

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011719\
 Data File : VX007083.D
 Acq On : 17 Jan 2019 12:43
 Operator : JC/SP
 Sample : VX0117WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0117WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 10:23:34 AM

Quant Time: Jan 18 05:50:22 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	542054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	792148	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	720099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	369634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	282646	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	5.51	113	249367	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	8.71	98	937704	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	333524	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	90123	20.246	ug/l	97
3) Chloromethane	1.33	50	107111	20.670	ug/l	99
4) Vinyl Chloride	1.41	62	118277	21.219	ug/l	100
5) Bromomethane	1.64	94	108788	18.267	ug/l	97
6) Chloroethane	1.71	64	83641	21.489	ug/l	94
7) Trichlorofluoromethane	1.93	101	197481	21.926	ug/l	94
8) Diethyl Ether	2.19	74	74108	20.682	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	109358	20.281	ug/l	99
10) Methyl Iodide	2.51	142	154478	21.238	ug/l	97
11) Tert butyl alcohol	3.08	59	131238	98.209	ug/l	100
12) 1,1-Dichloroethene	2.37	96	101532	20.380	ug/l	97
13) Acrolein	2.30	56	80980	141.860	ug/l	99
14) Allyl chloride	2.73	41	174498	20.438	ug/l	98
15) Acrylonitrile	3.15	53	322093	104.995	ug/l	99
16) Acetone	2.45	43	292247	104.353	ug/l	96
17) Carbon Disulfide	2.57	76	205199	15.998	ug/l	100
18) Methyl Acetate	2.78	43	179687	22.156	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	363919	21.046	ug/l	97
20) Methylene Chloride	2.86	84	114109	21.095	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	103671	18.673	ug/l	98
22) Diisopropyl ether	3.87	45	320253	19.952	ug/l	94
23) Vinyl Acetate	3.82	43	1284967	94.926	ug/l	99
24) 1,1-Dichloroethane	3.70	63	174243	19.413	ug/l	99
25) 2-Butanone	4.70	43	393467	98.190	ug/l	99
26) 2,2-Dichloropropane	4.59	77	121006	17.533	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	115361	18.838	ug/l	99
28) Bromochloromethane	5.02	49	76044	19.338	ug/l	95
29) Tetrahydrofuran	5.15	42	257622	98.926	ug/l	97
30) Chloroform	5.21	83	183277	19.503	ug/l	98
31) Cyclohexane	5.57	56	147760	18.497	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	149850	18.813	ug/l	98
36) 1,1-Dichloropropene	5.80	75	128927	18.720	ug/l	98
37) Ethyl Acetate	4.85	43	148584	20.124	ug/l	98
38) Carbon Tetrachloride	5.79	117	128288	18.514	ug/l	99

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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Jan 18 05:50:22 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	162078	18.460	ug/l	99
40) Benzene	6.14	78	414799	19.739	ug/l	99
41) Methacrylonitrile	5.06	41	81117	19.071	ug/l	98
42) 1,2-Dichloroethane	6.20	62	140706	19.376	ug/l	100
43) Isopropyl Acetate	6.46	43	233387	20.039	ug/l	98
44) Trichloroethene	7.21	130	120171	19.083	ug/l	93
45) 1,2-Dichloropropane	7.52	63	101655	19.241	ug/l	97
46) Dibromomethane	7.66	93	71697	19.310	ug/l	95
47) Bromodichloromethane	7.90	83	118717	18.784	ug/l	99
48) Methyl methacrylate	7.77	41	120920	20.217	ug/l	96
49) 1,4-Dioxane	7.75	88	47821	344.490	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	777504	103.878	ug/l	99
52) Toluene	8.78	92	267279	19.789	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	129606	18.494	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	144722	18.699	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	114081	21.102	ug/l	99
56) Ethyl methacrylate	9.18	69	159159	20.166	ug/l	94
57) 1,3-Dichloropropane	9.37	76	180263	20.353	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	423879	104.456	ug/l	99
59) 2-Hexanone	9.49	43	582340	102.096	ug/l	99
60) Dibromochloromethane	9.59	129	101445	19.324	ug/l	99
61) 1,2-Dibromoethane	9.67	107	122167	20.526	ug/l	98
64) Tetrachloroethene	9.34	164	127779	20.496	ug/l	96
65) Chlorobenzene	10.14	112	309279	19.692	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	106614	20.179	ug/l	97
67) Ethyl Benzene	10.25	91	506630	19.540	ug/l	100
68) m/p-Xylenes	10.36	106	400200	39.176	ug/l	99
69) o-Xylene	10.70	106	197448	19.819	ug/l	98
70) Styrene	10.71	104	318229	20.168	ug/l	99
71) Bromoform	10.86	173	72580	18.630	ug/l	98
73) Isopropylbenzene	11.02	105	531395	20.388	ug/l	99
74) N-amyl acetate	10.90	43	205433	19.576	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	161937	19.570	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	147820m	19.734	ug/l	
77) Bromobenzene	11.26	156	144233	20.083	ug/l	99
78) n-propylbenzene	11.36	91	578731	20.226	ug/l	100
79) 2-Chlorotoluene	11.42	91	343966	19.970	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	425949	19.558	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	35667	17.065	ug/l	88
82) 4-Chlorotoluene	11.51	91	396496	19.882	ug/l	100
83) tert-Butylbenzene	11.77	119	427725	19.684	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	443231	20.238	ug/l	100
85) sec-Butylbenzene	11.94	105	520798	20.069	ug/l	99
86) p-Isopropyltoluene	12.06	119	466482	20.096	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	253188	19.505	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	253254	20.677	ug/l	99
89) n-Butylbenzene	12.39	91	396118	20.019	ug/l	99
90) Hexachloroethane	12.60	117	61773	18.609	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	254214	19.845	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29662	18.125	ug/l	95

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ClientSampleId :
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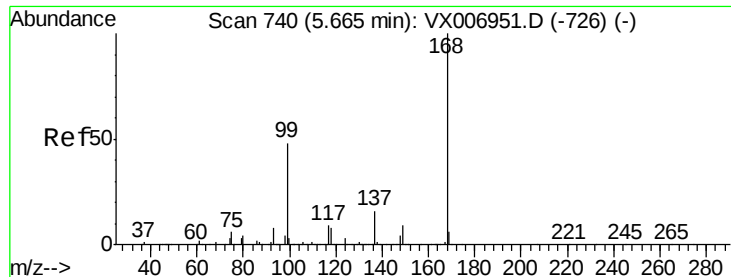
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	174029	19.801	ug/l	99
94) Hexachlorobutadiene	13.78	225	80527	20.647	ug/l	98
95) Naphthalene	13.83	128	541845	20.346	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	175066	20.052	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion:168 Resp: 542054

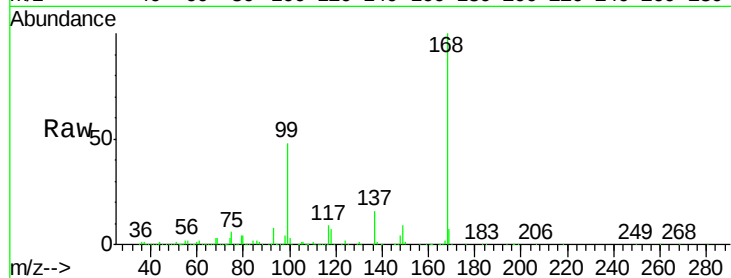
Ion Ratio Lower Upper

168 100

99 48.3 41.8 62.8

Manual Integrations
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1/18/2019 10:23:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

