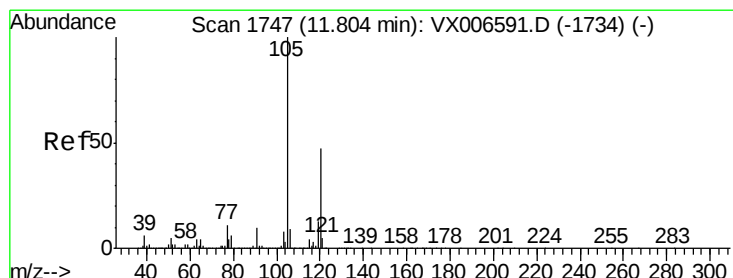
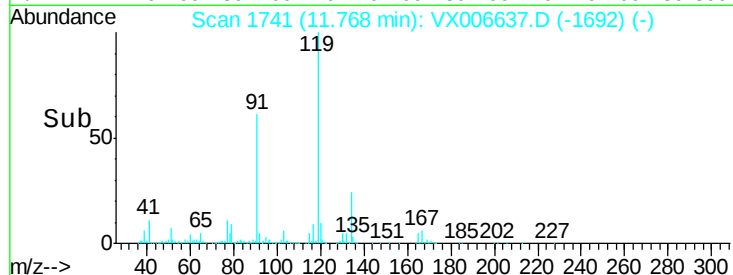
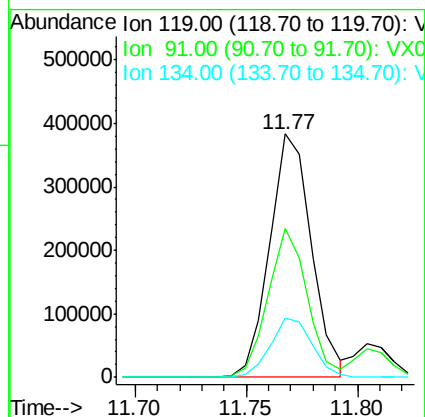
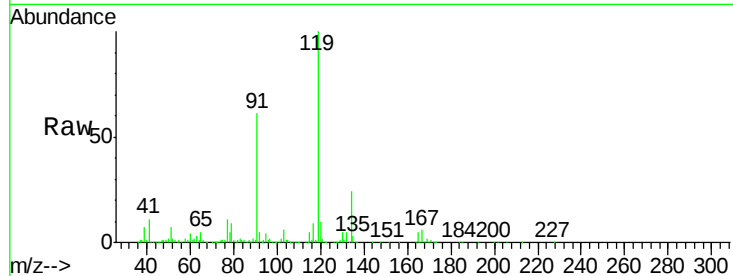
ClientSampleId :

VX1219WBS01

Tot Ion:	119	Resp:	498849
Ion Ratio	Lower	Upper	
119	100		
91	57.5	27.7	83.1
134	24.4	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.865 ug/l

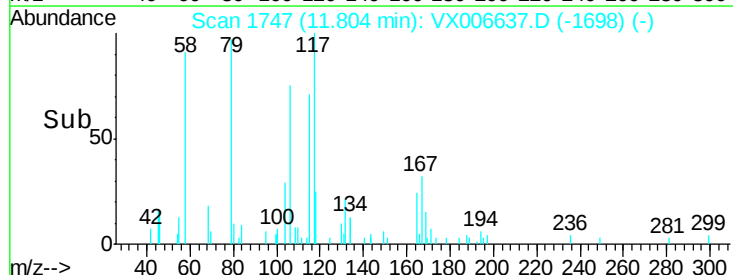
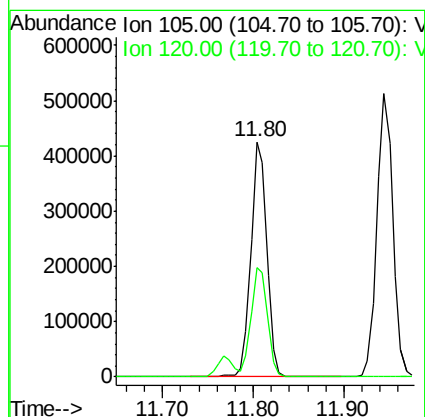
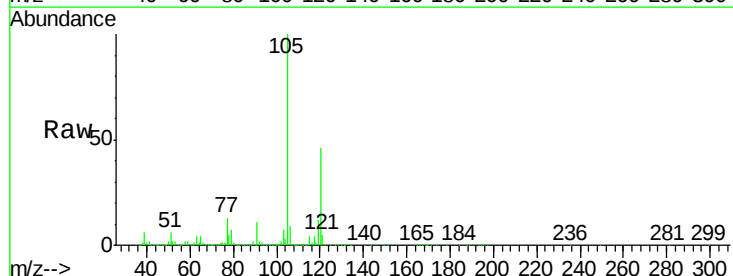
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion:	105	Resp:	518904
Ion Ratio	Lower	Upper	
105	100		
120	47.1	23.2	69.6





