

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011019\
 Data File : VX006987.D
 Acq On : 10 Jan 2019 14:01
 Operator : JC/MD
 Sample : VX0110WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 11:42:31 AM

Quant Time: Jan 11 07:40:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	522176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	788878	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	709896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	354049	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	280183	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	5.51	113	248440	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	8.71	98	929598	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	11.13	95	322149	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	95614	22.298	ug/l	100
3) Chloromethane	1.33	50	103818	20.797	ug/l	97
4) Vinyl Chloride	1.41	62	108586	20.222	ug/l	99
5) Bromomethane	1.64	94	114434	19.946	ug/l	98
6) Chloroethane	1.72	64	70846	18.895	ug/l	97
7) Trichlorofluoromethane	1.93	101	175695	20.250	ug/l	97
8) Diethyl Ether	2.19	74	67908	19.673	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	102644	19.760	ug/l	98
10) Methyl Iodide	2.51	142	139107	19.853	ug/l	100
11) Tert butyl alcohol	3.07	59	138019	107.215	ug/l	100
12) 1,1-Dichloroethene	2.37	96	95700	19.941	ug/l	98
13) Acrolein	2.30	56	49085	90.403	ug/l	94
14) Allyl chloride	2.73	41	162993	19.817	ug/l	97
15) Acrylonitrile	3.15	53	310487	105.064	ug/l	99
16) Acetone	2.45	43	279484	103.595	ug/l	98
17) Carbon Disulfide	2.57	76	224956	18.206	ug/l	97
18) Methyl Acetate	2.78	43	163578	20.937	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	339585	20.386	ug/l	98
20) Methylene Chloride	2.85	84	111560	21.417	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	103878	19.423	ug/l	98
22) Diisopropyl ether	3.87	45	313686	20.287	ug/l	98
23) Vinyl Acetate	3.82	43	1300317	99.717	ug/l	100
24) 1,1-Dichloroethane	3.70	63	174708	20.206	ug/l	99
25) 2-Butanone	4.70	43	411408	106.576	ug/l	100
26) 2,2-Dichloropropane	4.58	77	119756	18.012	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	116045	19.671	ug/l	99
28) Bromochloromethane	5.02	49	78624	20.755	ug/l	97
29) Tetrahydrofuran	5.15	42	265277	105.744	ug/l	98
30) Chloroform	5.22	83	184024	20.328	ug/l	99
31) Cyclohexane	5.57	56	155426	20.197	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	150678	19.637	ug/l	97
36) 1,1-Dichloropropene	5.80	75	132523	19.322	ug/l	99
37) Ethyl Acetate	4.85	43	151037	20.541	ug/l	98
38) Carbon Tetrachloride	5.79	117	127922	18.538	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
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Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 11:42:31 AM

Quant Time: Jan 11 07:40:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	165008	18.872	ug/l	98
40) Benzene	6.14	78	413918	19.778	ug/l	97
41) Methacrylonitrile	5.06	41	83594	19.734	ug/l	98
42) 1,2-Dichloroethane	6.20	62	141302	19.539	ug/l	99
43) Isopropyl Acetate	6.46	43	232509	20.046	ug/l	98
44) Trichloroethene	7.21	130	121300	19.342	ug/l	94
45) 1,2-Dichloropropane	7.52	63	103174	19.610	ug/l	99
46) Dibromomethane	7.66	93	72471	19.599	ug/l	99
47) Bromodichloromethane	7.90	83	121241	19.263	ug/l	98
48) Methyl methacrylate	7.77	41	115809	19.443	ug/l	98
49) 1,4-Dioxane	7.76	88	60109	437.073	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	782505	104.979	ug/l	99
52) Toluene	8.78	92	262549	19.519	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	129079	18.495	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	148169	19.224	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	112254	20.850	ug/l	97
56) Ethyl methacrylate	9.18	69	159480	20.290	ug/l	96
57) 1,3-Dichloropropane	9.37	76	179032	20.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	389104	96.284	ug/l	99
59) 2-Hexanone	9.49	43	588815	103.659	ug/l	99
60) Dibromochloromethane	9.59	129	104207	19.933	ug/l	98
61) 1,2-Dibromoethane	9.67	107	118522	19.996	ug/l	100
64) Tetrachloroethene	9.34	164	120005	19.525	ug/l	98
65) Chlorobenzene	10.14	112	304222	19.649	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	102588	19.696	ug/l	99
67) Ethyl Benzene	10.25	91	496854	19.438	ug/l	100
68) m/p-Xylenes	10.36	106	390121	38.739	ug/l	98
69) o-Xylene	10.70	106	190706	19.417	ug/l	98
70) Styrene	10.71	104	304379	19.568	ug/l	99
71) Bromoform	10.86	173	72507	18.816	ug/l #	99
73) Isopropylbenzene	11.02	105	507980	20.347	ug/l	100
74) N-amyl acetate	10.90	43	200901	19.987	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	161768	20.411	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	149780m	20.876	ug/l	
77) Bromobenzene	11.26	156	138900	20.192	ug/l	99
78) n-propylbenzene	11.36	91	557863	20.355	ug/l	99
79) 2-Chlorotoluene	11.42	91	329145	19.951	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	415931	19.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	35993	17.777	ug/l	90
82) 4-Chlorotoluene	11.51	91	376188	19.694	ug/l	99
83) tert-Butylbenzene	11.77	119	407547	19.581	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	433292	20.656	ug/l	100
85) sec-Butylbenzene	11.94	105	504112	20.281	ug/l	99
86) p-Isopropyltoluene	12.07	119	447091	20.109	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	239783	19.285	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	240759	20.523	ug/l	99
89) n-Butylbenzene	12.39	91	368911	19.464	ug/l	99
90) Hexachloroethane	12.60	117	59866	18.794	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	241717	19.700	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31902	20.352	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	159014	18.889	ug/l	99
94) Hexachlorobutadiene	13.78	225	70516	18.876	ug/l	100
95) Naphthalene	13.83	128	506339	19.850	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	160043	19.138	ug/l	98

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

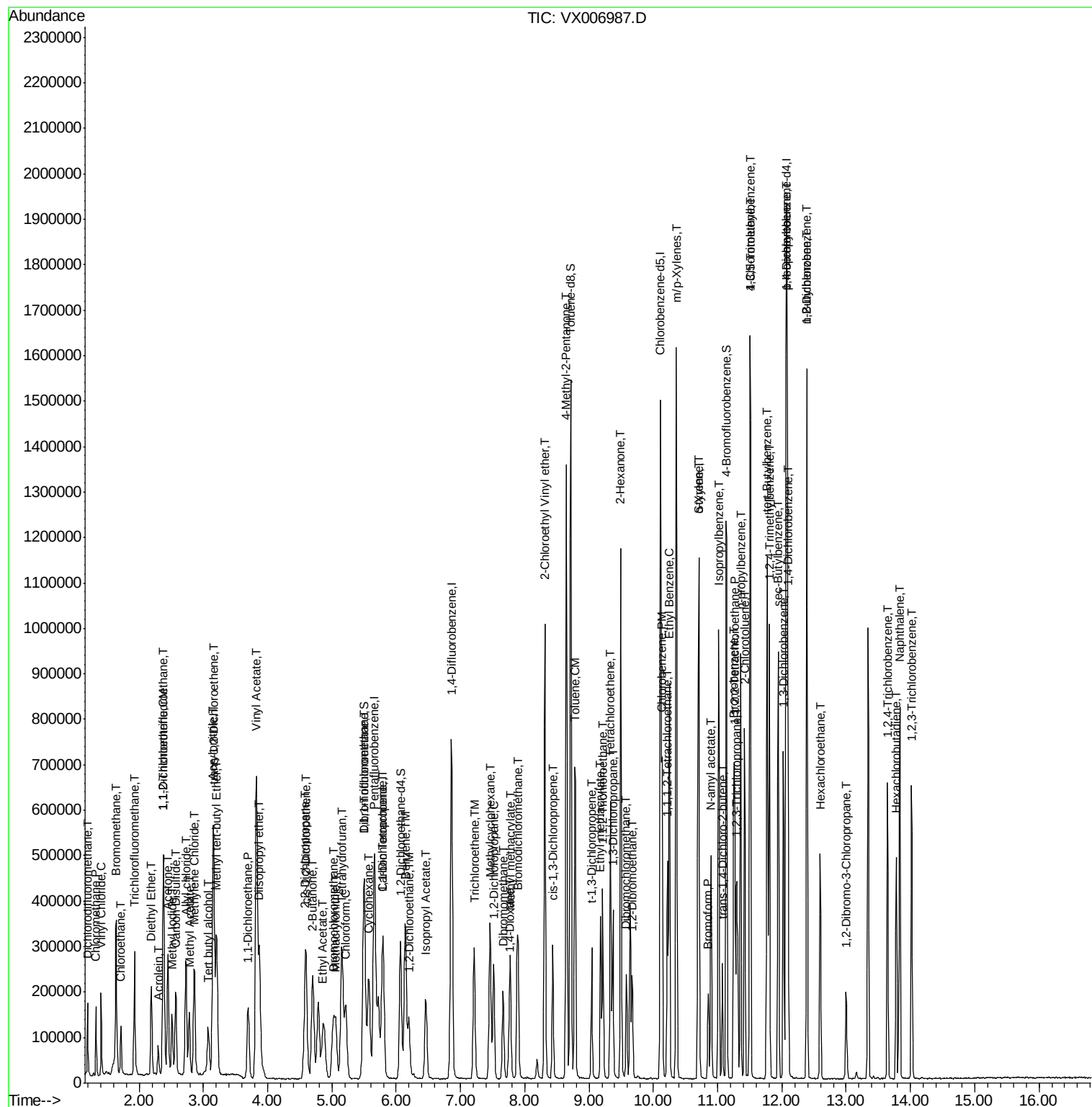
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011019\
Data File : VX006987.D
Acq On : 10 Jan 2019 14:01
Operator : JC/MD
Sample : VX0110WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

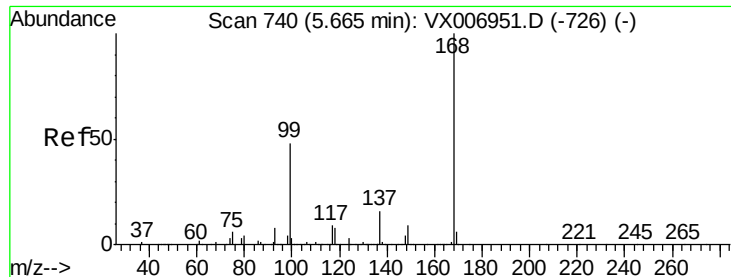
Instrument :
MSVOA_X
Client Sampled :
VX0110WBSD01

Manual Integrations
APPROVED

MMDadoda
1/11/2019 11:42:31 AM

Quant Time: Jan 11 07:40:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion:168 Resp: 522176

Ion Ratio Lower Upper

168 100

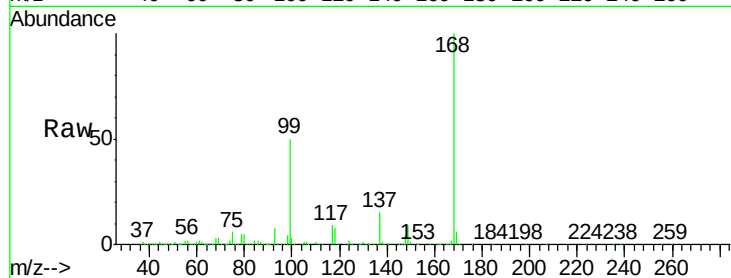
99 49.8 41.8 62.8

Manual Integrations

APPROVED

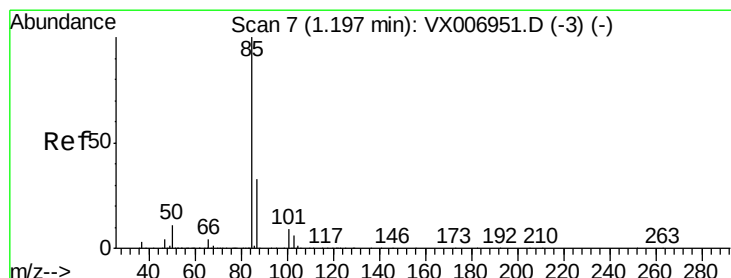
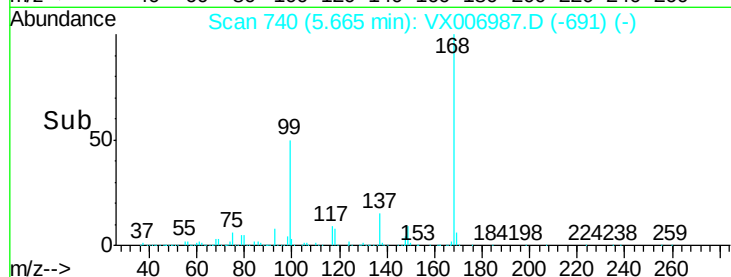
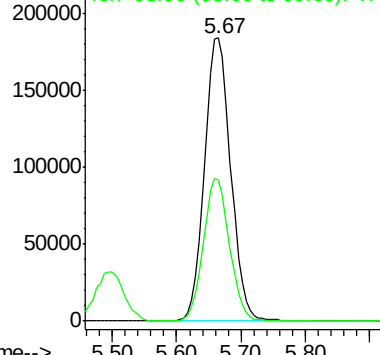
MMDadoda

1/11/2019 11:42:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.298 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006987.D

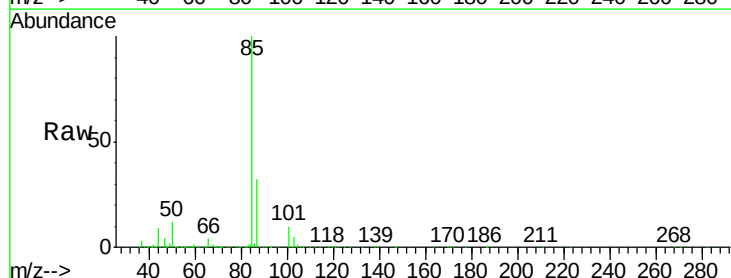
Acq: 10 Jan 2019 14:01

Tgt Ion: 85 Resp: 95614

Ion Ratio Lower Upper

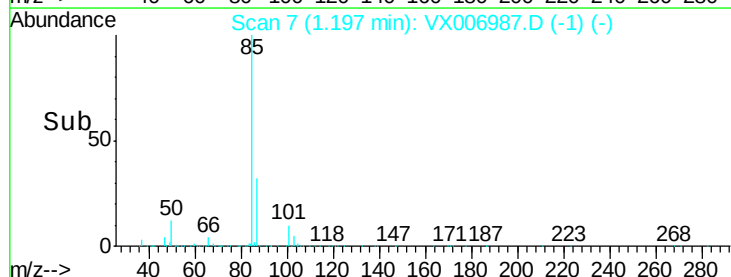
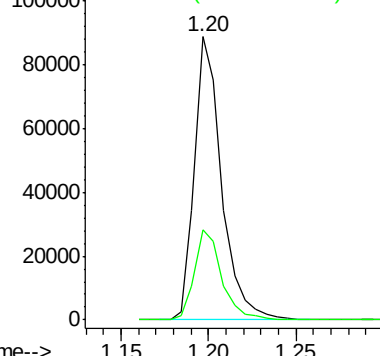
85 100

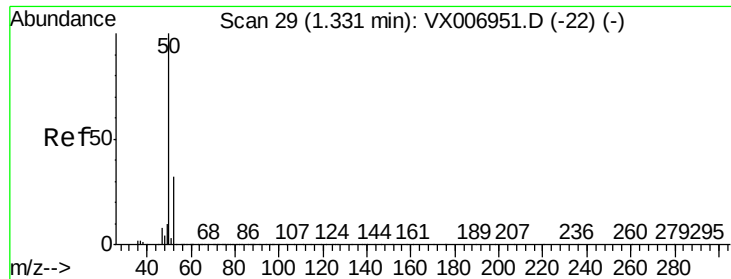
87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.797 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion: 50 Resp: 103818

Ion Ratio Lower Upper

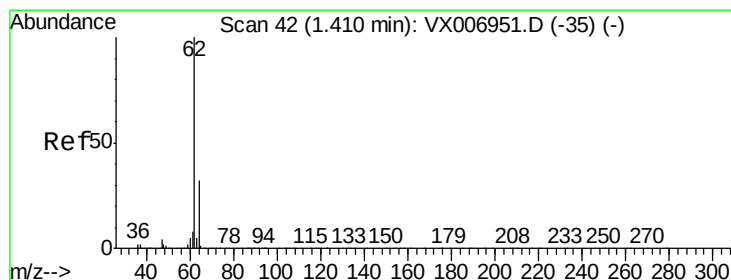
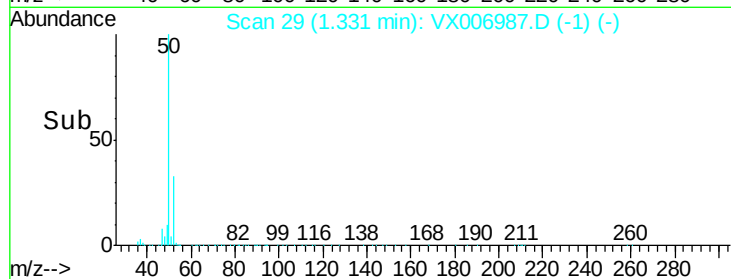
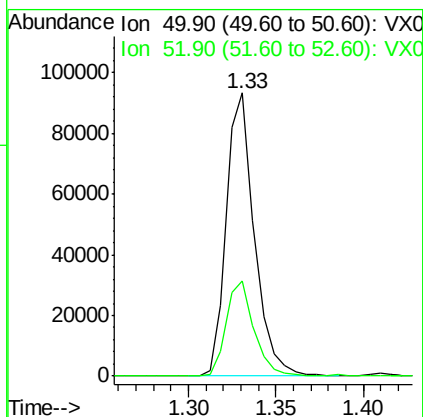
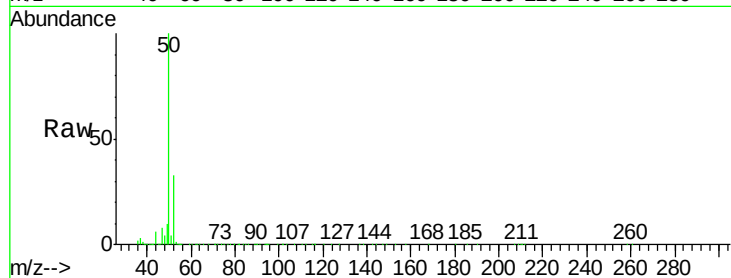
50 100

52 33.4 25.4 38.2

Manual Integrations
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1/11/2019 11:42:31 AM



#4

Vinyl Chloride

Concen: 20.222 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006987.D

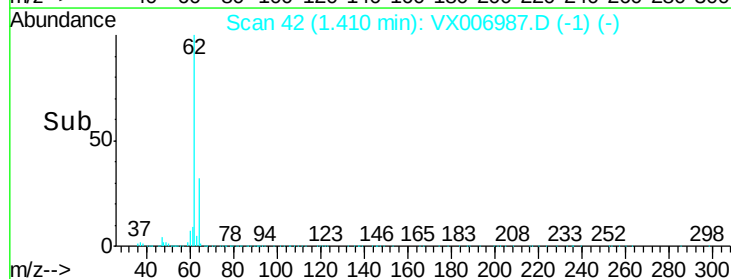
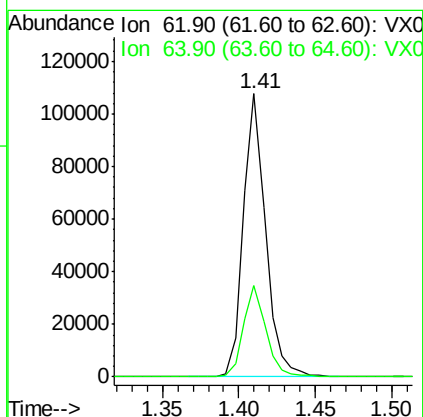
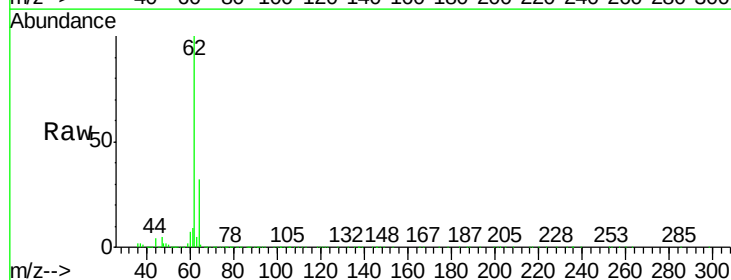
Acq: 10 Jan 2019 14:01

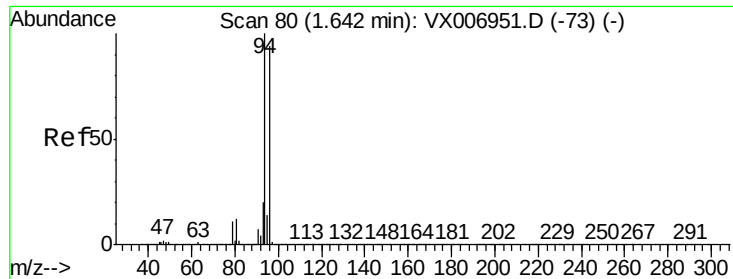
Tgt Ion: 62 Resp: 108586

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7





#5

Bromomethane

Concen: 19.946 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion: 94 Resp: 114434

Ion Ratio Lower Upper

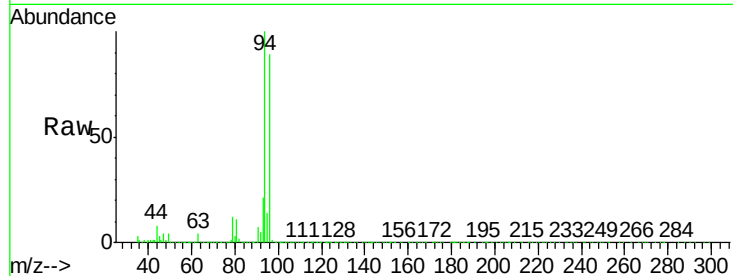
94 100

96 89.5 73.4 110.2

Manual Integrations
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1/11/2019 11:42:31 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

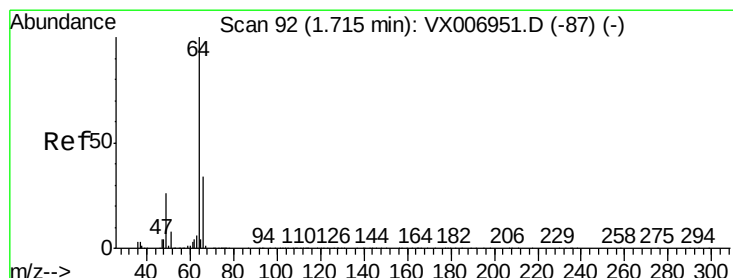
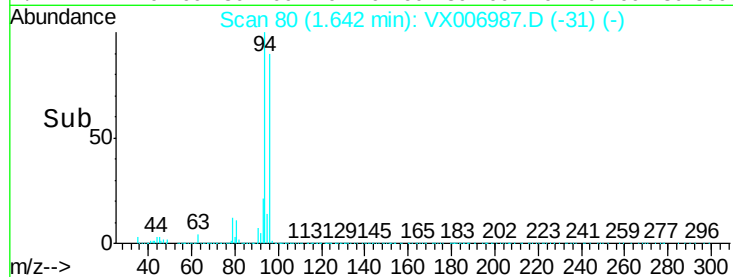
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 18.895 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006987.D

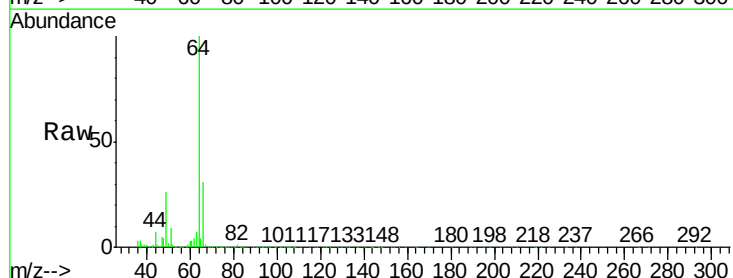
Acq: 10 Jan 2019 14:01

Tgt Ion: 64 Resp: 70846

Ion Ratio Lower Upper

64 100

66 31.4 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

60000

50000

40000

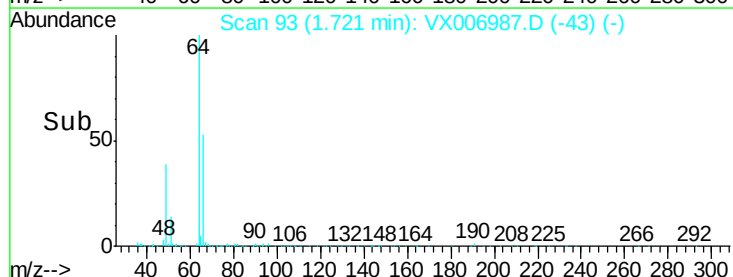
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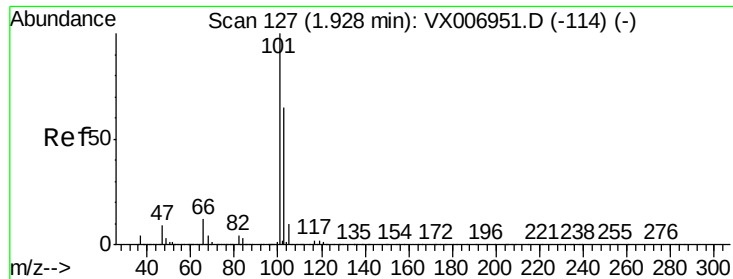
20000

10000

0

Time--> 1.65 1.70 1.75 1.80





#7

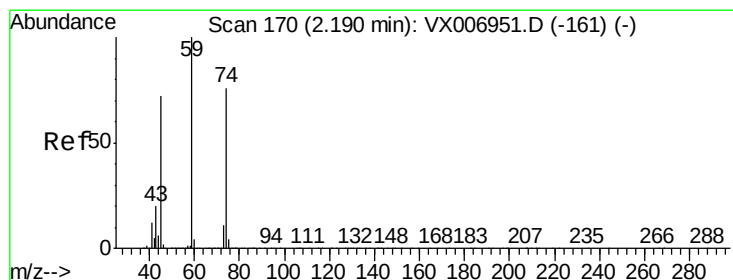
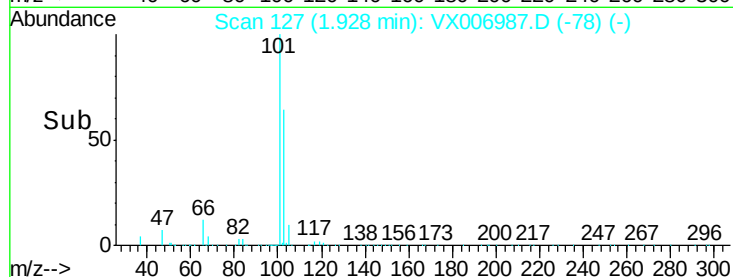
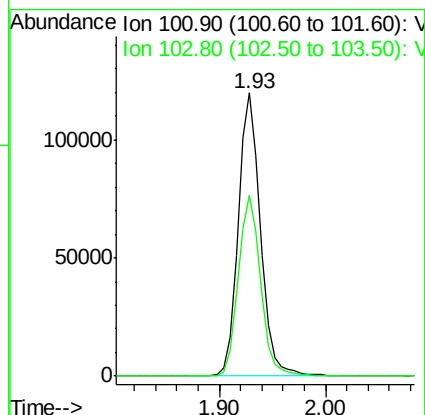
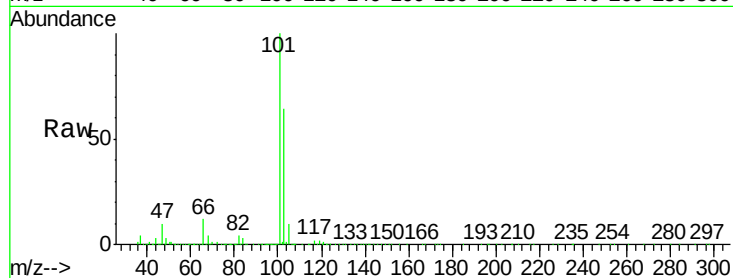
Trichlorofluoromethane
Concen: 20.250 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.2	79.8

Manual Integrations
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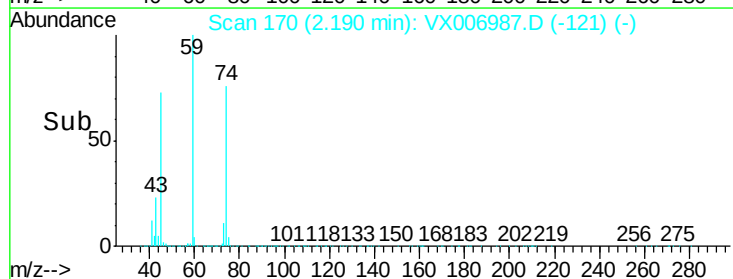
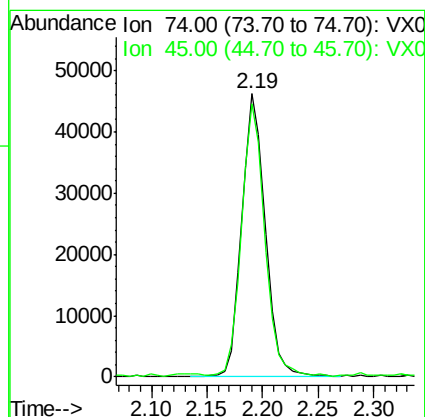
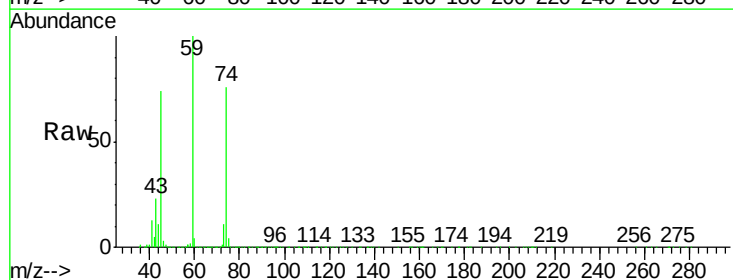
MMDadoda
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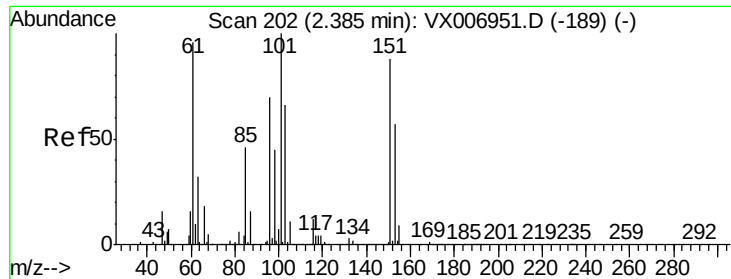


#8

Diethyl Ether
Concen: 19.673 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.760 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

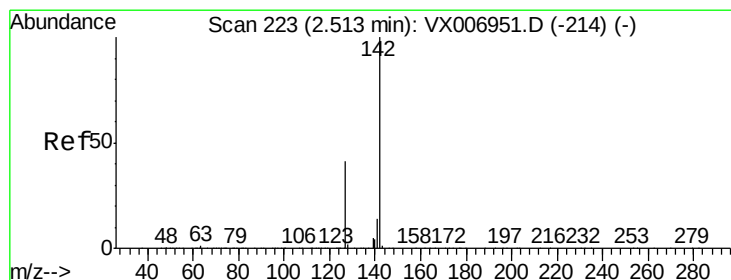
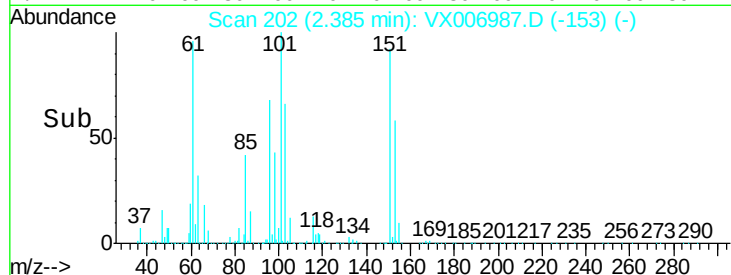
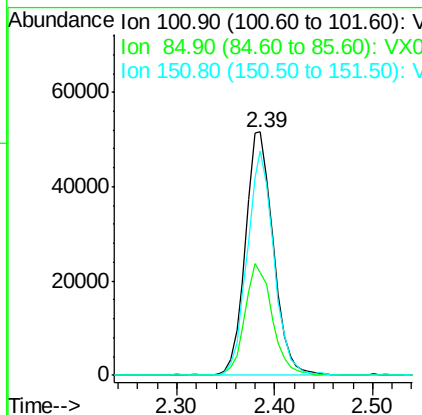
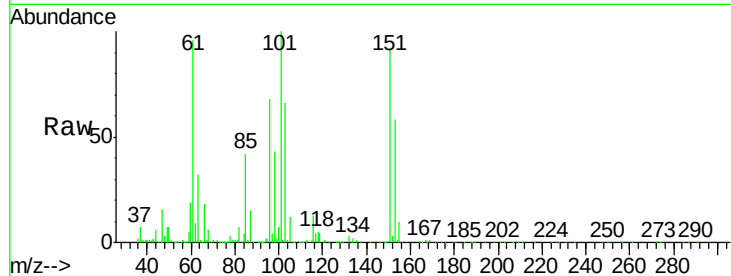
ClientSampled :