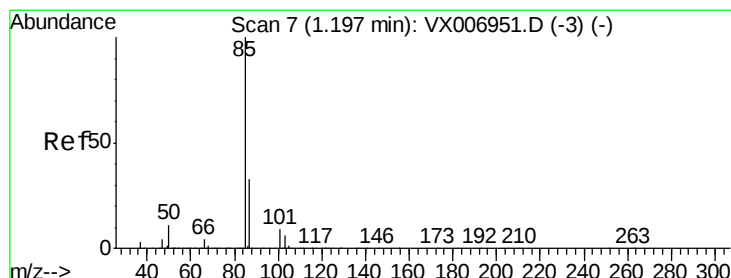
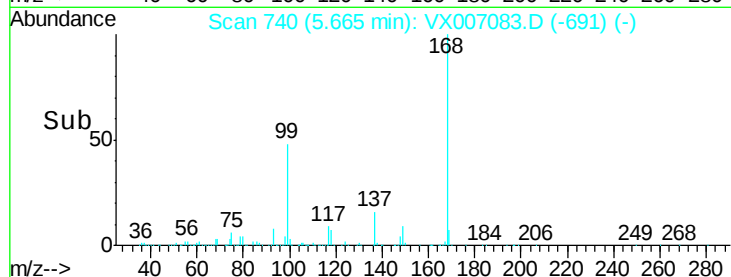
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.246 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007083.D

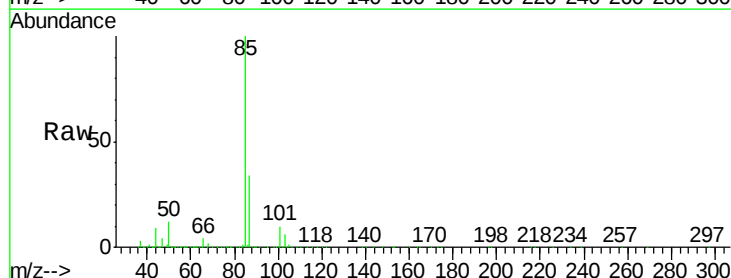
Acq: 17 Jan 2019 12:43

Tgt Ion: 85 Resp: 90123

Ion Ratio Lower Upper

85 100

87 33.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

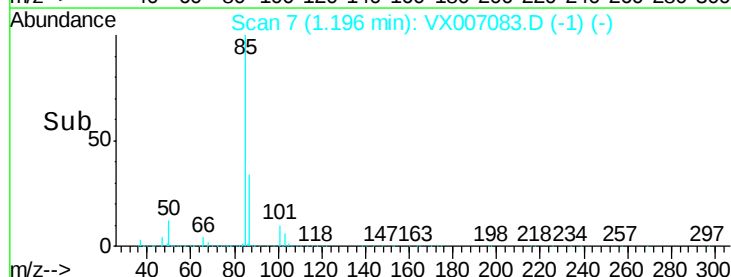
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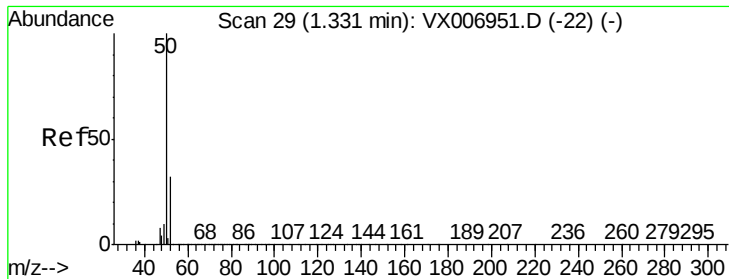
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.670 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion: 50 Resp: 107111

Ion Ratio Lower Upper

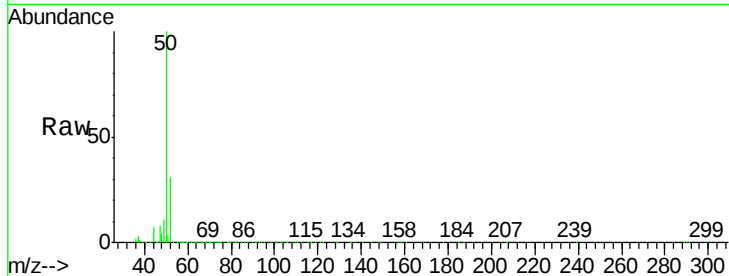
50 100

52 31.1 25.4 38.2

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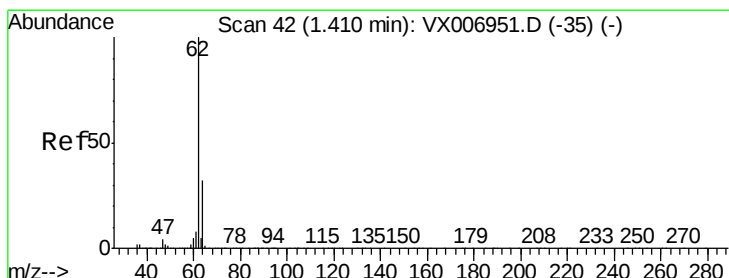
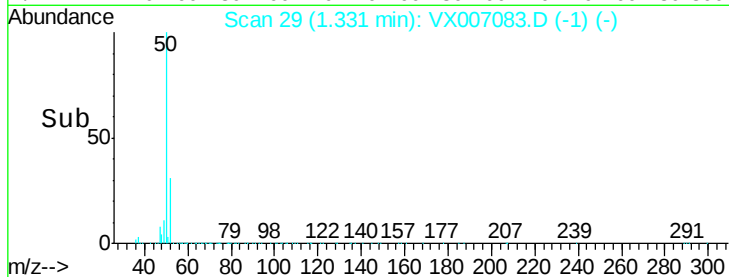
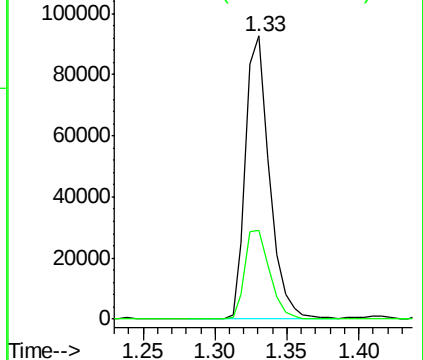
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.219 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007083.D

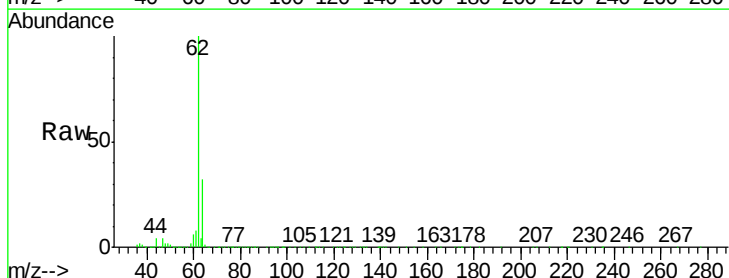
Acq: 17 Jan 2019 12:43

Tgt Ion: 62 Resp: 118277

Ion Ratio Lower Upper

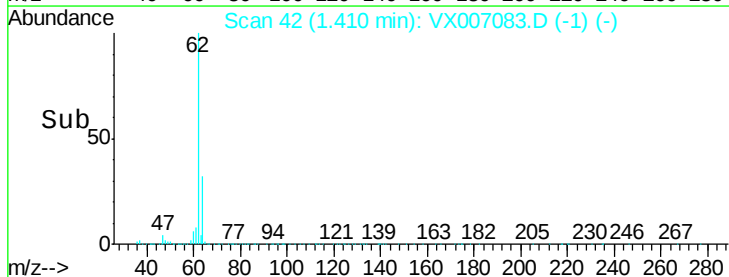
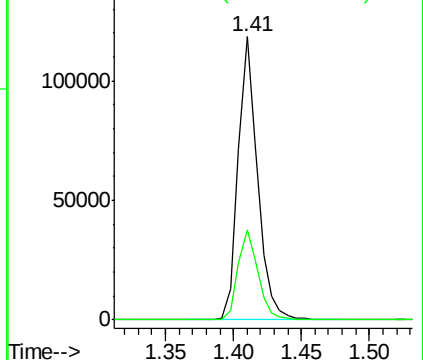
62 100

