

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010719\
 Data File : VX006928.D
 Acq On : 07 Jan 2019 11:55
 Operator : JC/MD
 Sample : VX0107WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0107WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:33:32 AM

Quant Time: Jan 08 06:48:43 2019
 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	5.66	168	519899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	768147	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	687802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	352147	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	278123	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	5.51	113	257223	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	8.71	98	916821	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.13	95	324634	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	75820	15.941	ug/l 97
3) Chloromethane	1.33	50	81635	15.932	ug/l 100
4) Vinyl Chloride	1.41	62	91424	17.083	ug/l 100
5) Bromomethane	1.64	94	92639	17.296	ug/l 94
6) Chloroethane	1.71	64	61766	16.669	ug/l 96
7) Trichlorofluoromethane	1.93	101	154353	18.500	ug/l 99
8) Diethyl Ether	2.19	74	62973	19.002	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	93451	19.076	ug/l 99
10) Methyl Iodide	2.51	142	126002	17.968	ug/l 99
11) Tert butyl alcohol	3.08	59	134163	107.288	ug/l 99
12) 1,1-Dichloroethene	2.37	96	82854	17.837	ug/l 99
13) Acrolein	2.29	56	71803	85.116	ug/l 99
14) Allyl chloride	2.73	41	150016	19.186	ug/l 99
15) Acrylonitrile	3.15	53	291579	105.017	ug/l 99
16) Acetone	2.45	43	267172	103.784	ug/l 99
17) Carbon Disulfide	2.57	76	169613	13.798	ug/l 98
18) Methyl Acetate	2.78	43	177908	23.503	ug/l 98
19) Methyl tert-butyl Ether	3.20	73	331433	21.497	ug/l 99
20) Methylene Chloride	2.85	84	102297	19.217	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	90841	17.650	ug/l 95
22) Diisopropyl ether	3.87	45	304870	21.313	ug/l 95
23) Vinyl Acetate	3.82	43	1199316	102.502	ug/l 99
24) 1,1-Dichloroethane	3.70	63	169769	19.882	ug/l 97
25) 2-Butanone	4.70	43	374964	103.550	ug/l 100
26) 2,2-Dichloropropane	4.59	77	127526	19.334	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	110521	19.463	ug/l 98
28) Bromochloromethane	5.01	49	78441	20.706	ug/l 97
29) Tetrahydrofuran	5.15	42	244656	102.583	ug/l 98
30) Chloroform	5.21	83	177416	20.064	ug/l 98
31) Cyclohexane	5.57	56	132321	17.057	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	147333	19.733	ug/l 99
36) 1,1-Dichloropropene	5.80	75	120287	18.907	ug/l 98
37) Ethyl Acetate	4.85	43	141194	21.323	ug/l 98
38) Carbon Tetrachloride	5.78	117	121115	19.589	ug/l 92

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Manual Integrations
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MMDadoda
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 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)
39) Methylcyclohexane	7.46	83	140031	16.719	ug/l	92
40) Benzene	6.14	78	381091	19.706	ug/l	99
41) Methacrylonitrile	5.06	41	80042	22.768	ug/l	98
42) 1,2-Dichloroethane	6.20	62	132656	20.131	ug/l	100
43) Isopropyl Acetate	6.46	43	224122	22.245	ug/l	99
44) Trichloroethene	7.21	130	111503	19.050	ug/l	93
45) 1,2-Dichloropropane	7.52	63	98836	21.002	ug/l	98
46) Dibromomethane	7.66	93	69773	20.157	ug/l	100
47) Bromodichloromethane	7.90	83	119565	20.805	ug/l	100
48) Methyl methacrylate	7.77	41	110624	21.591	ug/l	98
49) 1,4-Dioxane	7.75	88	54002	390.723	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	725584	113.186	ug/l	99
52) Toluene	8.79	92	248955	19.927	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	127820	20.738	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	144962	21.435	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	107187	20.960	ug/l	92
56) Ethyl methacrylate	9.18	69	153721	21.268	ug/l	96
57) 1,3-Dichloropropane	9.37	76	169933	20.654	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	387347	100.819	ug/l	99
59) 2-Hexanone	9.49	43	540230	110.142	ug/l	100
60) Dibromochloromethane	9.58	129	105748	21.177	ug/l	96
61) 1,2-Dibromoethane	9.67	107	113738	20.923	ug/l	98
64) Tetrachloroethene	9.34	164	109073	20.027	ug/l	97
65) Chlorobenzene	10.14	112	293145	20.146	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	103967	22.901	ug/l	98
67) Ethyl Benzene	10.25	91	464582	19.539	ug/l	100
68) m/p-Xylenes	10.36	106	368166	39.240	ug/l	99
69) o-Xylene	10.70	106	182648	19.714	ug/l	97
70) Styrene	10.71	104	291172	19.865	ug/l	99
71) Bromoform	10.86	173	74705	21.076	ug/l	100
73) Isopropylbenzene	11.02	105	482724	20.037	ug/l	100
74) N-amyl acetate	10.90	43	192305	22.301	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	157420	21.972	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	146537m	22.391	ug/l	
77) Bromobenzene	11.26	156	131823	20.240	ug/l	99
78) n-propylbenzene	11.36	91	532088	20.057	ug/l	99
79) 2-Chlorotoluene	11.42	91	315598	19.631	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	403216	20.320	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	38705	20.707	ug/l	96
82) 4-Chlorotoluene	11.51	91	362437	19.654	ug/l	99
83) tert-Butylbenzene	11.77	119	409988	20.644	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	409889	19.639	ug/l	100
85) sec-Butylbenzene	11.94	105	478911	19.669	ug/l	100
86) p-Isopropyltoluene	12.07	119	431978	20.182	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	230952	19.675	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	230684	19.170	ug/l	98
89) n-Butylbenzene	12.39	91	355408	19.511	ug/l	99
90) Hexachloroethane	12.60	117	61013	20.307	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	232096	19.766	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	30732	20.730	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0107WBS01

Manual Integrations
APPROVED

MMDadoda
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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)
93) 1,2,4-Trichlorobenzene	13.65	180	159064	19.638	ug/l	100
94) Hexachlorobutadiene	13.78	225	72500	18.990	ug/l	97
95) Naphthalene	13.83	128	493060	19.073	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	160789	19.226	ug/l	98

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

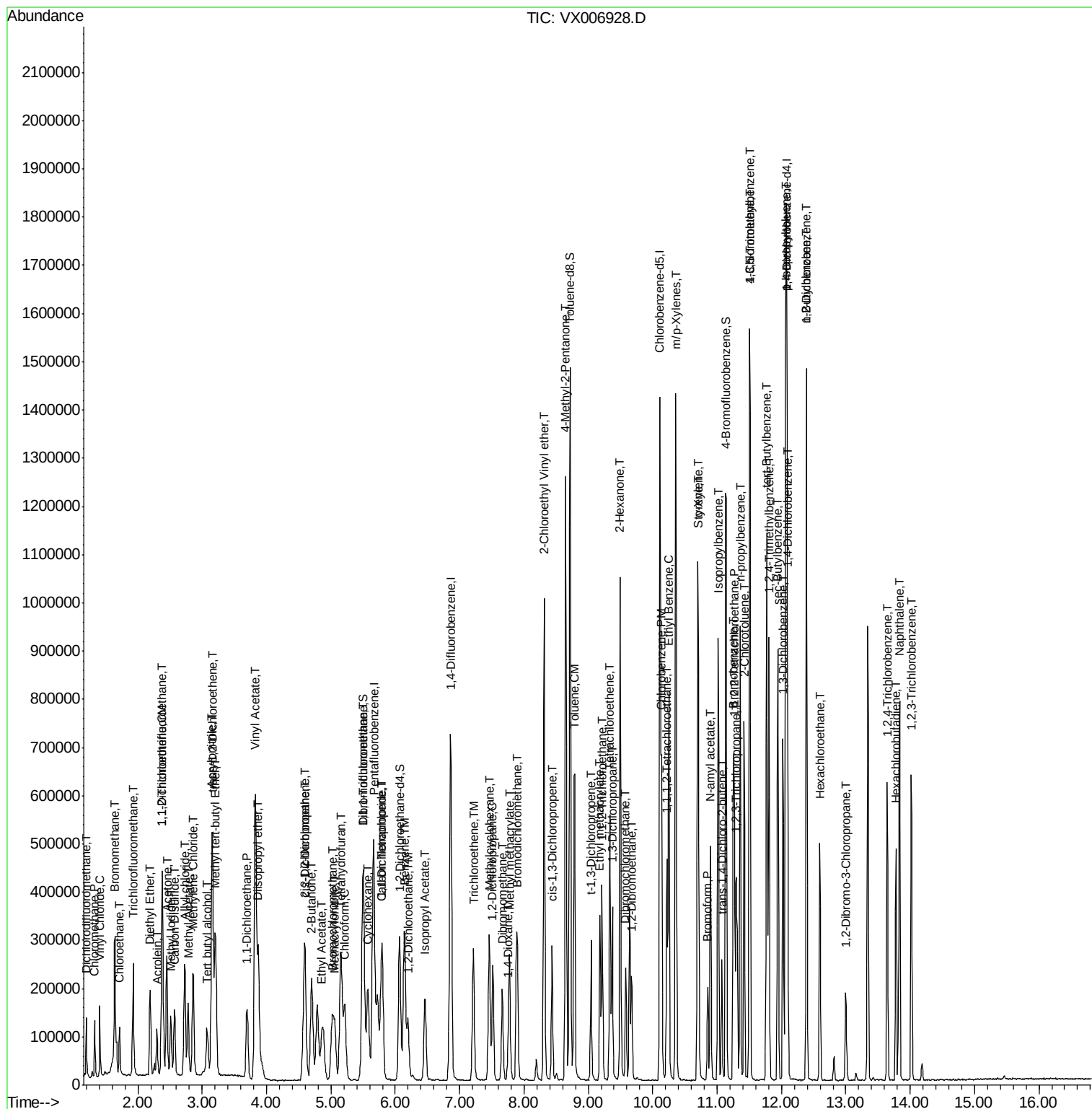
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Data File : VX006928.D
Acq On : 07 Jan 2019 11:55
Operator : JC/MD
Sample : VX0107WBS01
Misc : 5.0mL/MSVOA X/WATER
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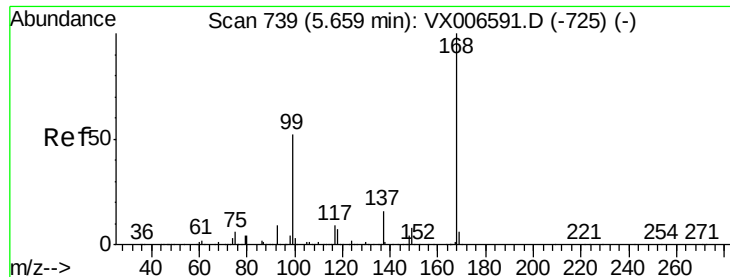
Instrument :
MSVOA_X
Client Sampled :
VX0107WBS01

Manual Integrations
APPROVED

MMDadoda
1/8/2019 9:33:32 AM

Quant Time: Jan 08 06:48:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampled :

VX0107WBS01

Tot Ion:168 Resp: 519899

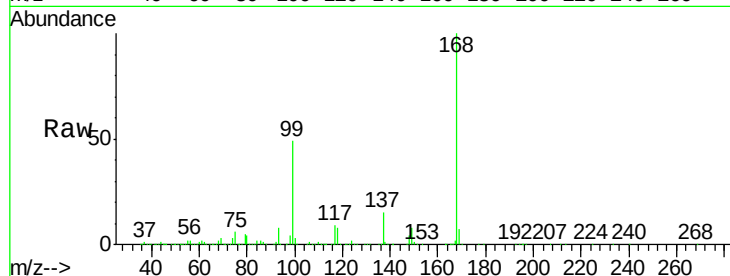
Ion Ratio Lower Upper

168 100

99 49.1 41.8 62.8

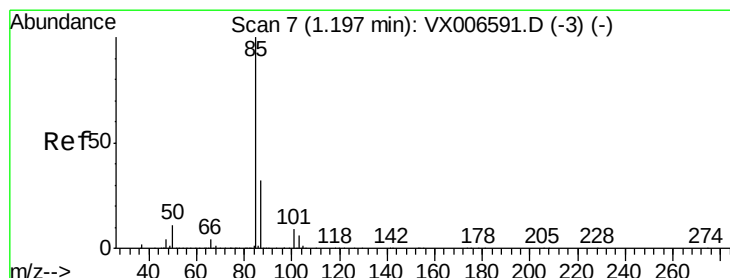
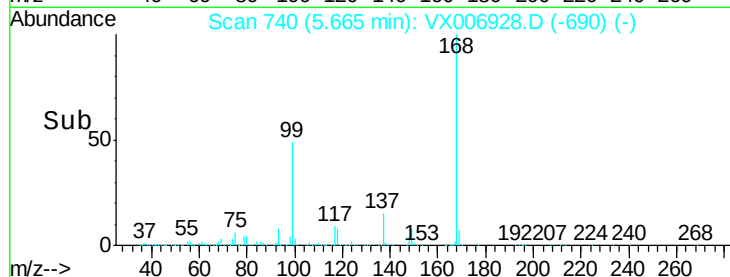
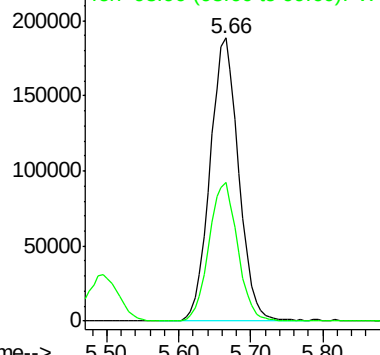
Manual Integrations
APPROVED

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1/8/2019 9:33:32 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 15.941 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006928.D

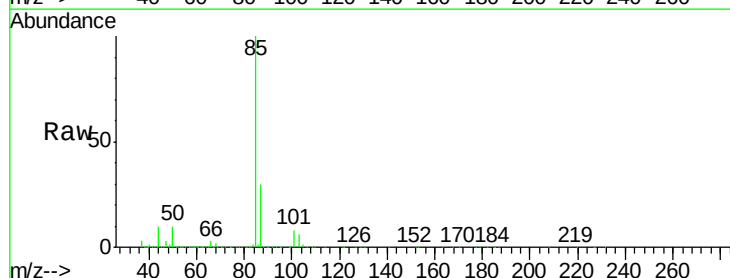
Acq: 07 Jan 2019 11:55

Tgt Ion: 85 Resp: 75820

Ion Ratio Lower Upper

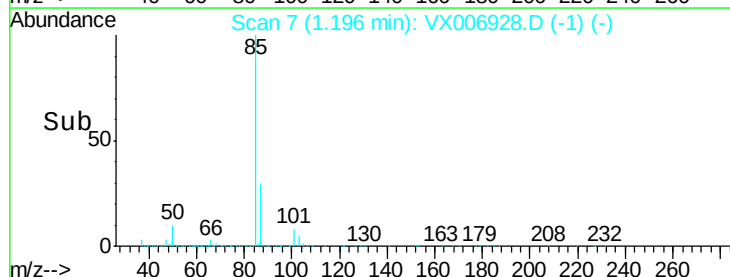
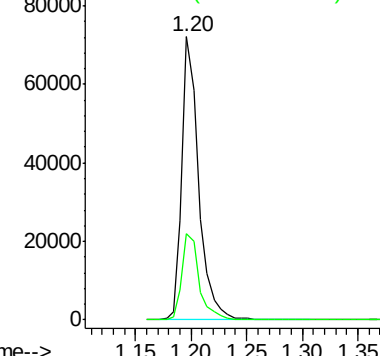
85 100

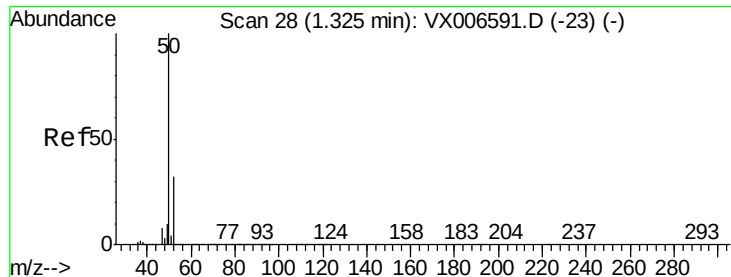
87 30.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 15.932 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBS01

Tot Ion: 50 Resp: 81635

Ion Ratio Lower Upper

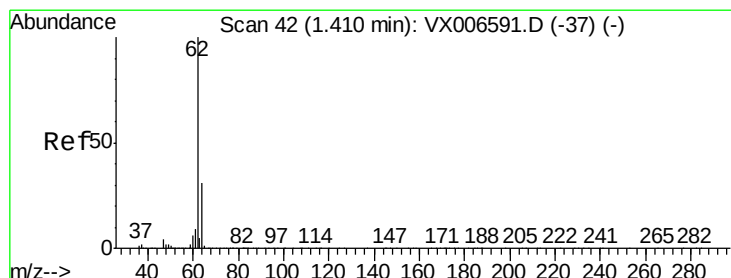
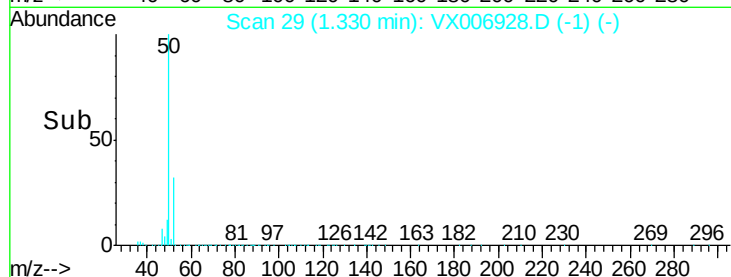
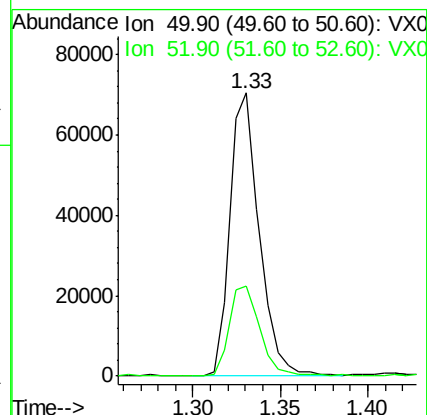
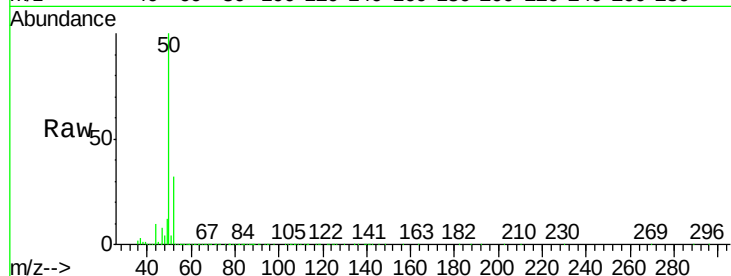
50 100

52 32.0 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.083 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006928.D

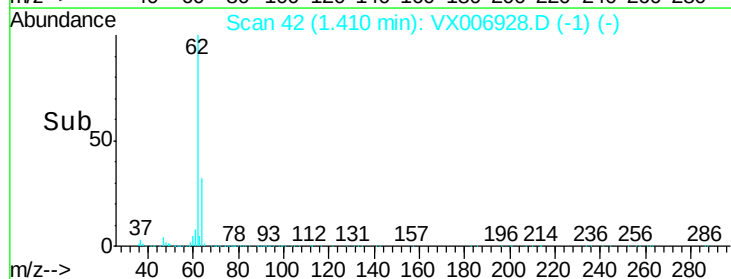
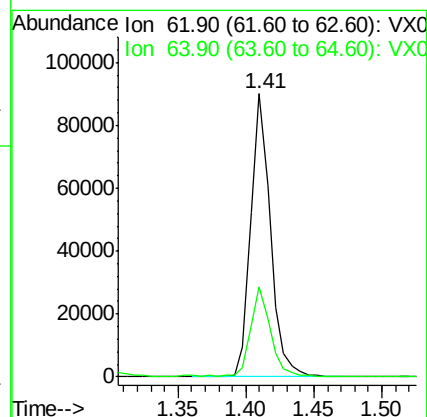
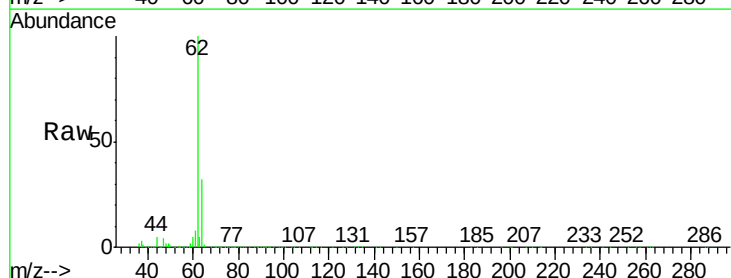
Acq: 07 Jan 2019 11:55

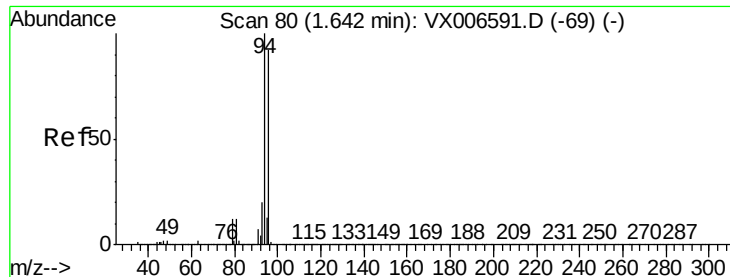
Tgt Ion: 62 Resp: 91424

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





#5

Bromomethane

Concen: 17.296 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBS01

Tot Ion: 94 Resp: 92639

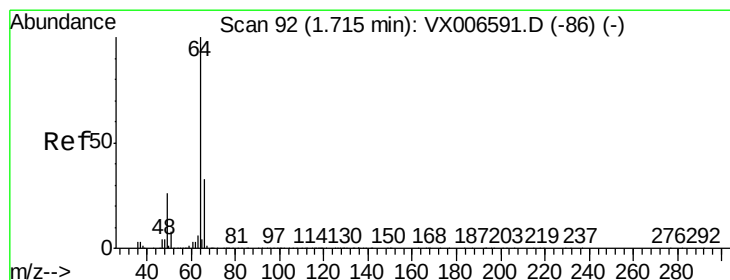
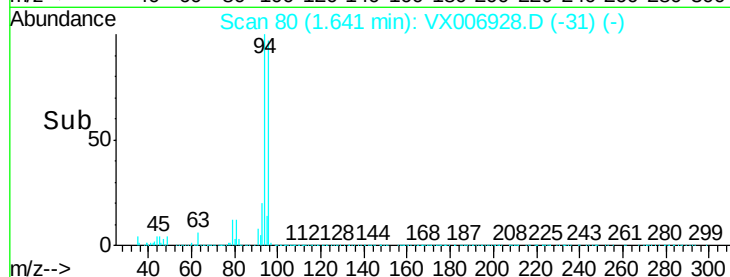
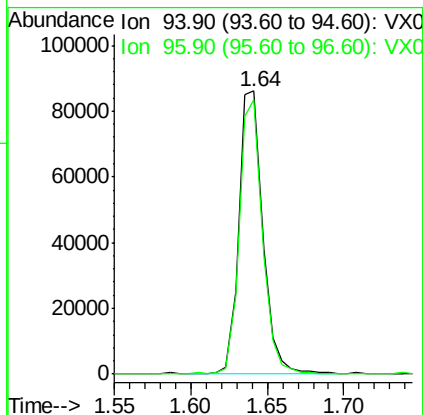
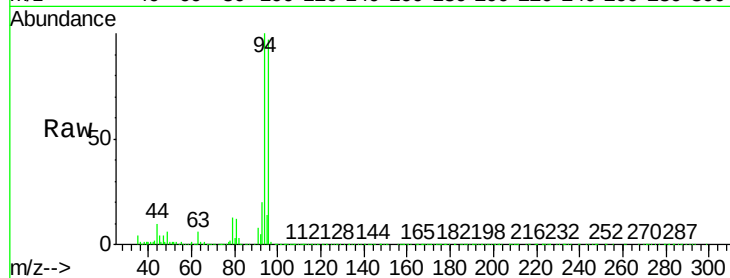
Ion Ratio Lower Upper

94 100

96 97.2 73.4 110.2

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#6

Chloroethane

Concen: 16.669 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006928.D

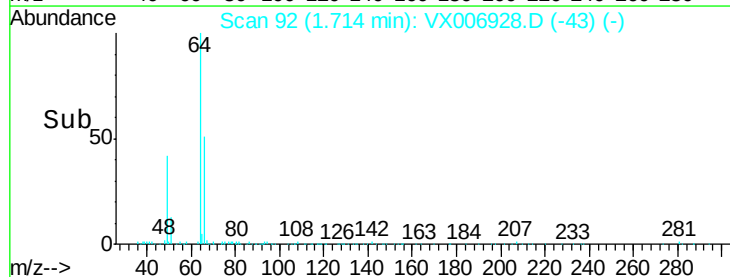
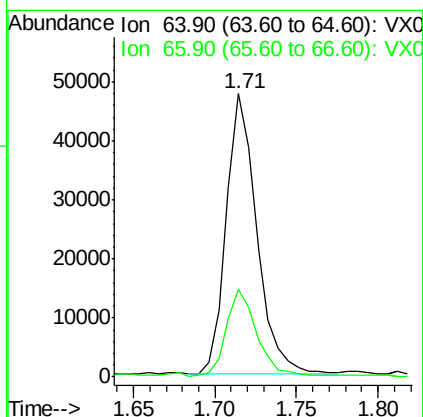
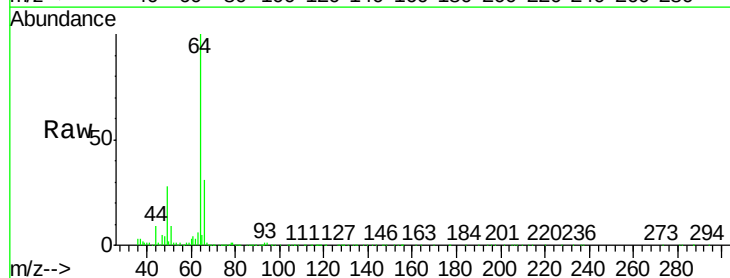
Acq: 07 Jan 2019 11:55

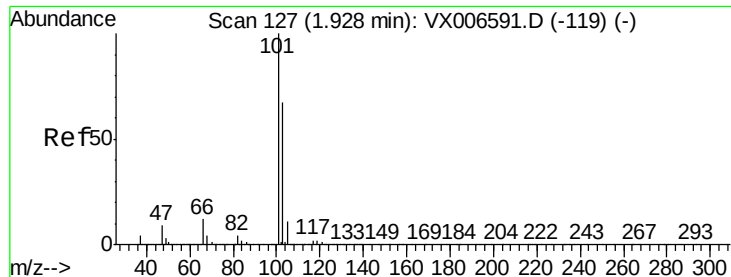
Tgt Ion: 64 Resp: 61766

Ion Ratio Lower Upper

64 100

66 30.8 26.4 39.6





#7

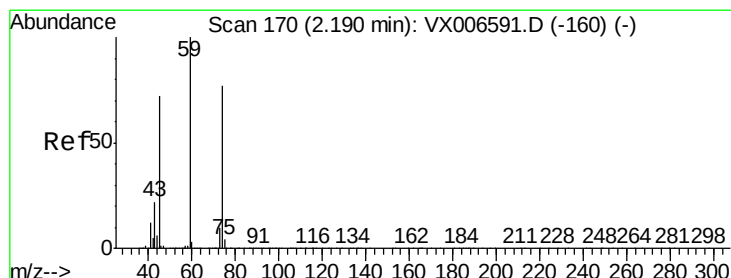
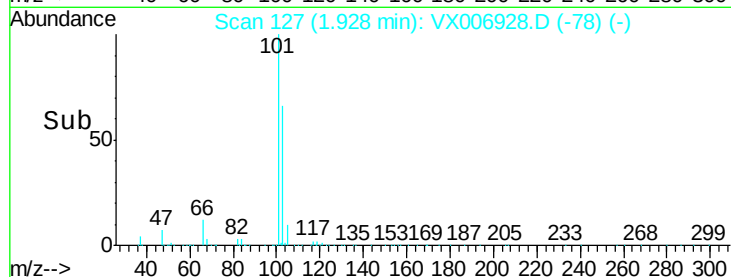
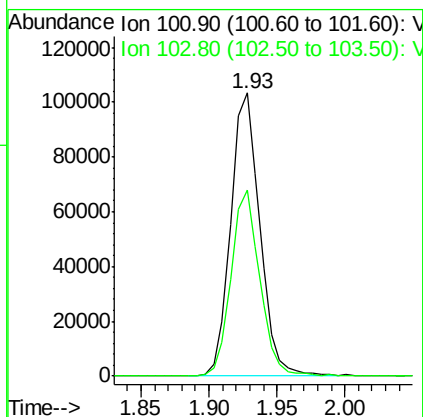
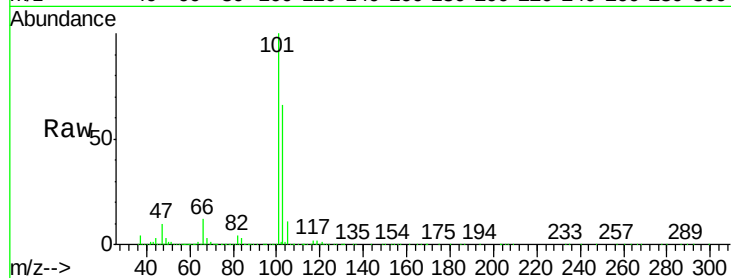
Trichlorofluoromethane
Concen: 18.500 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		154353		
103	65.7	53.2	79.8		

Manual Integrations
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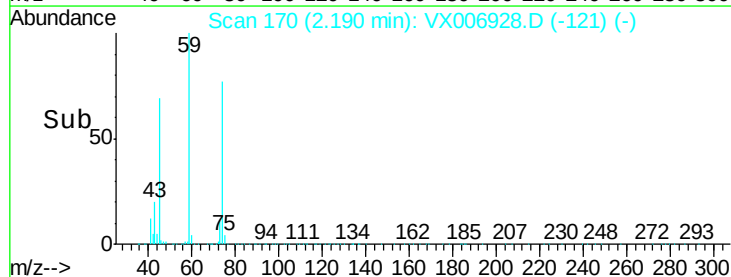
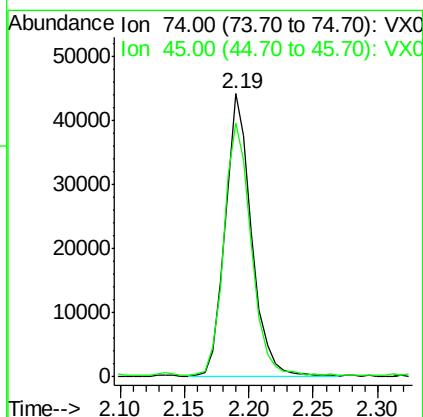
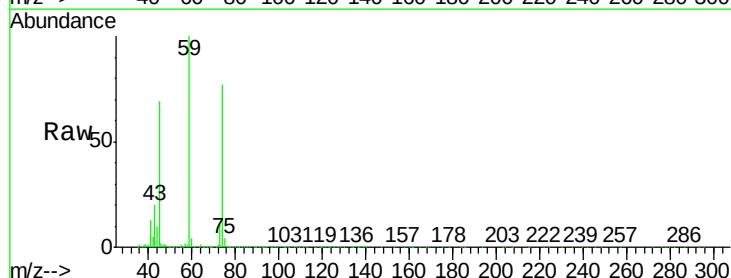
MMDadoda
1/8/2019 9:33:32 AM

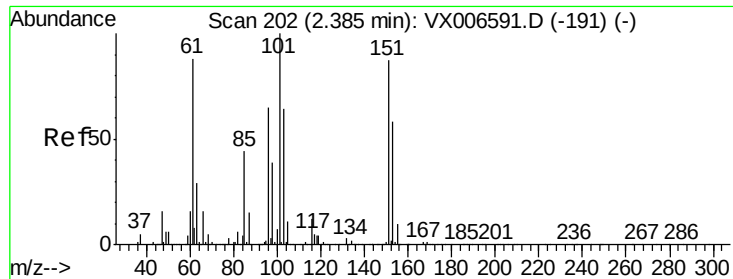


#8

Diethyl Ether
Concen: 19.002 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		62973		
45	92.3	46.3	138.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.076 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

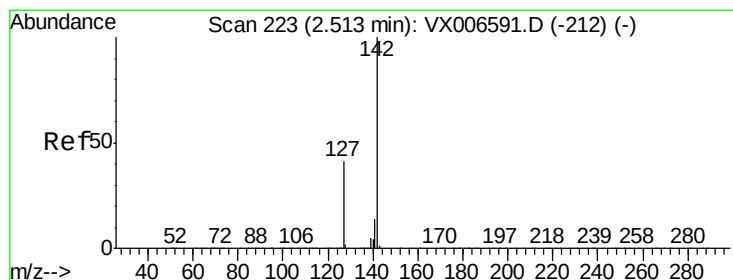
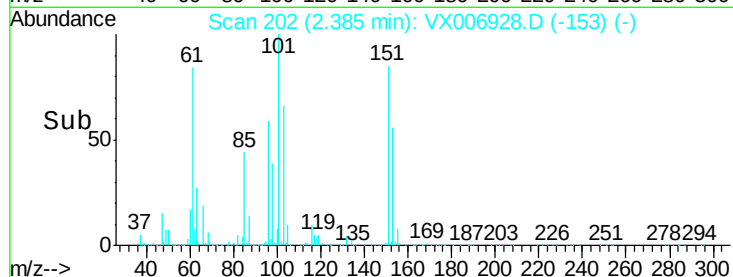
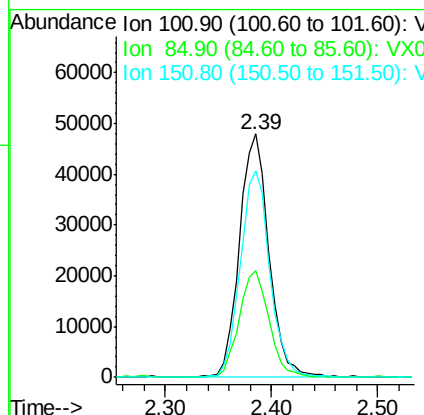
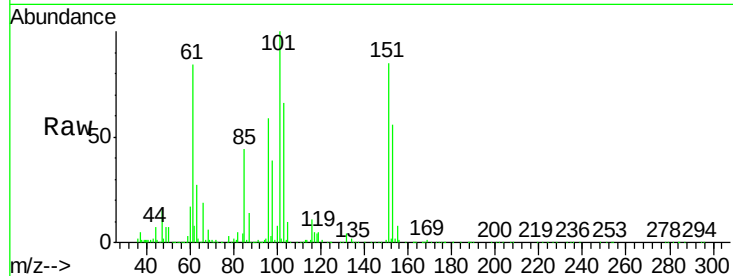
ClientSampleId :