#85

sec-Butylbenzene

Concen: 20.512 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion:105 Resp: 625082

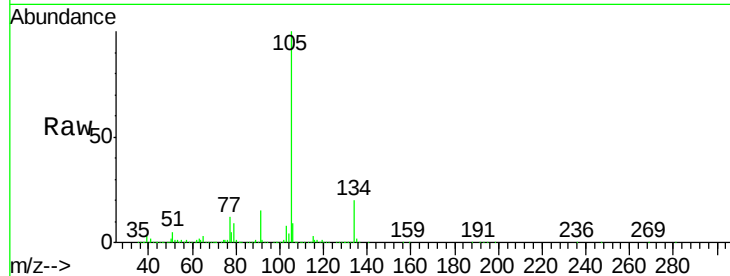
Ion Ratio Lower Upper

105 100

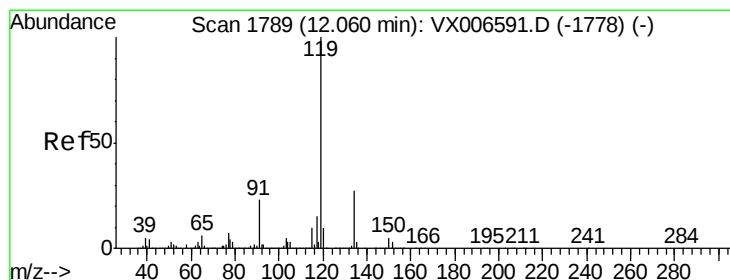
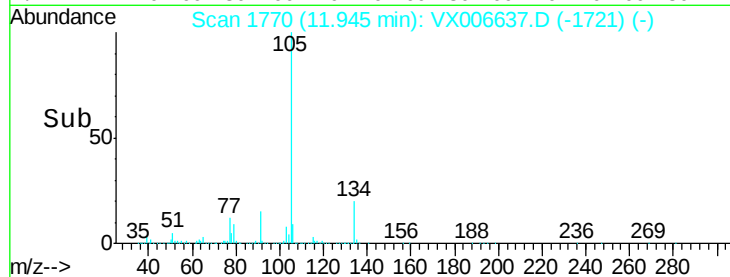
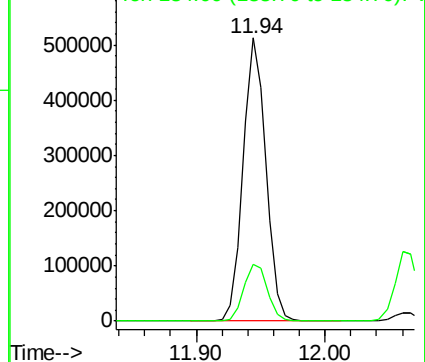
134 21.0 10.7 31.9

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.702 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