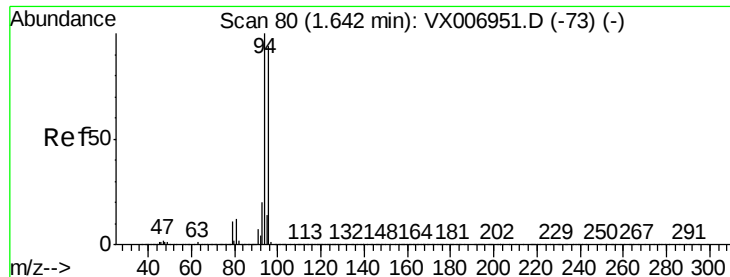
64 31.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.267 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion: 94 Resp: 108788

Ion Ratio Lower Upper

94 100

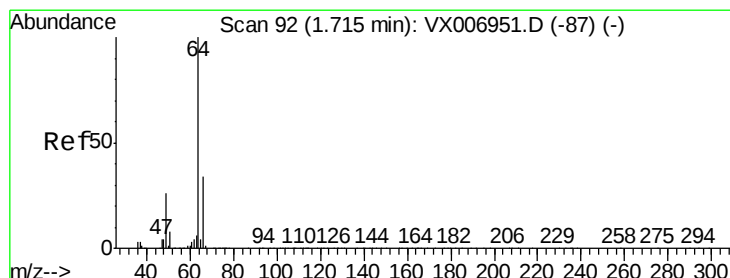
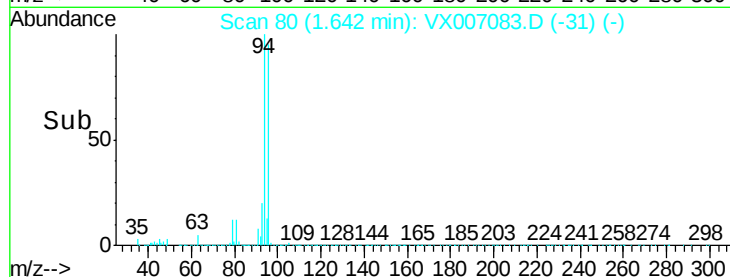
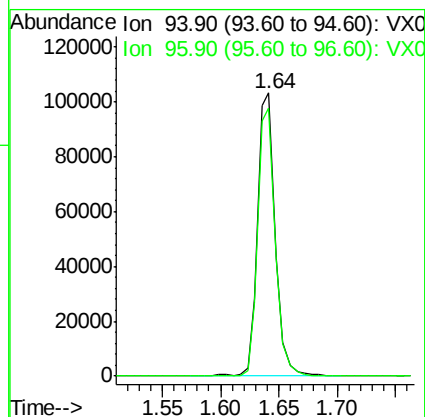
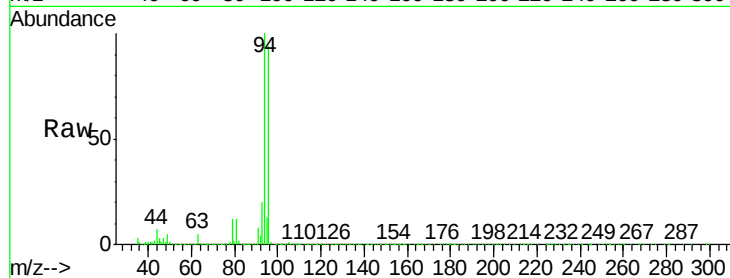
96 94.5 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 21.489 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007083.D

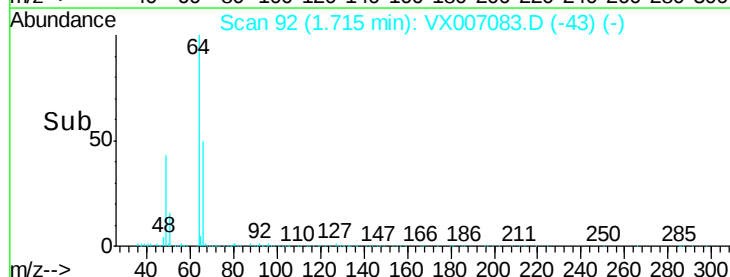
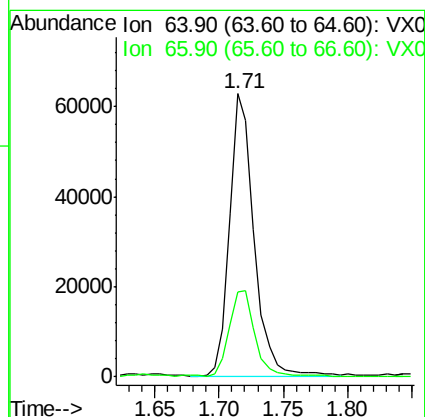
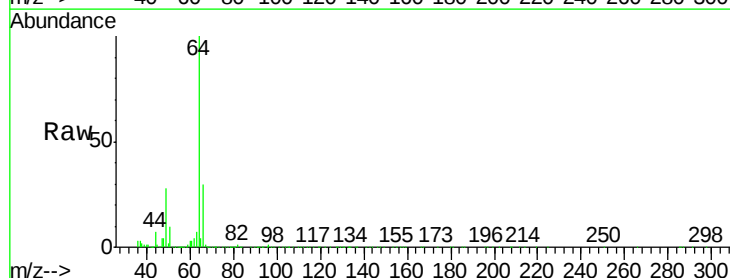
Acq: 17 Jan 2019 12:43