VX0107WBS01

Tot Ion:	101	Resp:	93451
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.1	52.7
151	85.3	68.9	103.3

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#10

Methyl Iodide

Concen: 17.968 ug/l

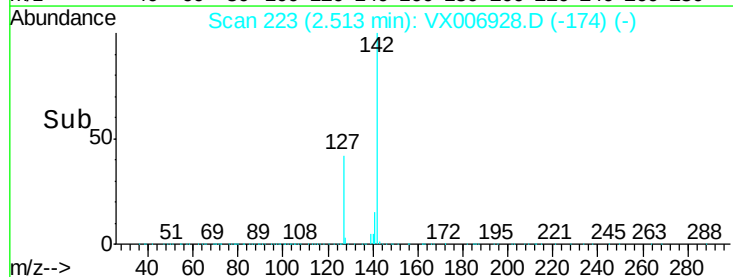
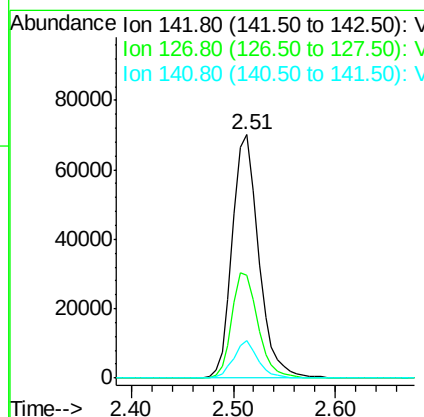
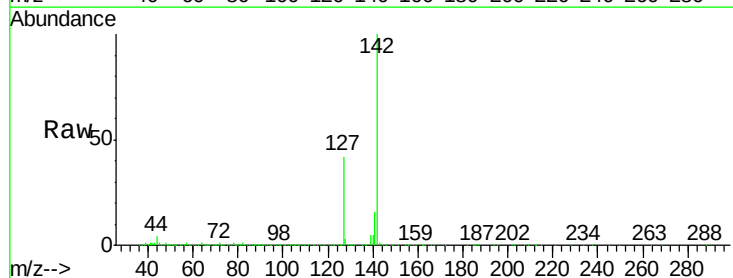
RT: 2.51 min Scan# 223

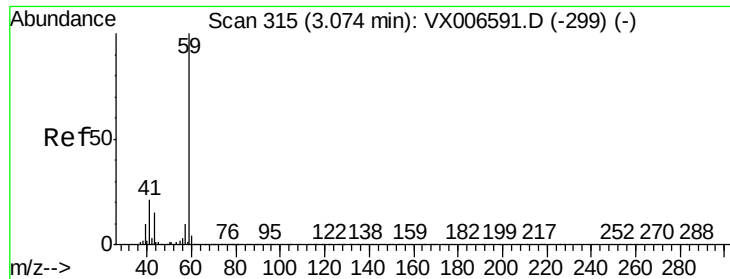
Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Tgt Ion:	142	Resp:	126002
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.9	50.9
141	14.5	11.4	17.0





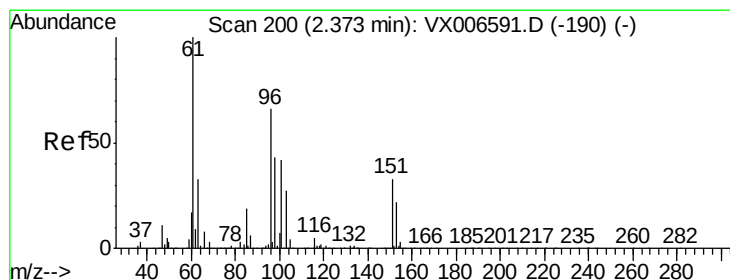
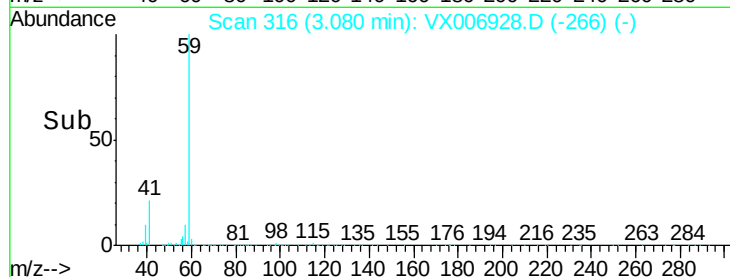
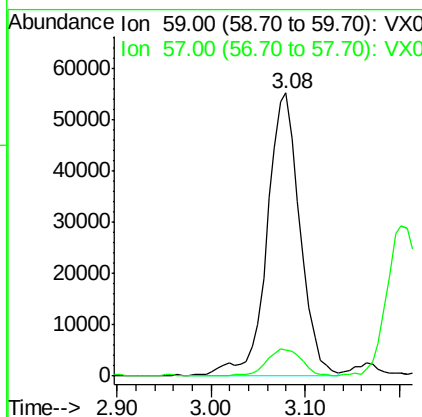
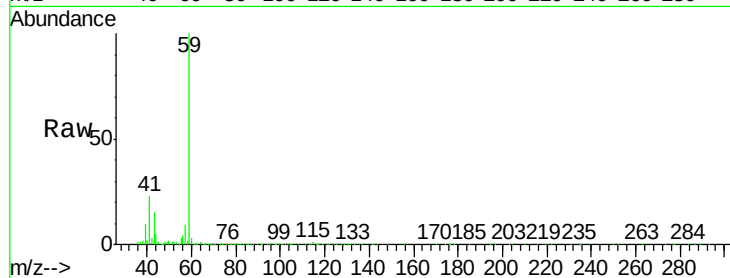
#11
Tert butyl alcohol
Concen: 107.288 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion: 59 Resp: 134163
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

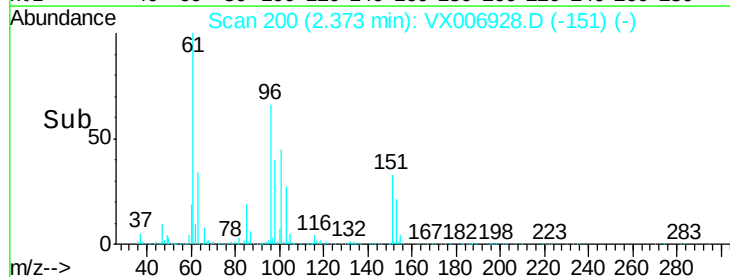
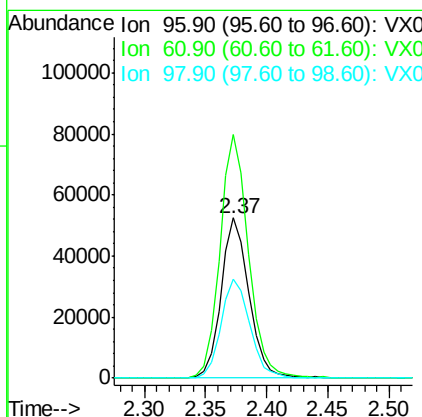
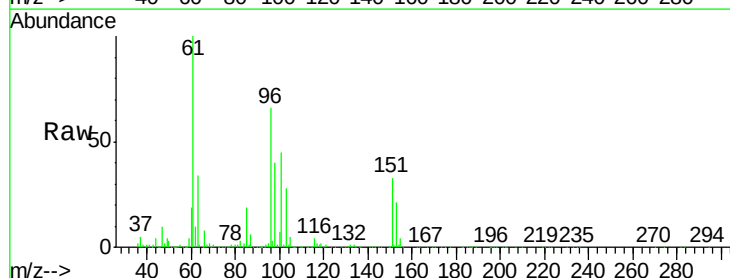
Manual Integrations
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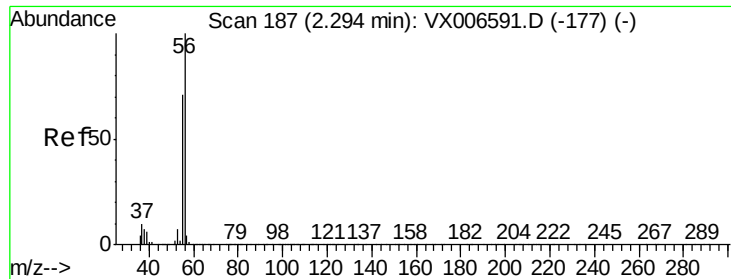
MMDadoda
1/8/2019 9:33:32 AM



#12
1,1-Dichloroethene
Concen: 17.837 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion: 96 Resp: 82854
Ion Ratio Lower Upper
96 100
61 151.9 121.4 182.2
98 61.4 51.9 77.9





#13

Acrolein

Concen: 85.116 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampled :

VX0107WBS01

Tot Ion: 56 Resp: 71803

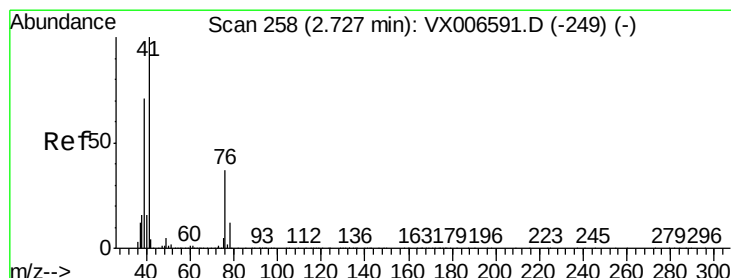
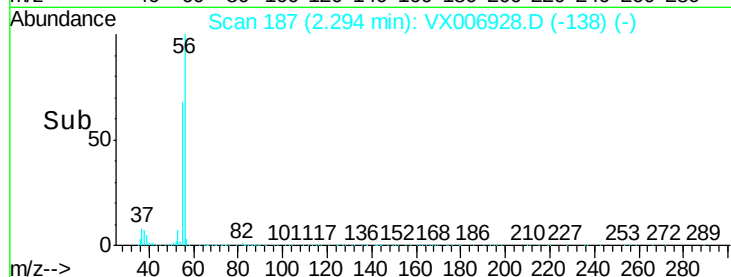
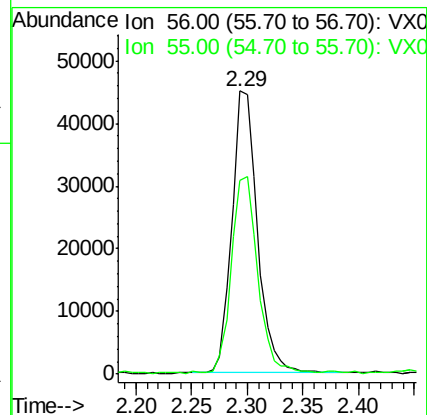
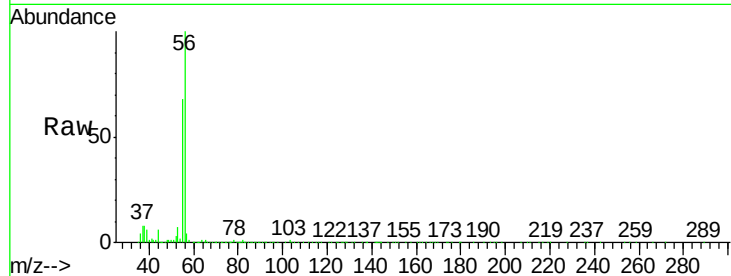
Ion Ratio Lower Upper

56 100

55 71.9 58.2 87.4

Manual Integrations
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1/8/2019 9:33:32 AM



#14

Allyl chloride

Concen: 19.186 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

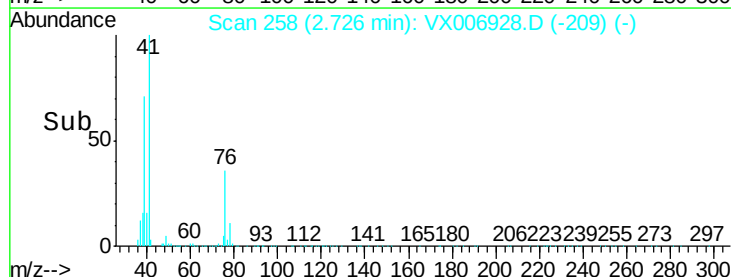
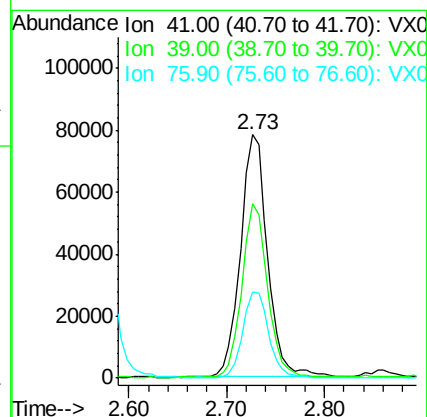
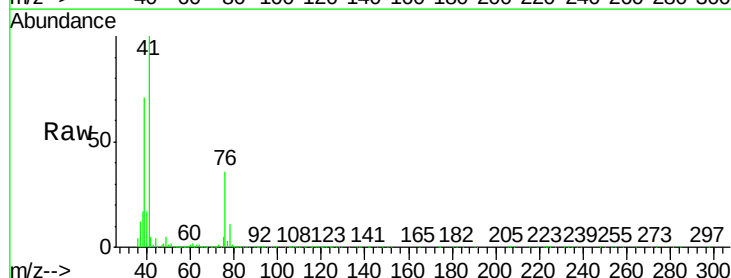
Tgt Ion: 41 Resp: 150016

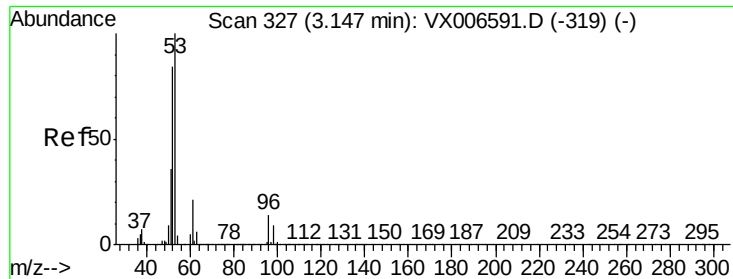
Ion Ratio Lower Upper

41 100

39 67.5 53.6 80.4

76 34.6 27.4 41.2





#15

Acrylonitrile

Concen: 105.017 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

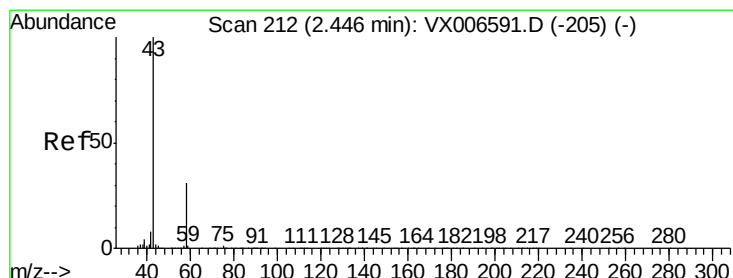
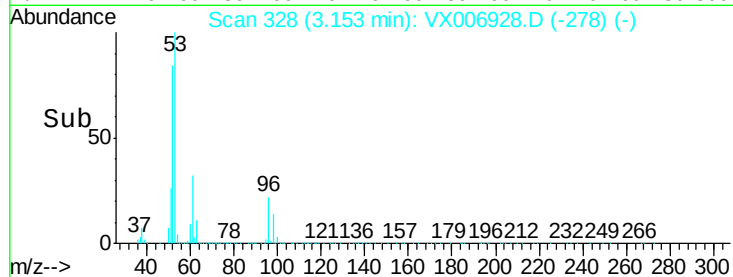
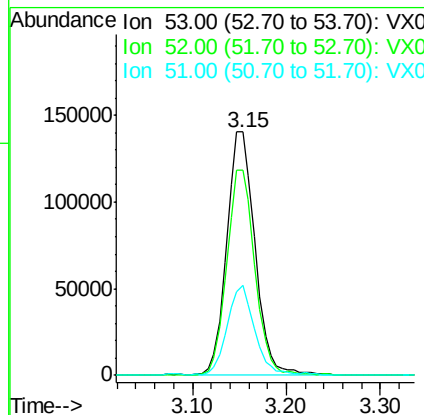
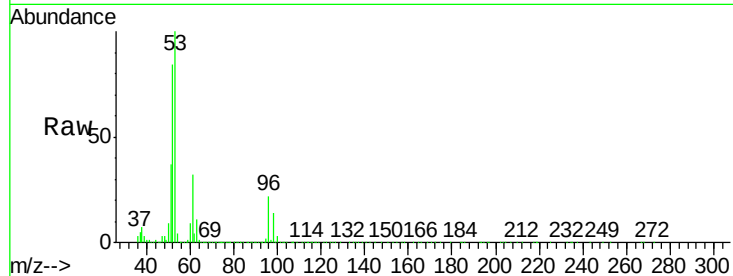
ClientSampleId :

VX0107WBS01

Tot Ion:	53	Resp:	291579
Ion Ratio		Lower	Upper
53	100		
52	83.8	66.0	99.0
51	36.0	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 103.784 ug/l

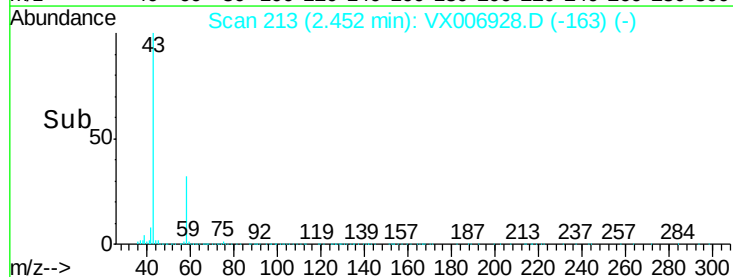
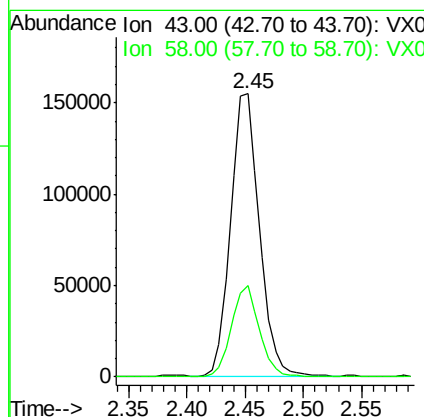
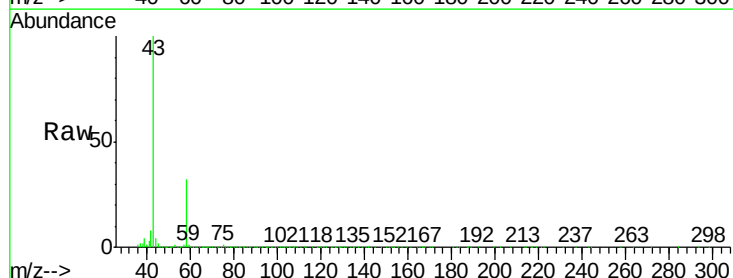
RT: 2.45 min Scan# 213

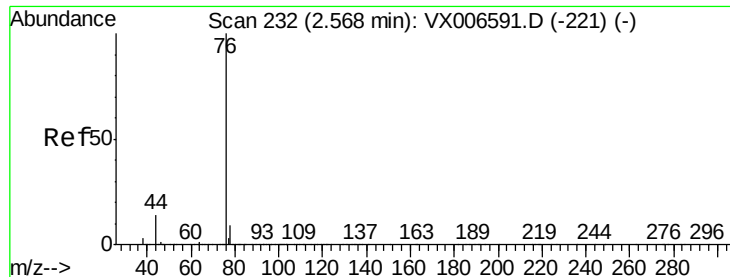
Delta R.T. 0.01 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Tgt Ion:	43	Resp:	267172
Ion Ratio		Lower	Upper
43	100		
58	32.1	25.0	37.6





#17

Carbon Disulfide

Concen: 13.798 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBS01

Tot Ion: 76 Resp: 169613

Ion Ratio Lower Upper

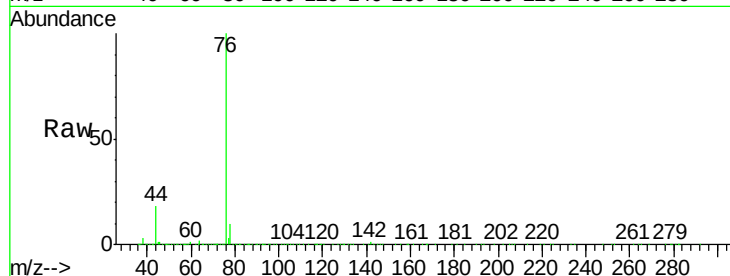
76 100

78 9.4 7.0 10.6

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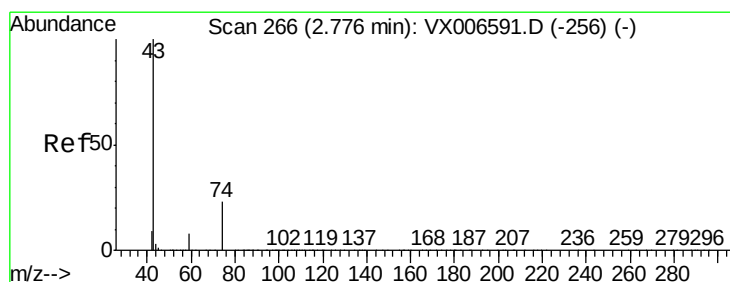
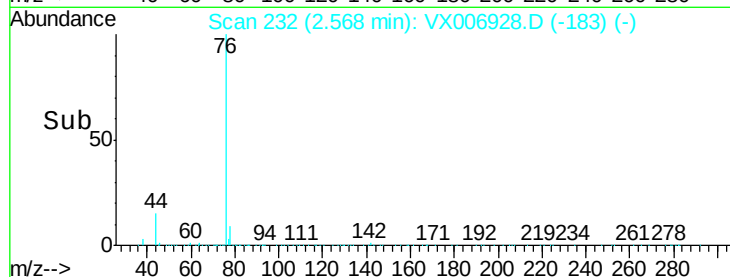
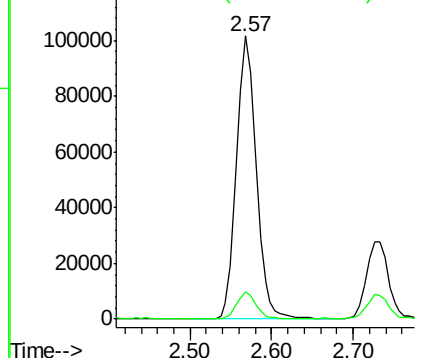
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.503 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006928.D

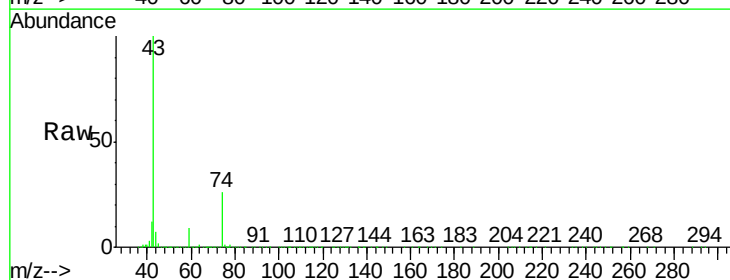
Acq: 07 Jan 2019 11:55

Tgt Ion: 43 Resp: 177908

Ion Ratio Lower Upper

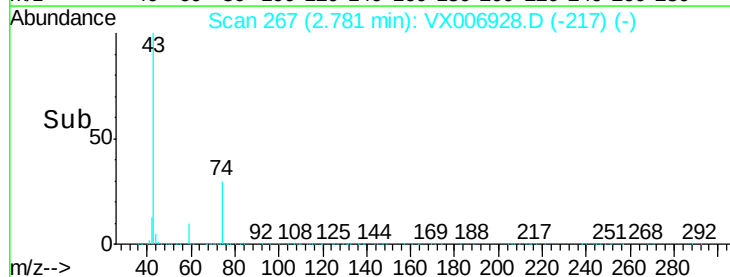
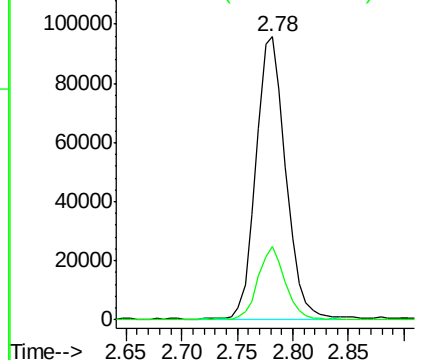
43 100

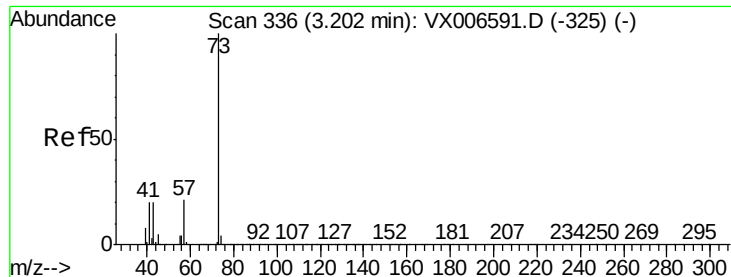
74 24.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





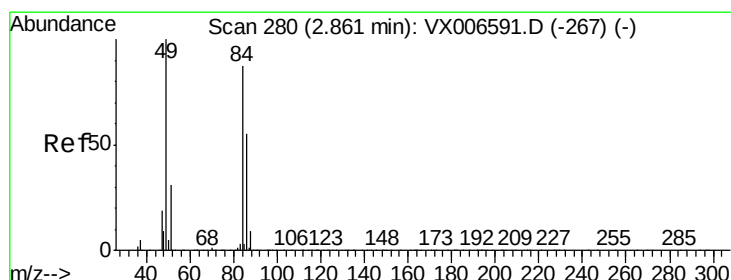
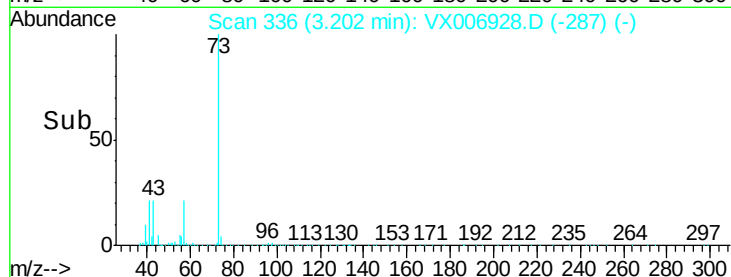
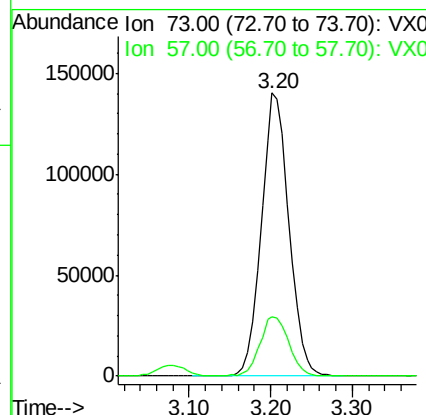
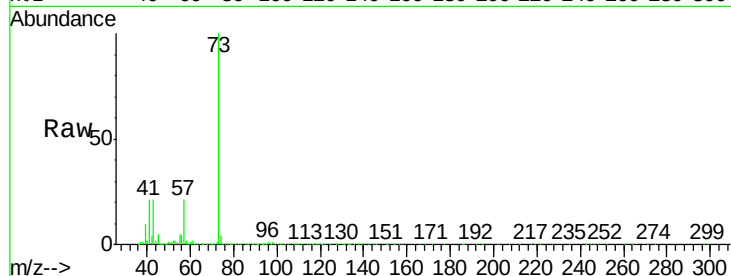
#19
Methyl tert-butyl Ether
Concen: 21.497 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	16.8	25.2

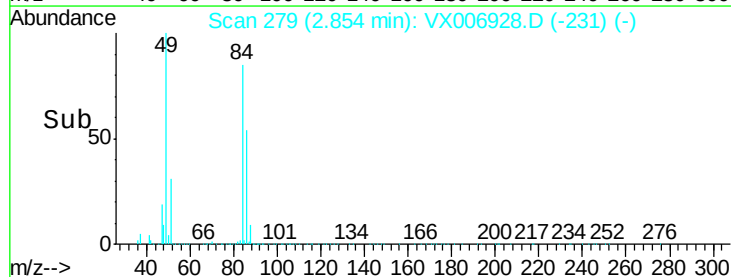
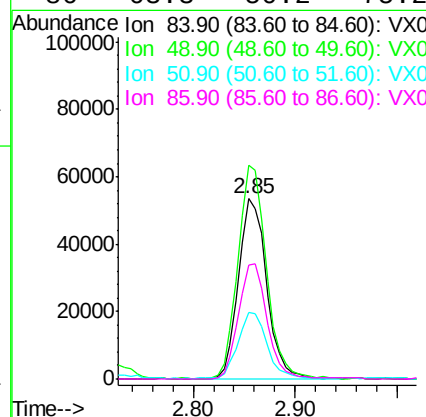
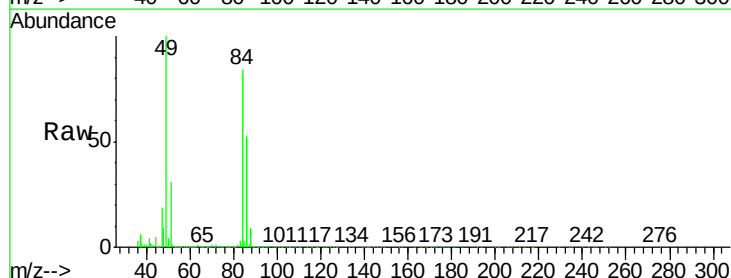
Manual Integrations
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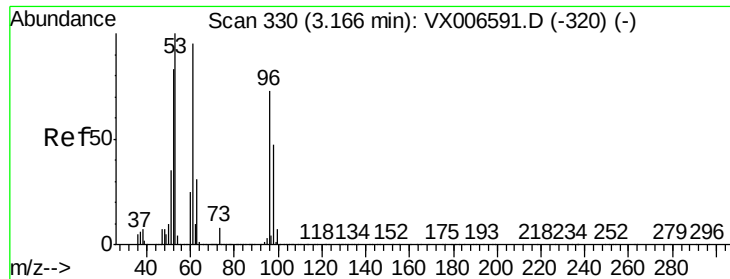
MMDadoda
1/8/2019 9:33:32 AM



#20
Methylene Chloride
Concen: 19.217 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.2	91.8	137.6
51	37.0	28.5	42.7
86	63.3	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 17.650 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

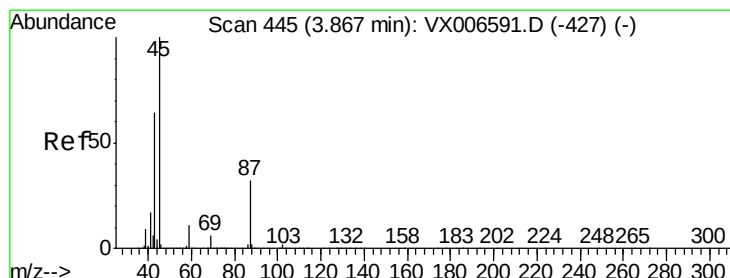
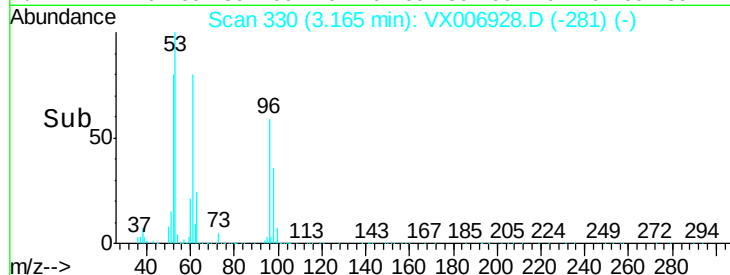
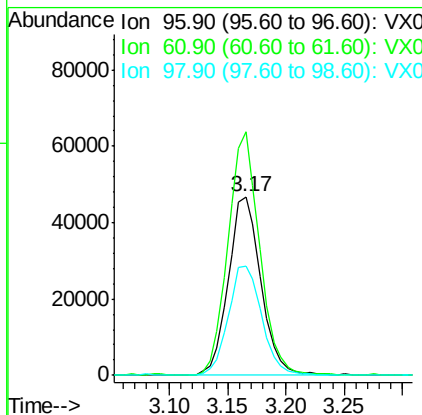
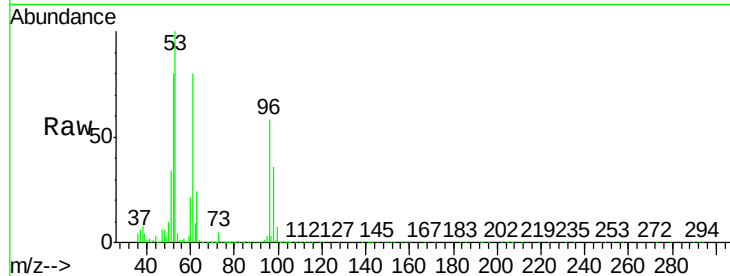
ClientSampleId :

