

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021219\
 Data File : VX007490.D
 Acq On : 12 Feb 2019 15:56
 Operator : JC/SP
 Sample : VX0212WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 12:01:00 PM

Quant Time: Feb 13 01:06:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	450344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	681440	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	621933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	310622	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	240638	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	5.51	113	220480	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	8.71	98	810122	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.13	95	285488	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	99515	18.096	ug/l	100
3) Chloromethane	1.33	50	89769	17.697	ug/l	100
4) Vinyl Chloride	1.41	62	95884	19.268	ug/l	100
5) Bromomethane	1.64	94	80856	16.100	ug/l	96
6) Chloroethane	1.73	64	64147	19.927	ug/l	96
7) Trichlorofluoromethane	1.93	101	148802	19.115	ug/l	95
8) Diethyl Ether	2.19	74	55924	19.087	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	84265	18.198	ug/l	99
10) Methyl Iodide	2.51	142	99705	14.637	ug/l	99
11) Tert butyl alcohol	3.07	59	111025	112.234	ug/l	99
12) 1,1-Dichloroethene	2.38	96	77420	18.005	ug/l	96
13) Acrolein	2.30	56	27907	60.160	ug/l	98
14) Allyl chloride	2.73	41	138255	19.733	ug/l	98
15) Acrylonitrile	3.15	53	249898	102.118	ug/l	99
16) Acetone	2.45	43	224907	102.716	ug/l	97
17) Carbon Disulfide	2.57	76	193608	18.610	ug/l	98
18) Methyl Acetate	2.78	43	135455	24.054	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	273332	19.621	ug/l	98
20) Methylene Chloride	2.86	84	91933	20.322	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	82290	17.965	ug/l	95
22) Diisopropyl ether	3.87	45	255792	19.848	ug/l	97
23) Vinyl Acetate	3.82	43	1066280	99.707	ug/l	100
24) 1,1-Dichloroethane	3.70	63	145235	19.624	ug/l	99
25) 2-Butanone	4.70	43	330170	105.957	ug/l	98
26) 2,2-Dichloropropane	4.59	77	99503	17.654	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	96726	19.334	ug/l	98
28) Bromochloromethane	5.03	49	66265	19.470	ug/l	98
29) Tetrahydrofuran	5.15	42	211481	107.910	ug/l	99
30) Chloroform	5.22	83	153135	19.829	ug/l	99
31) Cyclohexane	5.57	56	118789	17.871	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	129724	19.900	ug/l	99
36) 1,1-Dichloropropene	5.80	75	105508	17.256	ug/l	98
37) Ethyl Acetate	4.85	43	120510	19.498	ug/l	99
38) Carbon Tetrachloride	5.78	117	112951	19.042	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
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Manual Integrations
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MMDadoda
 2/13/2019 12:01:00 PM

Quant Time: Feb 13 01:06:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	124142	16.782	ug/l	95
40) Benzene	6.14	78	337582	18.744	ug/l	98
41) Methacrylonitrile	5.06	41	64317	19.416	ug/l	97
42) 1,2-Dichloroethane	6.20	62	115741	18.574	ug/l	99
43) Isopropyl Acetate	6.46	43	187789	19.684	ug/l	99
44) Trichloroethene	7.21	130	97408	17.958	ug/l	100
45) 1,2-Dichloropropane	7.52	63	87004	19.280	ug/l	98
46) Dibromomethane	7.66	93	60331	18.395	ug/l	98
47) Bromodichloromethane	7.90	83	106046	19.078	ug/l	98
48) Methyl methacrylate	7.77	41	95951	20.108	ug/l	99
49) 1,4-Dioxane	7.75	88	46523	432.634	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	640407	101.973	ug/l	99
52) Toluene	8.78	92	215871	18.577	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	110346	18.482	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	126715	19.299	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	91328	18.855	ug/l	96
56) Ethyl methacrylate	9.18	69	129344	19.280	ug/l	97
57) 1,3-Dichloropropane	9.37	76	146369	19.001	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	356060	100.695	ug/l	99
59) 2-Hexanone	9.49	43	491968	100.668	ug/l	100
60) Dibromochloromethane	9.58	129	89157	19.462	ug/l	97
61) 1,2-Dibromoethane	9.67	107	95930	18.701	ug/l	95
64) Tetrachloroethene	9.34	164	97609	16.651	ug/l	98
65) Chlorobenzene	10.14	112	246740	18.180	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	90423	19.872	ug/l	98
67) Ethyl Benzene	10.25	91	404426	18.504	ug/l	98
68) m/p-Xylenes	10.36	106	317805	36.580	ug/l	100
69) o-Xylene	10.70	106	157314	18.818	ug/l	98
70) Styrene	10.71	104	248497	18.329	ug/l	99
71) Bromoform	10.85	173	66698	19.395	ug/l	99
73) Isopropylbenzene	11.02	105	410391	19.442	ug/l	99
74) N-amyl acetate	10.90	43	165381	20.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	139556	21.694	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	128258m	21.228	ug/l	
77) Bromobenzene	11.26	156	113359	19.060	ug/l	100
78) n-propylbenzene	11.36	91	454423	19.632	ug/l	100
79) 2-Chlorotoluene	11.42	91	267773	19.065	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	335748	19.442	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34376	20.327	ug/l	95
82) 4-Chlorotoluene	11.51	91	311645	19.176	ug/l	99
83) tert-Butylbenzene	11.77	119	330963	19.357	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	344720	19.662	ug/l	100
85) sec-Butylbenzene	11.94	105	406833	19.660	ug/l	99
86) p-Isopropyltoluene	12.06	119	360561	19.302	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	195130	18.282	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	195996	18.099	ug/l	98
89) n-Butylbenzene	12.39	91	292514	18.203	ug/l	100
90) Hexachloroethane	12.60	117	55738	19.937	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	199163	18.750	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28033	20.957	ug/l	97

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ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	130376	18.200	ug/l	98
94) Hexachlorobutadiene	13.78	225	60856	17.495	ug/l	98
95) Naphthalene	13.83	128	413692	19.748	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134093	18.596	ug/l	99

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

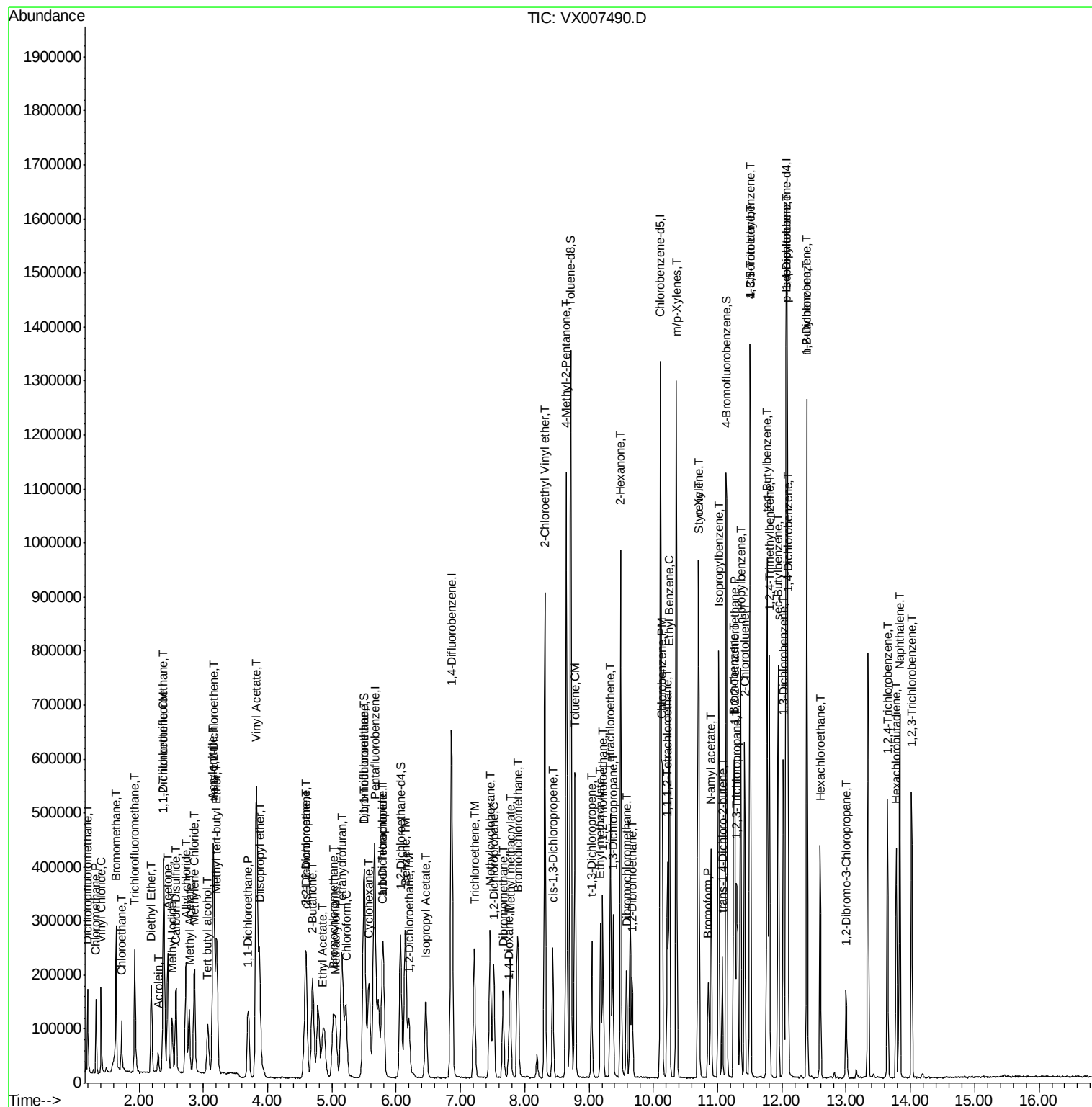
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Data File : VX007490.D
Acq On : 12 Feb 2019 15:56
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Sample : VX0212WBSD01
Misc : 5.0mL/MSVOA X/WATER
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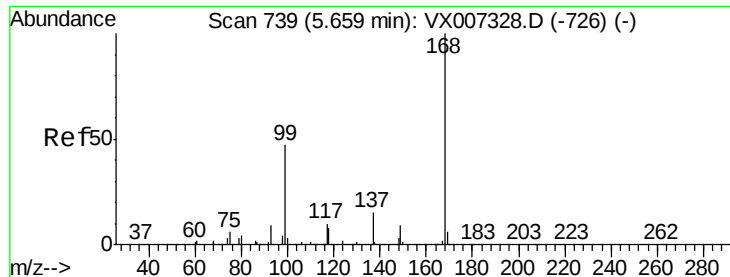
Instrument :
MSVOA_X
Client Sample Id :
VX0212WBSD01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion:168 Resp: 450344

Ion Ratio Lower Upper

168 100

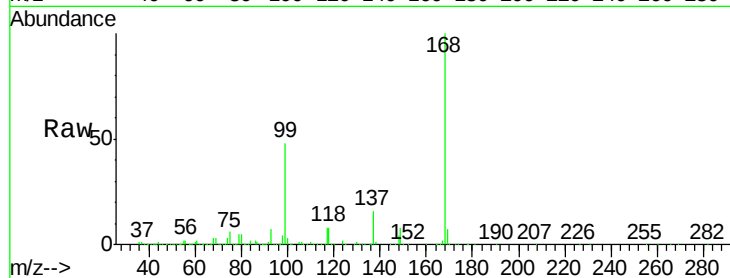
99 48.3 37.9 56.9

Manual Integrations

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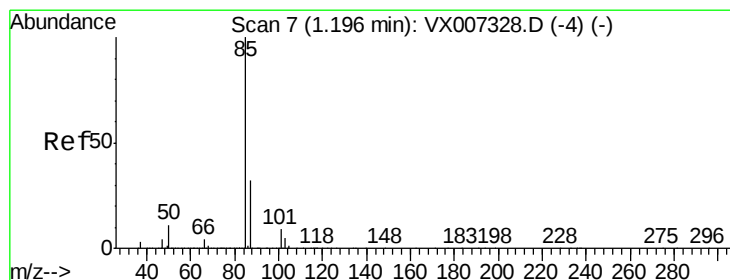
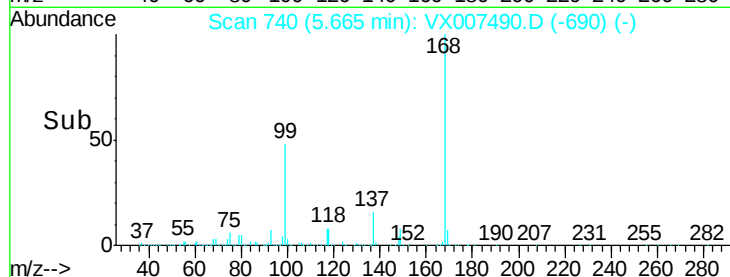
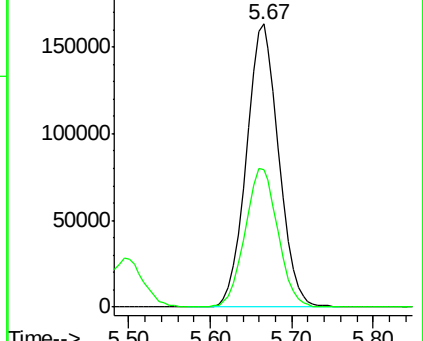
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.096 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007490.D

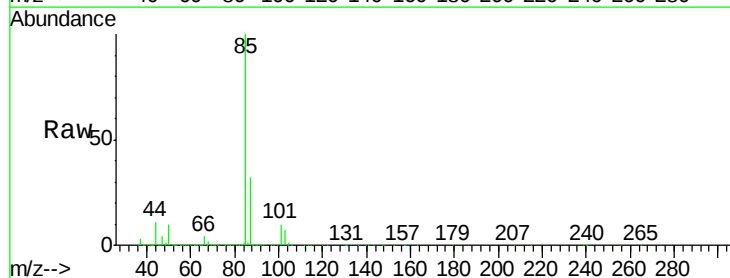
Acq: 12 Feb 2019 15:56

Tgt Ion: 85 Resp: 99515

Ion Ratio Lower Upper

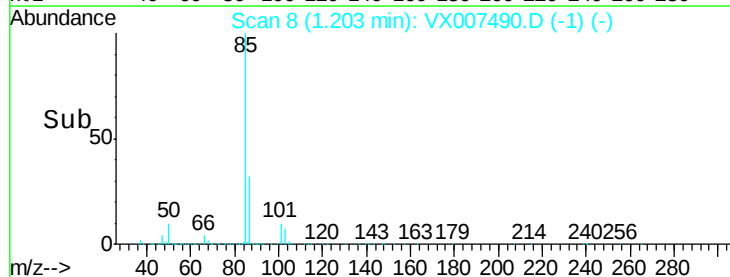
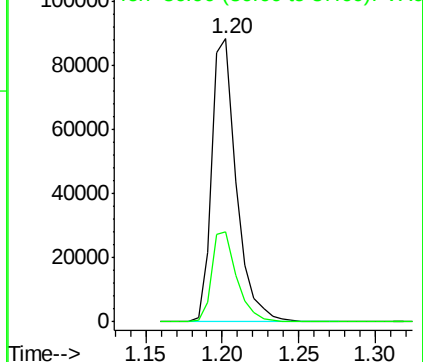
85 100

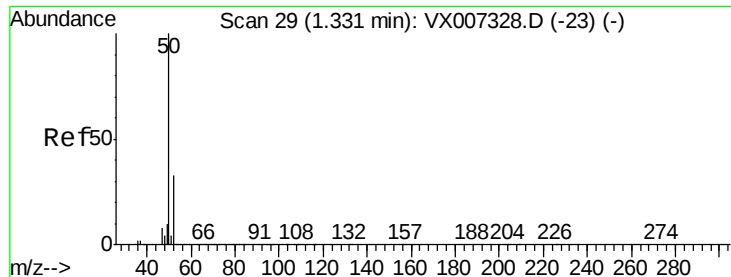
87 31.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.697 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion: 50 Resp: 89769

Ion Ratio Lower Upper

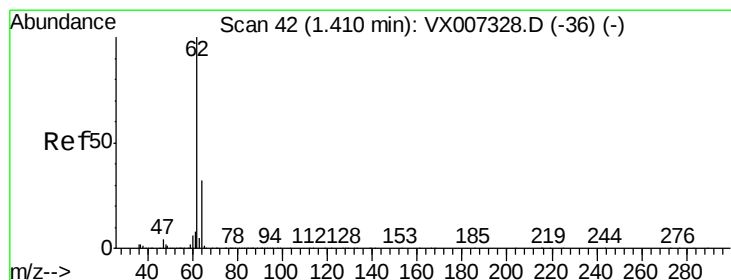
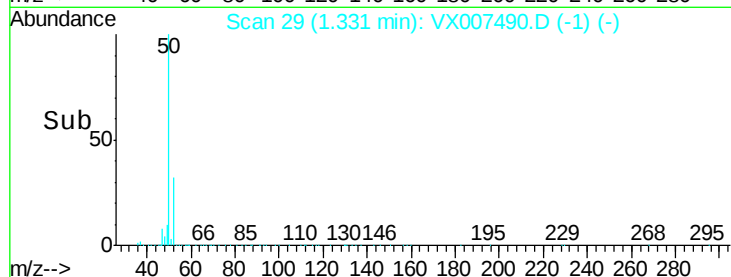
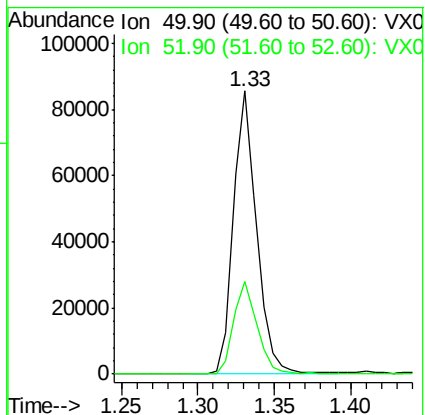
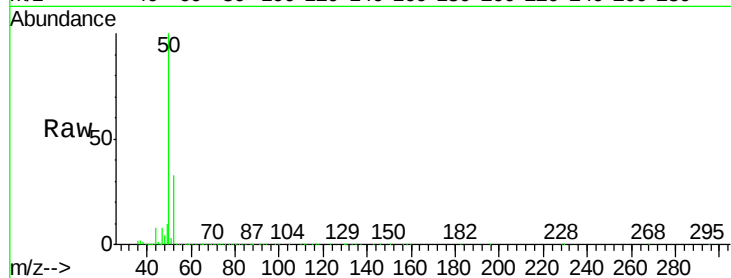
50 100

52 32.4 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.268 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007490.D

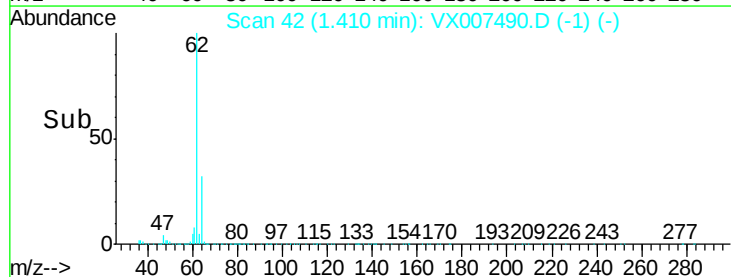
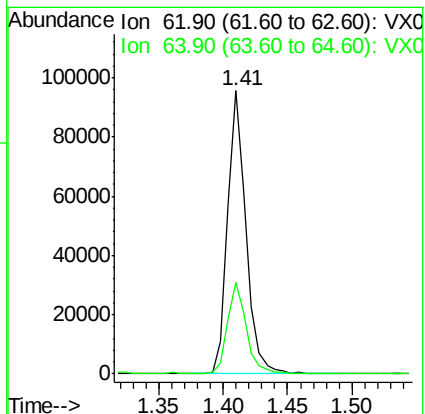
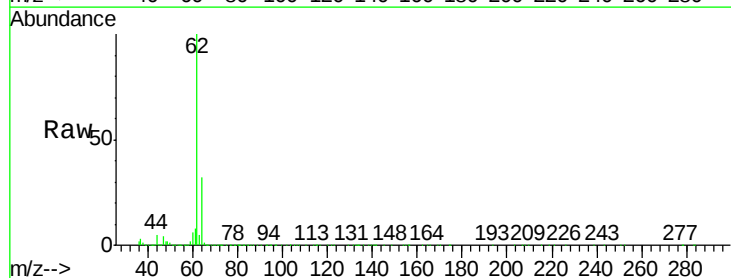
Acq: 12 Feb 2019 15:56

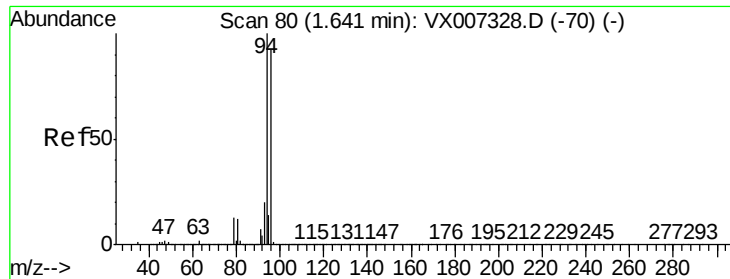
Tgt Ion: 62 Resp: 95884

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 16.100 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion: 94 Resp: 80856

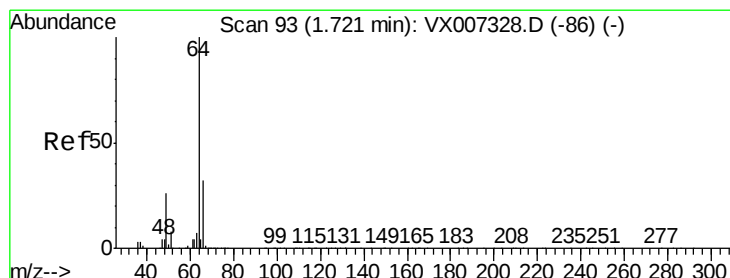
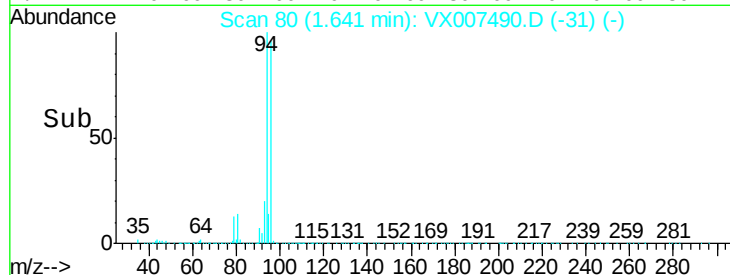
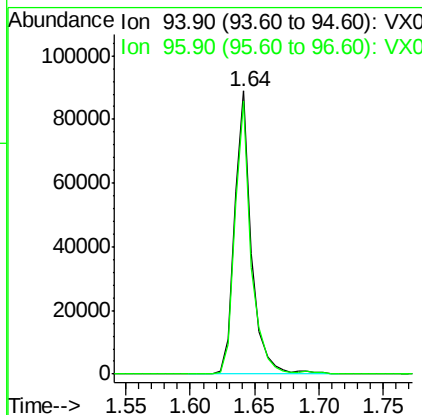
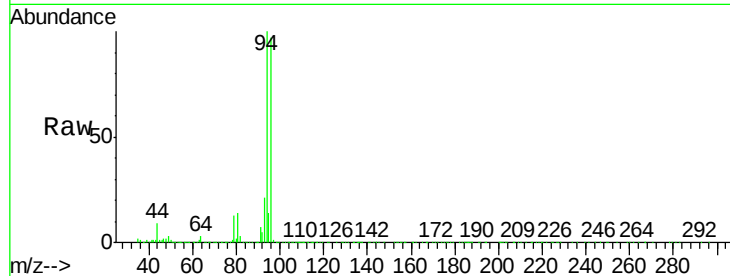
Ion Ratio Lower Upper

94 100

96 96.4 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 19.927 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007490.D

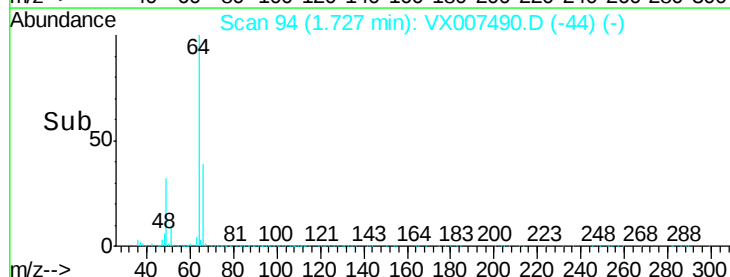
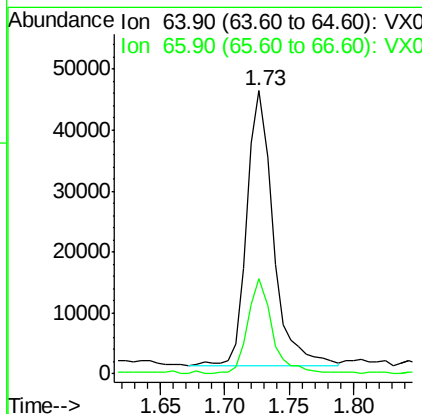
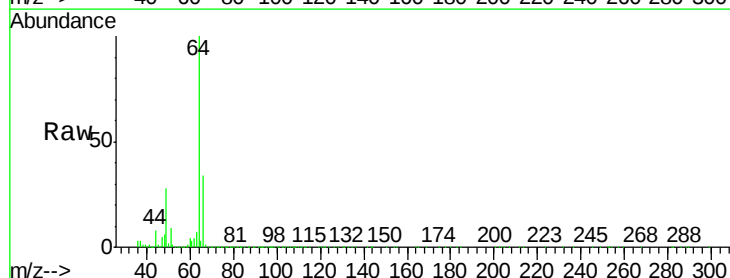
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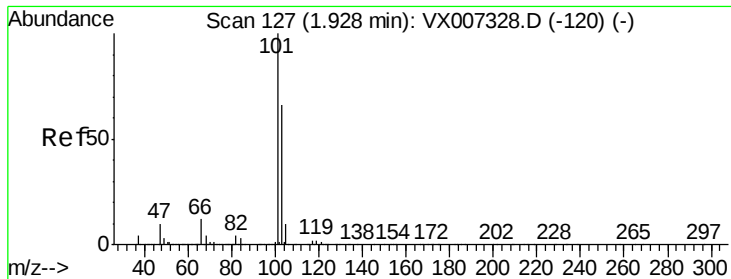
Tgt Ion: 64 Resp: 64147

Ion Ratio Lower Upper

64 100

66 34.1 25.5 38.3





#7

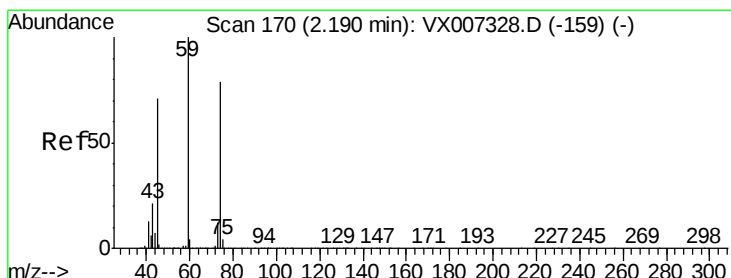
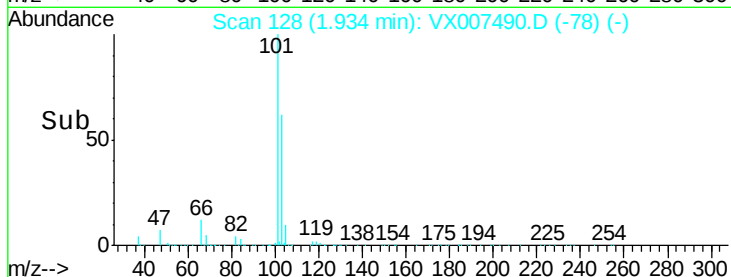
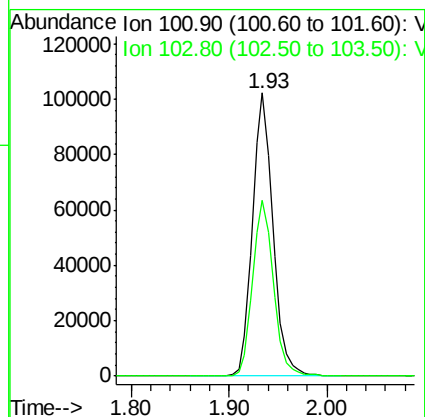
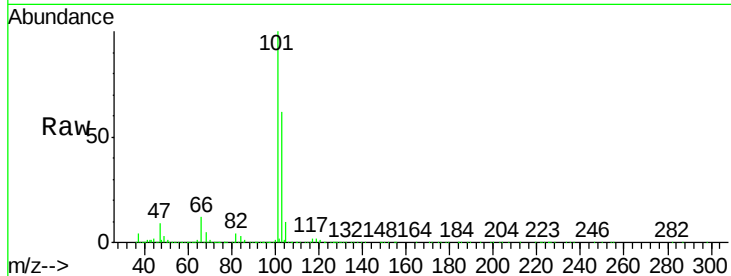
Trichlorofluoromethane
Concen: 19.115 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
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ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.6	79.0

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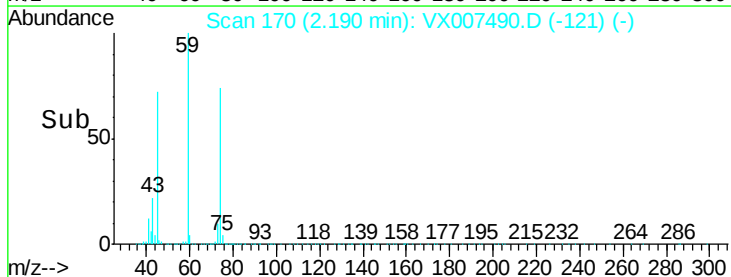
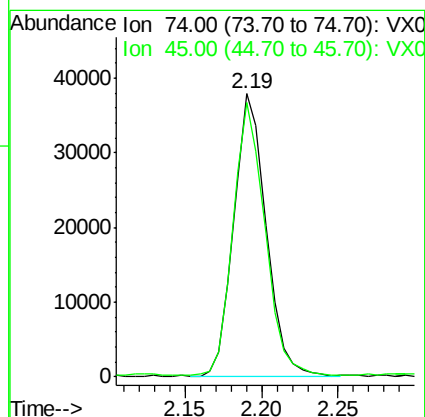
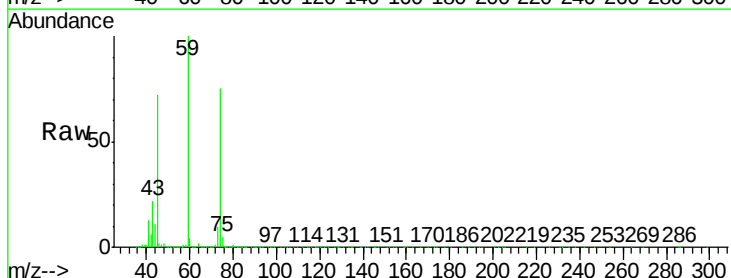
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2/13/2019 12:01:00 PM

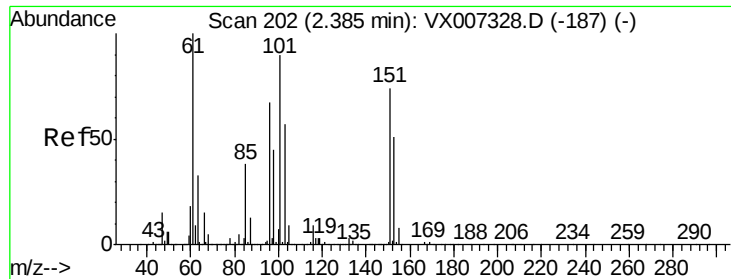


#8

Diethyl Ether
Concen: 19.087 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.198 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