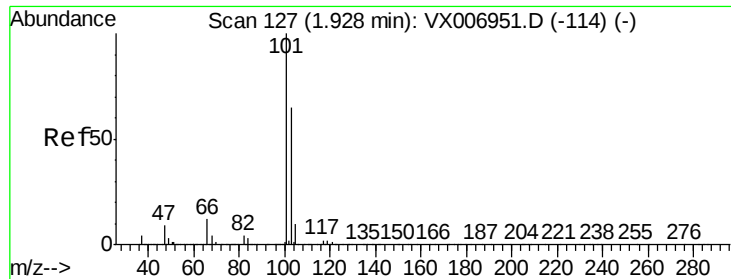
Tgt Ion: 64 Resp: 83641

Ion Ratio Lower Upper

64 100

66 29.7 26.4 39.6





#7

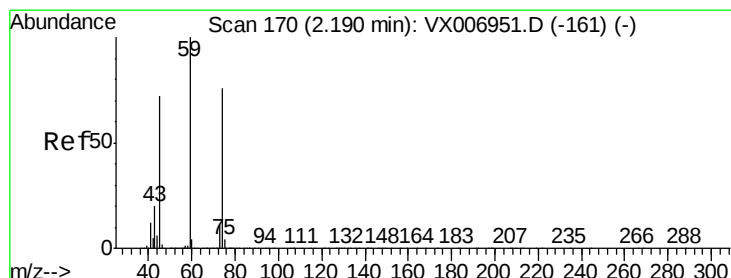
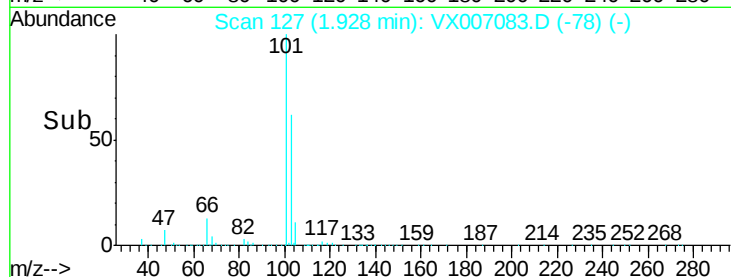
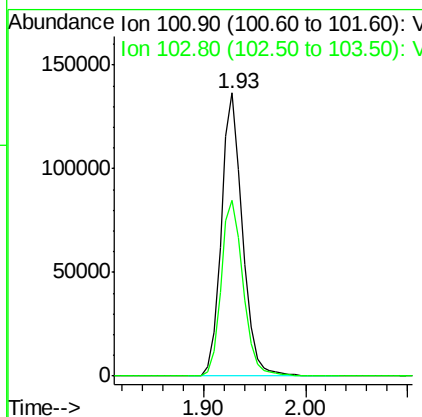
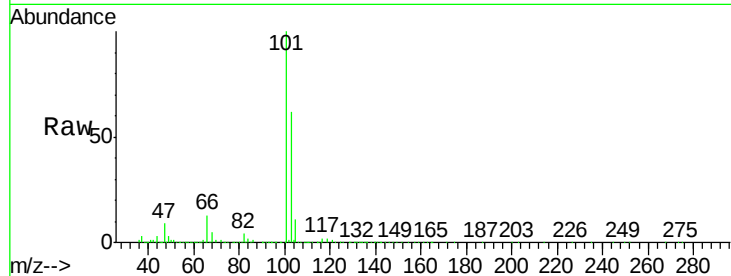
Trichlorofluoromethane
Concen: 21.926 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

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ClientSampleId :
VX0117WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	53.2	79.8

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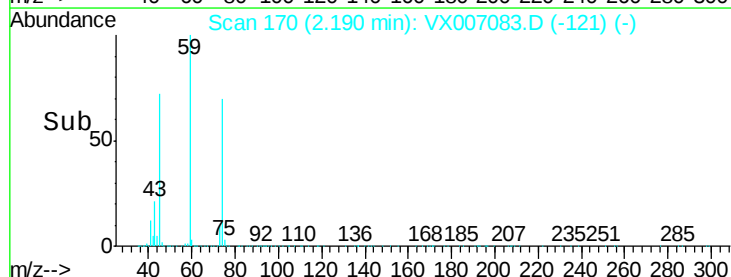
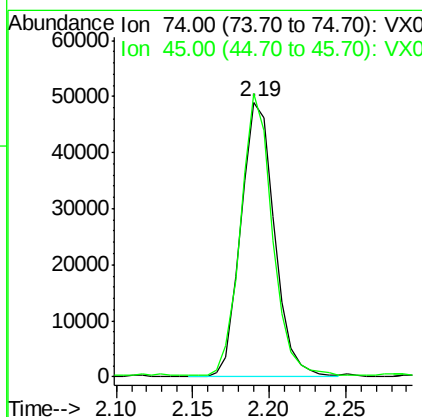
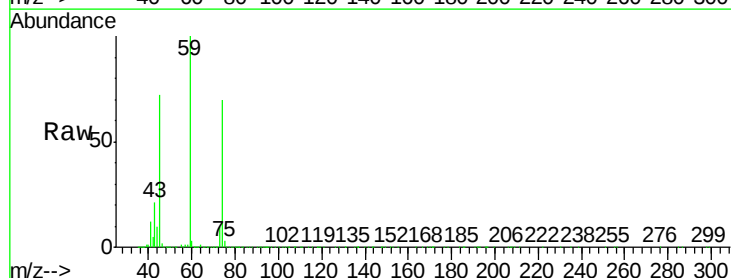
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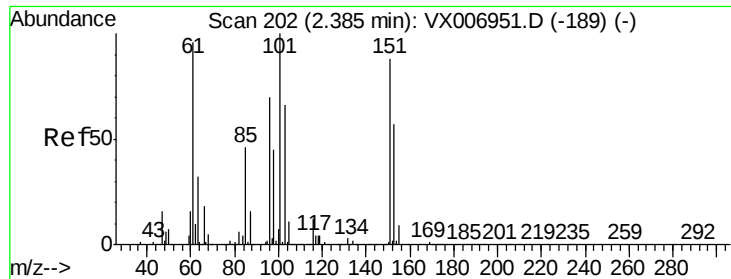


#8

Diethyl Ether
Concen: 20.682 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.281 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

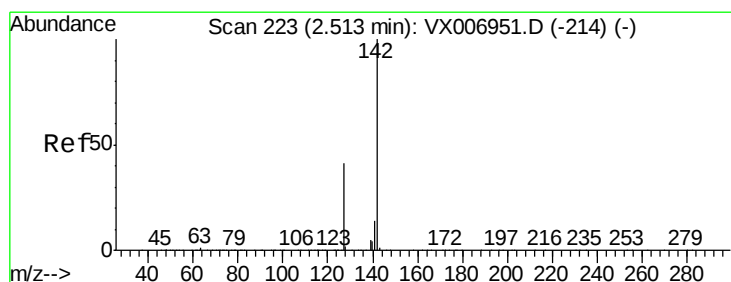
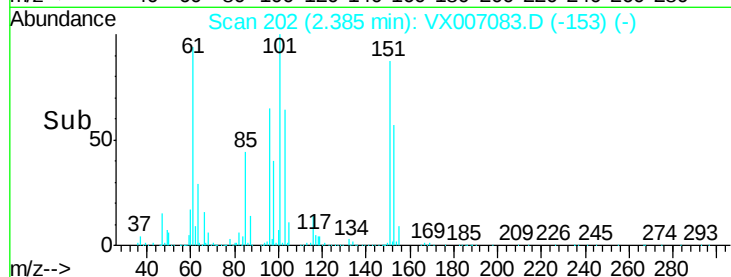
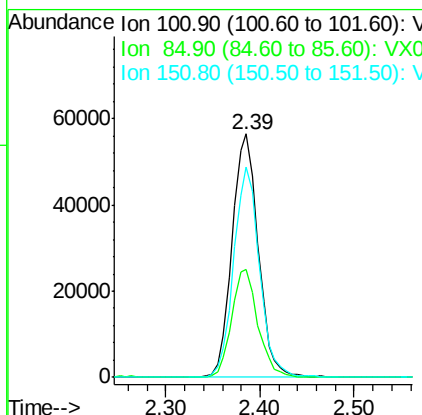
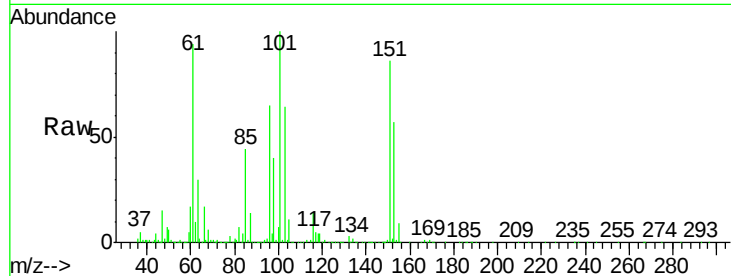
ClientSampleId :

VX0117WBS01

Tot Ion:	101	Resp:	109358
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.1	52.7
151	85.2	68.9	103.3