VX0107WBS01

Tot Ion:	96	Resp:	90841
Ion	Ratio	Lower	Upper
96	100		
61	136.4	103.7	155.5
98	61.2	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.313 ug/l

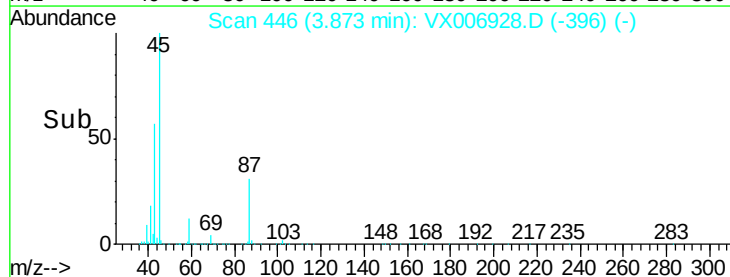
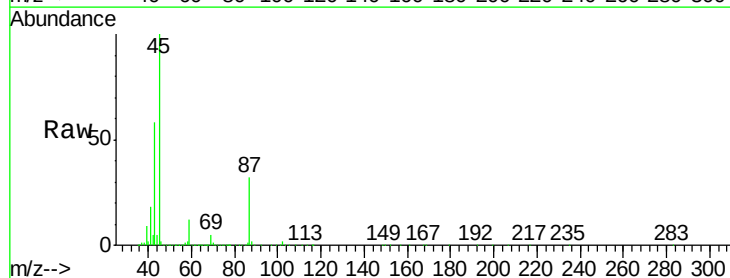
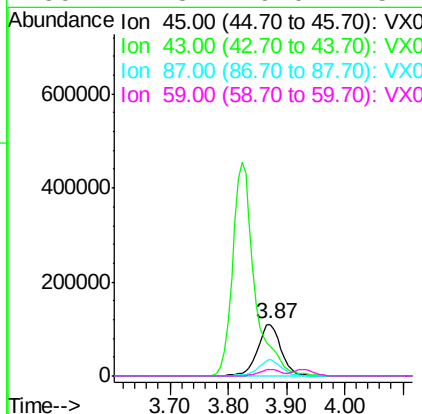
RT: 3.87 min Scan# 446

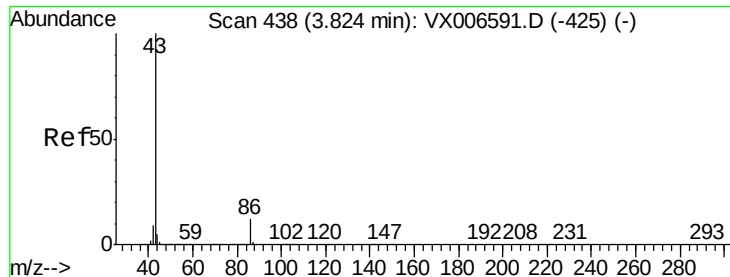
Delta R.T. 0.01 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Tgt Ion:	45	Resp:	304870
Ion	Ratio	Lower	Upper
45	100		
43	57.5	51.2	76.8
87	31.5	25.8	38.6
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 102.502 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBS01

Tot Ion: 43 Resp: 1199316

Ion Ratio Lower Upper

43 100

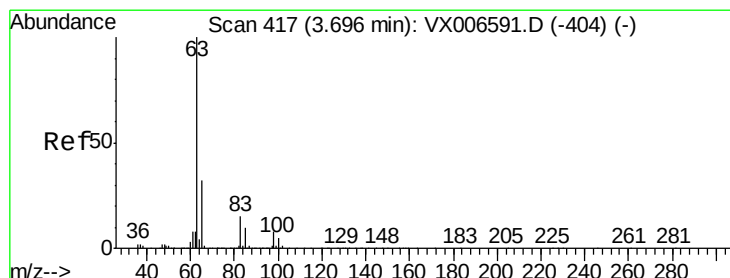
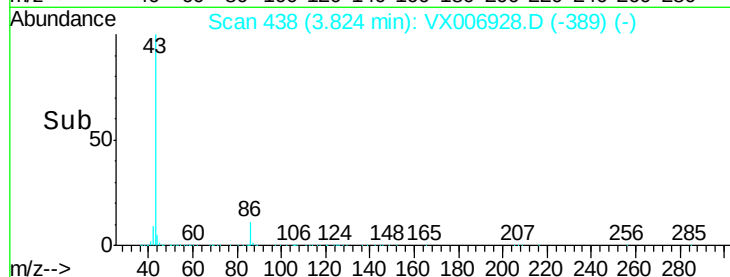
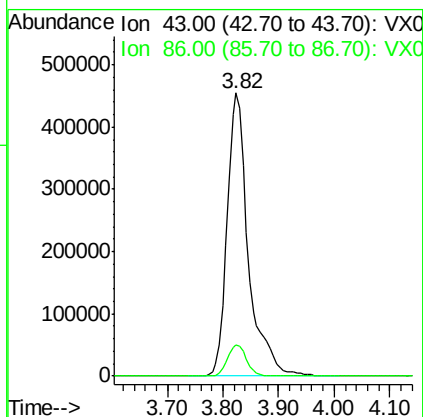
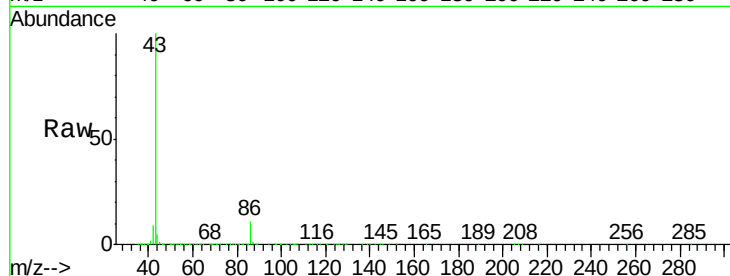
86 11.1 9.2 13.8

Manual Integrations

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MMDadoda

1/8/2019 9:33:32 AM



#24

1,1-Dichloroethane

Concen: 19.882 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

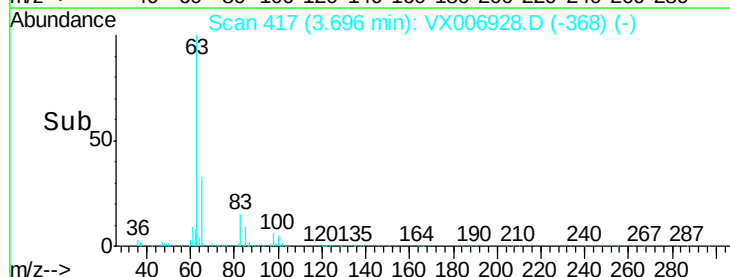
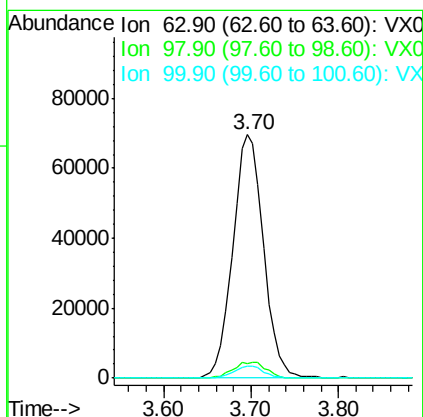
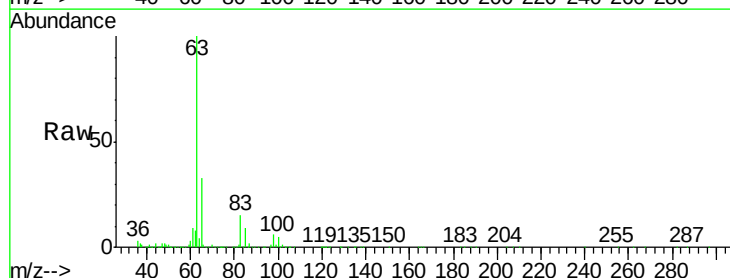
Tgt Ion: 63 Resp: 169769

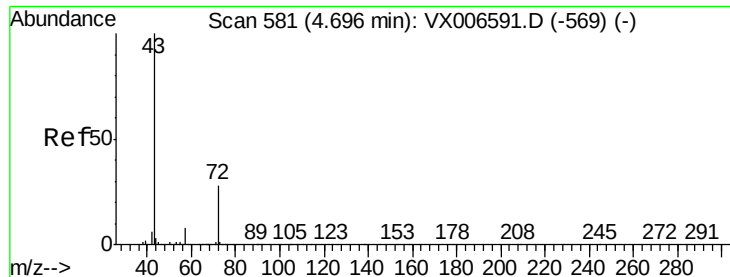
Ion Ratio Lower Upper

63 100

98 5.8 3.9 11.5

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 103.550 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampled :

VX0107WBS01

Tot Ion: 43 Resp: 374964

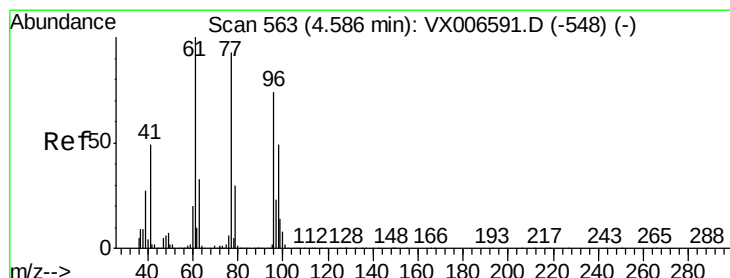
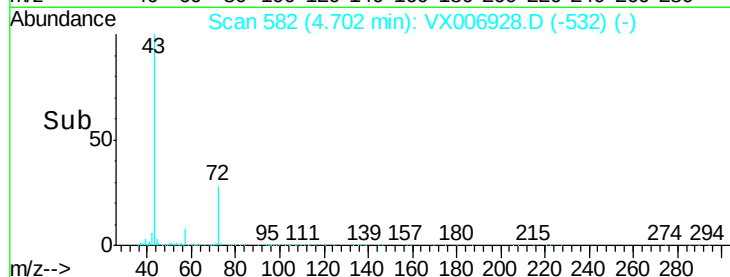
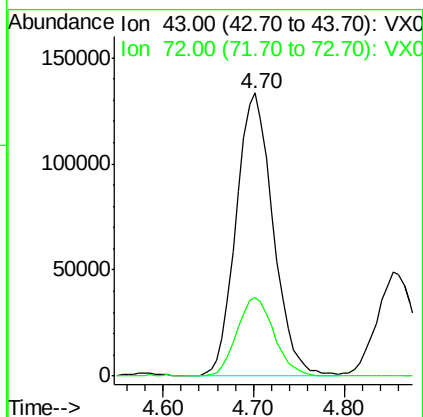
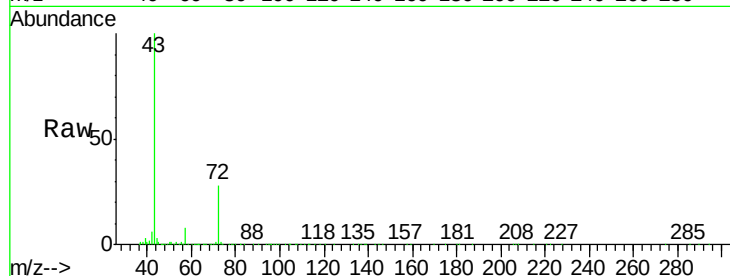
Ion Ratio Lower Upper

43 100

72 27.9 22.4 33.6

Manual Integrations
APPROVED

MMDadoda
1/8/2019 9:33:32 AM



#26

2,2-Dichloropropane

Concen: 19.334 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006928.D

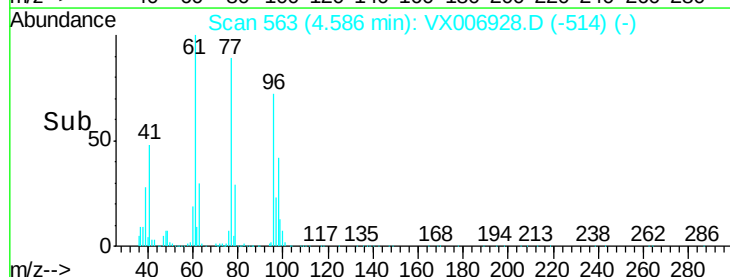
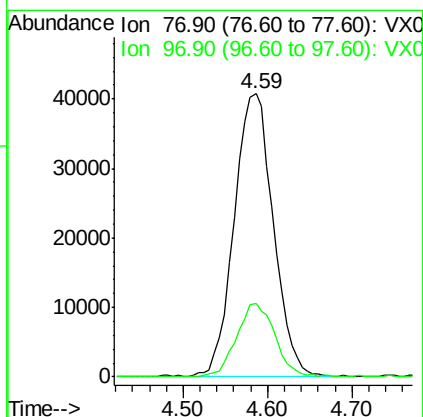
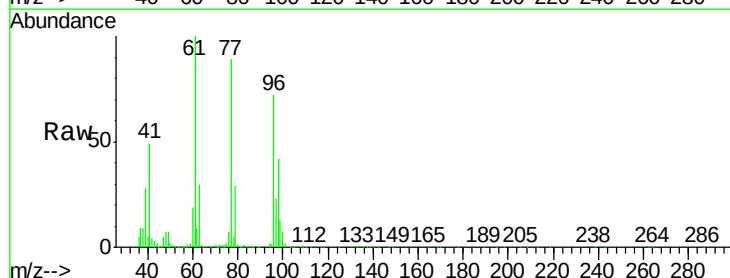
Acq: 07 Jan 2019 11:55

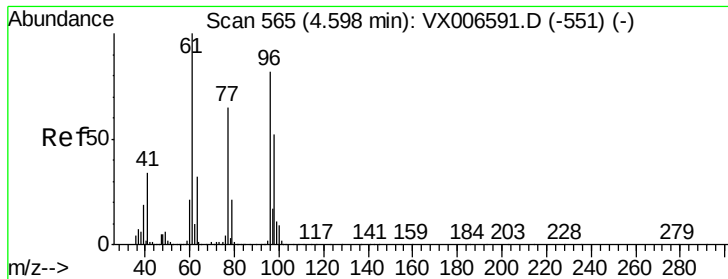
Tgt Ion: 77 Resp: 127526

Ion Ratio Lower Upper

77 100

97 25.4 12.4 37.4





#27

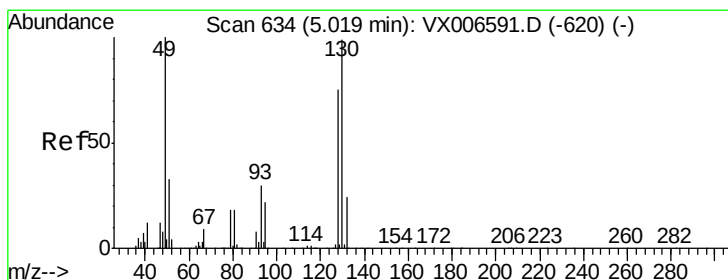
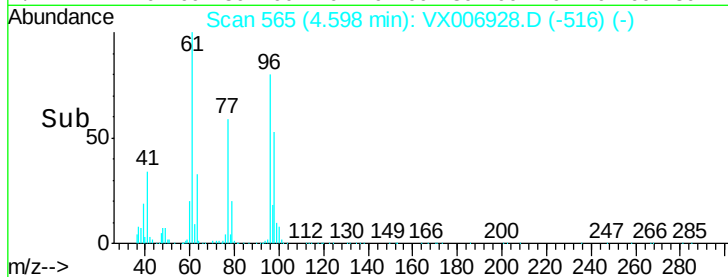
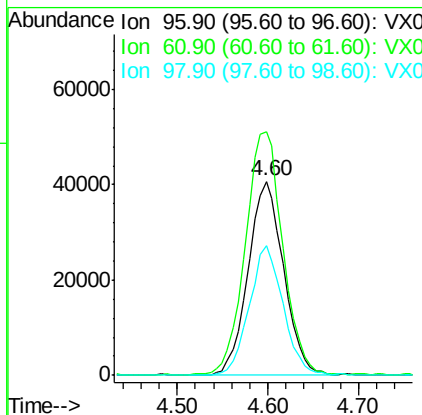
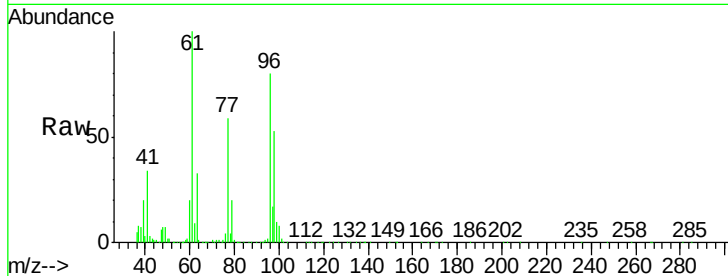
cis-1,2-Dichloroethene
Concen: 19.463 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	110521		
61	131.7	0.0	258.6	
98	63.7	0.0	132.0	

Manual Integrations
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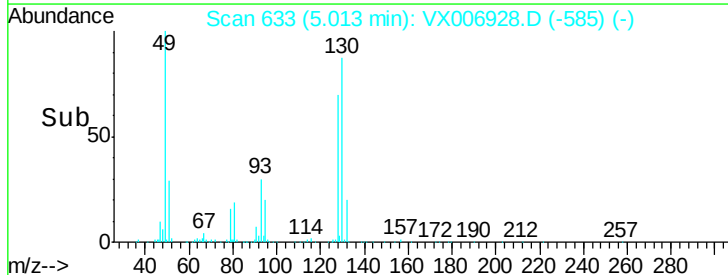
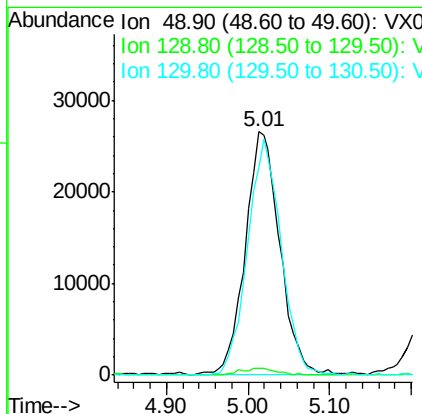
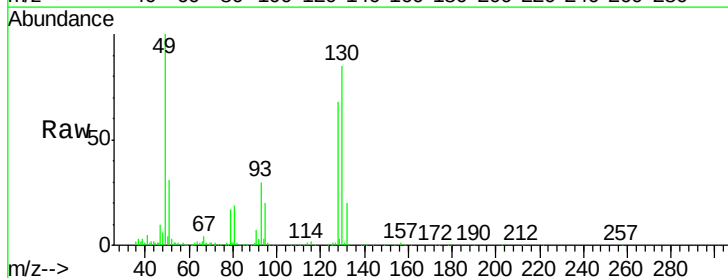
MMDadoda
1/8/2019 9:33:32 AM

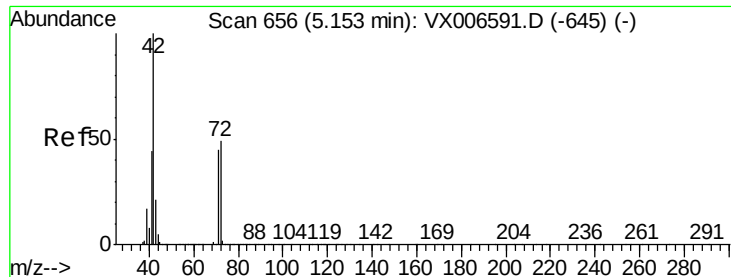


#28

Bromochloromethane
Concen: 20.706 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	78441		
129	3.1	0.0	5.4	
130	94.1	77.7	116.5	





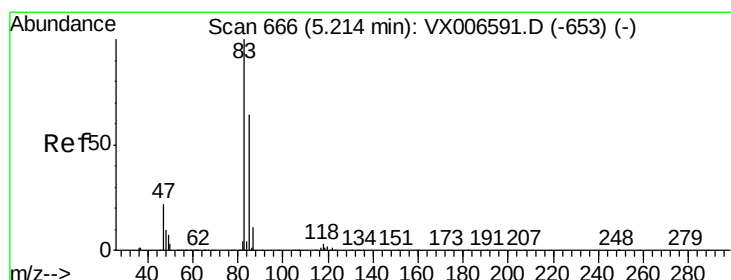
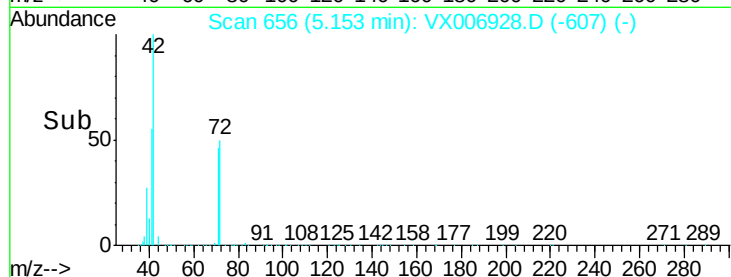
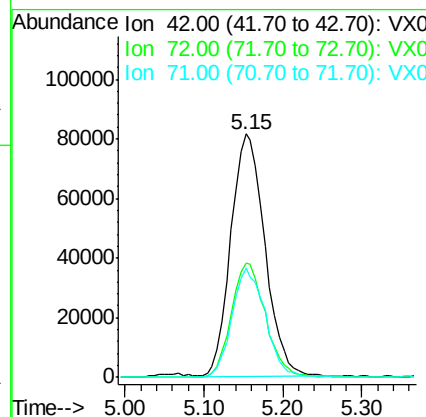
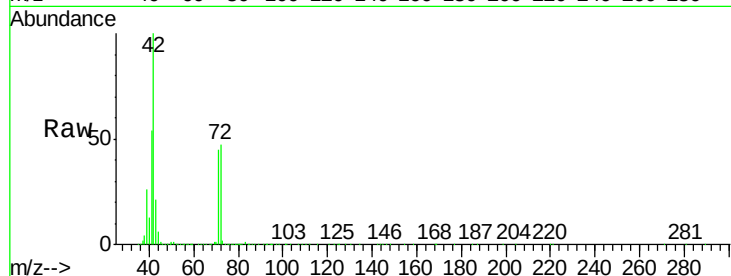
#29
Tetrahydrofuran
Concen: 102.583 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	38.9	58.3
71	44.2	36.2	54.4

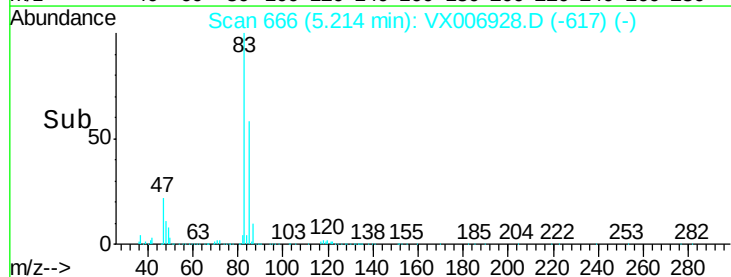
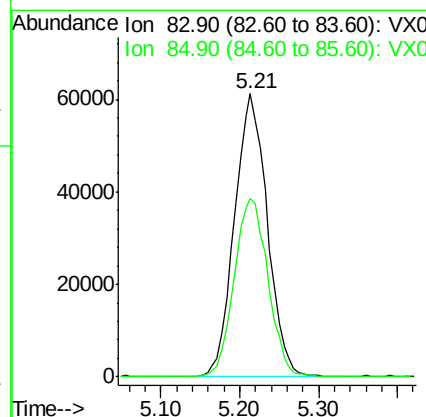
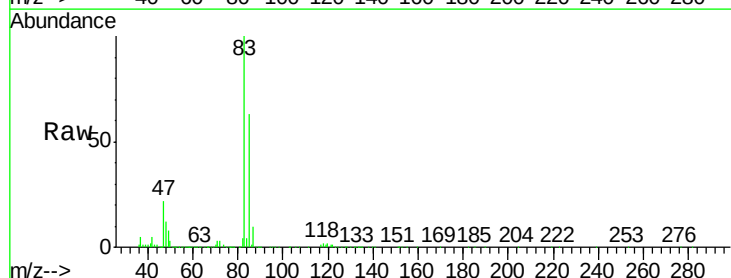
Manual Integrations
APPROVED

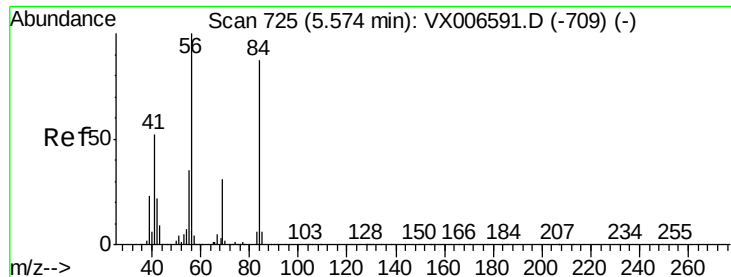
MMDadoda
1/8/2019 9:33:32 AM



#30
Chloroform
Concen: 20.064 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.2	76.8





#31

Cyclohexane

Concen: 17.057 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

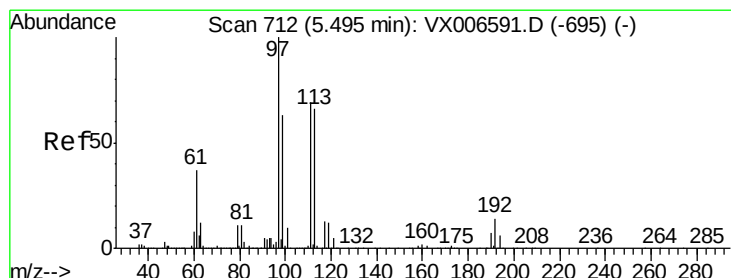
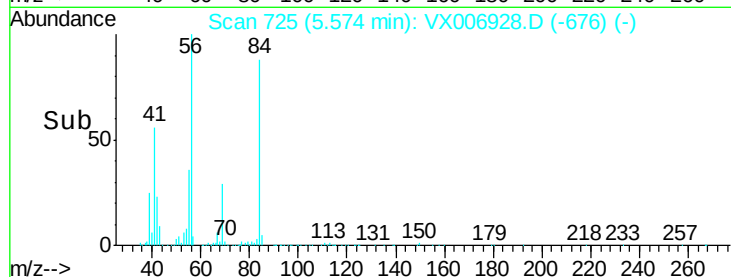
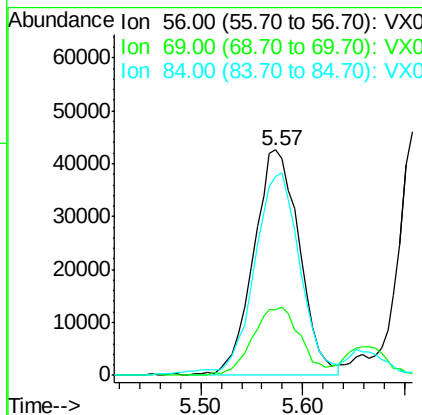
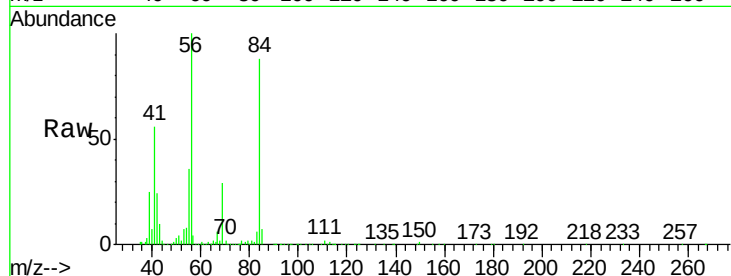
ClientSampleId :

VX0107WBS01

Tot Ion:	56	Resp:	132321
Ion Ratio	Lower	Upper	
56	100		
69	29.1	24.4	36.6
84	86.5	70.0	105.0

Manual Integrations
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1/8/2019 9:33:32 AM



#32

1,1,1-Trichloroethane

Concen: 19.733 ug/l

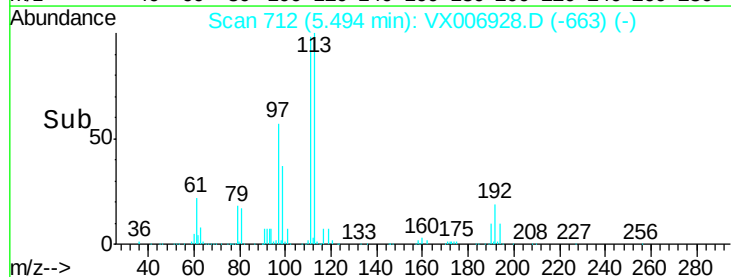
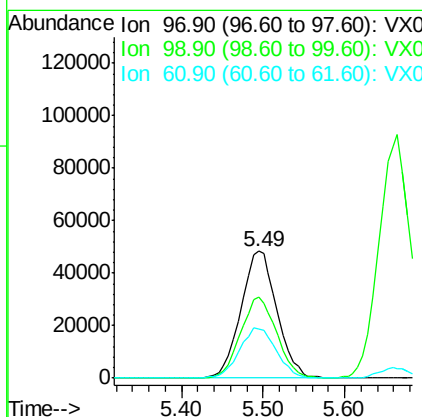
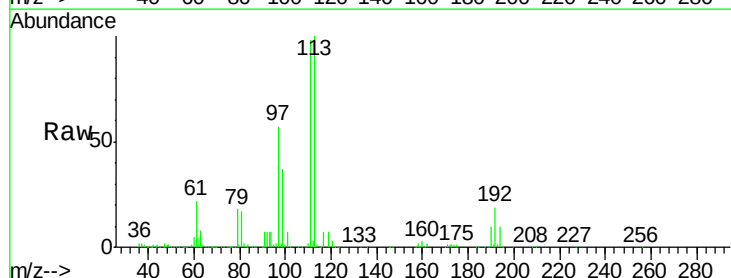
RT: 5.49 min Scan# 712

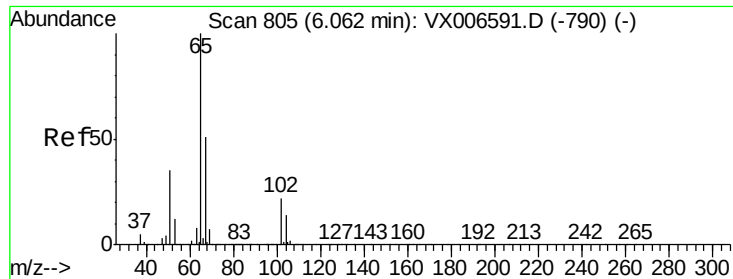
Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Tgt Ion:	97	Resp:	147333
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.7	77.5
61	40.0	31.3	46.9





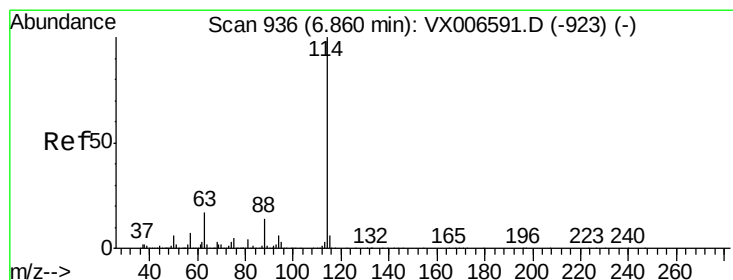
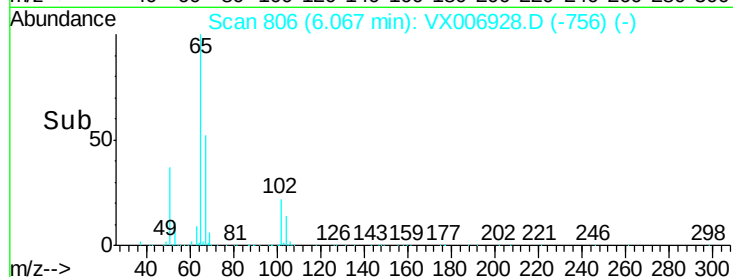
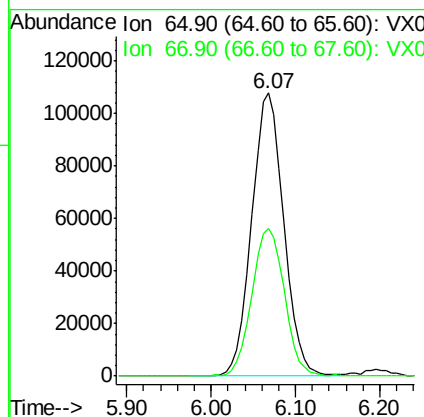
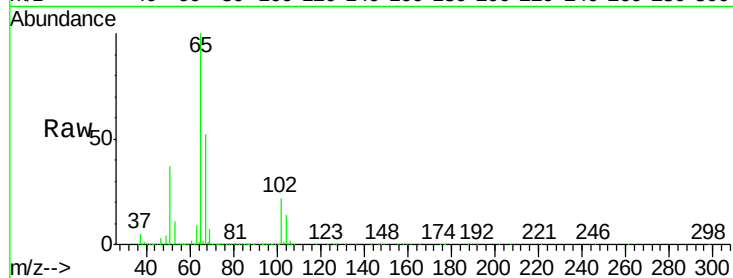
#33
 1,2-Dichloroethane-d4
 Concen: 49.636 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006928.D
 Acq: 07 Jan 2019 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	278123		
67	52.5	0.0	105.0	