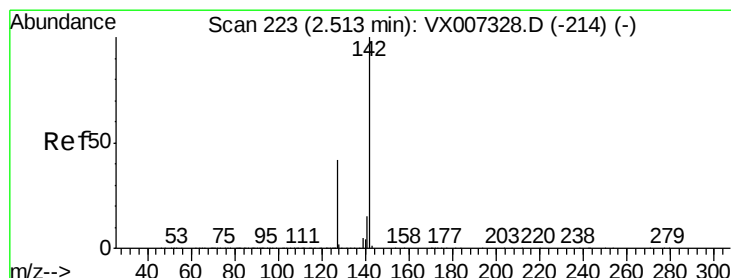
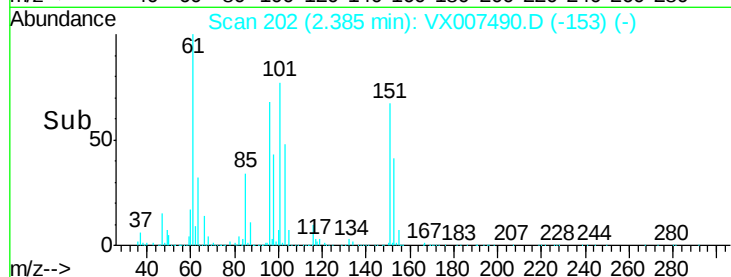
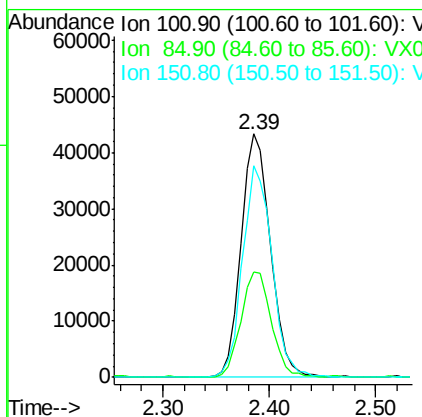
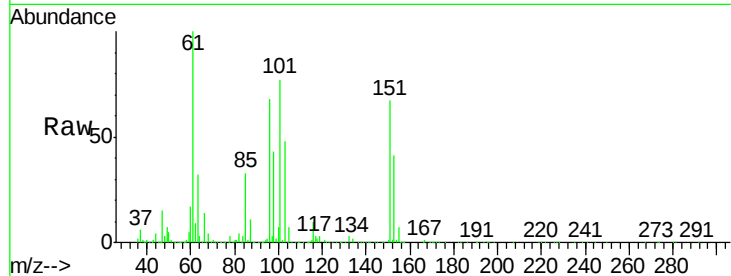
ClientSampleId :

VX0212WBSD01

Tot Ion:	101	Resp:	84265
Ion Ratio	Lower	Upper	
101	100		
85	44.9	34.1	51.1
151	87.1	69.9	104.9

Manual Integrations
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#10

Methyl Iodide

Concen: 14.637 ug/l

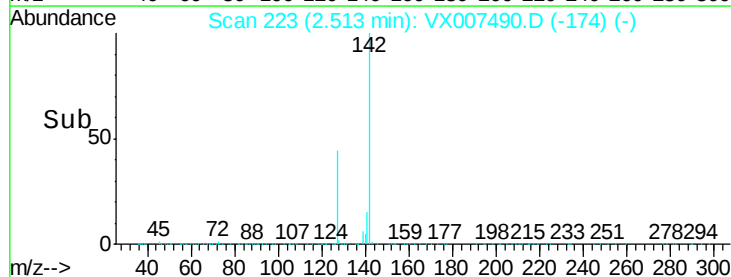
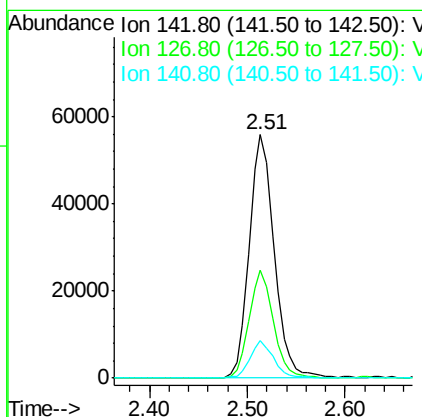
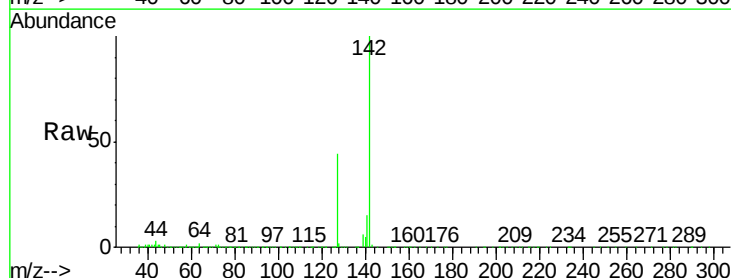
RT: 2.51 min Scan# 223

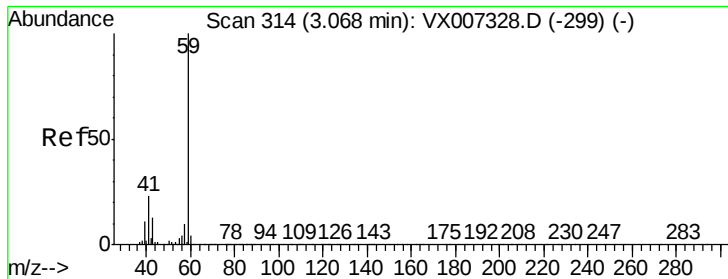
Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Tgt Ion:	142	Resp:	99705
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.7	50.5
141	14.5	11.3	16.9





#11

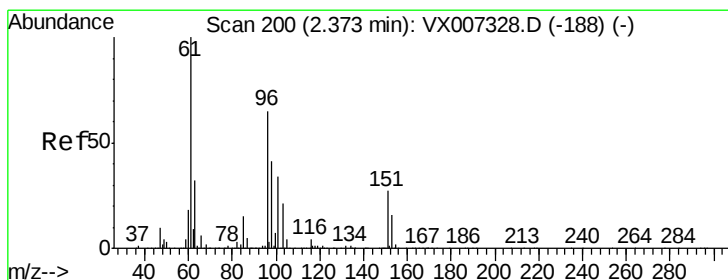
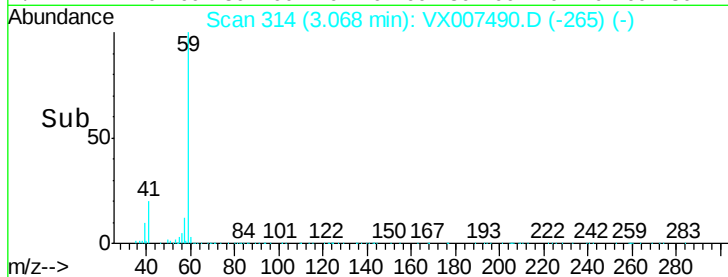
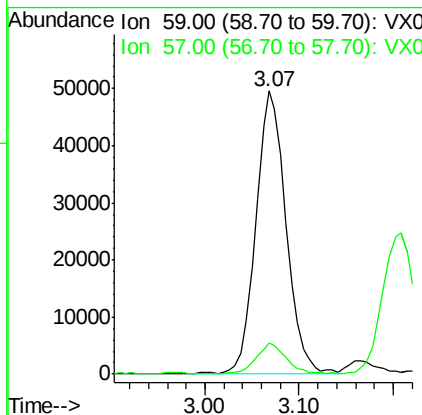
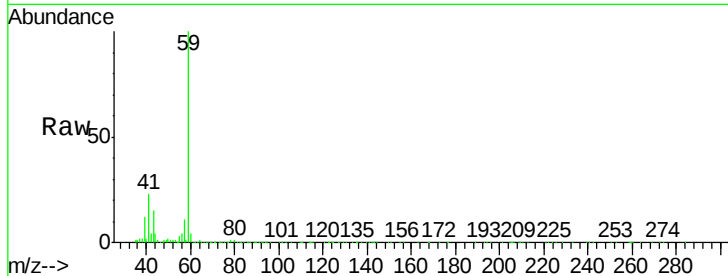
Tert butyl alcohol
Concen: 112.234 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1

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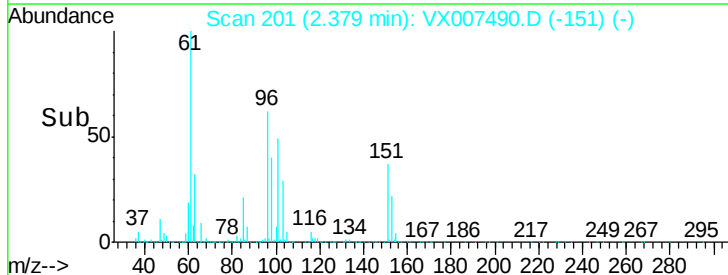
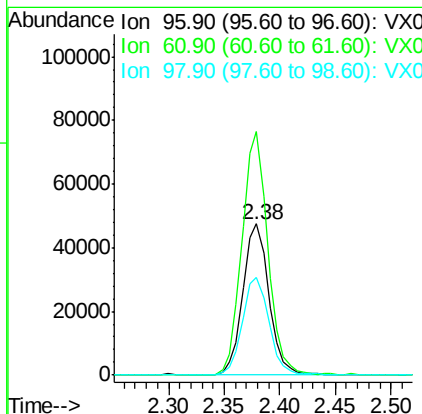
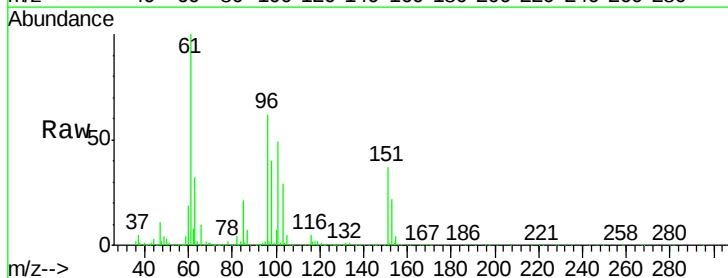
MMDadoda
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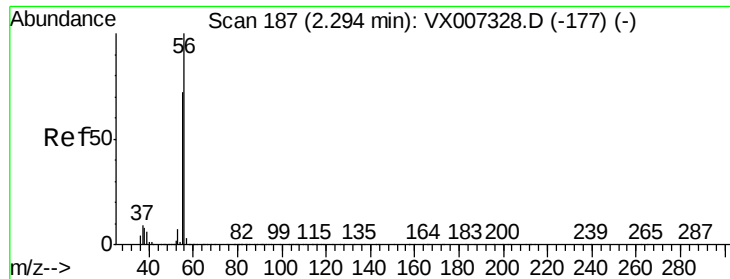


#12

1,1-Dichloroethene
Concen: 18.005 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.8	123.0	184.4
98	64.9	50.9	76.3





#13

Acrolein

Concen: 60.160 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion: 56 Resp: 27907

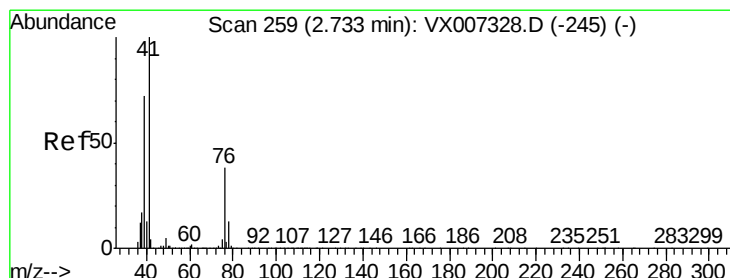
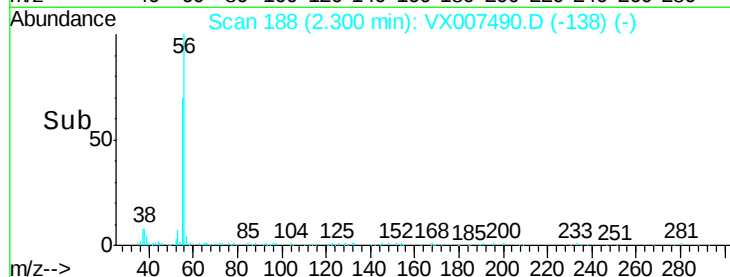
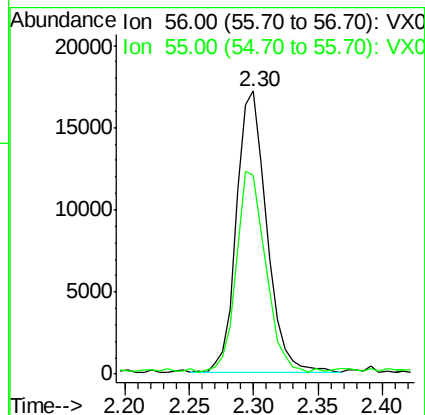
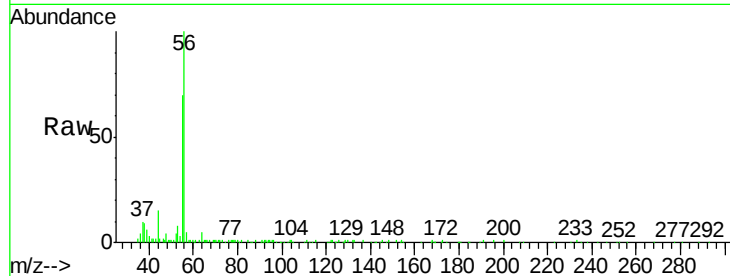
Ion Ratio Lower Upper

56 100

55 69.6 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 19.733 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

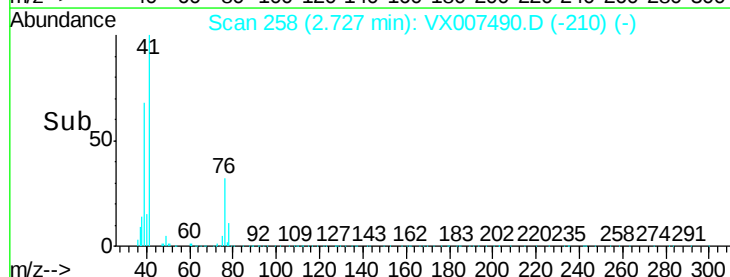
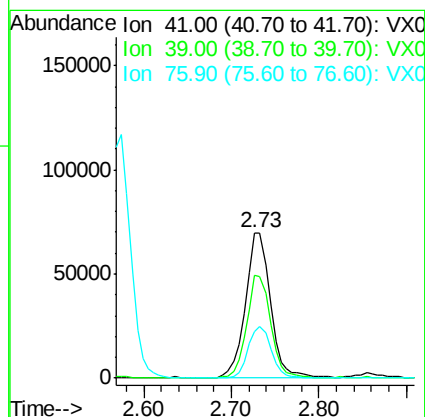
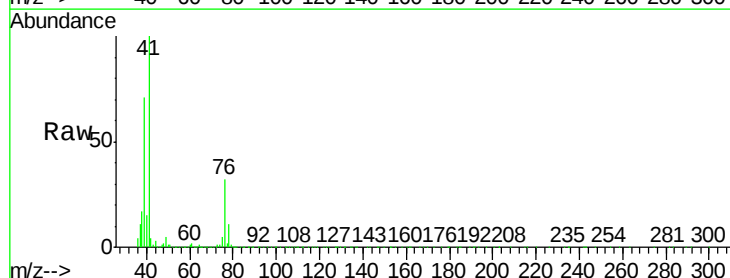
Tgt Ion: 41 Resp: 138255

Ion Ratio Lower Upper

41 100

39 66.5 54.1 81.1

76 32.5 27.8 41.8





#15

Acrylonitrile

Concen: 102.118 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

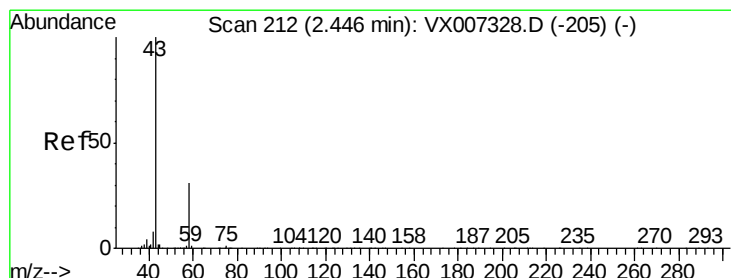
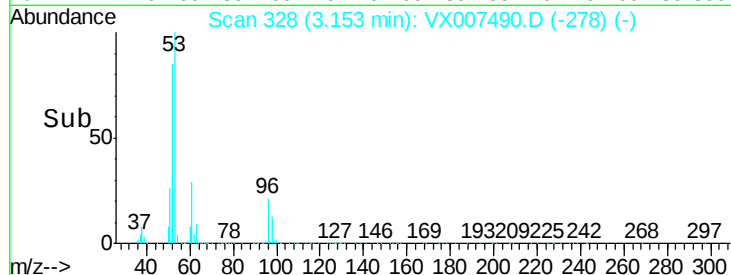
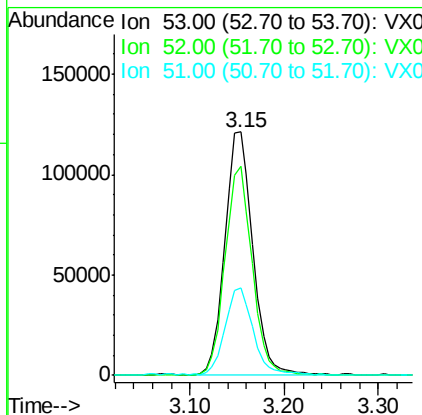
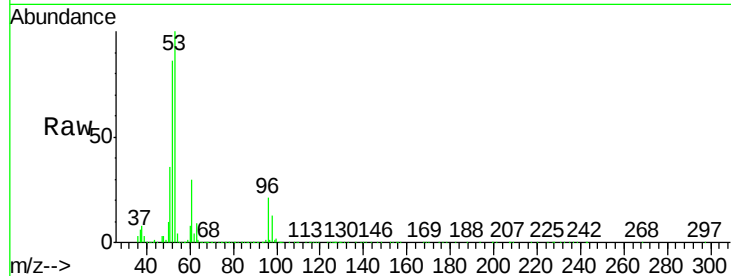
ClientSampleId :

VX0212WBSD01

Tot Ion	53	Resp	249898
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.4	99.6
51	35.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 102.716 ug/l

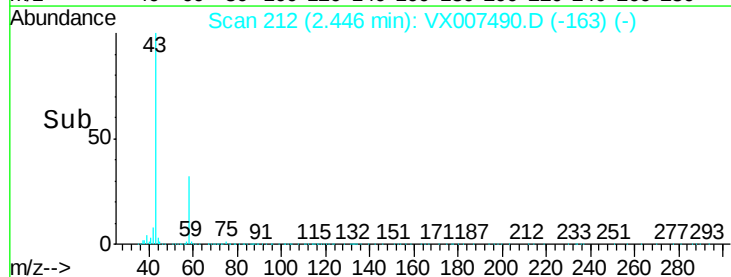
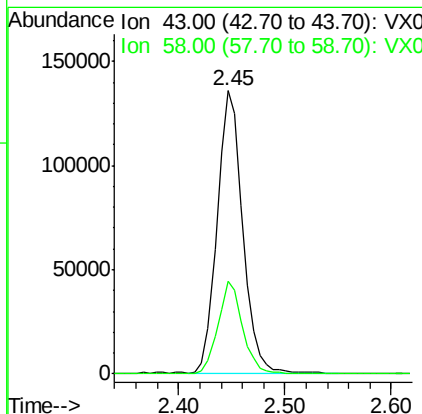
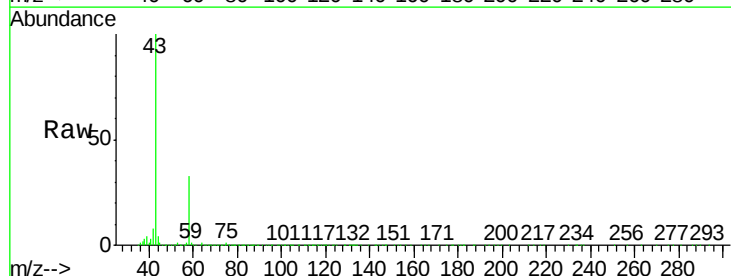
RT: 2.45 min Scan# 212

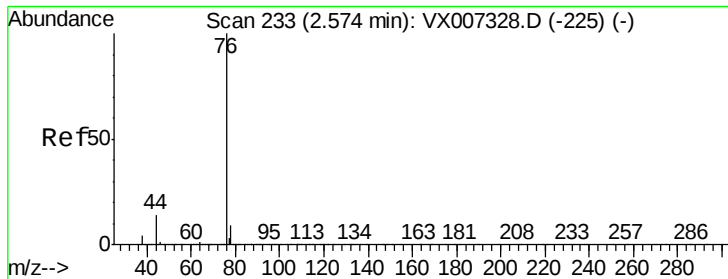
Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Tgt Ion	43	Resp	224907
Ion Ratio	Lower	Upper	
43	100		
58	32.6	24.9	37.3





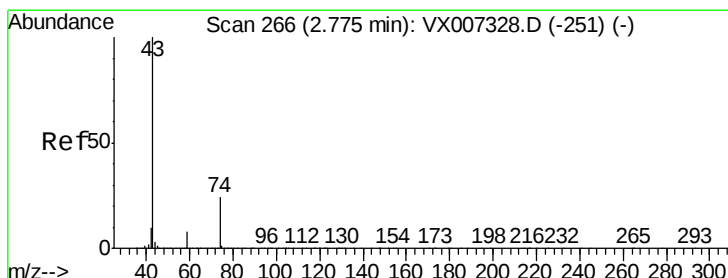
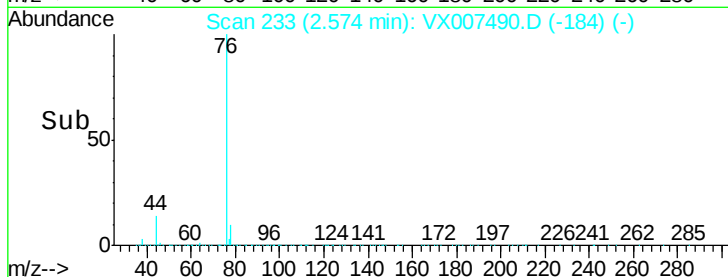
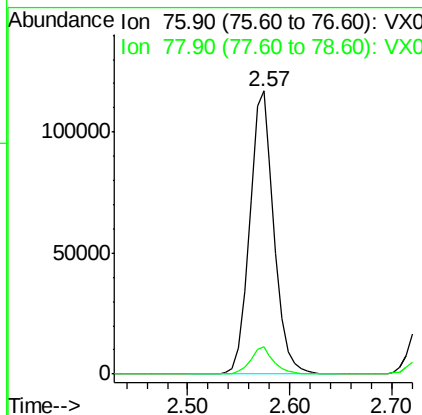
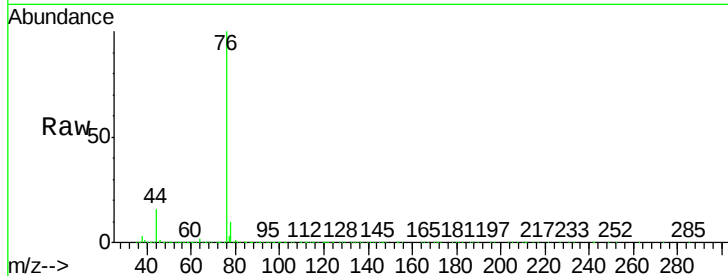
#17
Carbon Disulfide
Concen: 18.610 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

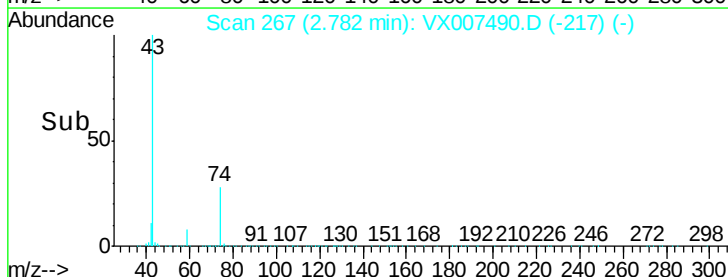
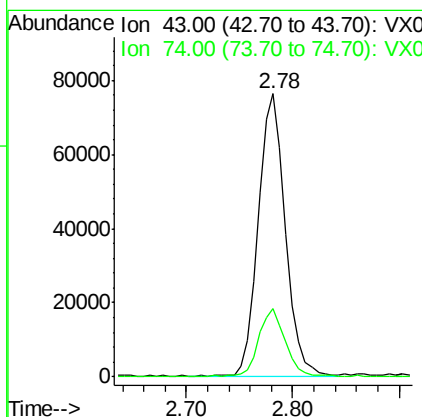
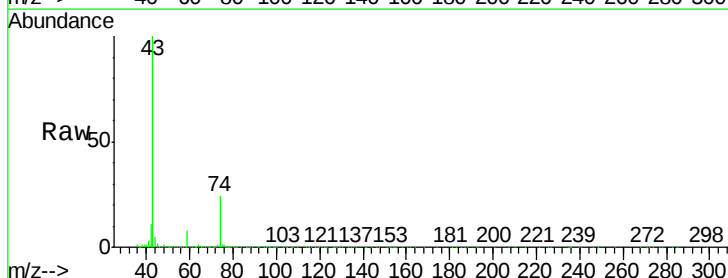
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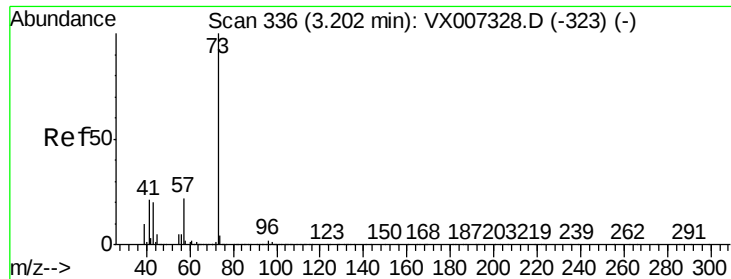
MMDadoda
2/13/2019 12:01:00 PM



#18
Methyl Acetate
Concen: 24.054 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.4	29.2





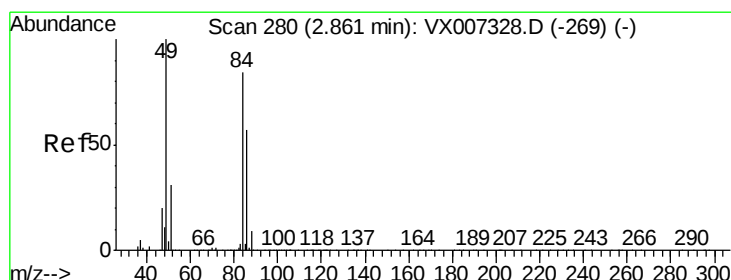
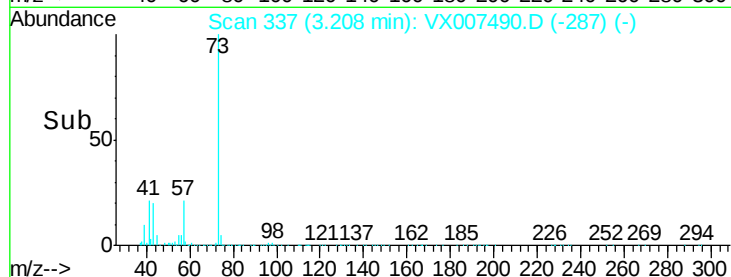
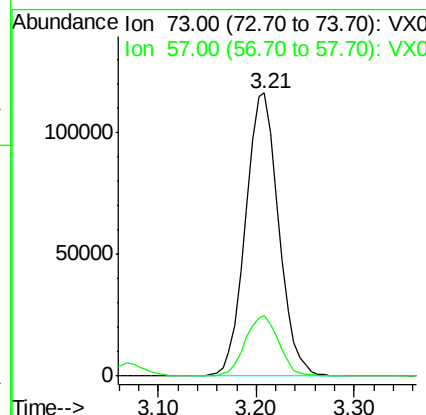
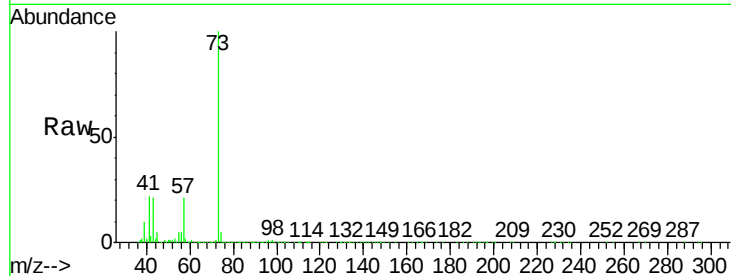
#19
Methvl tert-butvl Ether
Concen: 19.621 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.8	26.8

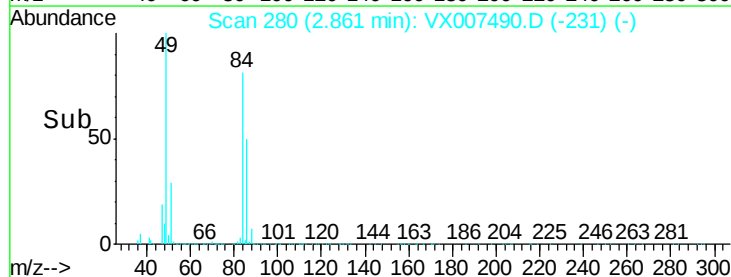
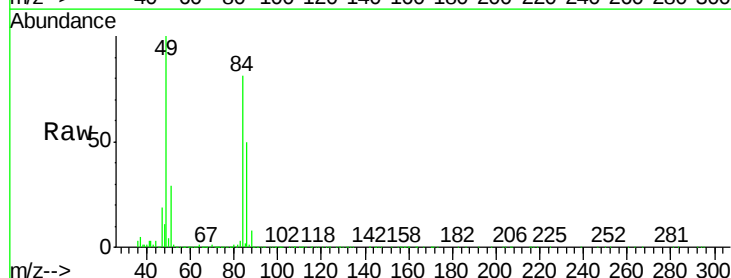
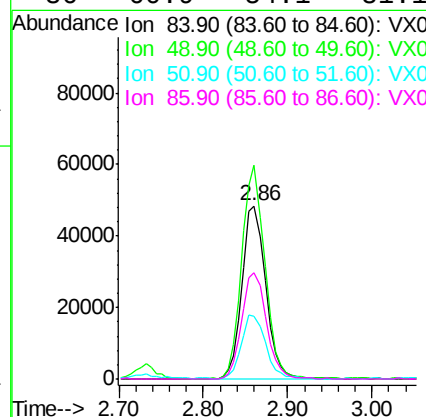
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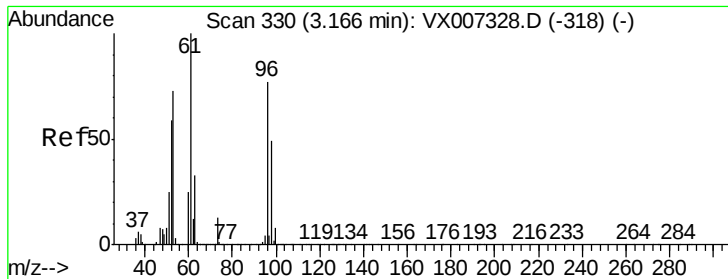
MMDadoda
2/13/2019 12:01:00 PM



#20
Methylene Chloride
Concen: 20.322 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.1	94.8	142.2
51	35.6	29.8	44.8
86	60.9	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 17.965 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

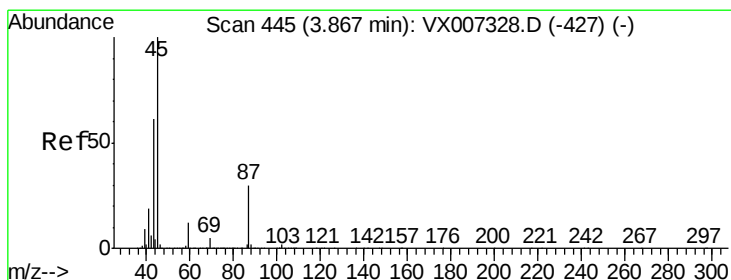
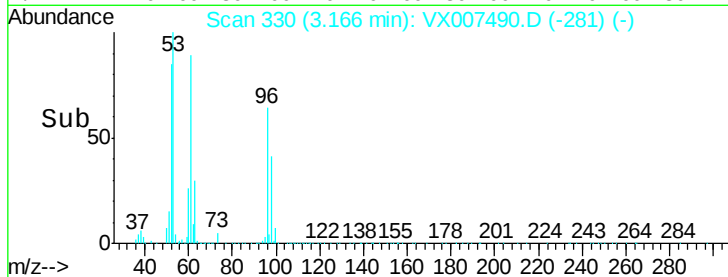
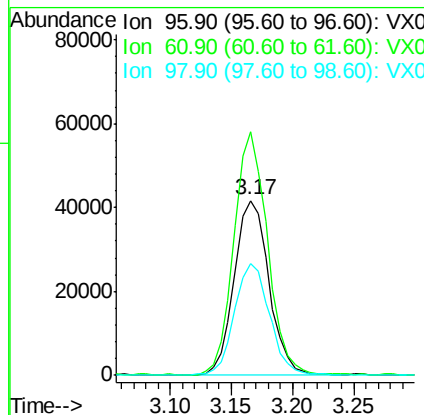
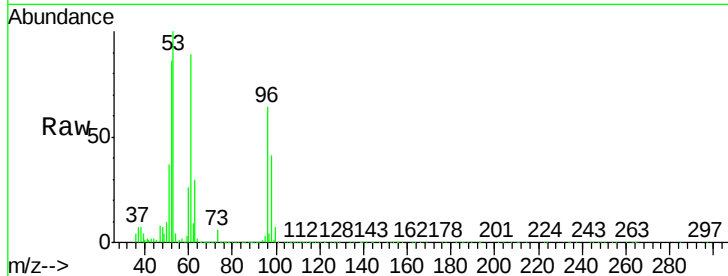
ClientSampleId :

VX0212WBSD01

Tot Ion:	96	Resp:	82290
Ion	Ratio	Lower	Upper
96	100		
61	139.0	104.6	156.8
98	63.8	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.848 ug/l