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#10

Methyl Iodide

Concen: 21.238 ug/l

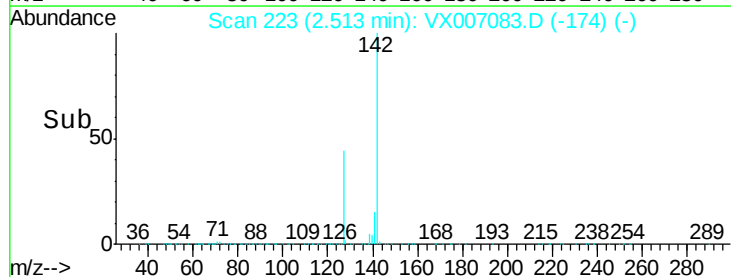
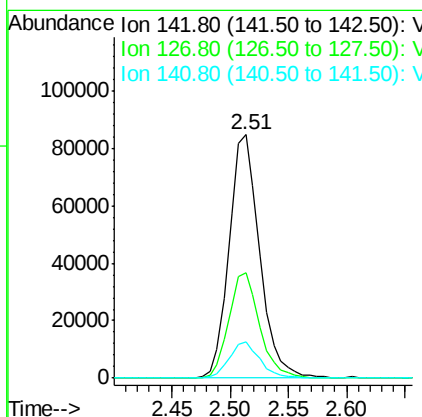
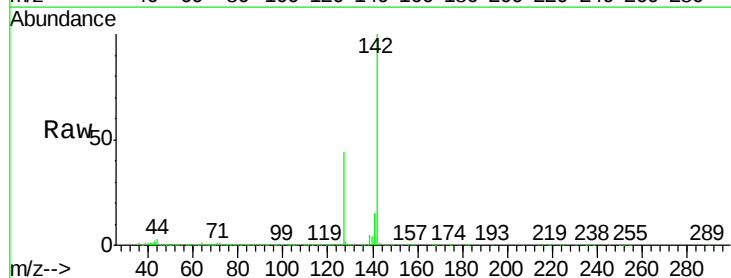
RT: 2.51 min Scan# 223

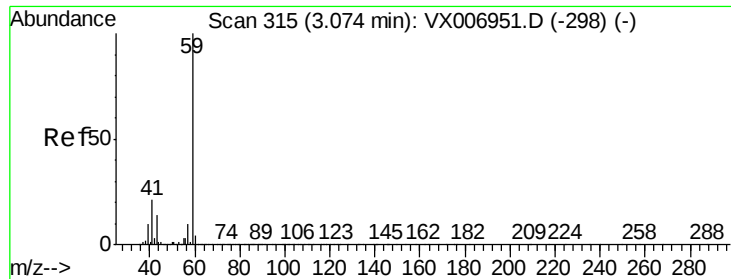
Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion:	142	Resp:	154478
Ion Ratio	Lower	Upper	
142	100		
127	44.1	33.9	50.9
141	15.2	11.4	17.0





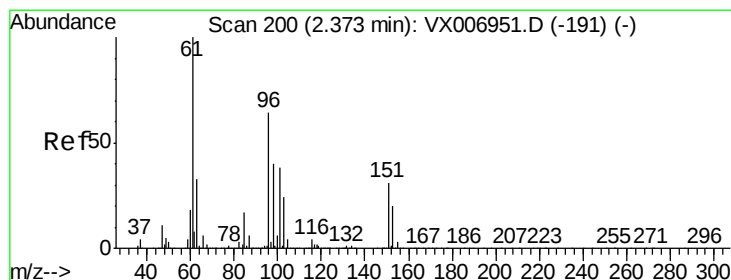
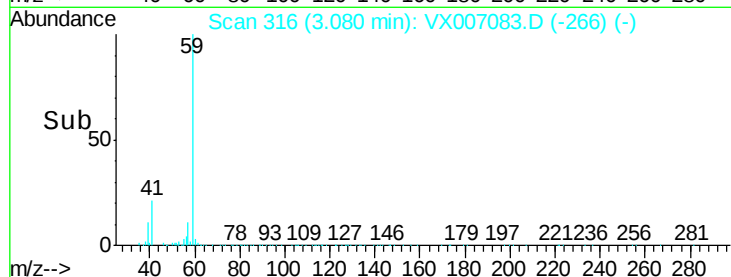
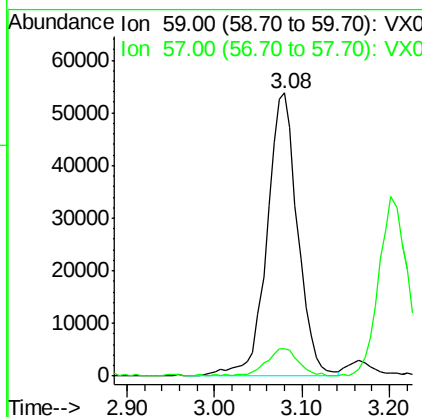
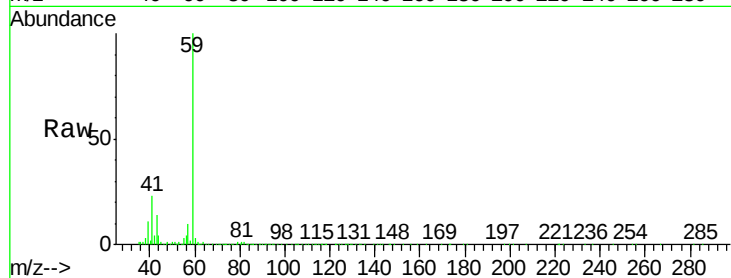
#11
Tert butyl alcohol
Concen: 98.209 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0117WBS01

Tot Ion: 59 Resp: 131238
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7

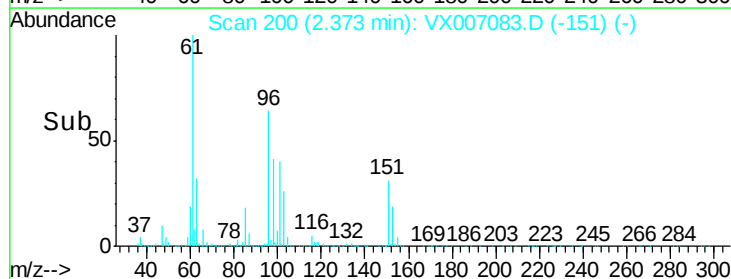
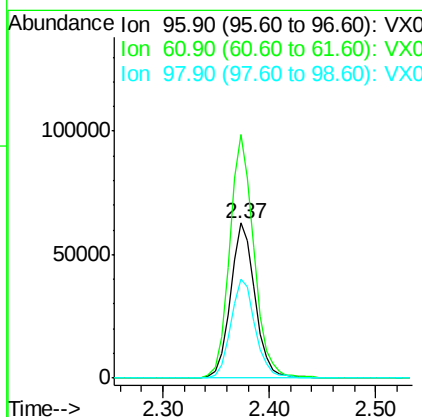
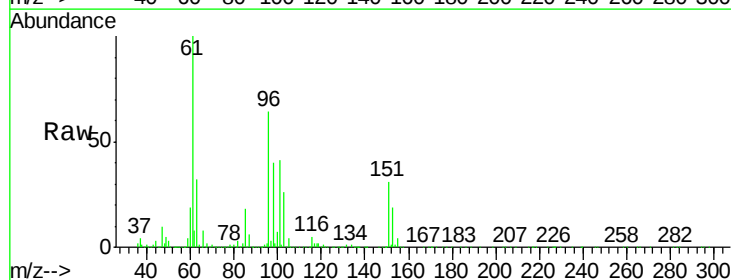
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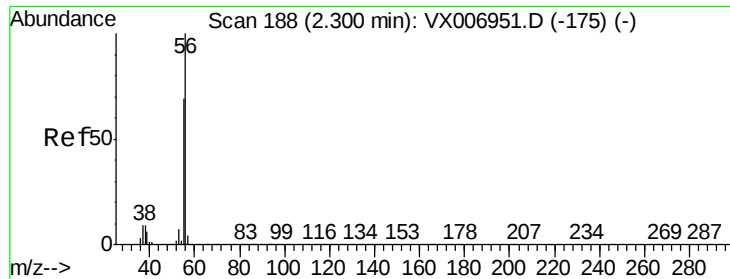
MMDadoda
1/18/2019 10:23:34 AM