VX0110WBSD01

Tot Ion:	101	Resp:	102644
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.1	52.7
151	87.7	68.9	103.3

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#10

Methyl Iodide

Concen: 19.853 ug/l

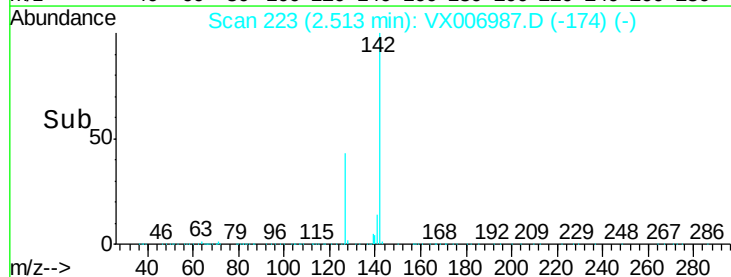
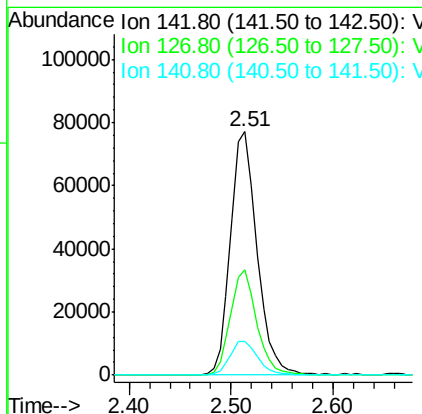
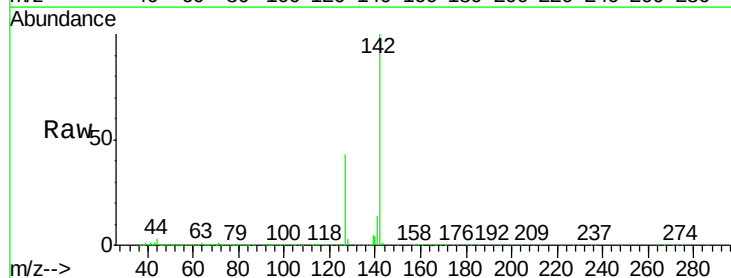
RT: 2.51 min Scan# 223

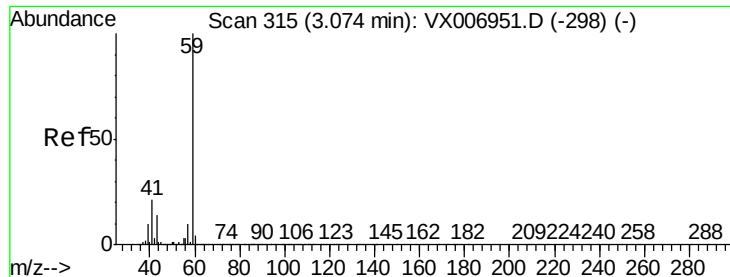
Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion:	142	Resp:	139107
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.9	50.9
141	14.7	11.4	17.0





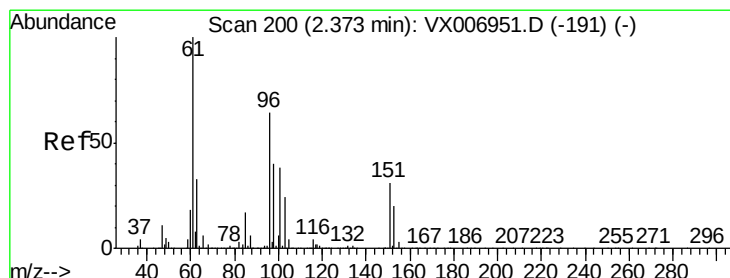
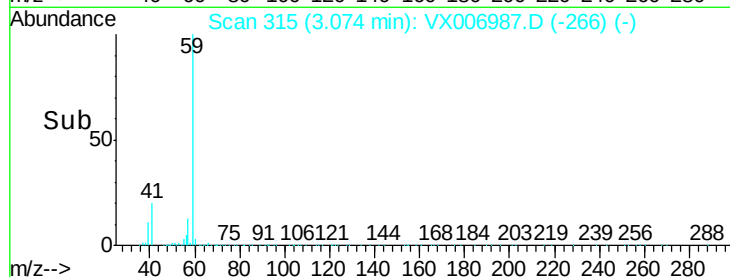
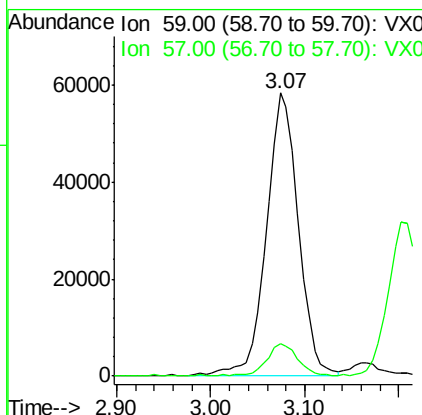
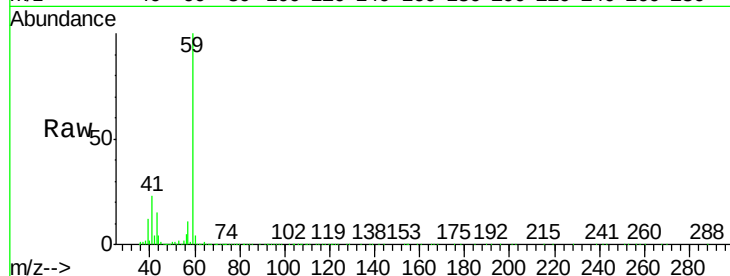
#11
Tert butyl alcohol
Concen: 107.215 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion: 59 Resp: 138019
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

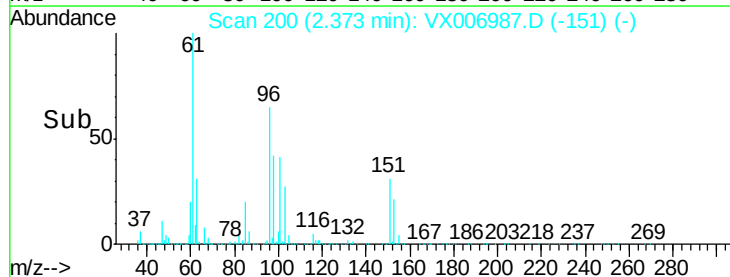
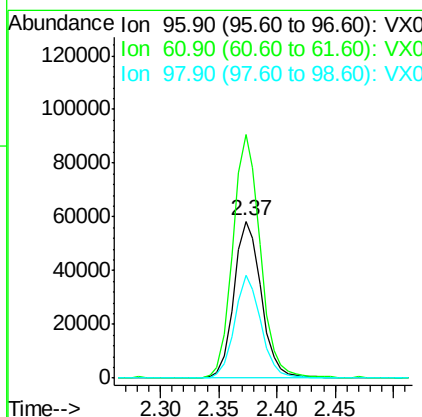
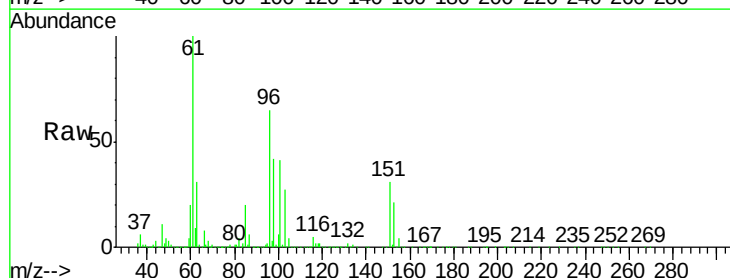
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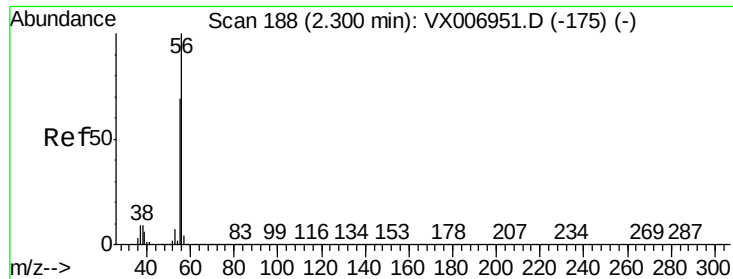
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.941 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion: 96 Resp: 95700
Ion Ratio Lower Upper
96 100
61 155.1 121.4 182.2
98 65.6 51.9 77.9





#13

Acrolein

Concen: 90.403 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion: 56 Resp: 49085

Ion Ratio Lower Upper

56 100

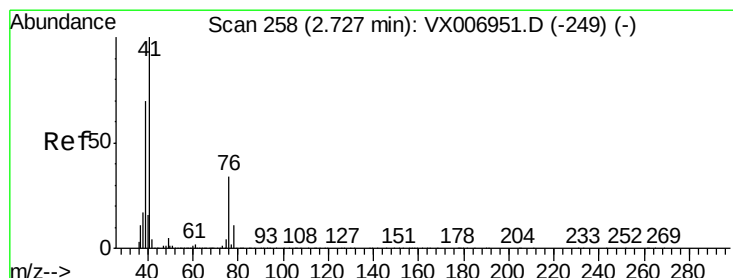
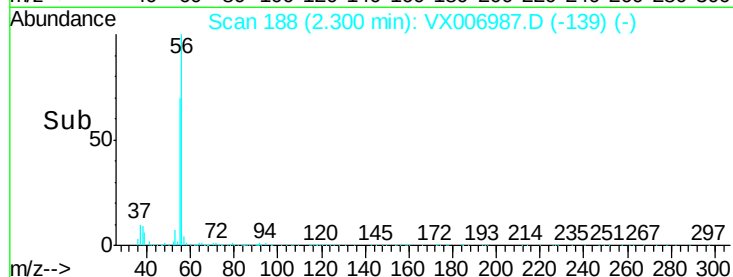
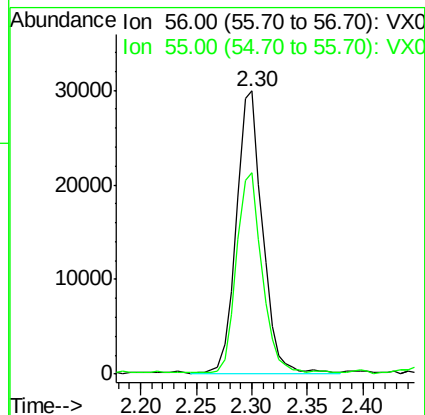
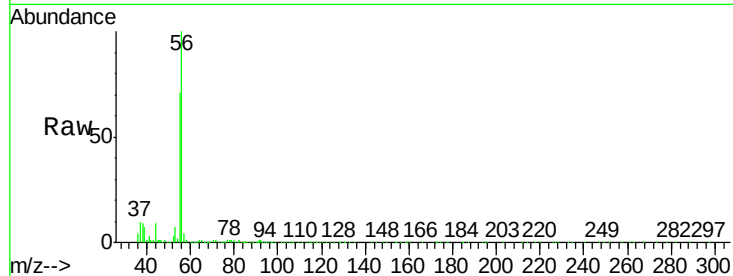
55 68.1 58.2 87.4

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#14

Allyl chloride

Concen: 19.817 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

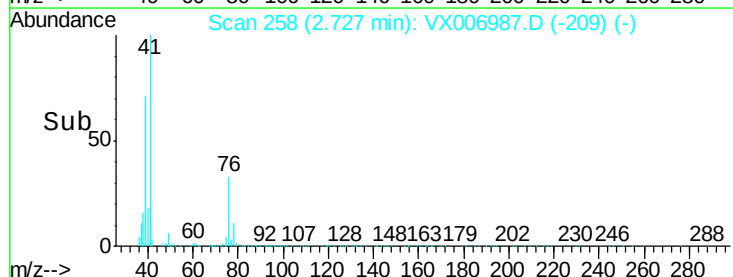
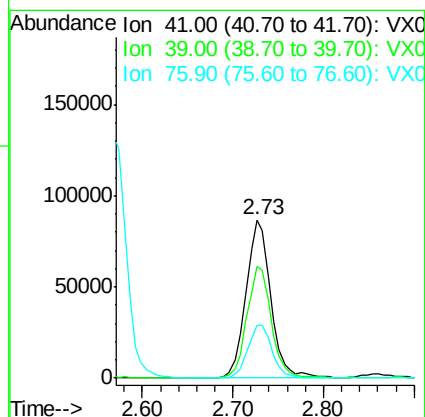
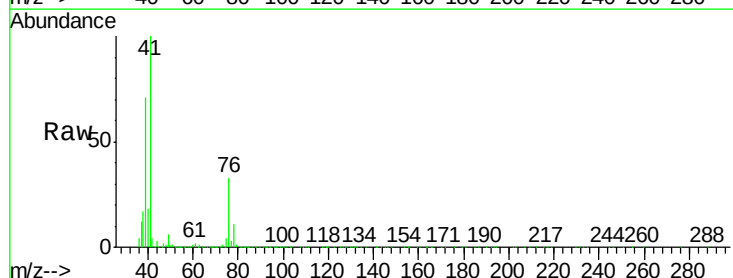
Tgt Ion: 41 Resp: 162993

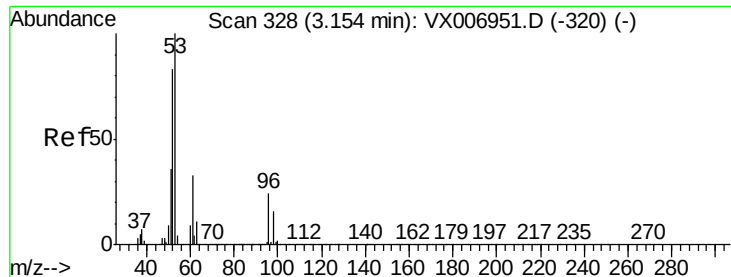
Ion Ratio Lower Upper

41 100

39 69.3 53.6 80.4

76 32.5 27.4 41.2





#15

Acrylonitrile

Concen: 105.064 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

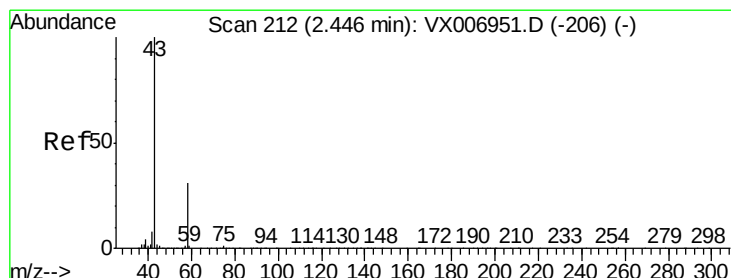
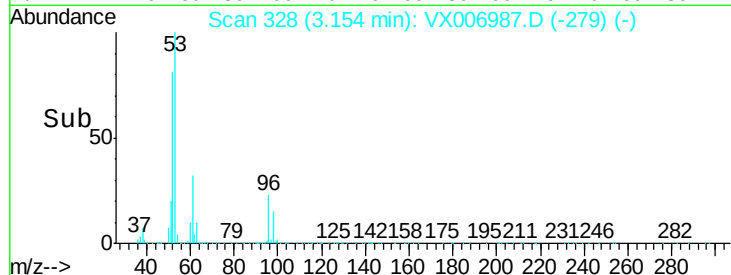
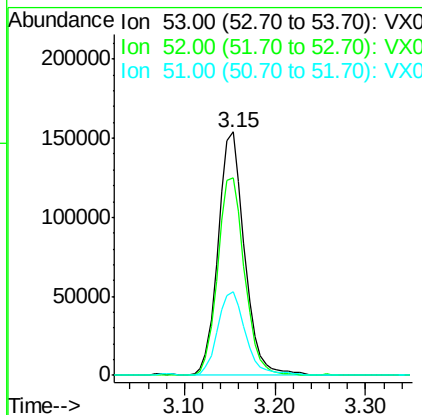
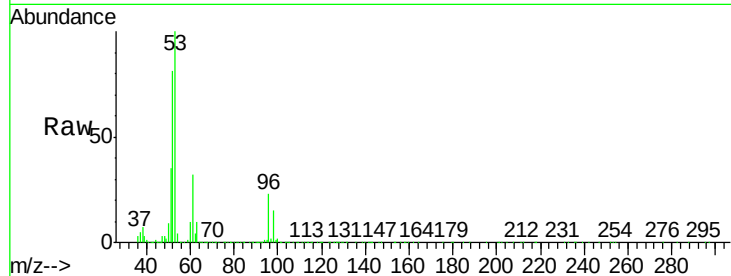
ClientSampleId :

VX0110WBSD01

Tot Ion:	53	Resp:	310487
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.0	99.0
51	36.4	28.6	42.8

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#16

Acetone

Concen: 103.595 ug/l

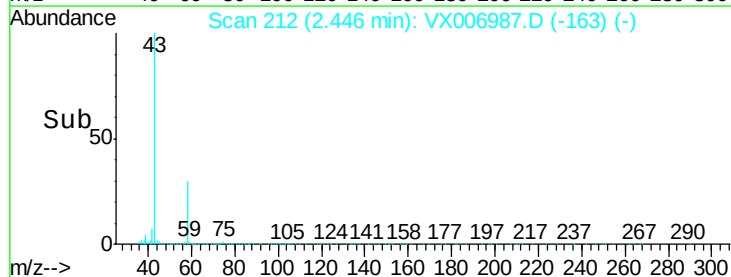
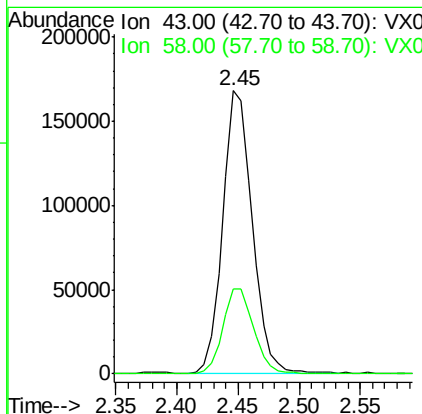
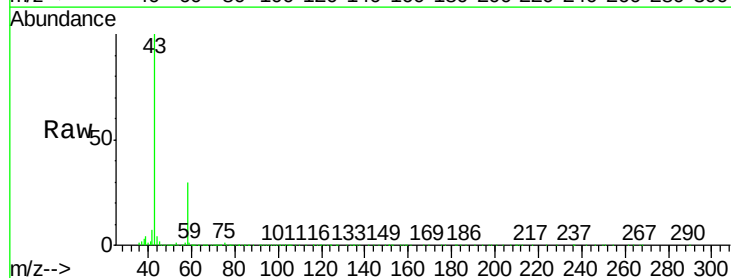
RT: 2.45 min Scan# 212

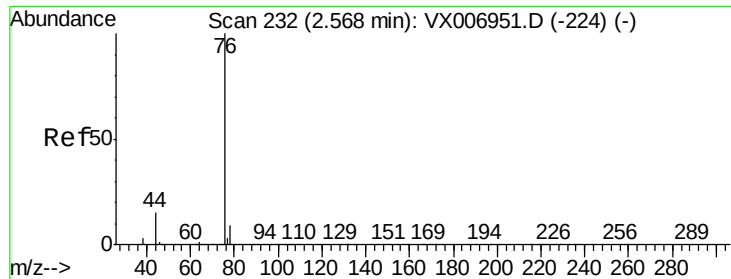
Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion:	43	Resp:	279484
Ion Ratio		Lower	Upper
43	100		
58	30.1	25.0	37.6





#17

Carbon Disulfide

Concen: 18.206 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion: 76 Resp: 224956

Ion Ratio Lower Upper

76 100

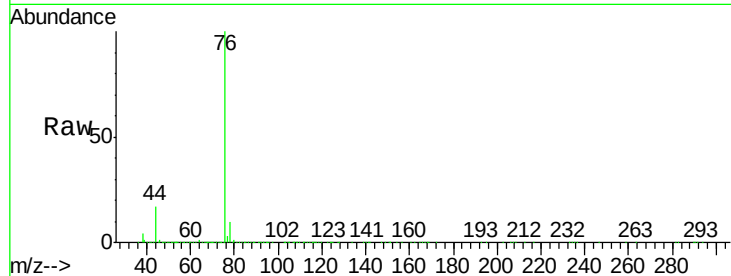
78 9.8 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

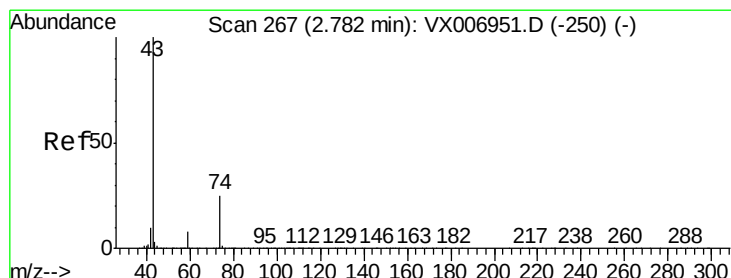
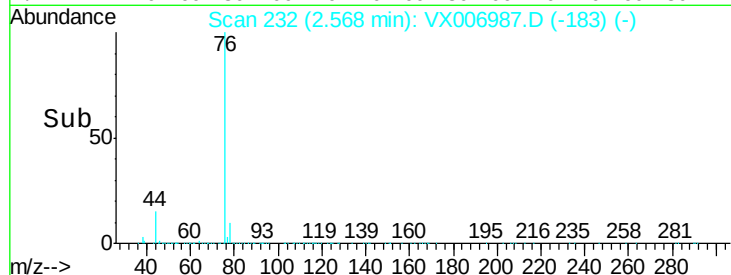
150000

100000

50000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 20.937 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006987.D

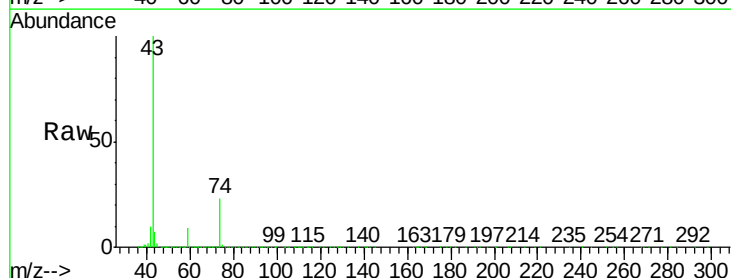
Acq: 10 Jan 2019 14:01

Tgt Ion: 43 Resp: 163578

Ion Ratio Lower Upper

43 100

74 23.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

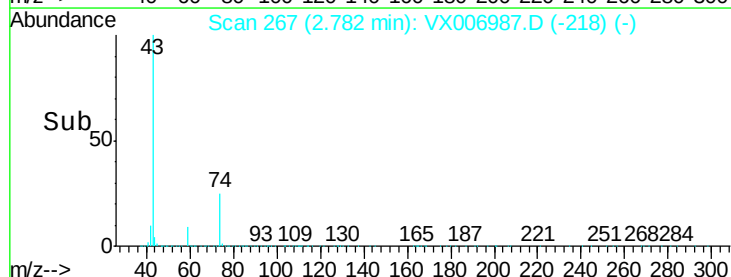
60000

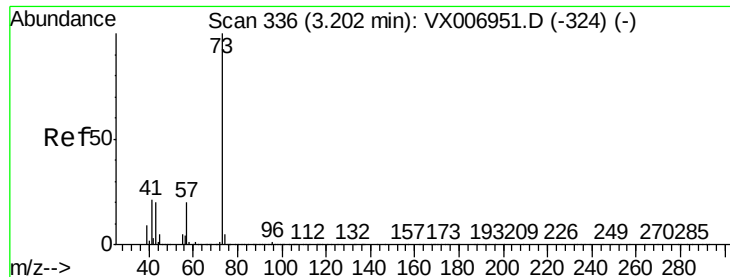
40000

20000

0

Time--> 2.70 2.75 2.80 2.85





#19

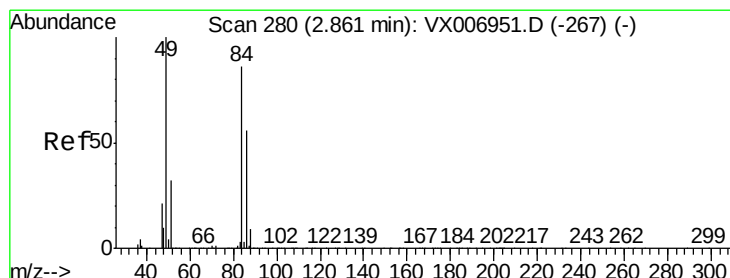
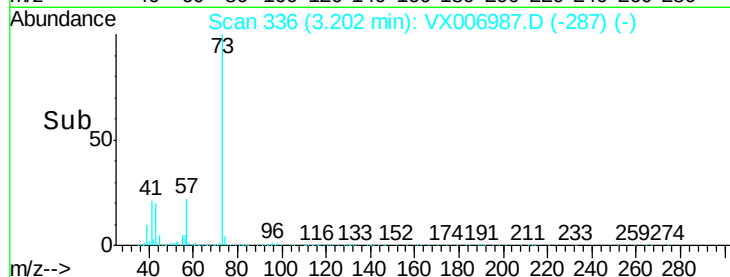
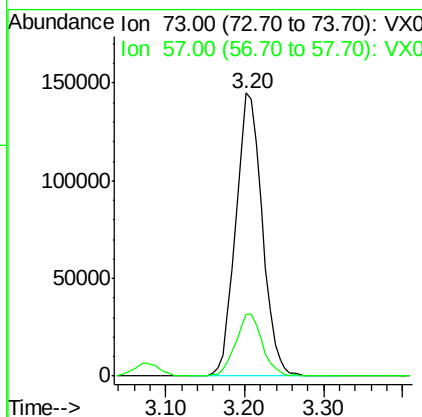
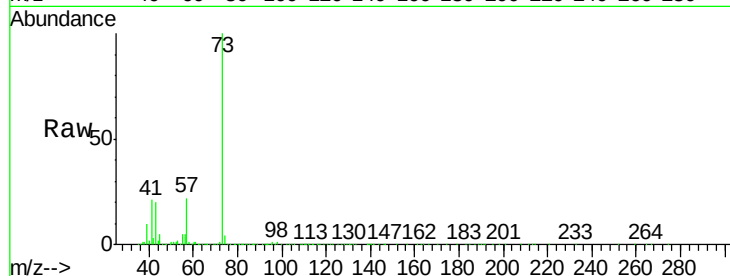
Methyl tert-butyl Ether
 Concen: 20.386 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	16.8	25.2

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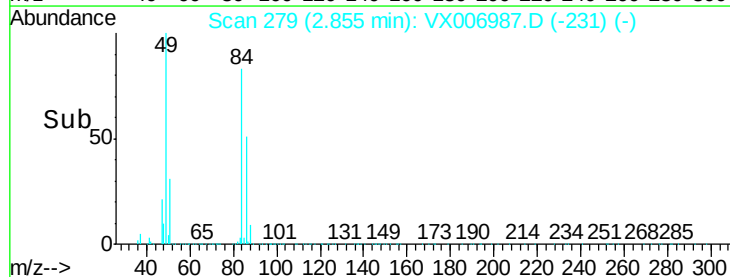
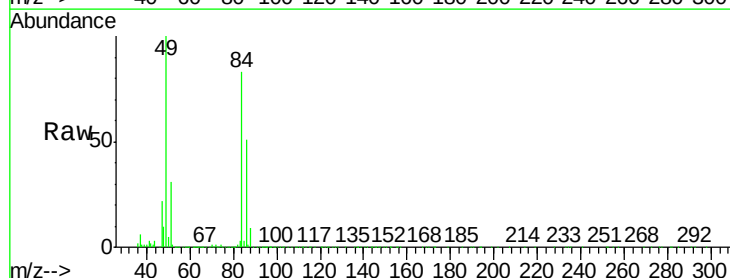
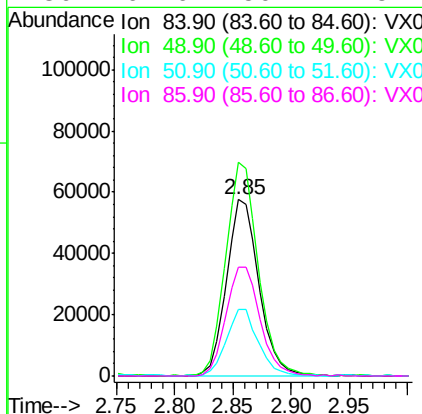
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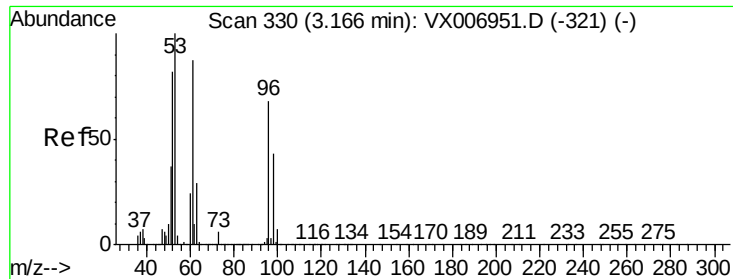


#20

Methylene Chloride
 Concen: 21.417 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.5	91.8	137.6
51	37.2	28.5	42.7
86	61.6	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 19.423 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion: 96 Resp: 103878

Ion Ratio Lower Upper

96 100

61 128.9 103.7 155.5

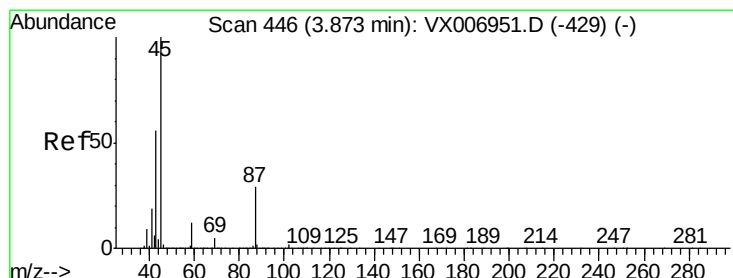
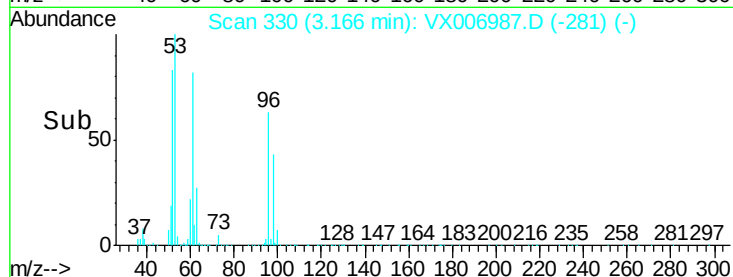
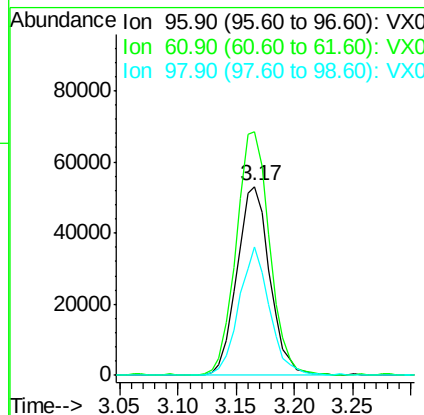
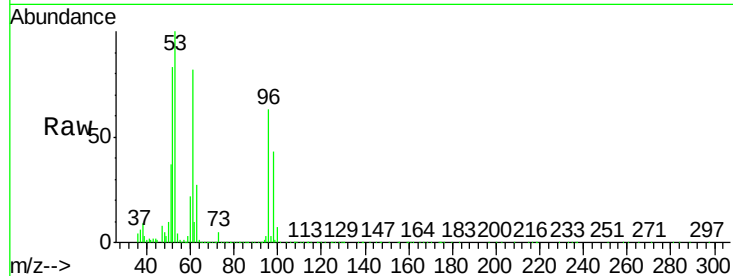
98 68.0 51.0 76.6

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#22

Diisopropyl ether

Concen: 20.287 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.01 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion: 45 Resp: 313686

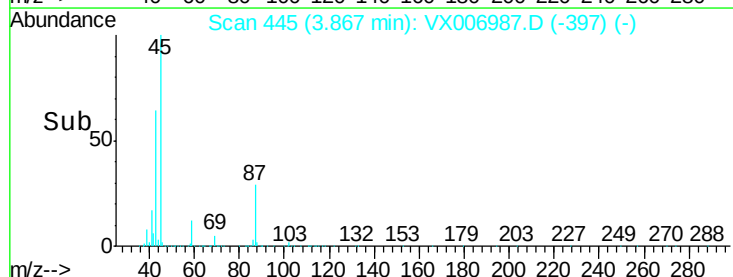
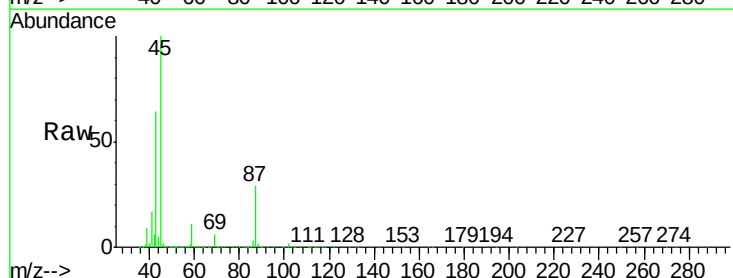
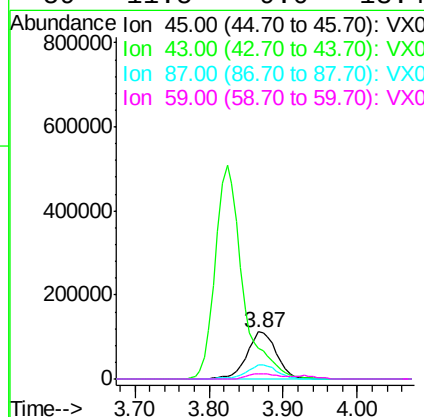
Ion Ratio Lower Upper