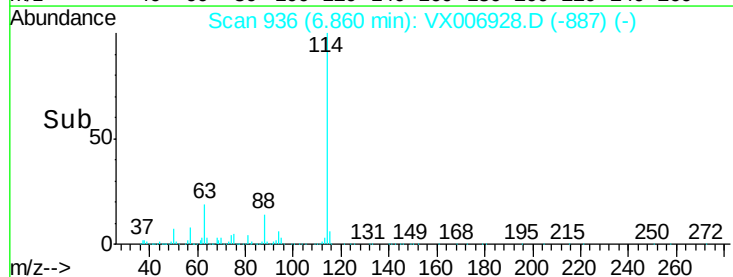
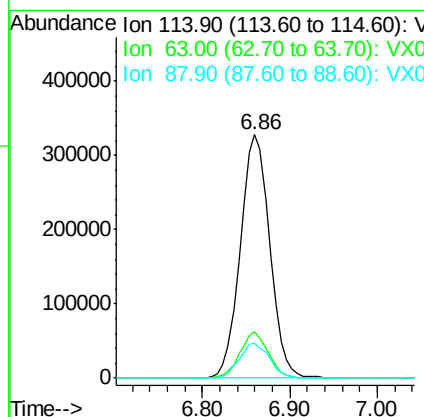
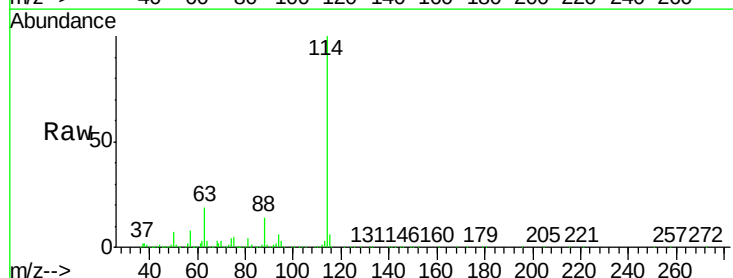
Manual Integrations
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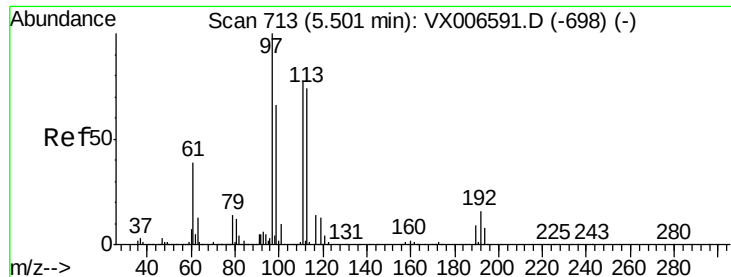
MMDadoda
 1/8/2019 9:33:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006928.D
 Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	768147		
63	18.8	0.0	34.8	
88	14.5	0.0	28.8	





#35

Dibromofluoromethane

Concen: 52.953 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

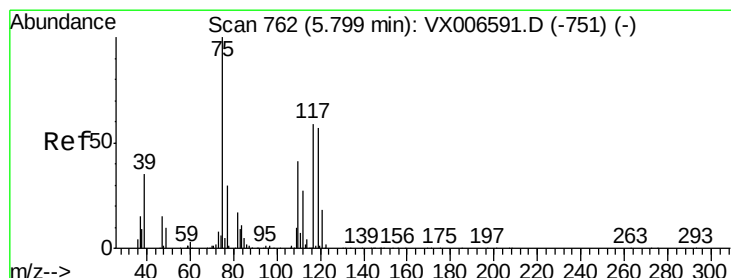
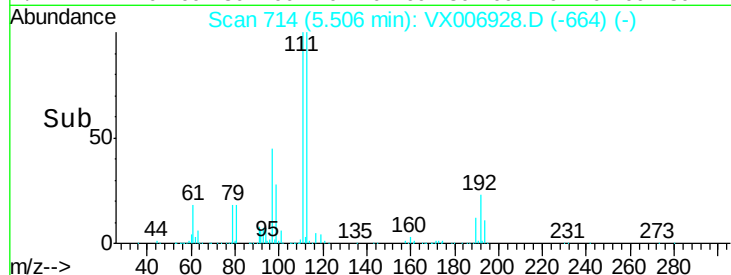
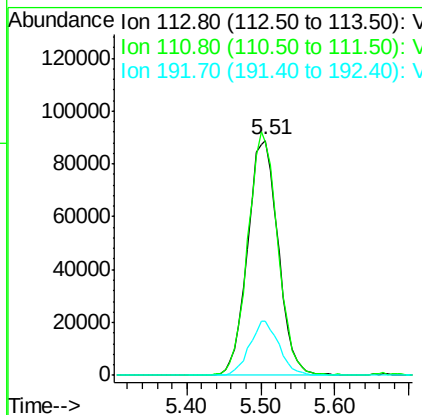
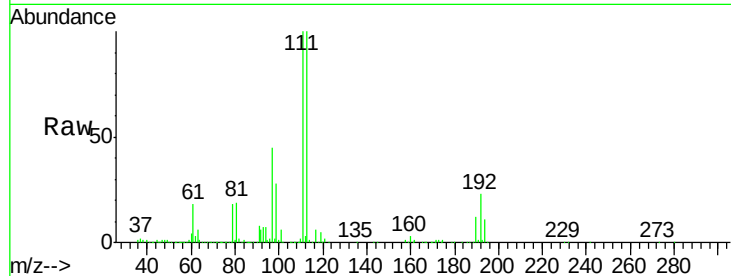
ClientSampled :

VX0107WBS01

Tot Ion:	113	Resp:	257223
Ion Ratio	Lower	Upper	
113	100		
111	100.7	81.6	122.4
192	22.2	16.7	25.1

Manual Integrations
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1/8/2019 9:33:32 AM



#36

1,1-Dichloropropene

Concen: 18.907 ug/l

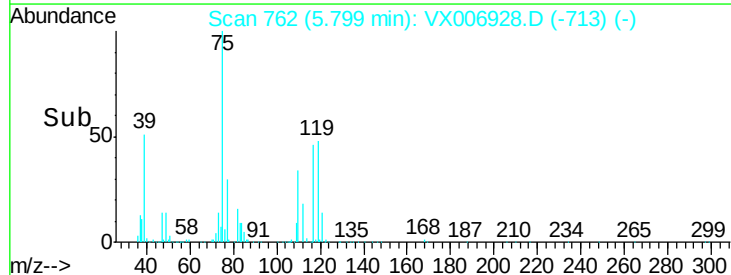
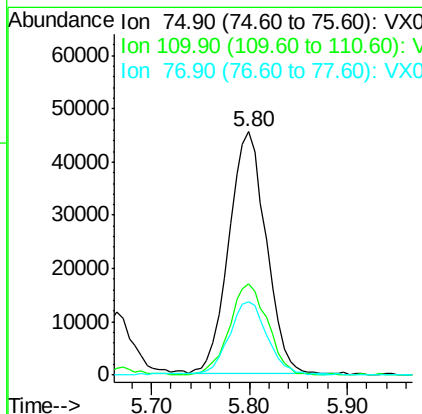
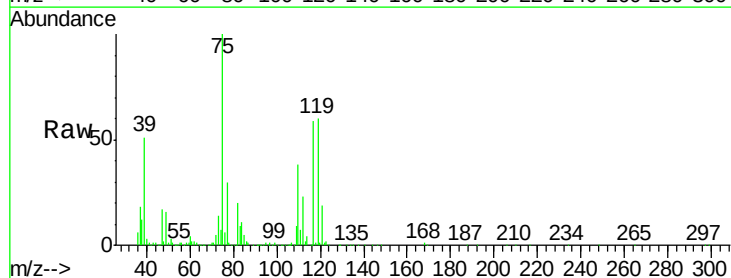
RT: 5.80 min Scan# 762

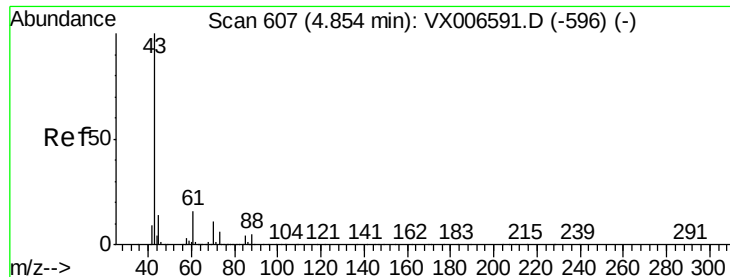
Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Tgt Ion:	75	Resp:	120287
Ion Ratio	Lower	Upper	
75	100		
110	38.8	20.2	60.5
77	31.2	24.8	37.2





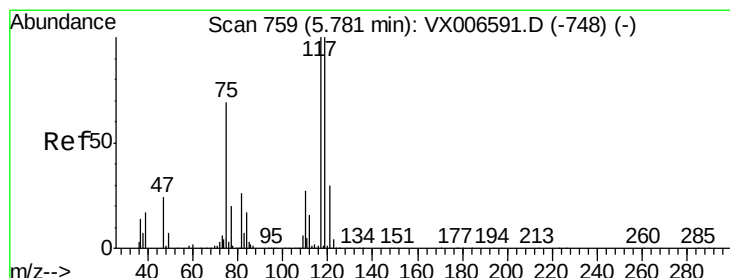
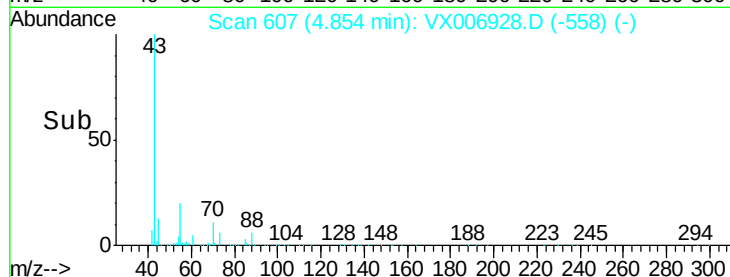
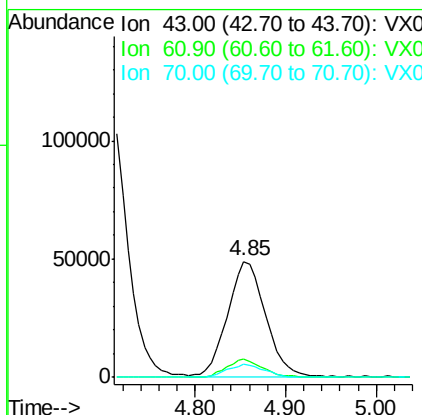
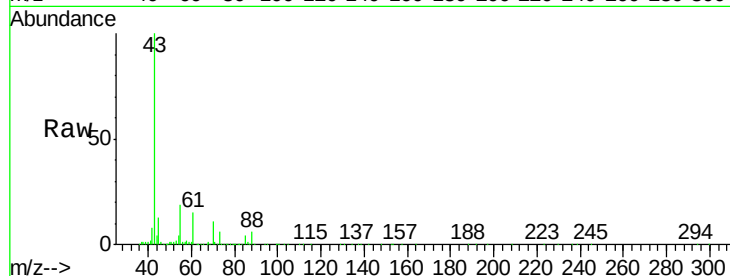
#37
Ethyl Acetate
Concen: 21.323 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampled :
VX0107WBS01

Tot Ion	43	Resp	141194
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.9	17.9
70	11.3	9.7	14.5

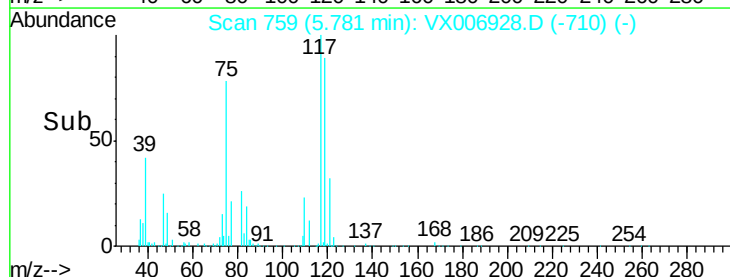
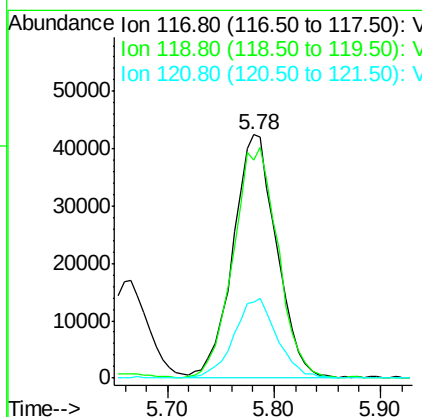
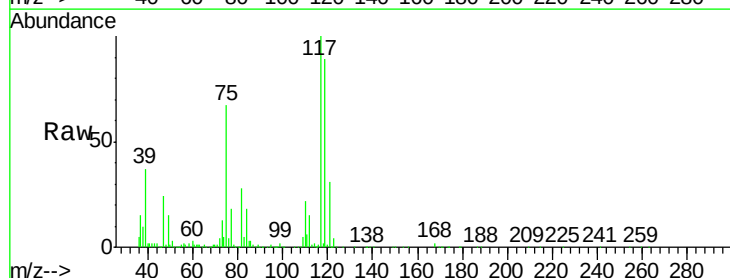
Manual Integrations
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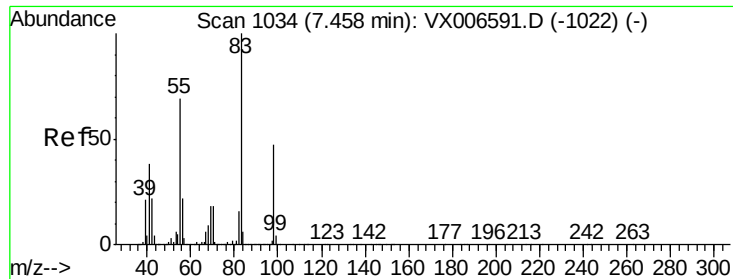
MMDadoda
1/8/2019 9:33:32 AM



#38
Carbon Tetrachloride
Concen: 19.589 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	117	Resp	121115
Ion Ratio	Lower	Upper	
117	100		
119	89.5	79.4	119.2
121	31.1	24.0	36.0





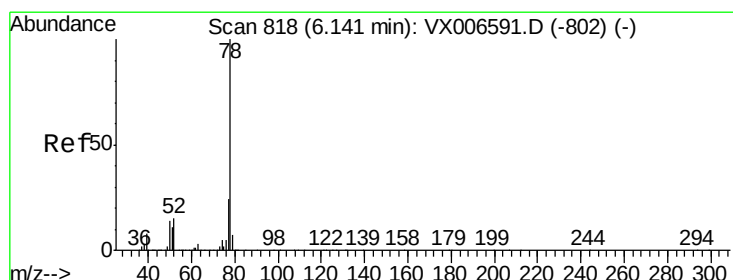
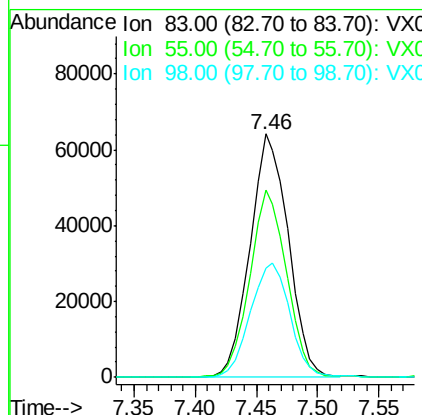
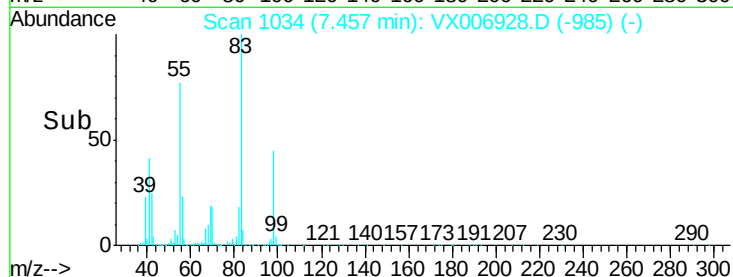
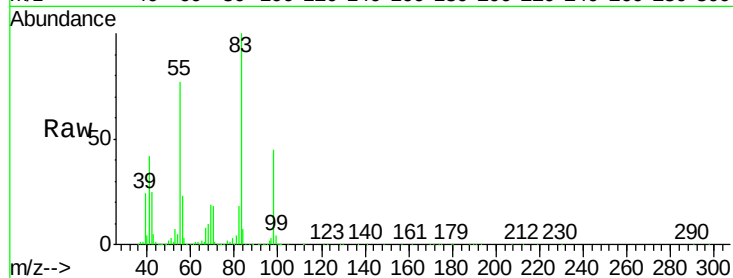
#39
Methvlcvclohexane
Concen: 16.719 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	54.9	82.3
98	44.6	37.9	56.9

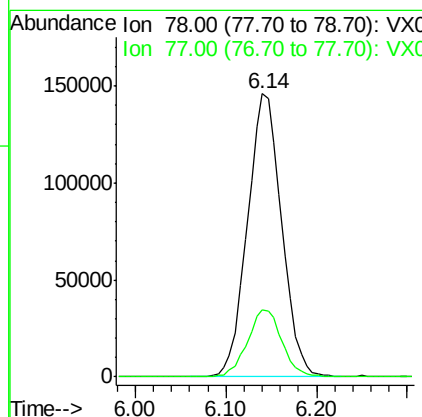
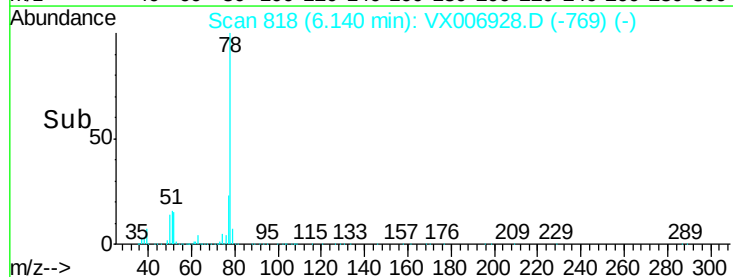
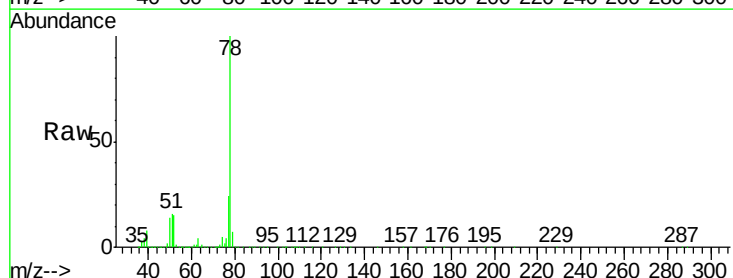
Manual Integrations
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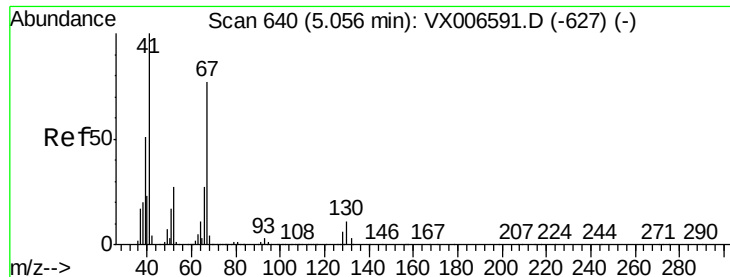
MMDadoda
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#40
Benzene
Concen: 19.706 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





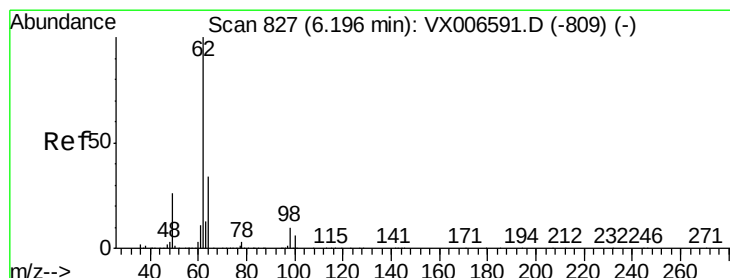
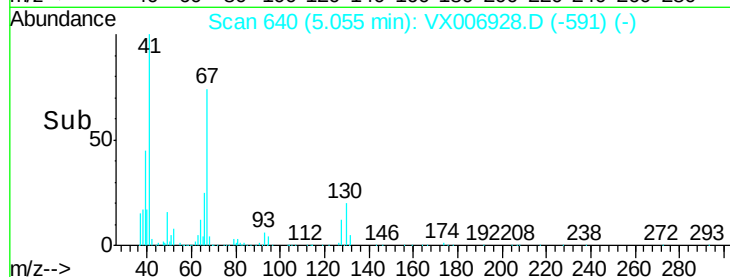
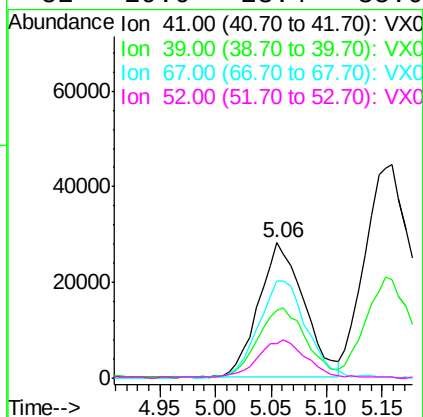
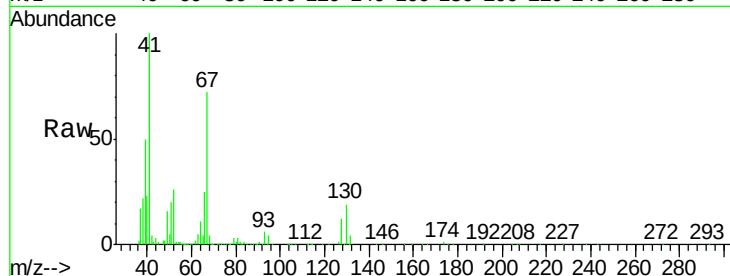
#41
Methacrylonitrile
Concen: 22.768 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	42.8	64.2	
67	75.5	62.1	93.1	
52	29.0	23.4	35.0	

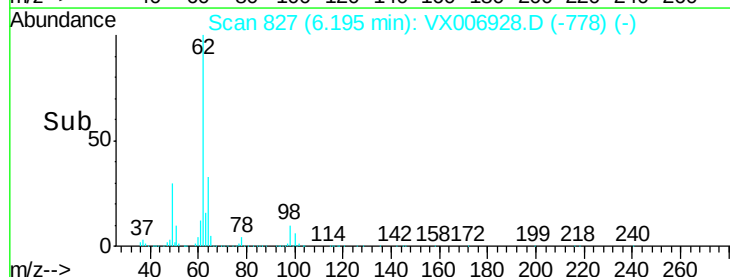
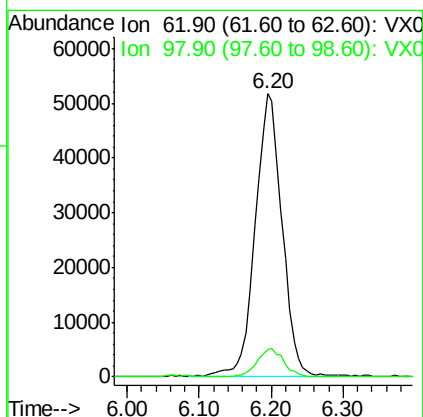
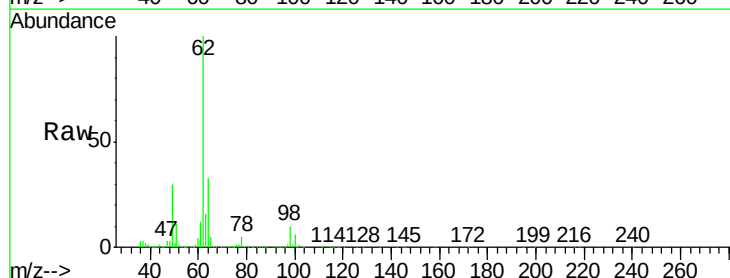
Manual Integrations
APPROVED

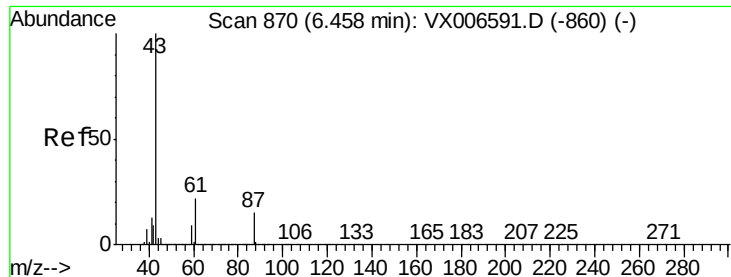
MMDadoda
1/8/2019 9:33:32 AM



#42
1,2-Dichloroethane
Concen: 20.131 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.2	





#43

Isopropyl Acetate

Concen: 22.245 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

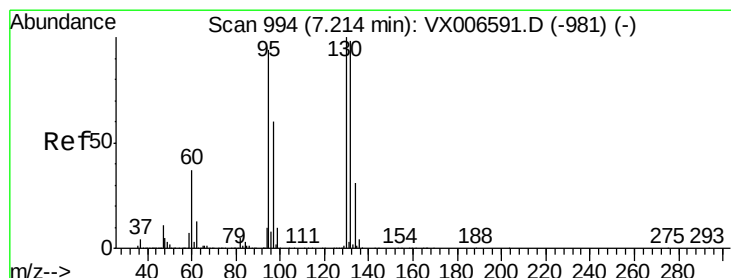
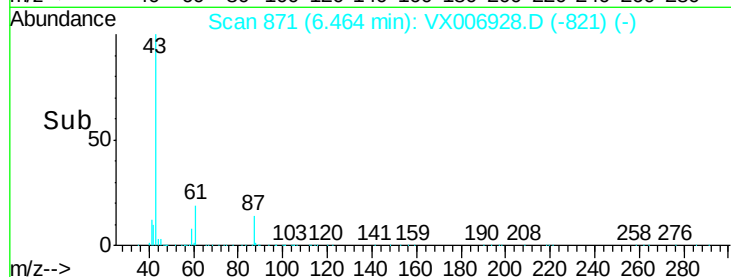
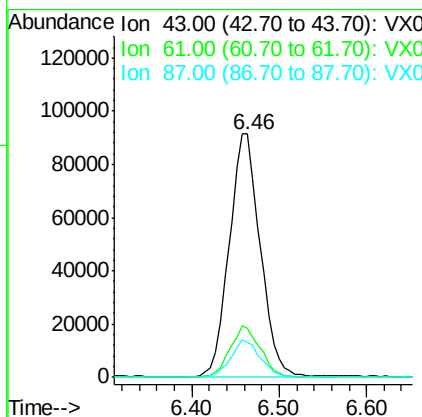
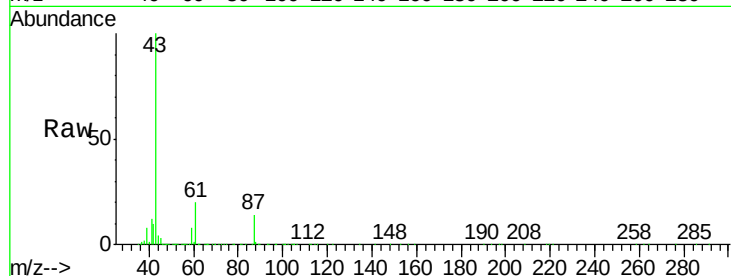
ClientSampleId :

VX0107WBS01

Tot Ion:	43	Resp:	224122
Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.8	25.2
87	14.9	12.4	18.6

Manual Integrations
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1/8/2019 9:33:32 AM



#44

Trichloroethene

Concen: 19.050 ug/l

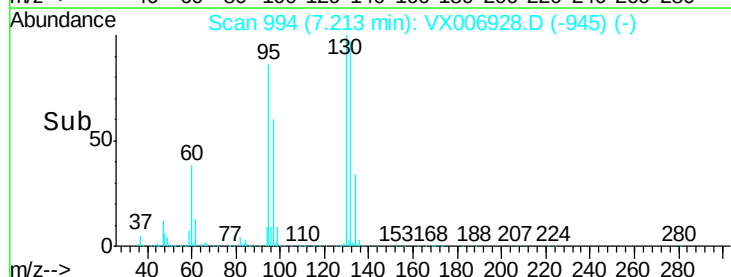
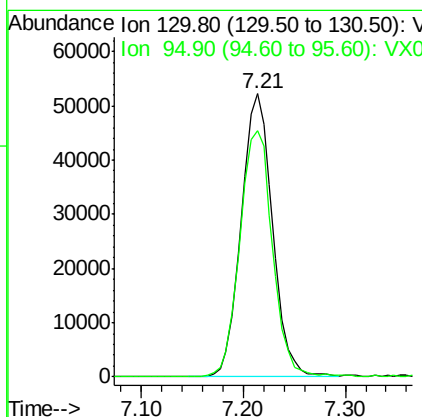
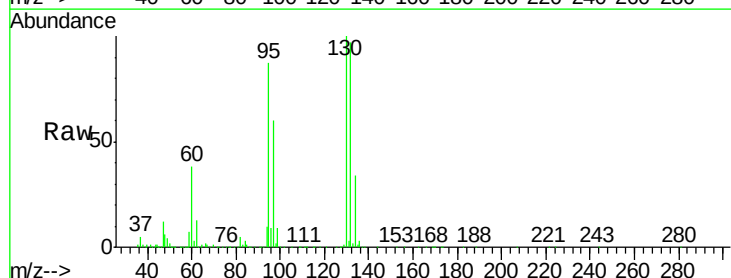
RT: 7.21 min Scan# 994

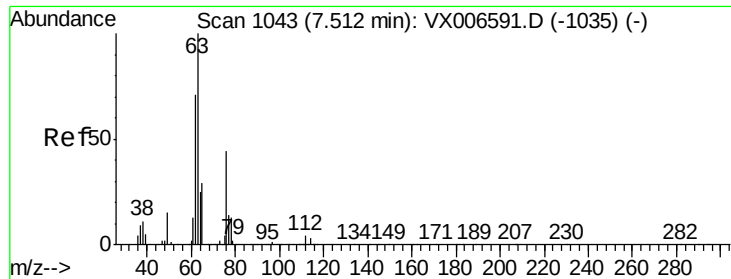
Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Tgt Ion:	130	Resp:	111503
Ion	Ratio	Lower	Upper
130	100		
95	86.9	0.0	187.0





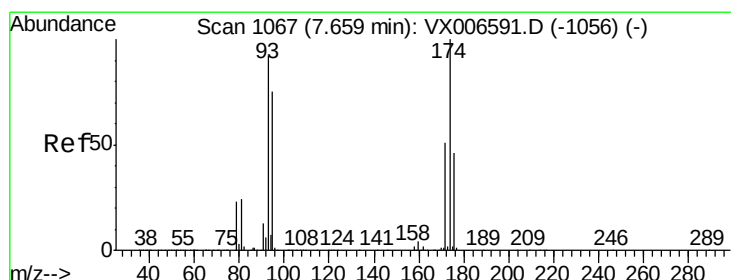
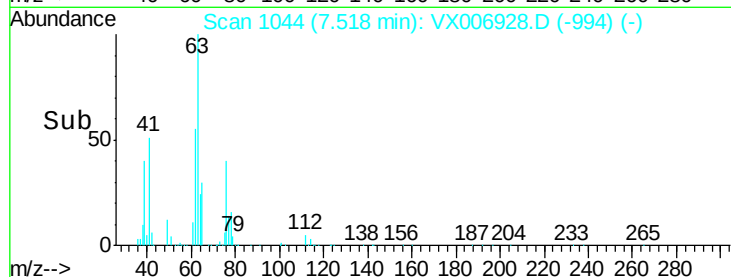
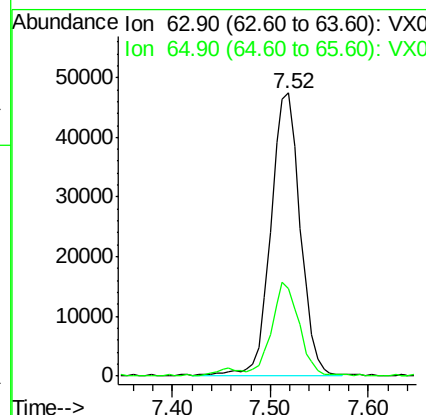
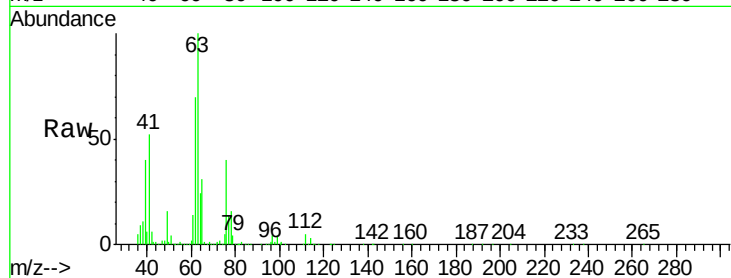
#45
 1,2-Dichloropropane
 Concen: 21.002 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX006928.D
 Acq: 07 Jan 2019 11:55

Instrument :
 MSVOA_X
 ClientSampled :
 VX0107WBS01

Tot Ion: 63 Resp: 98836
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.4 38.0