#12
1,1-Dichloroethene
Concen: 20.380 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion: 96 Resp: 101532
Ion Ratio Lower Upper
96 100
61 156.8 121.4 182.2
98 63.4 51.9 77.9





#13

Acrolein

Concen: 141.860 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion: 56 Resp: 80980

Ion Ratio Lower Upper

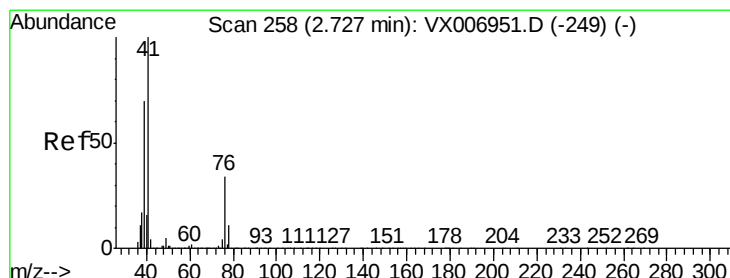
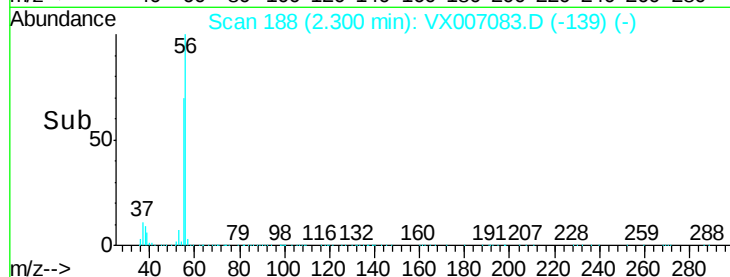
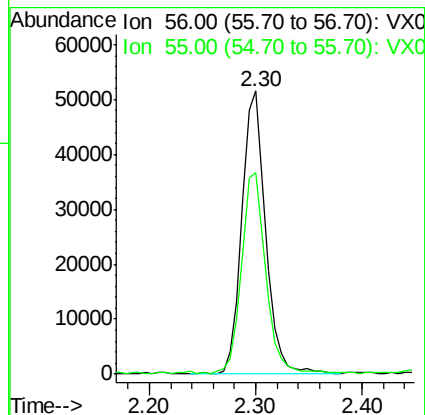
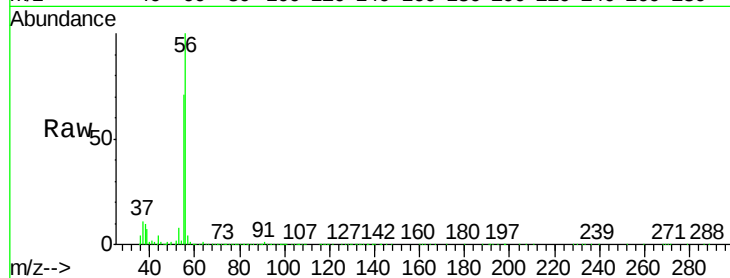
56 100

55 72.2 58.2 87.4

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#14

Allyl chloride

Concen: 20.438 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

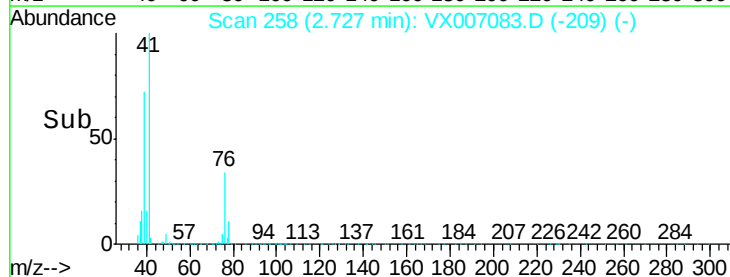
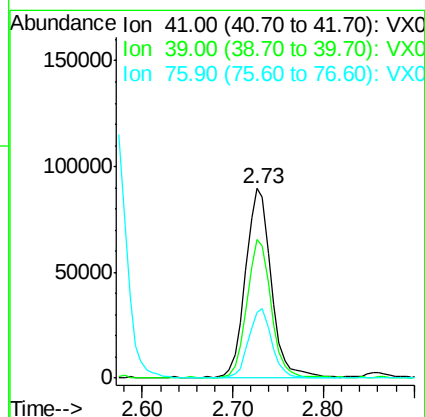
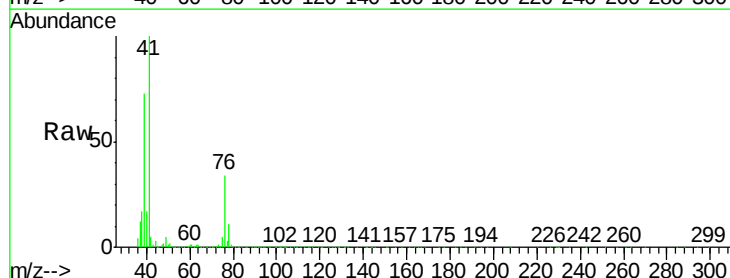
Tgt Ion: 41 Resp: 174498

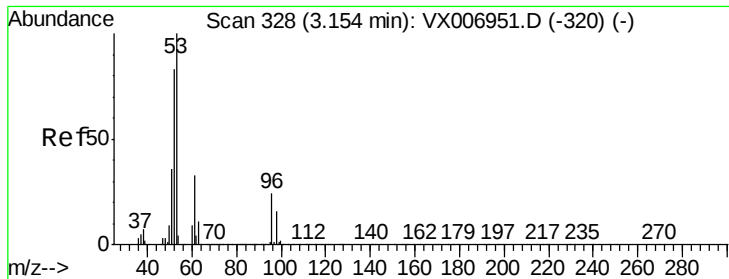
Ion Ratio Lower Upper

41 100

39 68.8 53.6 80.4

76 33.5 27.4 41.2





#15

Acrylonitrile

Concen: 104.995 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

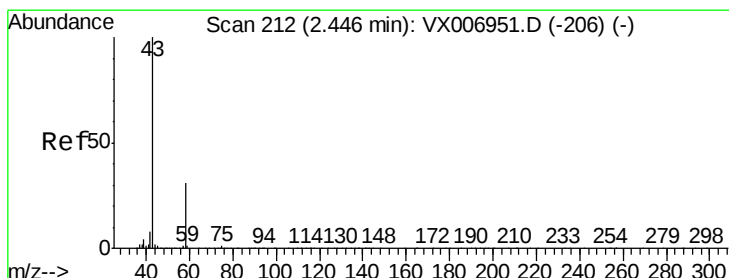
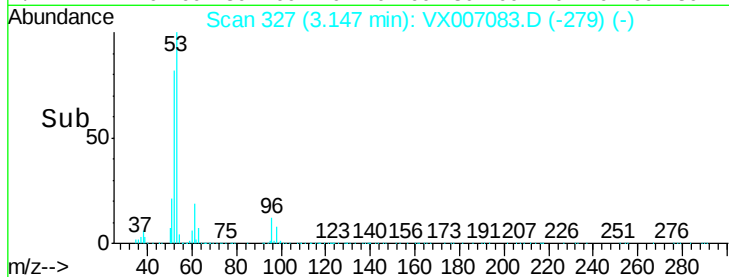
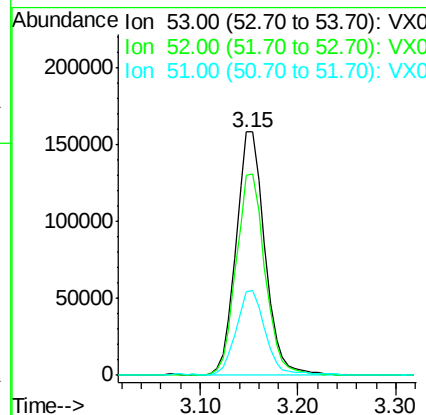
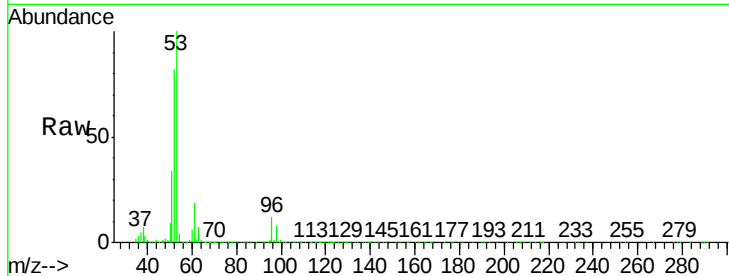
ClientSampleId :