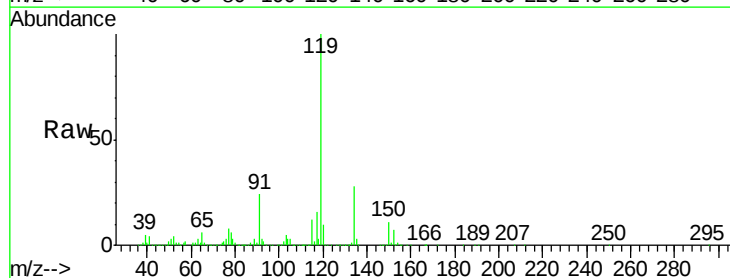
Tgt Ion:119 Resp: 554551

Ion Ratio Lower Upper

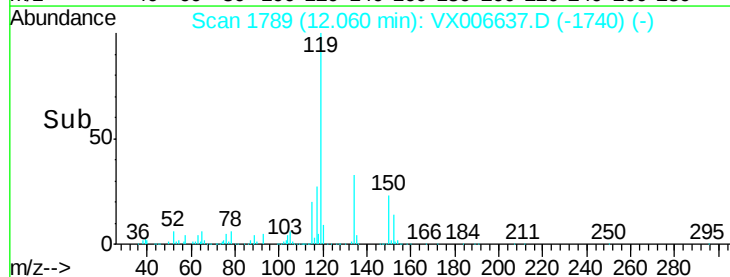
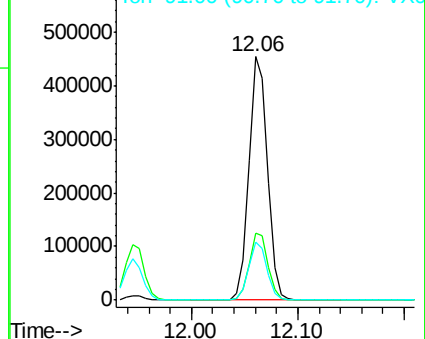
119 100

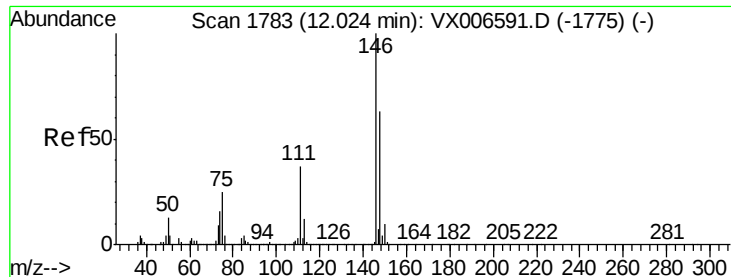
134 28.0 14.0 41.9

91 23.4 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): V





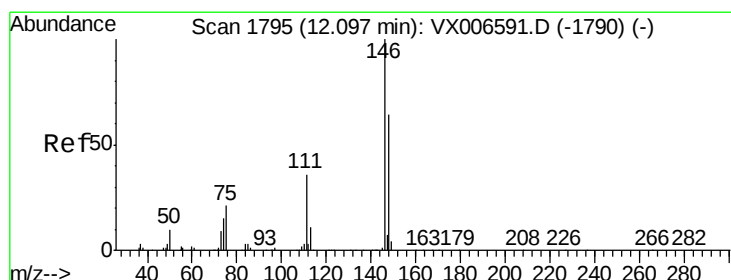
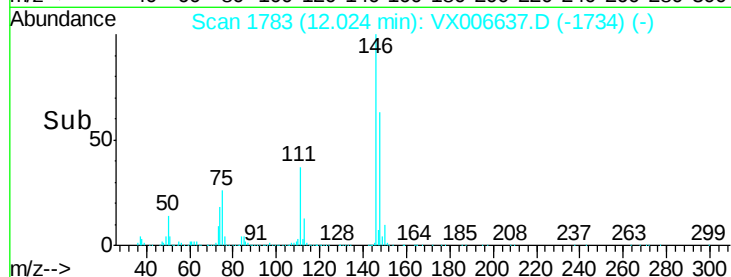
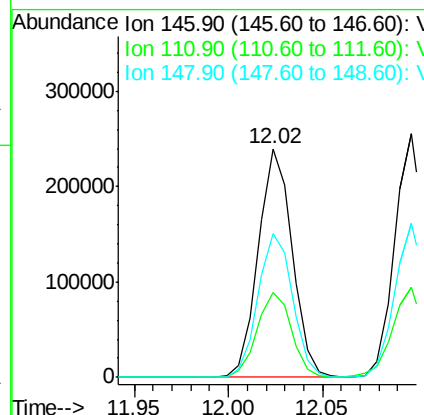
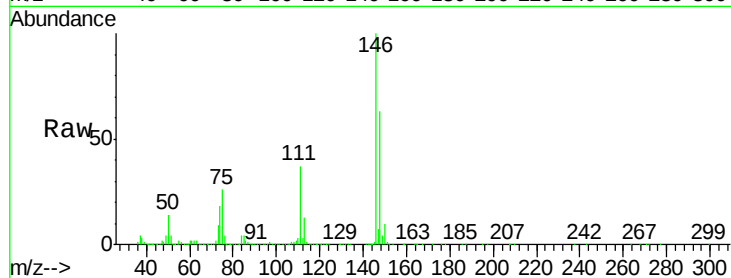
#87
 1,3-Dichlorobenzene
 Concen: 20.397 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.3	31.8	95.3