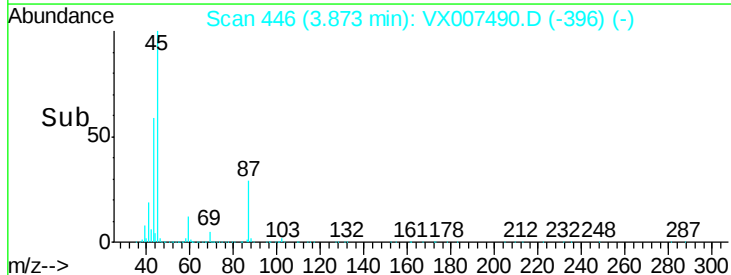
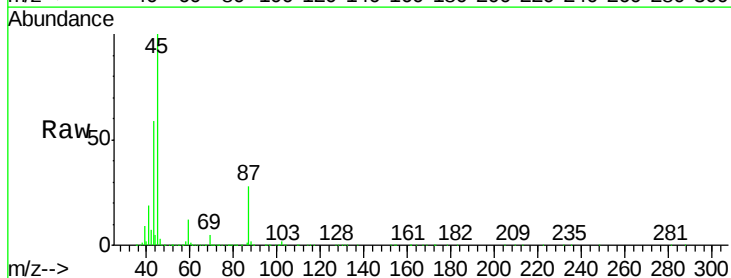
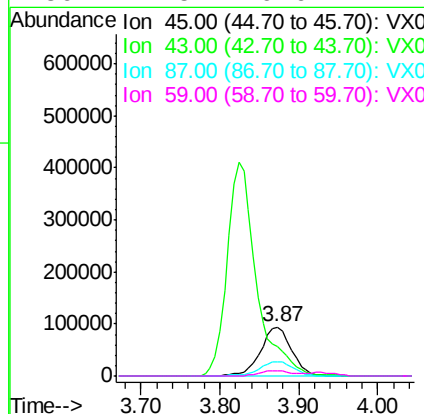
RT: 3.87 min Scan# 446

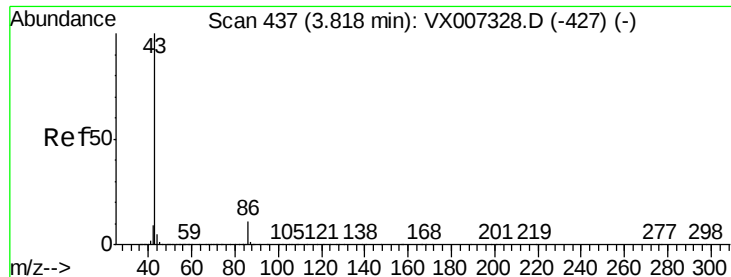
Delta R.T. 0.01 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Tgt Ion:	45	Resp:	255792
Ion	Ratio	Lower	Upper
45	100		
43	59.1	48.9	73.3
87	28.3	23.9	35.9
59	11.5	9.6	14.4





#23

Vinyl Acetate

Concen: 99.707 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleID :

VX0212WBSD01

Tot Ion: 43 Resp: 1066280

Ion Ratio Lower Upper

43 100

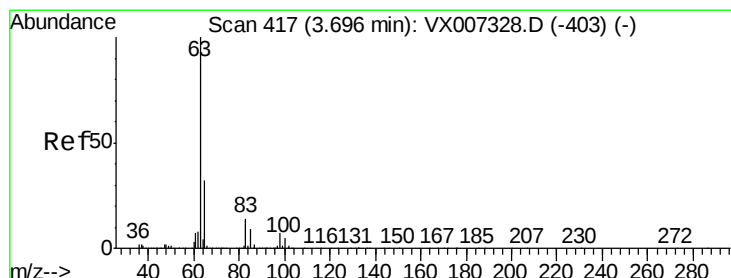
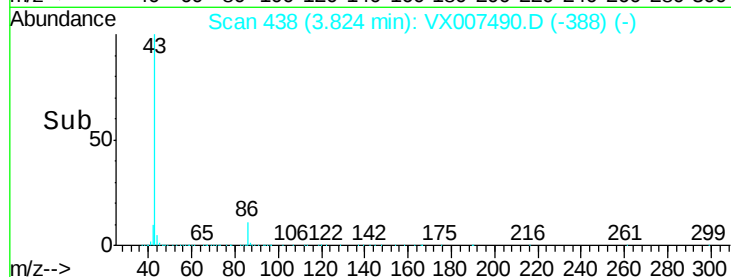
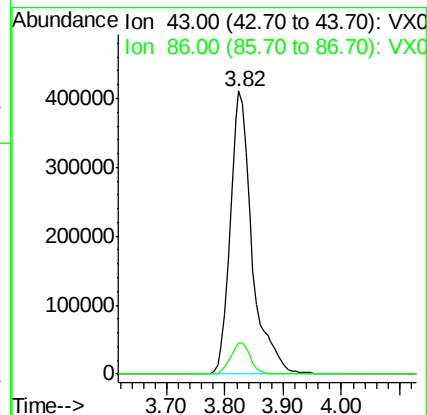
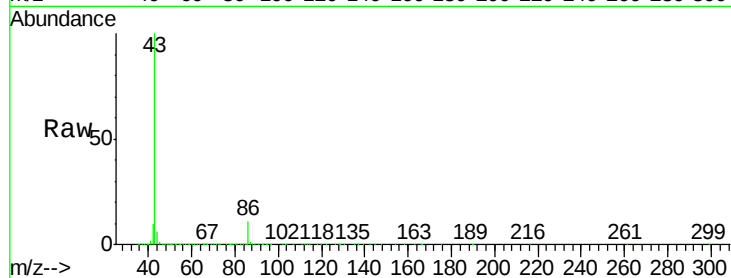
86 10.9 8.7 13.1

Manual Integrations

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2/13/2019 12:01:00 PM



#24

1,1-Dichloroethane

Concen: 19.624 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

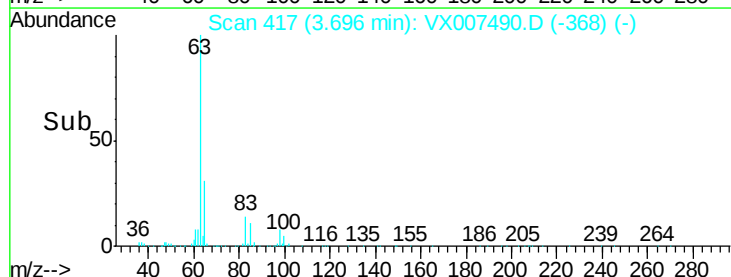
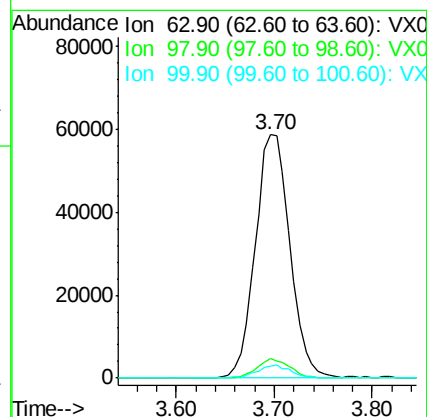
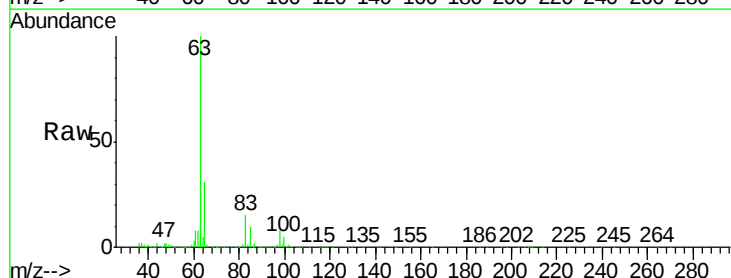
Tgt Ion: 63 Resp: 145235

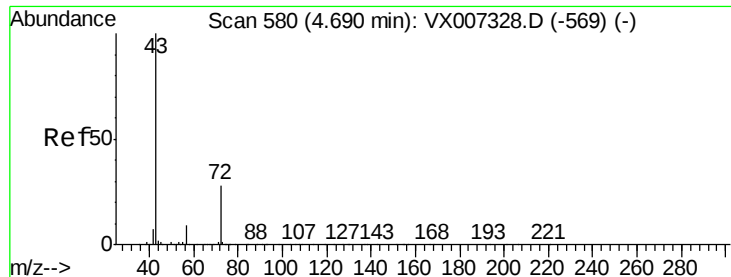
Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.8

100 4.9 2.5 7.4





#25

2-Butanone

Concen: 105.957 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion: 43 Resp: 330170

Ion Ratio Lower Upper

43 100

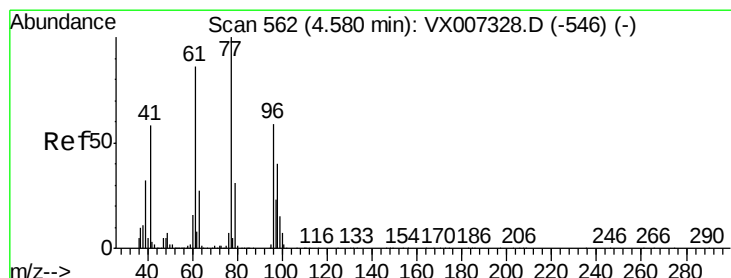
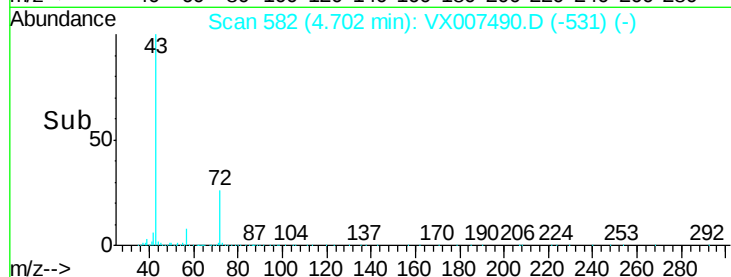
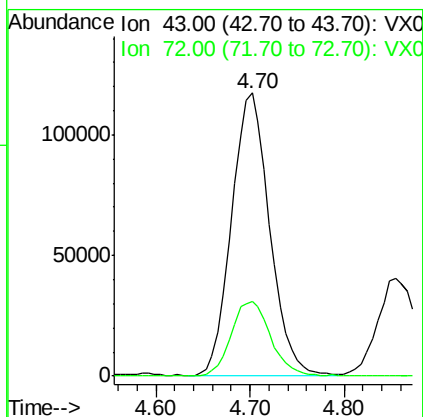
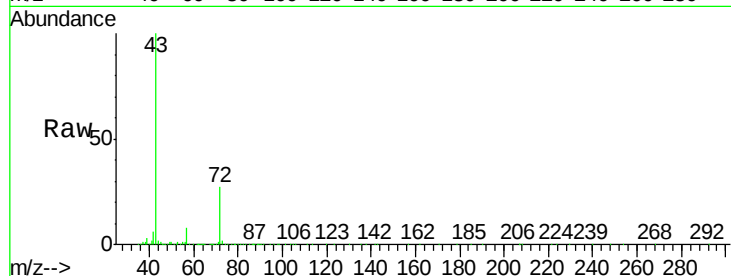
72 26.4 22.2 33.2

Manual Integrations

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MMDadoda

2/13/2019 12:01:00 PM



#26

2,2-Dichloropropane

Concen: 17.654 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007490.D

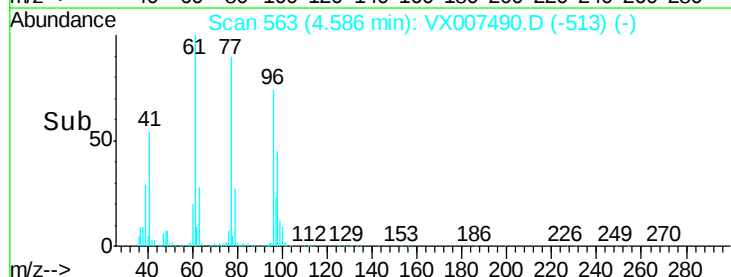
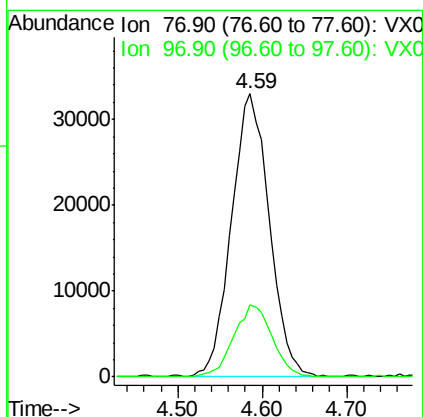
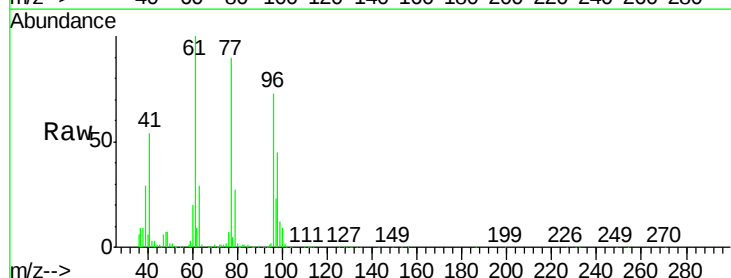
Acq: 12 Feb 2019 15:56

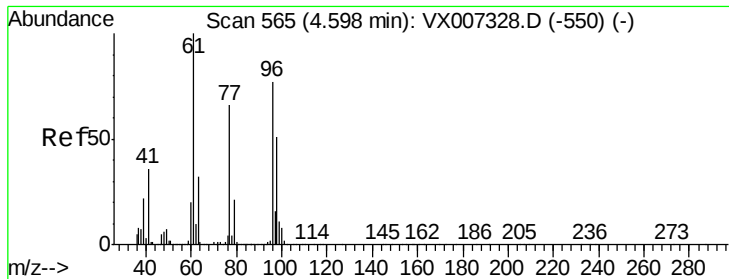
Tgt Ion: 77 Resp: 99503

Ion Ratio Lower Upper

77 100

97 26.1 12.1 36.3





#27

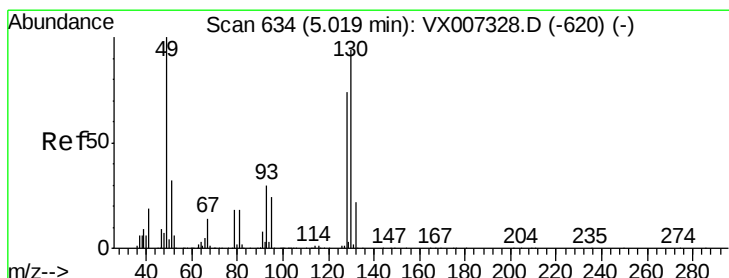
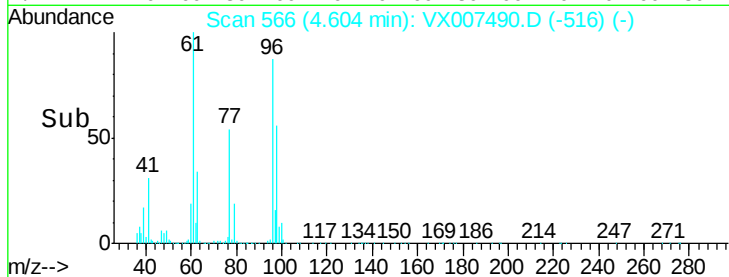
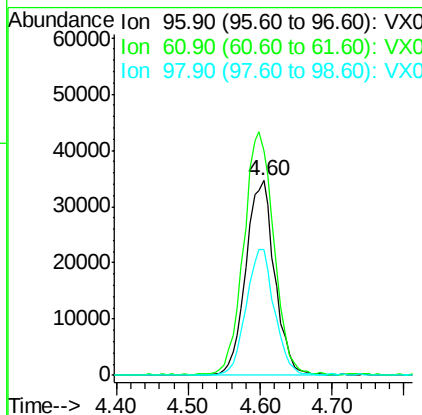
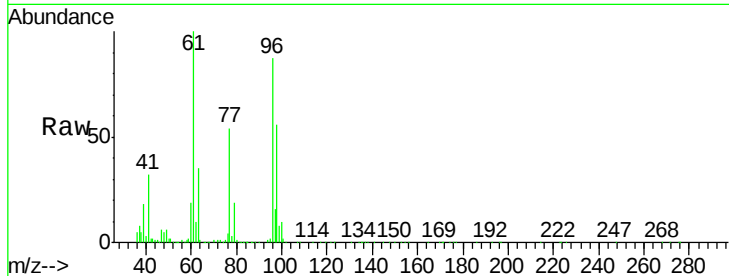
cis-1,2-Dichloroethene
Concen: 19.334 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	96726		
61	130.4	0.0	265.6	
98	63.3	0.0	131.6	

Manual Integrations
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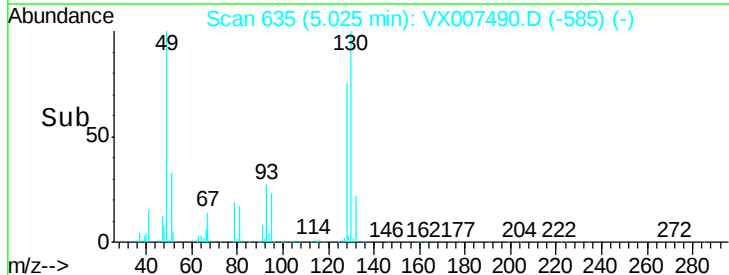
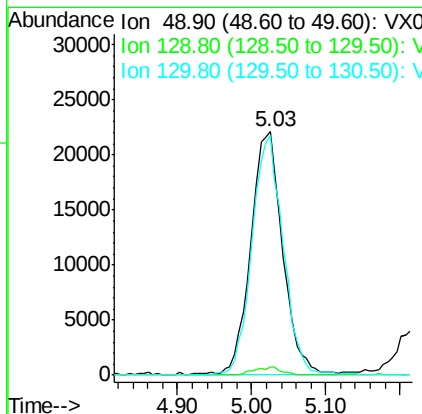
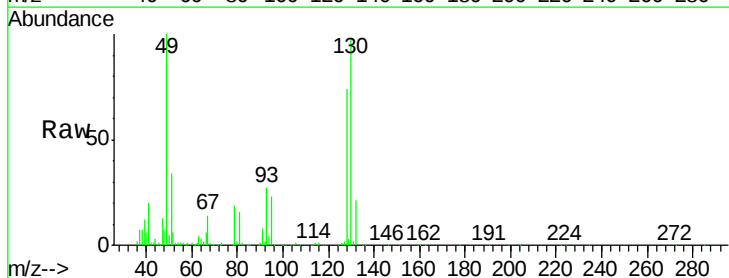
MMDadoda
2/13/2019 12:01:00 PM



#28

Bromochloromethane
Concen: 19.470 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	66265		
129	2.8	0.0	5.6	
130	96.5	75.6	113.4	





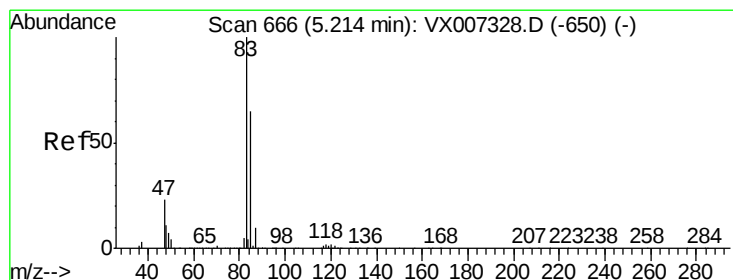
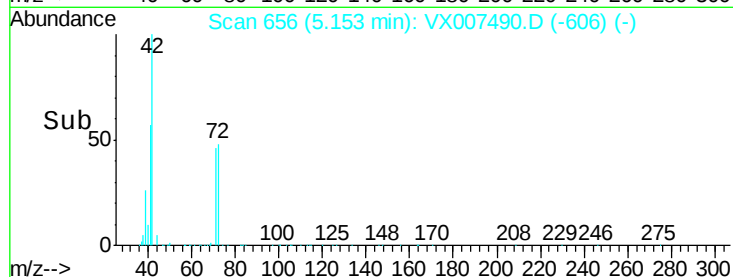
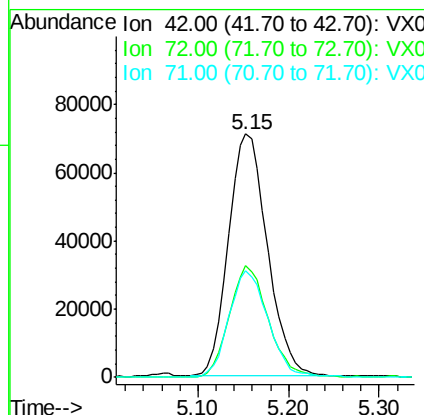
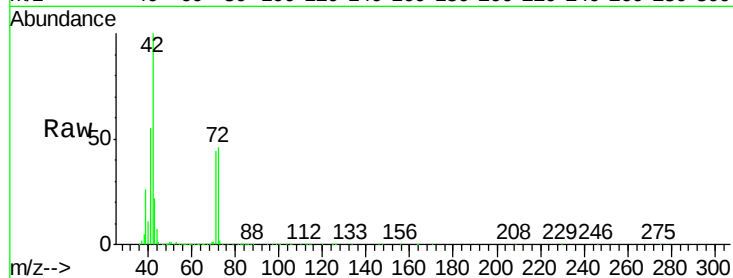
#29
Tetrahydrofuran
Concen: 107.910 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.6	56.4
71	44.2	34.6	51.8

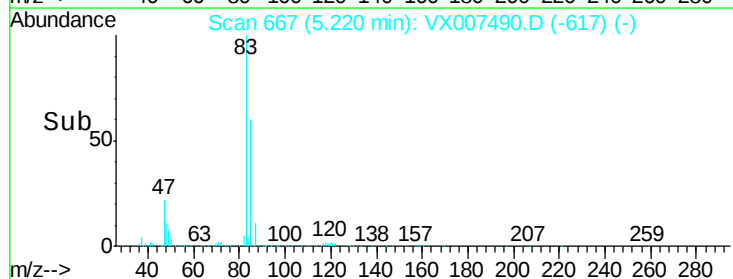
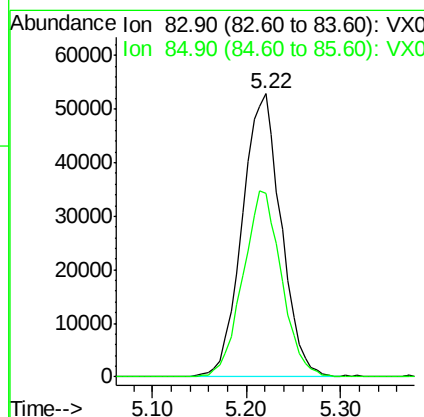
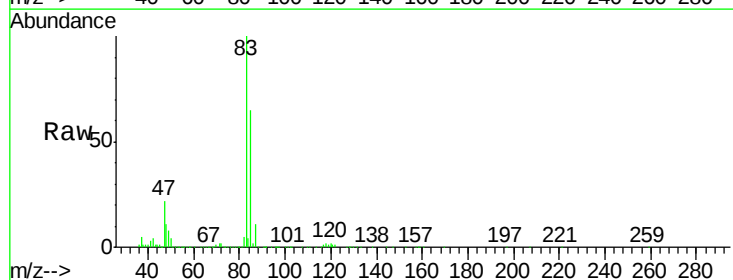
Manual Integrations
APPROVED

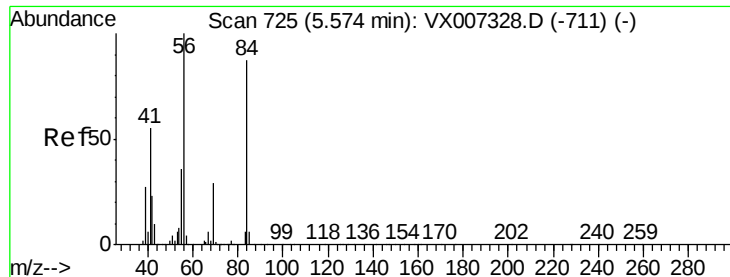
MMDadoda
2/13/2019 12:01:00 PM



#30
Chloroform
Concen: 19.829 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.6	77.4





#31

Cyclohexane

Concen: 17.871 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

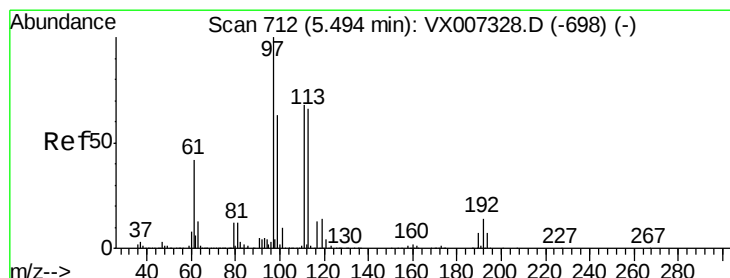
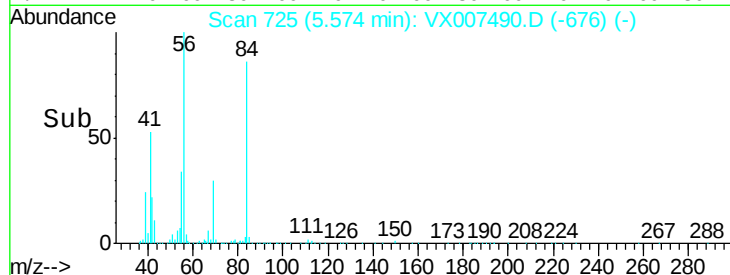
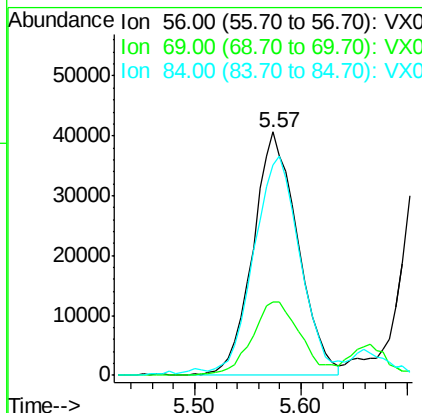
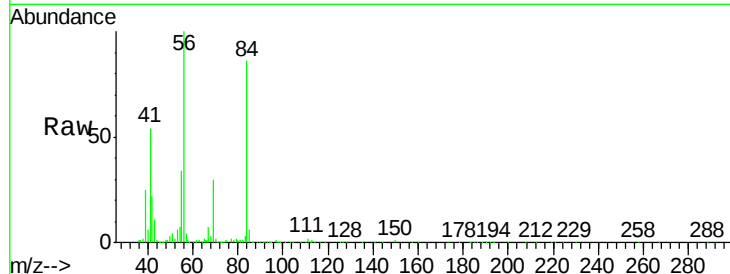
ClientSampleId :

VX0212WBSD01

Tot Ion:	56	Resp:	118789
Ion Ratio	Lower	Upper	
56	100		
69	30.3	23.0	34.6
84	85.2	69.8	104.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.900 ug/l

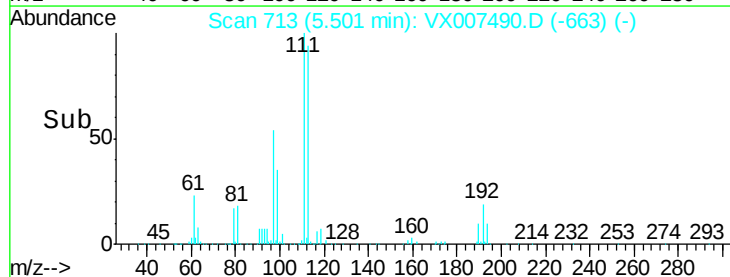
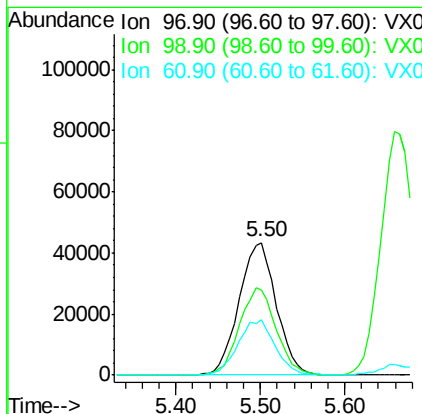
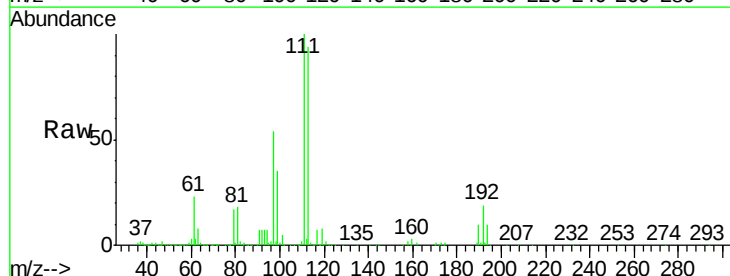
RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Tgt Ion:	97	Resp:	129724
Ion Ratio	Lower	Upper	
97	100		
99	64.9	52.2	78.2
61	41.4	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 50.342 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion: 65 Resp: 240638

Ion Ratio Lower Upper

65 100

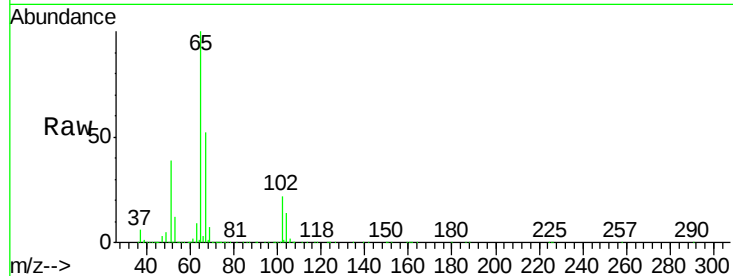
67 53.8 0.0 108.8

Manual Integrations

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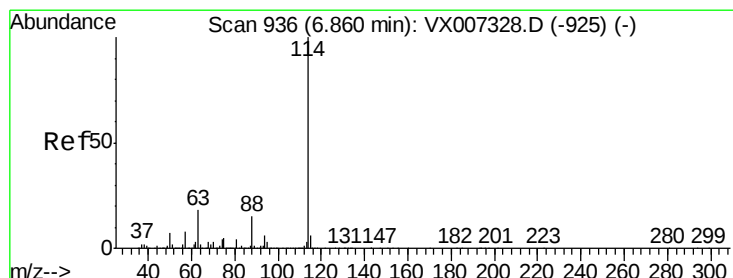
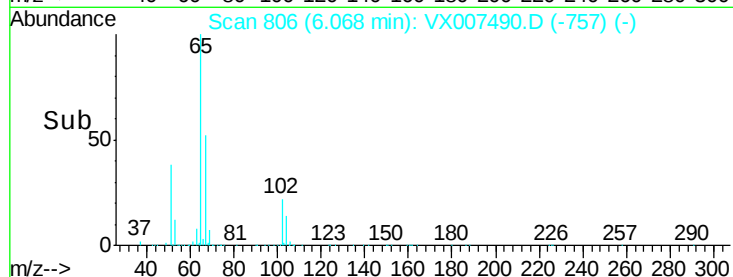
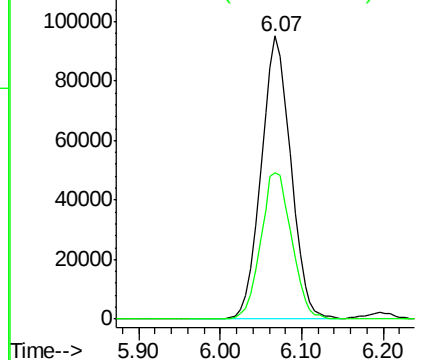
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

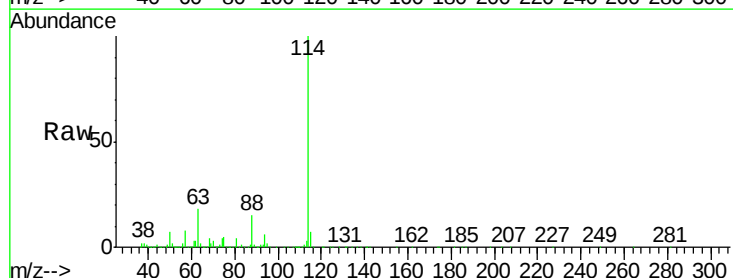
Tgt Ion: 114 Resp: 681440

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

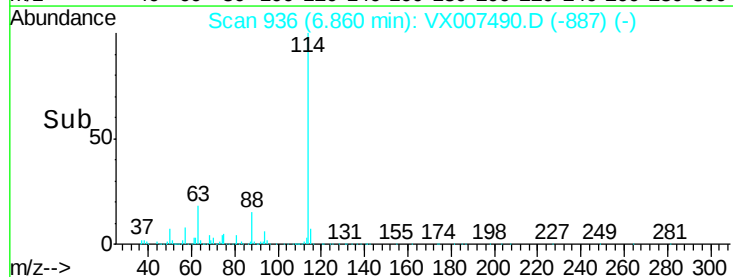
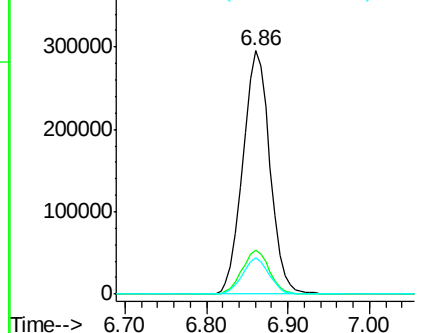
88 15.1 0.0 29.6