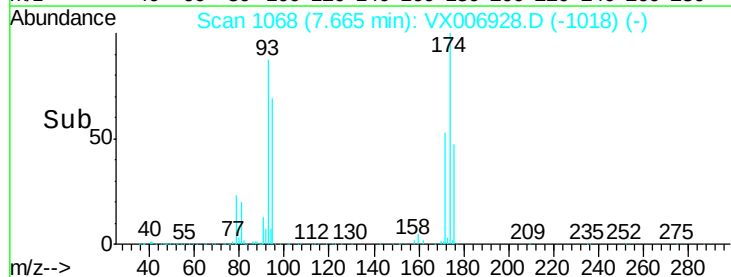
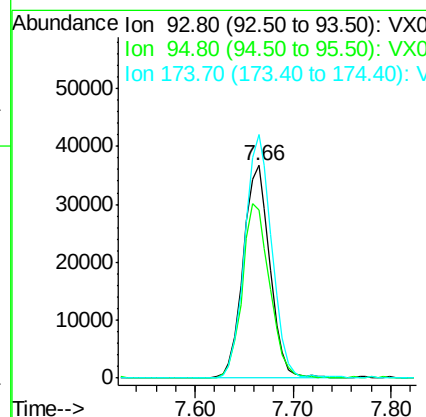
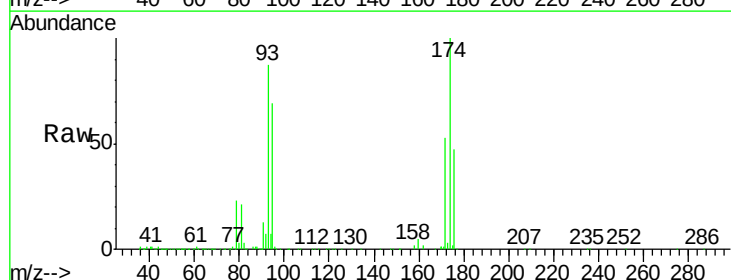
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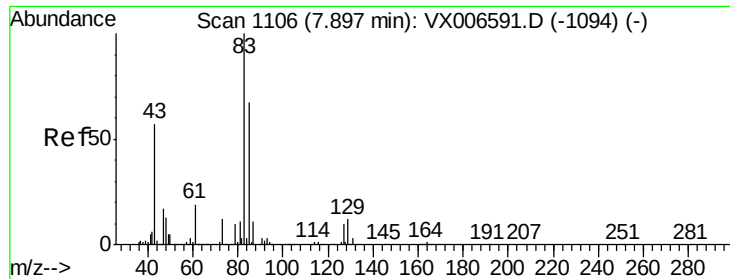
MMDadoda
 1/8/2019 9:33:32 AM



#46
 Dibromomethane
 Concen: 20.157 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006928.D
 Acq: 07 Jan 2019 11:55

Tgt Ion: 93 Resp: 69773
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.2 99.4
 174 114.2 91.0 136.4





#47

Bromodichloromethane

Concen: 20.805 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

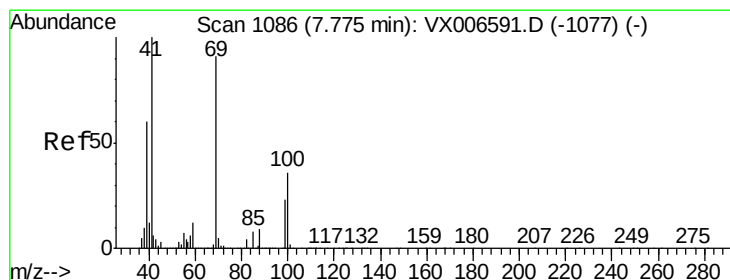
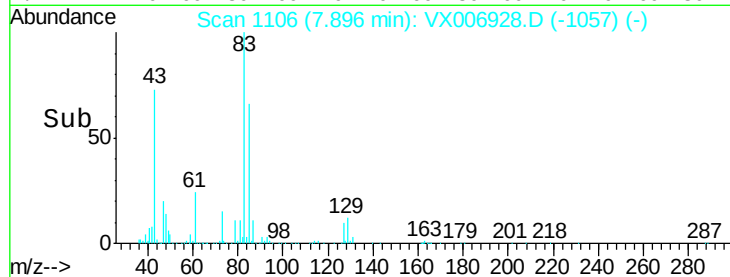
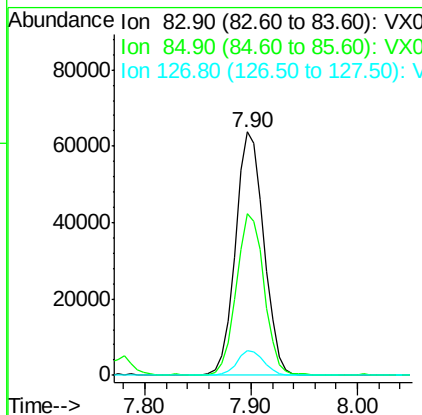
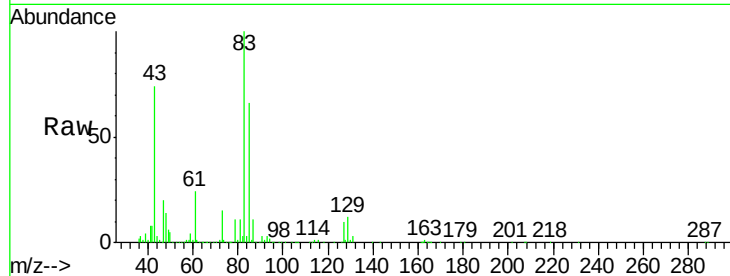
ClientSampleId :

VX0107WBS01

Tot Ion:	83	Resp:	119565
Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.2	79.8
127	9.9	7.8	11.6

Manual Integrations
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MMDadoda
1/8/2019 9:33:32 AM



#48

Methyl methacrylate

Concen: 21.591 ug/l

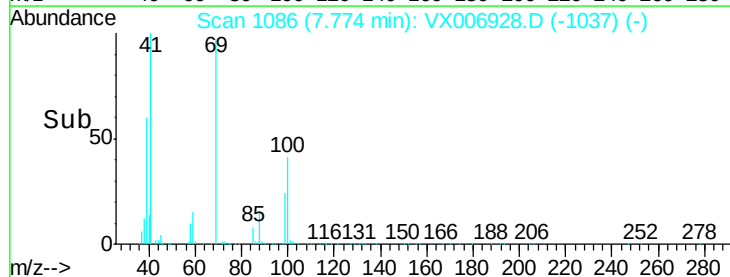
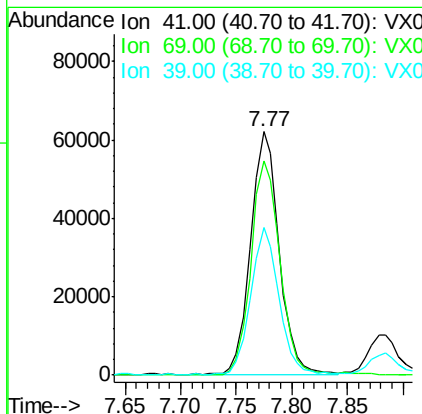
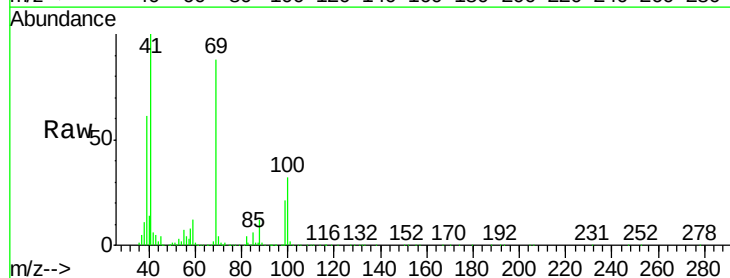
RT: 7.77 min Scan# 1086

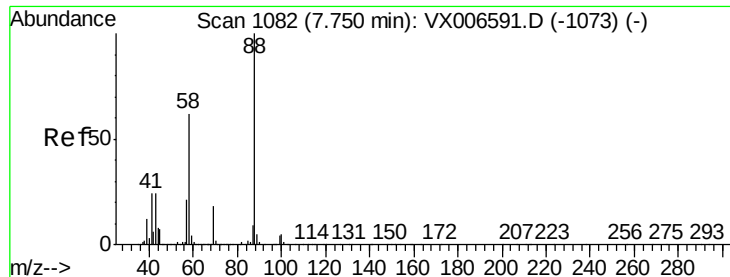
Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Tgt Ion:	41	Resp:	110624
Ion	Ratio	Lower	Upper
41	100		
69	89.9	72.4	108.6
39	59.7	45.8	68.8





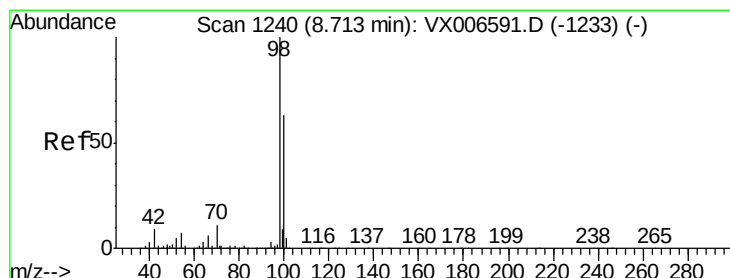
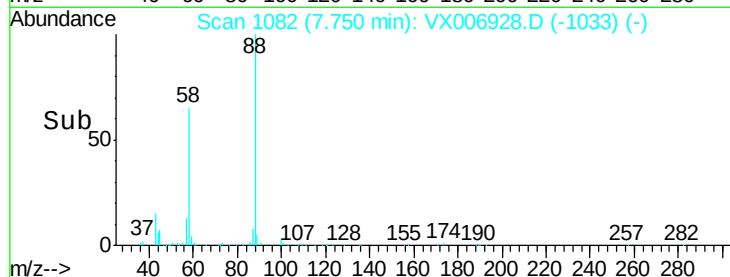
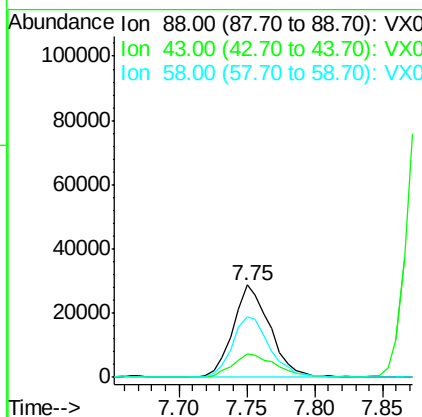
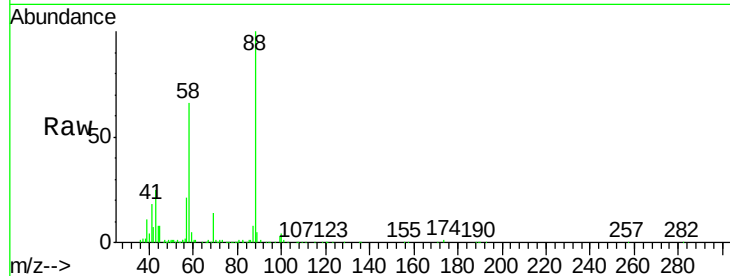
#49
1,4-Dioxane
Concen: 390.723 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampled :
VX0107WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.5	22.2	33.4
58	66.8	51.0	76.4

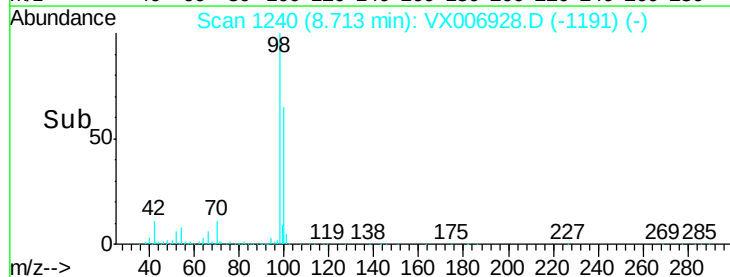
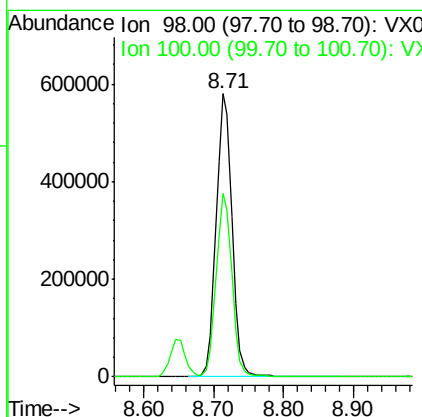
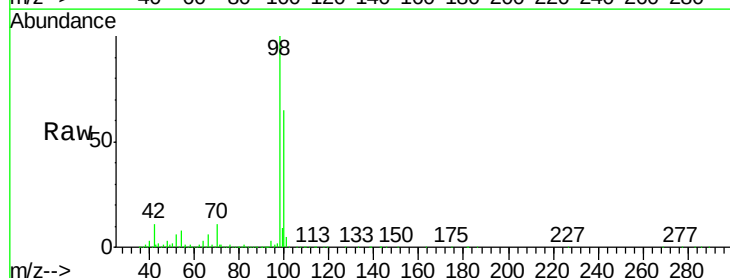
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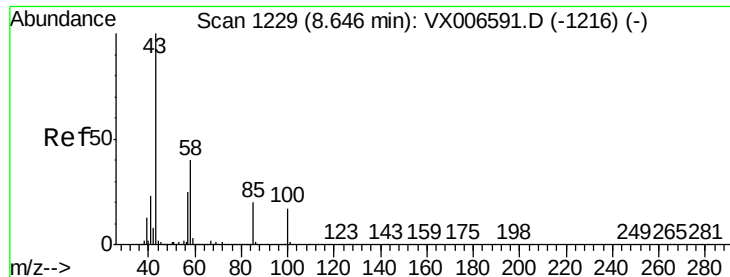
MMDadoda
1/8/2019 9:33:32 AM



#50
Toluene-d8
Concen: 50.063 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0





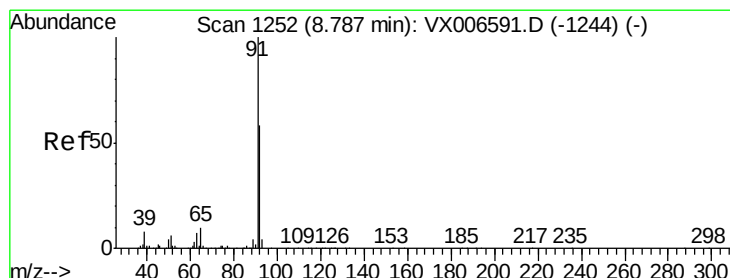
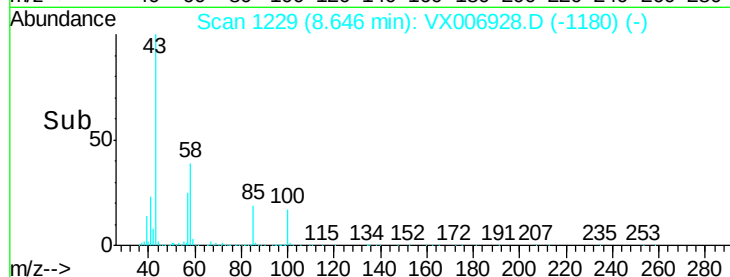
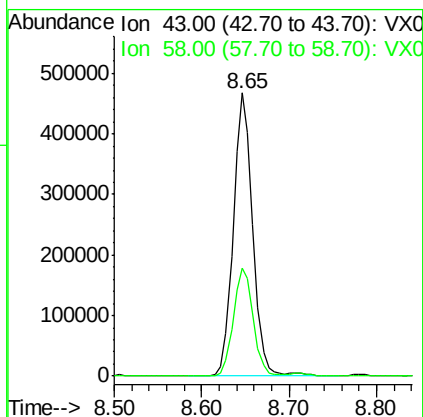
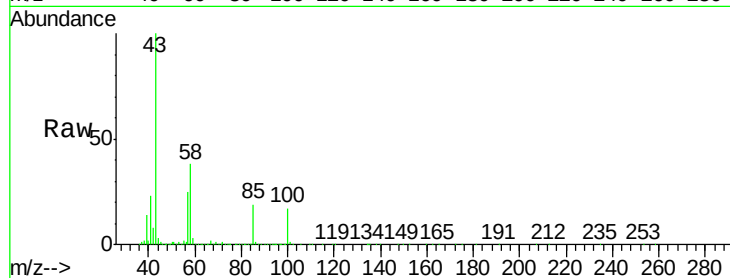
#51
4-Methyl-2-Pentanone
Concen: 113.186 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.8	47.6

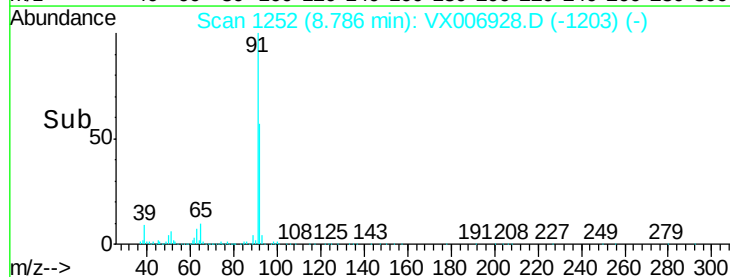
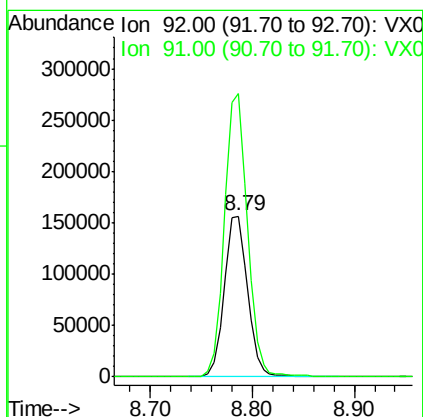
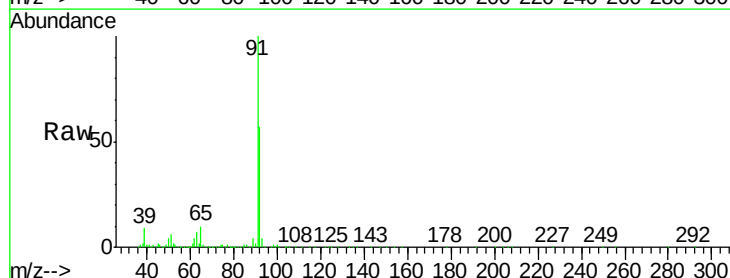
Manual Integrations
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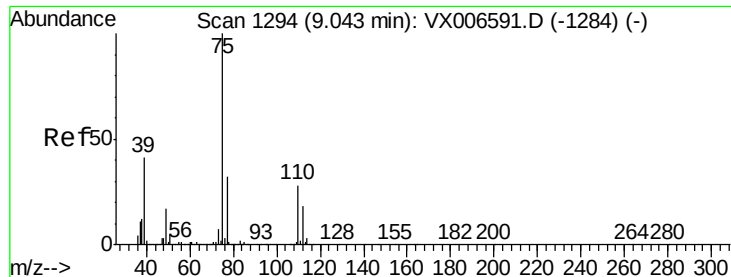
MMDadoda
1/8/2019 9:33:32 AM



#52
Toluene
Concen: 19.927 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 20.738 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBS01

Tot Ion: 75 Resp: 127820

Ion Ratio Lower Upper

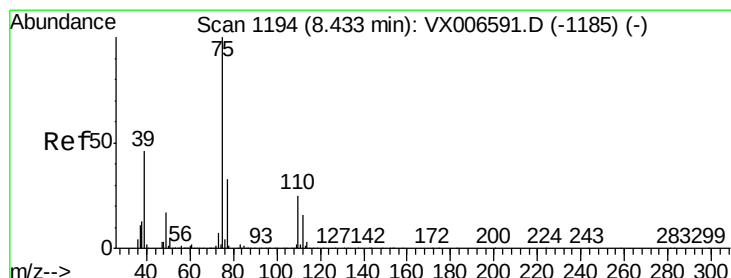
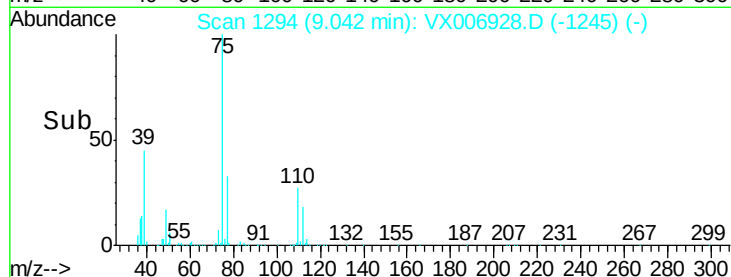
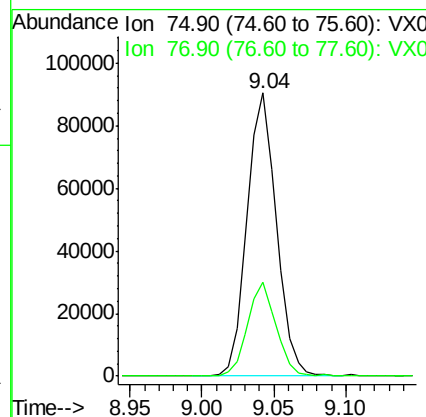
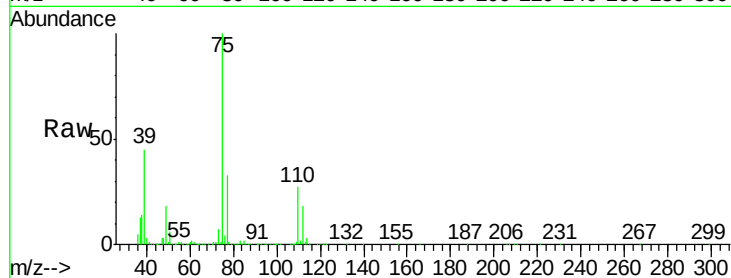
75 100

77 33.1 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 21.435 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

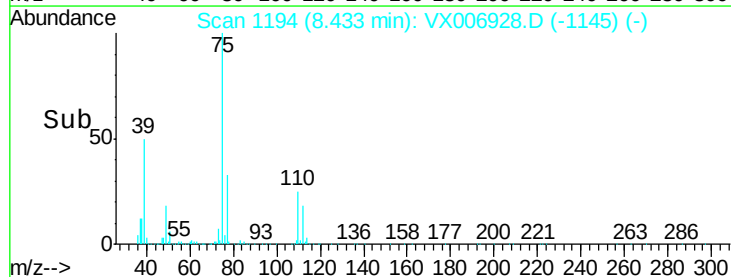
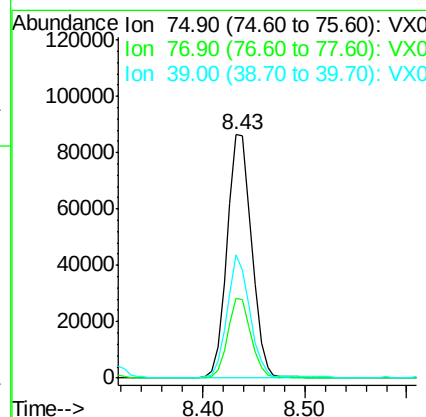
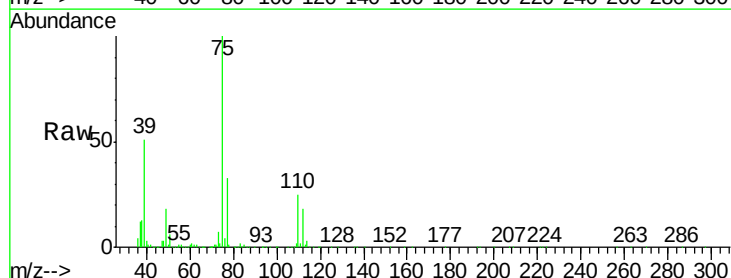
Tgt Ion: 75 Resp: 144962

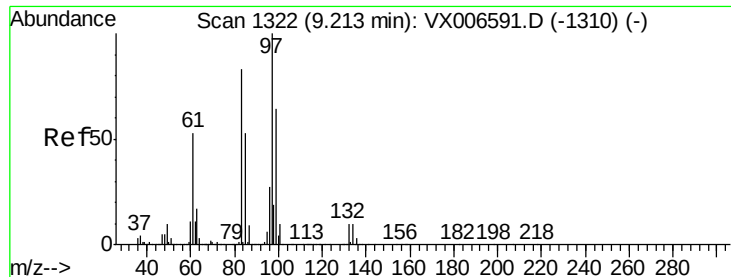
Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2

39 50.3 36.7 55.1





#55

1,1,2-Trichloroethane

Concen: 20.960 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

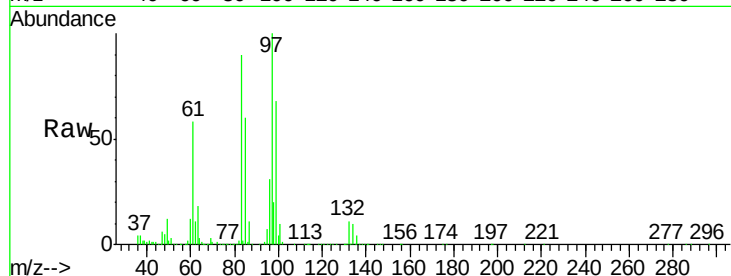
ClientSampleId :

VX0107WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		107187		
83	90.3		66.6	99.8	
85	60.1		42.7	64.1	
99	67.9		50.8	76.2	

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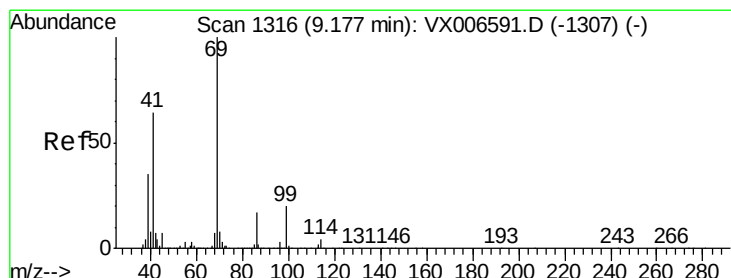
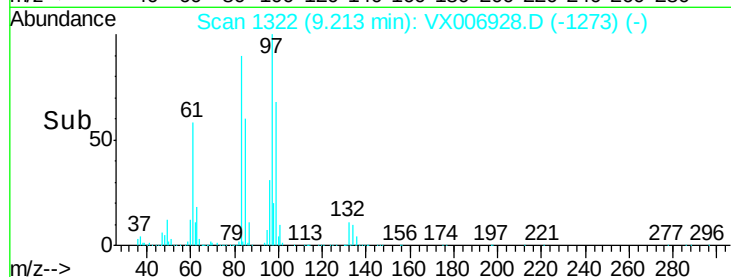
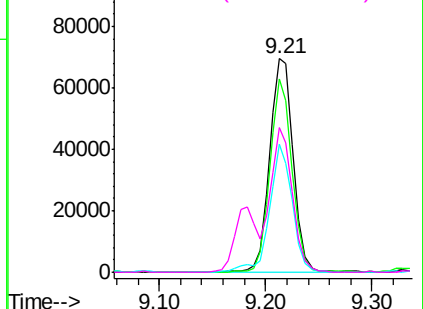
Abundance

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: 21.268 ug/l

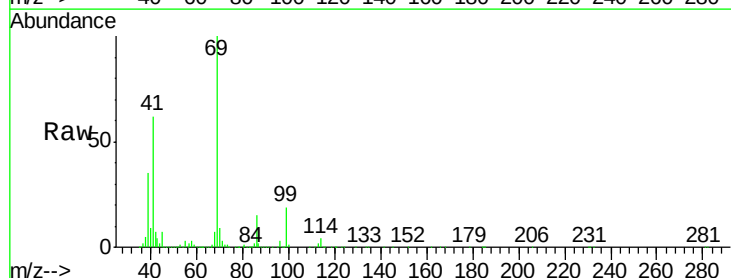
RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		153721		
41	63.5		48.7	73.1	
39	36.1		27.0	40.6	

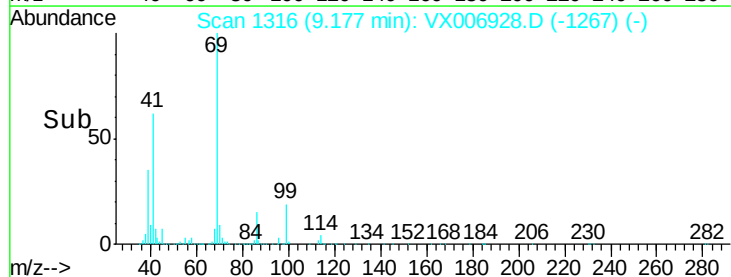
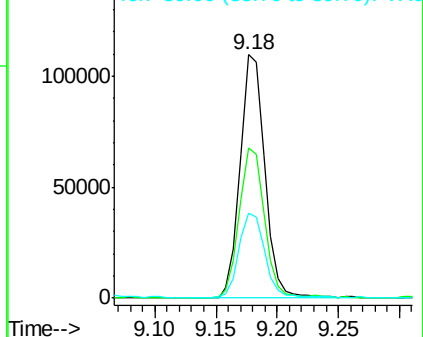


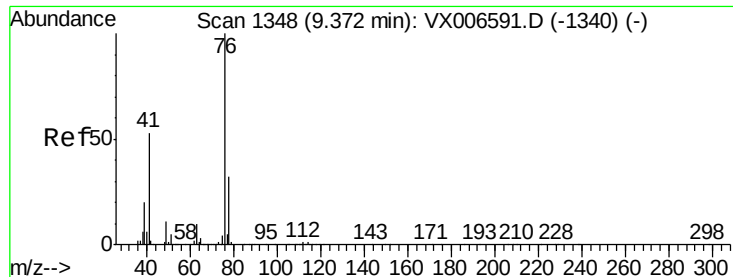
Abundance

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





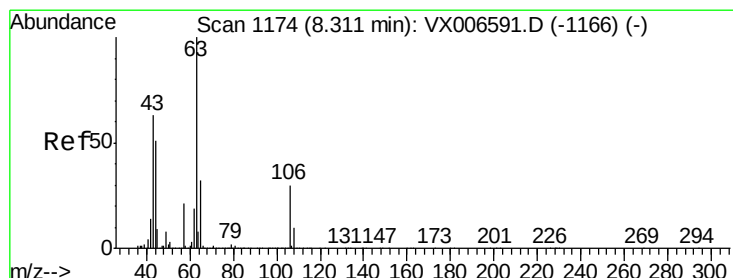
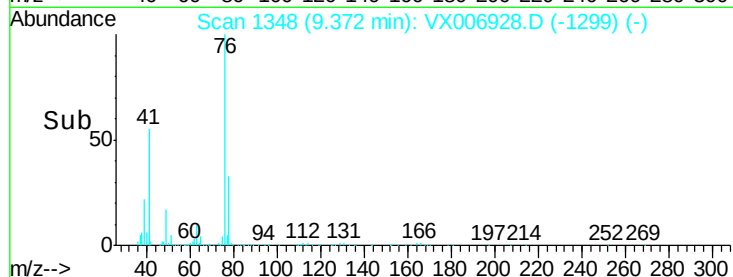
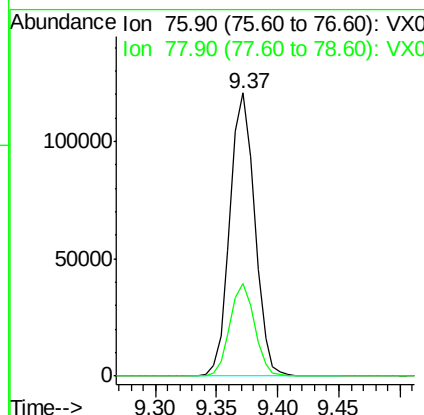
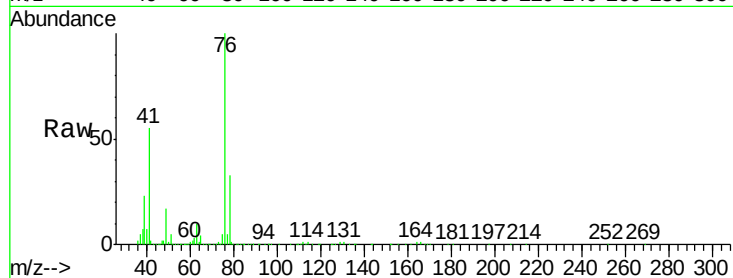
#57
 1,3-Dichloropropane
 Concen: 20.654 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006928.D
 Acq: 07 Jan 2019 11:55

Instrument :
 MSVOA_X
 ClientSampled :
 VX0107WBS01

Tot Ion: 76 Resp: 169933
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0

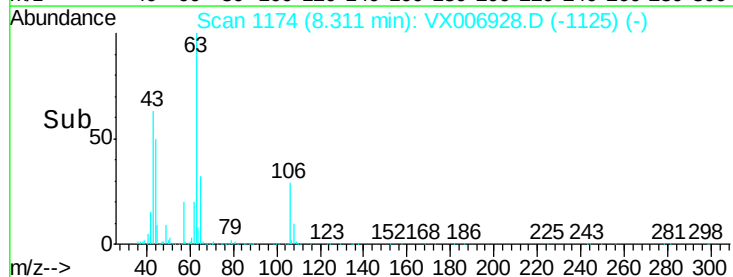
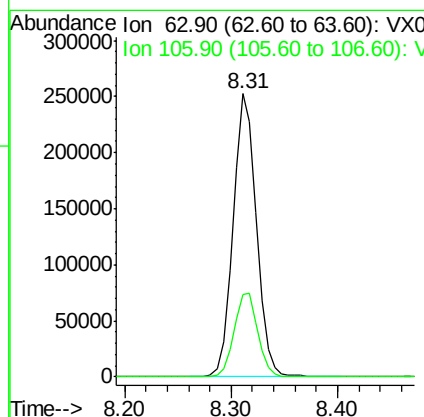
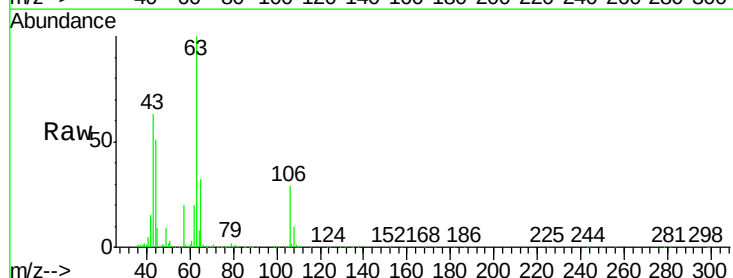
Manual Integrations
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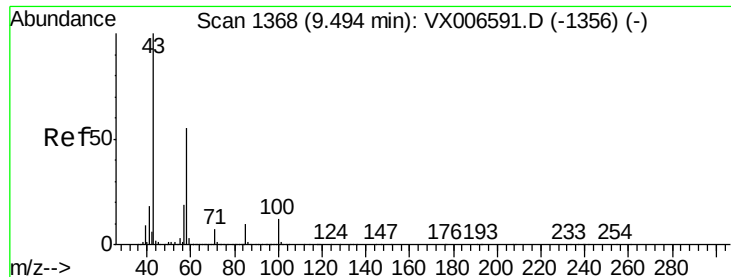
MMDadoda
 1/8/2019 9:33:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.819 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006928.D
 Acq: 07 Jan 2019 11:55