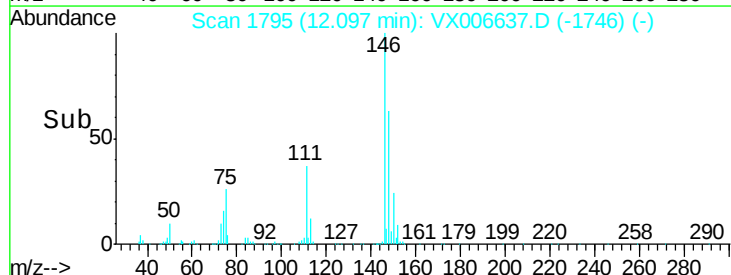
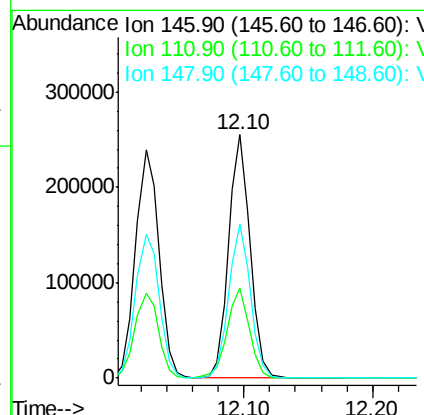
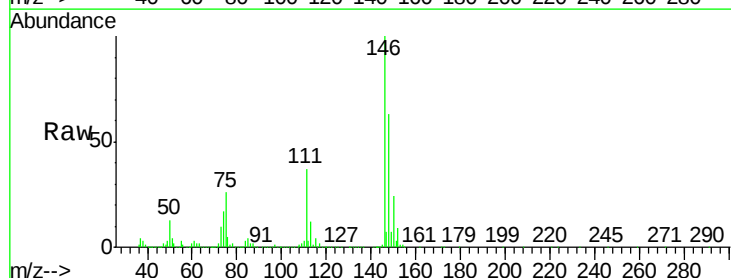
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#88
 1,4-Dichlorobenzene
 Concen: 19.994 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.1	54.1
148	64.0	31.9	95.9





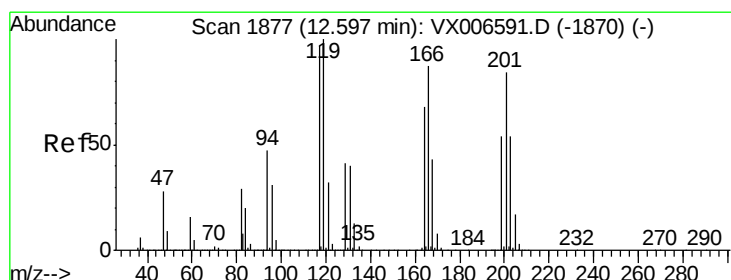
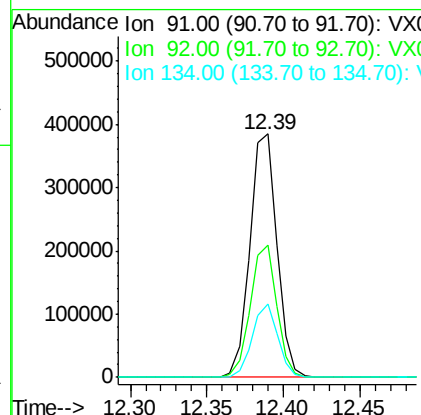
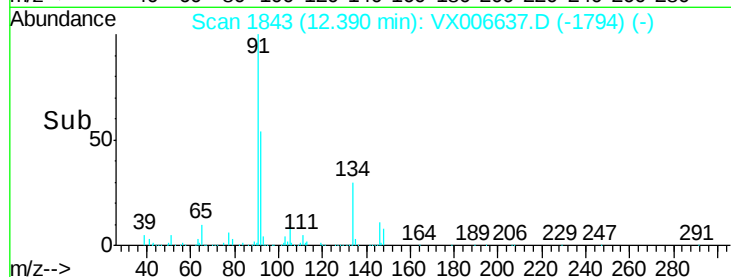
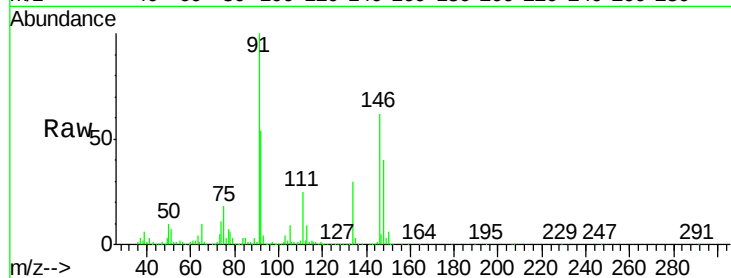
#89
n-Butylbenzene
Concen: 20.667 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	28.7	14.4	43.2