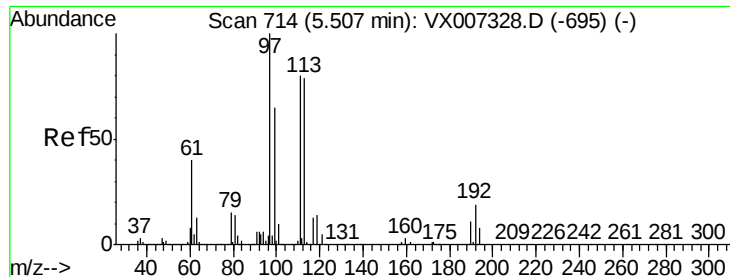


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.726 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

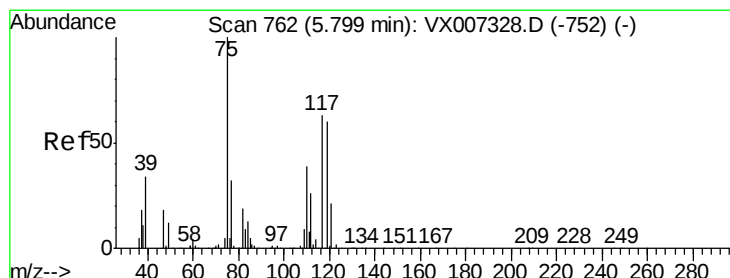
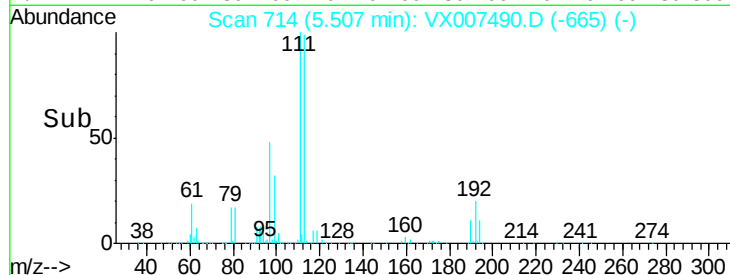
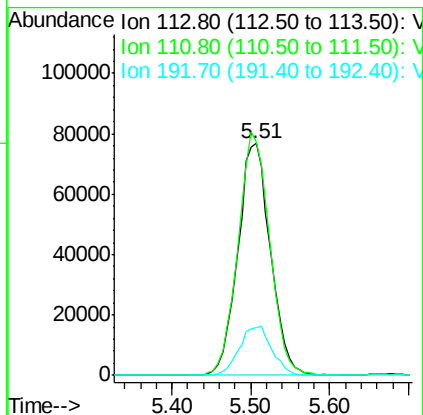
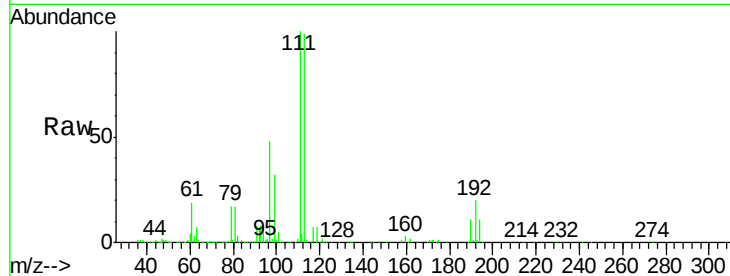
ClientSampleId :

VX0212WBSD01

Tot Ion:	113	Resp:	220480
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.8	122.8
192	21.4	18.5	27.7

Manual Integrations
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2/13/2019 12:01:00 PM



#36

1,1-Dichloropropene

Concen: 17.256 ug/l

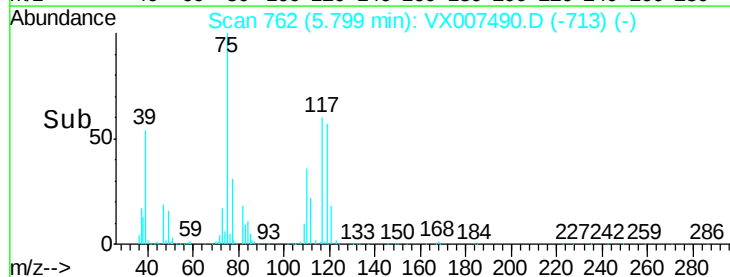
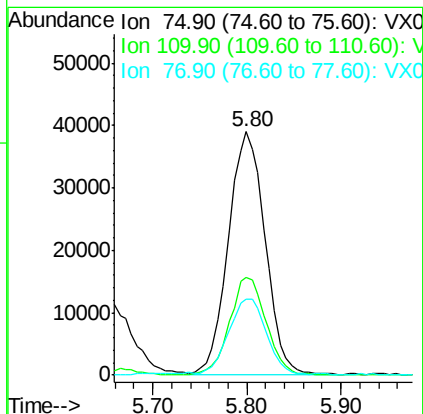
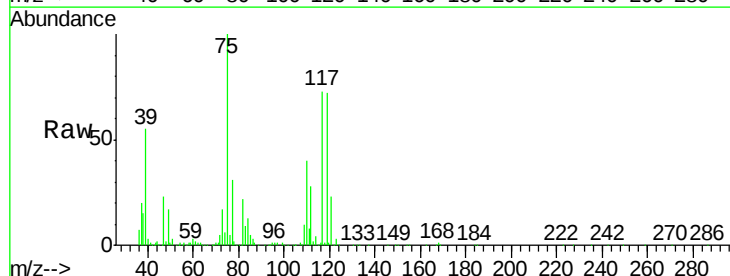
RT: 5.80 min Scan# 762

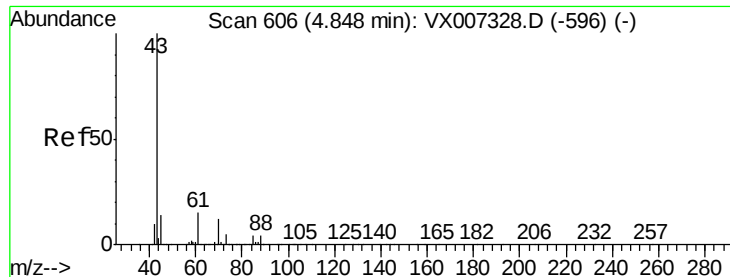
Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Tgt Ion:	75	Resp:	105508
Ion Ratio	Lower	Upper	
75	100		
110	40.3	20.0	59.9
77	32.6	24.7	37.1





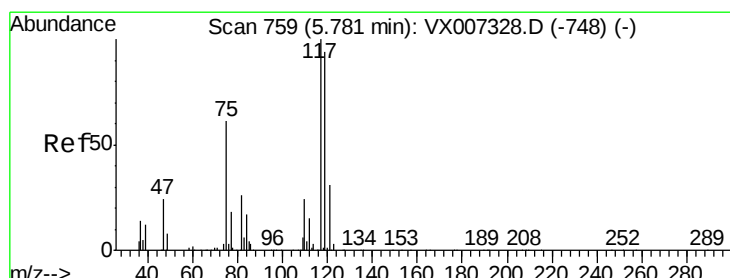
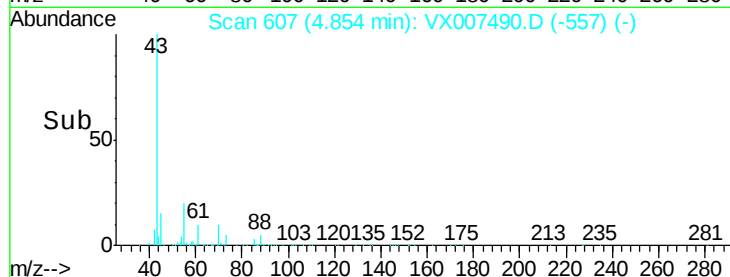
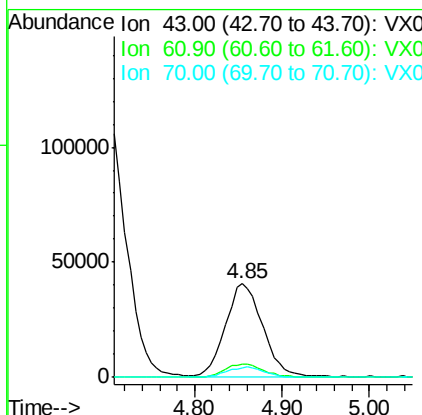
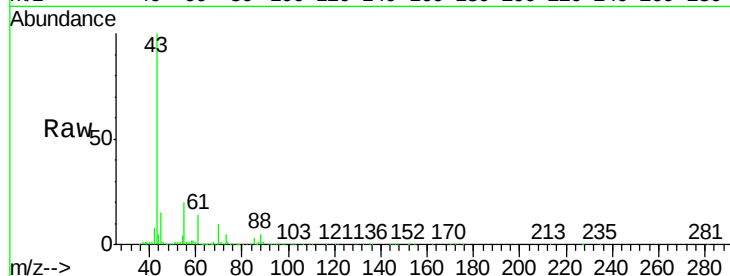
#37
Ethyl Acetate
Concen: 19.498 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	43	Resp	120510
Ion Ratio	Lower	Upper	
43	100		
61	14.1	11.3	16.9
70	11.8	8.6	13.0

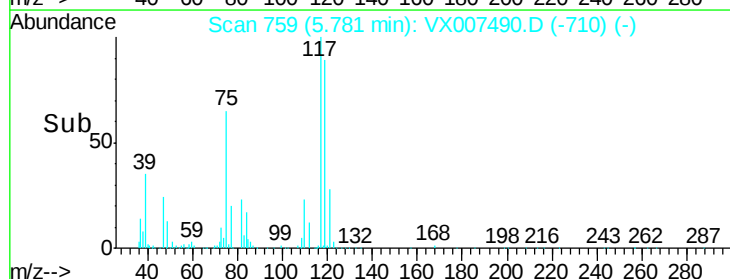
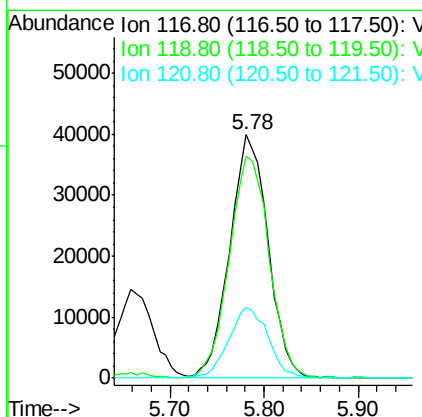
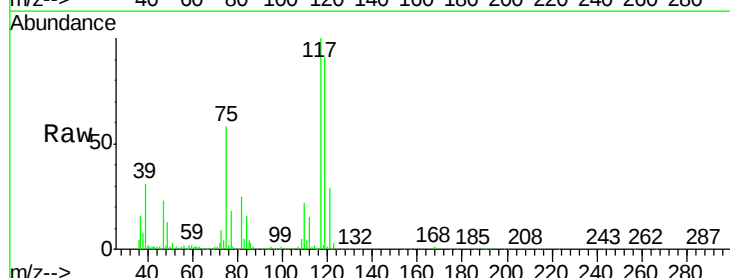
Manual Integrations
APPROVED

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2/13/2019 12:01:00 PM



#38
Carbon Tetrachloride
Concen: 19.042 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	117	Resp	112951
Ion Ratio	Lower	Upper	
117	100		
119	90.8	75.3	112.9
121	29.0	25.0	37.4





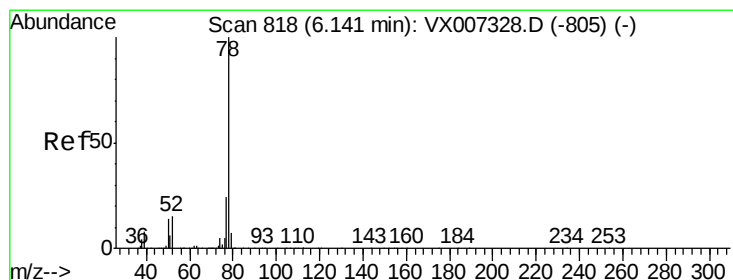
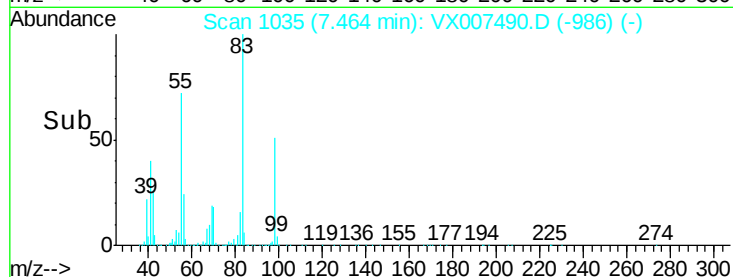
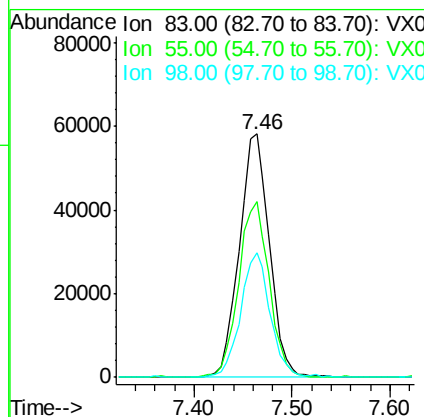
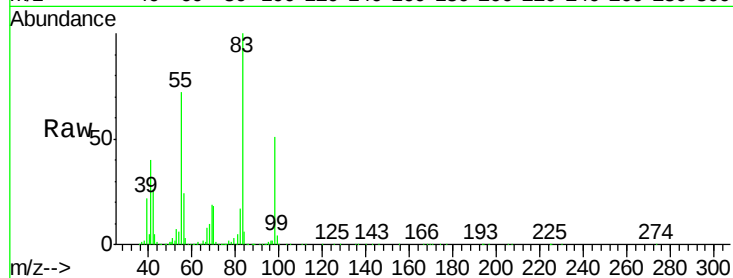
#39
Methvlcvclohexane
Concen: 16.782 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	56.2	84.2
98	51.2	36.8	55.2

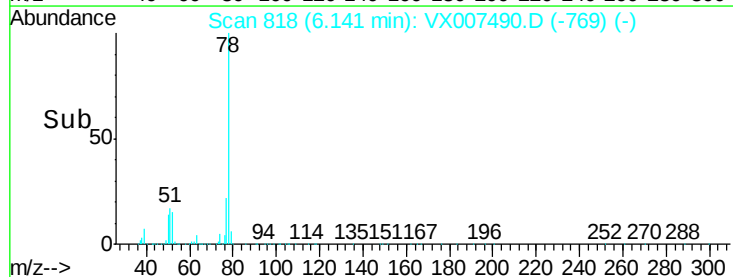
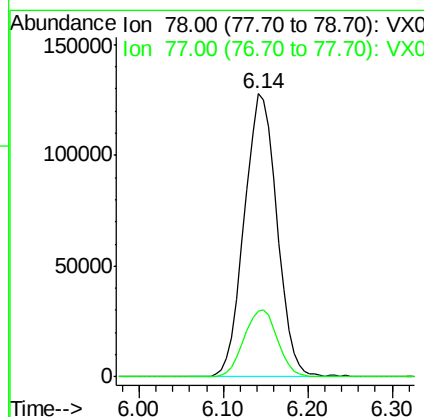
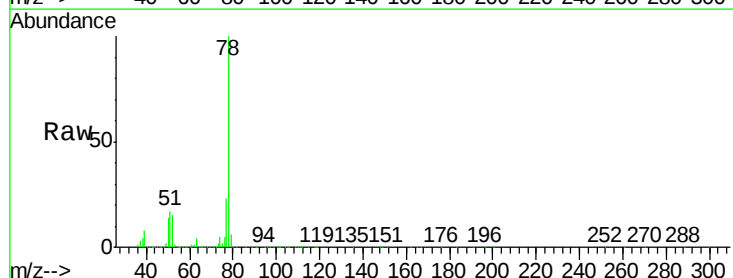
Manual Integrations
APPROVED

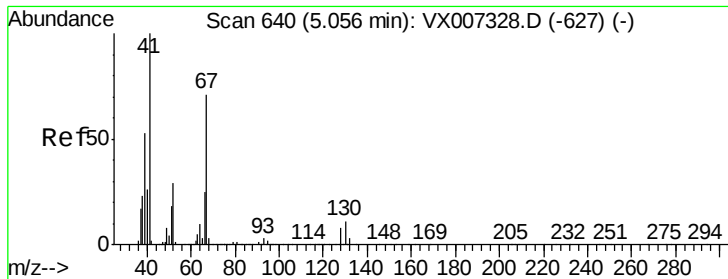
MMDadoda
2/13/2019 12:01:00 PM



#40
Benzene
Concen: 18.744 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9





#41

Methacrylonitrile

Concen: 19.416 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

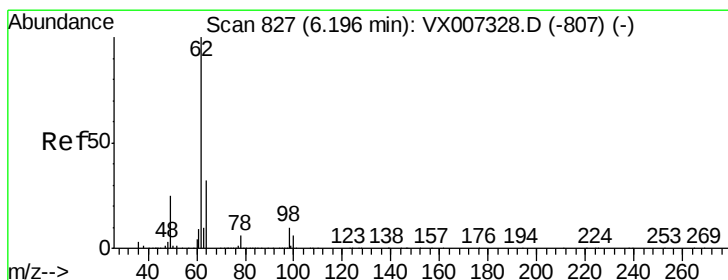
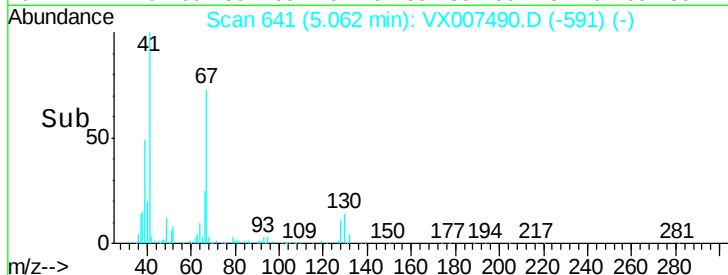
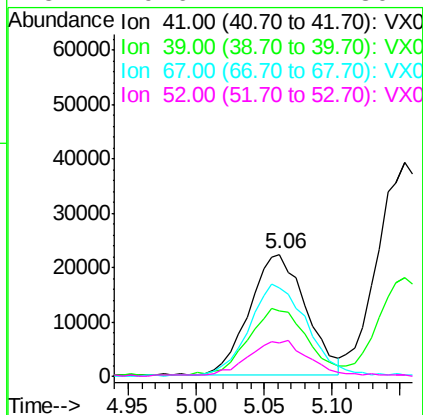
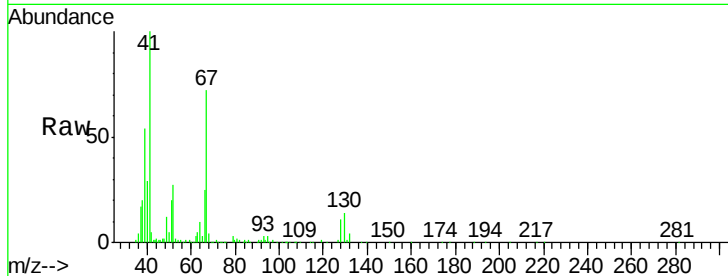
ClientSampleId :

VX0212WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
64317	41	100		
	39	57.3	44.5	66.7
	67	78.7	60.4	90.6
	52	29.6	24.1	36.1

Manual Integrations
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2/13/2019 12:01:00 PM



#42

1,2-Dichloroethane

Concen: 18.574 ug/l

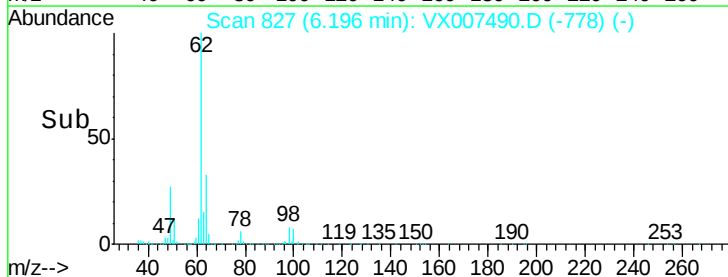
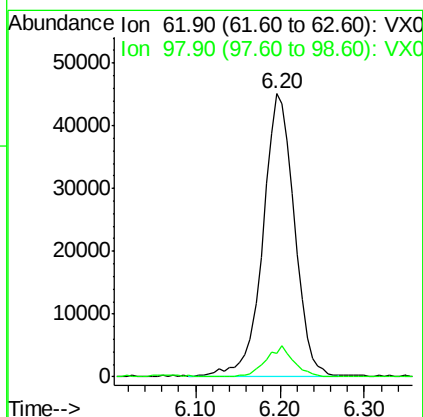
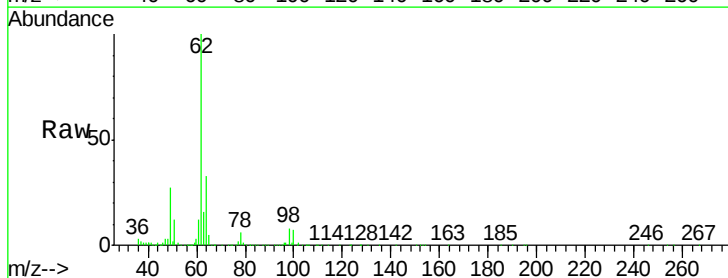
RT: 6.20 min Scan# 827

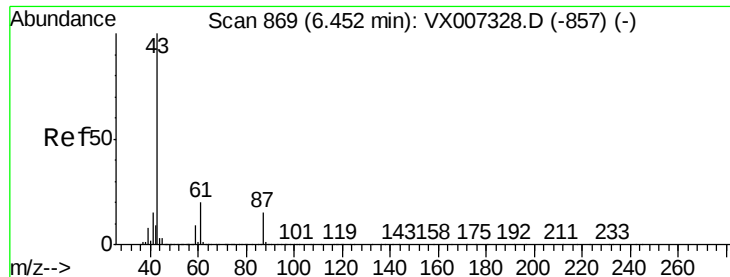
Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Tgt Ion	Ion	Ratio	Lower	Upper
115741	62	100		
	98	9.9	0.0	19.0





#43

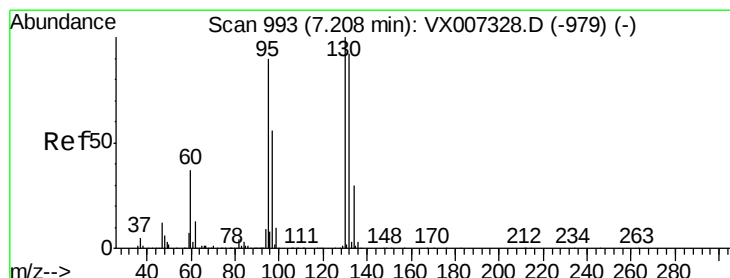
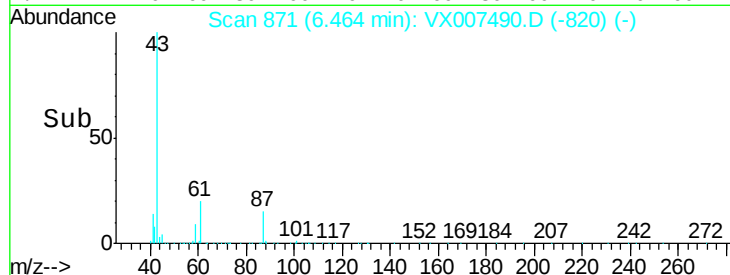
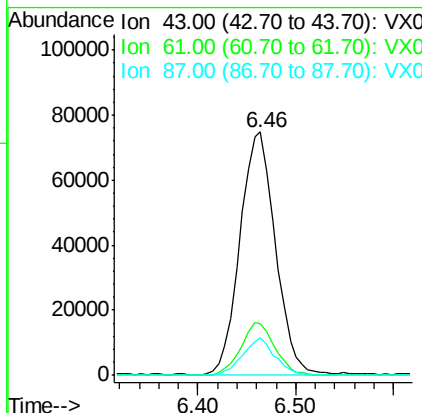
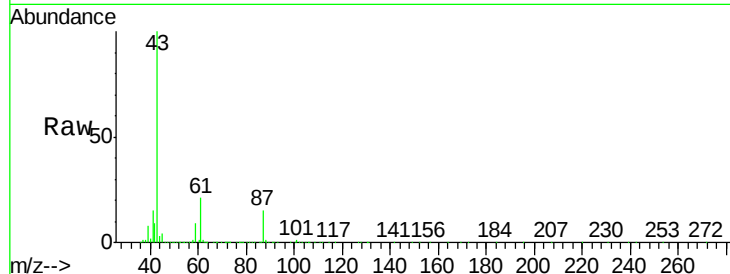
Isopropyl Acetate
 Concen: 19.684 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX007490.D
 Acq: 12 Feb 2019 15:56

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.1	24.1
87	14.3	11.5	17.3

Manual Integrations
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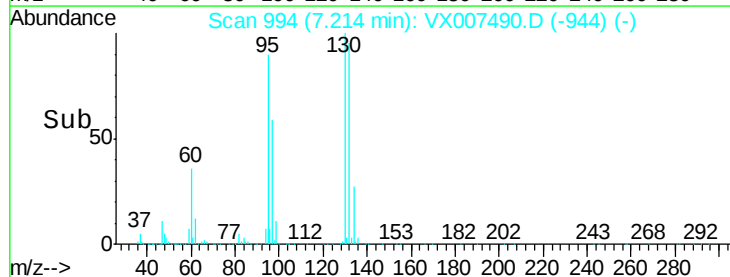
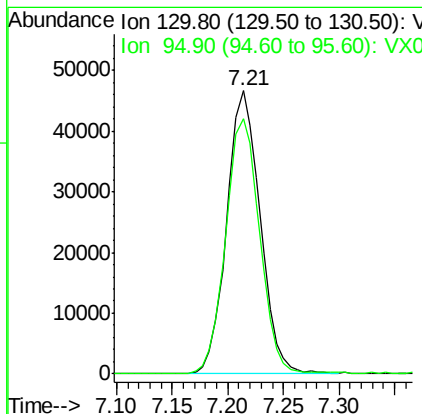
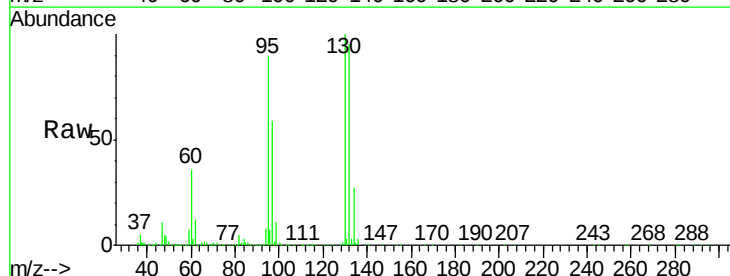
MMDadoda
 2/13/2019 12:01:00 PM

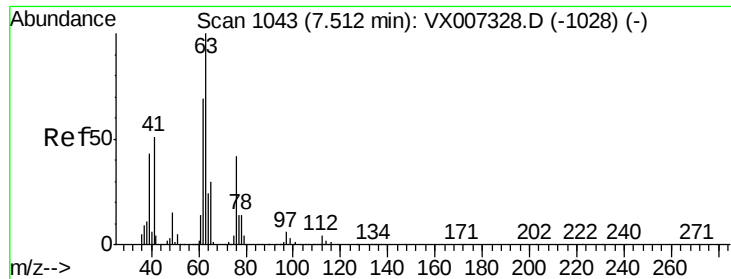


#44

Trichloroethene
 Concen: 17.958 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007490.D
 Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	180.0





#45

1,2-Dichloropropane

Concen: 19.280 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion: 63 Resp: 87004

Ion Ratio Lower Upper

63 100

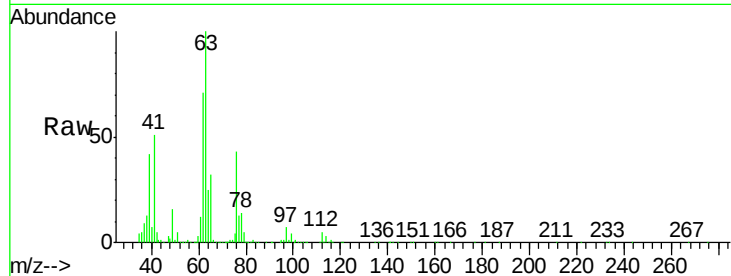
65 31.5 24.2 36.2

Manual Integrations

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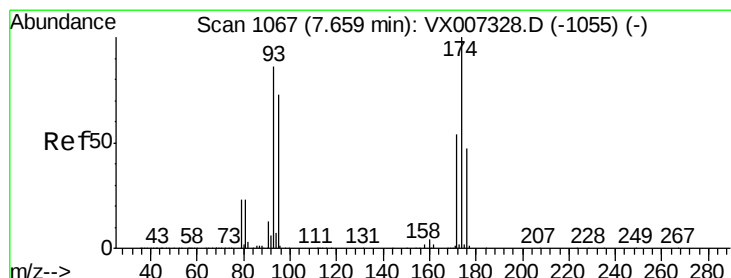
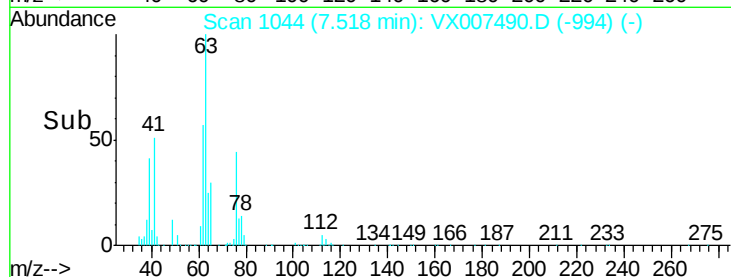
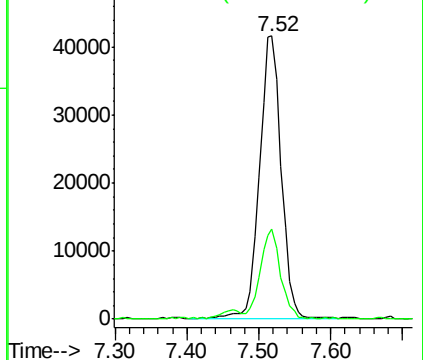
MMDadoda

2/13/2019 12:01:00 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.395 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

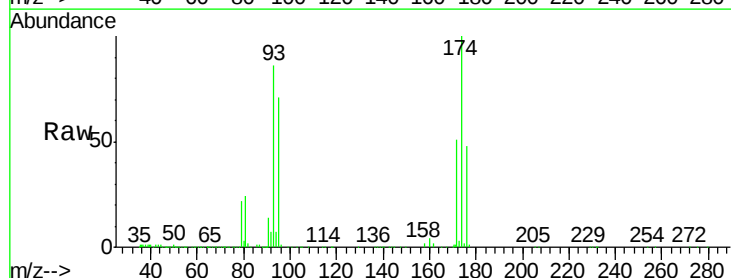
Tgt Ion: 93 Resp: 60331

Ion Ratio Lower Upper

93 100

95 83.2 67.6 101.4

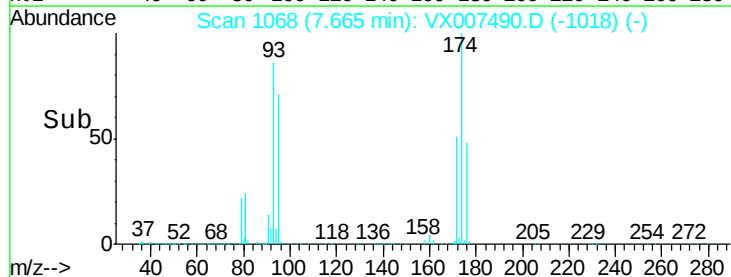
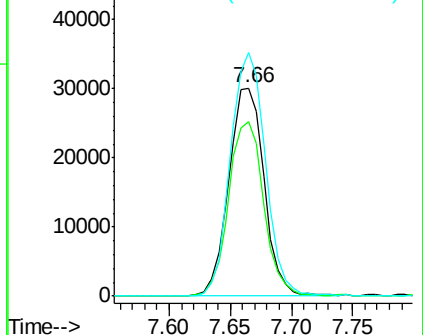
174 115.7 94.2 141.4