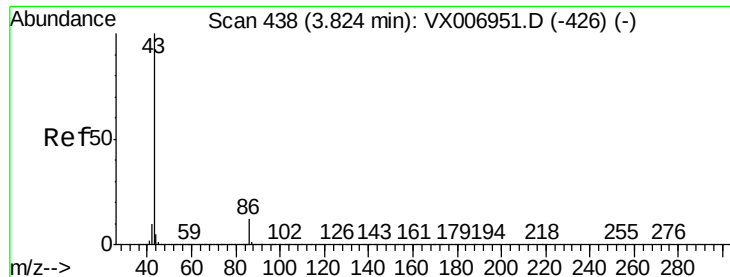
45 100

43 63.7 51.2 76.8

87 29.3 25.8 38.6

59 11.5 9.0 13.4





#23

Vinyl Acetate

Concen: 99.717 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion: 43 Resp: 1300317

Ion Ratio Lower Upper

43 100

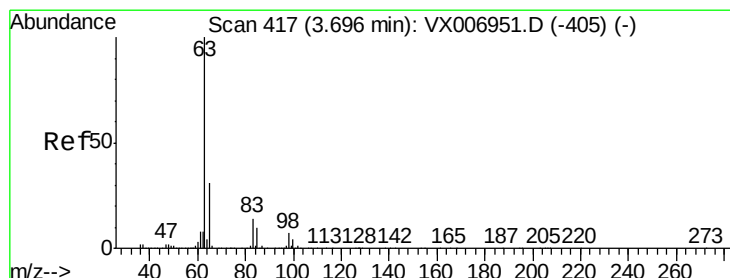
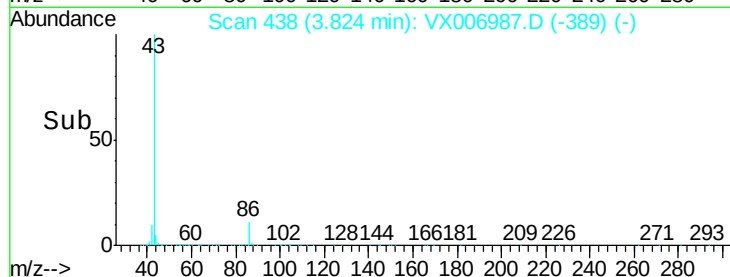
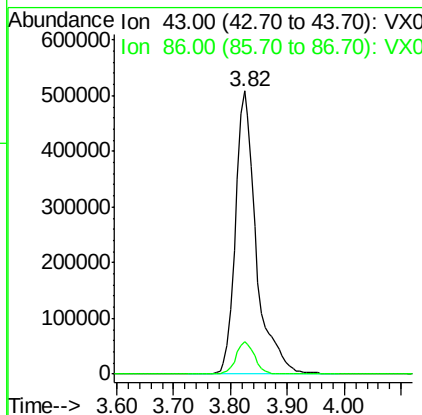
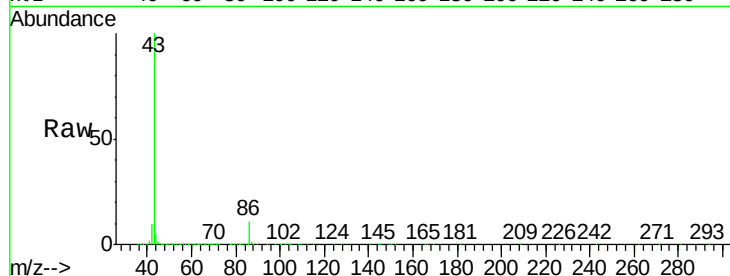
86 11.3 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.206 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

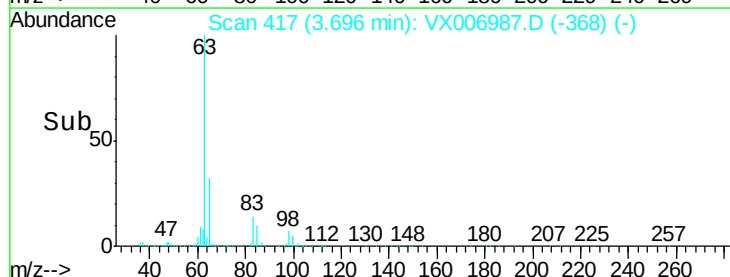
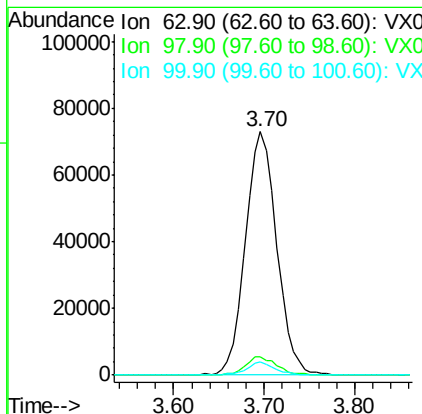
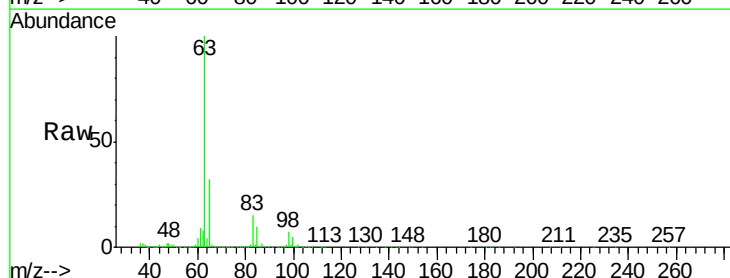
Tgt Ion: 63 Resp: 174708

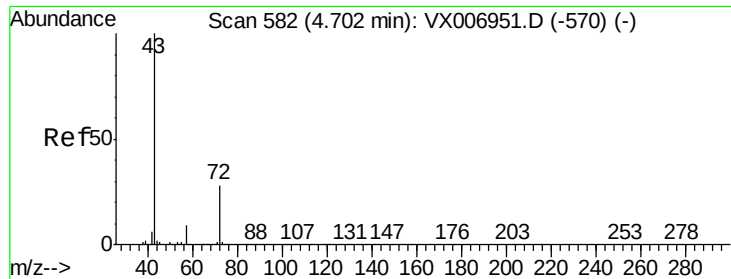
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 5.3 2.4 7.2





#25

2-Butanone

Concen: 106.576 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion: 43 Resp: 411408

Ion Ratio Lower Upper

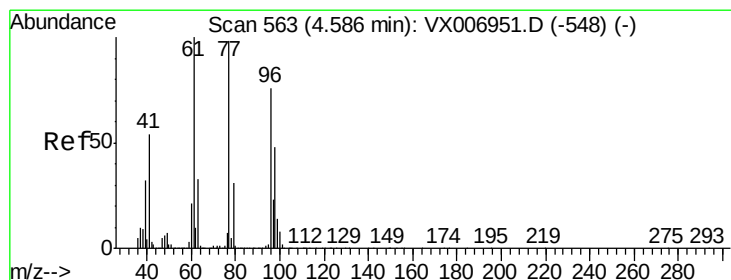
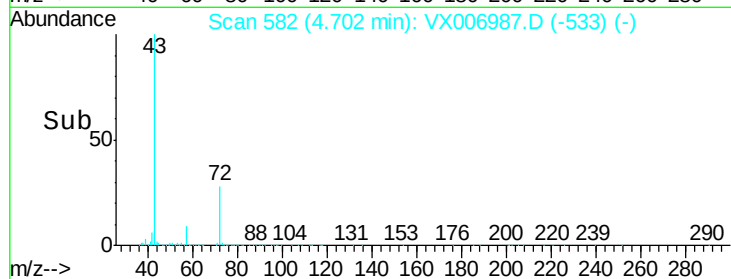
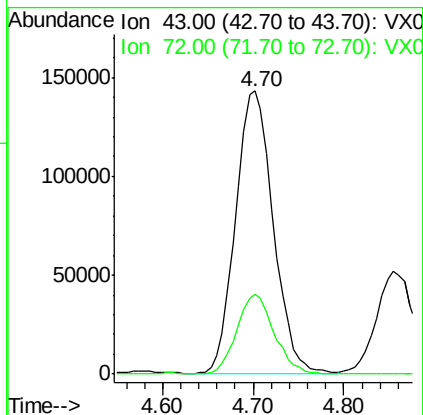
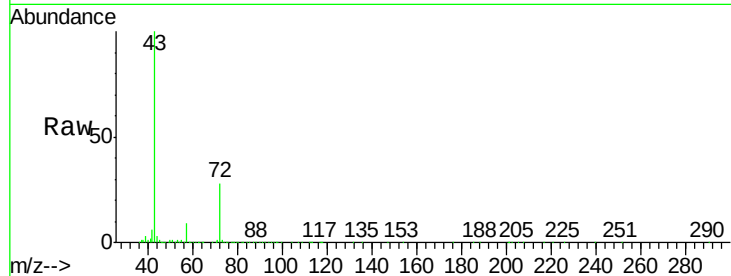
43 100

72 27.9 22.4 33.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.012 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006987.D

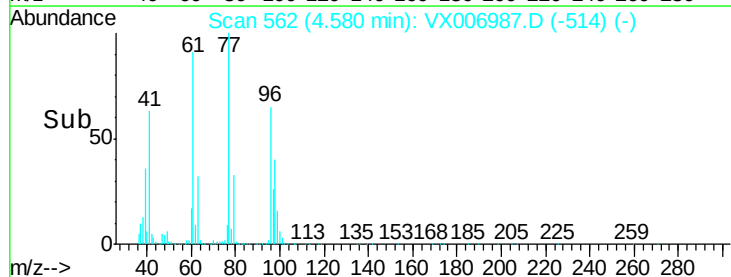
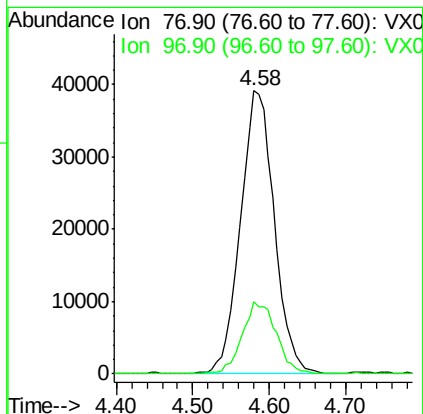
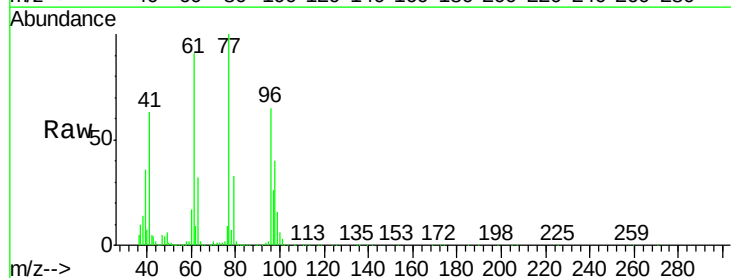
Acq: 10 Jan 2019 14:01

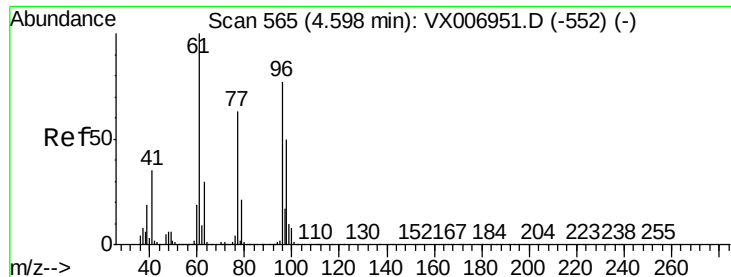
Tgt Ion: 77 Resp: 119756

Ion Ratio Lower Upper

77 100

97 25.6 12.4 37.4





#27

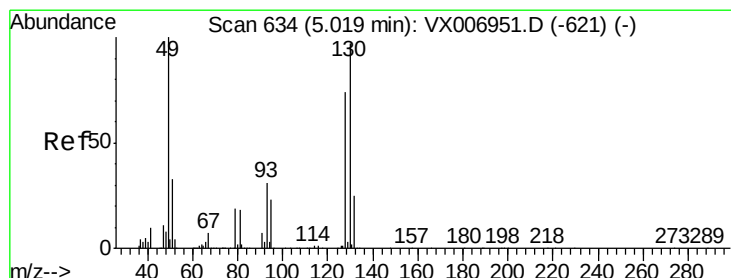
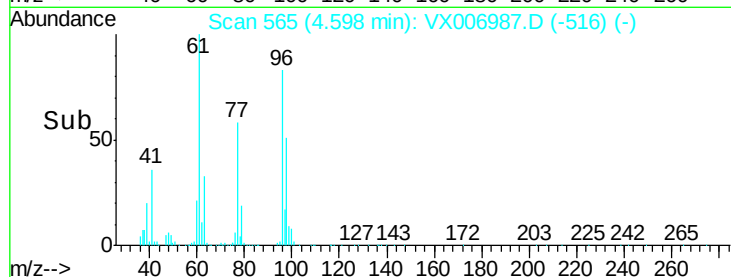
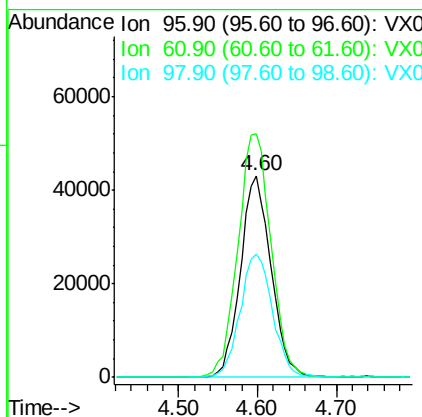
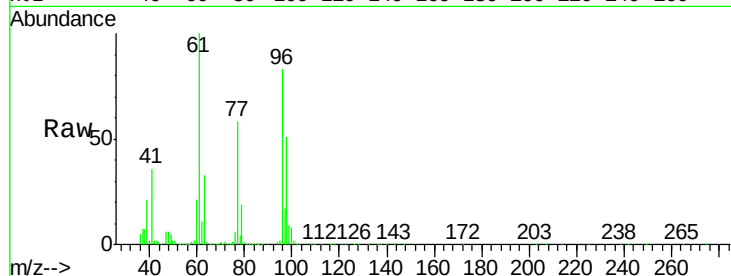
cis-1,2-Dichloroethene
Concen: 19.671 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampled :
VX0110WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	116045		
61	131.0	0.0	258.6	
98	64.9	0.0	132.0	

Manual Integrations
APPROVED

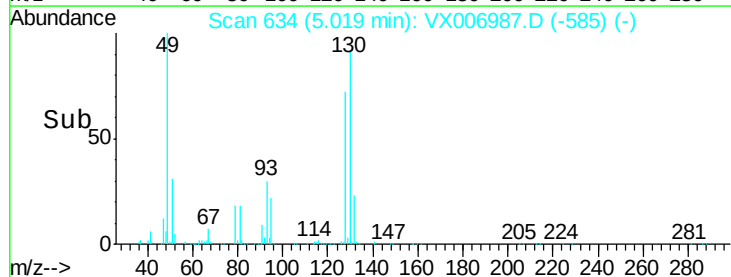
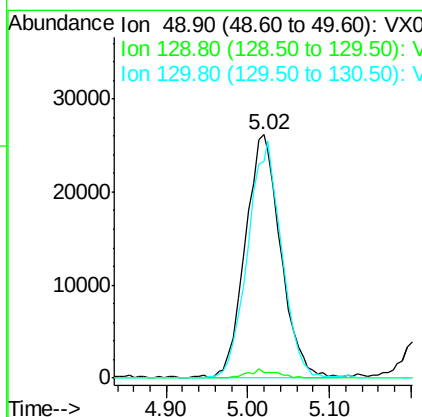
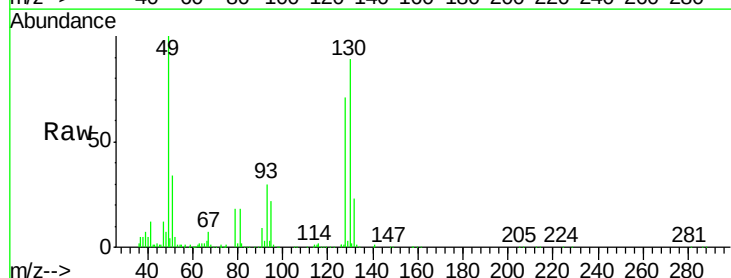
MMDadoda
1/11/2019 11:42:31 AM

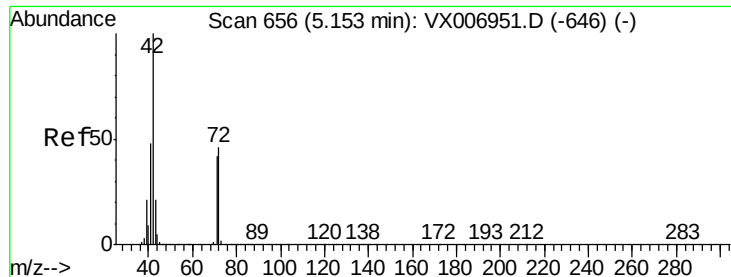


#28

Bromochloromethane
Concen: 20.755 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	78624		
129	2.9	0.0	5.4	
130	93.7	77.7	116.5	





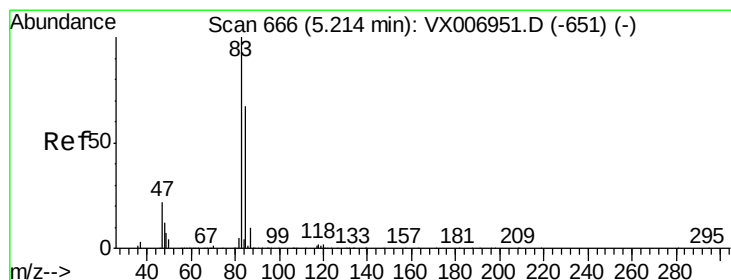
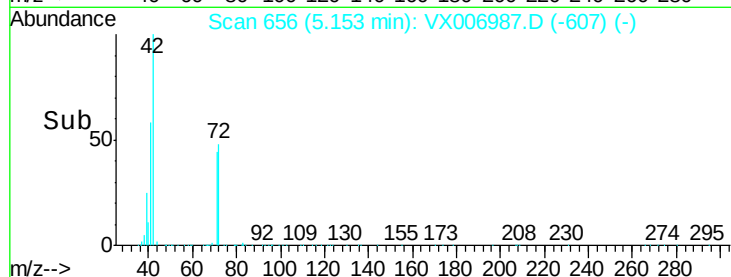
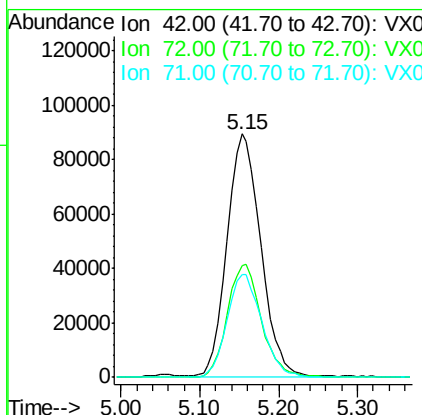
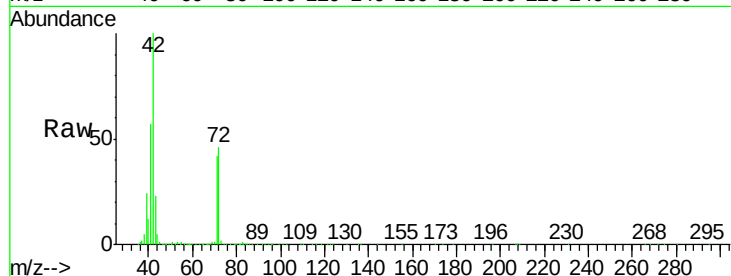
#29
Tetrahydrofuran
Concen: 105.744 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	38.9	58.3
71	43.7	36.2	54.4

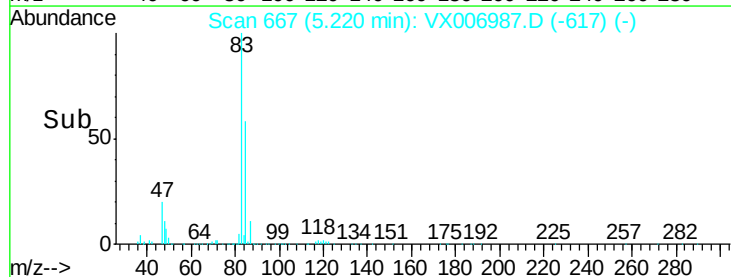
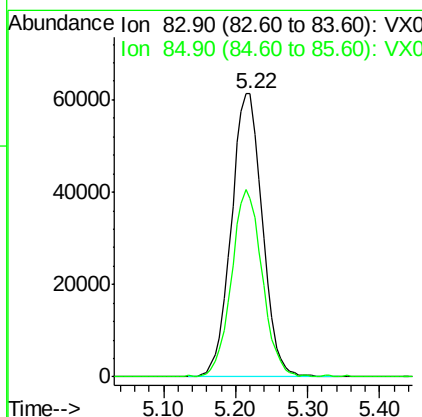
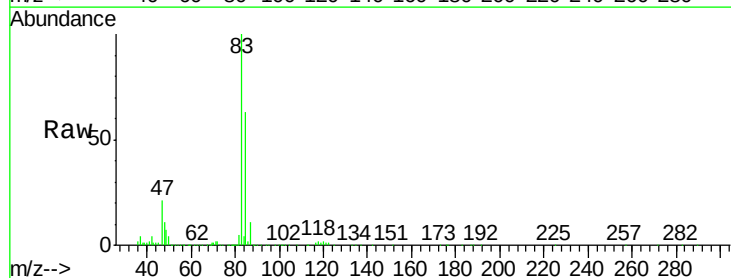
Manual Integrations
APPROVED

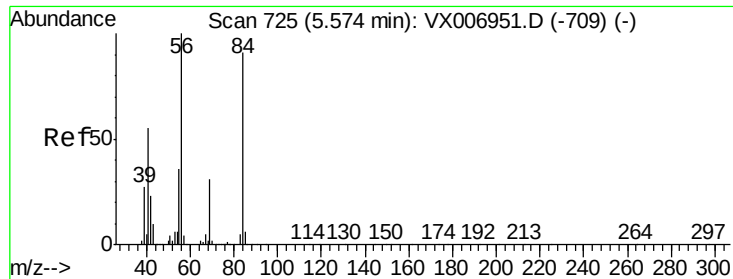
MMDadoda
1/11/2019 11:42:31 AM



#30
Chloroform
Concen: 20.328 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.2	76.8





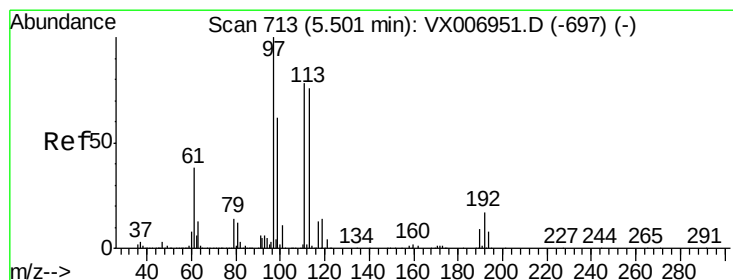
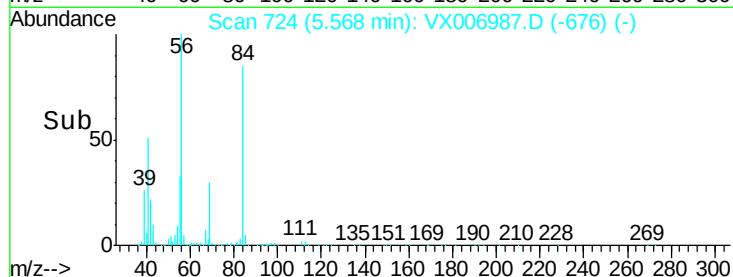
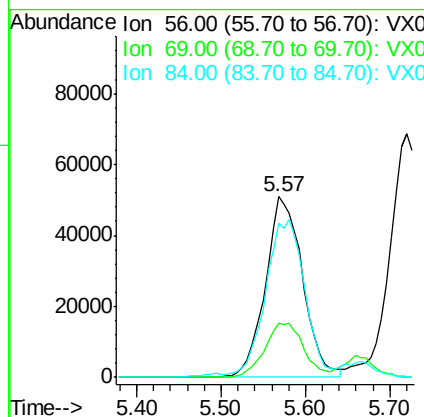
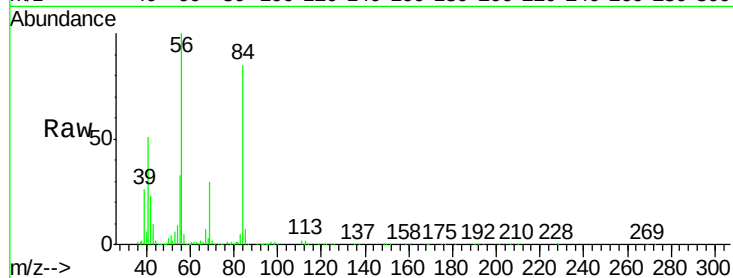
#31
Cyclohexane
Concen: 20.197 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.4	36.6
84	84.7	70.0	105.0

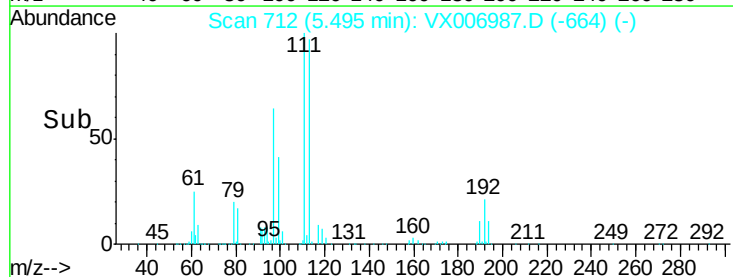
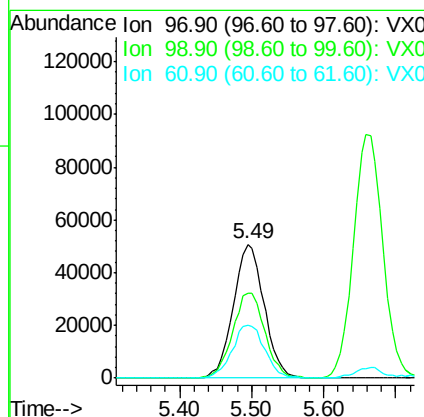
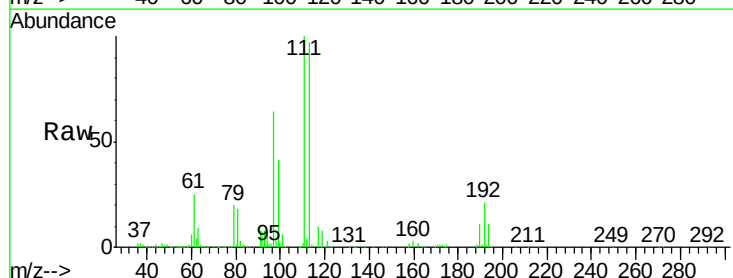
Manual Integrations
APPROVED

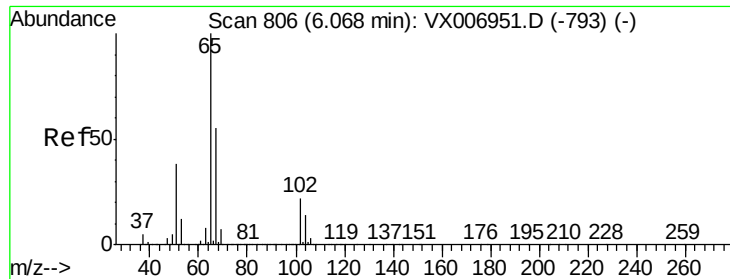
MMDadoda
1/11/2019 11:42:31 AM



#32
1,1,1-Trichloroethane
Concen: 19.637 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.7	77.5
61	42.0	31.3	46.9





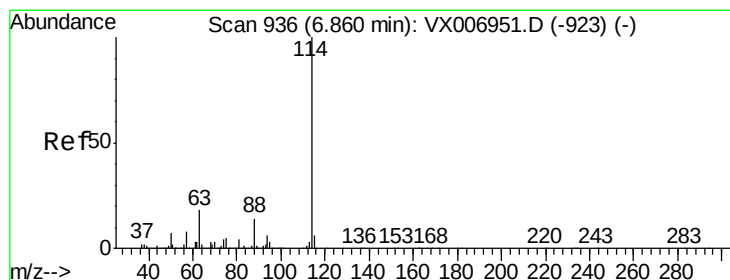
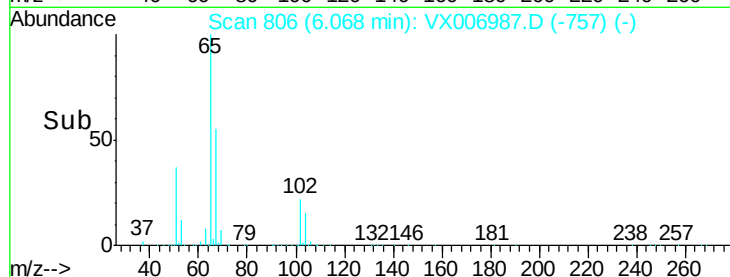
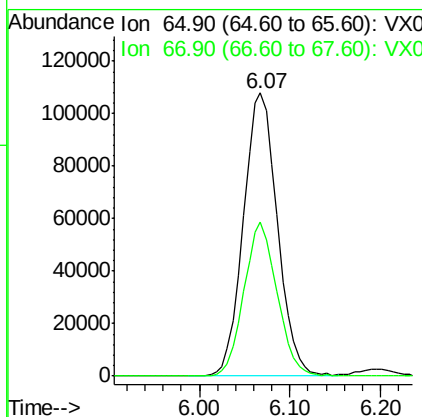
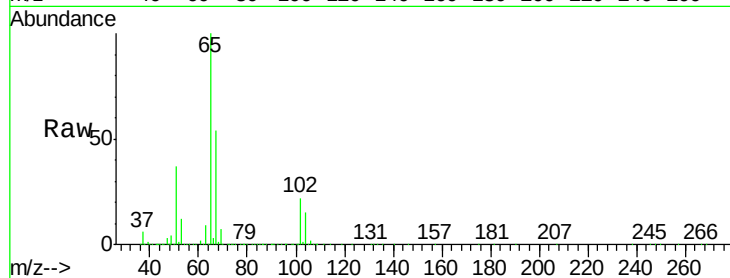
#33
 1,2-Dichloroethane-d4
 Concen: 51.342 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.0

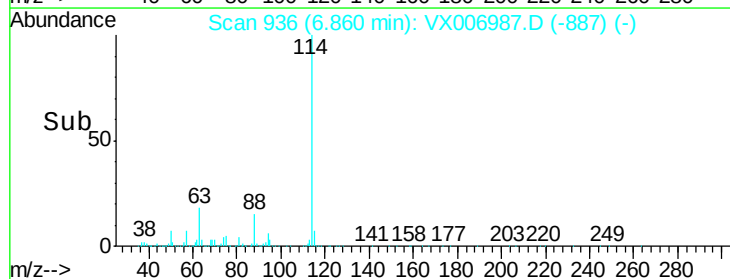
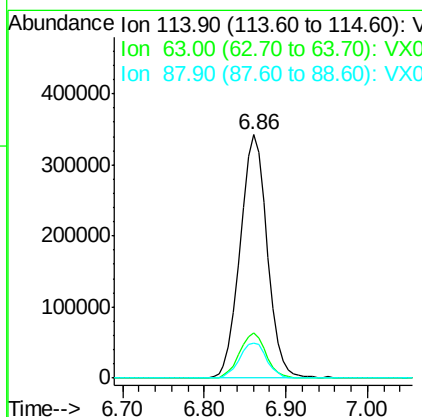
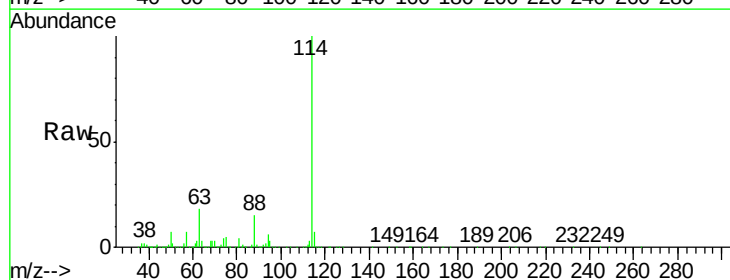
Manual Integrations
 APPROVED