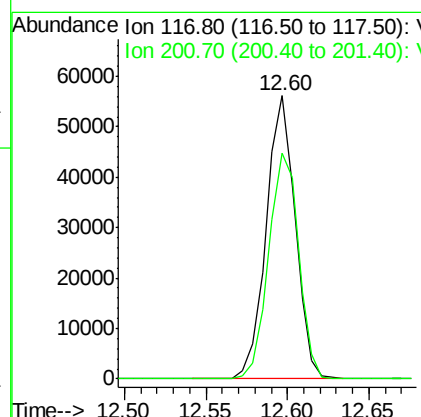
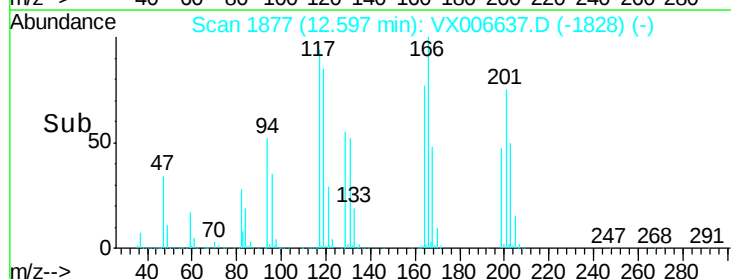
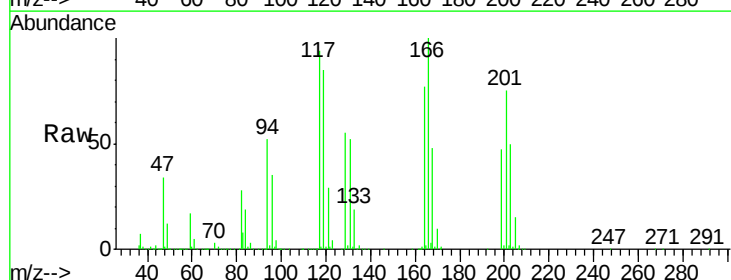
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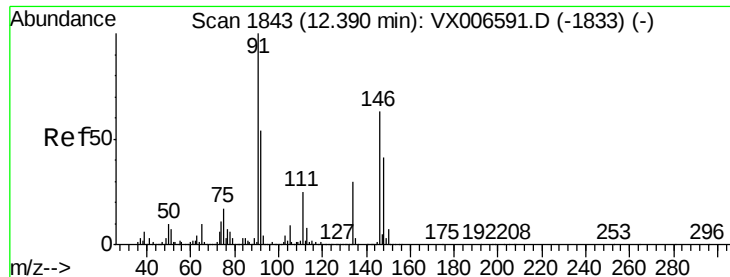
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#90
Hexachloroethane
Concen: 18.707 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	42.9	128.7