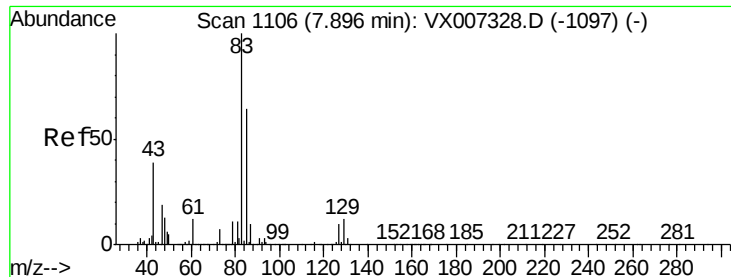


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.078 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

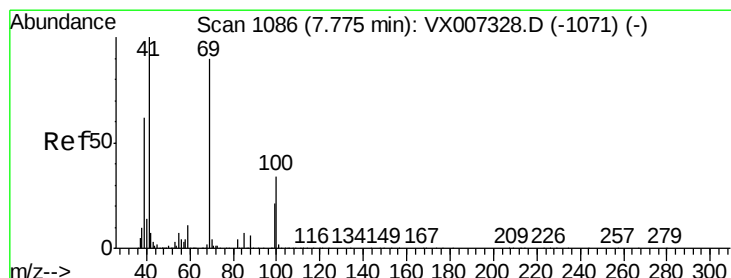
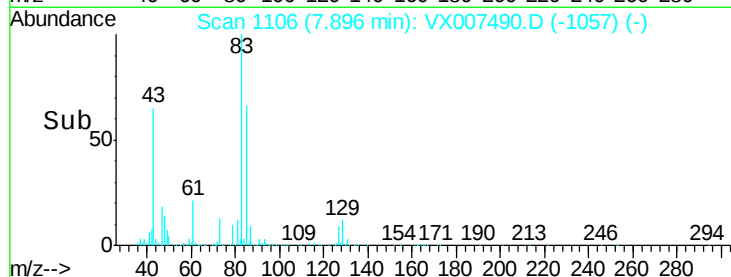
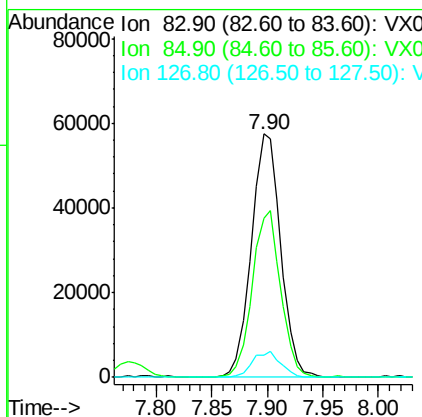
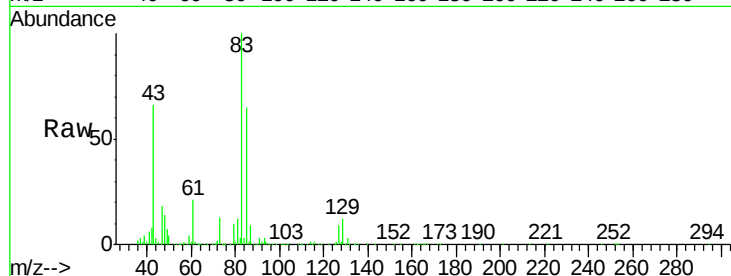
ClientSampleId :

VX0212WBSD01

Tot Ion:	83	Resp:	106046
Ion Ratio		Lower	Upper
83	100		
85	65.5	51.4	77.0
127	9.3	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.108 ug/l

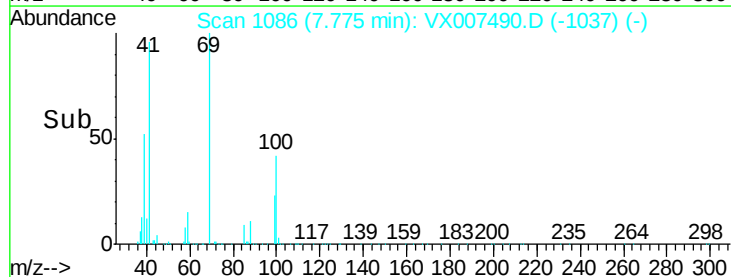
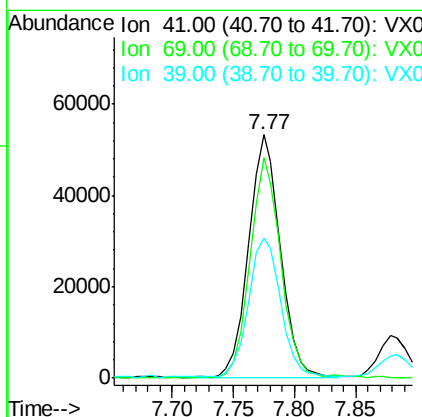
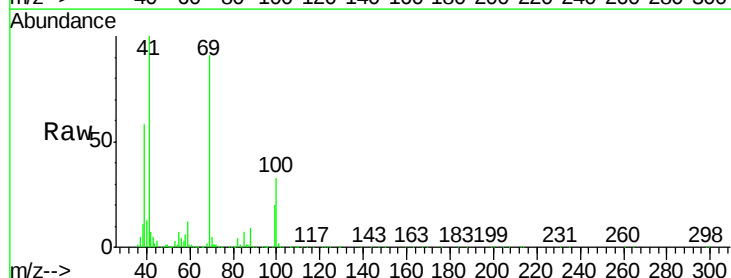
RT: 7.77 min Scan# 1086

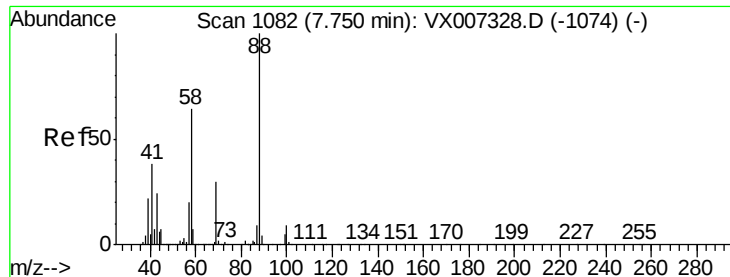
Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Tgt Ion:	41	Resp:	95951
Ion Ratio		Lower	Upper
41	100		
69	88.4	70.2	105.4
39	58.1	47.4	71.0





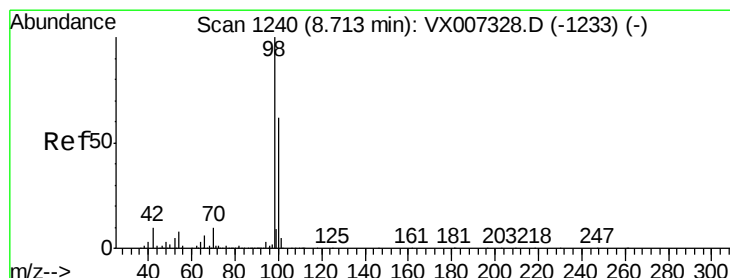
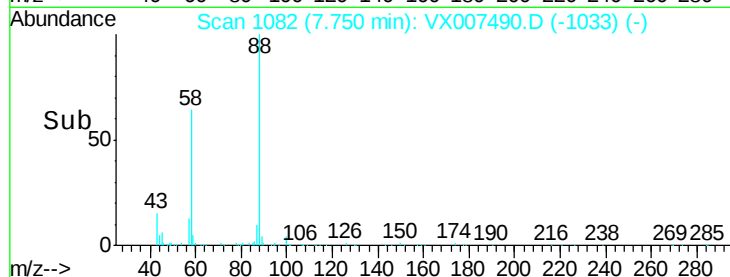
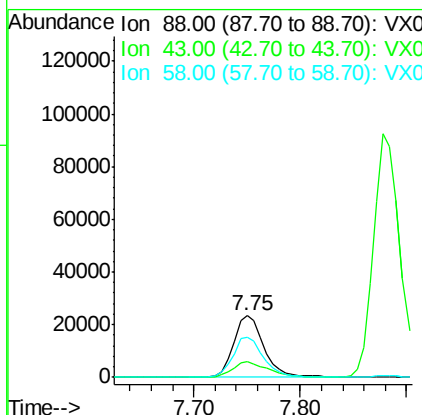
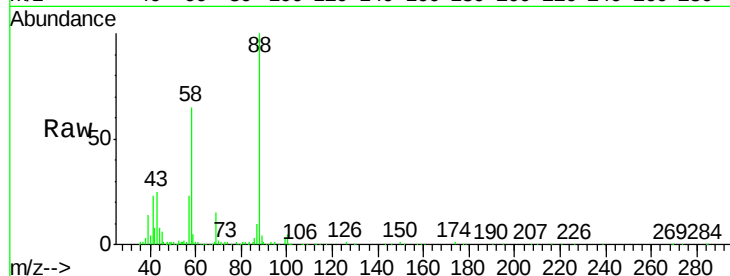
#49
1,4-Dioxane
Concen: 432.634 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	24.2	36.4
58	66.2	53.0	79.4

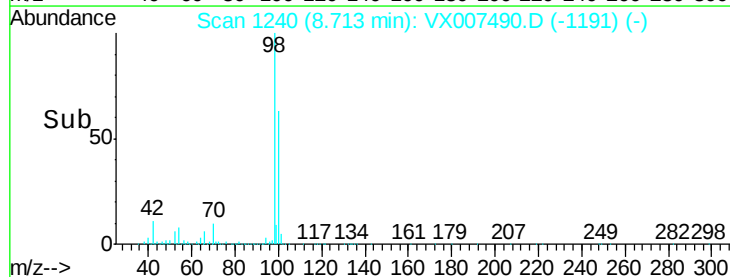
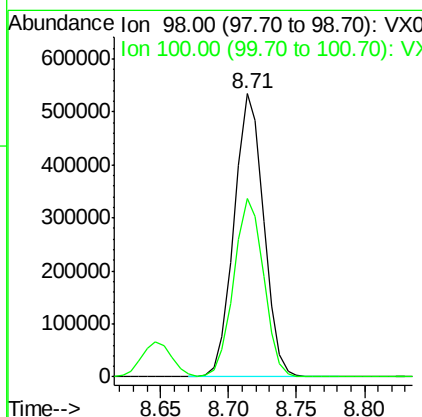
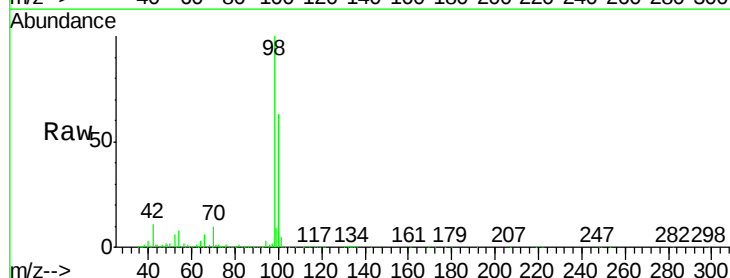
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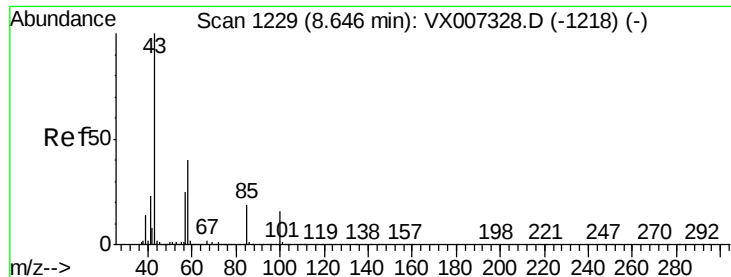
MMDadoda
2/13/2019 12:01:00 PM



#50
Toluene-d8
Concen: 49.246 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 101.973 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion: 43 Resp: 640407

Ion Ratio Lower Upper

43 100

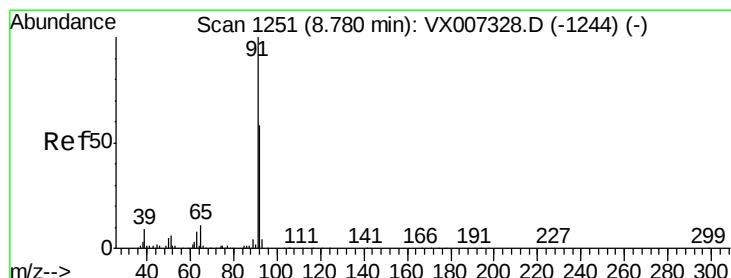
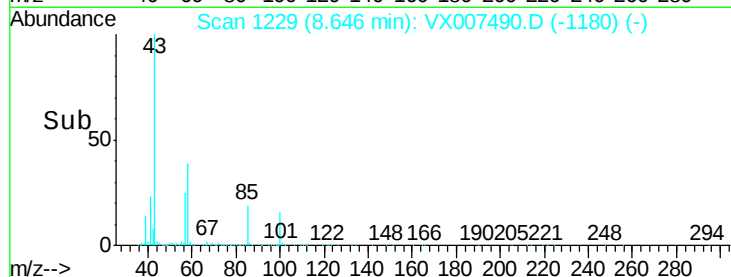
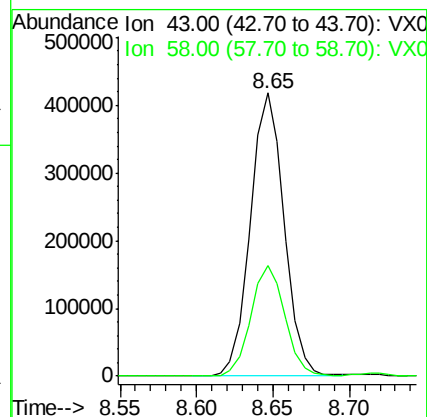
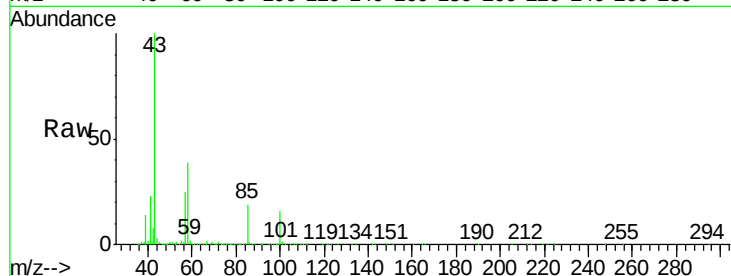
58 39.4 31.2 46.8

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#52

Toluene

Concen: 18.577 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX007490.D

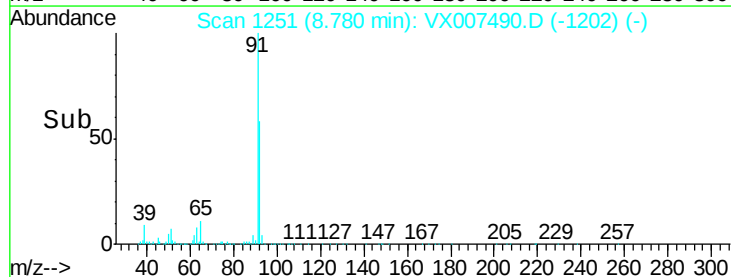
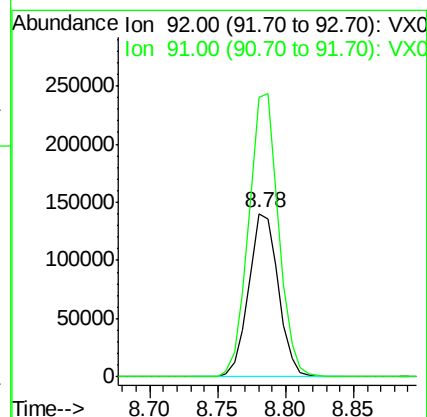
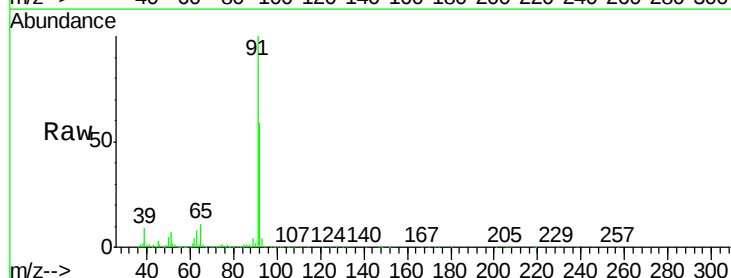
Acq: 12 Feb 2019 15:56

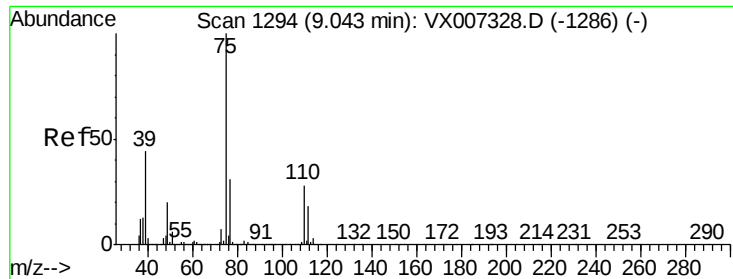
Tgt Ion: 92 Resp: 215871

Ion Ratio Lower Upper

92 100

91 173.8 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 18.482 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion: 75 Resp: 110346

Ion Ratio Lower Upper

75 100

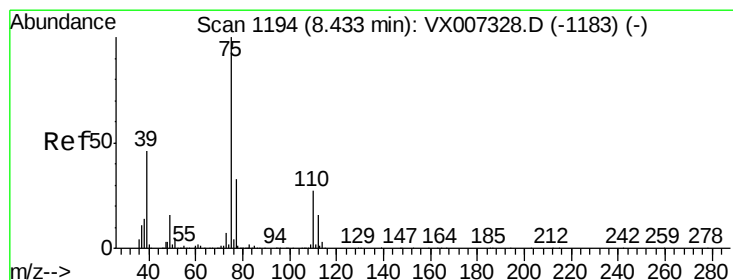
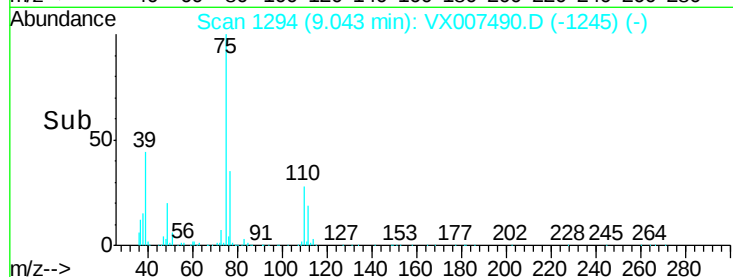
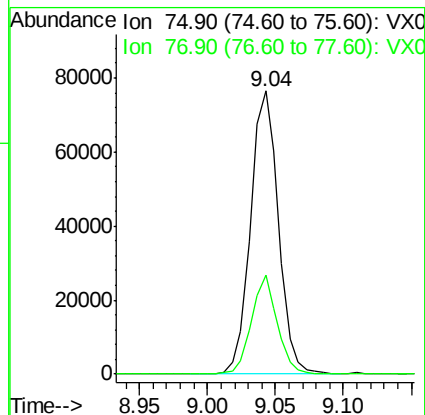
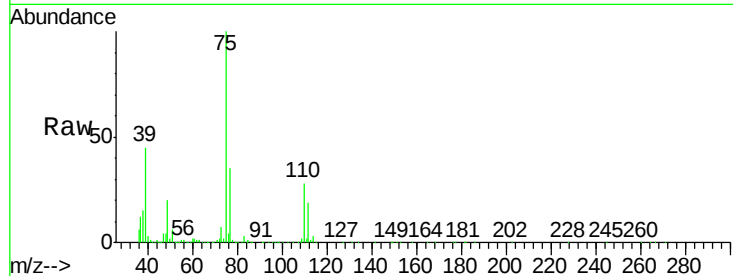
77 34.8 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.299 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

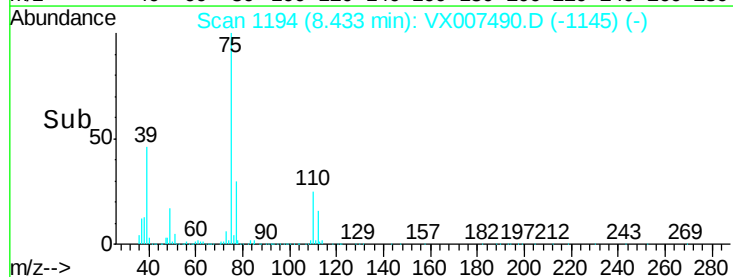
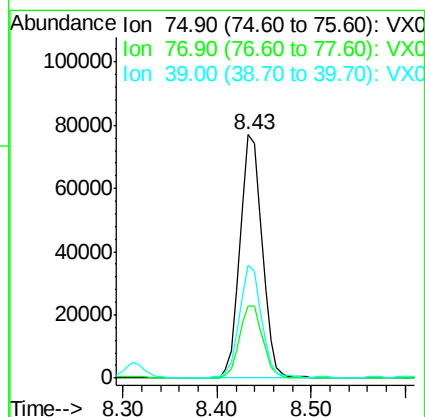
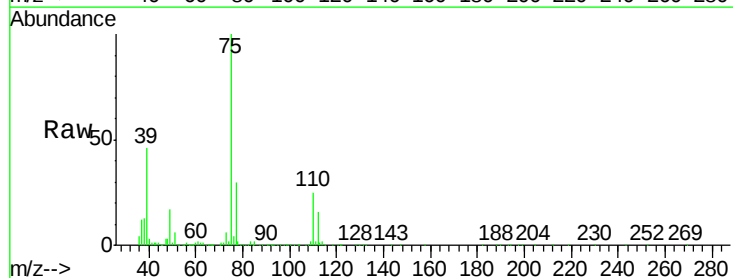
Tgt Ion: 75 Resp: 126715

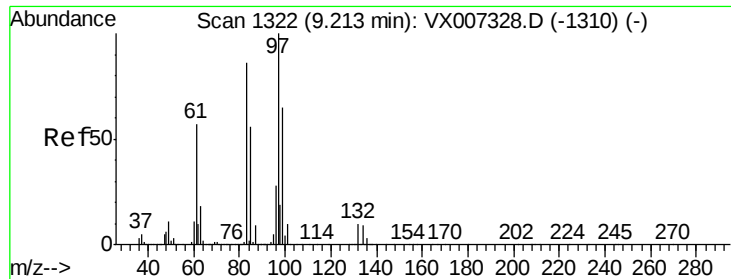
Ion Ratio Lower Upper

75 100

77 29.7 26.2 39.4

39 46.2 37.1 55.7





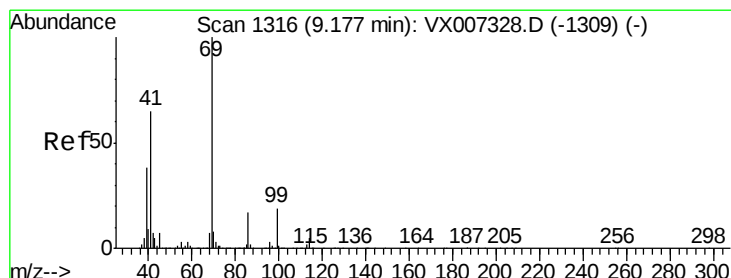
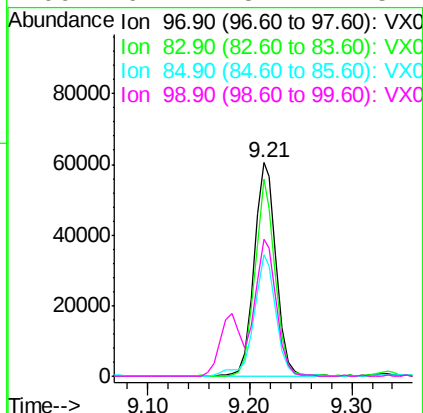
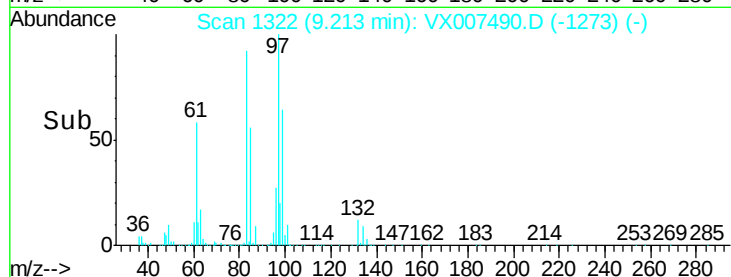
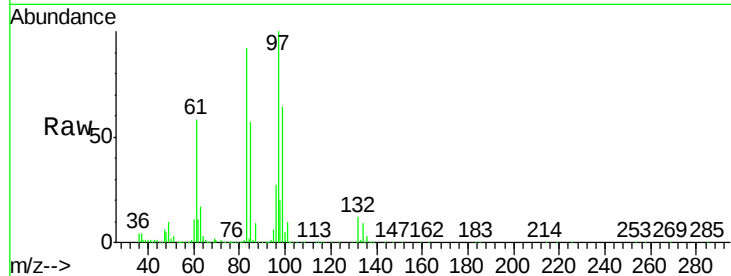
#55
 1,1,2-Trichloroethane
 Concen: 18.855 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007490.D
 Acq: 12 Feb 2019 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.3	68.6	102.8
85	56.5	44.5	66.7
99	64.2	52.2	78.4

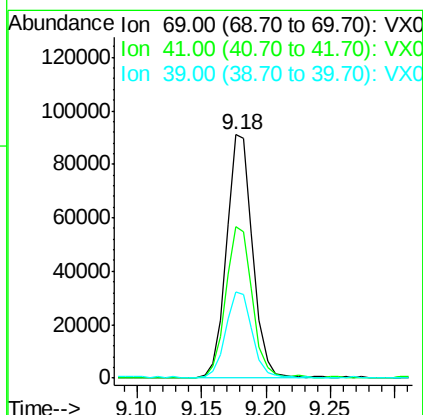
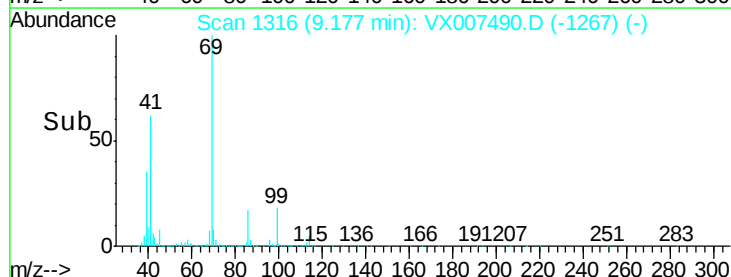
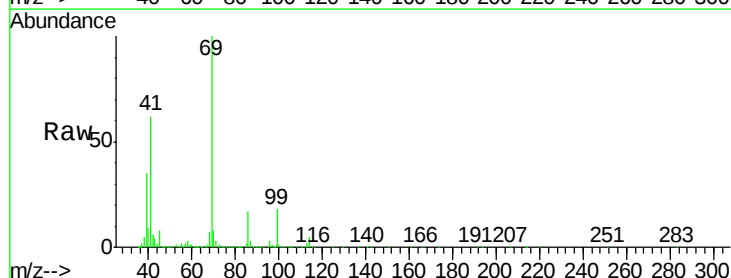
Manual Integrations
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 2/13/2019 12:01:00 PM



#56
 Ethyl methacrylate
 Concen: 19.280 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007490.D
 Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.8	52.1	78.1
39	35.5	30.1	45.1





#57

1,3-Dichloropropane

Concen: 19.001 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion: 76 Resp: 146369

Ion Ratio Lower Upper

76 100

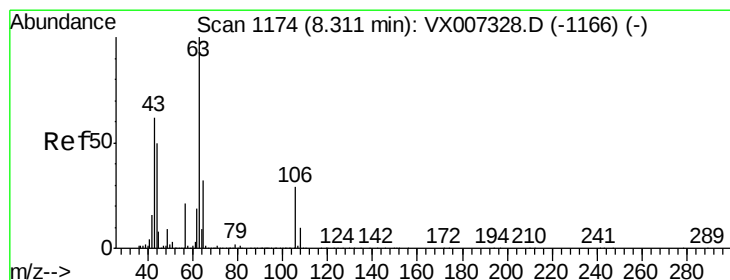
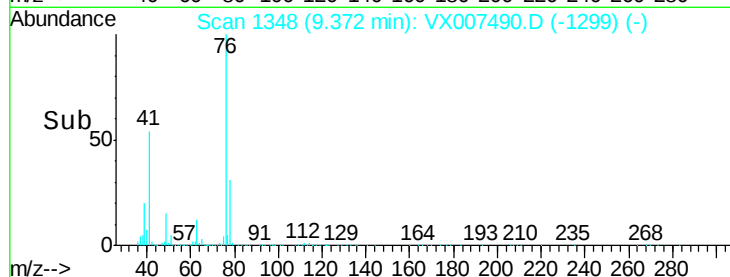
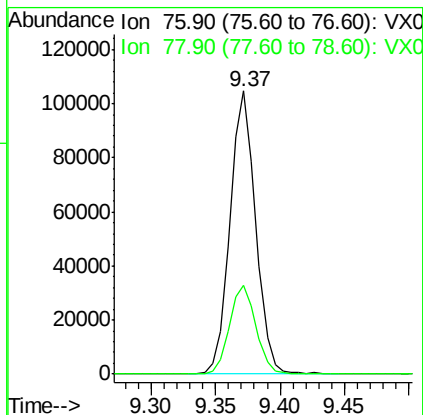
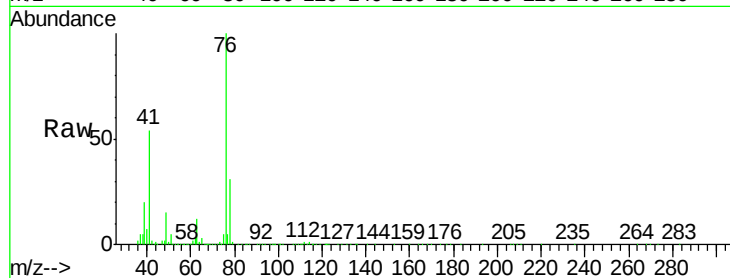
78 31.9 25.8 38.8

Manual Integrations

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2/13/2019 12:01:00 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.695 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007490.D

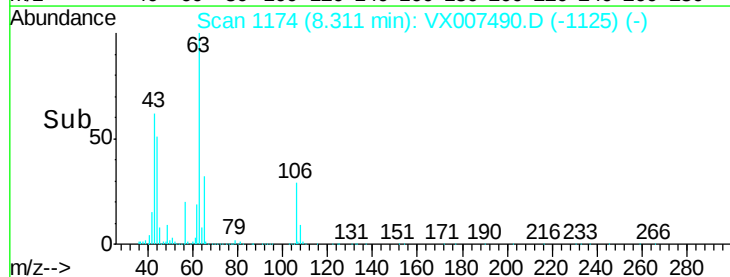
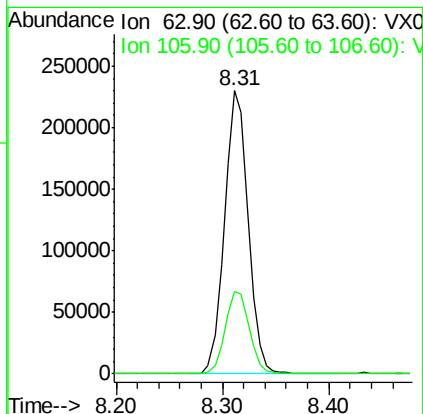
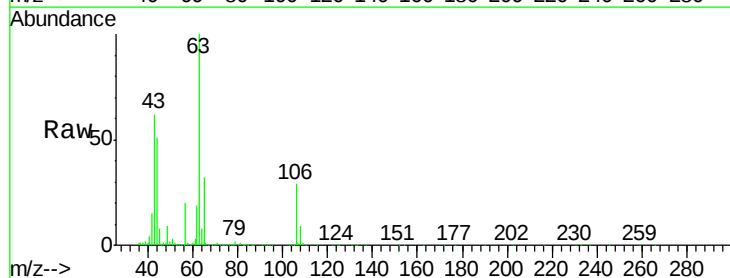
Acq: 12 Feb 2019 15:56