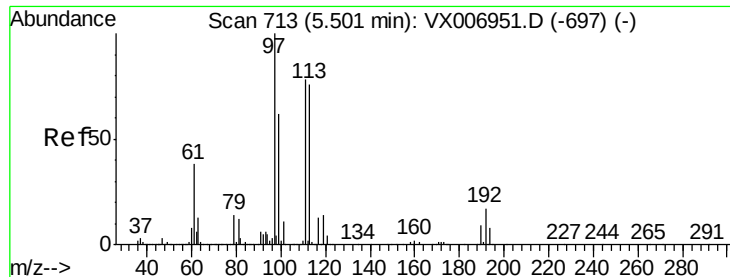
MMDadoda
 1/11/2019 11:42:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	34.8
88	14.5	0.0	28.8





#35

Dibromofluoromethane

Concen: 49.177 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

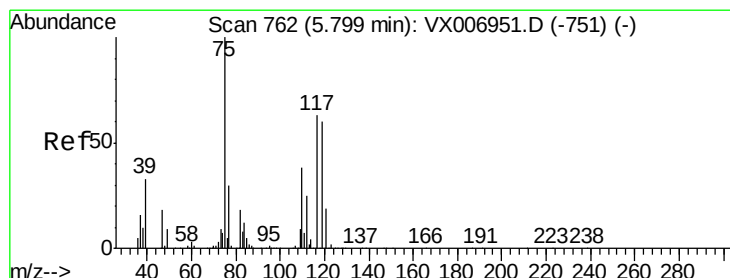
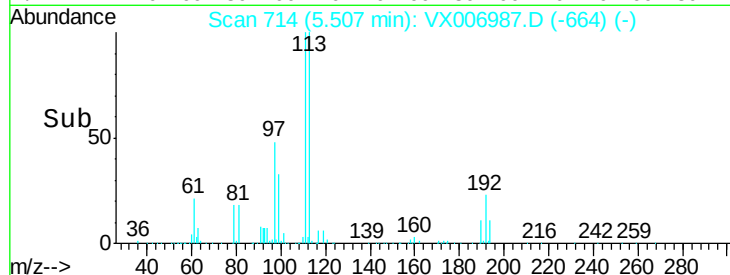
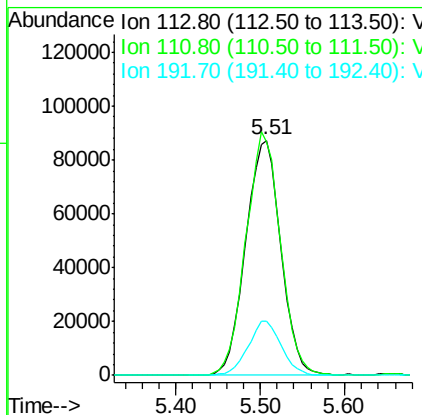
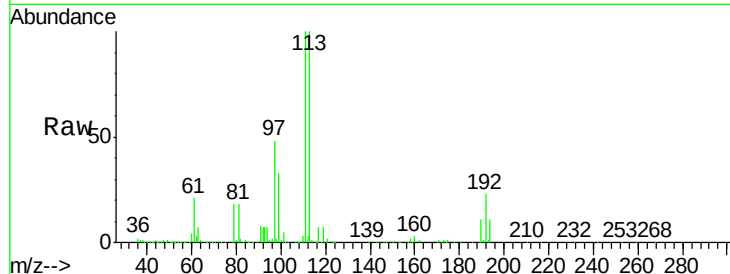
ClientSampleId :

VX0110WBSD01

Tot Ion:	113	Resp:	248440
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.6	122.4
192	22.2	16.7	25.1

Manual Integrations
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1/11/2019 11:42:31 AM



#36

1,1-Dichloropropene

Concen: 19.322 ug/l

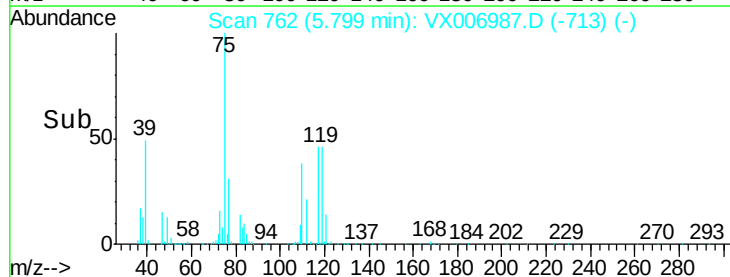
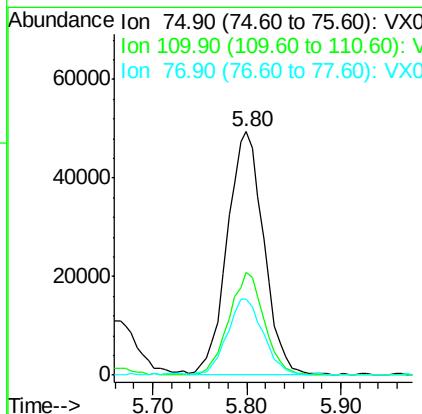
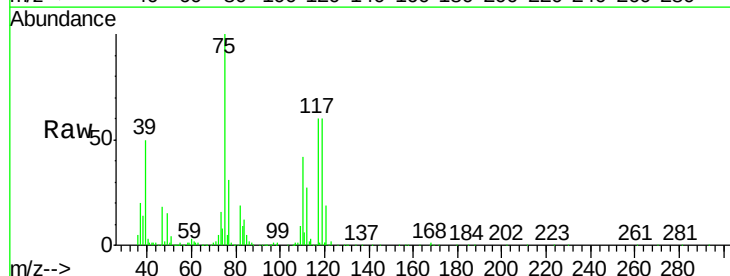
RT: 5.80 min Scan# 762

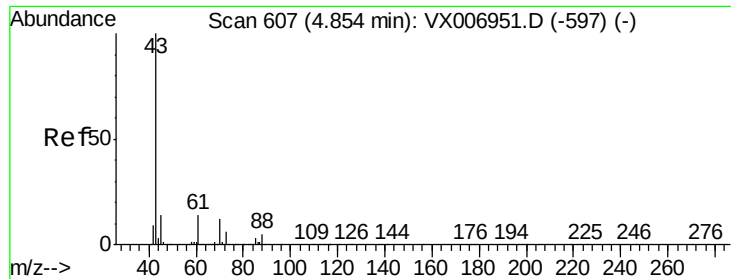
Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion:	75	Resp:	132523
Ion Ratio	Lower	Upper	
75	100		
110	41.0	20.2	60.5
77	31.0	24.8	37.2





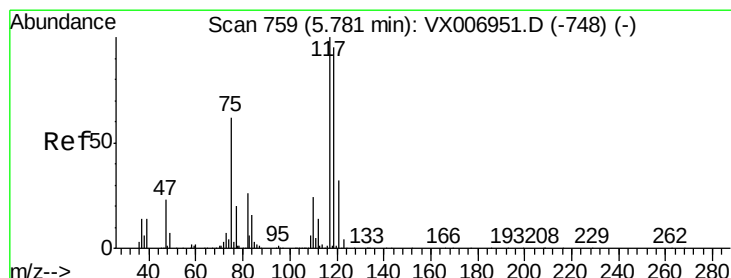
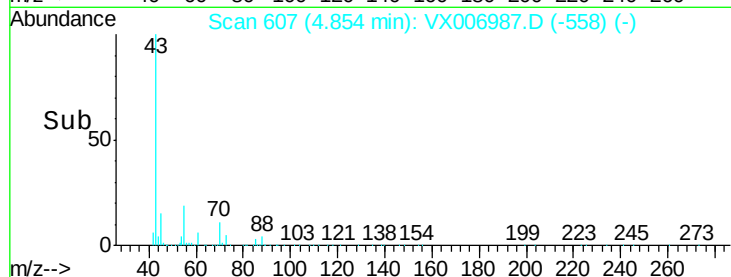
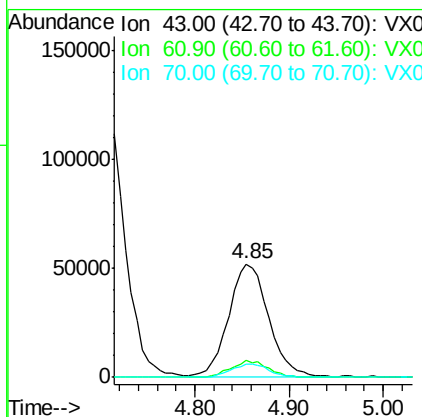
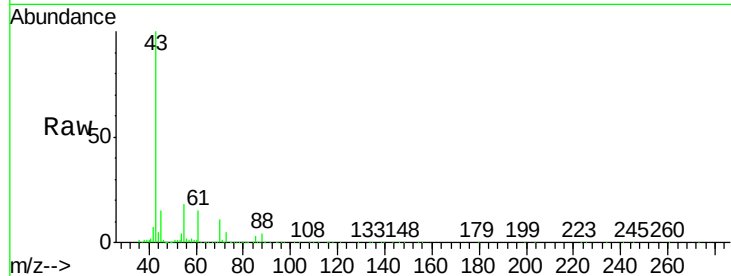
#37
Ethyl Acetate
Concen: 20.541 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	11.1	9.7	14.5

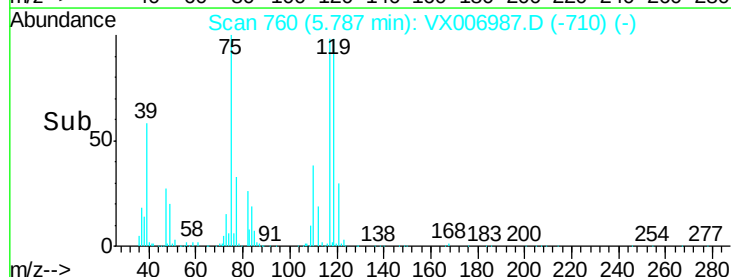
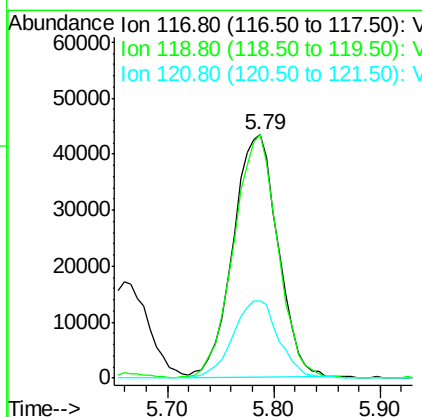
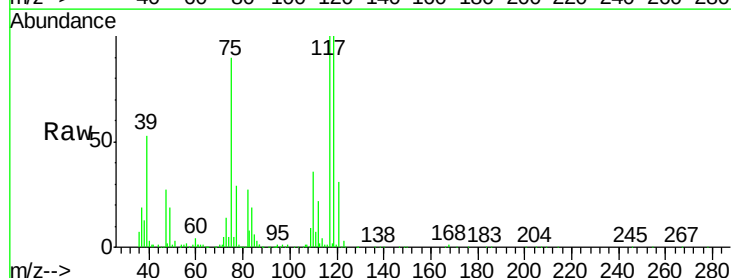
Manual Integrations
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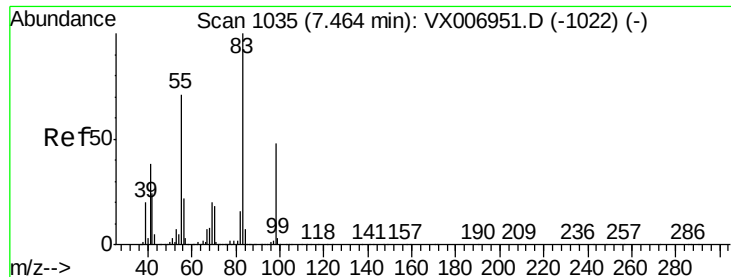
MMDadoda
1/11/2019 11:42:31 AM



#38
Carbon Tetrachloride
Concen: 18.538 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	79.4	119.2
121	31.4	24.0	36.0





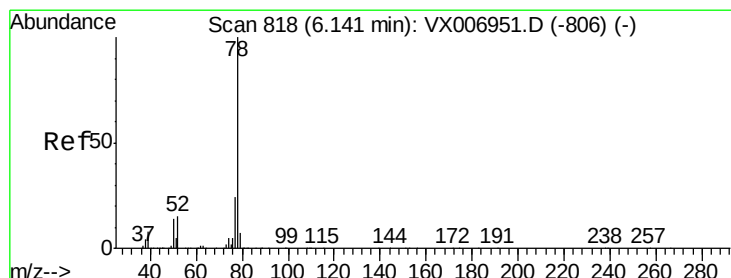
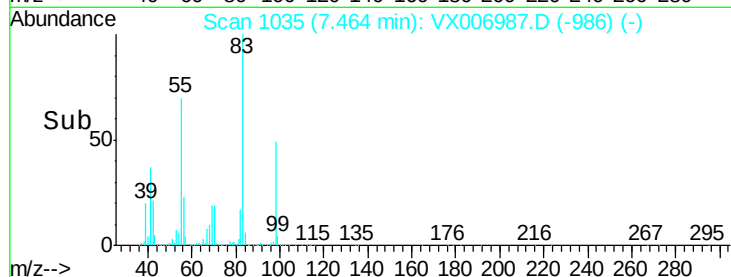
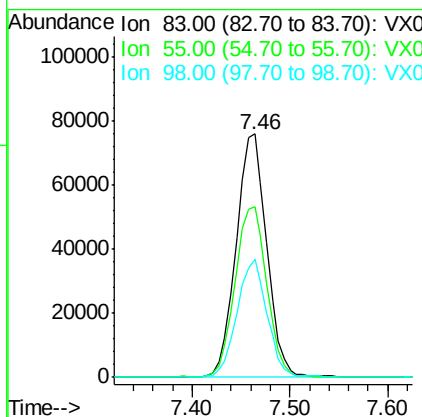
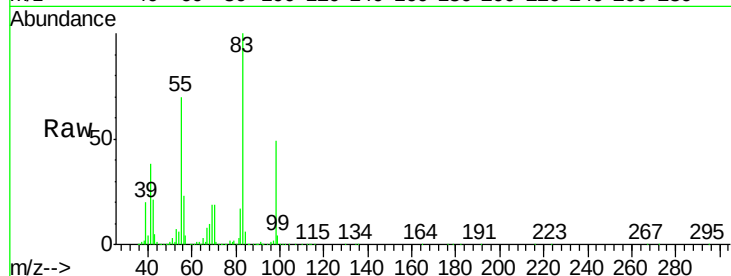
#39
Methylvlcyclohexane
Concen: 18.872 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.1	54.9	82.3
98	48.5	37.9	56.9

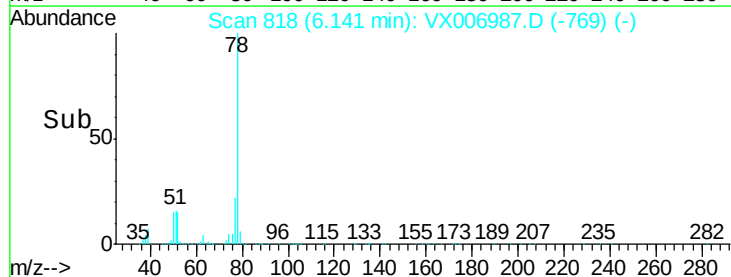
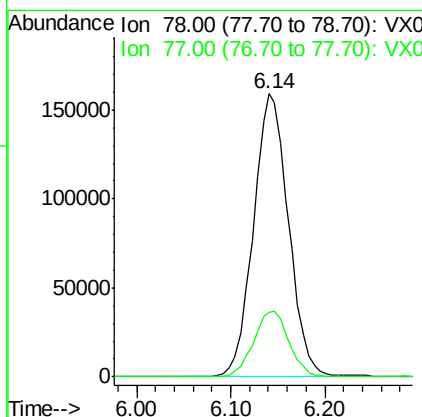
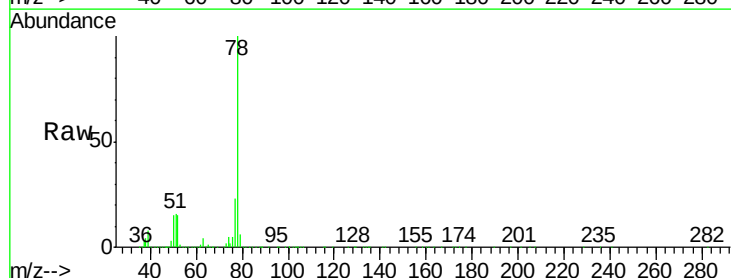
Manual Integrations
APPROVED

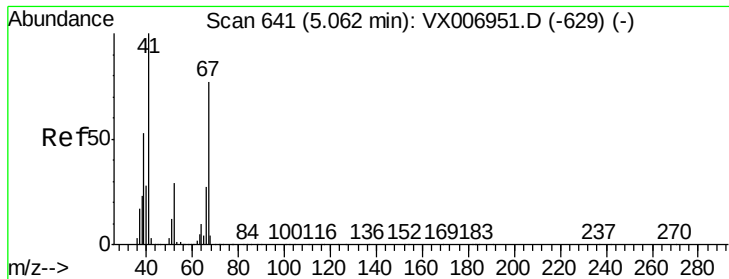
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1/11/2019 11:42:31 AM



#40
Benzene
Concen: 19.778 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.2	28.8





#41

Methacrylonitrile

Concen: 19.734 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

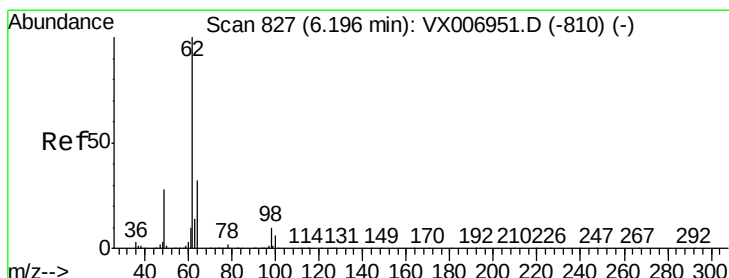
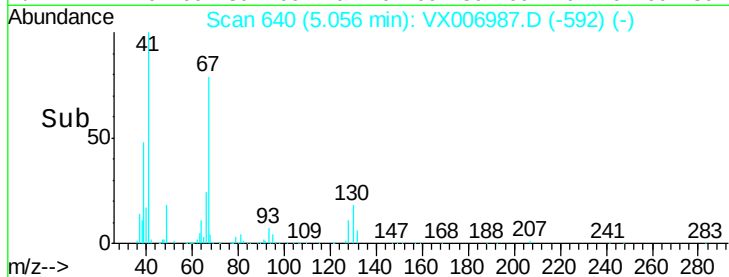
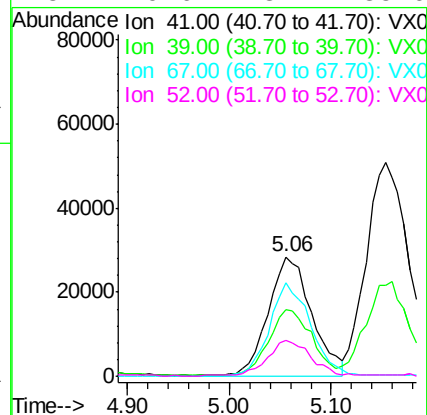
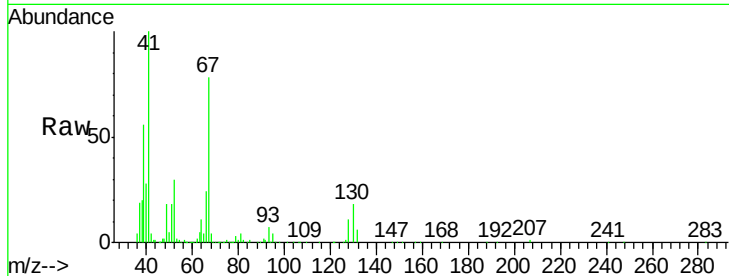
ClientSampled :

VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	42.8	64.2
67	74.4	62.1	93.1
52	29.6	23.4	35.0

Manual Integrations
APPROVED

MMDadoda
1/11/2019 11:42:31 AM



#42

1,2-Dichloroethane

Concen: 19.539 ug/l

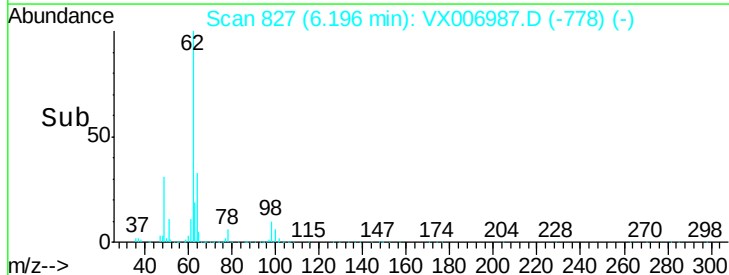
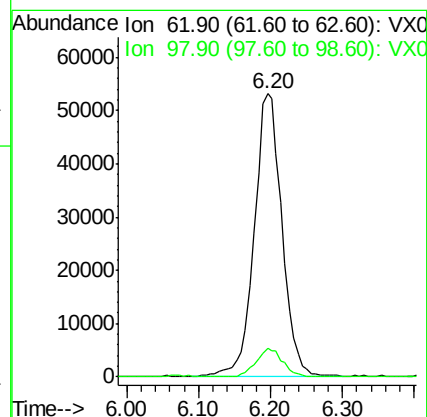
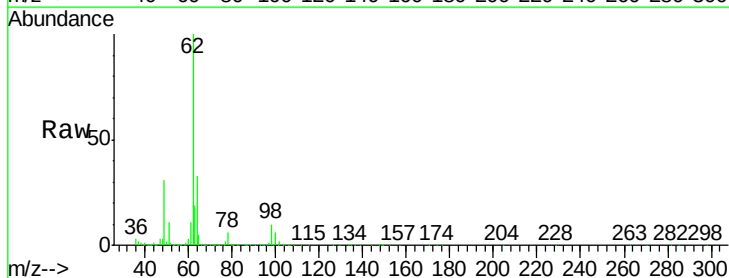
RT: 6.20 min Scan# 827

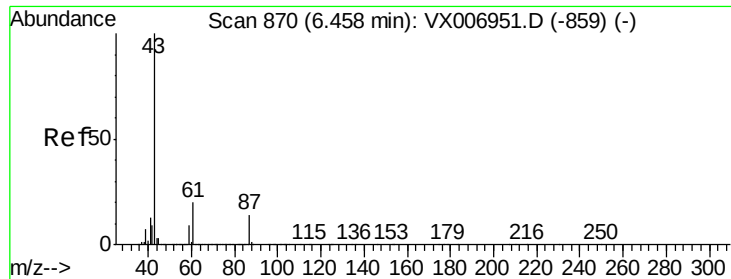
Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

Isopropyl Acetate

Concen: 20.046 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

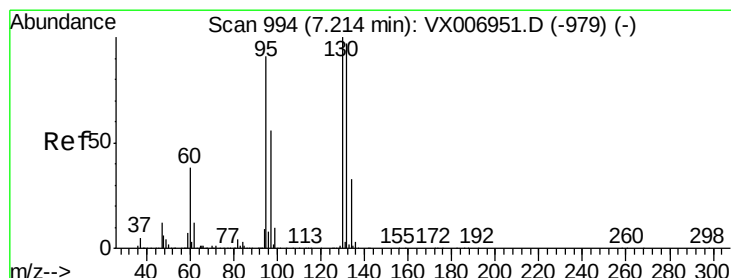
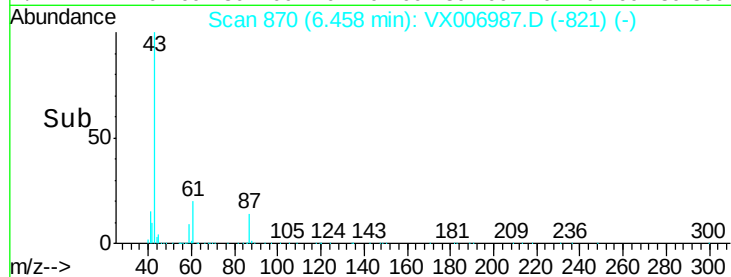
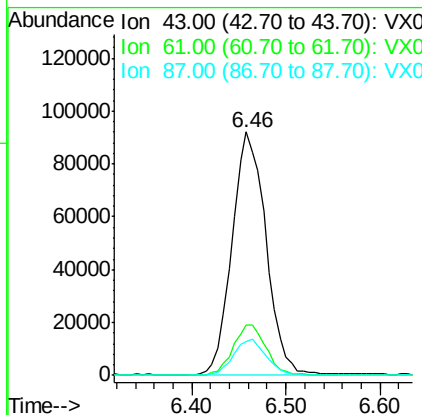
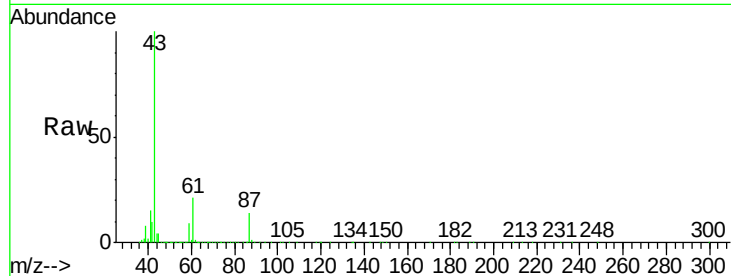
ClientSampleId :

VX0110WBSD01

Tot Ion:	43	Resp:	232509
Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.8	25.2
87	14.5	12.4	18.6

Manual Integrations
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#44

Trichloroethene

Concen: 19.342 ug/l

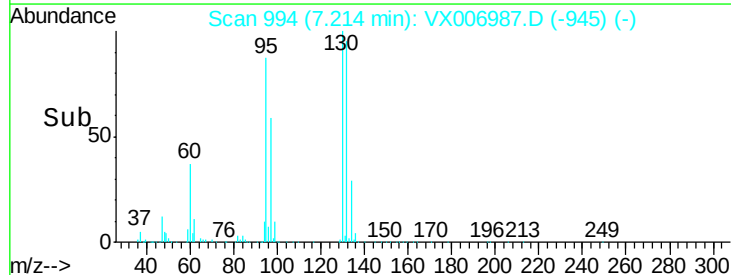
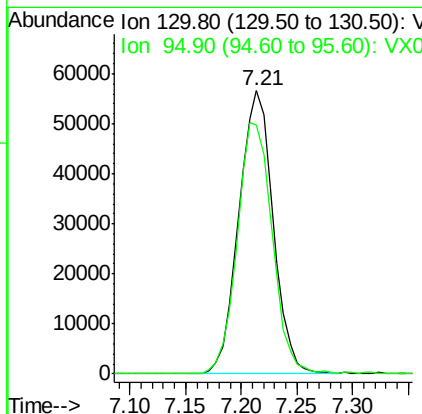
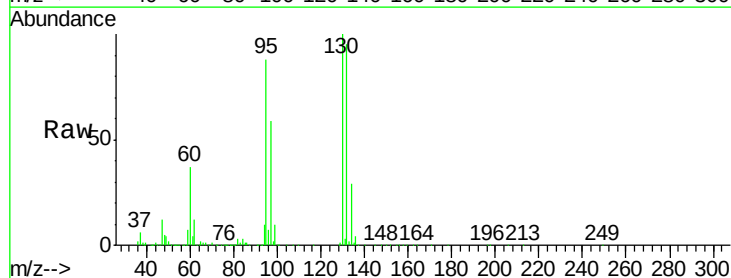
RT: 7.21 min Scan# 994

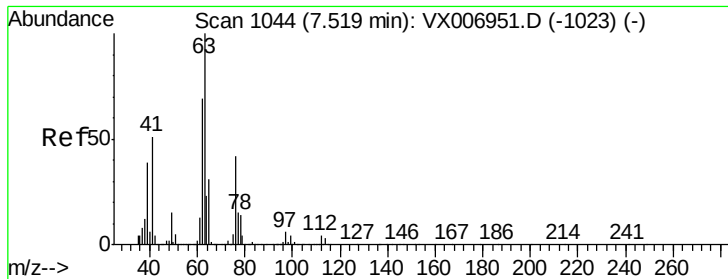
Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion:	130	Resp:	121300
Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	187.0





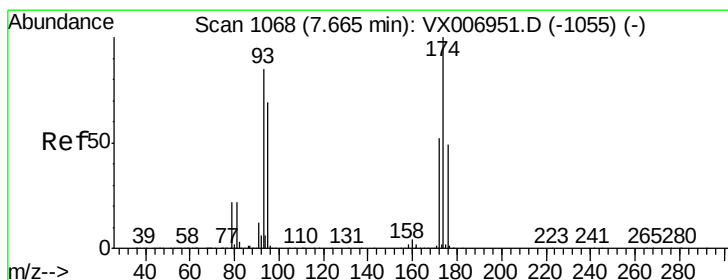
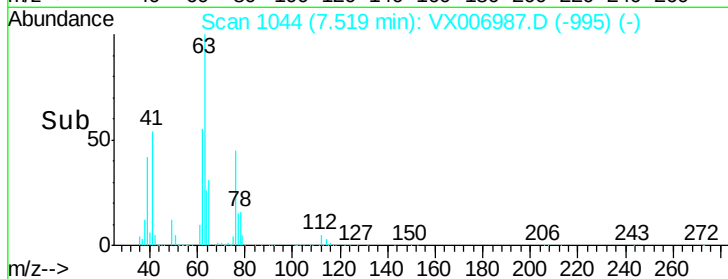
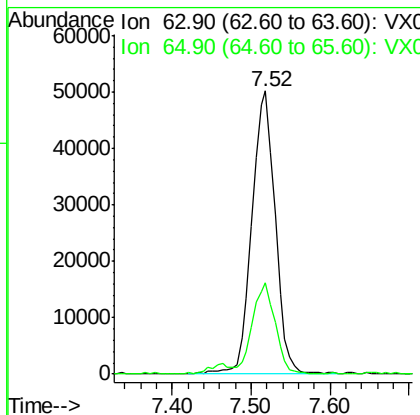
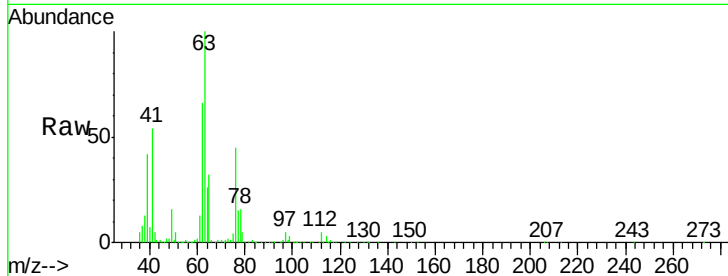
#45
 1,2-Dichloropropane
 Concen: 19.610 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.0

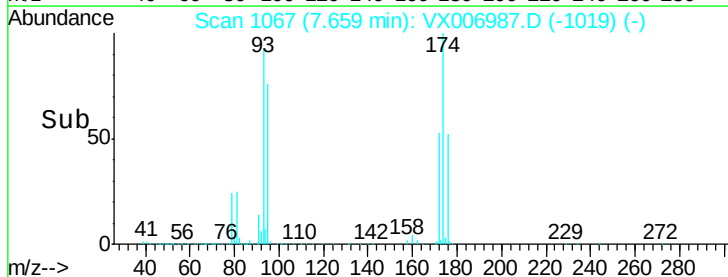
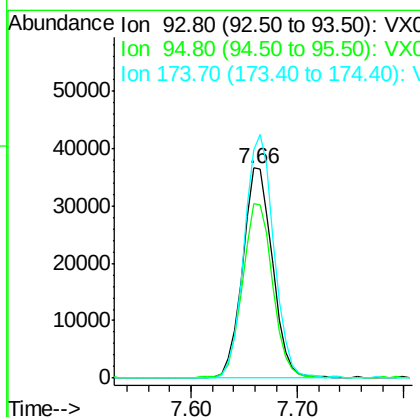
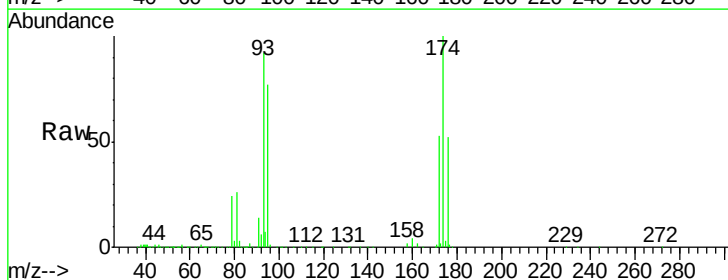
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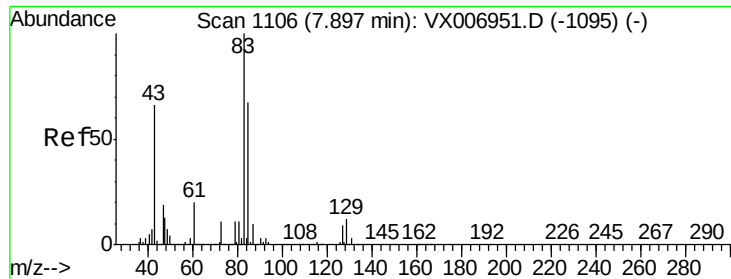
MMDadoda
 1/11/2019 11:42:31 AM