Tgt Ion: 63 Resp: 387347
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.6 36.8





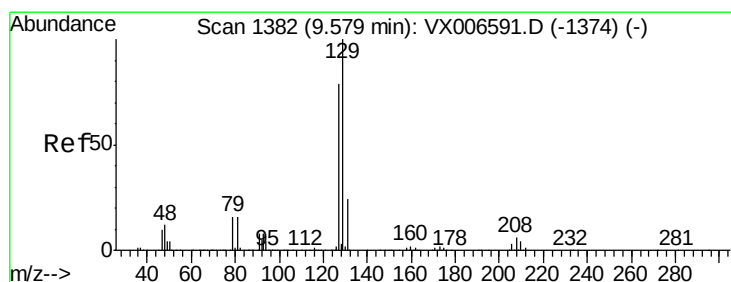
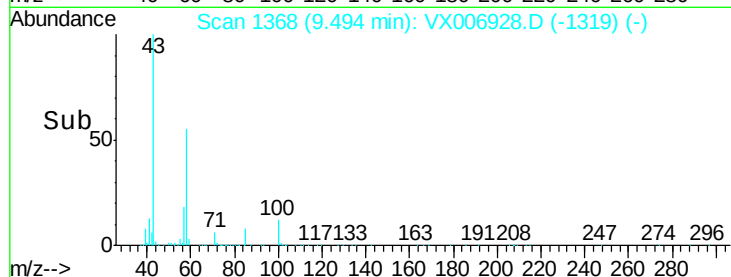
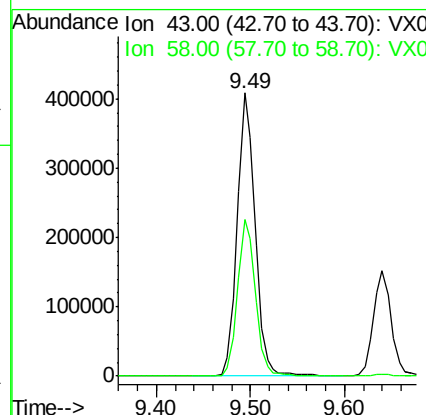
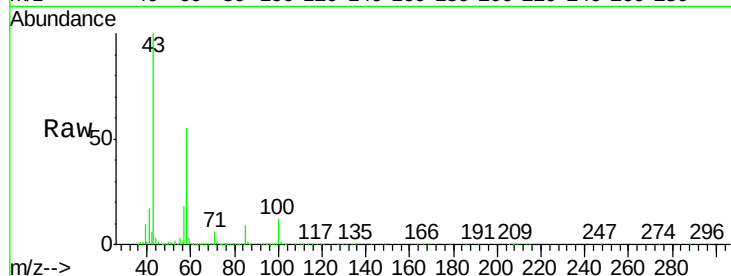
#59
2-Hexanone
Concen: 110.142 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion: 43 Resp: 540230
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.1

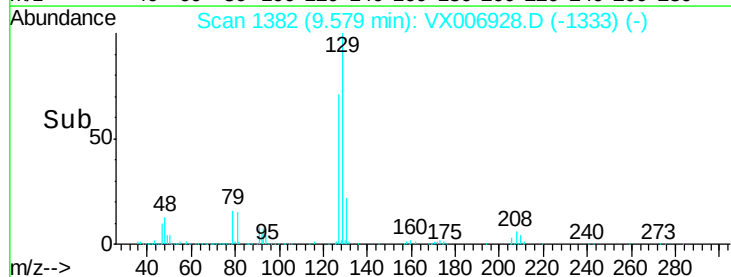
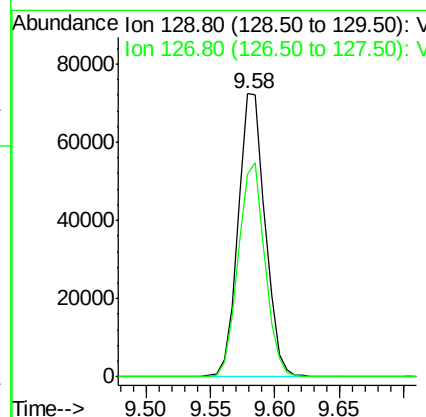
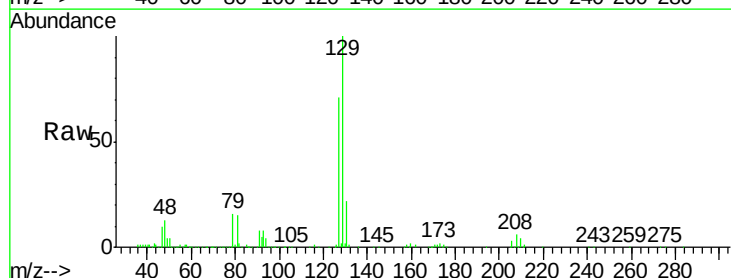
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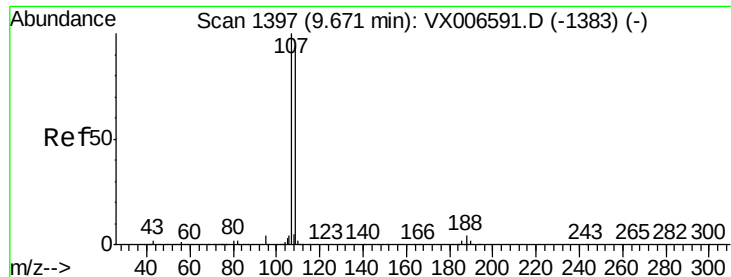
MMDadoda
1/8/2019 9:33:32 AM



#60
Dibromochloromethane
Concen: 21.177 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion: 129 Resp: 105748
Ion Ratio Lower Upper
129 100
127 74.8 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.923 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBS01

Tot Ion: 107 Resp: 113738

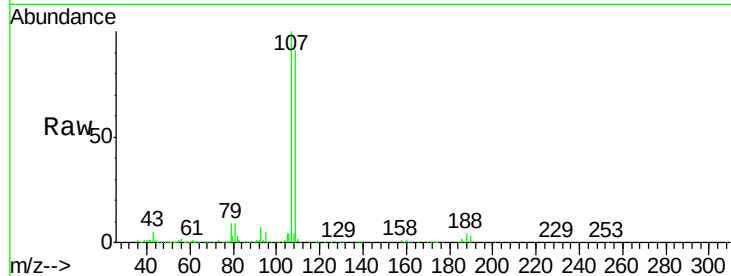
Ion Ratio Lower Upper

107 100

109 92.8 75.8 113.6

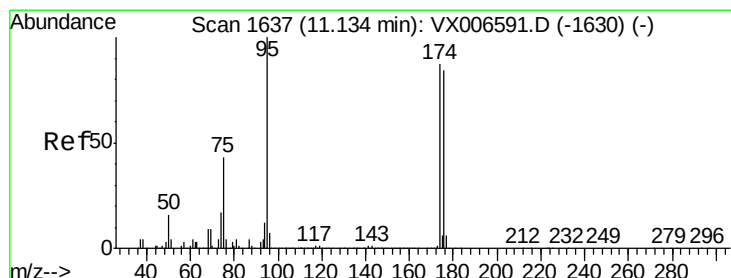
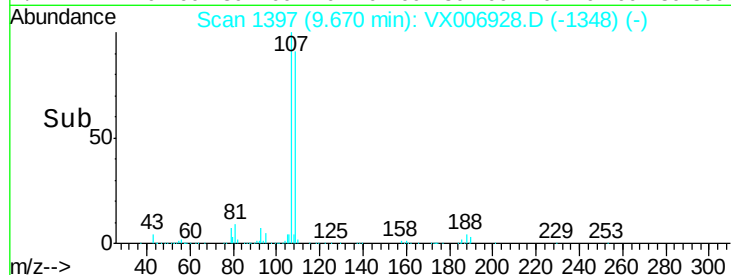
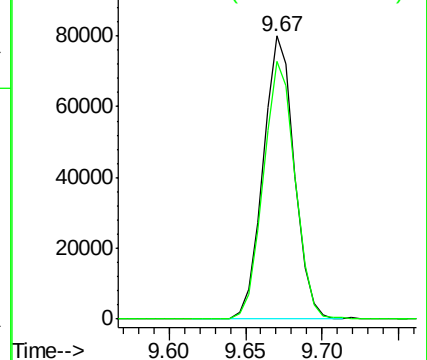
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.401 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

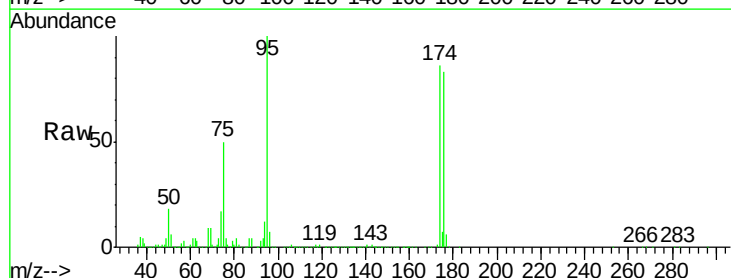
Tgt Ion: 95 Resp: 324634

Ion Ratio Lower Upper

95 100

174 94.1 0.0 182.2

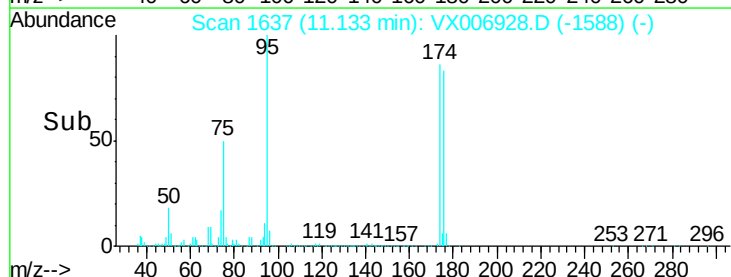
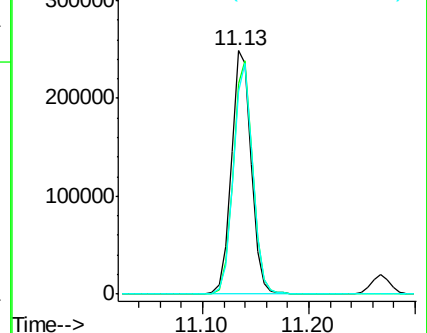
176 92.4 0.0 178.8

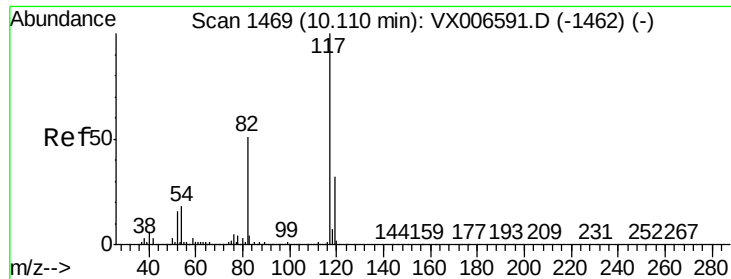


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





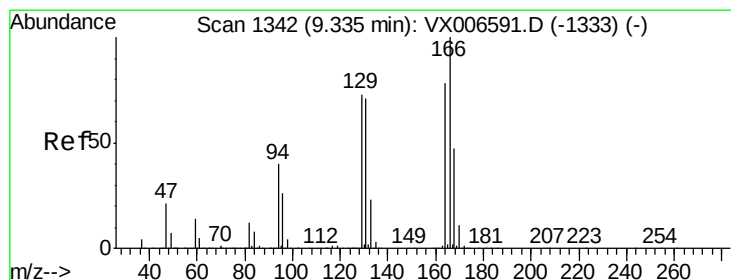
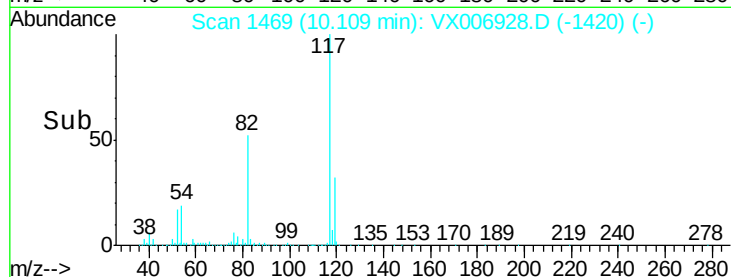
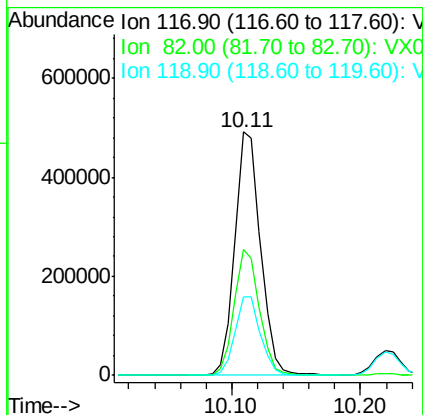
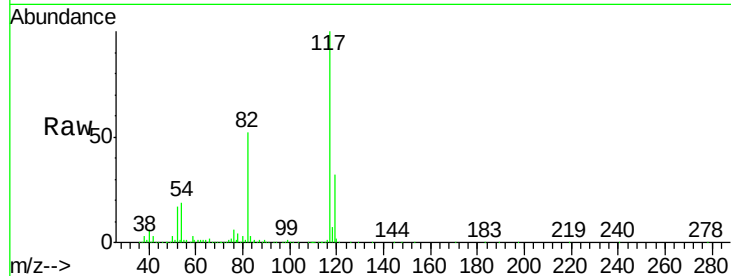
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.0	61.6
119	32.0	25.4	38.0

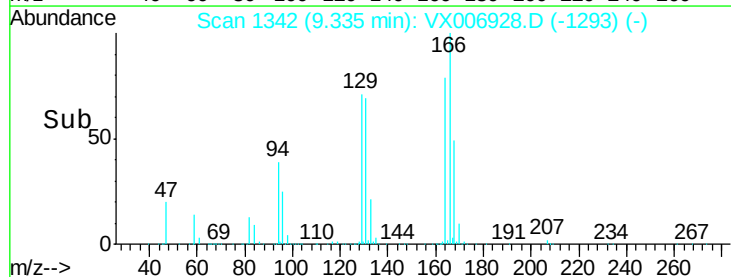
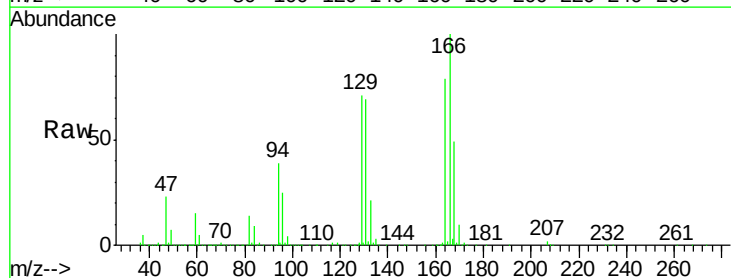
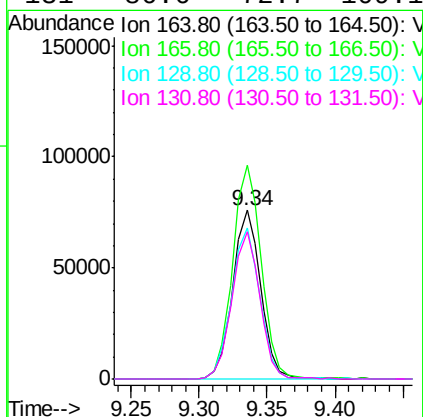
Manual Integrations
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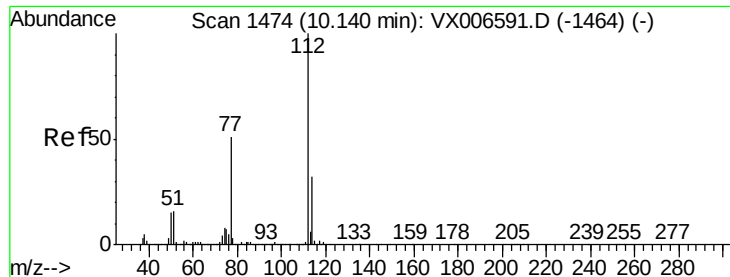
MMDadoda
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#64
Tetrachloroethene
Concen: 20.027 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.5	153.7
129	89.4	75.1	112.7
131	86.6	72.7	109.1





#65

Chlorobenzene

Concen: 20.146 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBS01

Tot Ion:112 Resp: 293145

Ion Ratio Lower Upper

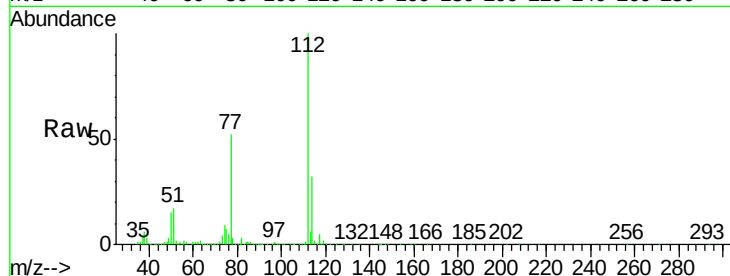
112 100

114 31.7 25.7 38.5

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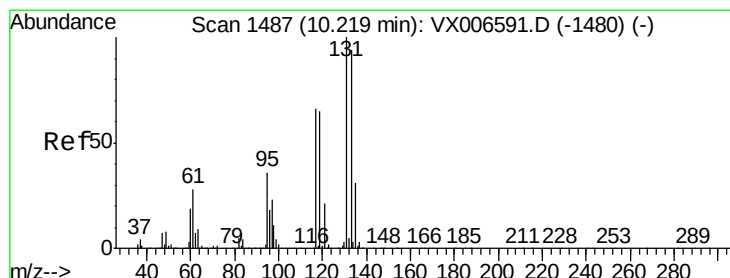
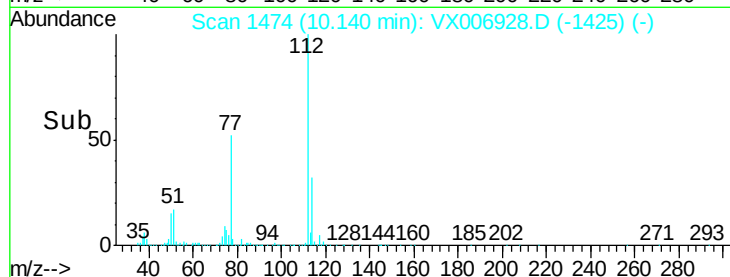
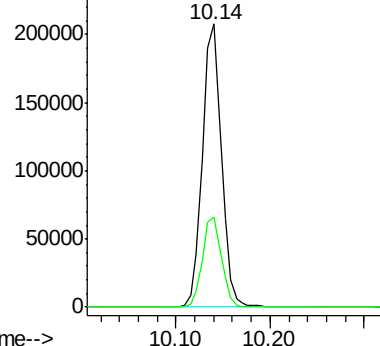
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.901 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

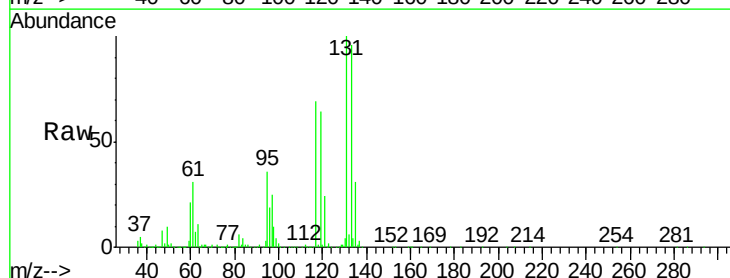
Tgt Ion:131 Resp: 103967

Ion Ratio Lower Upper

131 100

133 94.3 48.0 144.2

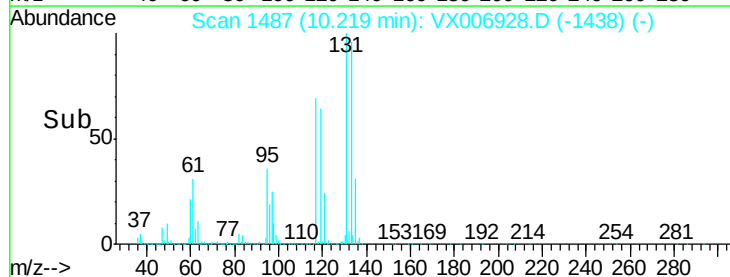
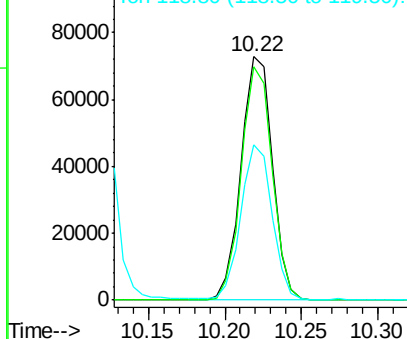
119 62.9 32.6 97.8

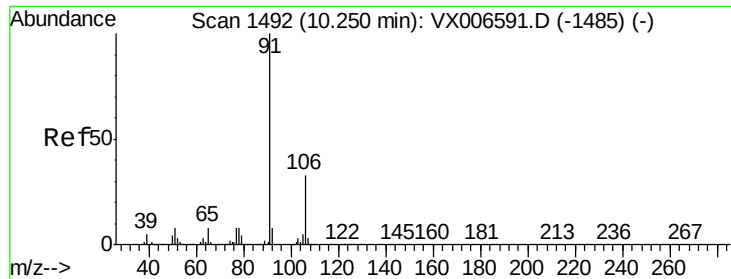


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.539 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampled :

VX0107WBS01

Tot Ion: 91 Resp: 464582

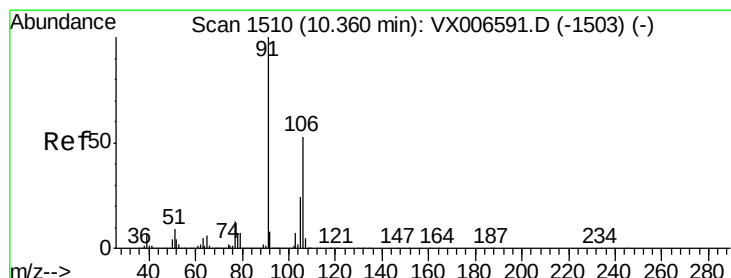
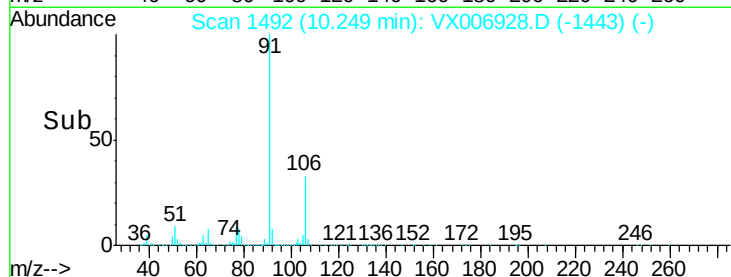
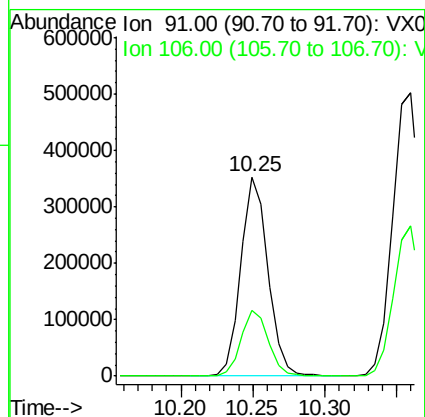
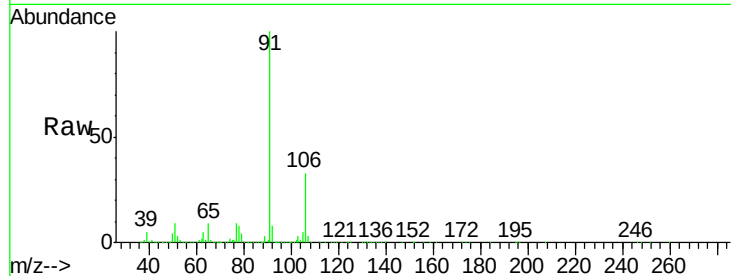
Ion Ratio Lower Upper

91 100

106 32.9 26.4 39.6

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#68

m/p-Xylenes

Concen: 39.240 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006928.D

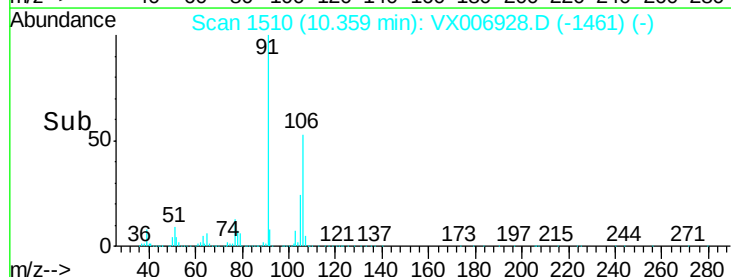
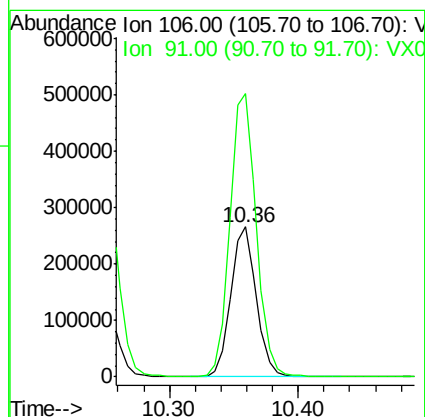
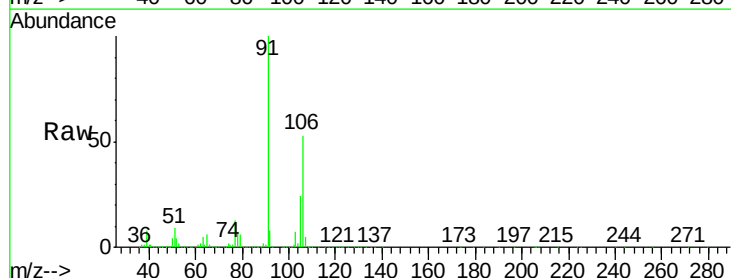
Acq: 07 Jan 2019 11:55

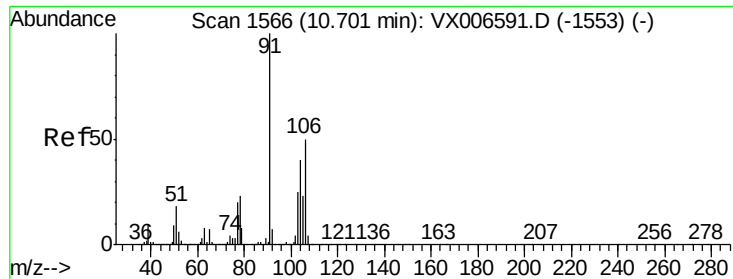
Tgt Ion: 106 Resp: 368166

Ion Ratio Lower Upper

106 100

91 195.6 155.8 233.6





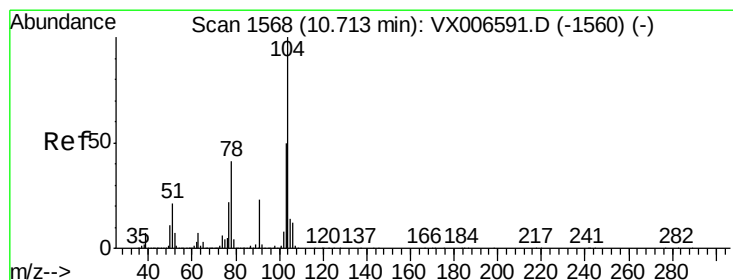
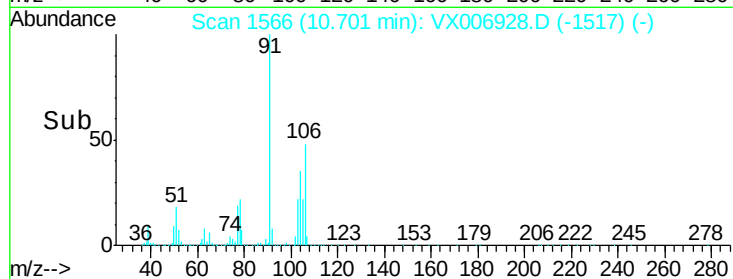
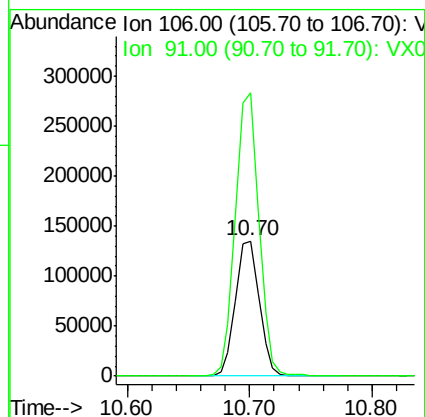
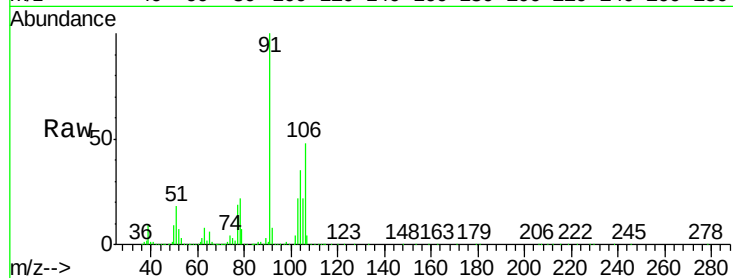
#69
o-Xylene
Concen: 19.714 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.7	101.3	303.7

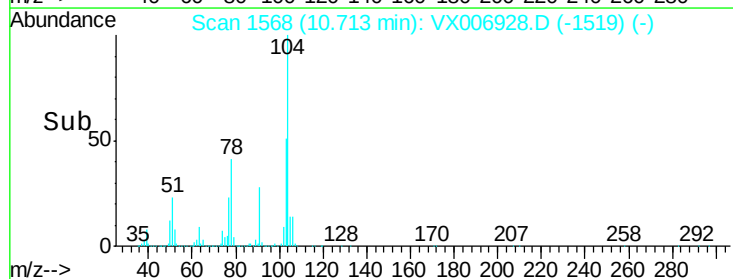
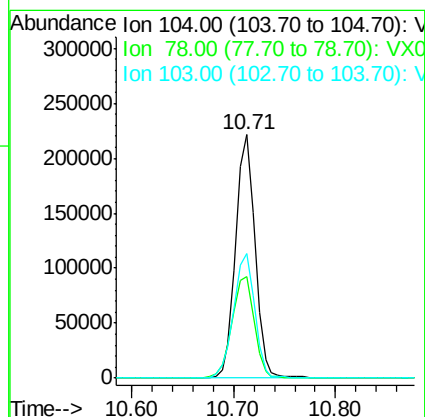
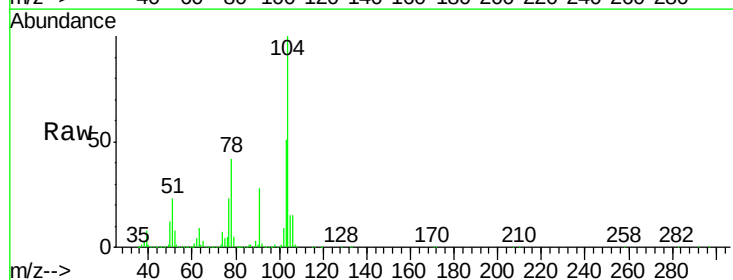
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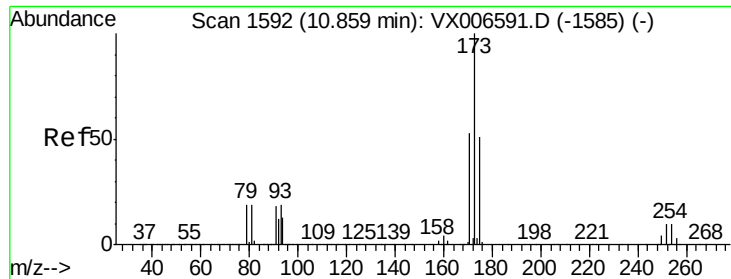
MMDadoda
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#70
Styrene
Concen: 19.865 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	37.7	56.5
103	55.7	43.8	65.8