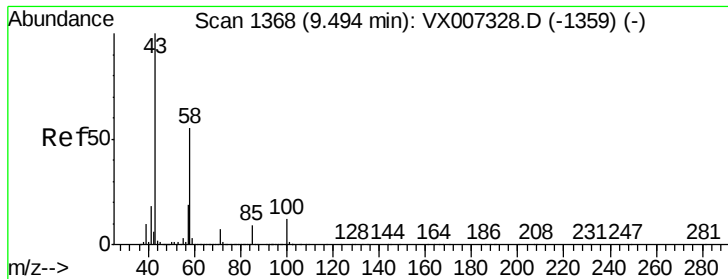
Tgt Ion: 63 Resp: 356060

Ion Ratio Lower Upper

63 100

106 30.1 23.6 35.4





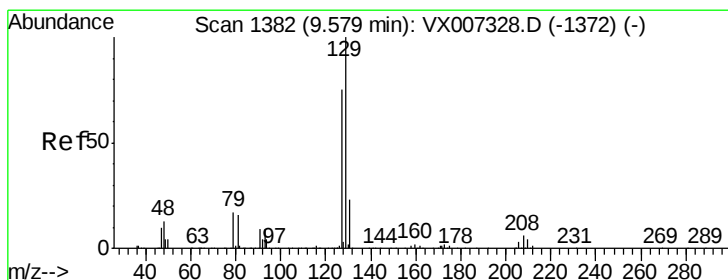
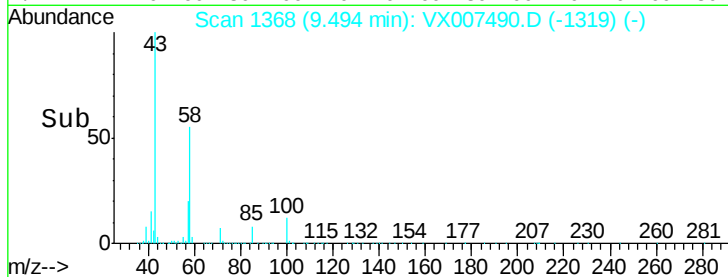
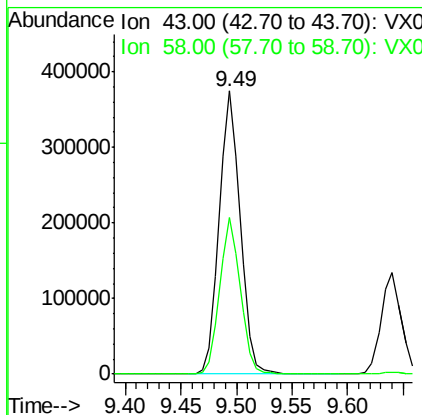
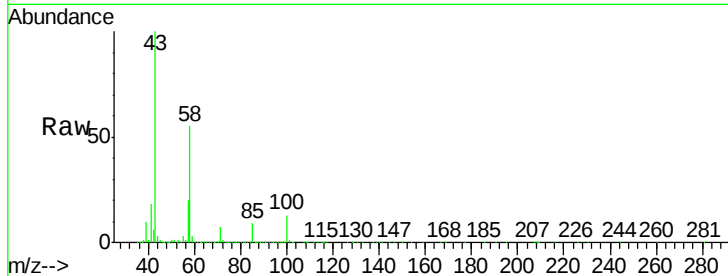
#59
2-Hexanone
Concen: 100.668 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion: 43 Resp: 491968
Ion Ratio Lower Upper
43 100
58 54.3 27.1 81.3

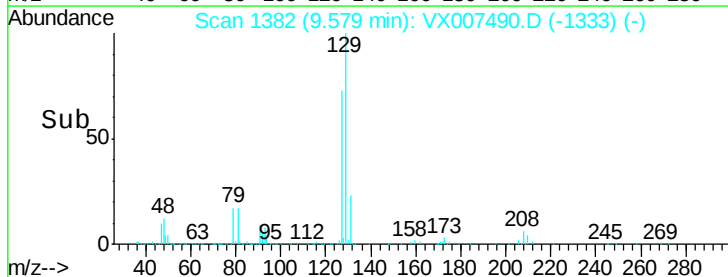
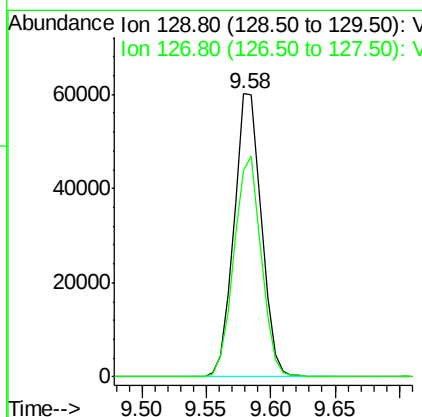
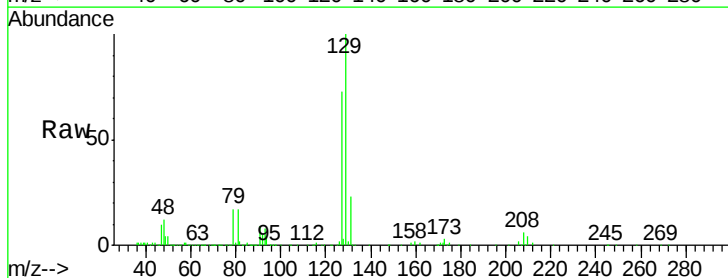
Manual Integrations
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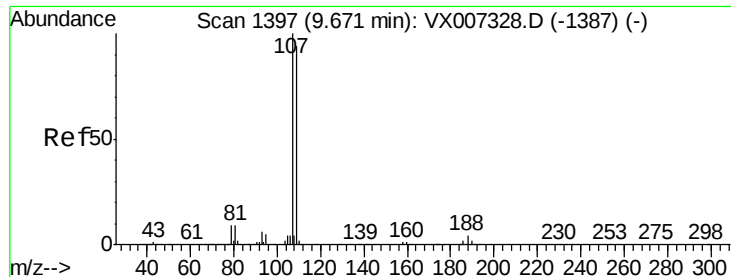
MMDadoda
2/13/2019 12:01:00 PM



#60
Dibromochloromethane
Concen: 19.462 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion: 129 Resp: 89157
Ion Ratio Lower Upper
129 100
127 77.8 37.8 113.4





#61

1,2-Dibromoethane

Concen: 18.701 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion: 107 Resp: 95930

Ion Ratio Lower Upper

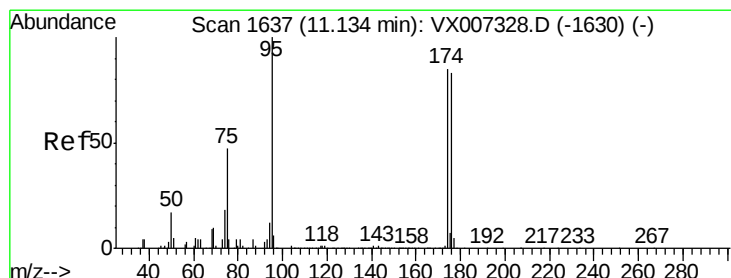
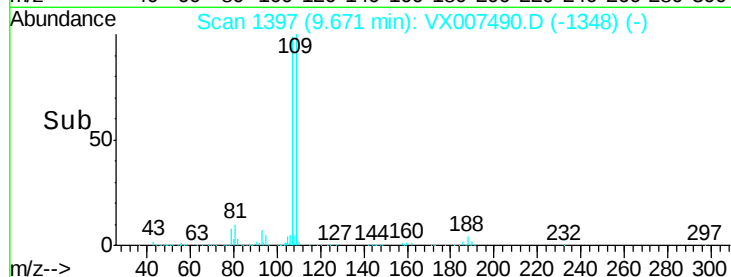
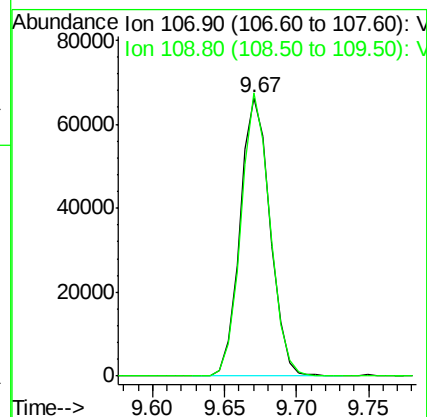
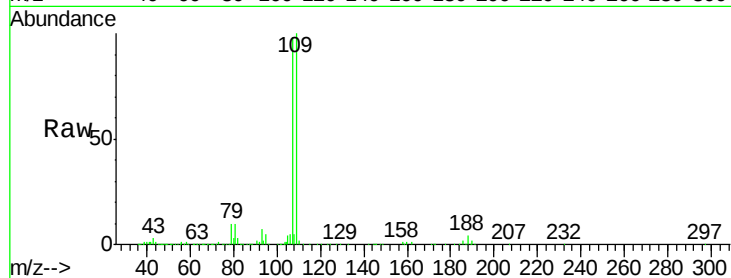
107 100

109 98.8 75.1 112.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 47.533 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

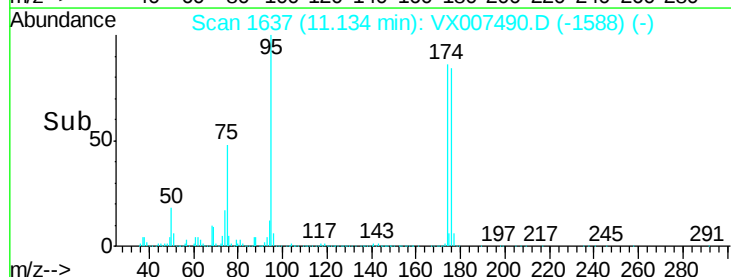
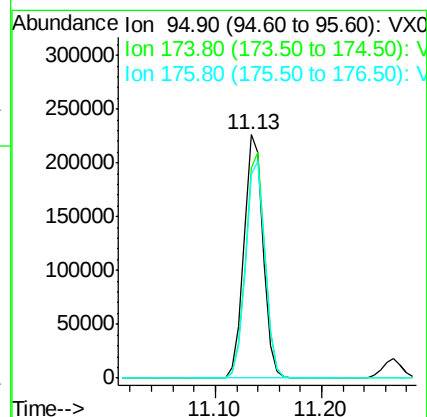
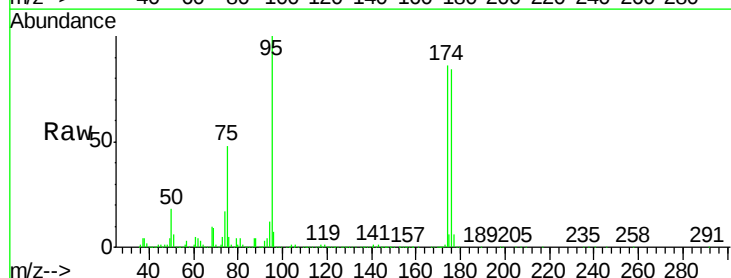
Tgt Ion: 95 Resp: 285488

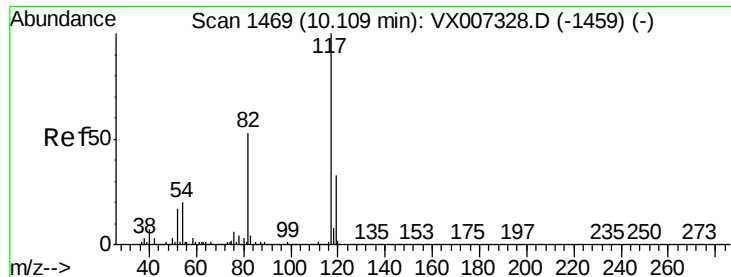
Ion Ratio Lower Upper

95 100

174 93.2 0.0 189.2

176 90.4 0.0 186.2





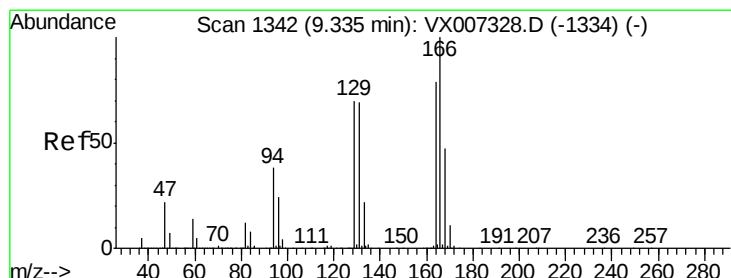
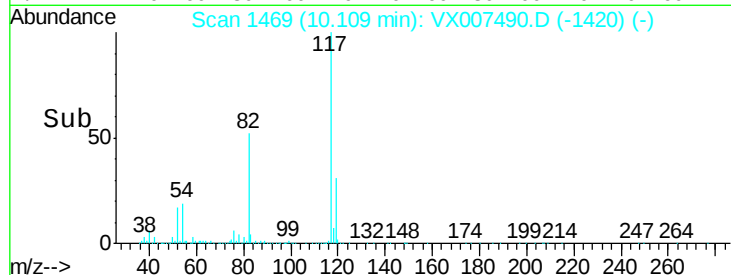
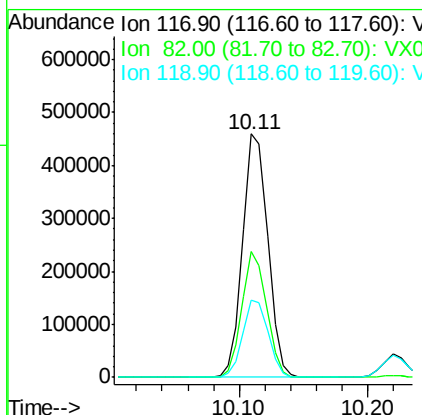
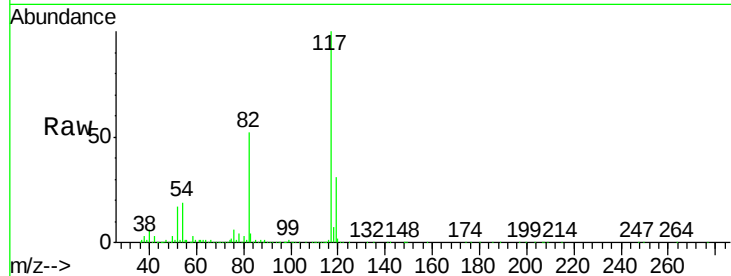
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.1	63.1
119	31.5	26.5	39.7

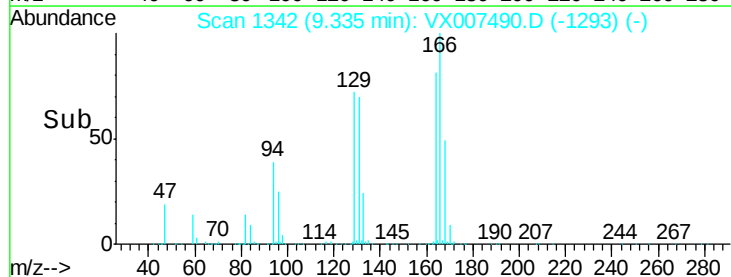
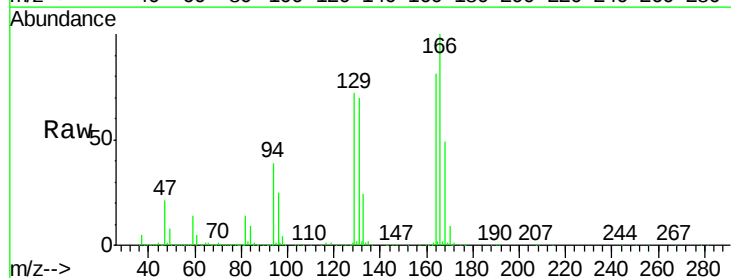
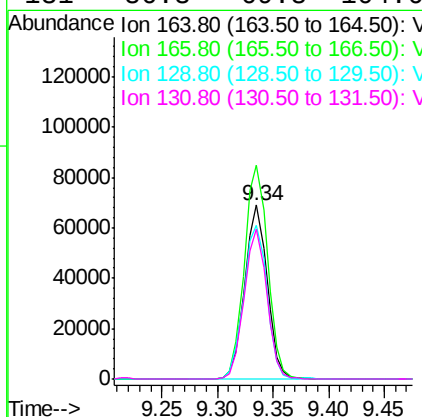
Manual Integrations
APPROVED

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2/13/2019 12:01:00 PM



#64
Tetrachloroethene
Concen: 16.651 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	101.0	151.4
129	88.4	70.5	105.7
131	86.3	69.8	104.6





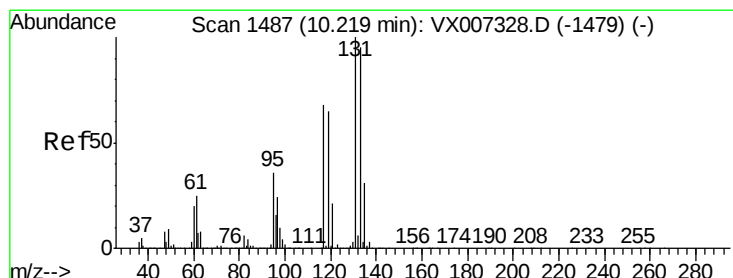
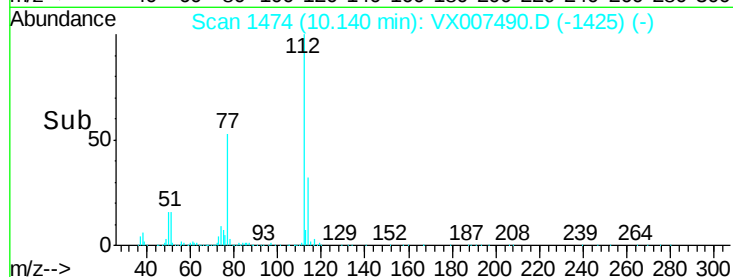
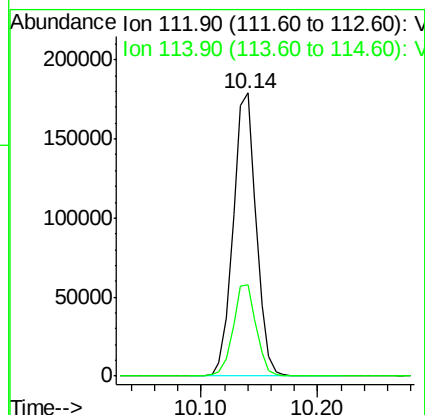
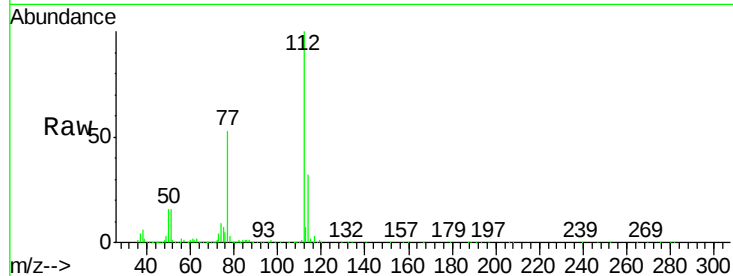
#65
Chlorobenzene
Concen: 18.180 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.6

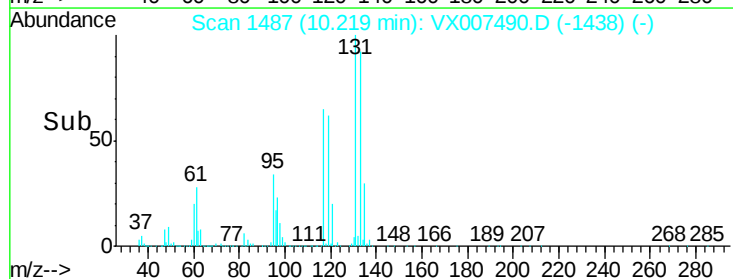
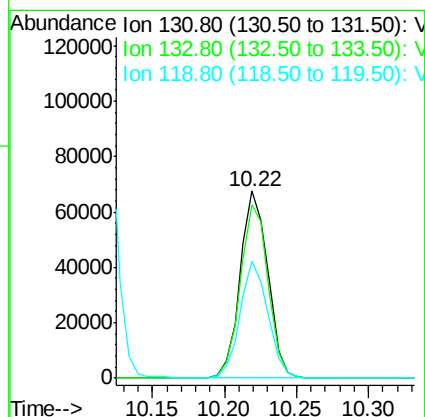
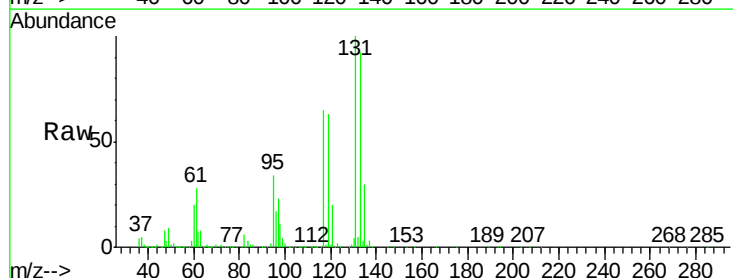
Manual Integrations
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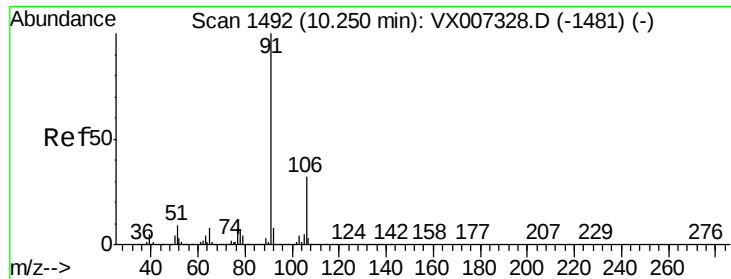
MMDadoda
2/13/2019 12:01:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.872 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.9	48.0	144.2
119	63.2	32.0	96.0





#67

Ethyl Benzene

Concen: 18.504 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleID :

VX0212WBSD01

Tot Ion: 91 Resp: 404426

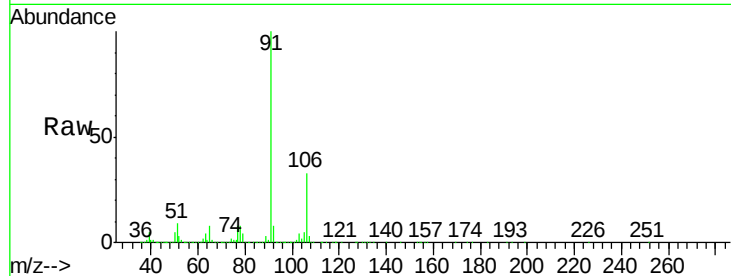
Ion Ratio Lower Upper

91 100

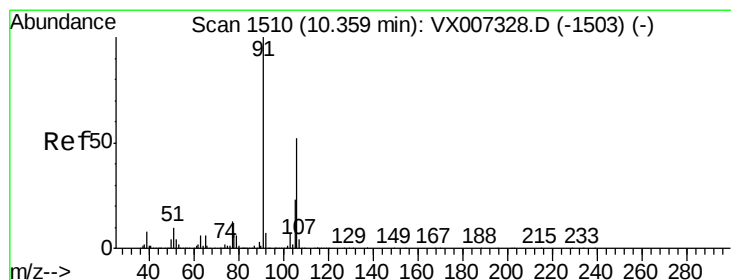
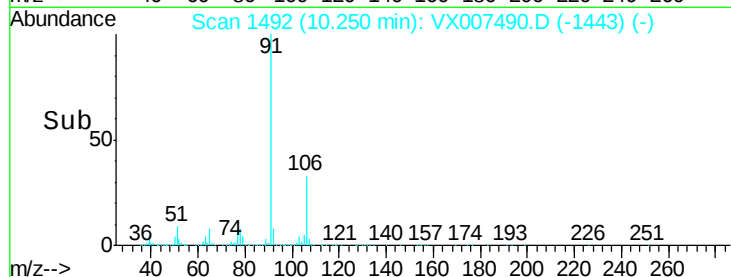
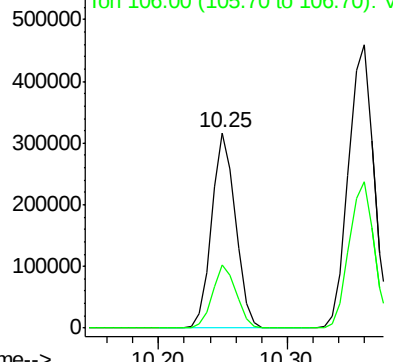
106 32.5 25.4 38.0

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX007328.D (-1481) (-)



#68

m/p-Xylenes

Concen: 36.580 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007490.D

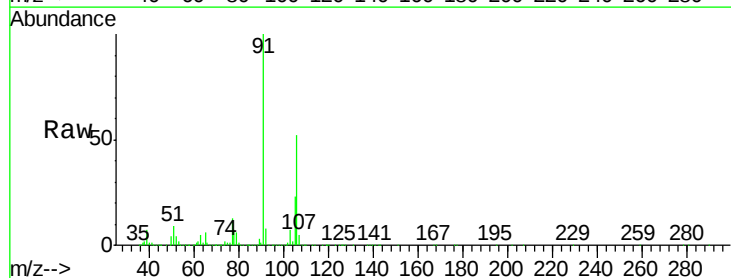
Acq: 12 Feb 2019 15:56

Tgt Ion: 106 Resp: 317805

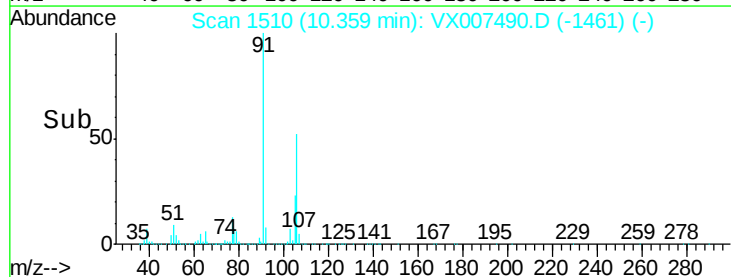
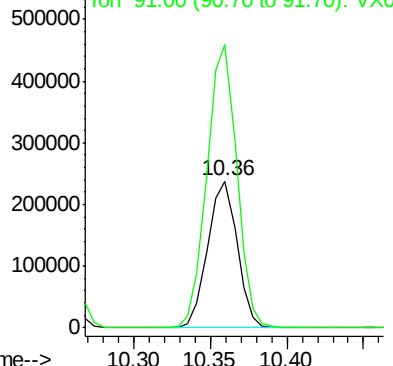
Ion Ratio Lower Upper

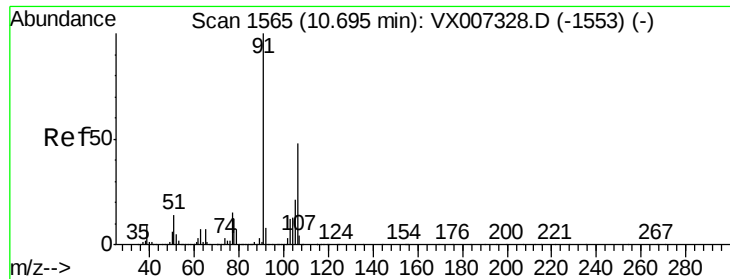
106 100

91 195.3 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): VX007328.D (-1503) (-)





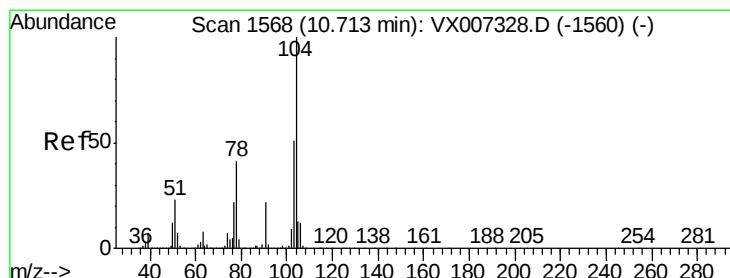
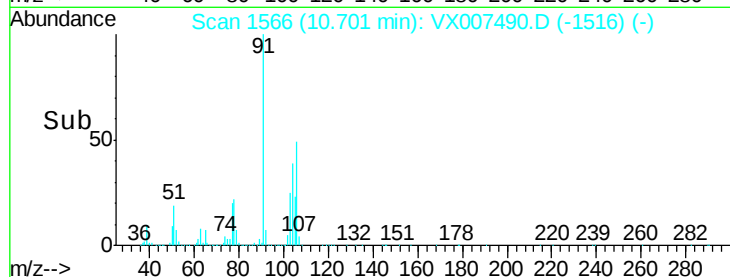
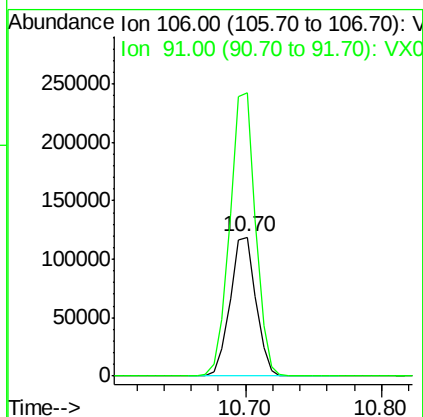
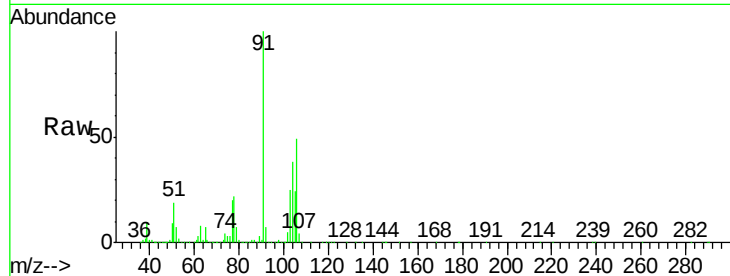
#69
o-Xylene
Concen: 18.818 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.3	102.9	308.7

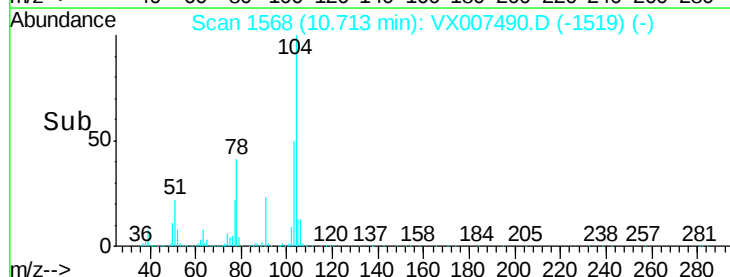
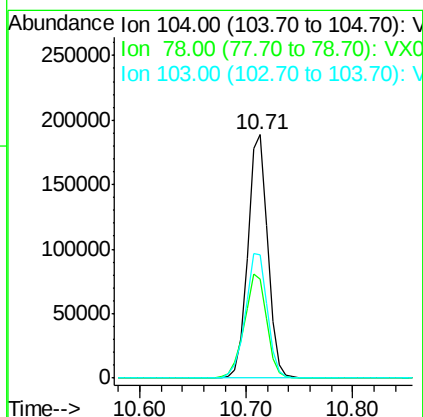
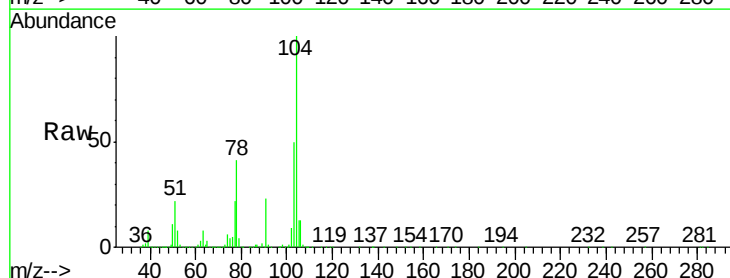
Manual Integrations
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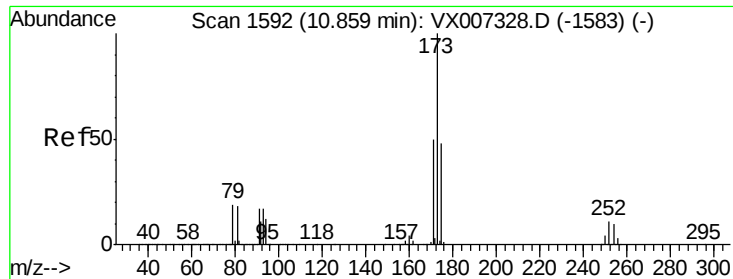
MMDadoda
2/13/2019 12:01:00 PM



#70
Styrene
Concen: 18.329 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	38.3	57.5
103	56.5	44.6	67.0





#71

Bromoform

Concen: 19.395 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion:173 Resp: 66698

Ion Ratio Lower Upper

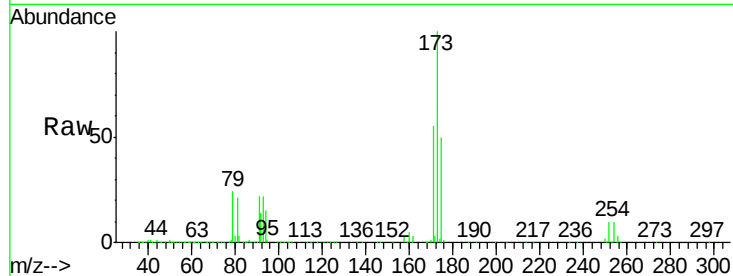
173 100

175 47.7 24.2 72.6

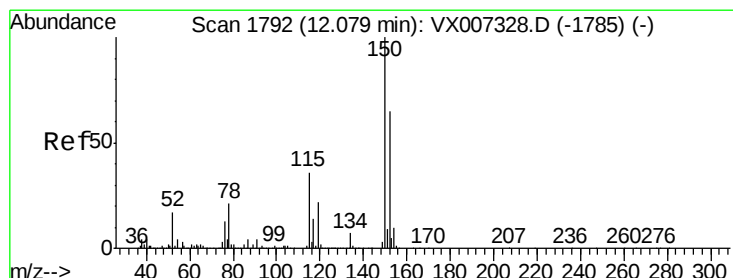
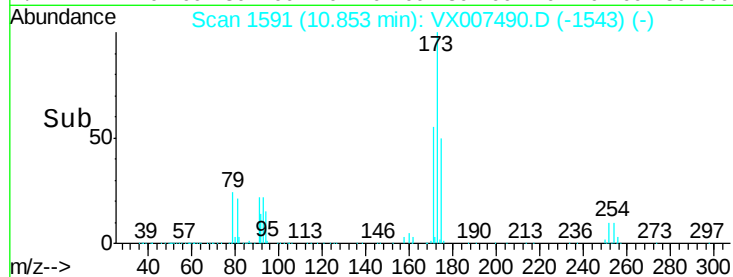
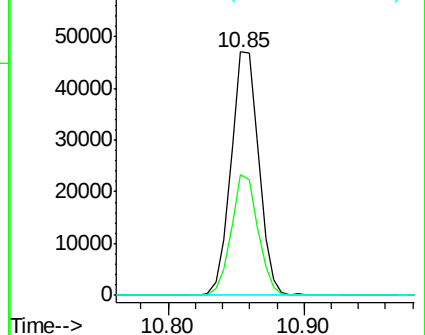
254 0.2 0.2 0.2