#46
 Dibromomethane
 Concen: 19.599 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.2	99.4
174	114.1	91.0	136.4





#47

Bromodichloromethane

Concen: 19.263 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

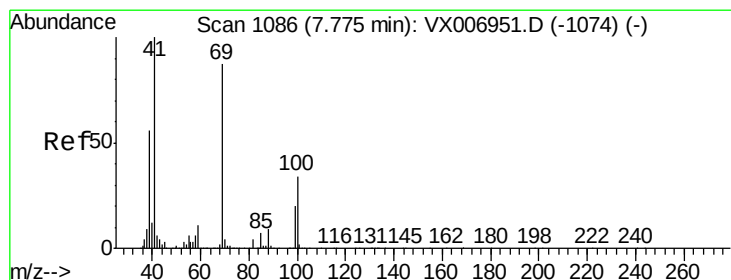
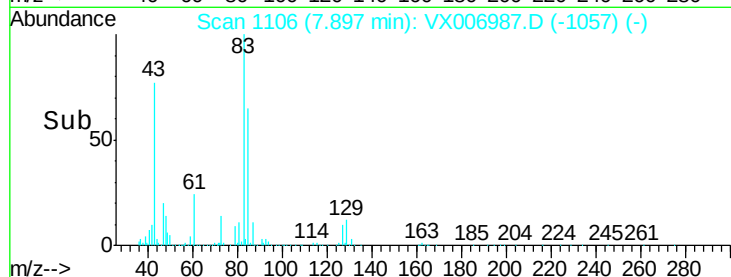
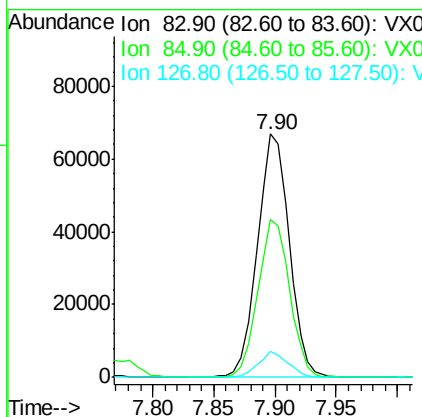
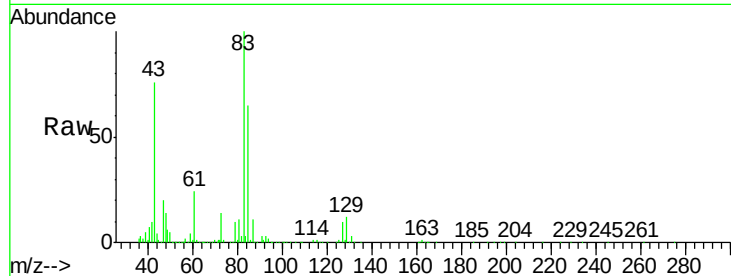
ClientSampleId :

VX0110WBSD01

Tot Ion:	83	Resp:	121241
Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.2	79.8
127	10.4	7.8	11.6

Manual Integrations
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1/11/2019 11:42:31 AM



#48

Methyl methacrylate

Concen: 19.443 ug/l

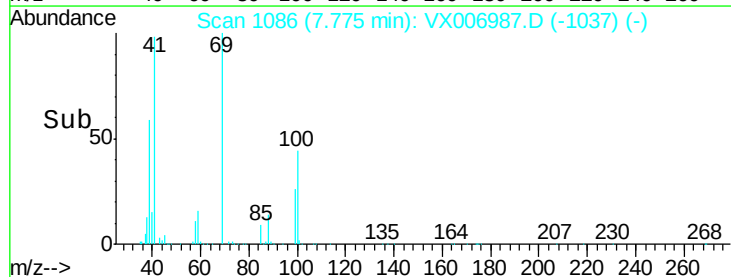
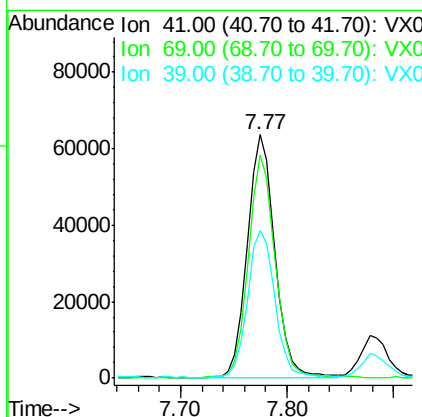
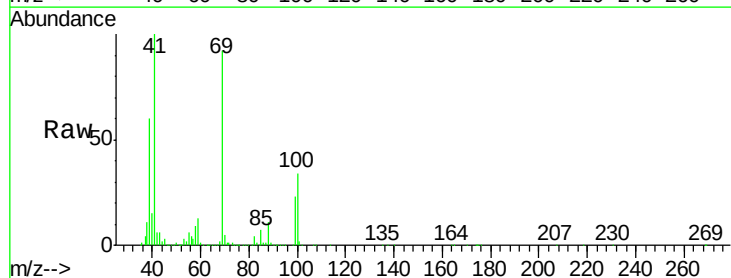
RT: 7.77 min Scan# 1086

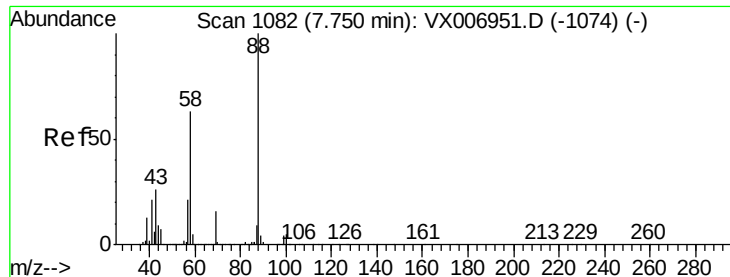
Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion:	41	Resp:	115809
Ion	Ratio	Lower	Upper
41	100		
69	90.1	72.4	108.6
39	60.0	45.8	68.8





#49

1,4-Dioxane

Concen: 437.073 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

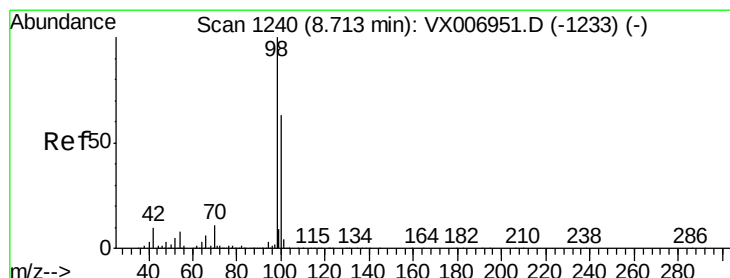
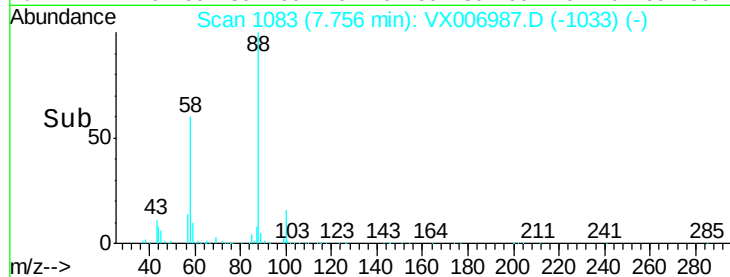
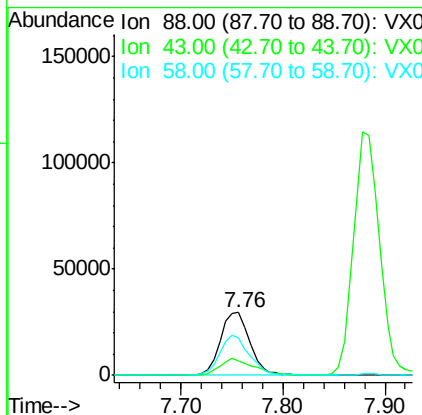
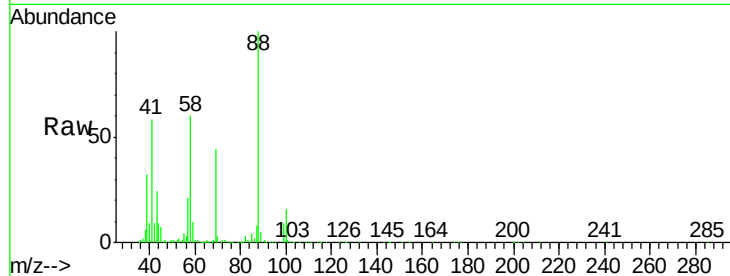
ClientSampleId :

VX0110WBSD01

Tot Ion:	88	Resp:	60109
Ion	Ratio	Lower	Upper
88	100		
43	28.5	22.2	33.4
58	64.0	51.0	76.4

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#50

Toluene-d8

Concen: 50.271 ug/l

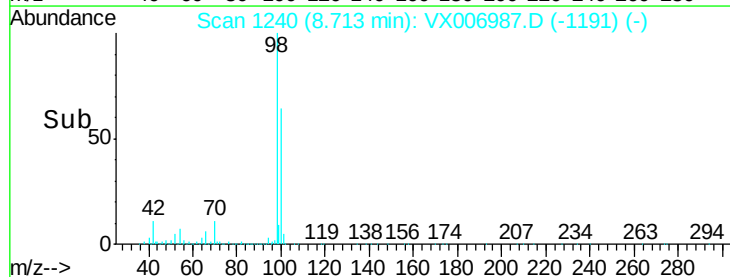
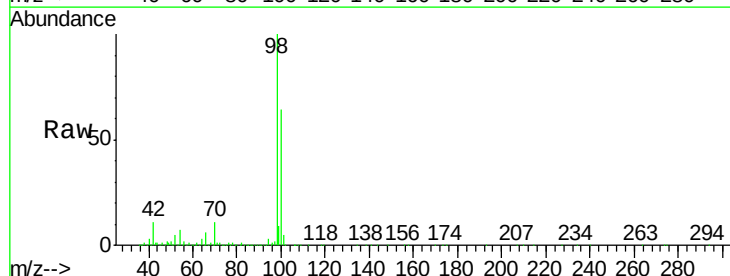
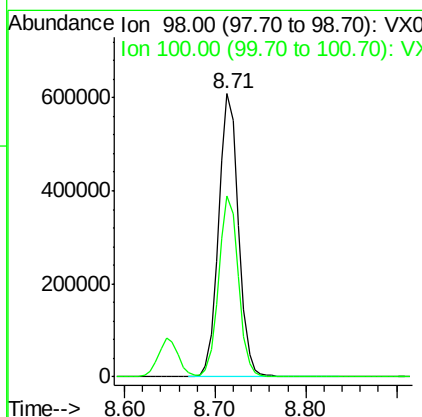
RT: 8.71 min Scan# 1240

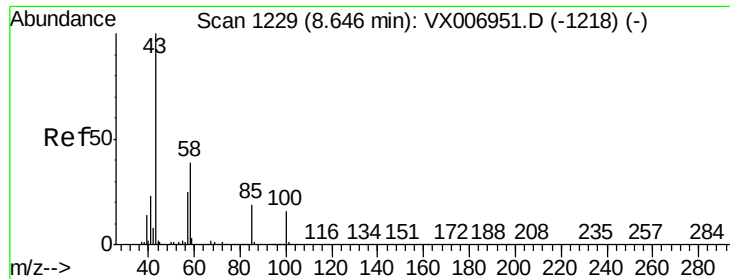
Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion:	98	Resp:	929598
Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0





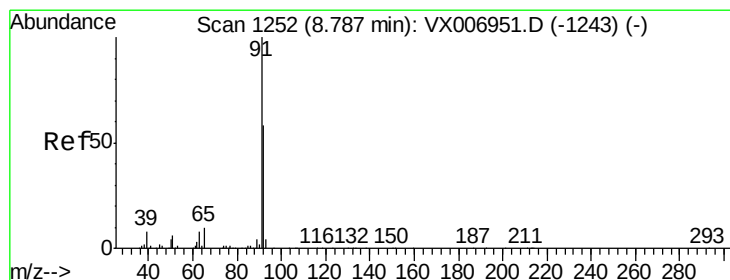
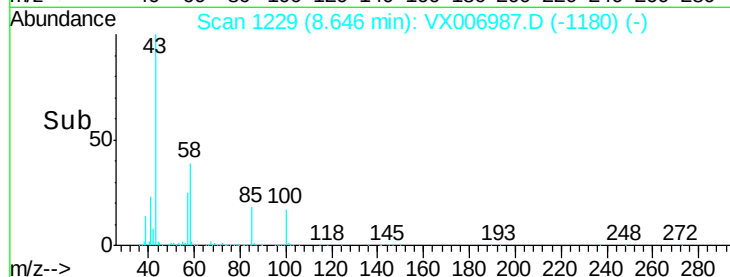
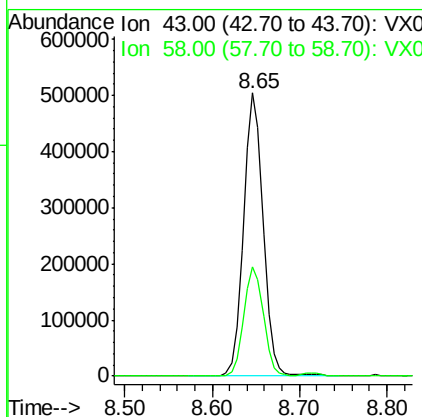
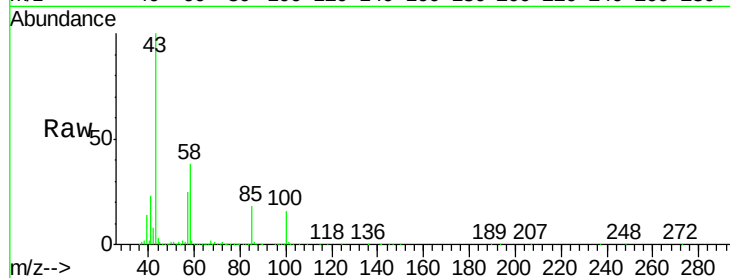
#51
4-Methyl-2-Pentanone
Concen: 104.979 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.8	47.6

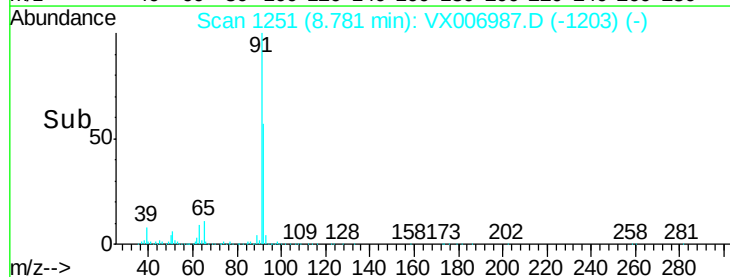
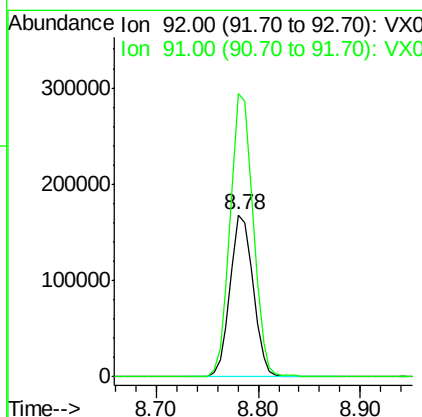
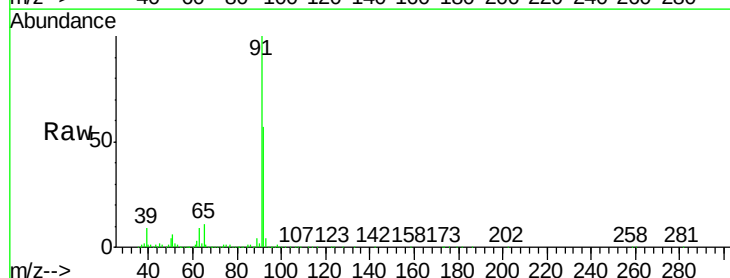
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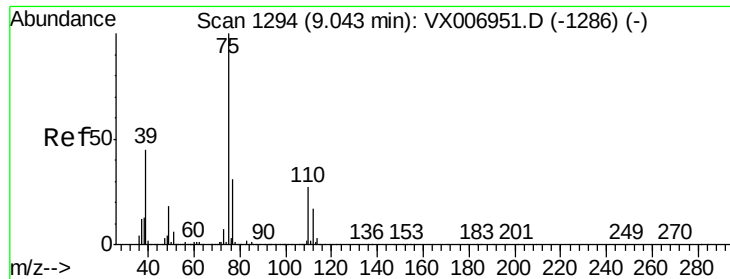
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#52
Toluene
Concen: 19.519 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.6	137.6	206.4





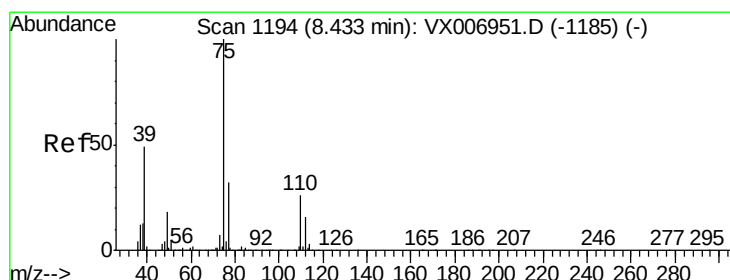
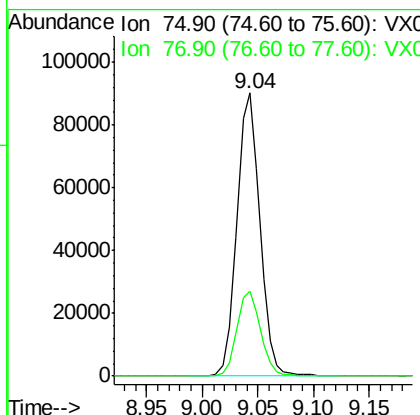
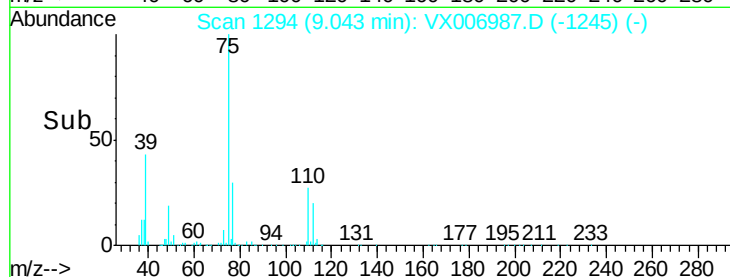
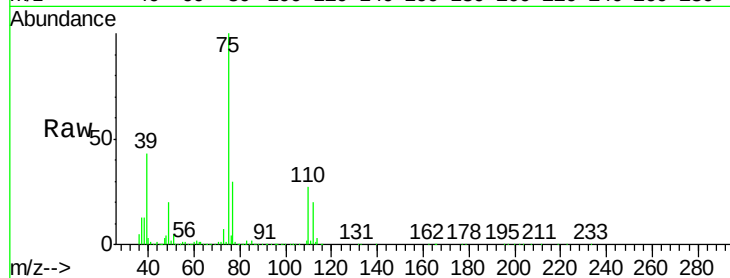
#53
t-1,3-Dichloropropene
Concen: 18.495 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion: 75 Resp: 129079
Ion Ratio Lower Upper
75 100
77 30.0 25.4 38.0

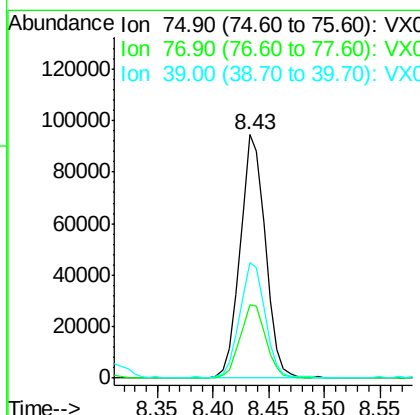
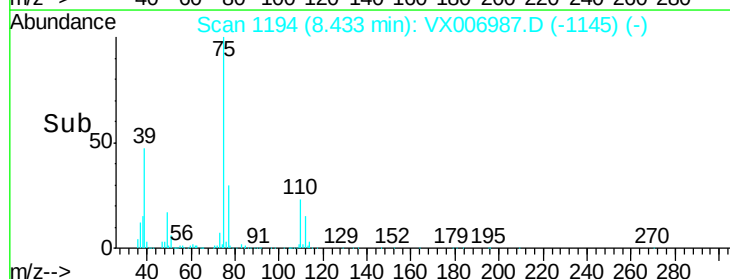
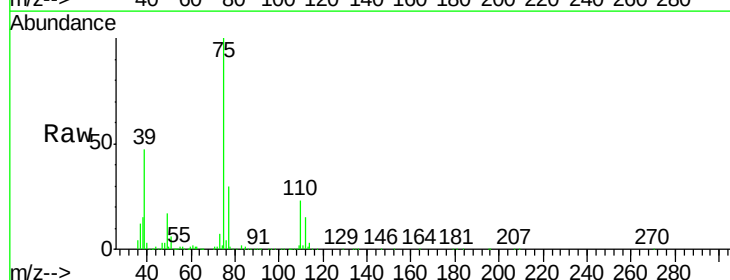
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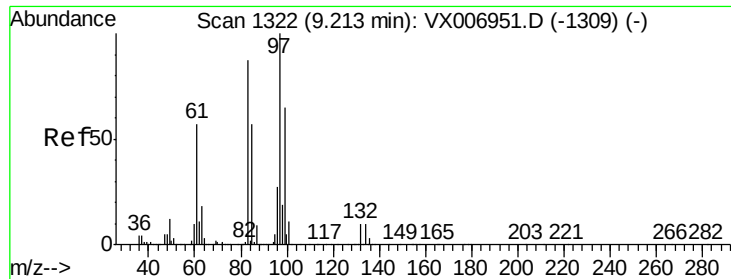
MMDadoda
1/11/2019 11:42:31 AM



#54
cis-1,3-Dichloropropene
Concen: 19.224 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion: 75 Resp: 148169
Ion Ratio Lower Upper
75 100
77 29.8 26.2 39.2
39 47.0 36.7 55.1





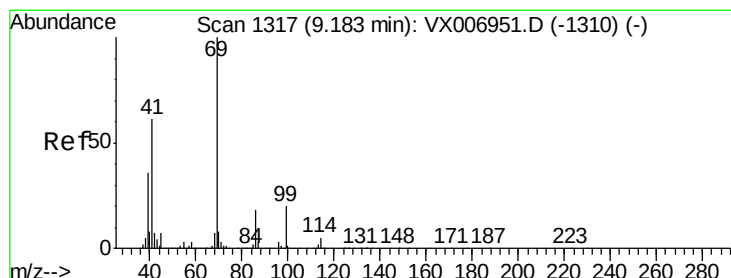
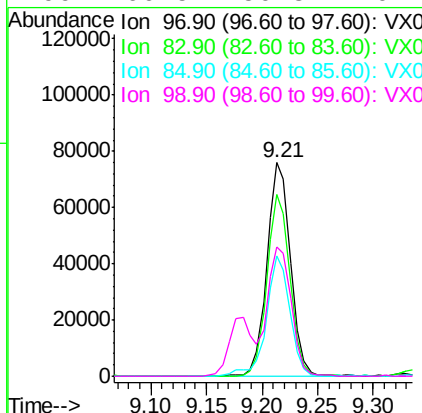
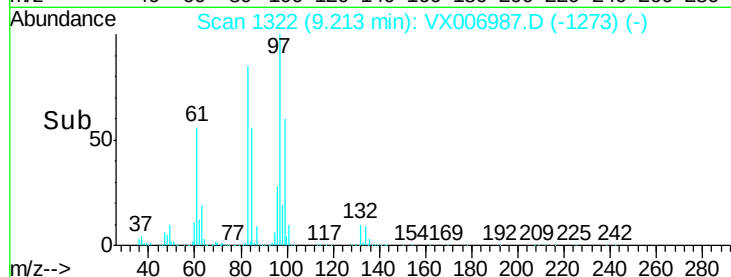
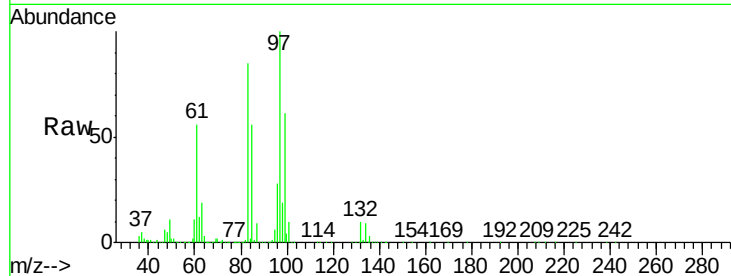
#55
1,1,2-Trichloroethane
Concen: 20.850 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		112254		
83	84.8	66.6	99.8		
85	56.1	42.7	64.1		
99	60.5	50.8	76.2		

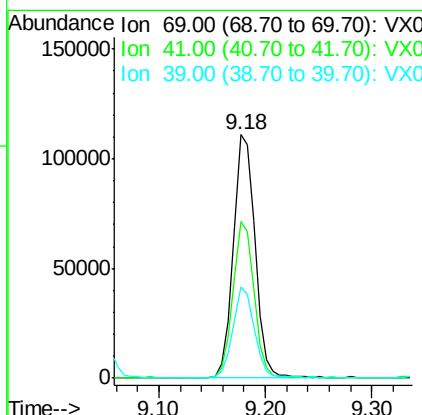
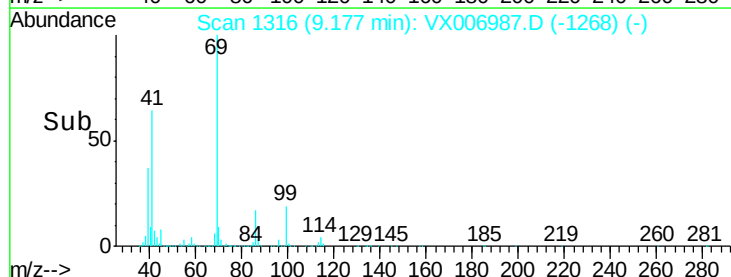
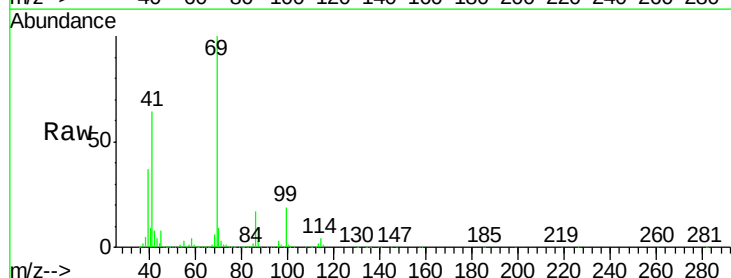
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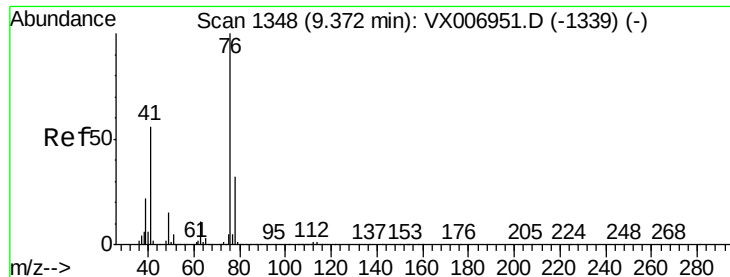
MMDadoda
1/11/2019 11:42:31 AM



#56
Ethyl methacrylate
Concen: 20.290 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		159480		
41	62.9	48.7	73.1		
39	37.1	27.0	40.6		





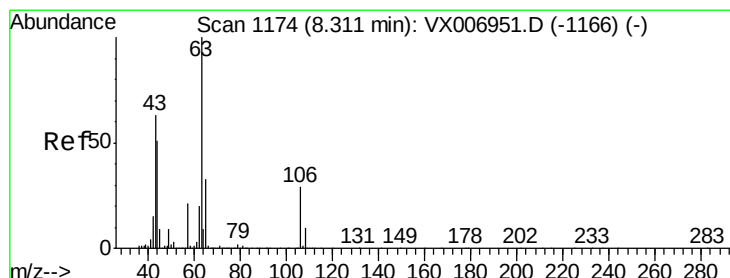
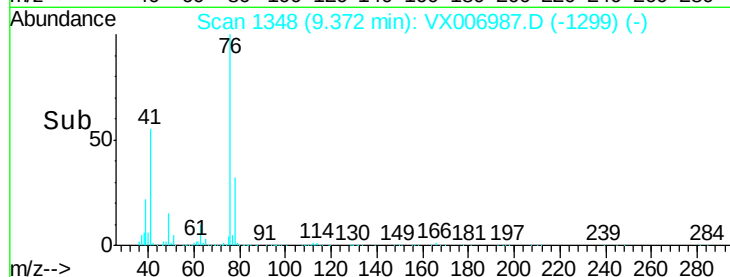
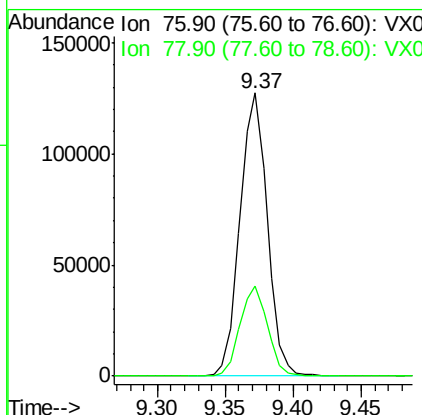
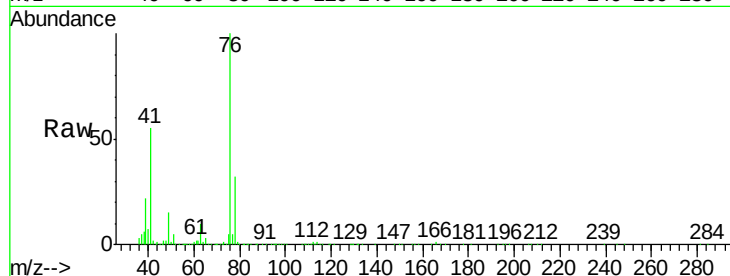
#57
 1,3-Dichloropropane
 Concen: 20.298 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.0	39.0

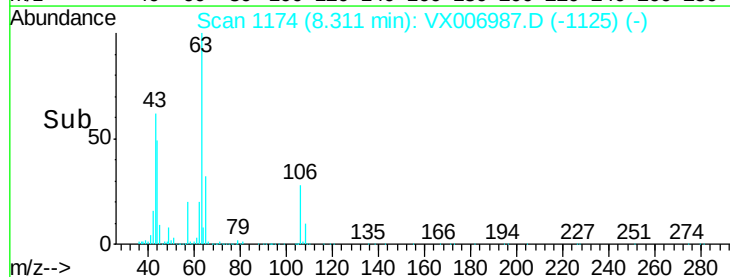
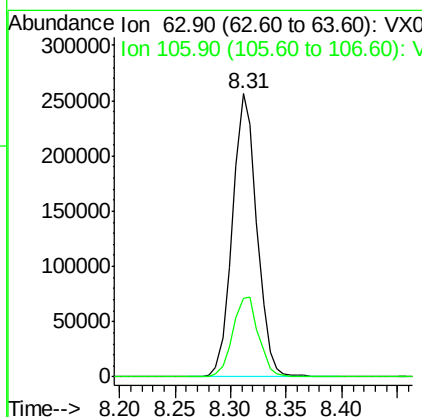
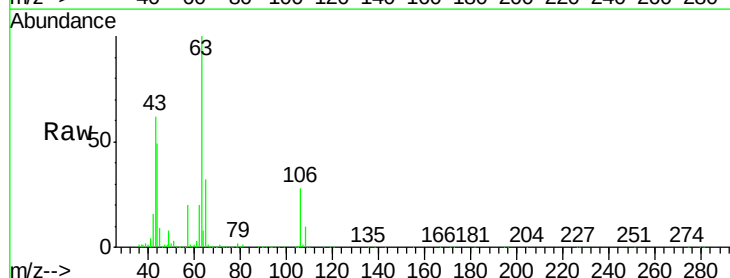
Manual Integrations
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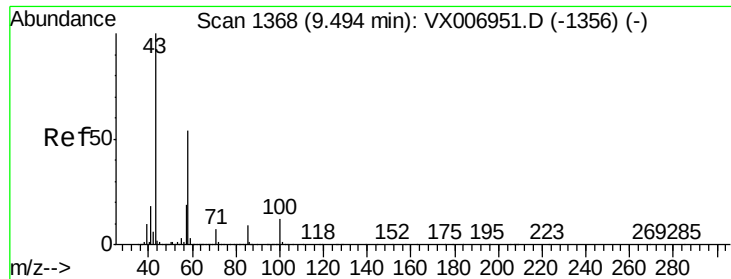
MMDadoda
 1/11/2019 11:42:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.284 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	24.6	36.8