VX0117WBS01

Tot Ion:	53	Resp:	322093
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.0	99.0
51	35.3	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 104.353 ug/l

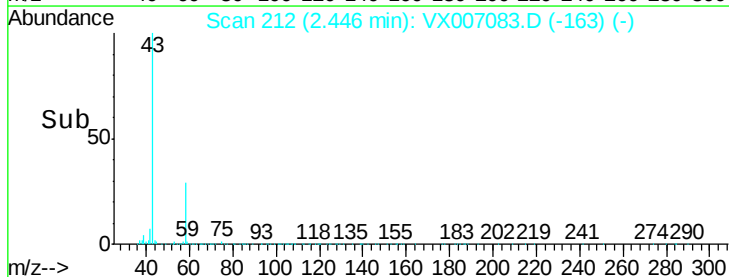
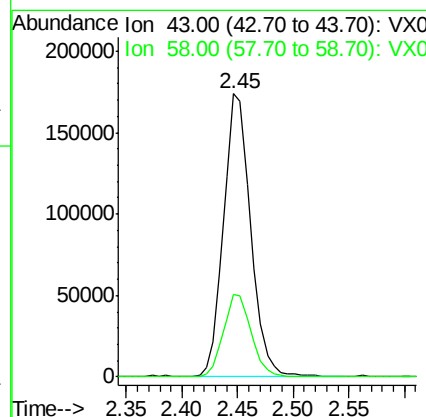
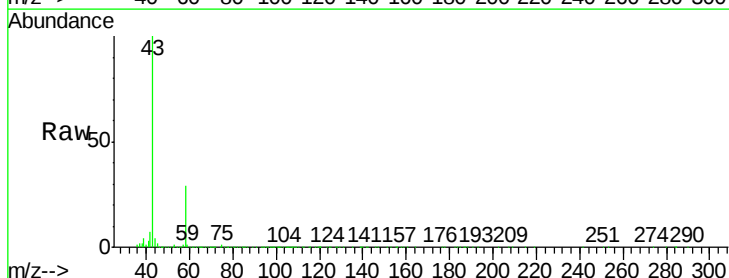
RT: 2.45 min Scan# 212

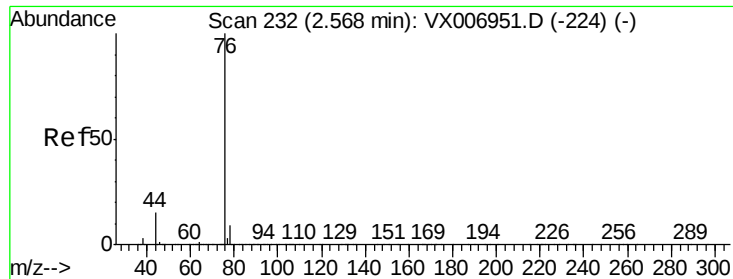
Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion:	43	Resp:	292247
Ion Ratio		Lower	Upper
43	100		
58	29.2	25.0	37.6





#17

Carbon Disulfide

Concen: 15.998 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion: 76 Resp: 205199

Ion Ratio Lower Upper

76 100

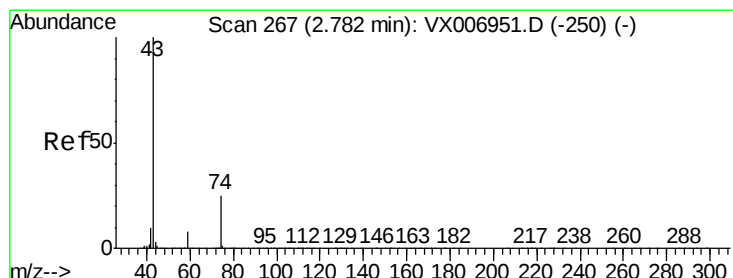
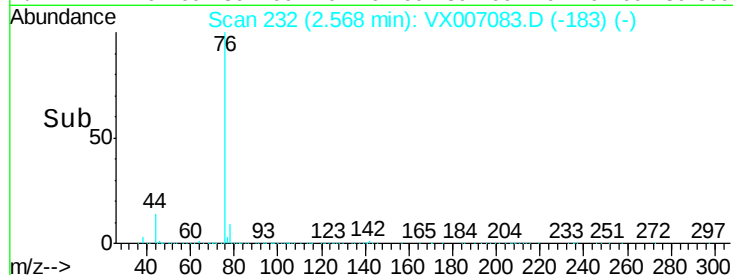
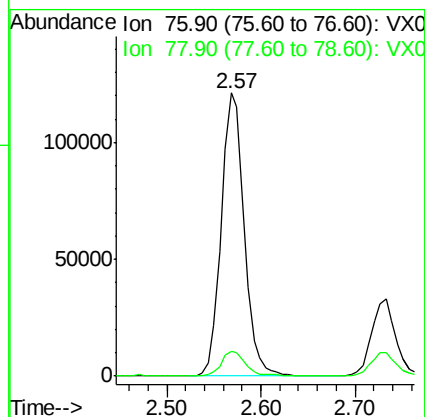
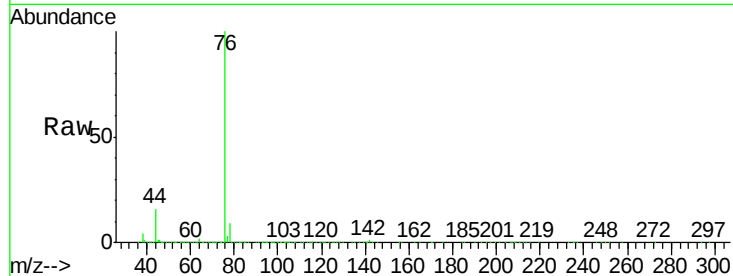
78 8.9 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 22.156 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007083.D