#71

Bromoform

Concen: 21.076 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBS01

Tot Ion:173 Resp: 74705

Ion Ratio Lower Upper

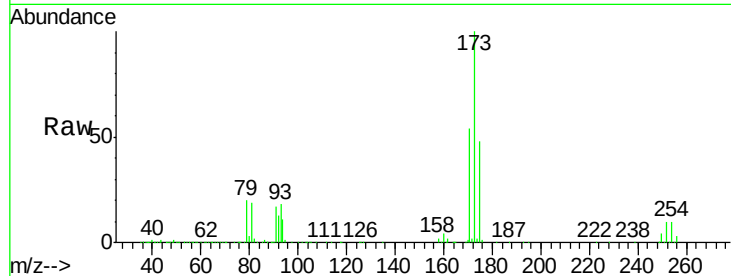
173 100

175 49.1 24.7 74.1

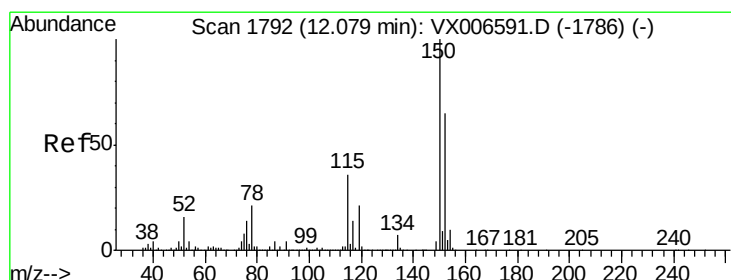
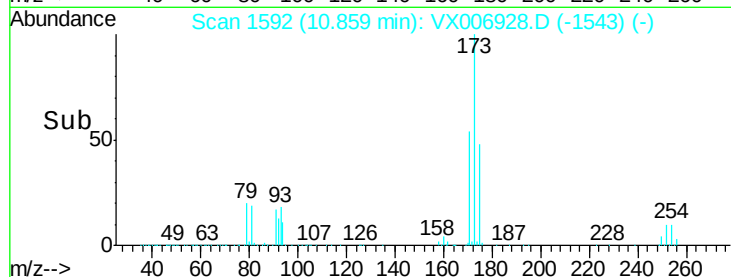
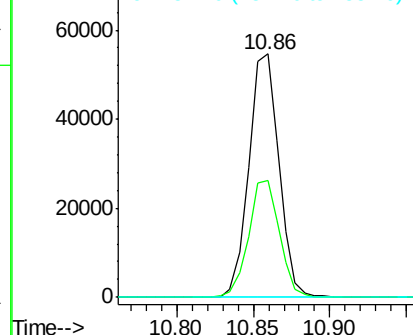
254 0.2 0.2 0.2

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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: VX006928.D

Acq: 07 Jan 2019 11:55

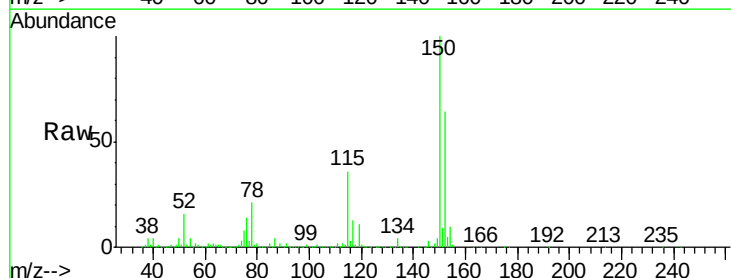
Tgt Ion:152 Resp: 352147

Ion Ratio Lower Upper

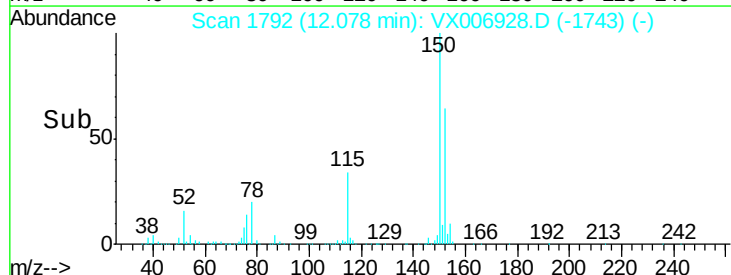
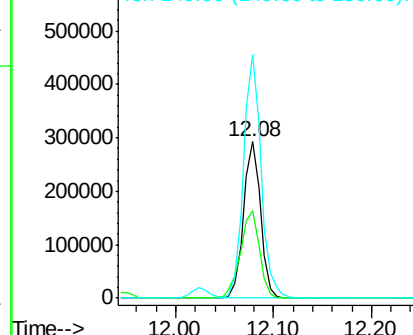
152 100

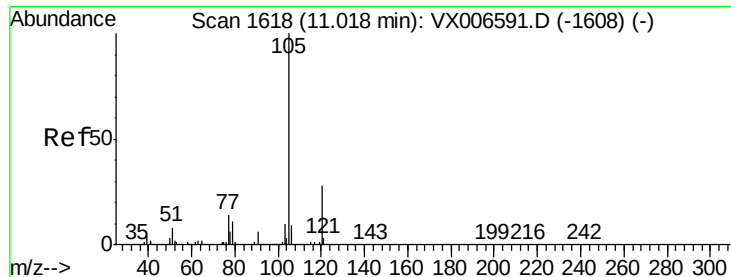
115 62.9 39.1 117.2

150 160.9 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: 20.037 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX0107WBS01

Tot Ion: 105 Resp: 482724

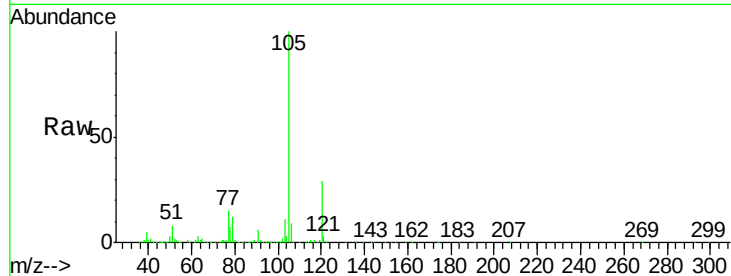
Ion Ratio Lower Upper

105 100

120 28.1 14.1 42.4

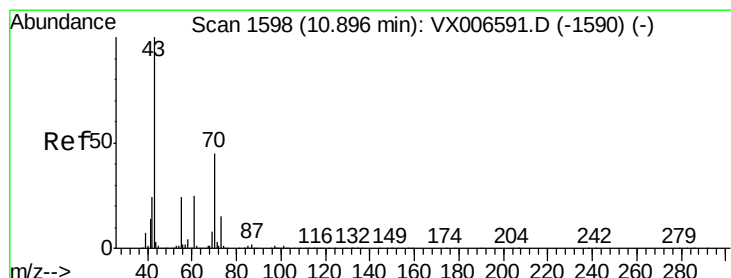
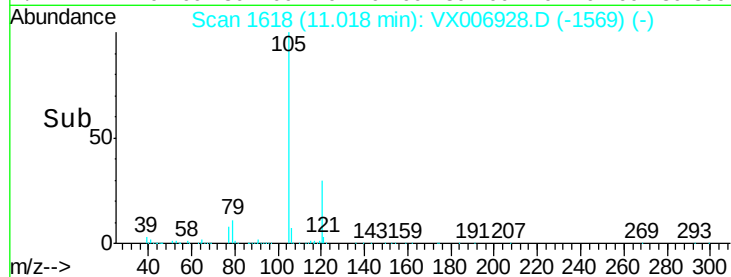
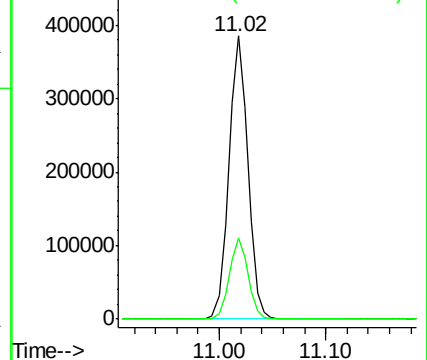
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.301 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Tgt Ion: 43 Resp: 192305

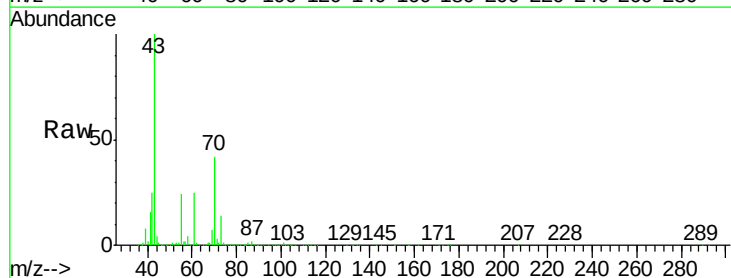
Ion Ratio Lower Upper

43 100

70 42.9 35.8 53.8

55 24.7 19.4 29.0

61 24.3 20.1 30.1

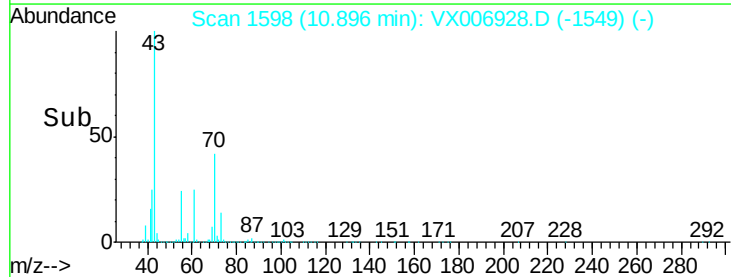
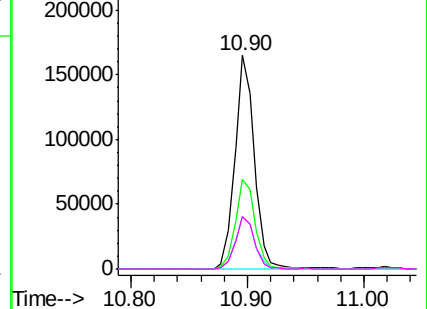


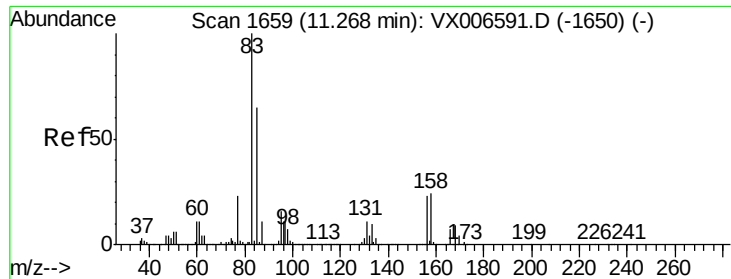
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.972 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

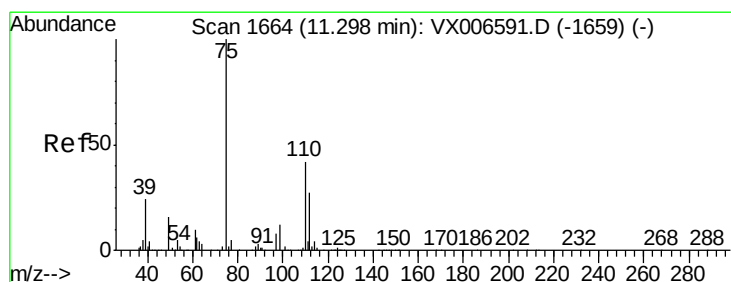
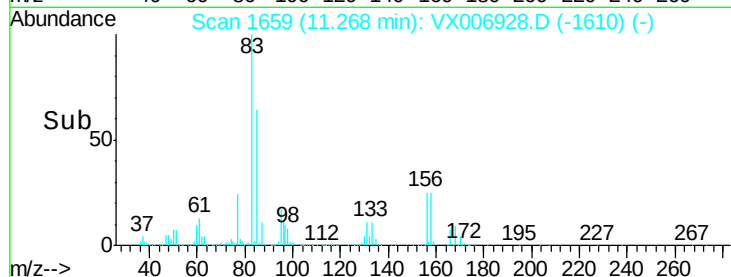
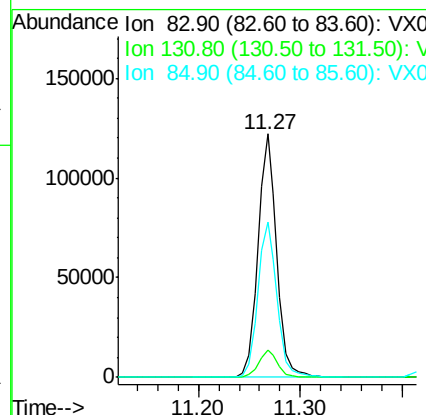
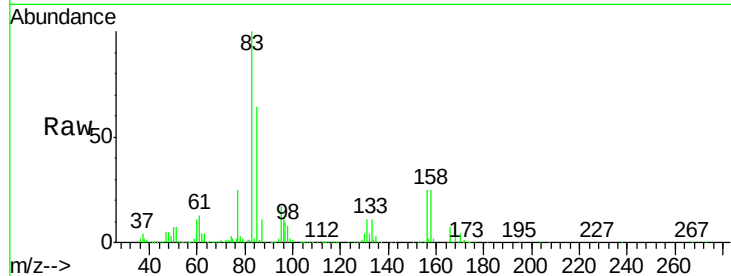
ClientSampleId :

VX0107WBS01

Tot Ion:	83	Resp:	157420
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.1
85	65.6	32.2	96.6

Manual Integrations
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MMDadoda
1/8/2019 9:33:32 AM



#76

1,2,3-Trichloropropane

Concen: 22.391 ug/l m

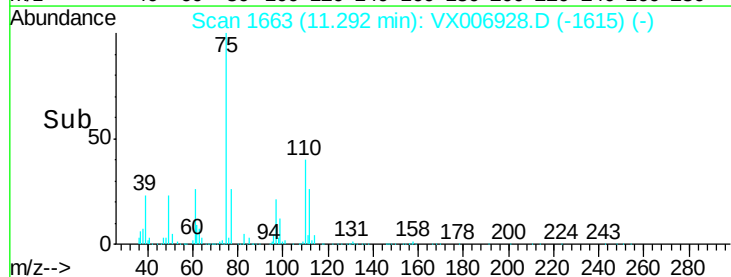
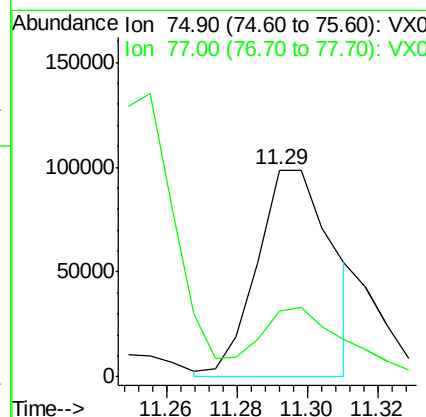
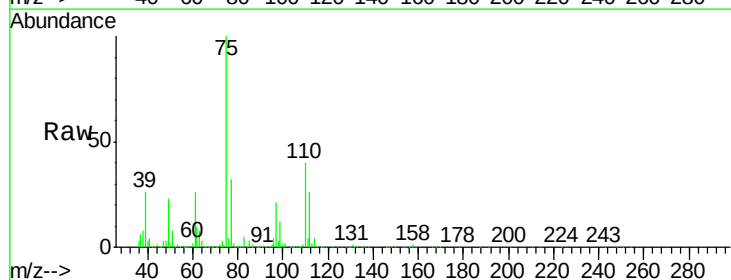
RT: 11.29 min Scan# 1663

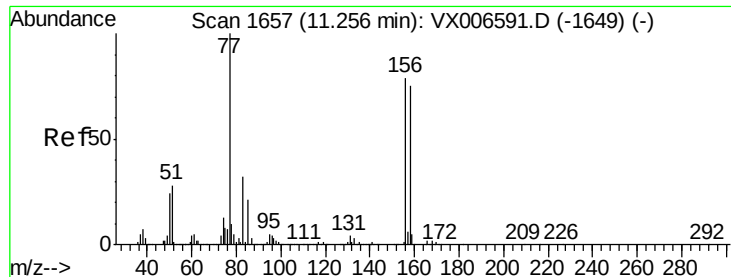
Delta R.T. -0.01 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Tgt Ion:	75	Resp:	146537
Ion Ratio	Lower	Upper	
75	100		
77	37.2	18.5	55.5





#77

Bromobenzene

Concen: 20.240 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

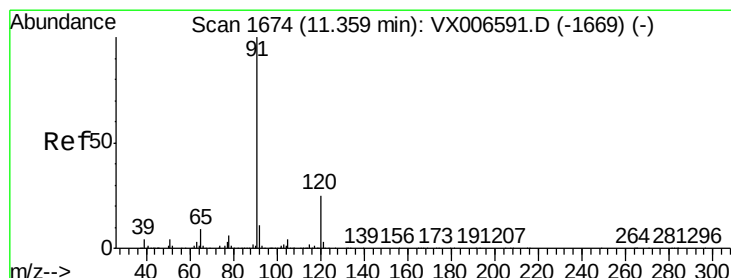
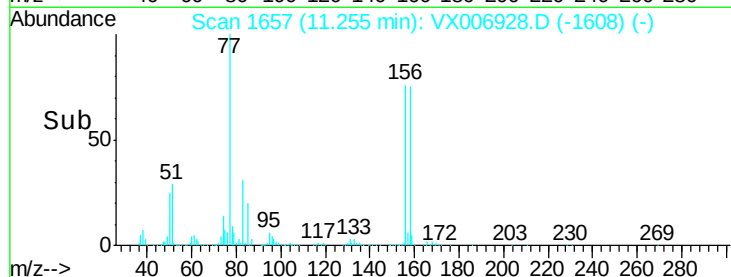
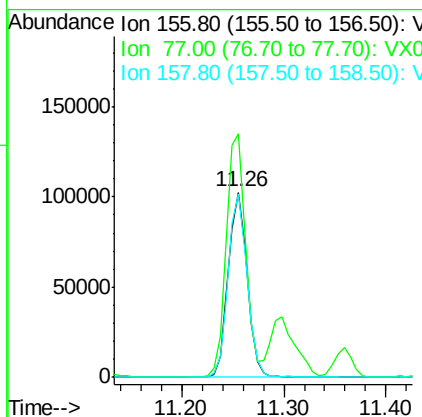
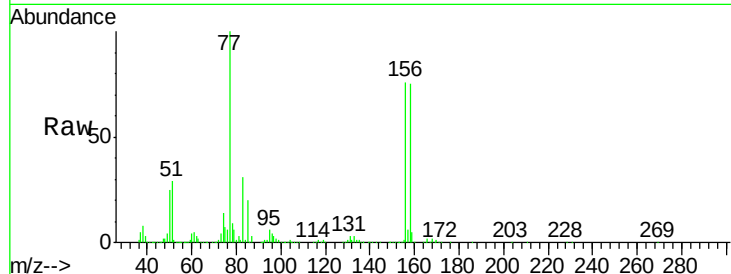
ClientSampleId :

VX0107WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.7	68.0	204.0
158	99.2	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.057 ug/l

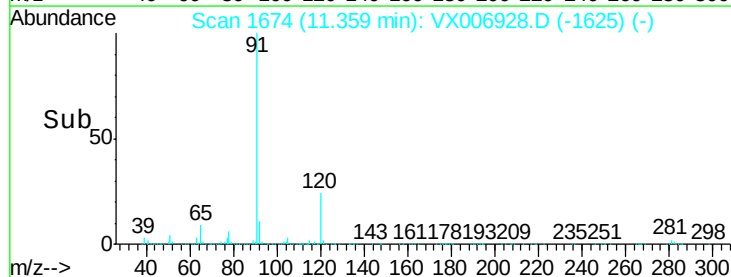
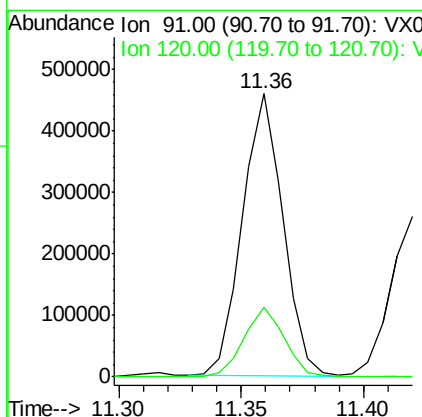
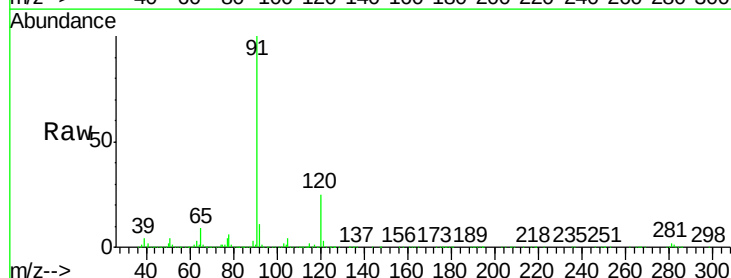
RT: 11.36 min Scan# 1674

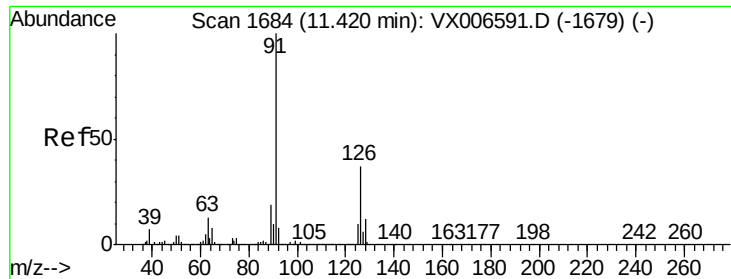
Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.631 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampled :

VX0107WBS01

Tot Ion: 91 Resp: 315598

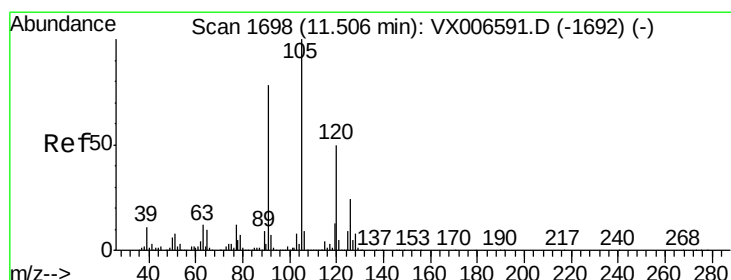
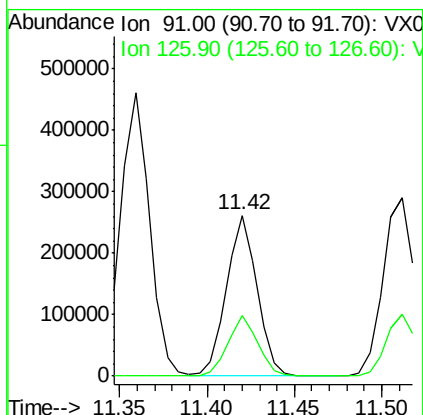
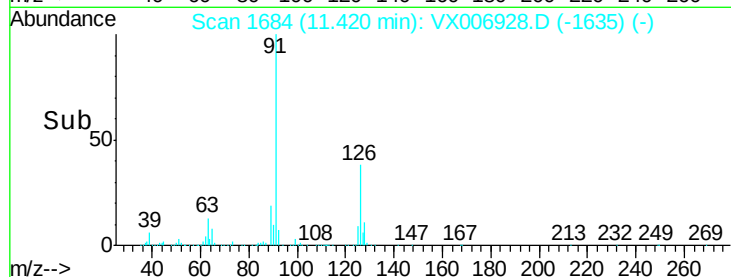
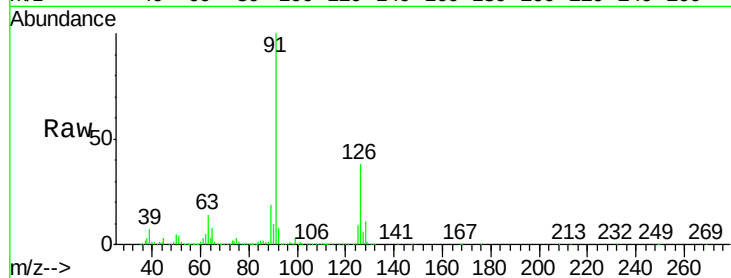
Ion Ratio Lower Upper

91 100

126 37.4 18.6 56.0

Manual Integrations
APPROVED

MMDadoda
1/8/2019 9:33:32 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.320 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006928.D

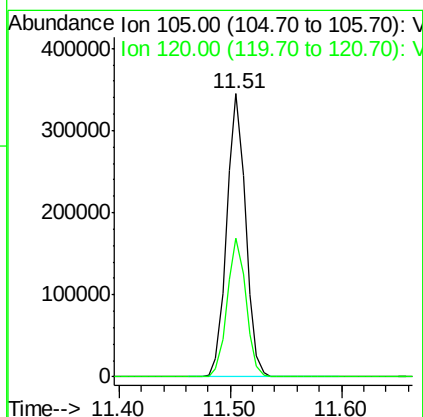
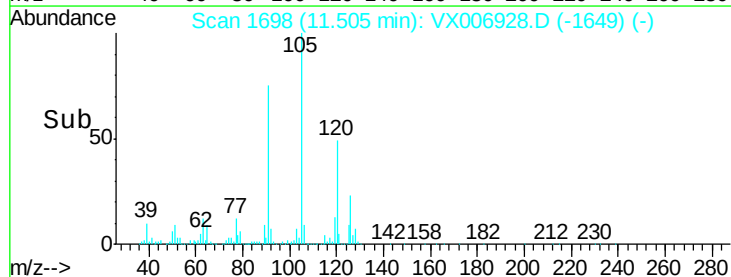
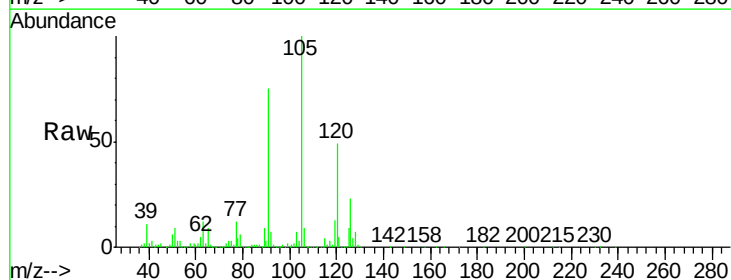
Acq: 07 Jan 2019 11:55

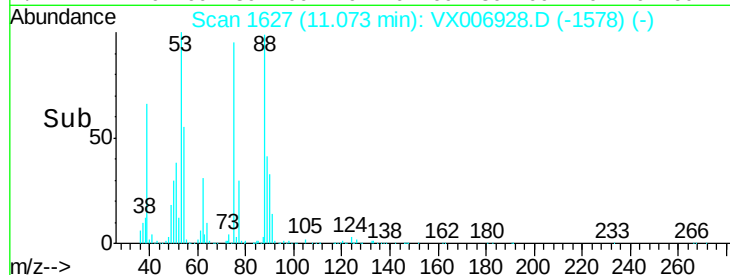
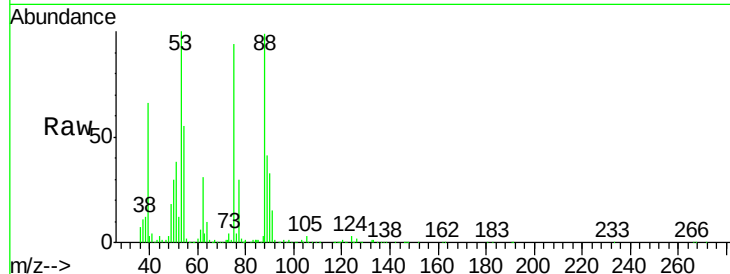
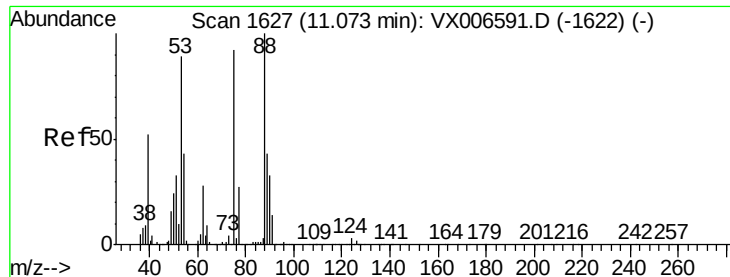
Tgt Ion: 105 Resp: 403216

Ion Ratio Lower Upper

105 100

120 48.8 25.1 75.3





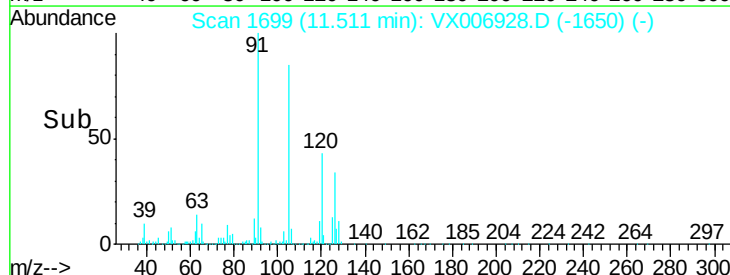
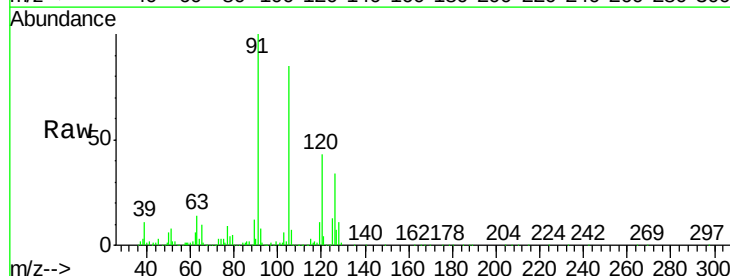
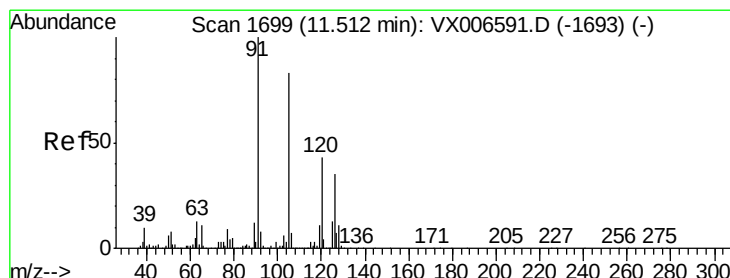
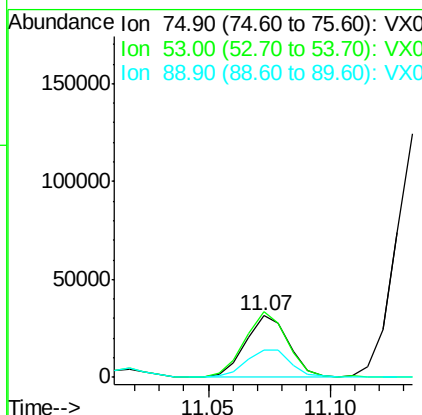
#81
trans-1,4-Dichloro-2-butene
Concen: 20.707 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.9	79.7	119.5
89	47.2	38.0	57.0

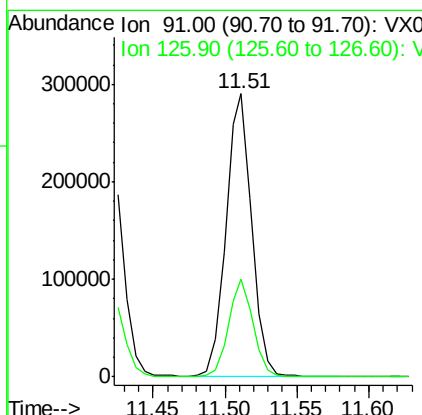
Manual Integrations
APPROVED

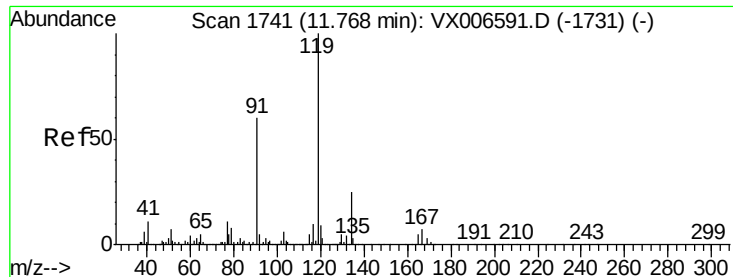
MMDadoda
1/8/2019 9:33:32 AM



#82
4-Chlorotoluene
Concen: 19.654 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.3	48.9





#83

tert-Butylbenzene

Concen: 20.644 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

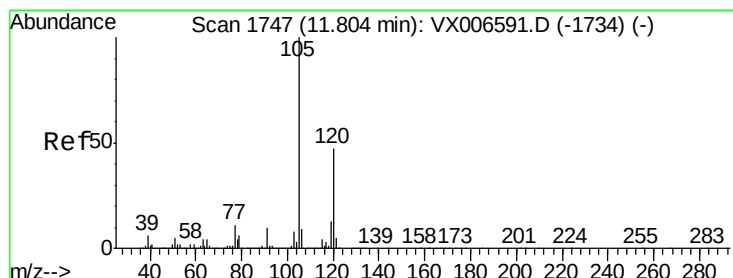
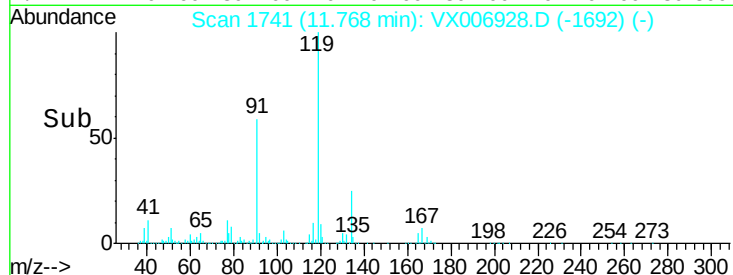
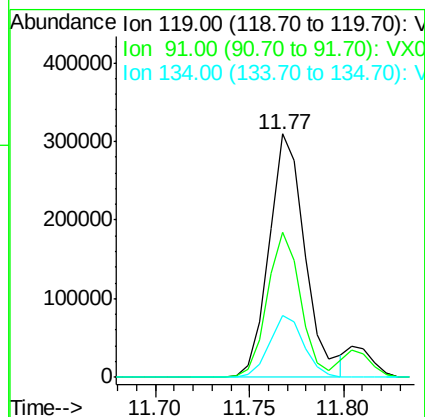
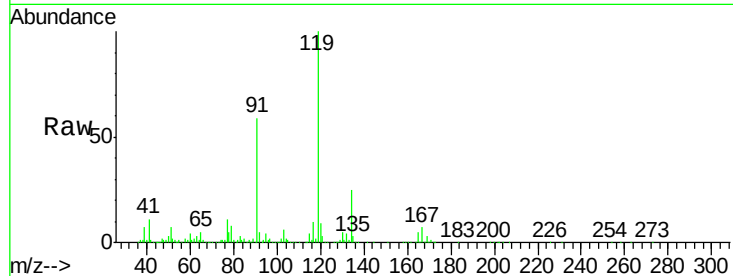
ClientSampled :