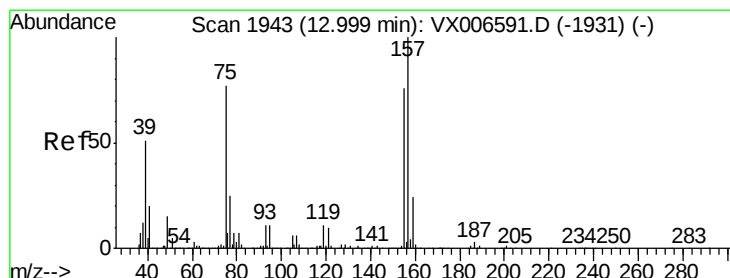
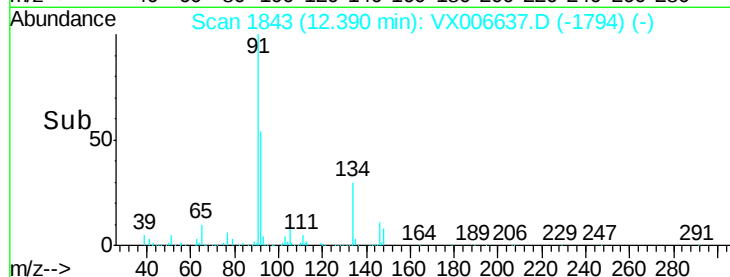
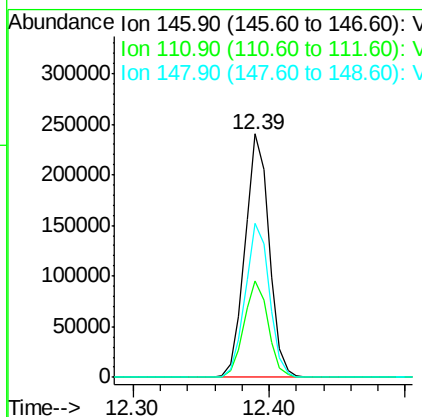
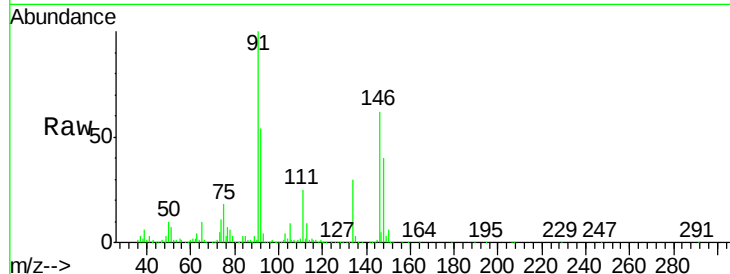
#91
 1,2-Dichlorobenzene
 Concen: 20.233 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	297339		
111	39.6	19.4	58.2	
148	63.8	32.3	96.9	

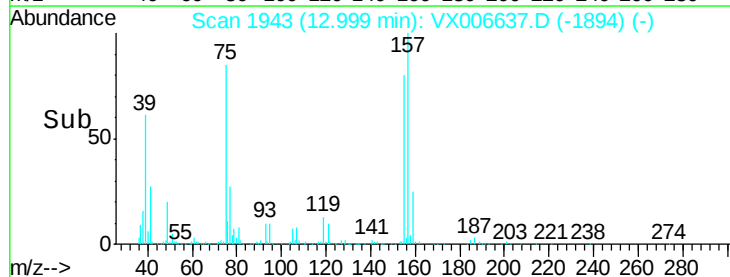
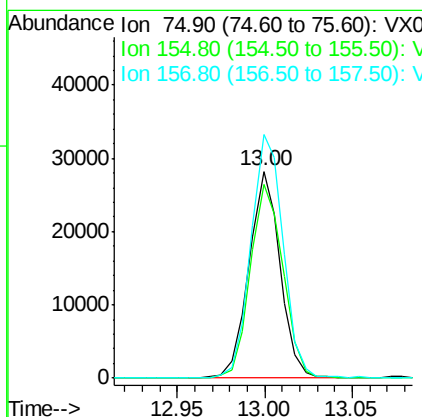
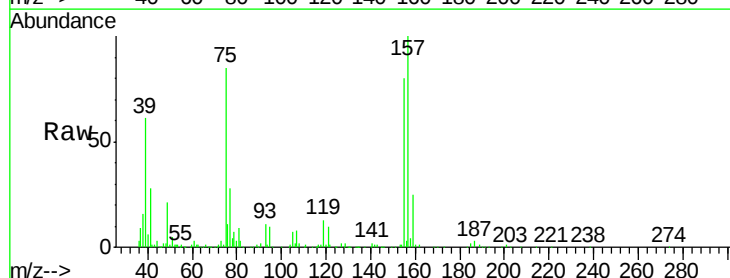
Manual Integrations
 APPROVED