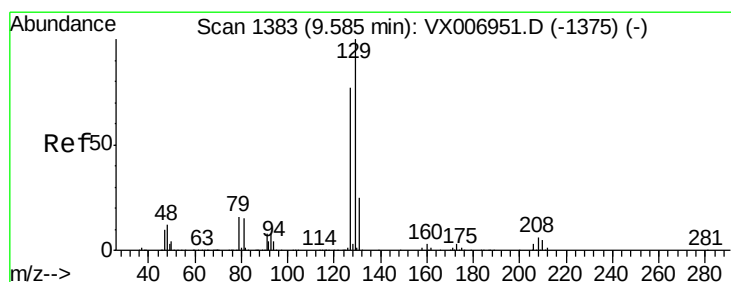
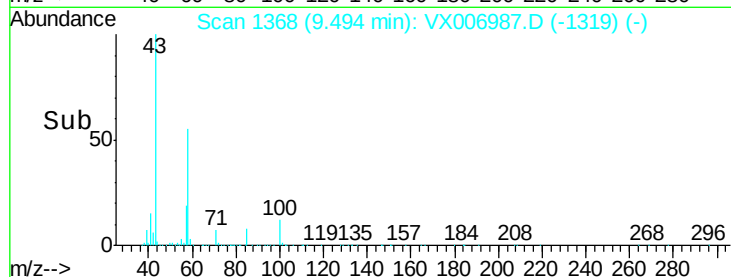
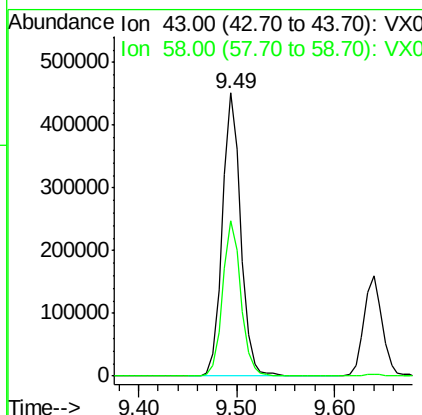
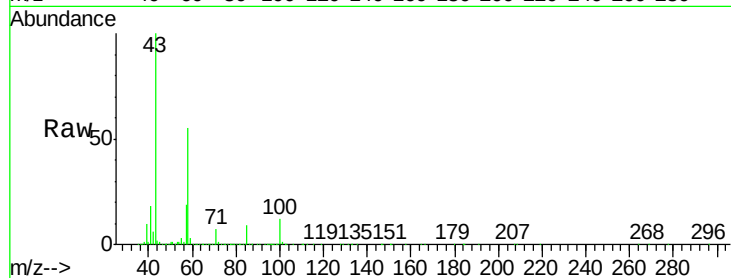
#59
2-Hexanone
Concen: 103.659 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion: 43 Resp: 588815
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.1

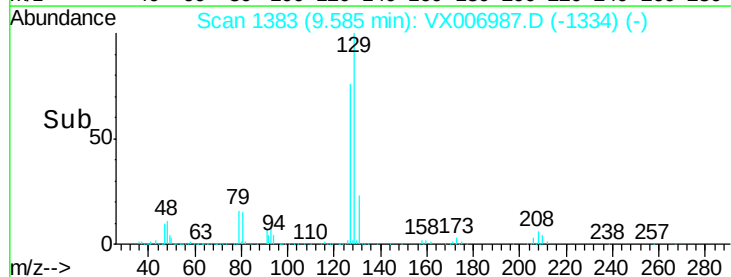
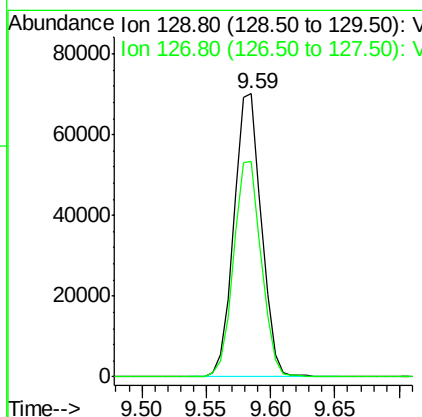
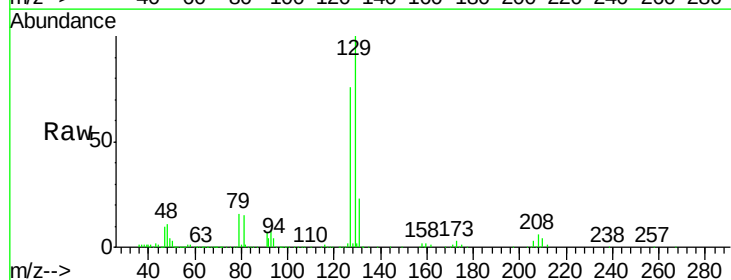
Manual Integrations
APPROVED

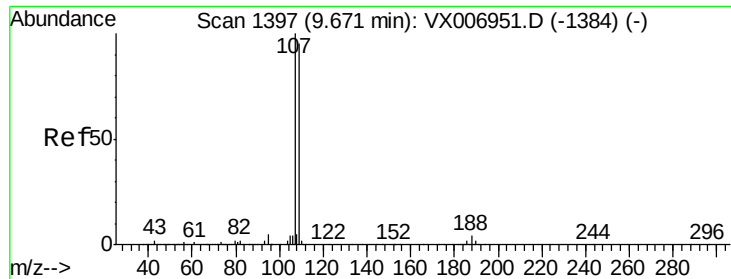
MMDadoda
1/11/2019 11:42:31 AM



#60
Dibromochloromethane
Concen: 19.933 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion: 129 Resp: 104207
Ion Ratio Lower Upper
129 100
127 76.7 39.3 117.8





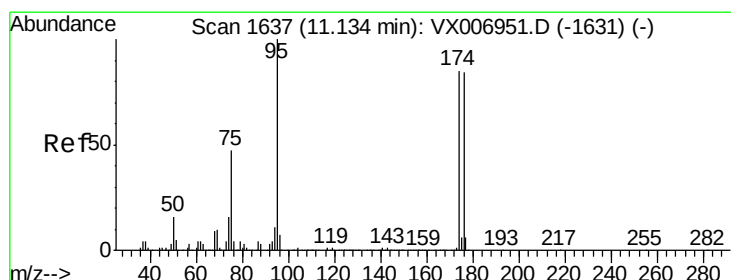
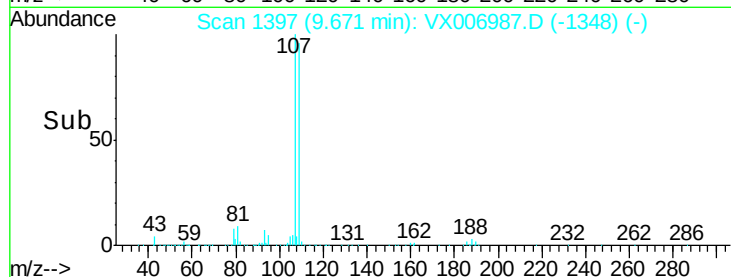
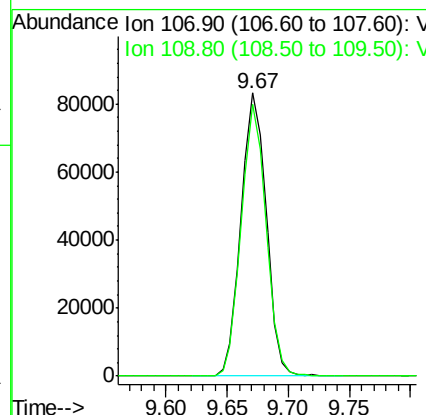
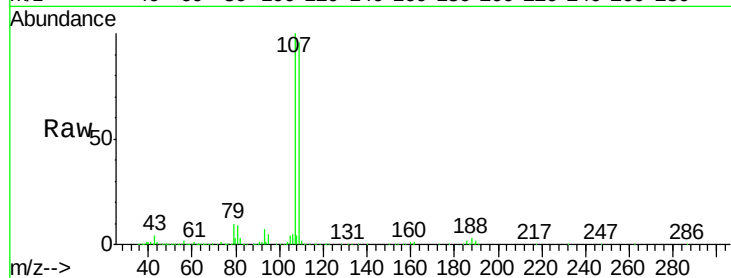
#61
 1,2-Dibromoethane
 Concen: 19.996 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	118522		
109	95.1	75.8	113.6	

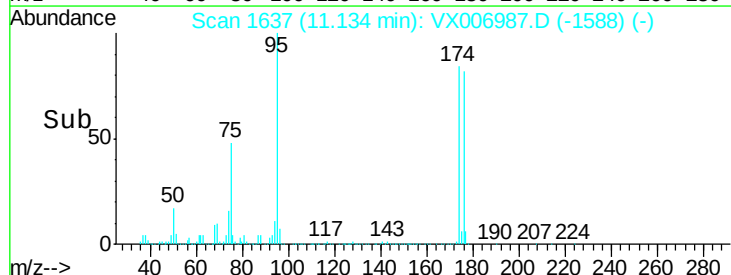
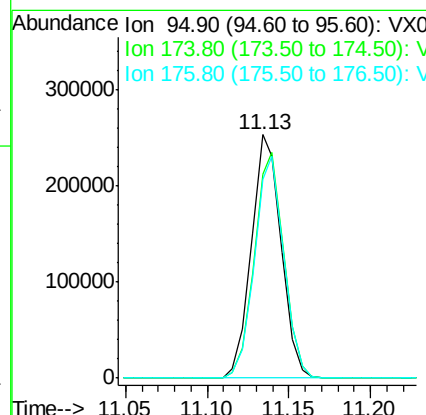
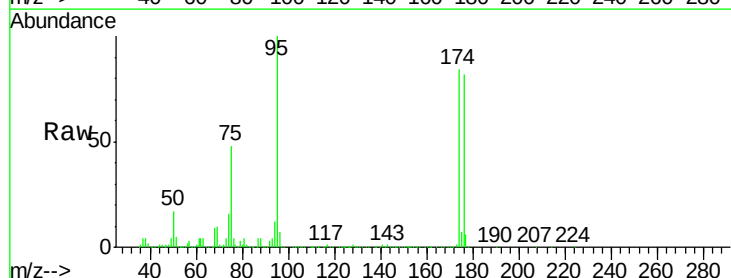
Manual Integrations
 APPROVED

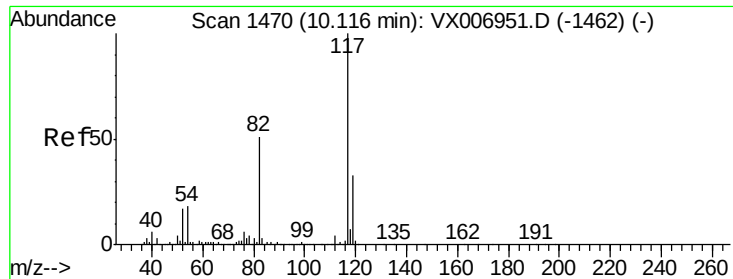
MMDadoda
 1/11/2019 11:42:31 AM



#62
 4-Bromofluorobenzene
 Concen: 49.972 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	322149		
174	91.9	0.0	182.2	
176	90.0	0.0	178.8	





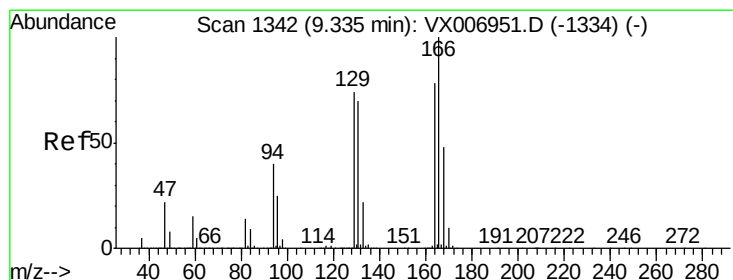
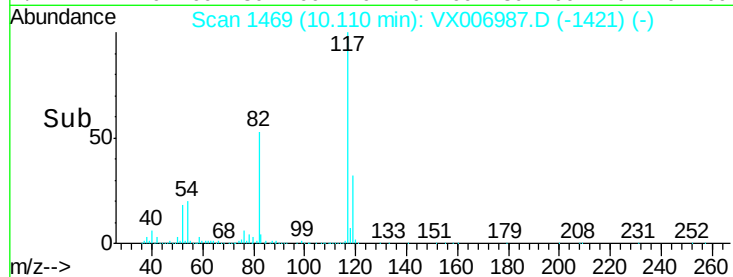
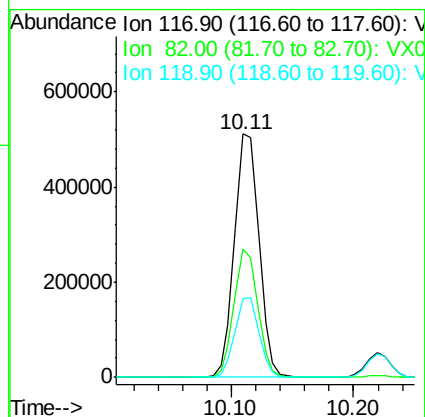
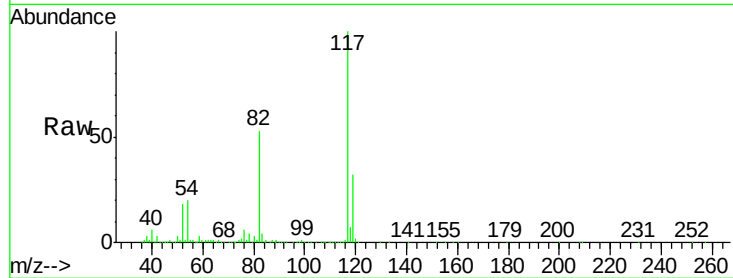
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampled :
VX0110WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	709896		
82	52.7		41.0	61.6
119	32.4		25.4	38.0

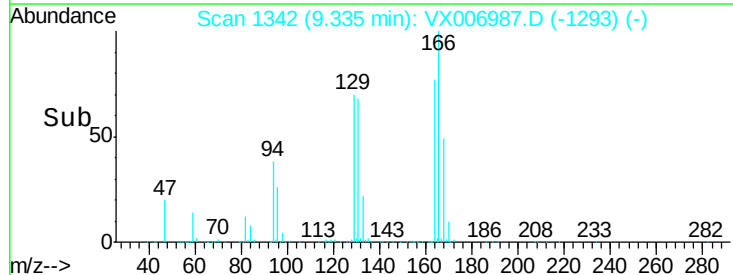
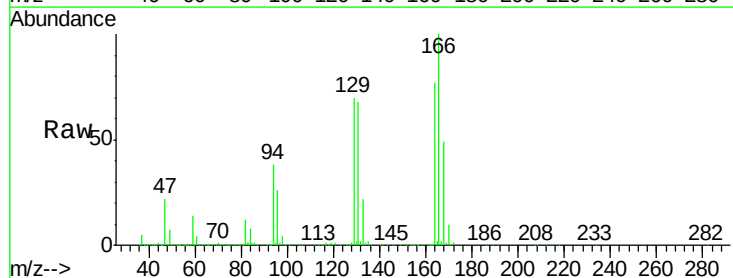
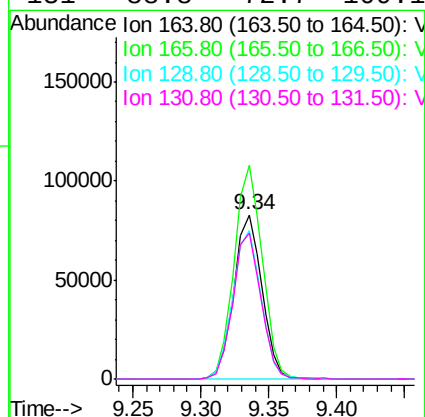
Manual Integrations
APPROVED

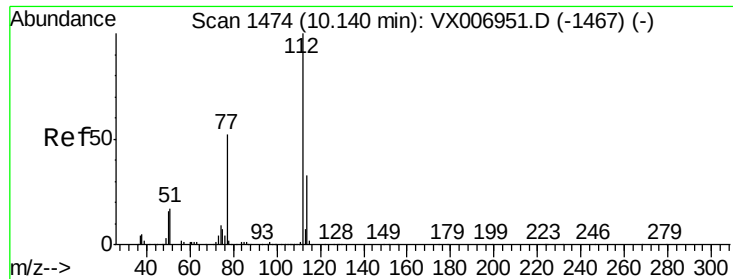
MMDadoda
1/11/2019 11:42:31 AM



#64
Tetrachloroethene
Concen: 19.525 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	120005		
166	129.8		102.5	153.7
129	90.6		75.1	112.7
131	88.8		72.7	109.1





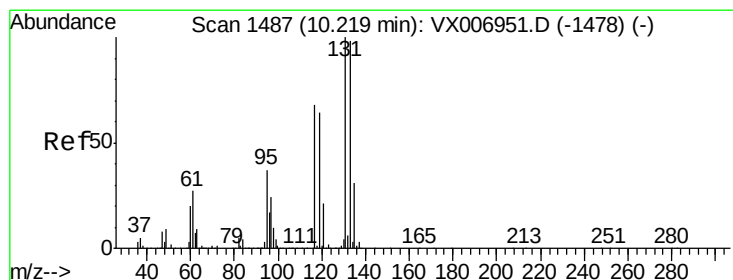
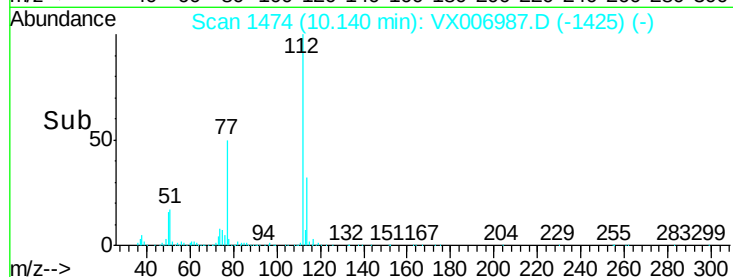
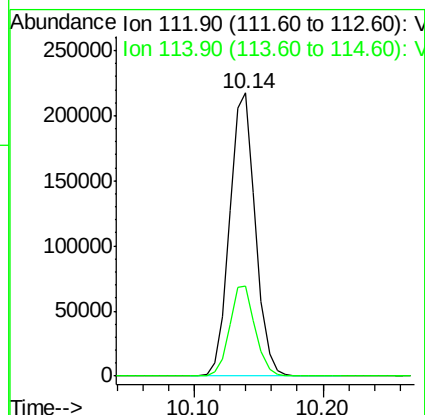
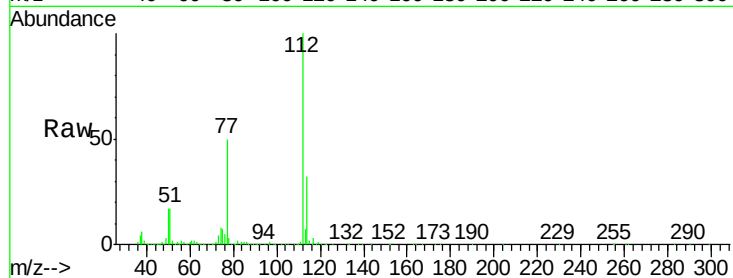
#65
Chlorobenzene
Concen: 19.649 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion:112 Resp: 304222
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

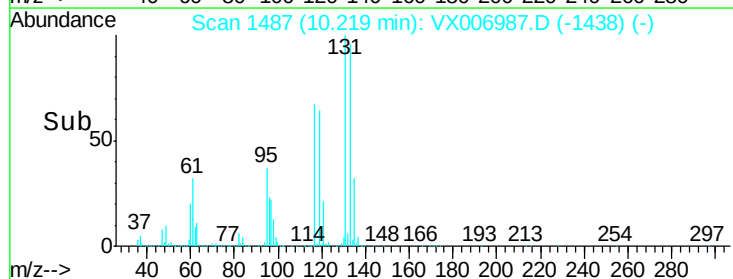
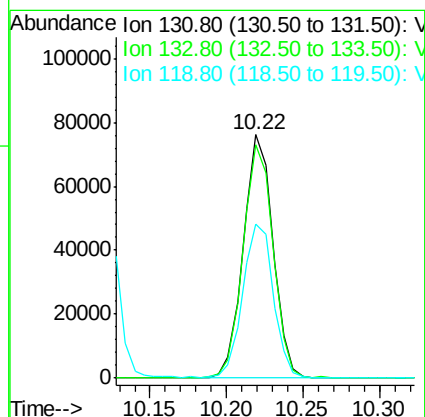
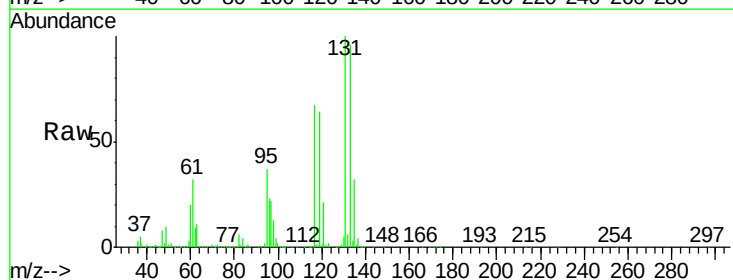
Manual Integrations
APPROVED

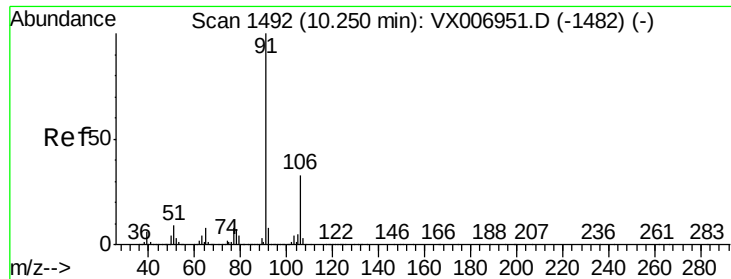
MMDadoda
1/11/2019 11:42:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.696 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion:131 Resp: 102588
Ion Ratio Lower Upper
131 100
133 96.8 48.0 144.2
119 65.5 32.6 97.8





#67

Ethyl Benzene

Concen: 19.438 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion: 91 Resp: 496854

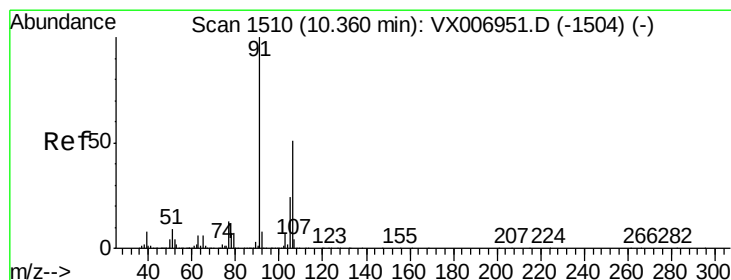
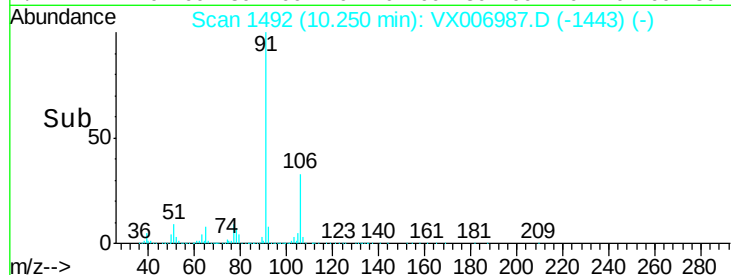
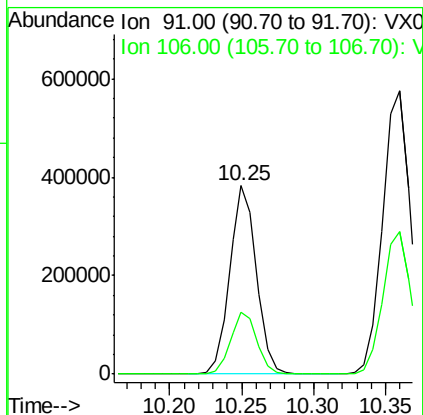
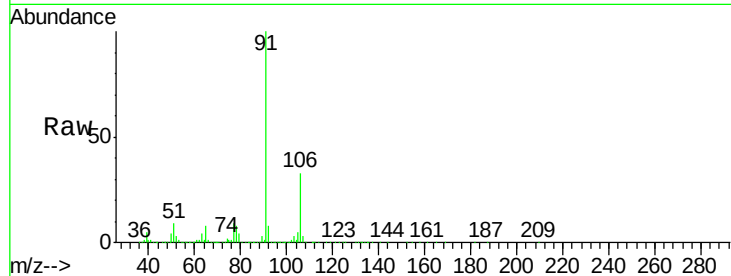
Ion Ratio Lower Upper

91 100

106 33.0 26.4 39.6

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 38.739 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006987.D

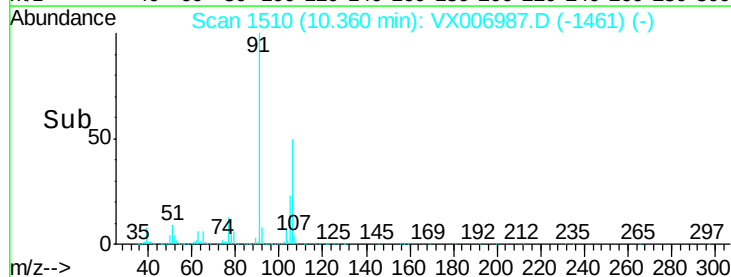
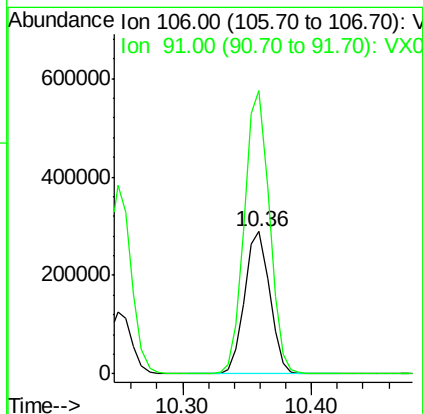
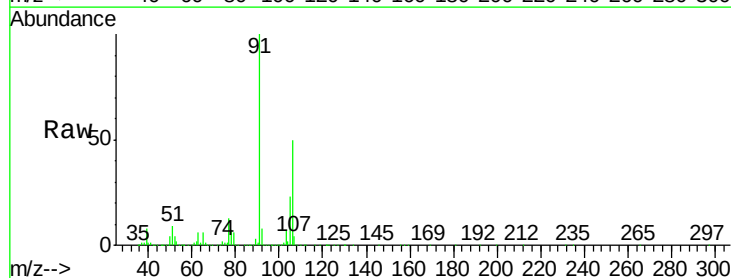
Acq: 10 Jan 2019 14:01

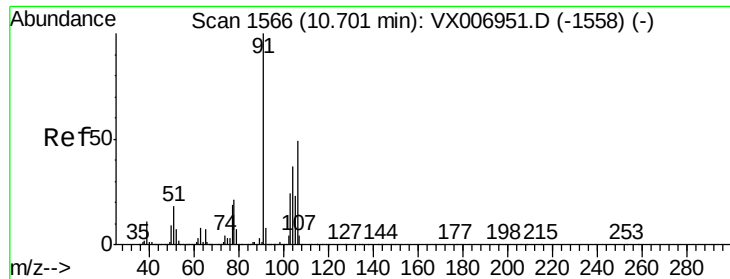
Tgt Ion: 106 Resp: 390121

Ion Ratio Lower Upper

106 100

91 197.5 155.8 233.6





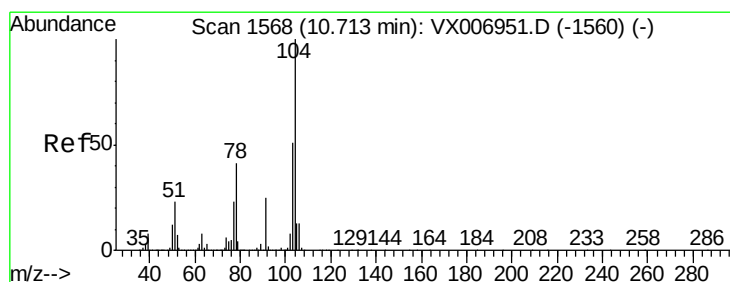
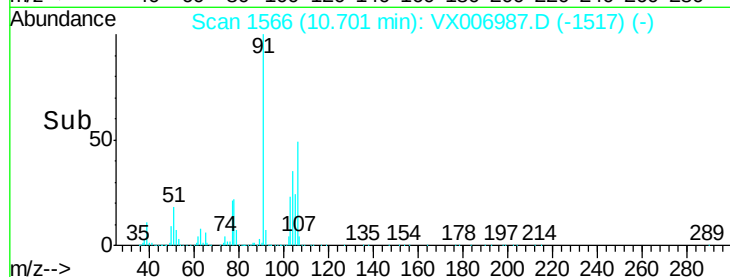
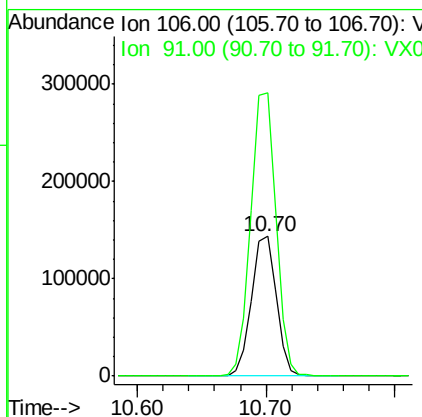
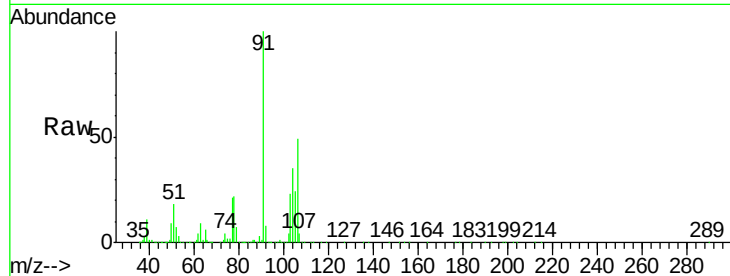
#69
o-Xylene
Concen: 19.417 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.0	101.3	303.7

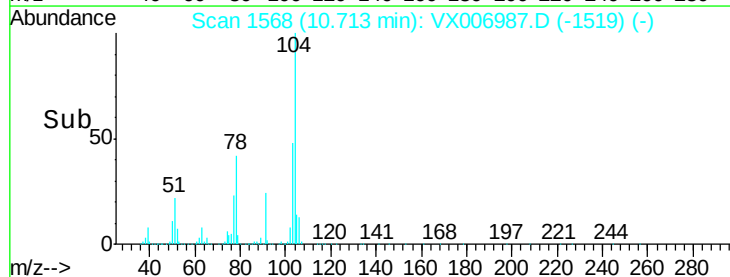
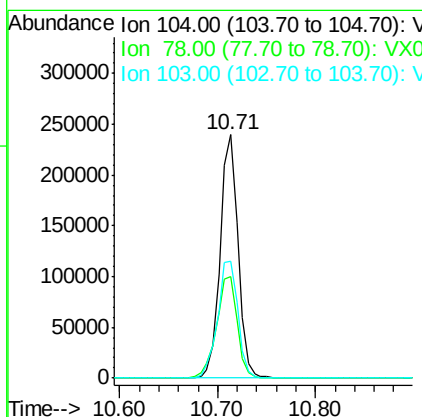
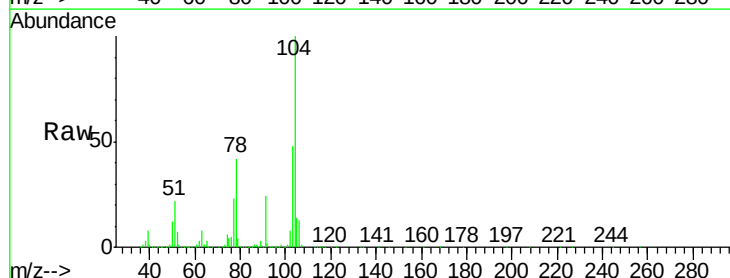
Manual Integrations
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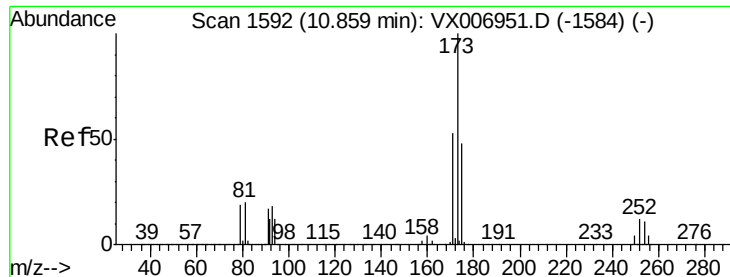
MMDadoda
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#70
Styrene
Concen: 19.568 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	37.7	56.5
103	54.9	43.8	65.8





#71

Bromoform

Concen: 18.816 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampled :

VX0110WBSD01

Tot Ion:173 Resp: 72507

Ion Ratio Lower Upper

173 100

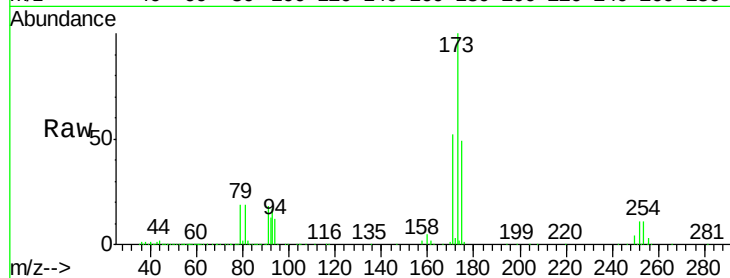
175 48.5 24.7 74.1

254 0.3 0.2 0.2#

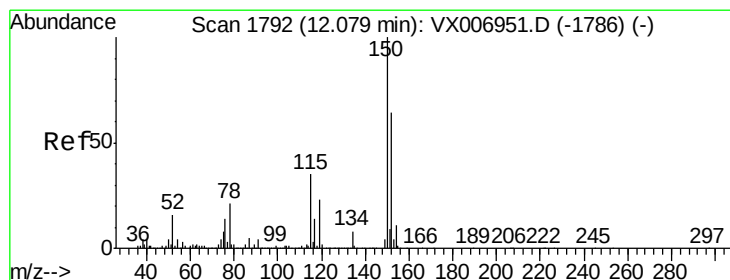
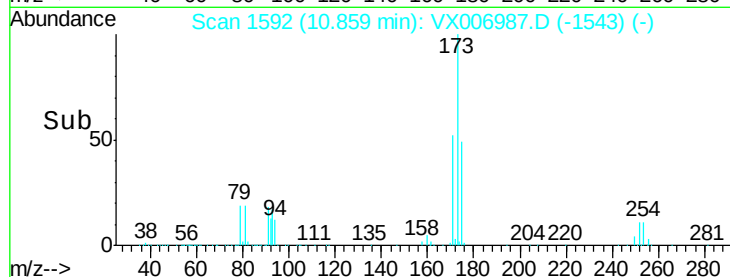
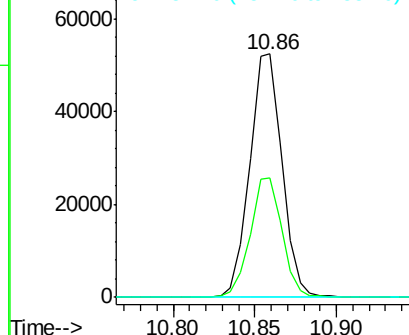
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

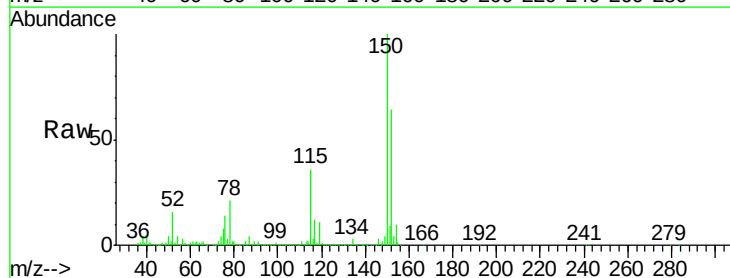
Tgt Ion:152 Resp: 354049

Ion Ratio Lower Upper

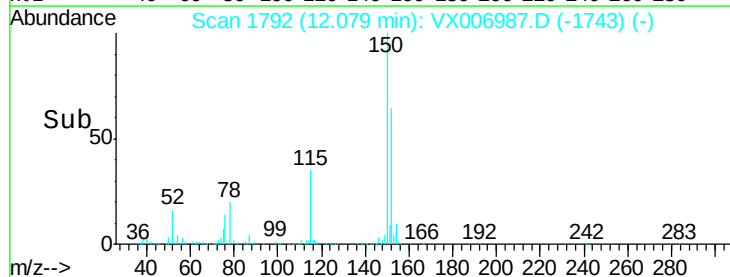
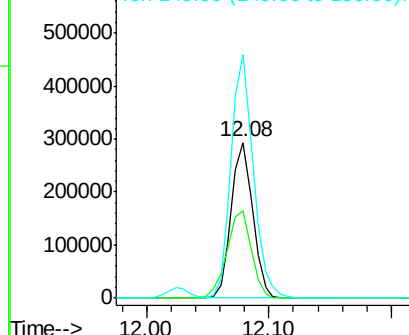
152 100

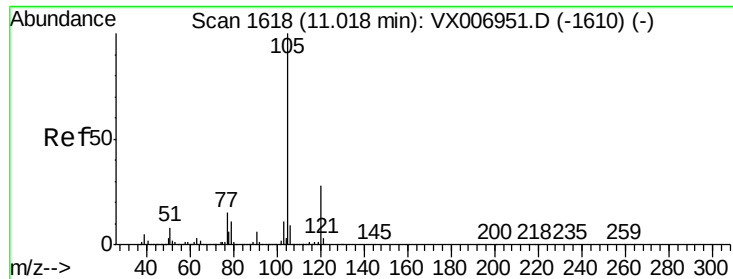
115 64.2 39.1 117.2

150 162.2 0.0 344.8



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





#73

Isopropylbenzene

Concen: 20.347 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion: 105 Resp: 507980

Ion Ratio Lower Upper

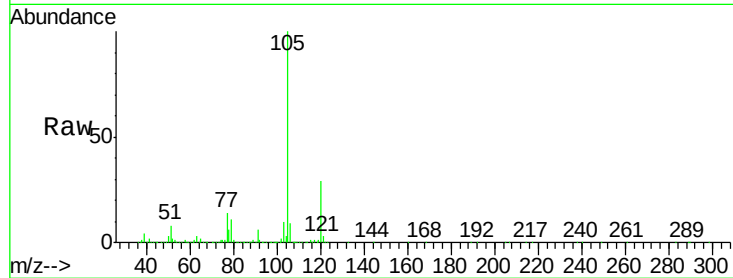
105 100

120 28.2 14.1 42.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

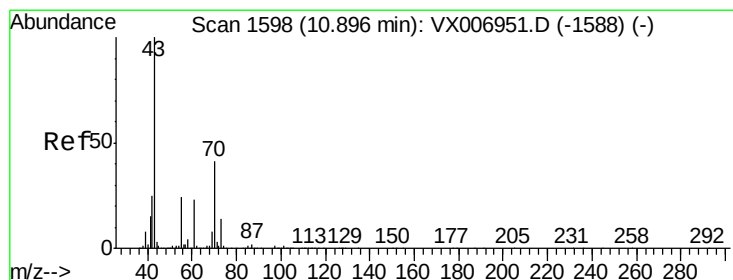
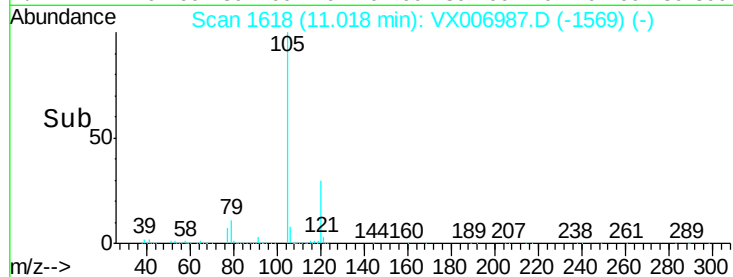
100000

0

11.02

11.00

Time-->



#74

N-ethyl acetate

Concen: 19.987 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion: 43 Resp: 200901

Ion Ratio Lower Upper

43 100

70 43.1 35.8 53.8

55 24.8 19.4 29.0

61 23.9 20.1 30.1

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

250000

200000

150000

100000

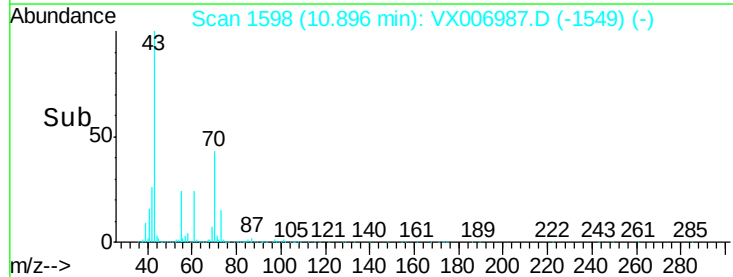
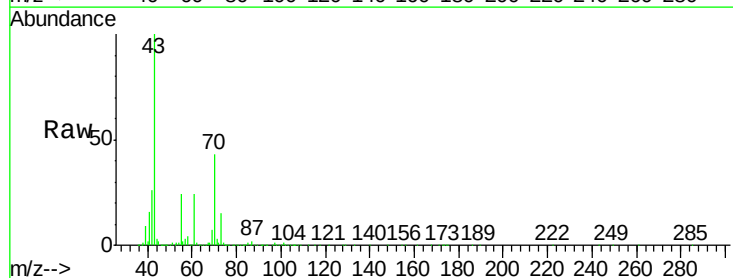
50000

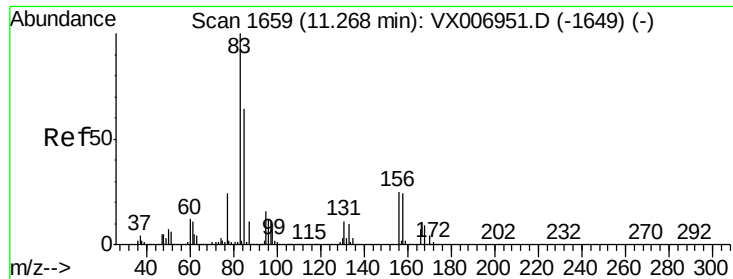
0

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.411 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion: 83 Resp: 161768

Ion Ratio Lower Upper

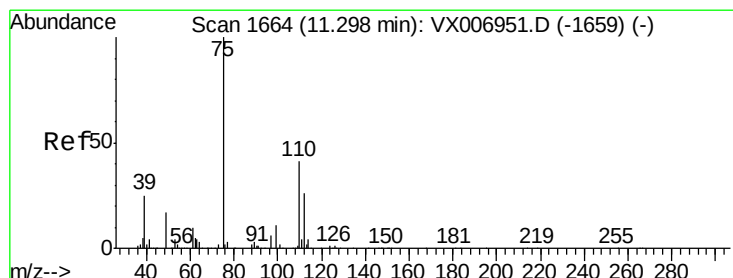
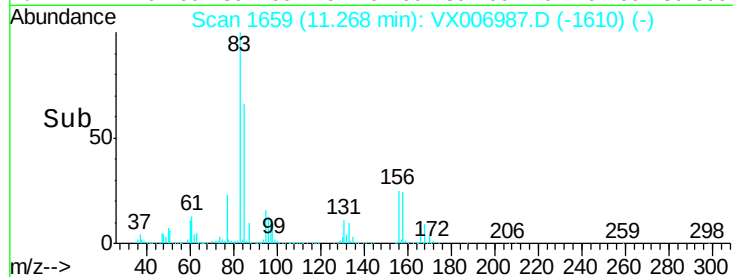
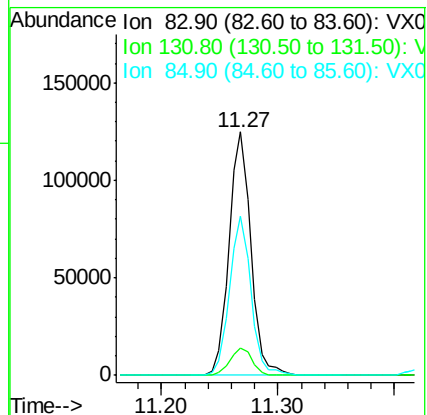
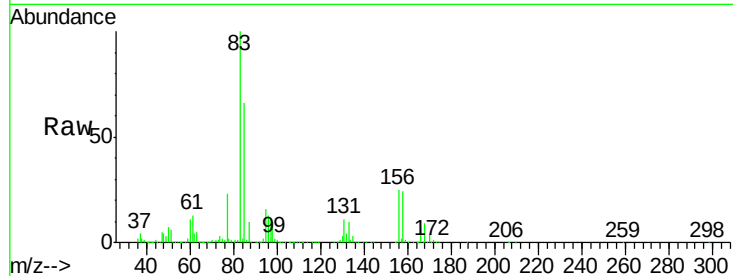
83 100

131 11.5 5.7 17.1

85 64.7 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.876 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006987.D

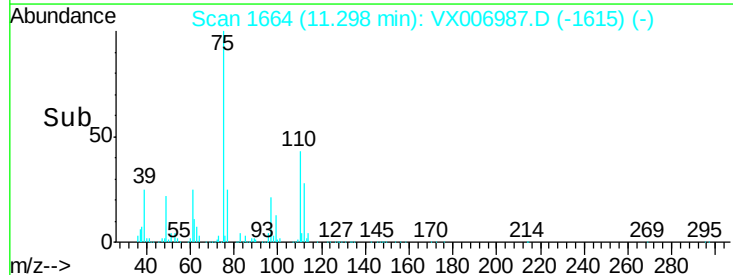
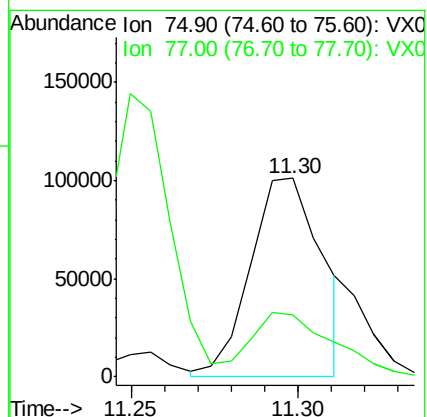
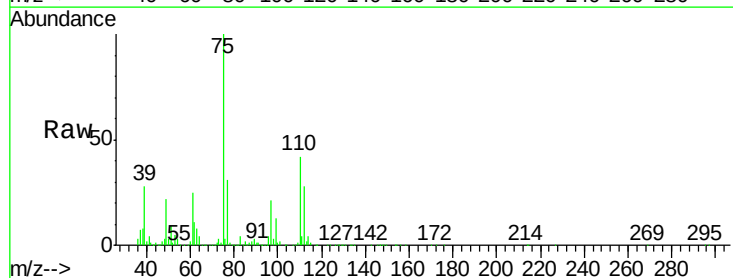
Acq: 10 Jan 2019 14:01

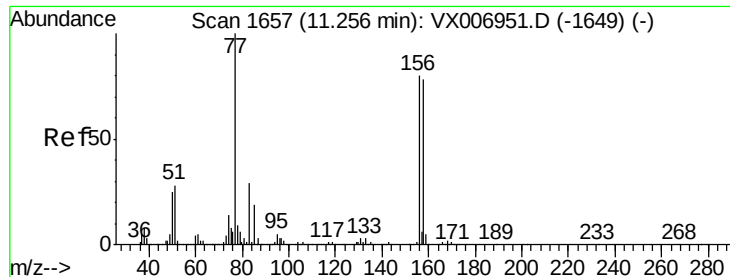
Tgt Ion: 75 Resp: 149780

Ion Ratio Lower Upper

75 100

77 38.0 18.5 55.5





#77

Bromobenzene

Concen: 20.192 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

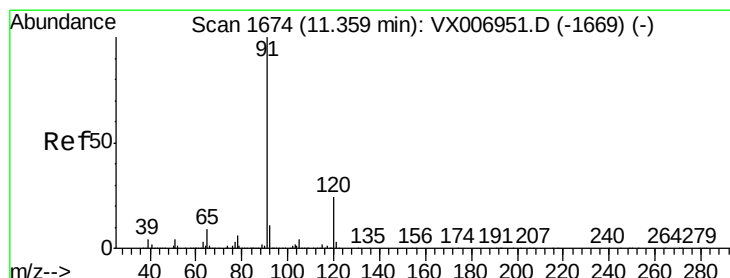
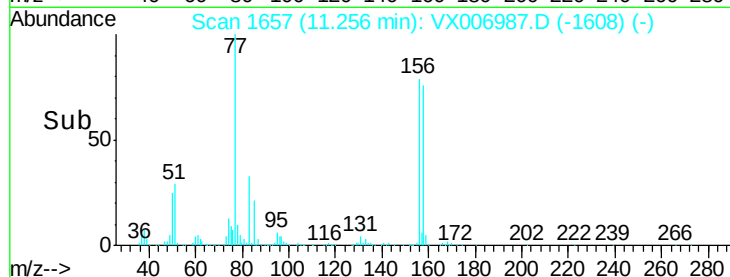
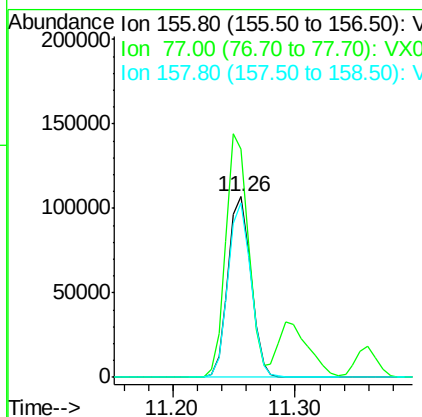
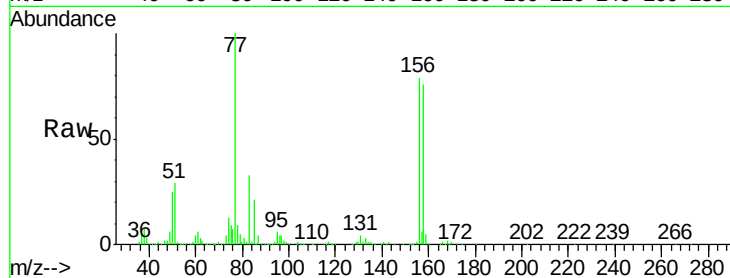
ClientSampleId :

VX0110WBSD01

Tot Ion:	156	Resp:	138900
Ion Ratio	Lower	Upper	
156	100		
77	133.3	68.0	204.0
158	96.1	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.355 ug/l

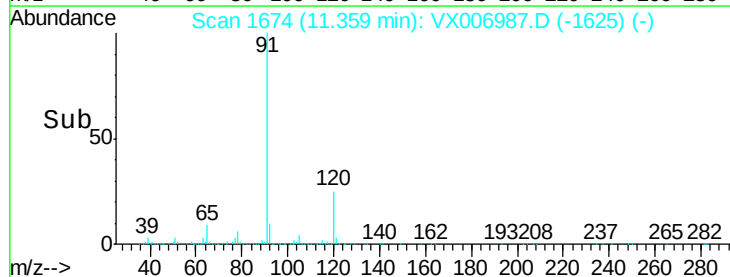
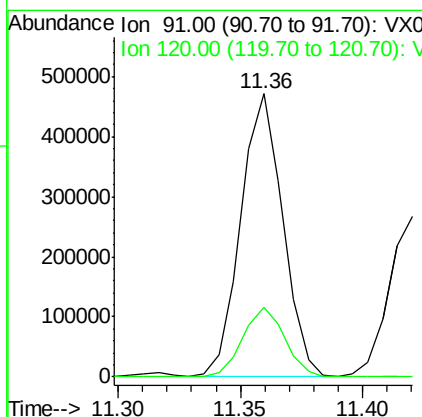
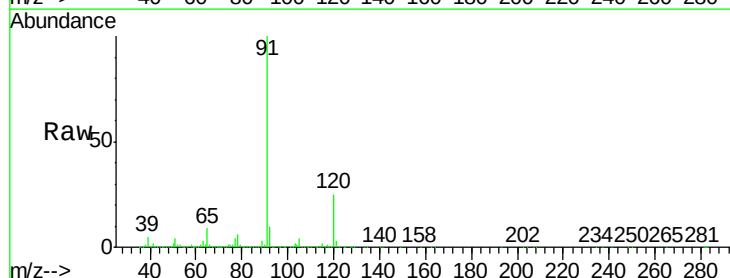
RT: 11.36 min Scan# 1674

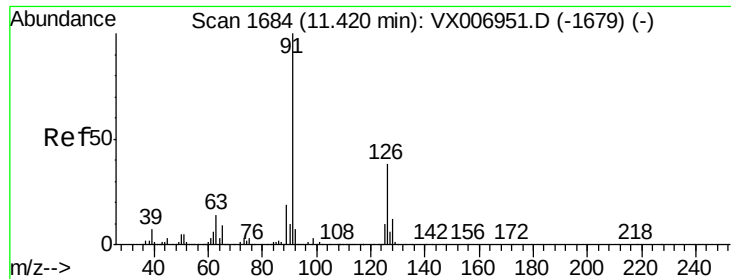
Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion:	91	Resp:	557863
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.951 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion: 91 Resp: 329145

Ion Ratio Lower Upper

91 100

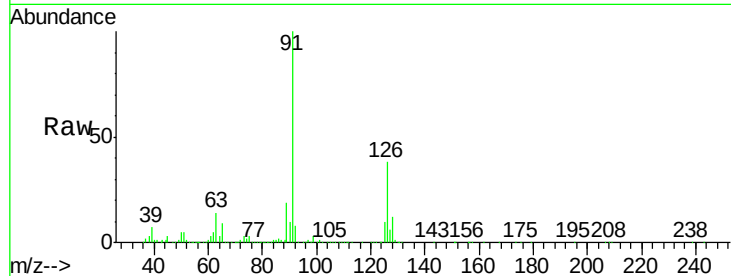
126 37.6 18.6 56.0

Manual Integrations

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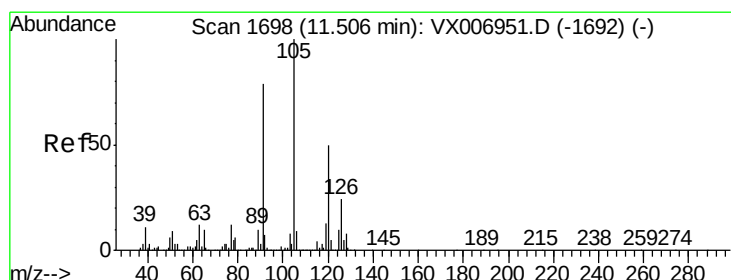
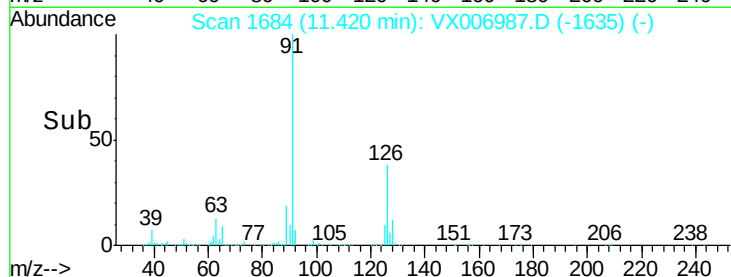
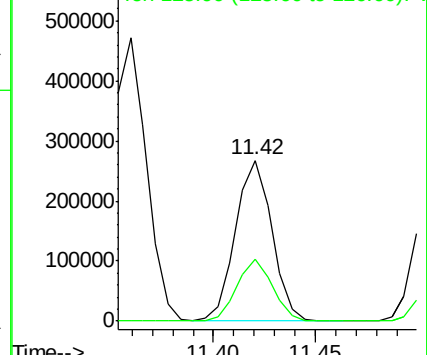
MMDadoda

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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: 19.939 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006987.D

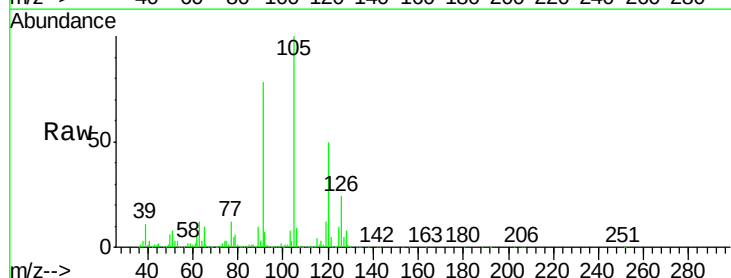
Acq: 10 Jan 2019 14:01

Tgt Ion:105 Resp: 415931

Ion Ratio Lower Upper

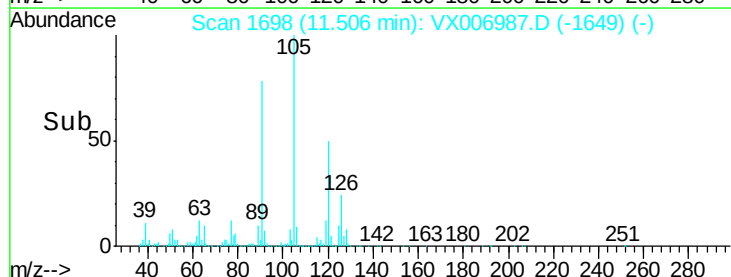
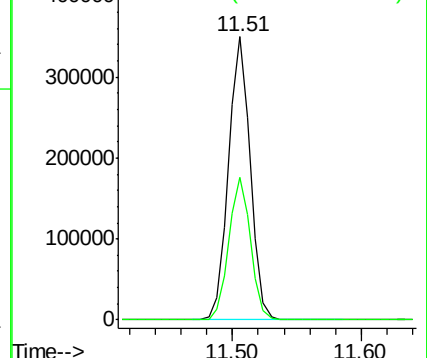
105 100

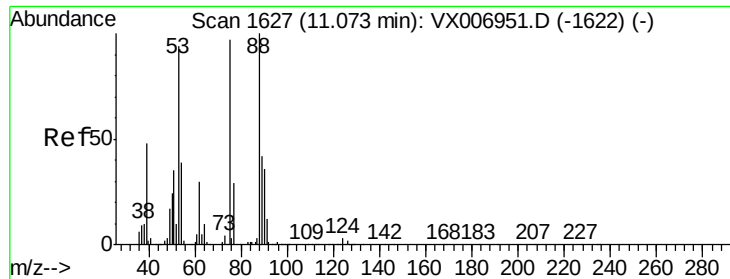
120 50.4 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.777 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

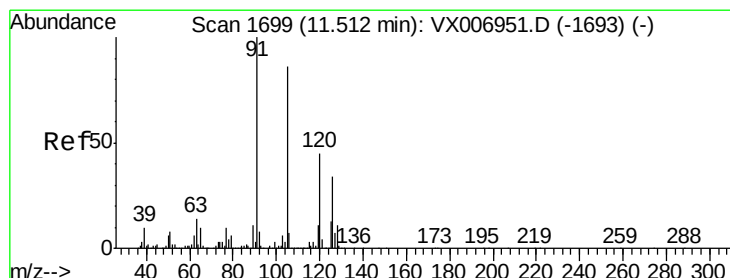
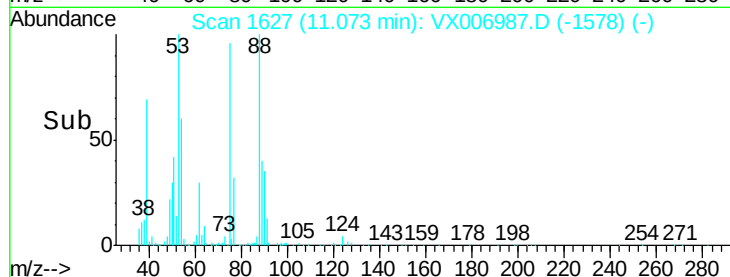
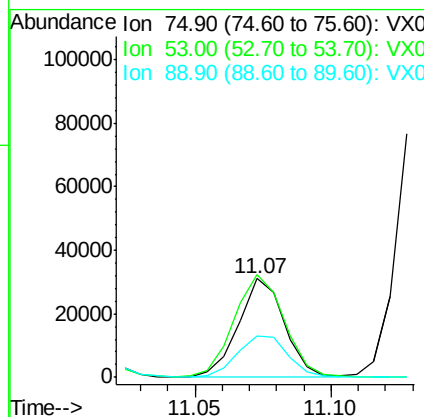
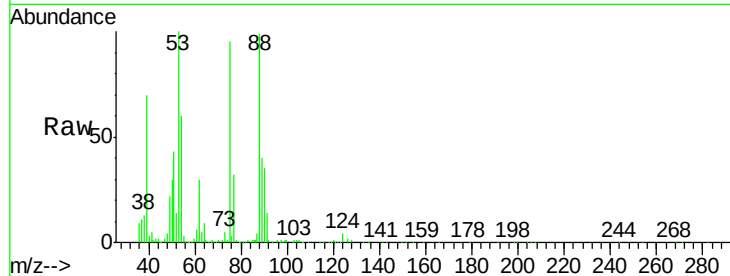
ClientSampleId :

VX0110WBSD01

Tot Ion:	75	Resp:	35993
Ion	Ratio	Lower	Upper
75	100		
53	114.6	79.7	119.5
89	47.0	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.694 ug/l

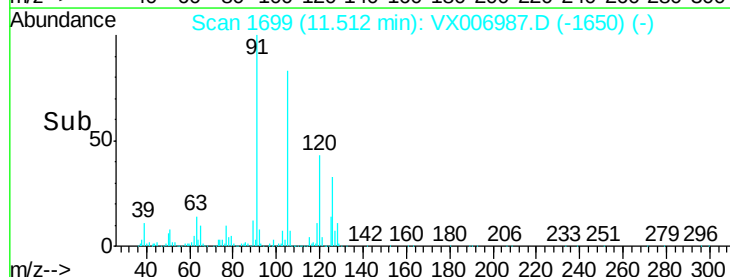
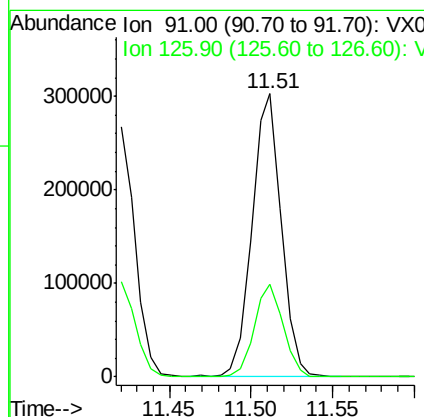
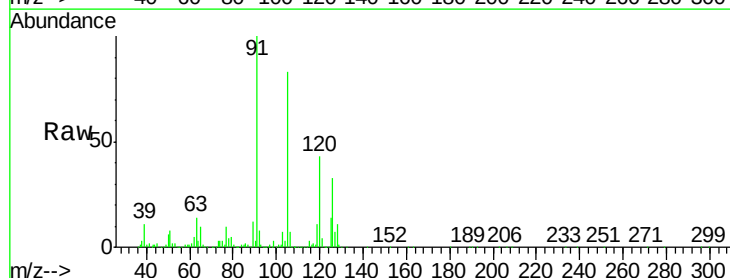
RT: 11.51 min Scan# 1699

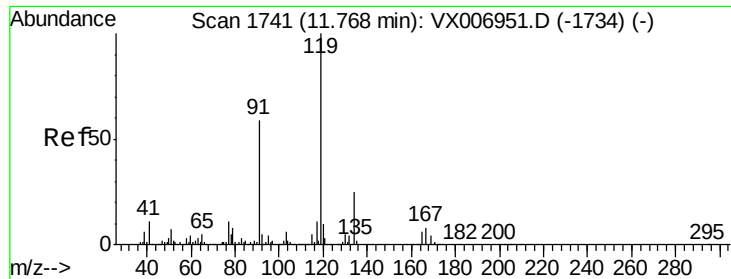
Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion:	91	Resp:	376188
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.3	48.9





#83

tert-Butylbenzene

Concen: 19.581 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

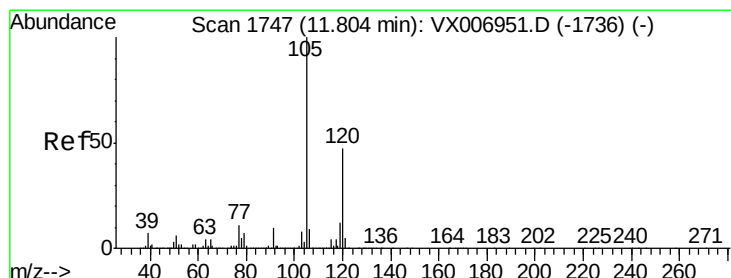
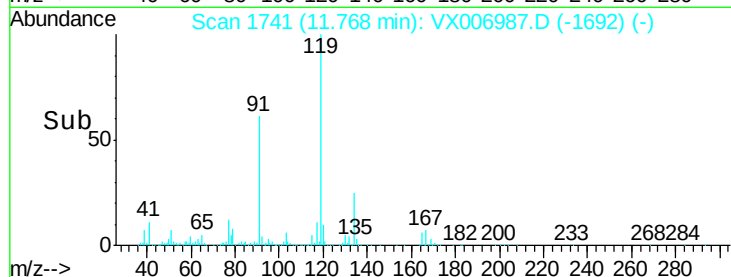
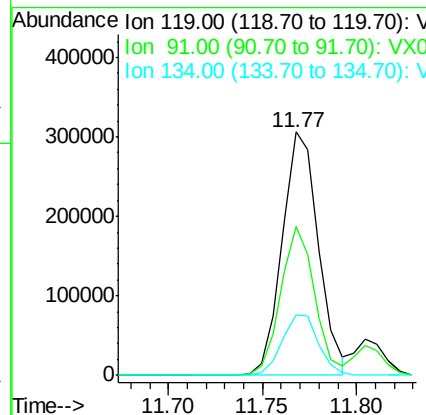
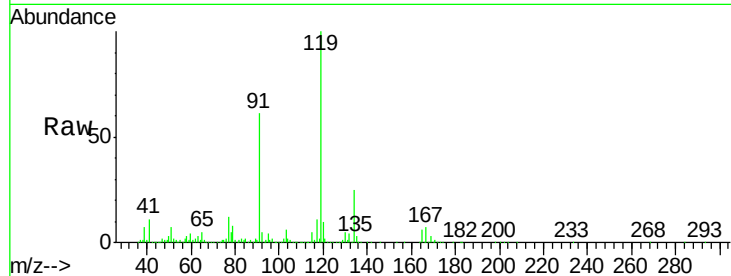
ClientSampleId :