VX0107WBS01

Tot Ion:	119	Resp:	409988
Ion Ratio	Lower	Upper	
119	100		
91	54.6	27.7	83.1
134	24.4	11.9	35.5

Manual Integrations
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1/8/2019 9:33:32 AM



#84

1,2,4-Trimethylbenzene

Concen: 19.639 ug/l

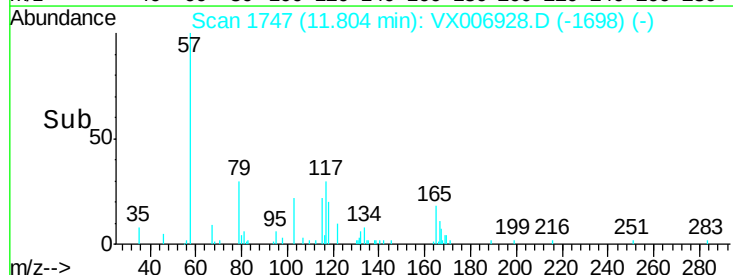
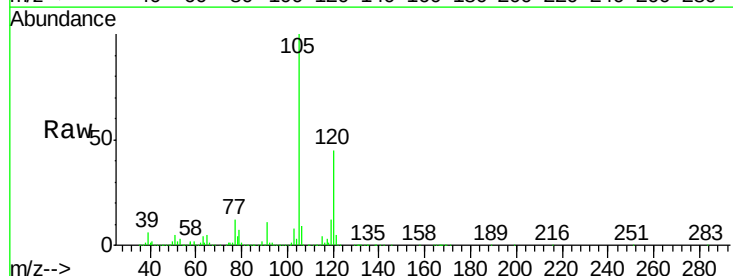
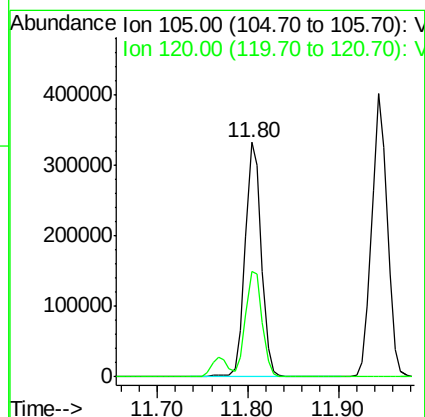
RT: 11.80 min Scan# 1747

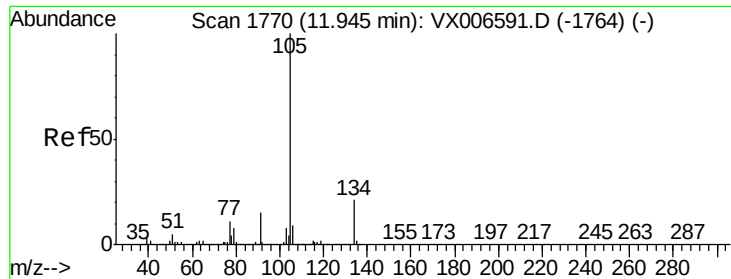
Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Tgt Ion:	105	Resp:	409889
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.669 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

ClientSampled :

VX0107WBS01

Tot Ion:105 Resp: 478911

Ion Ratio Lower Upper

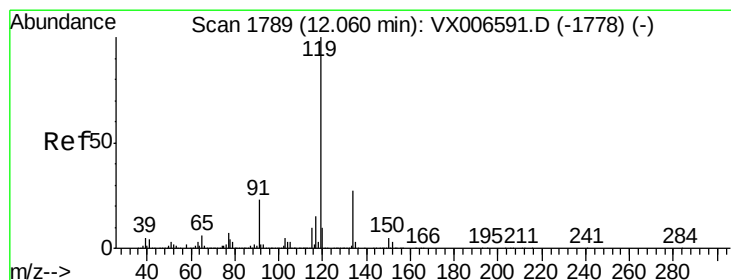
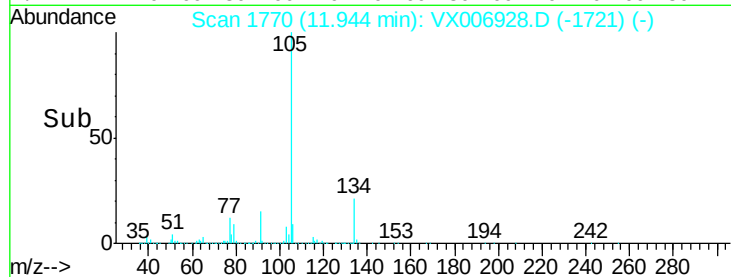
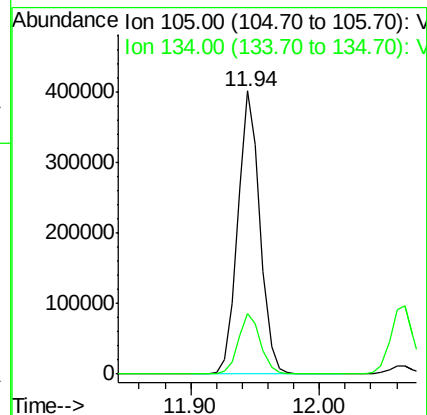
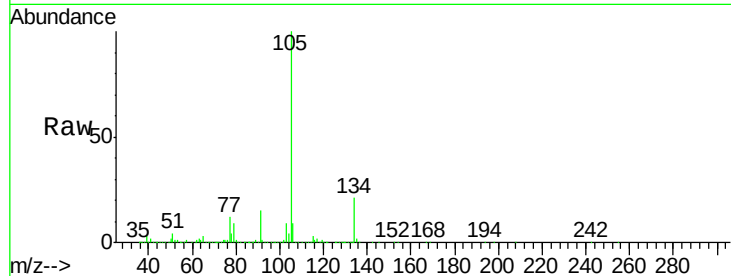
105 100

134 21.4 10.7 31.9

Manual Integrations
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1/8/2019 9:33:32 AM



#86

p-Isopropyltoluene

Concen: 20.182 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

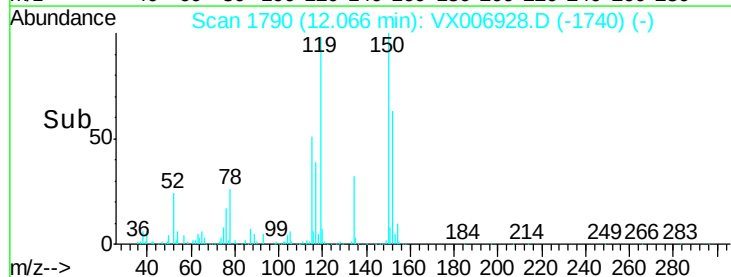
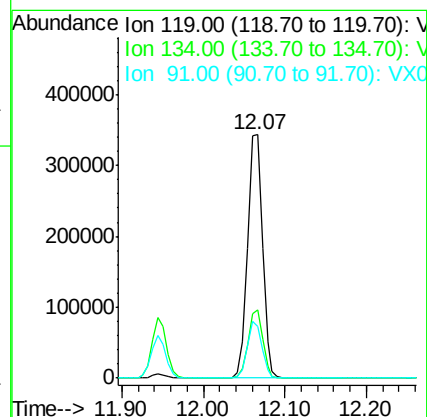
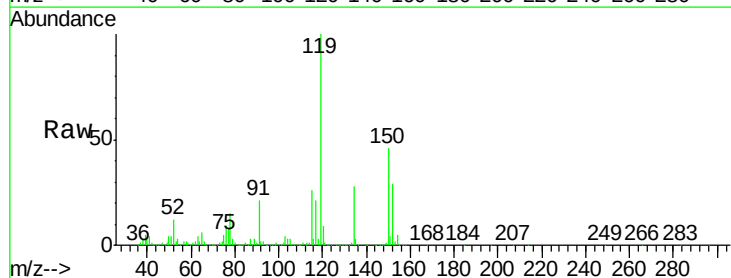
Tgt Ion:119 Resp: 431978

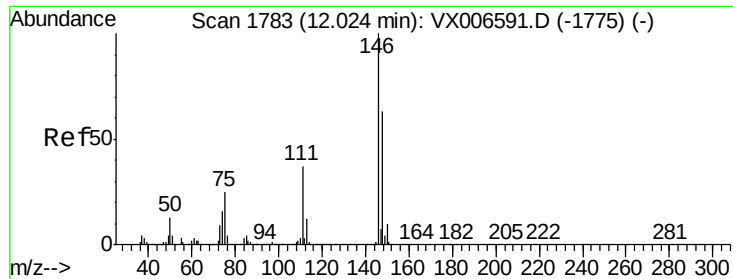
Ion Ratio Lower Upper

119 100

134 27.5 14.0 41.9

91 22.4 11.3 33.9





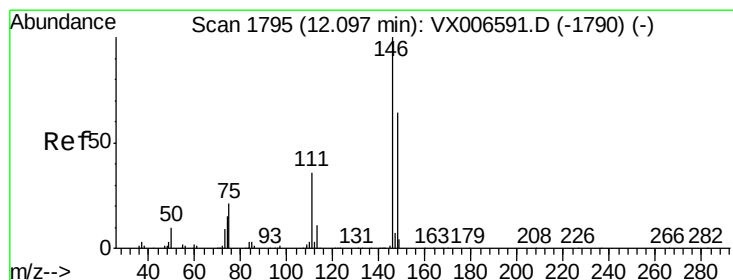
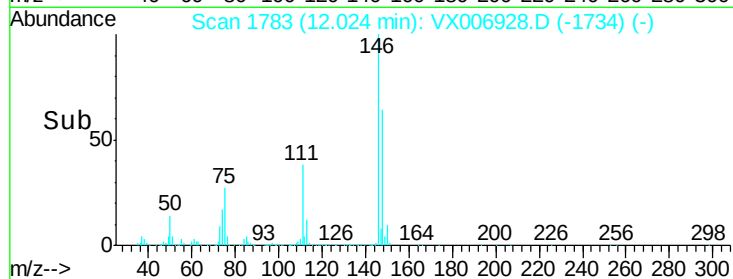
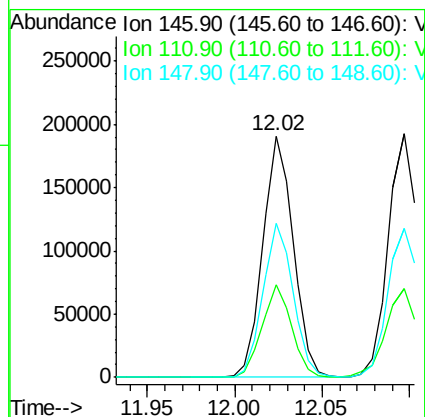
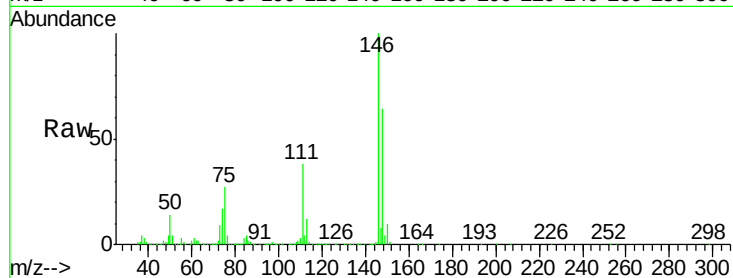
#87
 1,3-Dichlorobenzene
 Concen: 19.675 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006928.D
 Acq: 07 Jan 2019 11:55

Instrument :
 MSVOA_X
 ClientSampled :
 VX0107WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.8
148	63.4	31.8	95.3

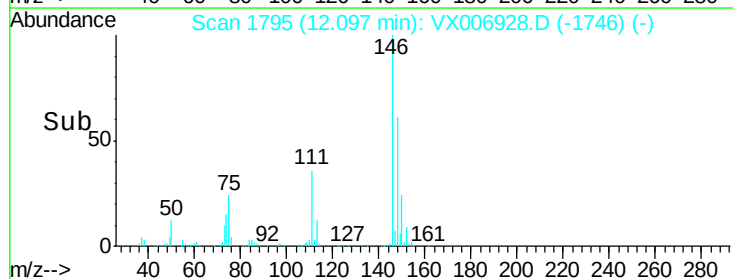
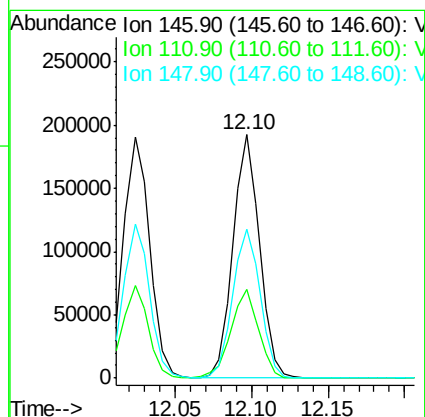
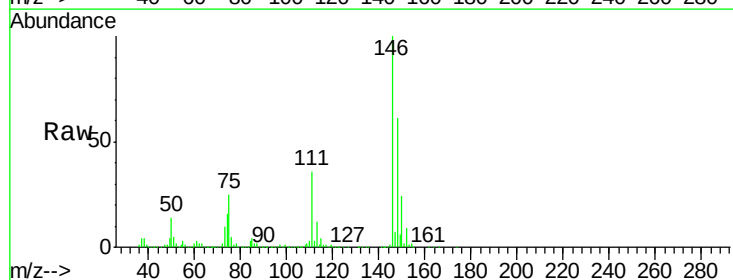
Manual Integrations
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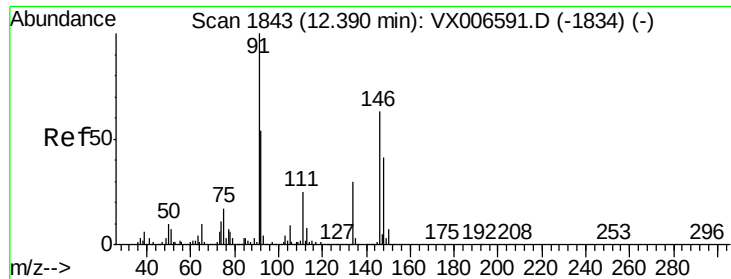
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.170 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006928.D
 Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.1	54.1
148	63.5	31.9	95.9





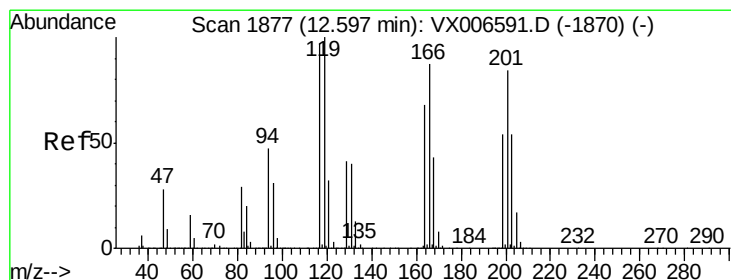
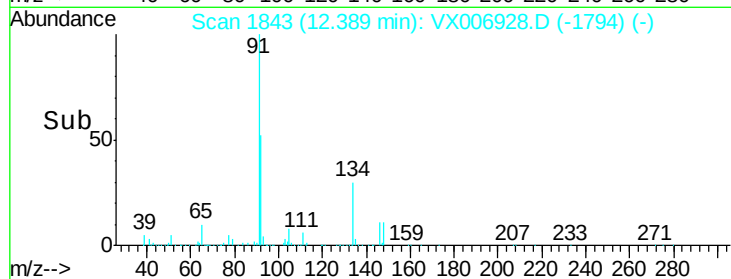
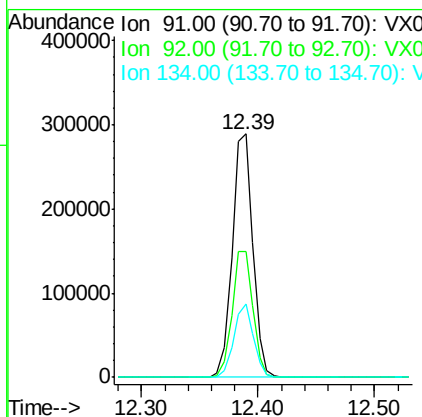
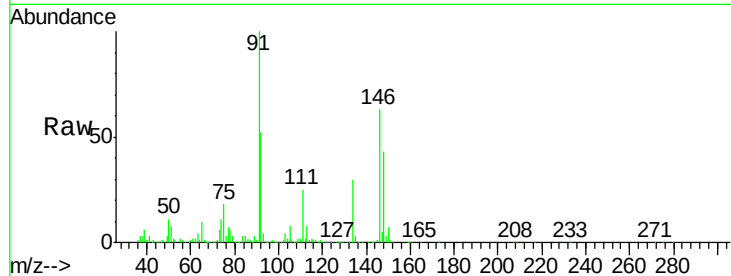
#89
n-Butylbenzene
Concen: 19.511 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX0107WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.4
134	28.9	14.4	43.2

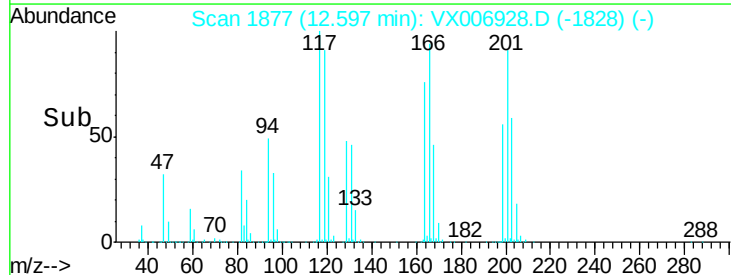
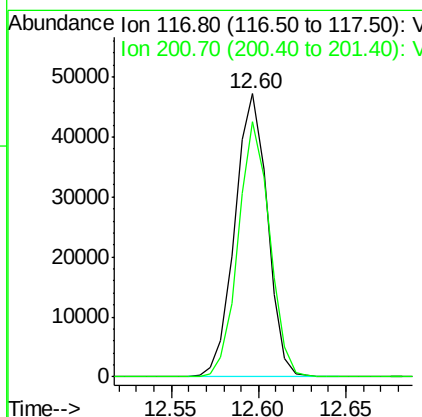
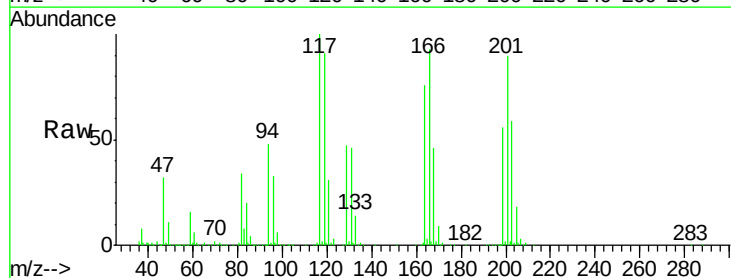
Manual Integrations
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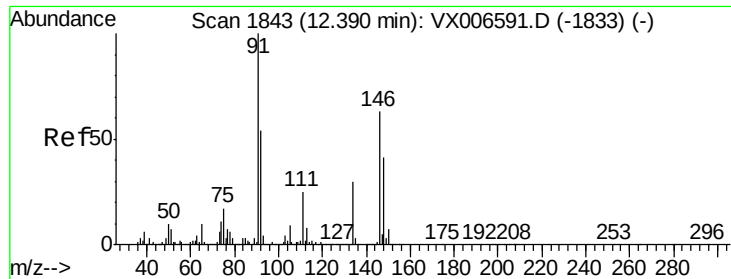
MMDadoda
1/8/2019 9:33:32 AM



#90
Hexachloroethane
Concen: 20.307 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	42.9	128.7





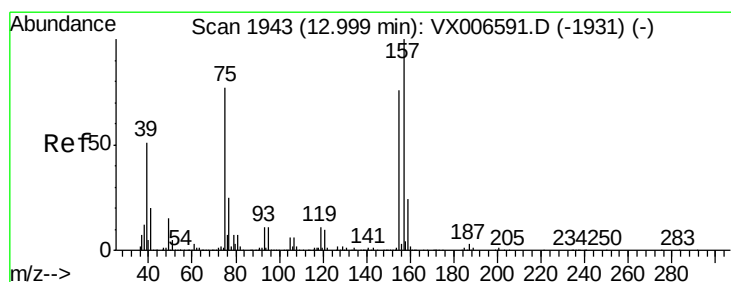
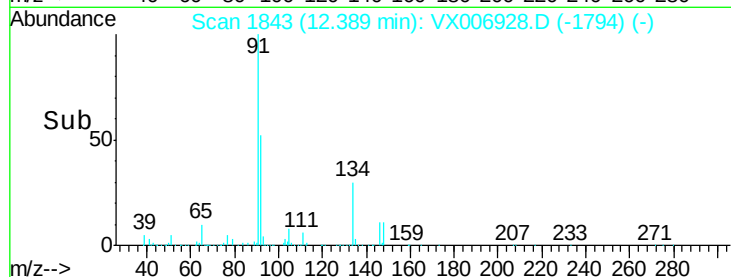
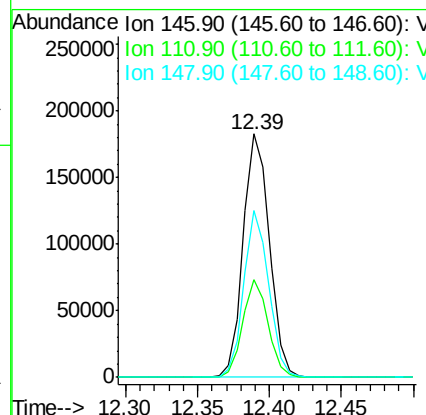
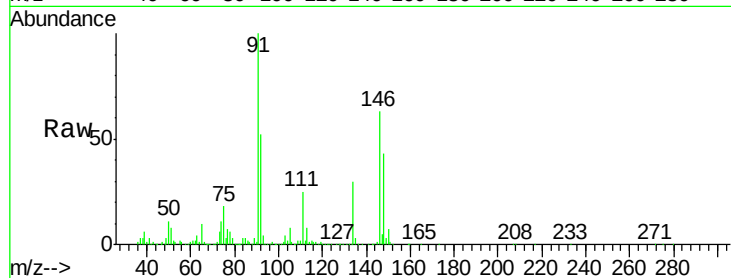
#91
 1,2-Dichlorobenzene
 Concen: 19.766 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006928.D
 Acq: 07 Jan 2019 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0107WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	65.2	32.3	96.9

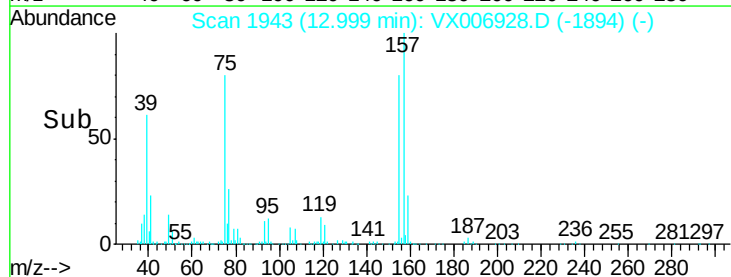
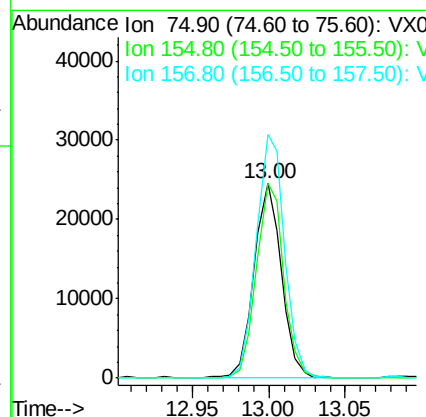
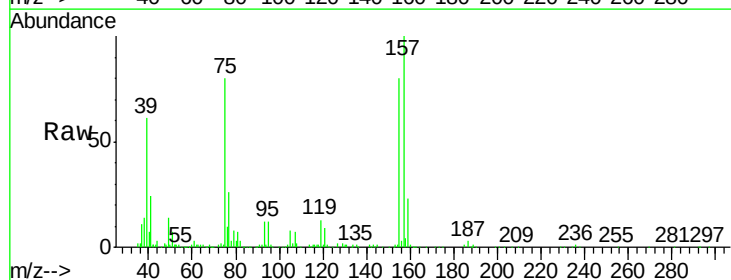
Manual Integrations
 APPROVED

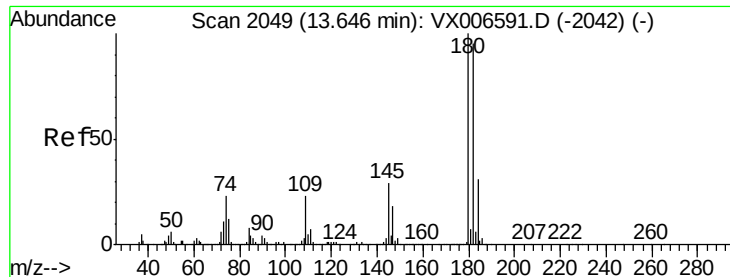
MMDadoda
 1/8/2019 9:33:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.730 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006928.D
 Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	50.6	151.8
157	128.8	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 19.638 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

Instrument :

MSVOA_X

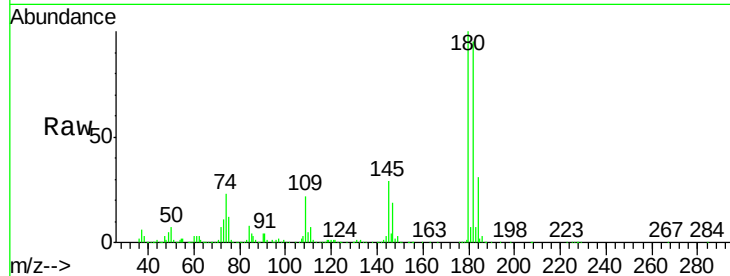
ClientSampleId :

VX0107WBS01

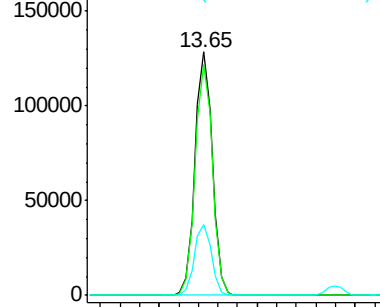
Tot Ion:	180	Resp:	159064
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.3	142.0
145	29.0	14.8	44.3

Manual Integrations
APPROVED

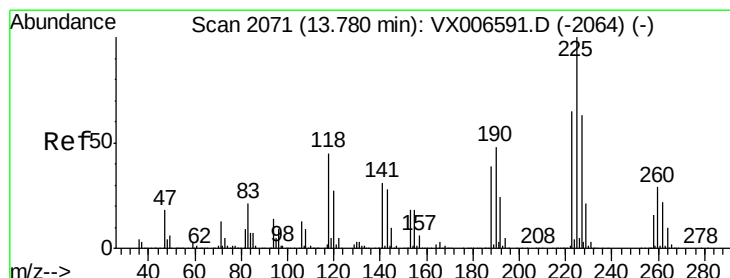
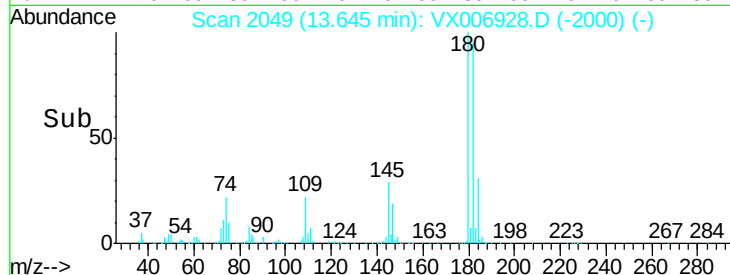
MMDadoda
1/8/2019 9:33:32 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



Time-->



#94

Hexachlorobutadiene

Concen: 18.990 ug/l

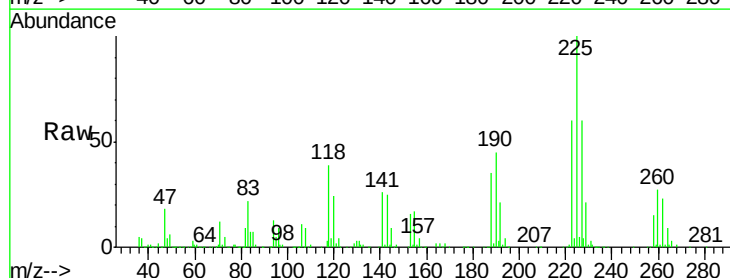
RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

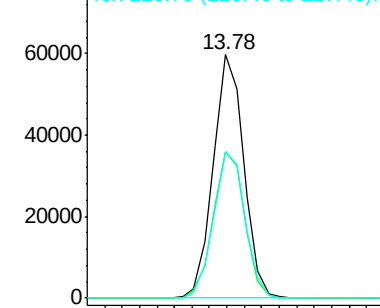
Lab File: VX006928.D

Acq: 07 Jan 2019 11:55

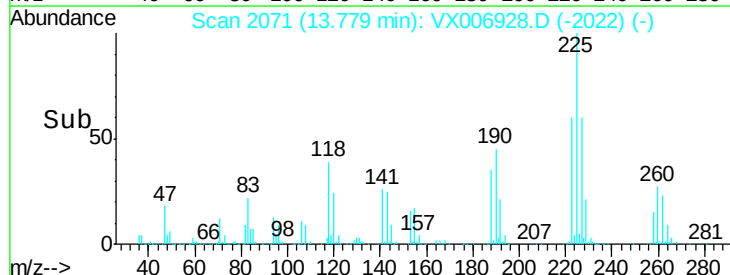
Tgt Ion:	225	Resp:	72500
Ion Ratio	Lower	Upper	
225	100		
223	61.9	32.1	96.3
227	62.0	32.3	96.8

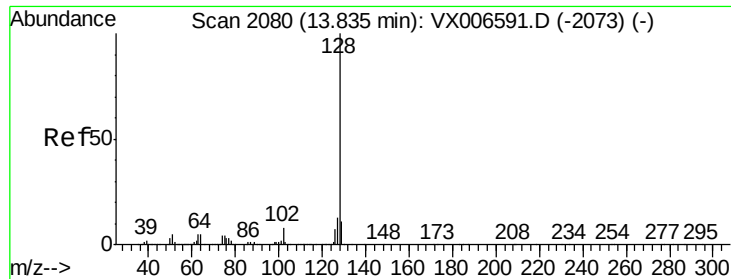


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time-->





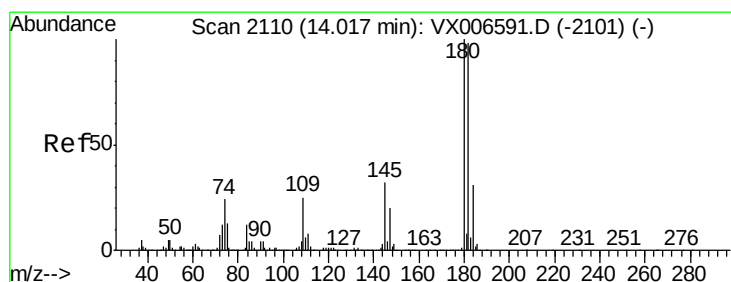
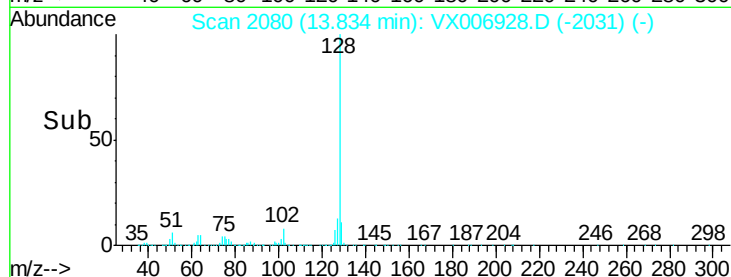
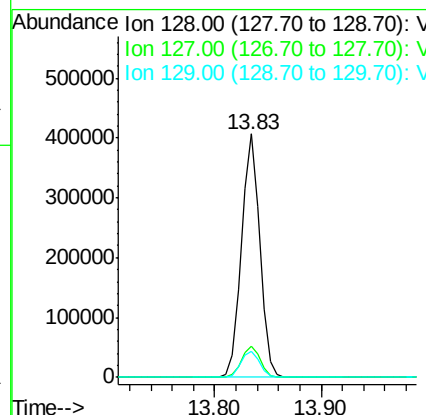
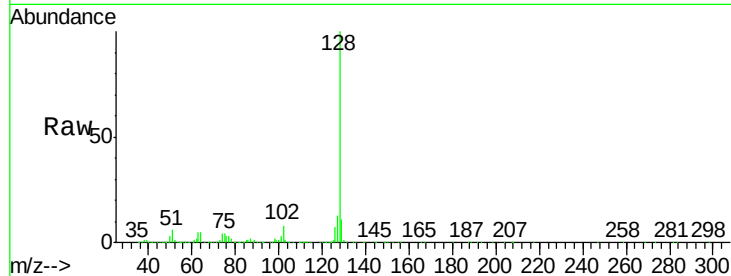
#95
Naphthalene
Concen: 19.073 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Instrument :
MSVOA_X
ClientSampled :
VX0107WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/8/2019 9:33:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.226 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006928.D
Acq: 07 Jan 2019 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.5	145.5
145	30.9	16.0	47.9