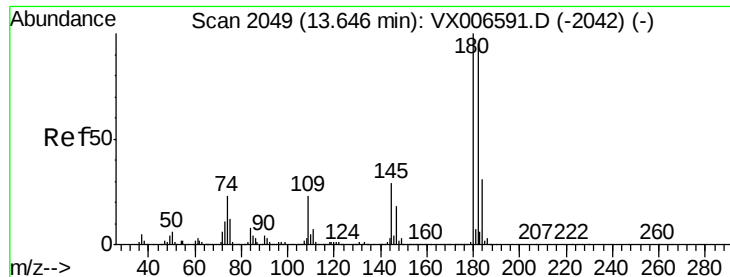
MMDadoda
 12/20/2018 10:00:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.800 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34880		
155	99.2	50.6	151.8	
157	123.0	64.6	193.8	





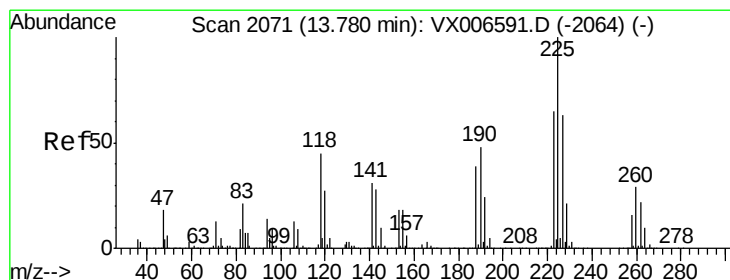
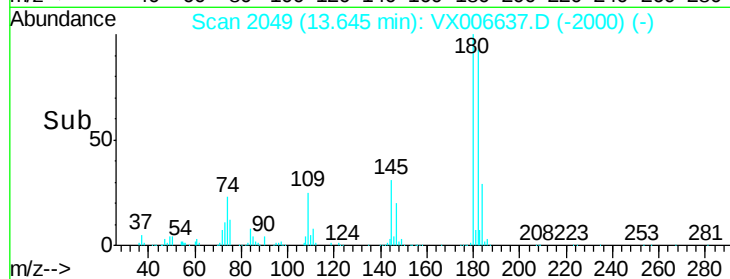
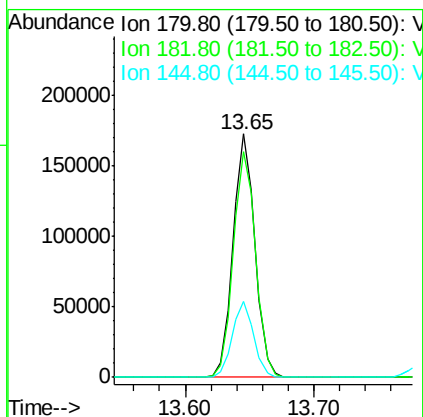
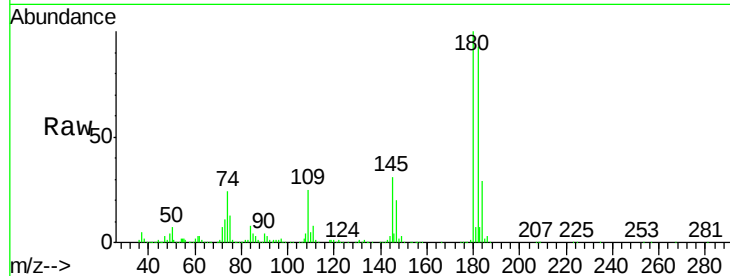
#93
1,2,4-Trichlorobenzene
Concen: 20.305 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	205836		
182	94.5	47.3	142.0	
145	30.7	14.8	44.3	