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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: VX007490.D

Acq: 12 Feb 2019 15:56

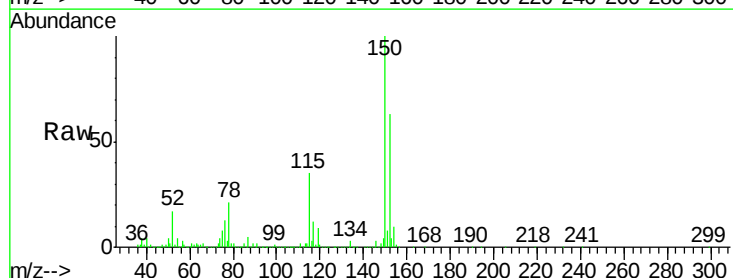
Tgt Ion:152 Resp: 310622

Ion Ratio Lower Upper

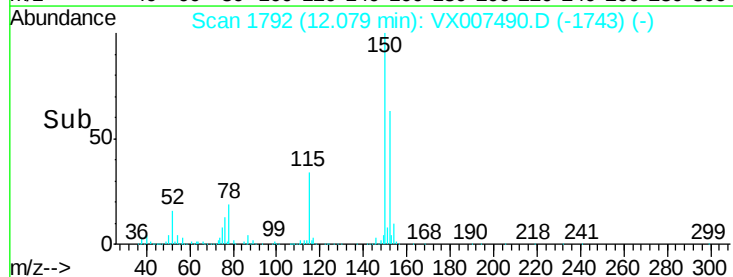
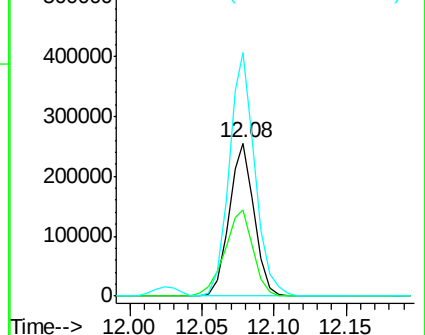
152 100

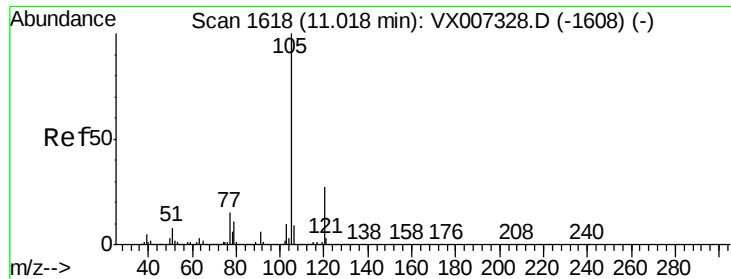
115 63.5 38.0 114.0

150 163.6 0.0 346.4



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: 19.442 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion: 105 Resp: 410391

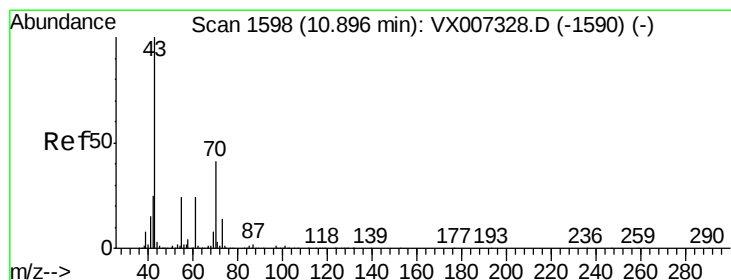
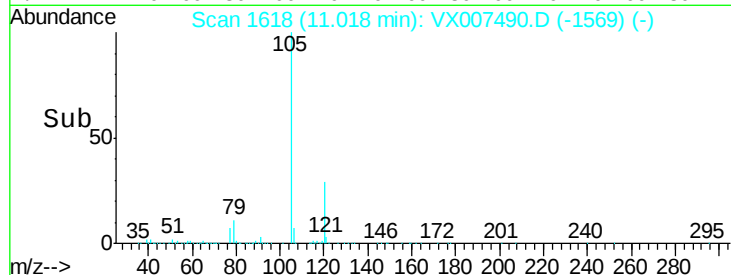
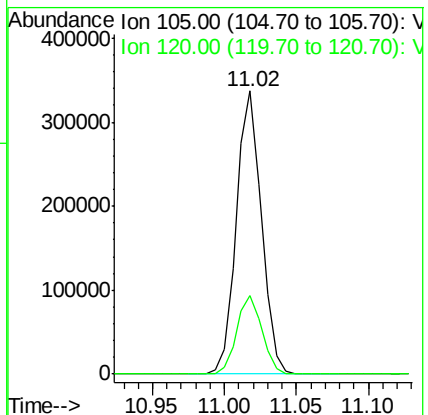
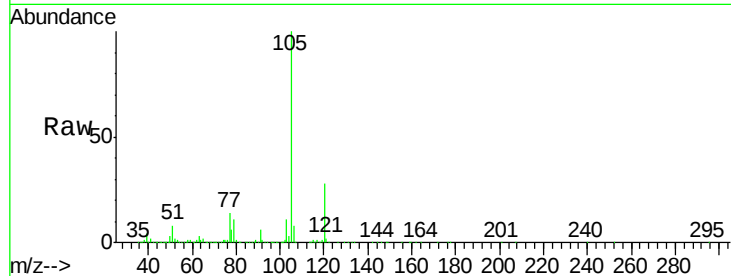
Ion Ratio Lower Upper

105 100

120 27.8 13.6 40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.256 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Tgt Ion: 43 Resp: 165381

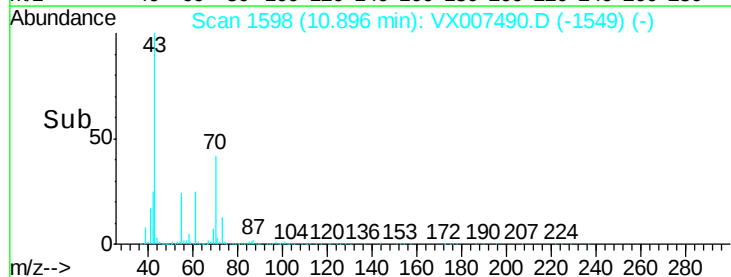
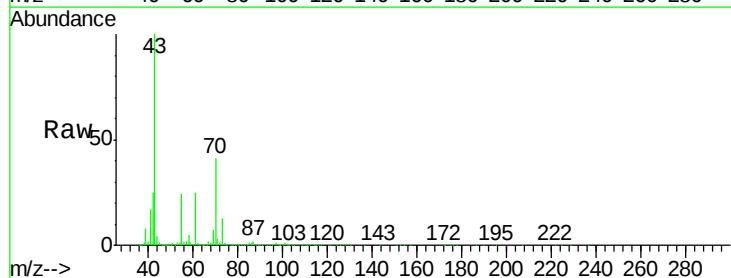
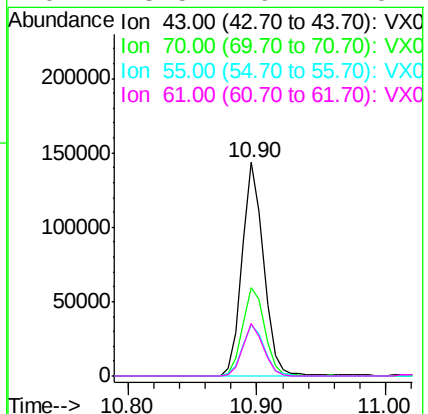
Ion Ratio Lower Upper

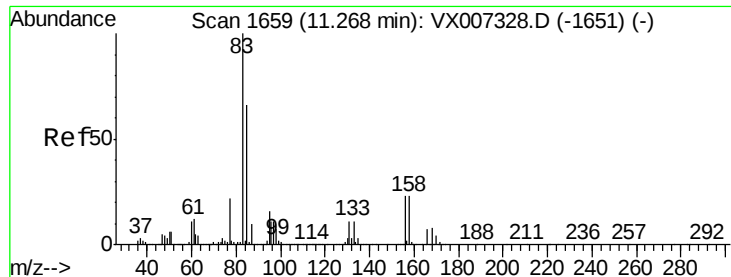
43 100

70 42.3 33.8 50.6

55 24.7 19.5 29.3

61 23.5 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.694 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

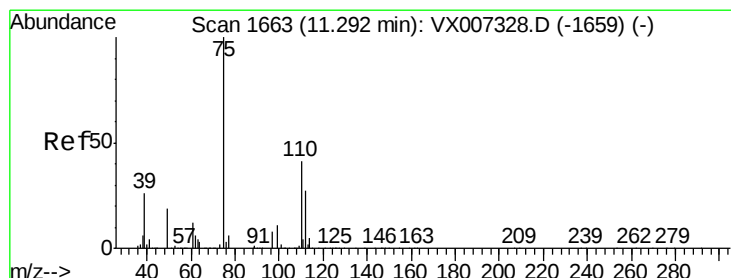
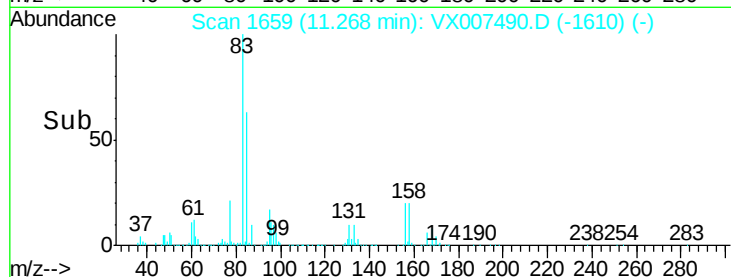
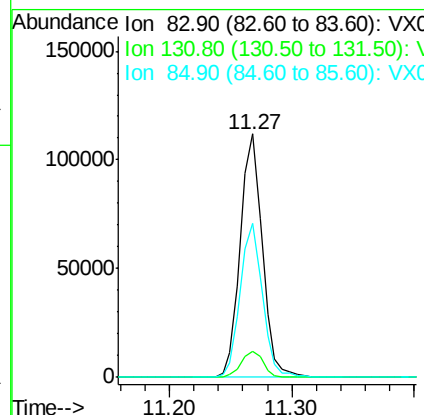
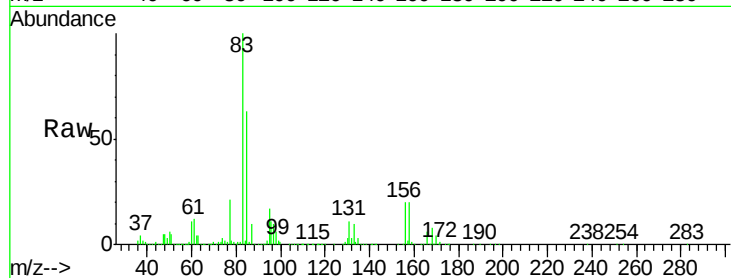
ClientSampleId :

VX0212WBSD01

Tot Ion:	83	Resp:	139556
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.7	17.0
85	64.0	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.228 ug/l m

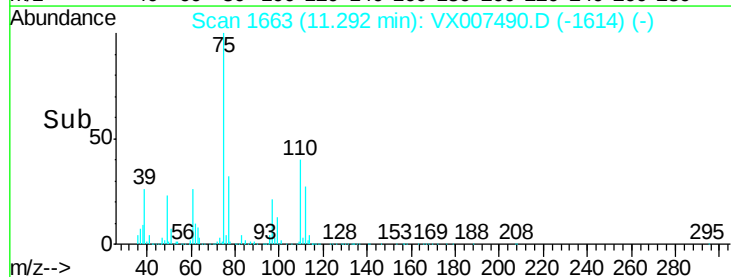
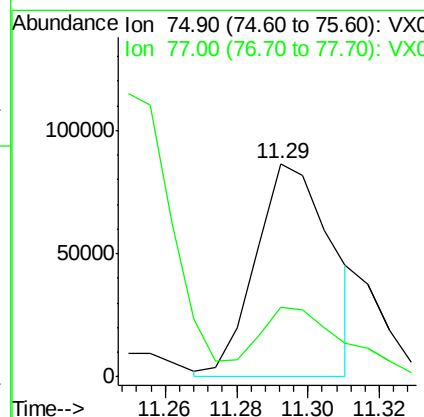
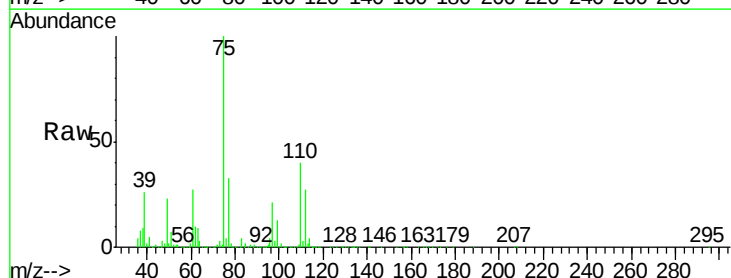
RT: 11.29 min Scan# 1663

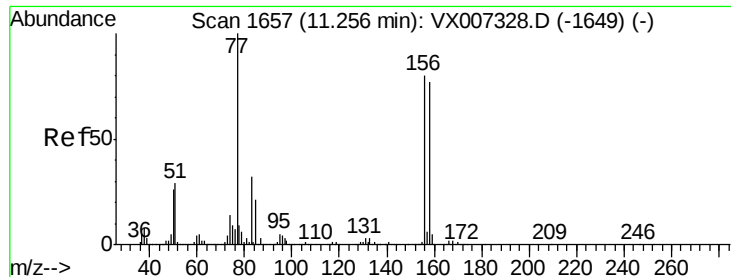
Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Tgt Ion:	75	Resp:	128258
Ion Ratio	Lower	Upper	
75	100		
77	38.1	23.0	69.0





#77

Bromobenzene

Concen: 19.060 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

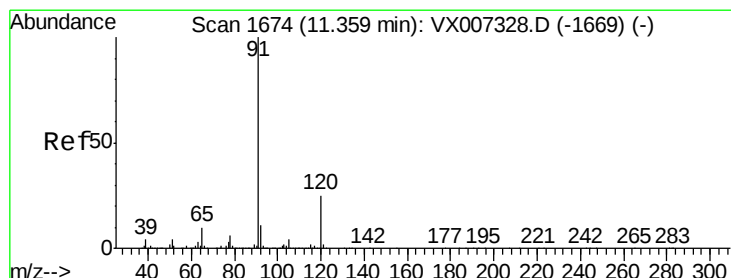
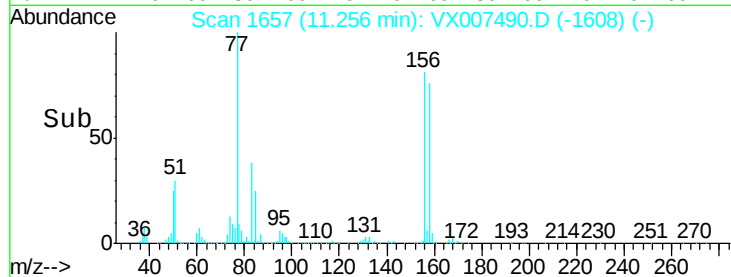
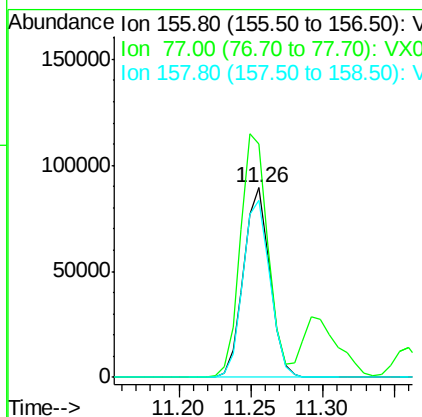
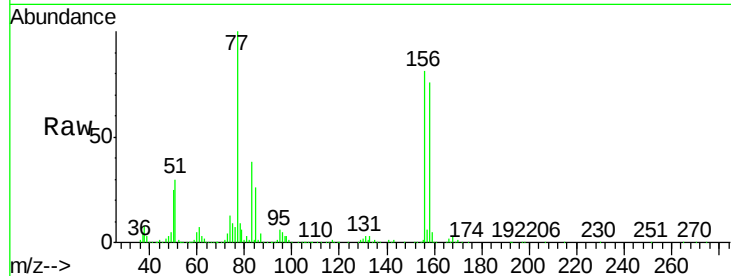
ClientSampleId :

VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.4	66.8	200.6
158	96.2	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.632 ug/l

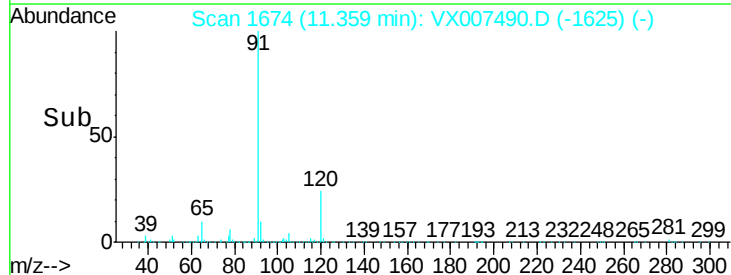
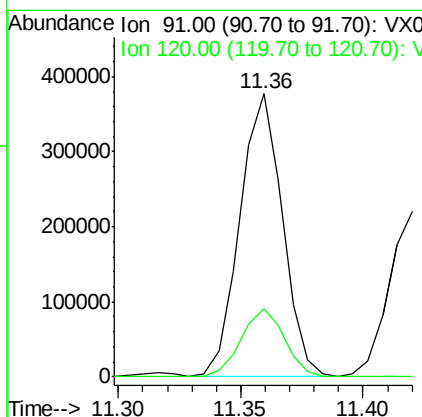
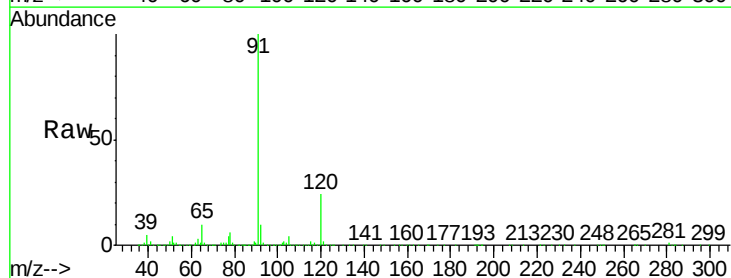
RT: 11.36 min Scan# 1674

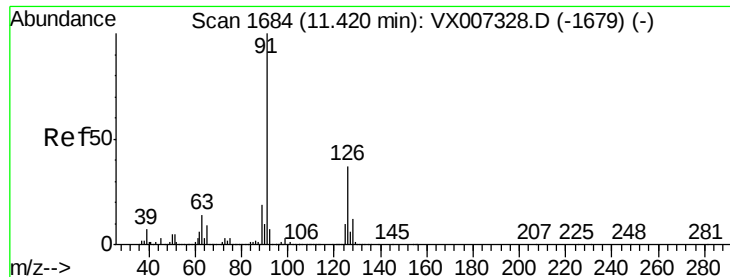
Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.4	37.2





#79

2-Chlorotoluene

Concen: 19.065 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion: 91 Resp: 267773

Ion Ratio Lower Upper

91 100

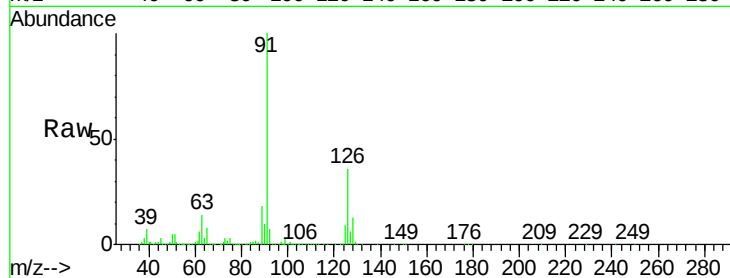
126 37.9 18.7 56.1

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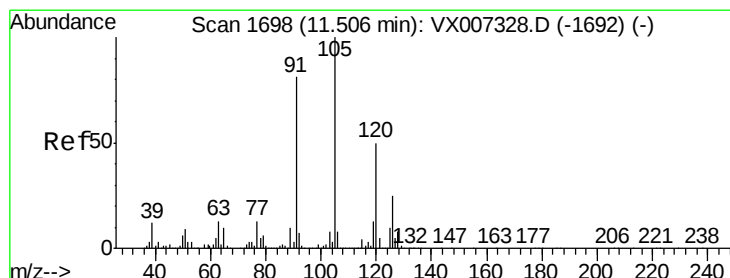
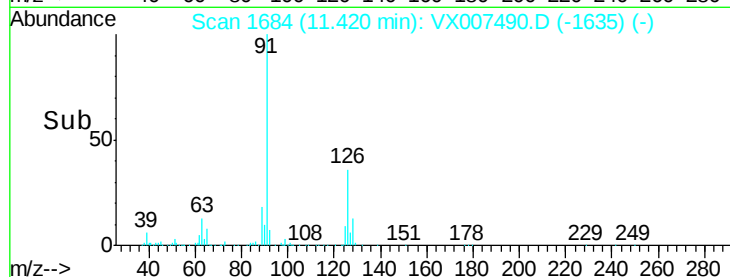
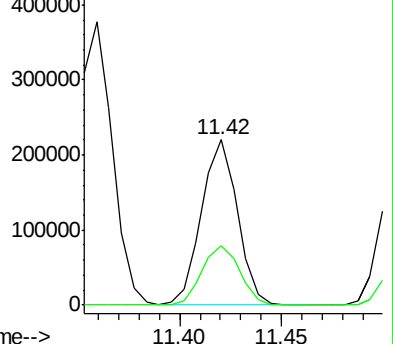
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.442 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007490.D

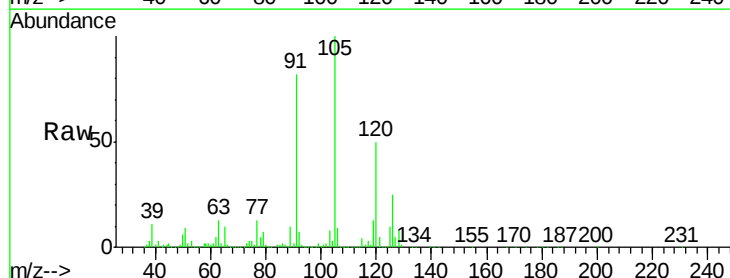
Acq: 12 Feb 2019 15:56

Tgt Ion:105 Resp: 335748

Ion Ratio Lower Upper

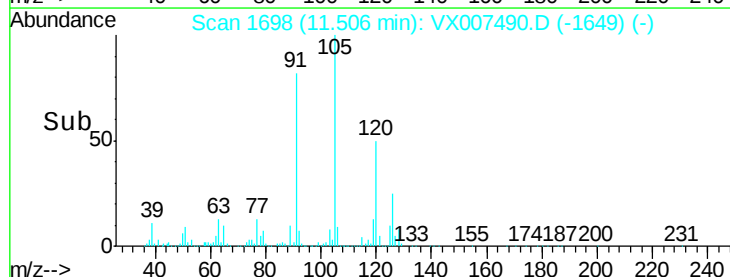
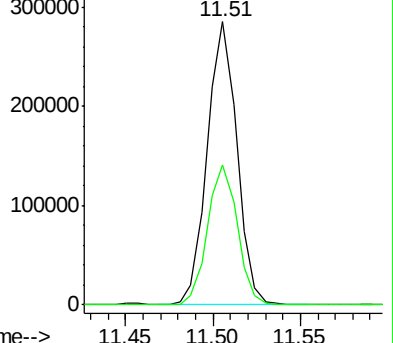
105 100

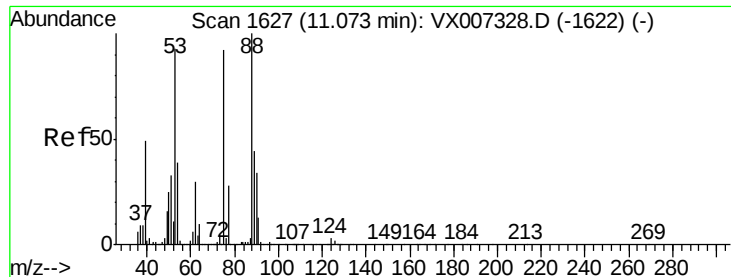
120 50.1 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.327 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

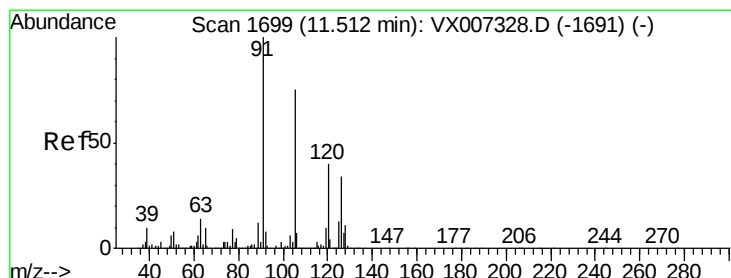
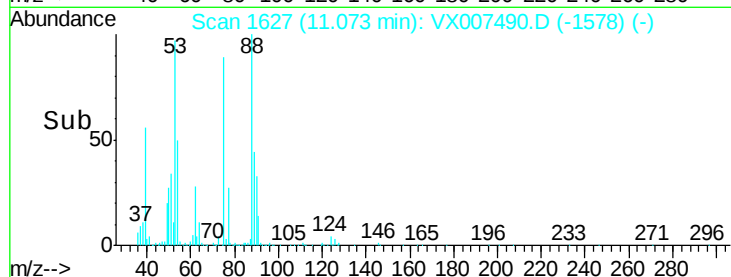
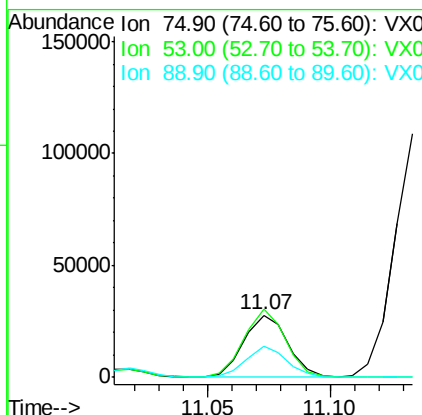
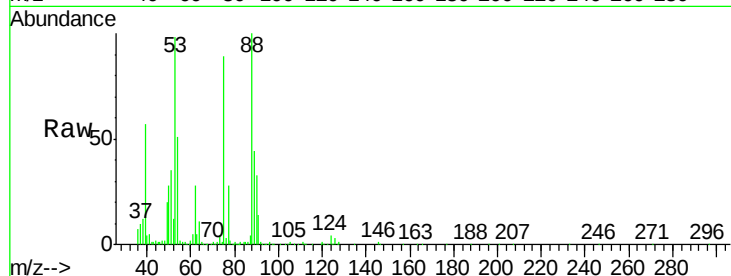
ClientSampleId :

VX0212WBSD01

Tot Ion:	75	Resp:	34376
Ion Ratio	Lower	Upper	
75	100		
53	105.7	81.0	121.6
89	47.3	41.4	62.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.176 ug/l

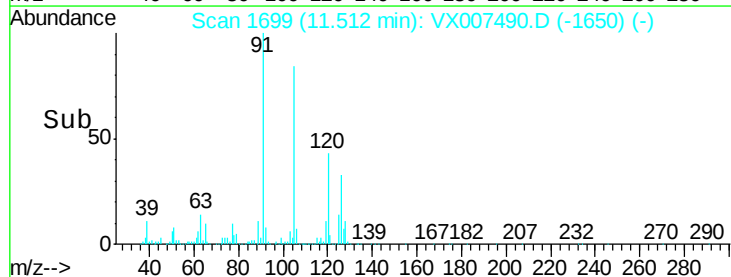
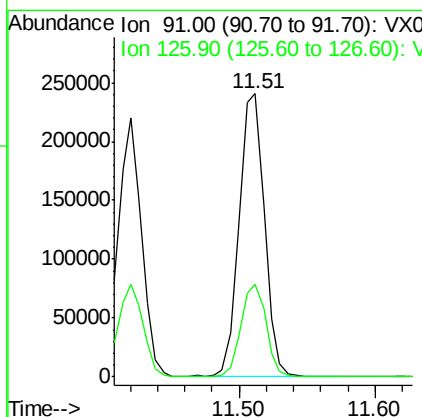
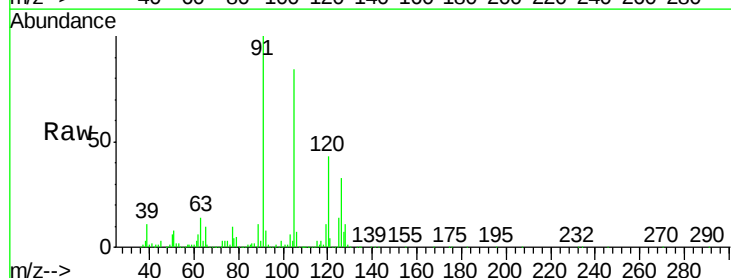
RT: 11.51 min Scan# 1699

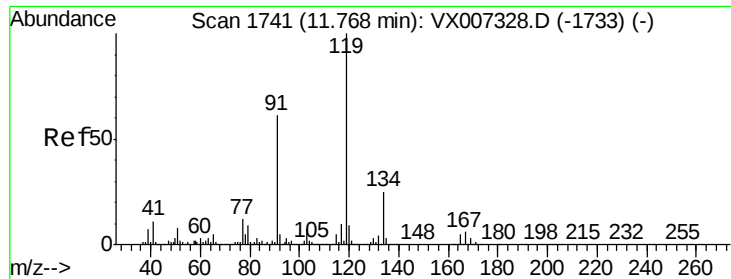
Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Tgt Ion:	91	Resp:	311645
Ion Ratio	Lower	Upper	
91	100		
126	32.7	16.2	48.5





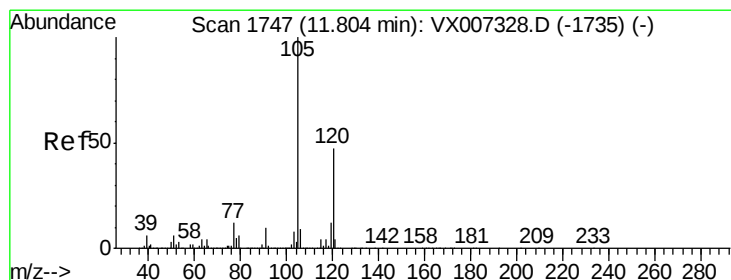
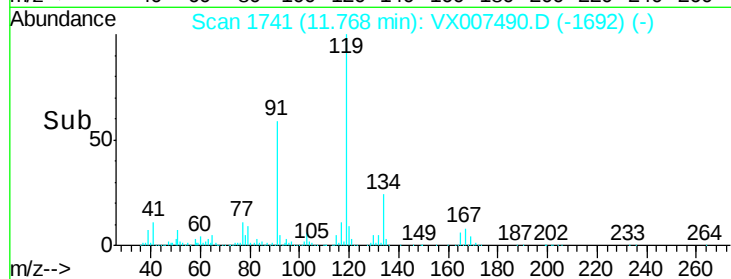
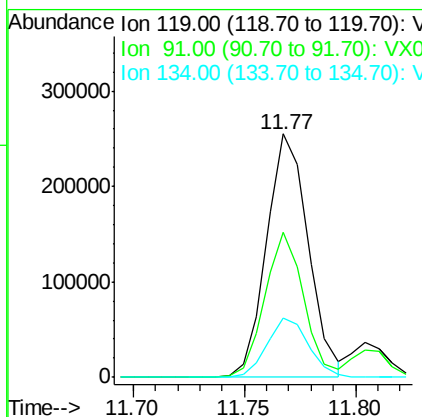
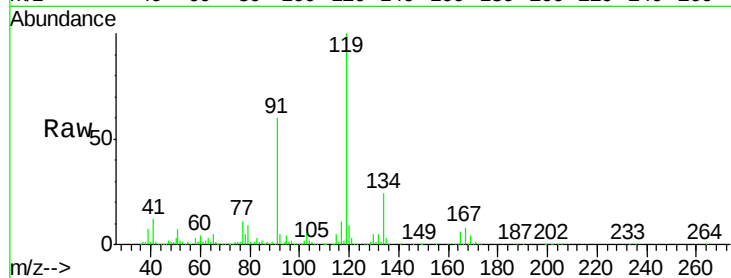
#83
tert-Butylbenzene
Concen: 19.357 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	330963		
91	56.1	28.5	85.6	
134	24.2	12.0	36.0	