VX0110WBSD01

Tot Ion:	119	Resp:	407547
Ion Ratio		Lower	Upper
119	100		
91	57.4	27.7	83.1
134	25.1	11.9	35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.656 ug/l

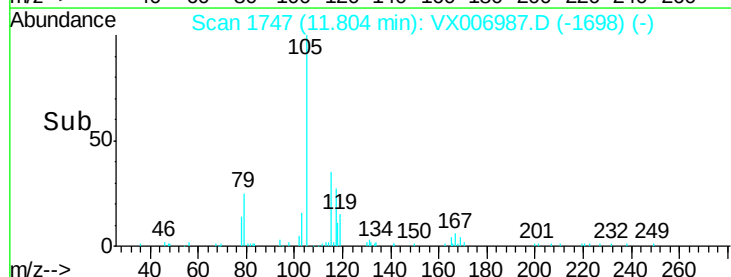
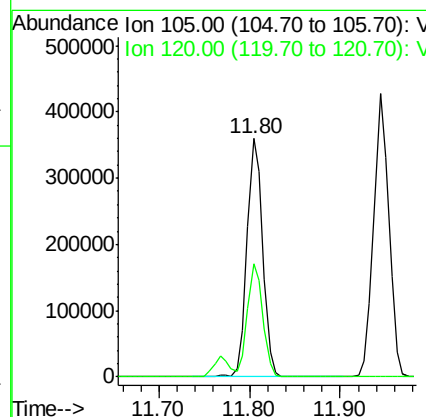
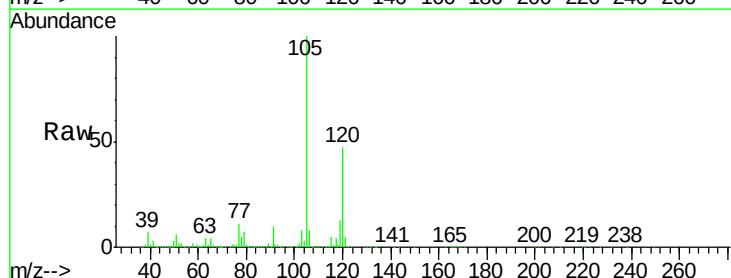
RT: 11.80 min Scan# 1747

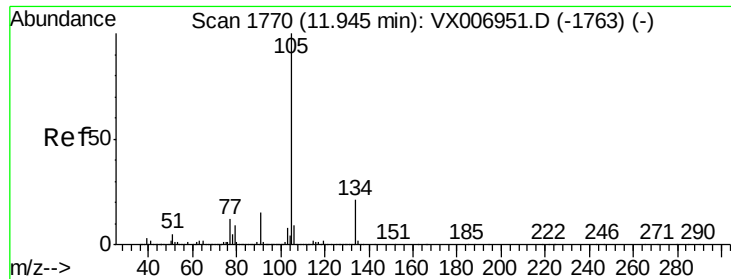
Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion:	105	Resp:	433292
Ion Ratio		Lower	Upper
105	100		
120	46.4	23.2	69.6





#85

sec-Butylbenzene

Concen: 20.281 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBSD01

Tot Ion:105 Resp: 504112

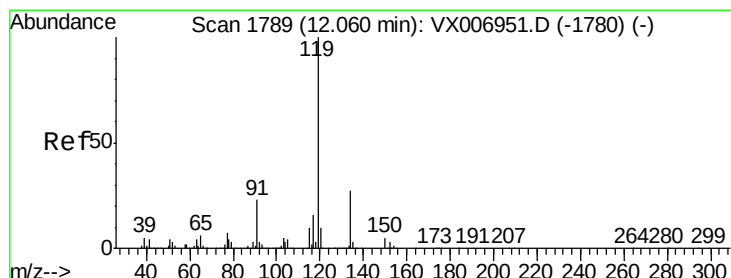
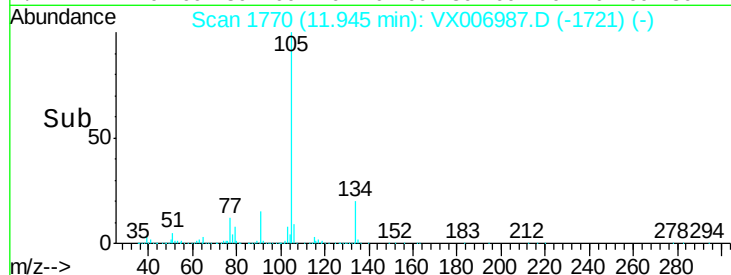
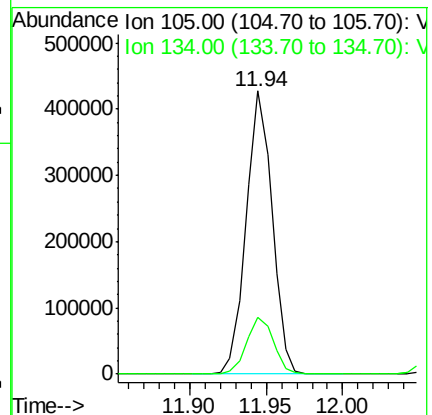
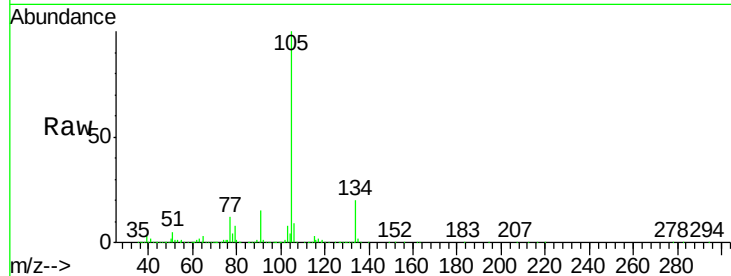
Ion Ratio Lower Upper

105 100

134 21.0 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 20.109 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

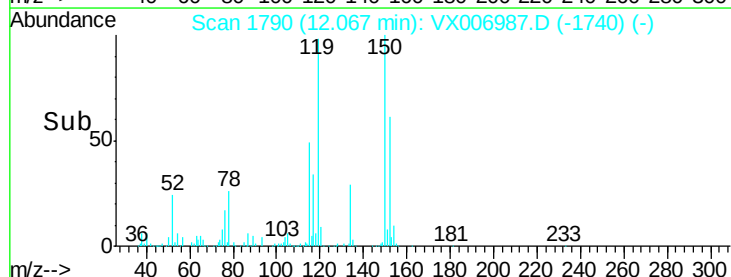
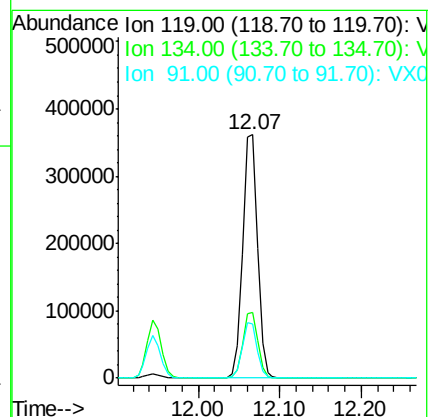
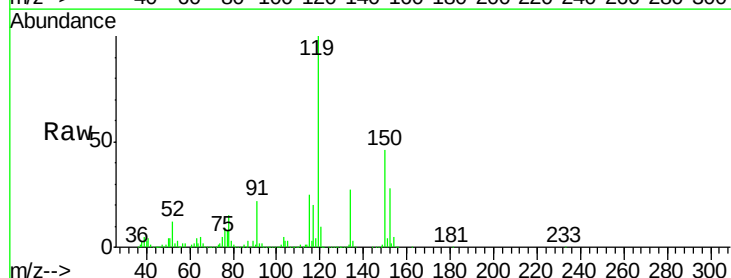
Tgt Ion:119 Resp: 447091

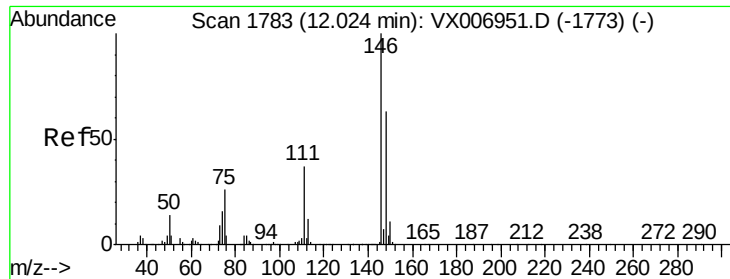
Ion Ratio Lower Upper

119 100

134 27.2 14.0 41.9

91 22.8 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 19.285 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

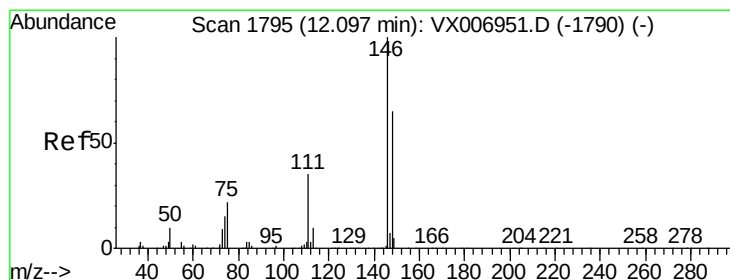
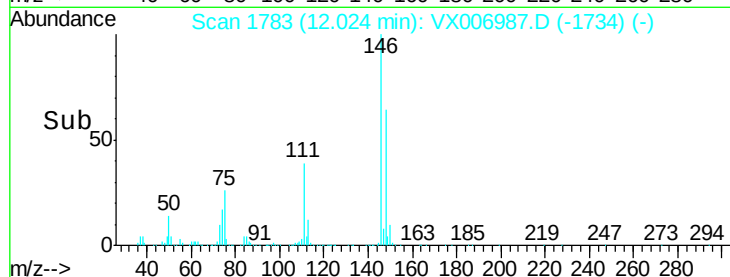
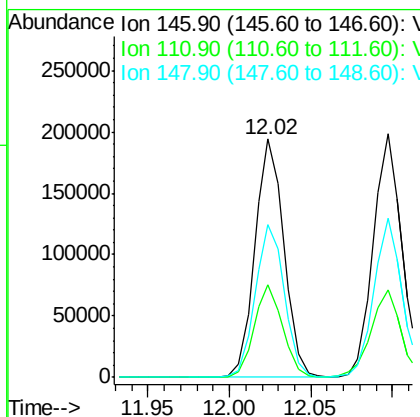
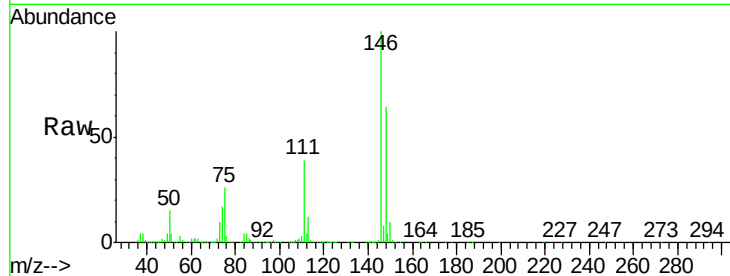
ClientSampleId :

VX0110WBSD01

Tot Ion:	146	Resp:	239783
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.6	55.8
148	64.2	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.523 ug/l

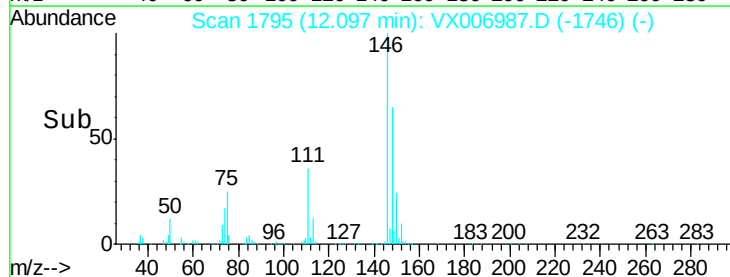
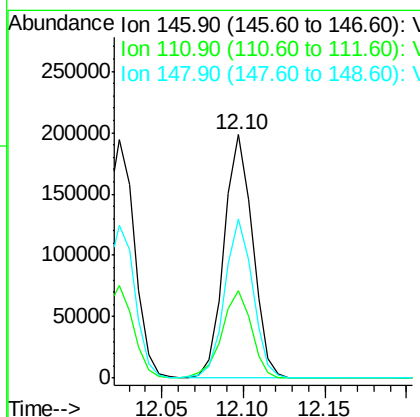
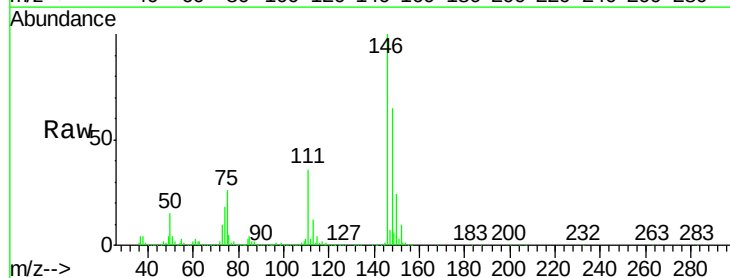
RT: 12.10 min Scan# 1795

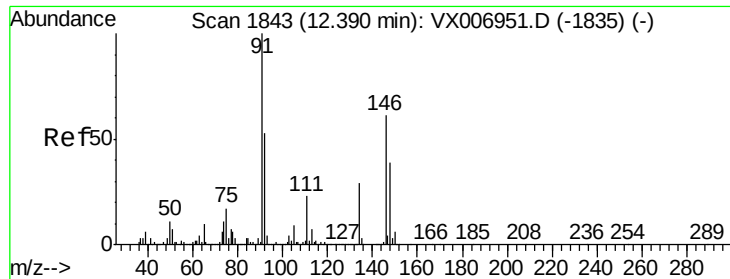
Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion:	146	Resp:	240759
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.1	54.1
148	64.5	31.9	95.9





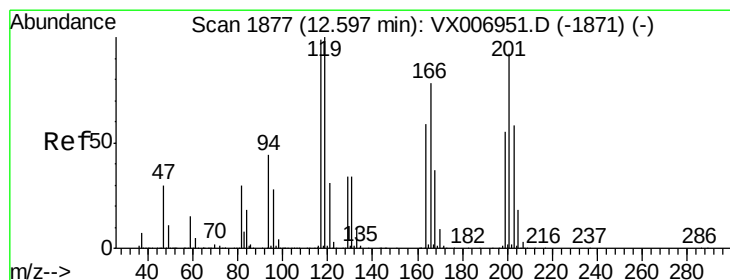
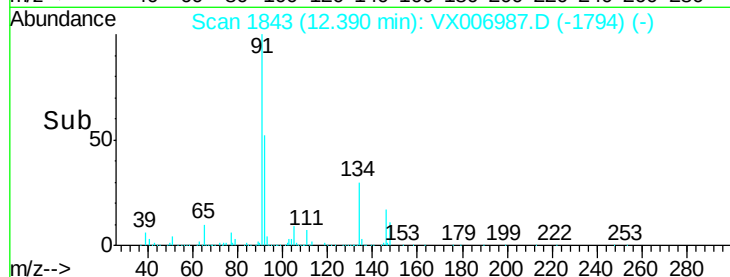
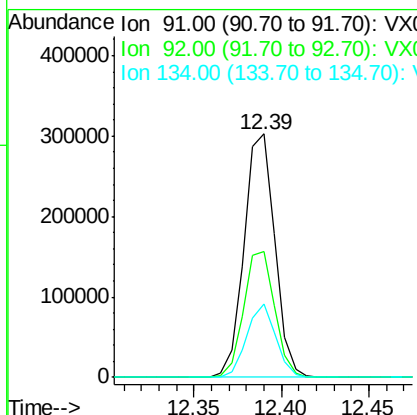
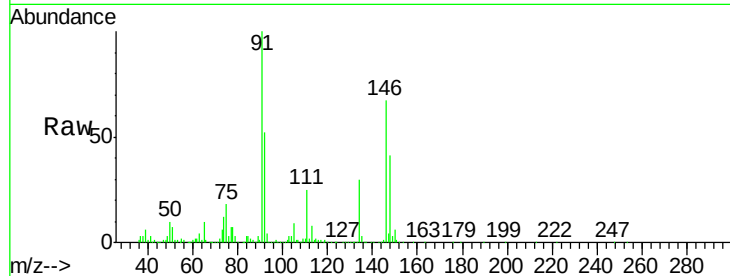
#89
n-Butylbenzene
Concen: 19.464 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	368911		
92	52.6	26.8	80.4	
134	28.6	14.4	43.2	

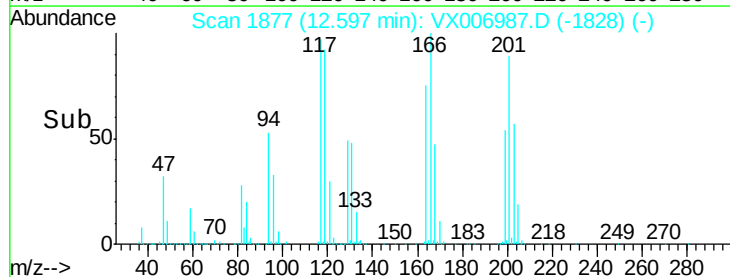
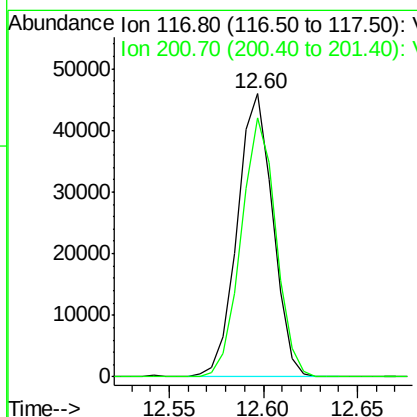
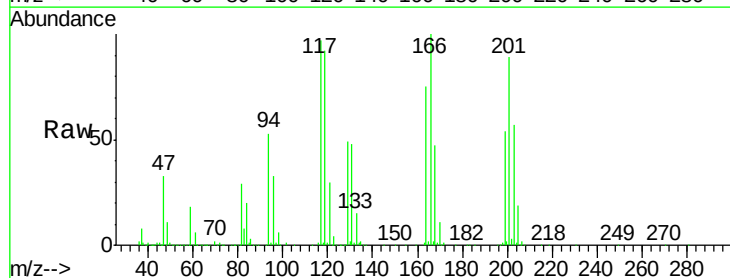
Manual Integrations
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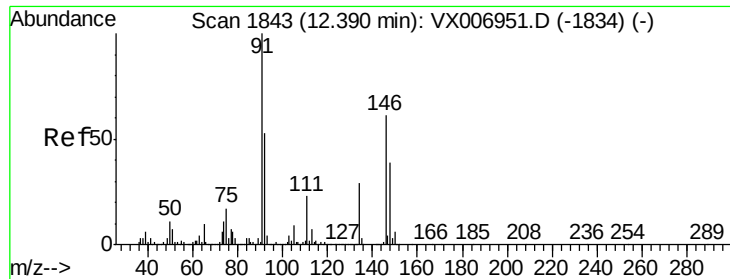
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#90
Hexachloroethane
Concen: 18.794 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006987.D
Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	59866		
201	89.6	42.9	128.7	





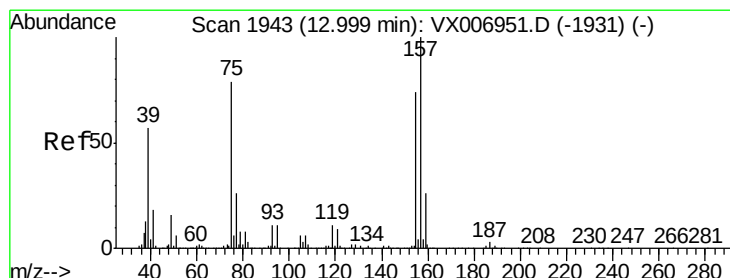
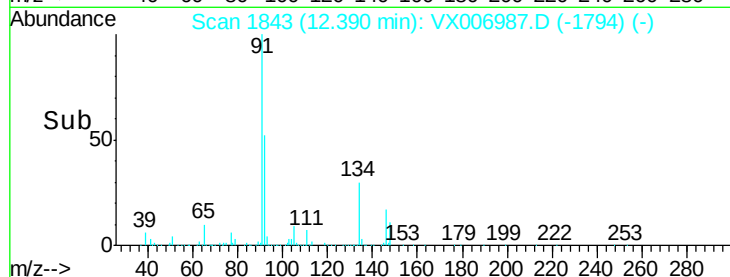
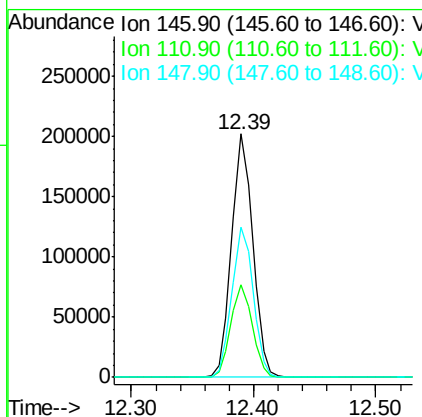
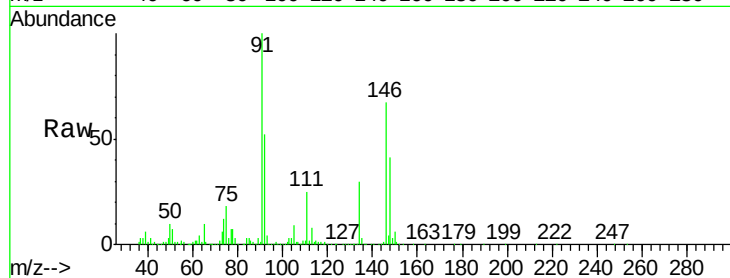
#91
 1,2-Dichlorobenzene
 Concen: 19.700 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.2
148	62.7	32.3	96.9

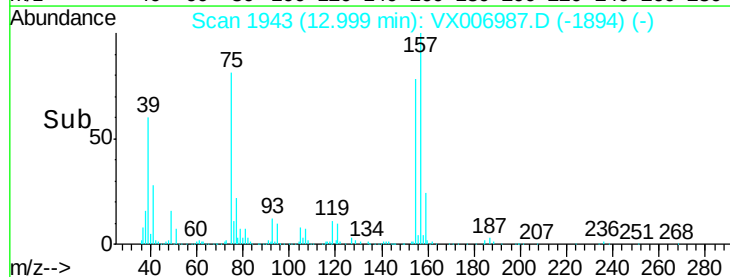
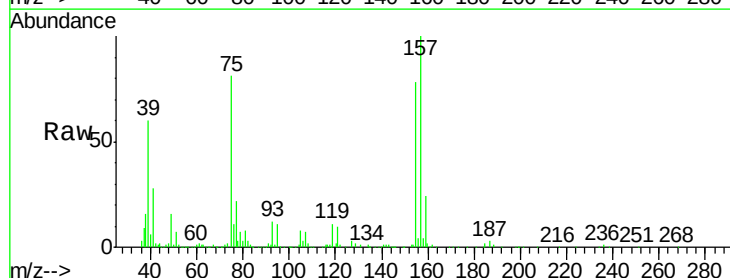
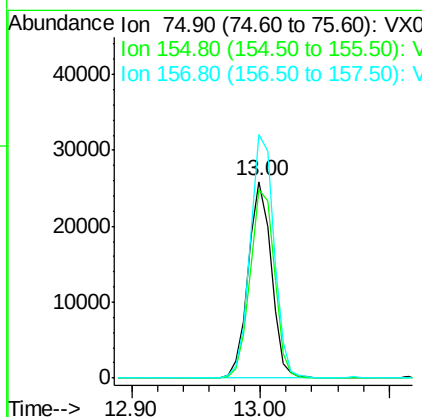
Manual Integrations
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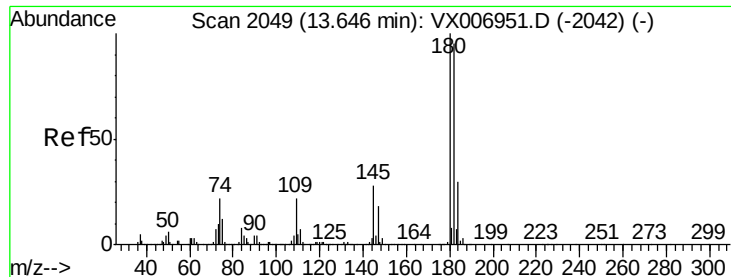
MMDadoda
 1/11/2019 11:42:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.352 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.2	50.6	151.8
157	127.4	64.6	193.8





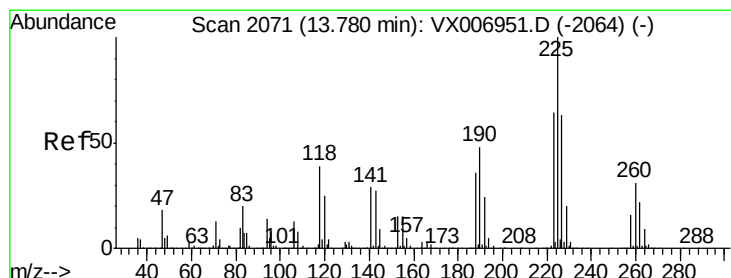
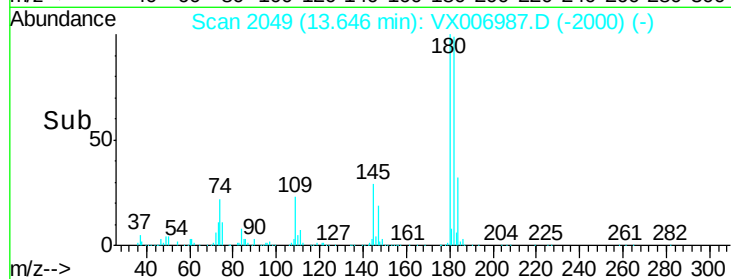
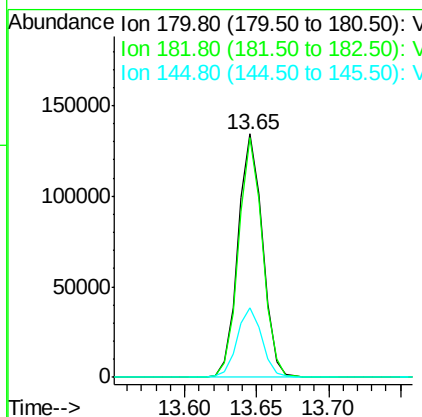
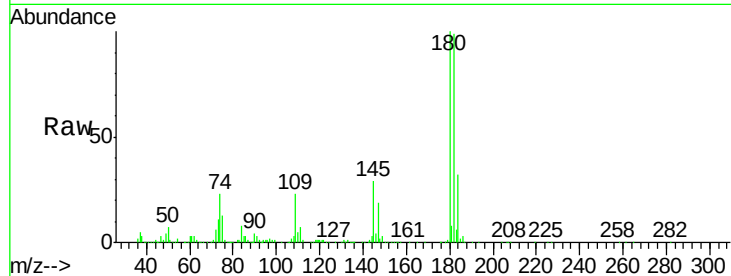
#93
 1,2,4-Trichlorobenzene
 Concen: 18.889 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Instrument :
 MSVOA_X
 ClientSampled :
 VX0110WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159014		
182	96.2	47.3	142.0	
145	28.9	14.8	44.3	

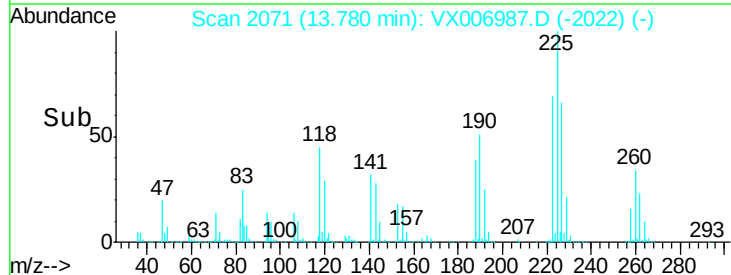
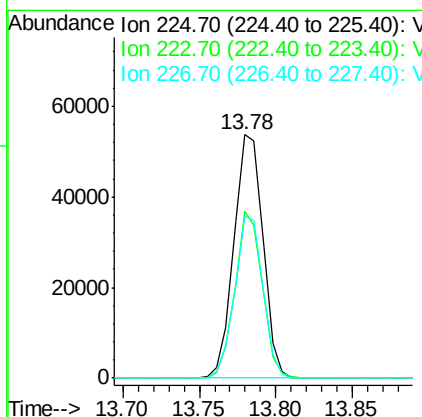
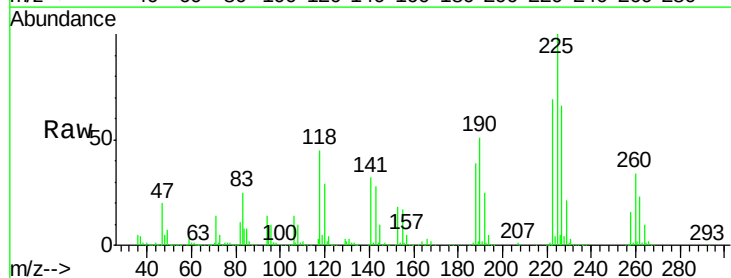
Manual Integrations
 APPROVED

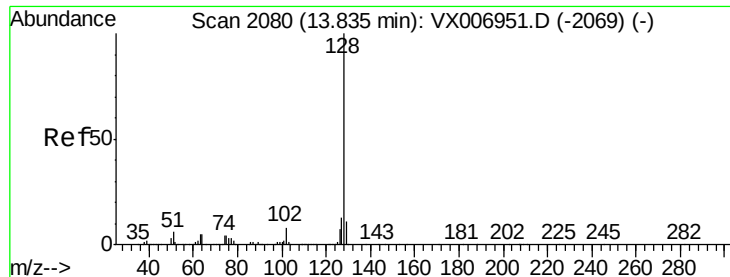
MMDadoda
 1/11/2019 11:42:31 AM



#94
 Hexachlorobutadiene
 Concen: 18.876 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006987.D
 Acq: 10 Jan 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70516		
223	64.3	32.1	96.3	
227	64.5	32.3	96.8	





#95

Naphthalene

Concen: 19.850 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Instrument :

MSVOA_X

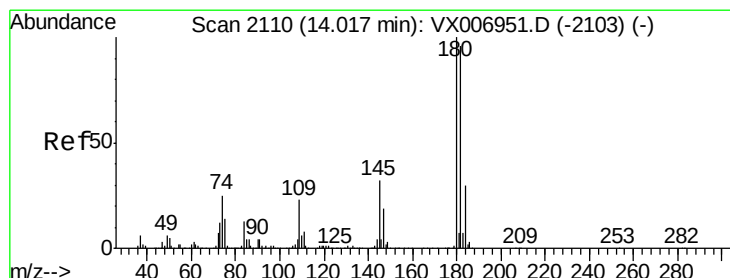
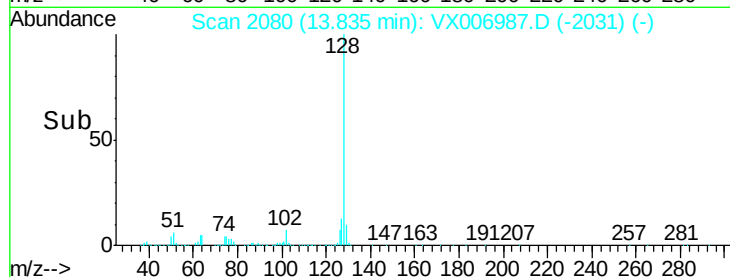
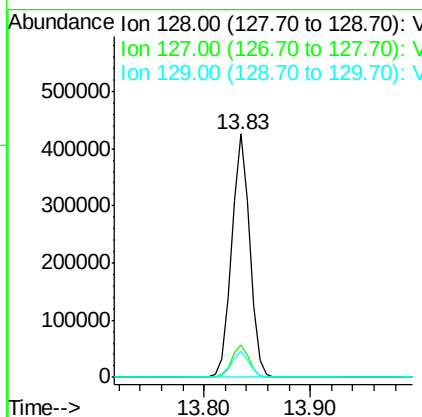
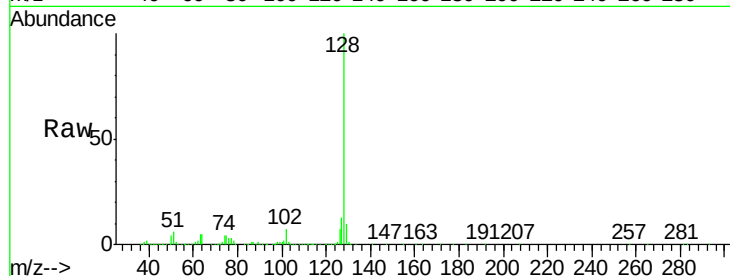
ClientSampleId :

VX0110WBSD01

Tot Ion:	128	Resp:	506339
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/11/2019 11:42:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.138 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX006987.D

Acq: 10 Jan 2019 14:01

Tgt Ion:	180	Resp:	160043
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.5	145.5
145	30.1	16.0	47.9