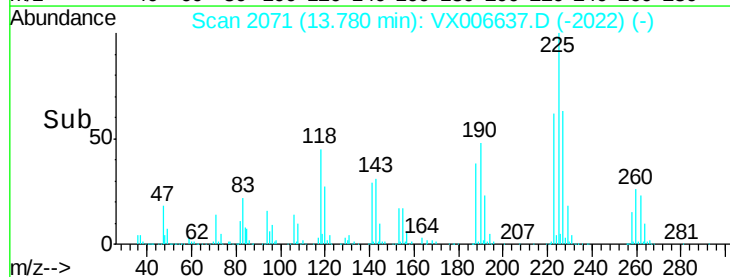
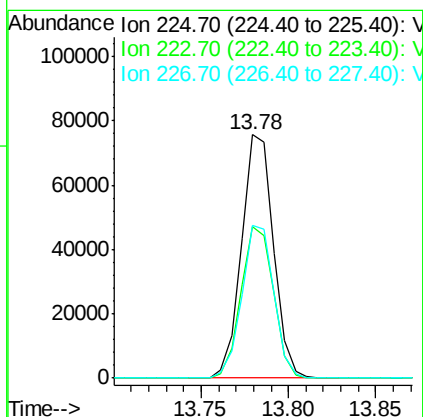
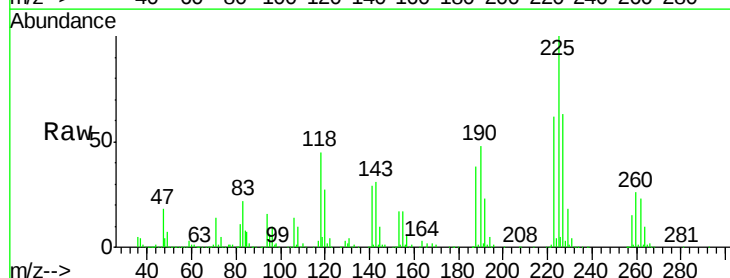
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12/20/2018 10:00:22 AM



#94
Hexachlorobutadiene
Concen: 20.031 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95711		
223	63.2	32.1	96.3	
227	62.8	32.3	96.8	





#95

Naphthalene

Concen: 19.651 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

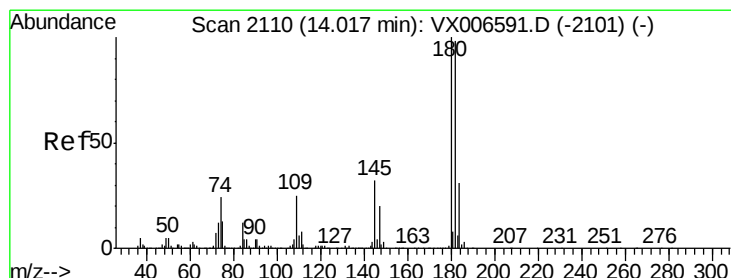
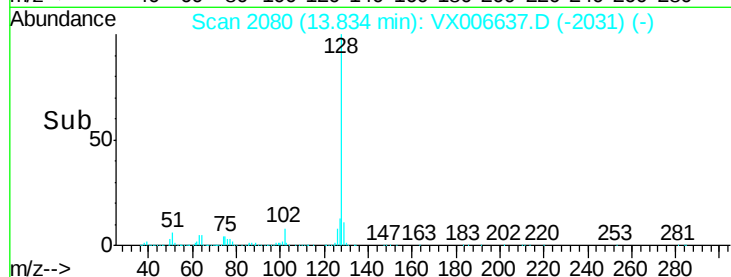
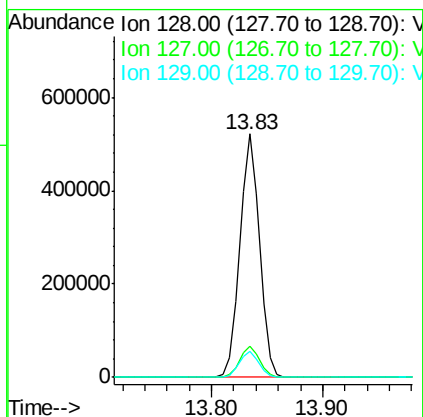
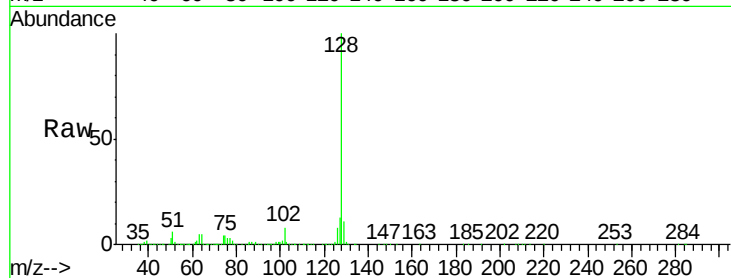
ClientSampleId :

VX1219WBS01

Tot Ion:	128	Resp:	635799
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
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MMDadoda
12/20/2018 10:00:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.440 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion:	180	Resp:	203469
Ion Ratio	Lower	Upper	
180	100		
182	97.3	48.5	145.5
145	32.5	16.0	47.9