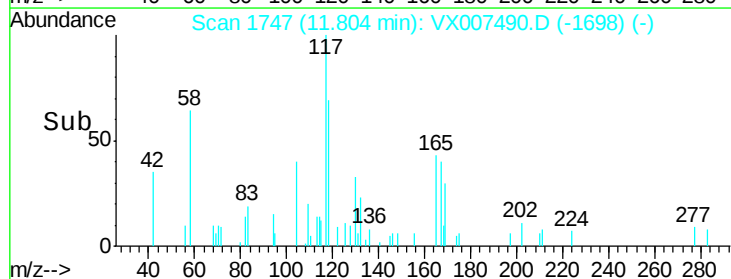
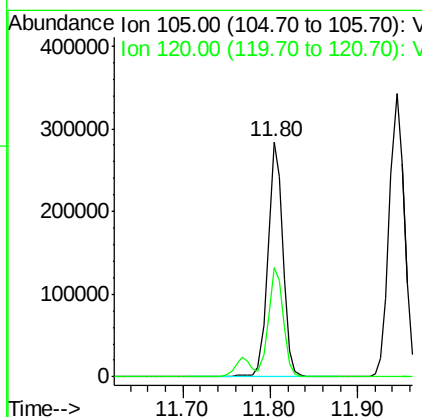
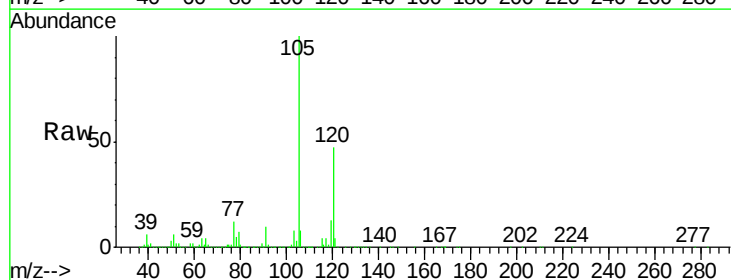
Manual Integrations
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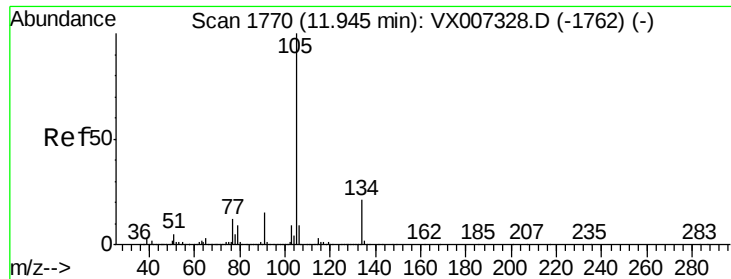
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.662 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	344720		
120	46.0	23.1	69.3	





#85

sec-Butylbenzene

Concen: 19.660 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBSD01

Tot Ion:105 Resp: 406833

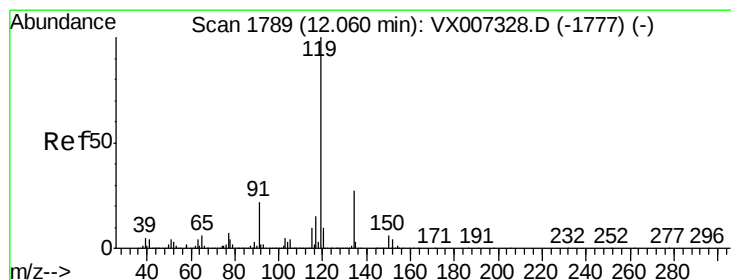
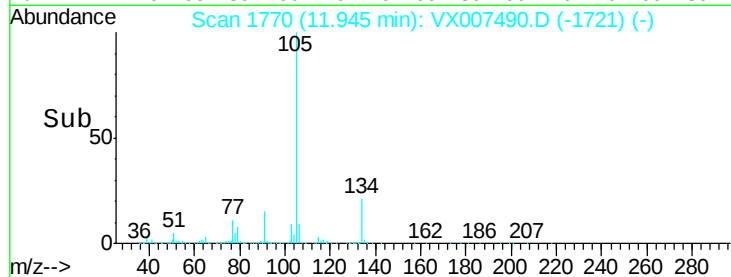
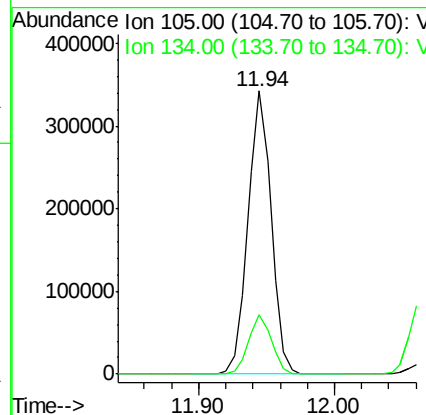
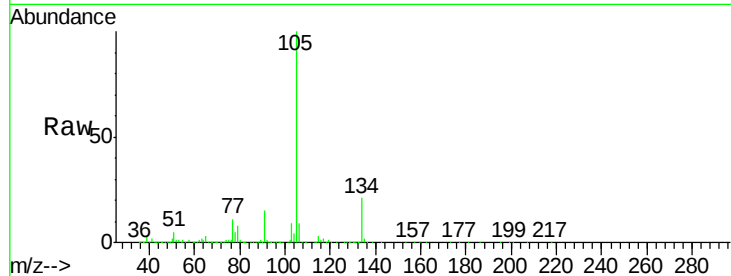
Ion Ratio Lower Upper

105 100

134 21.0 10.6 31.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.302 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

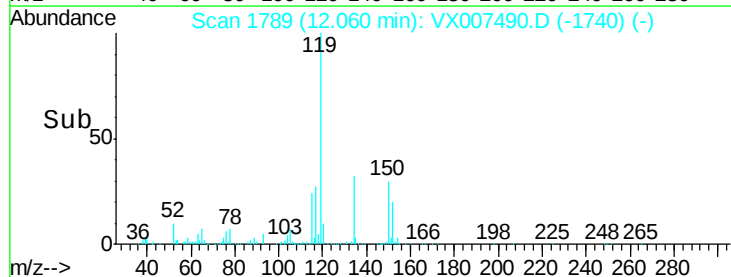
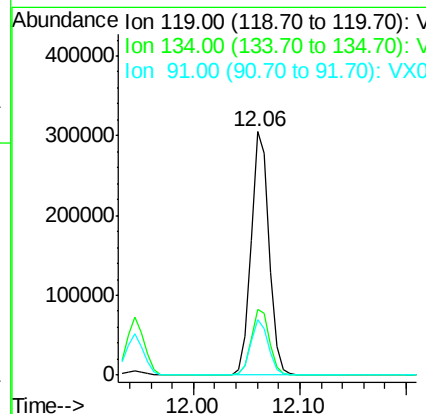
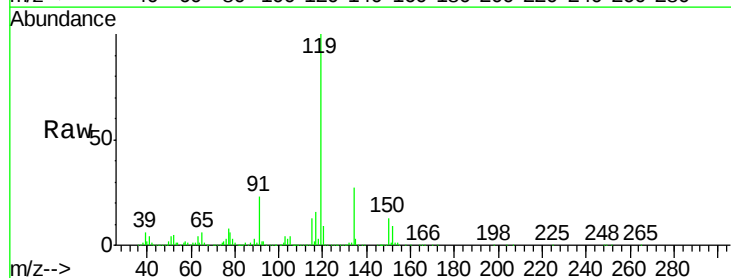
Tgt Ion:119 Resp: 360561

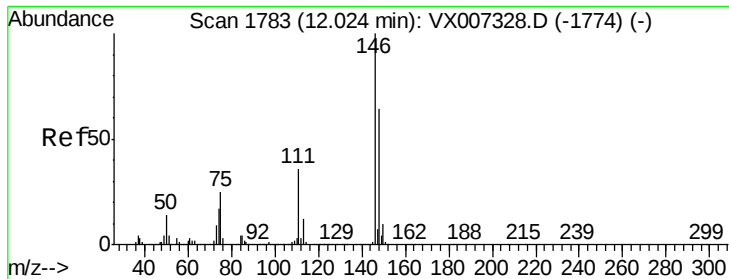
Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.1

91 22.3 11.2 33.5





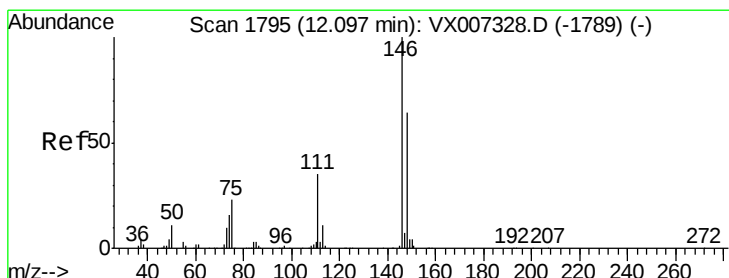
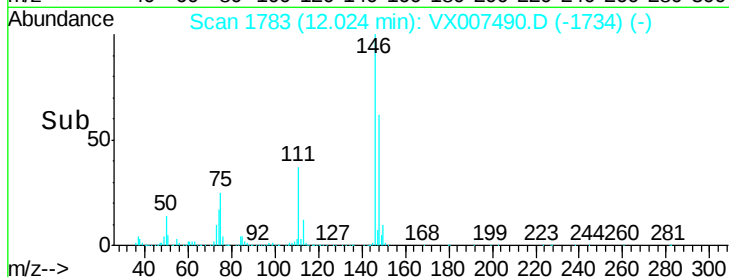
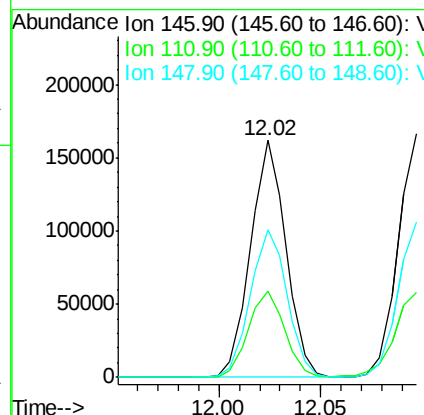
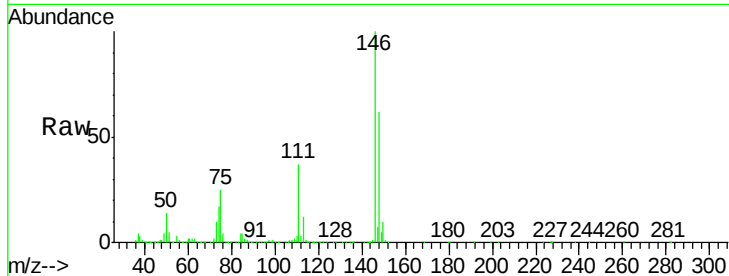
#87
 1,3-Dichlorobenzene
 Concen: 18.282 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007490.D
 Acq: 12 Feb 2019 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	64.7	32.0	96.2

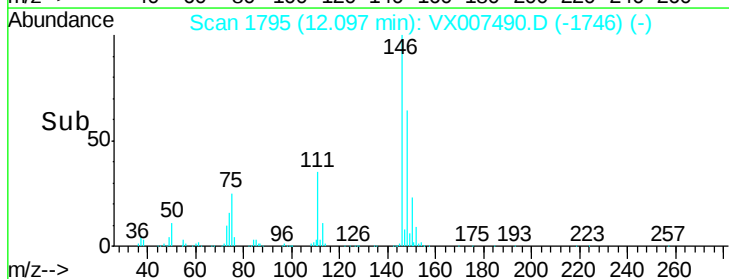
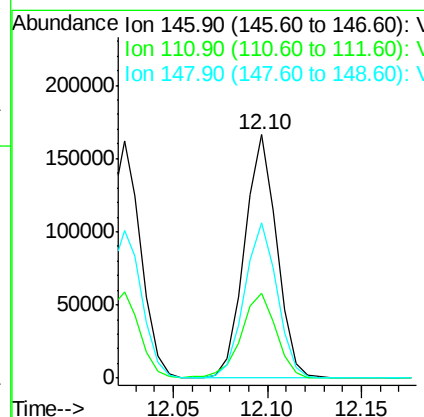
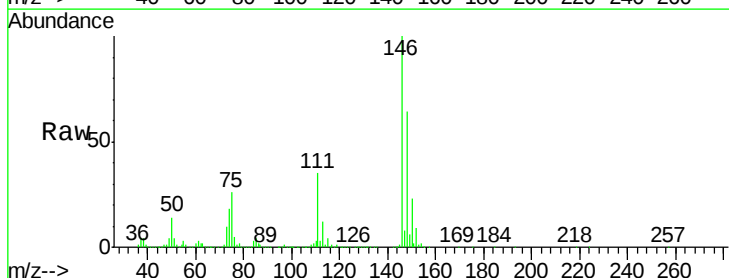
Manual Integrations
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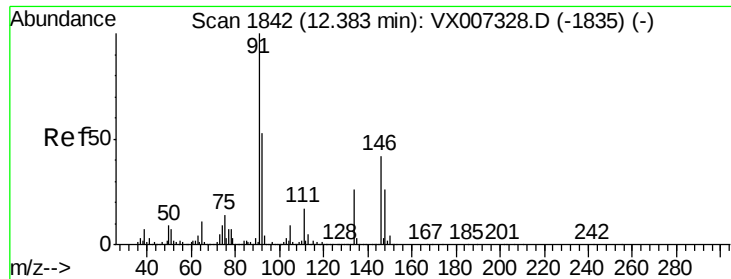
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#88
 1,4-Dichlorobenzene
 Concen: 18.099 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007490.D
 Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.1
148	65.2	32.3	96.9





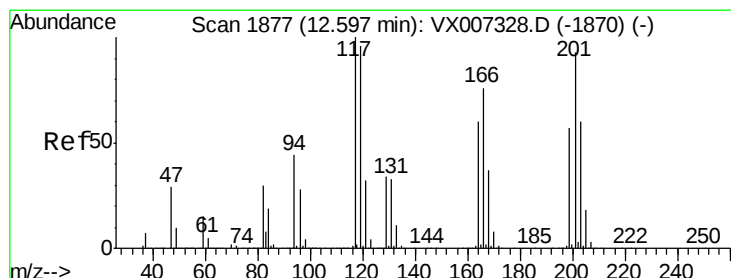
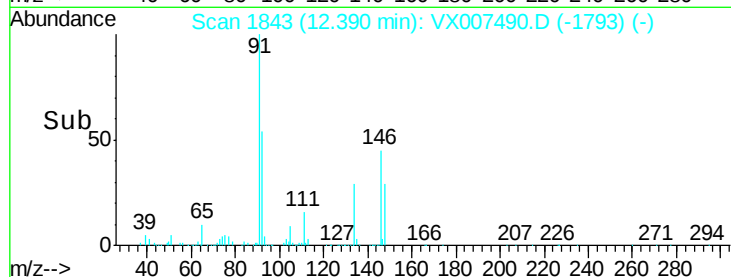
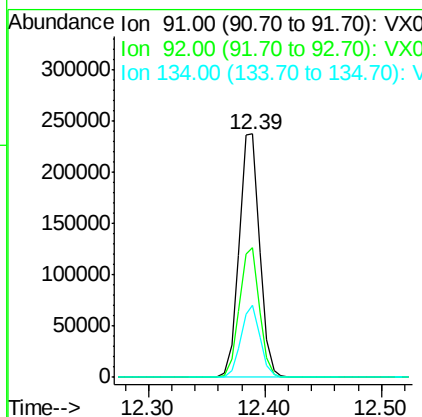
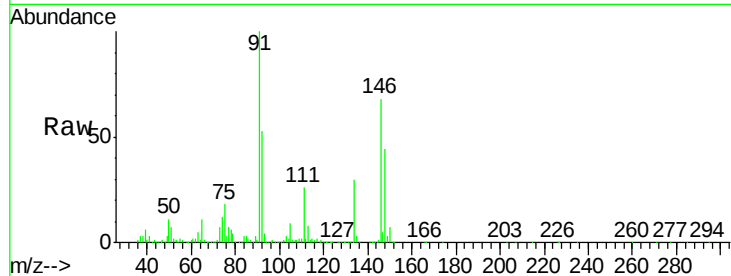
#89
n-Butylbenzene
Concen: 18.203 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	27.8	13.9	41.6

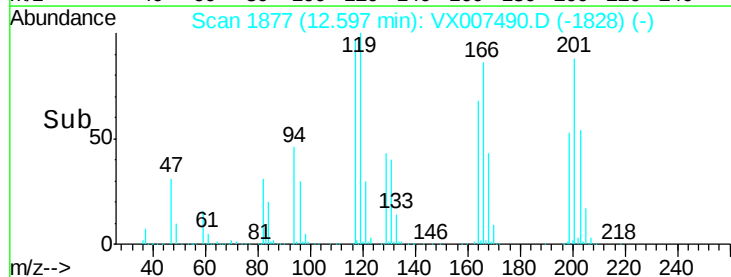
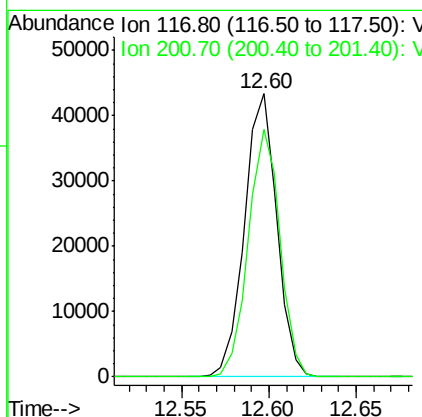
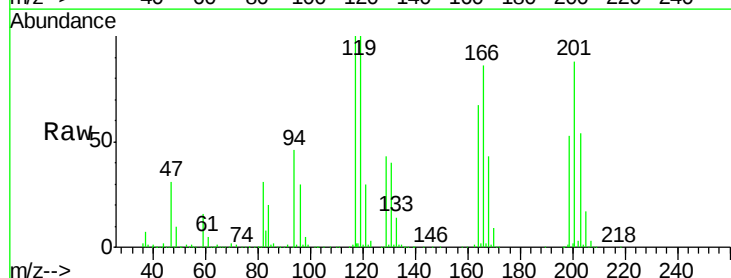
Manual Integrations
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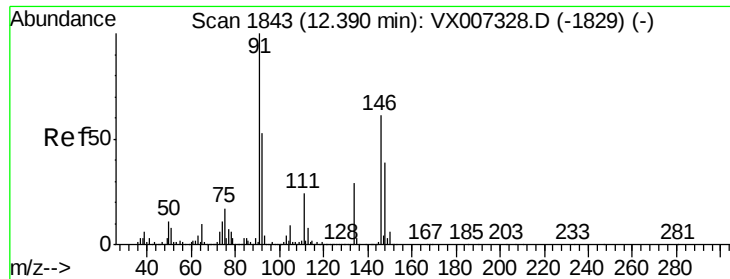
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#90
Hexachloroethane
Concen: 19.937 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007490.D
Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	44.9	134.7





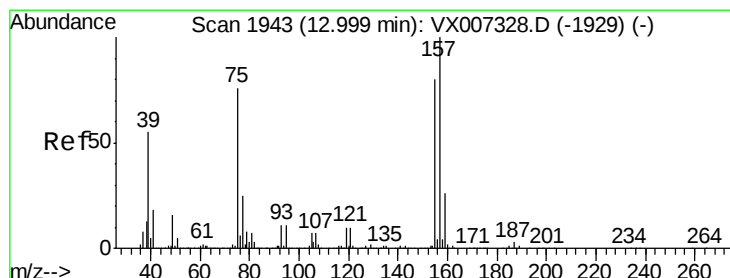
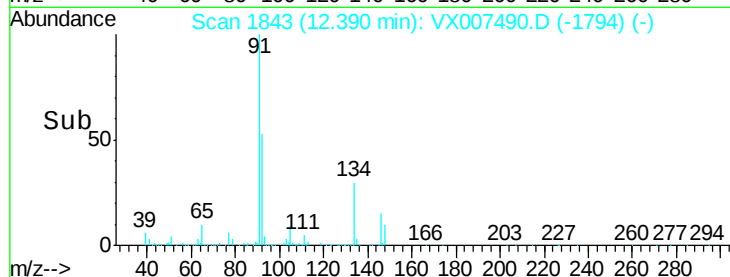
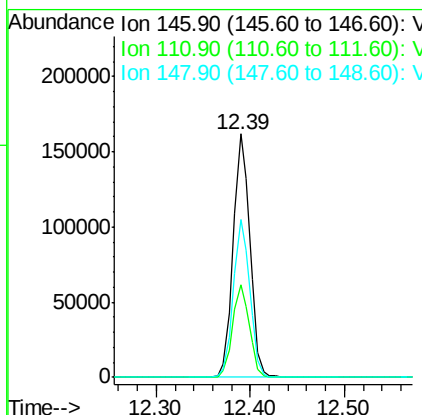
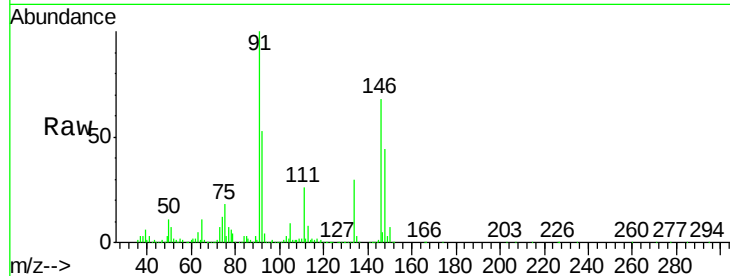
#91
 1,2-Dichlorobenzene
 Concen: 18.750 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007490.D
 Acq: 12 Feb 2019 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199163		
111	38.3	19.1	57.3	
148	64.0	32.1	96.3	

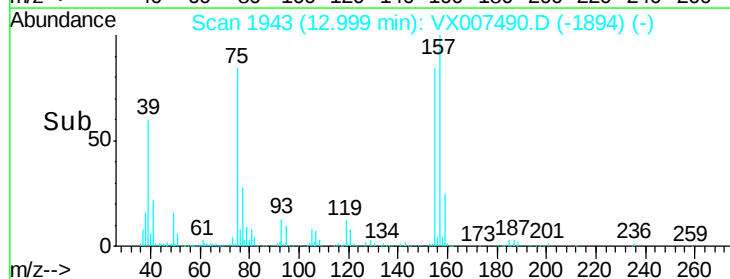
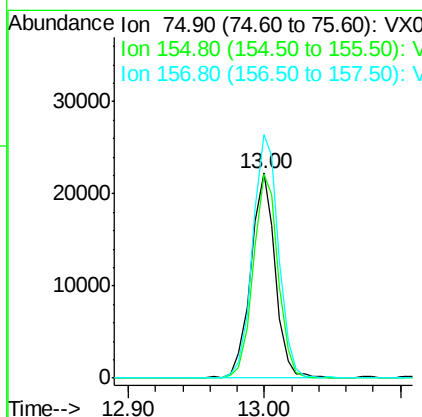
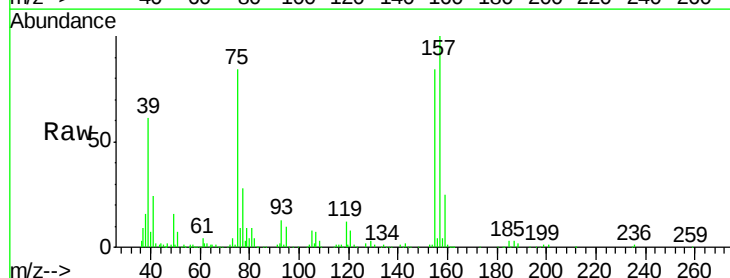
Manual Integrations
 APPROVED

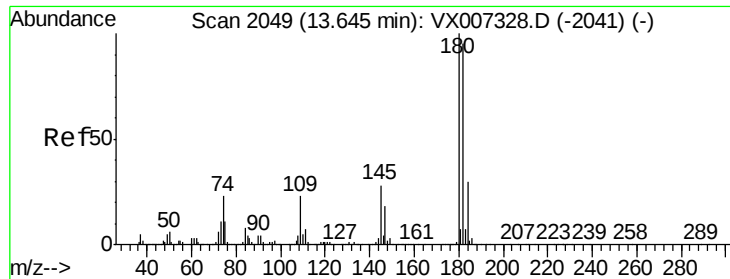
MMDadoda
 2/13/2019 12:01:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.957 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007490.D
 Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28033		
155	101.0	49.6	149.0	
157	125.6	65.1	195.3	





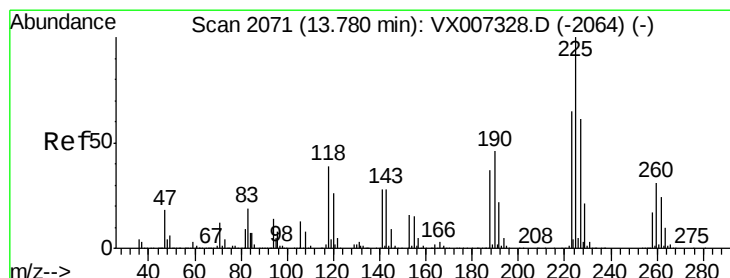
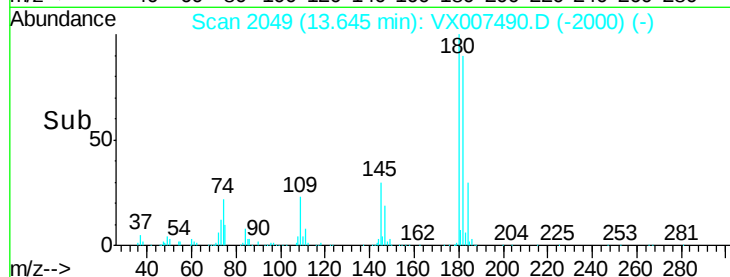
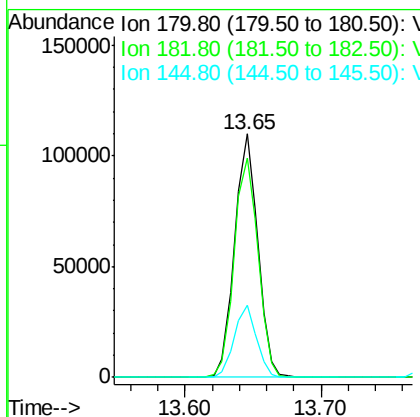
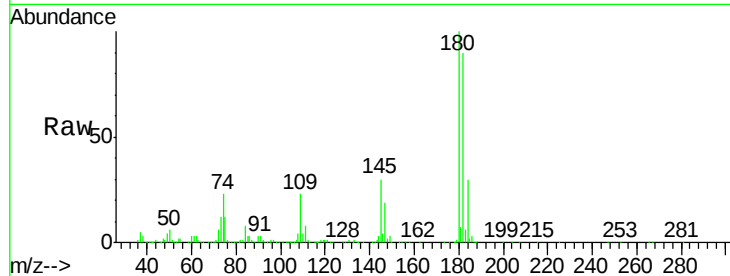
#93
 1,2,4-Trichlorobenzene
 Concen: 18.200 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007490.D
 Acq: 12 Feb 2019 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130376		
182	93.1	47.8	143.3	
145	28.7	14.1	42.2	

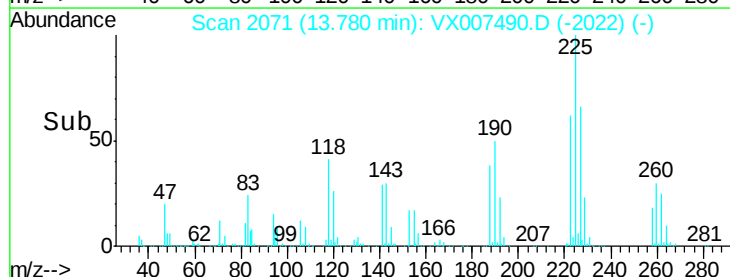
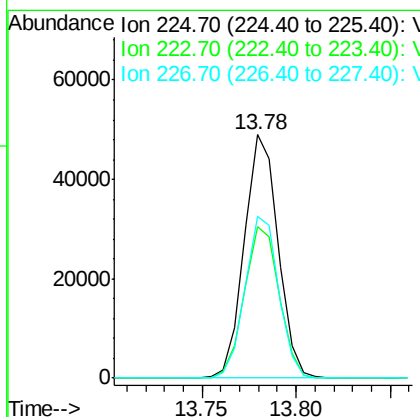
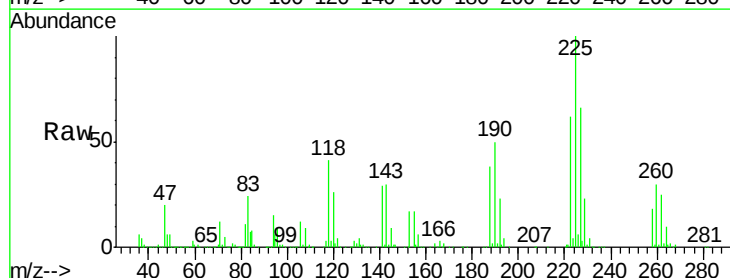
Manual Integrations
 APPROVED

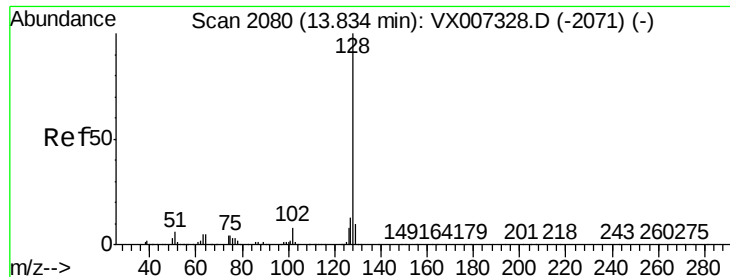
MMDadoda
 2/13/2019 12:01:00 PM



#94
 Hexachlorobutadiene
 Concen: 17.495 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007490.D
 Acq: 12 Feb 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60856		
223	64.2	31.6	94.8	
227	66.2	32.1	96.3	





#95

Naphthalene

Concen: 19.748 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Instrument :

MSVOA_X

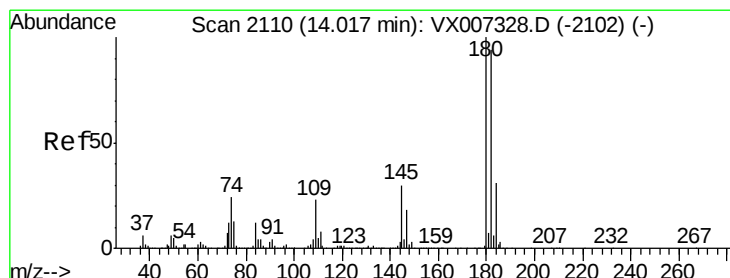
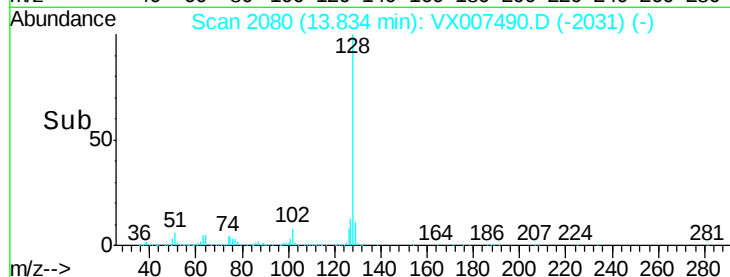
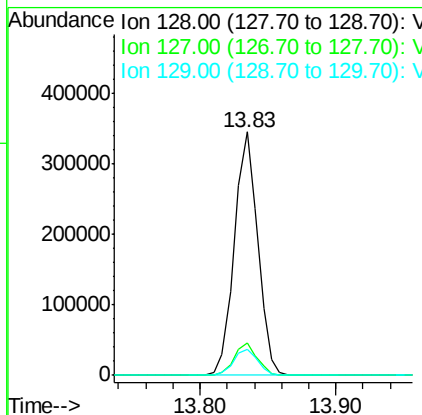
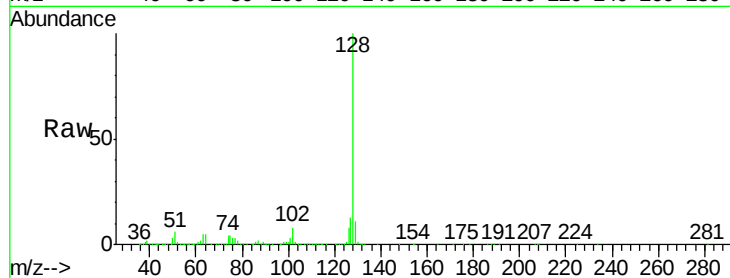
ClientSampleId :

VX0212WBSD01

Tot Ion:	128	Resp:	413692
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/13/2019 12:01:00 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.596 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007490.D

Acq: 12 Feb 2019 15:56

Tgt Ion:	180	Resp:	134093
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.5	142.6
145	30.2	14.9	44.5