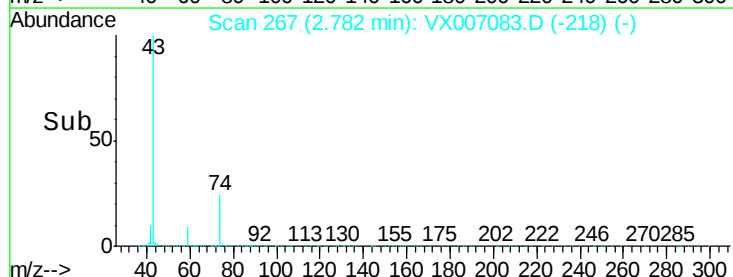
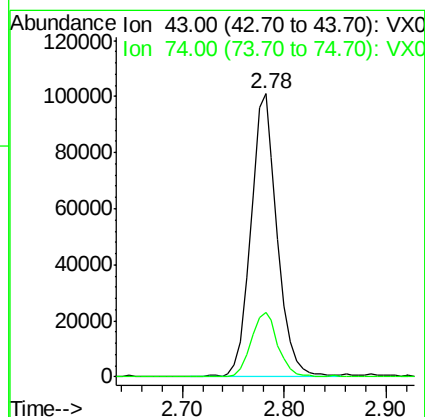
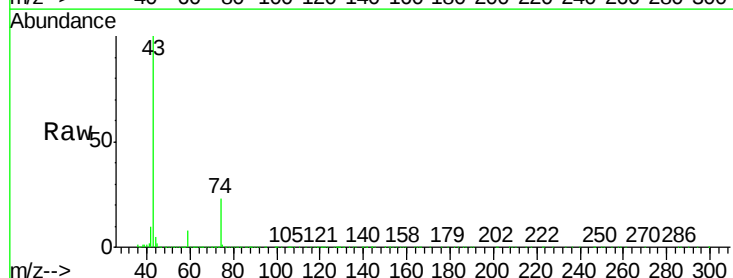
Acq: 17 Jan 2019 12:43

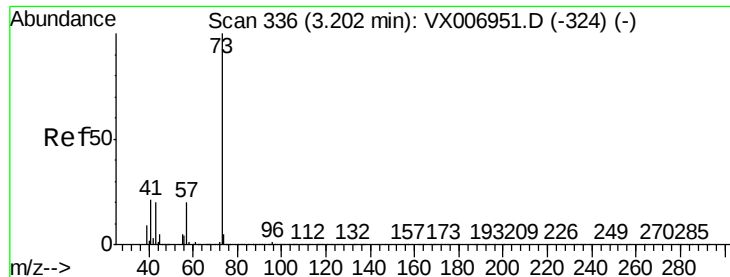
Tgt Ion: 43 Resp: 179687

Ion Ratio Lower Upper

43 100

74 23.0 18.6 28.0





#19

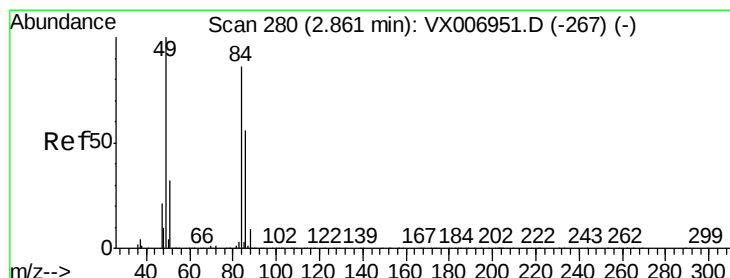
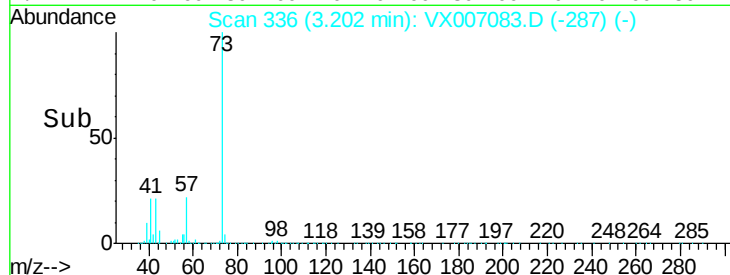
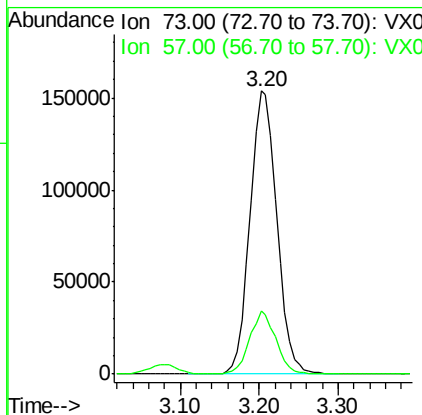
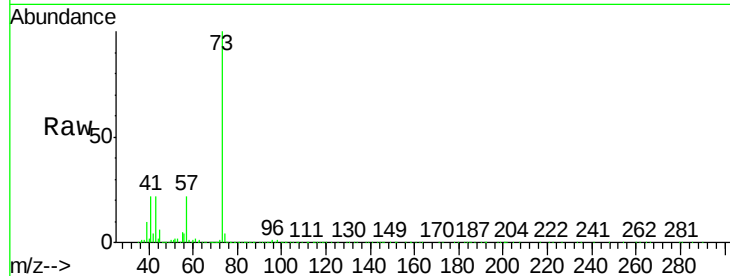
Methyl tert-butyl Ether
 Concen: 21.046 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX007083.D
 Acq: 17 Jan 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0117WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	16.8	25.2

Manual Integrations
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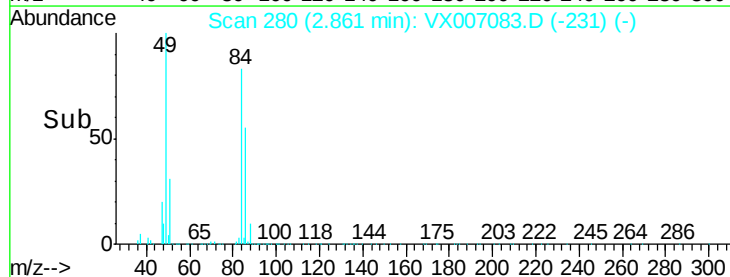
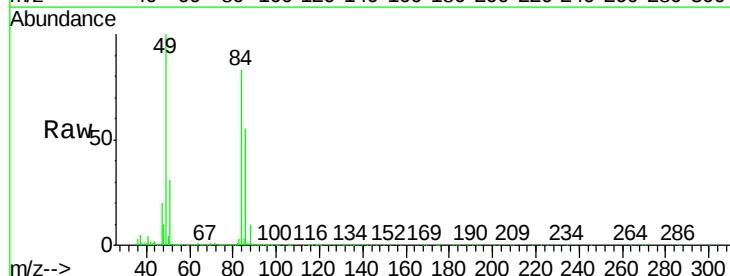
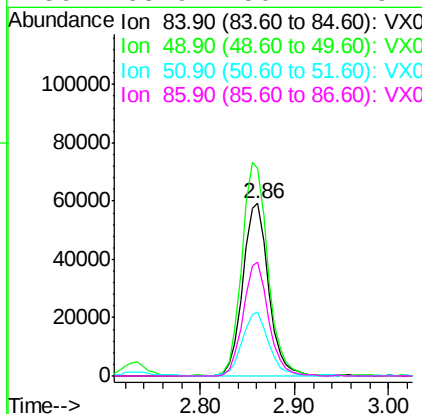
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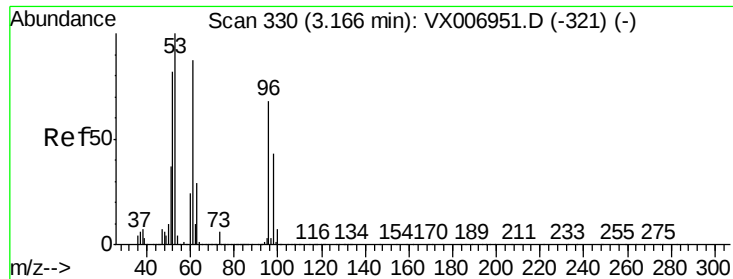


#20

Methylene Chloride
 Concen: 21.095 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007083.D
 Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.1	91.8	137.6
51	37.0	28.5	42.7
86	65.9	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.673 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

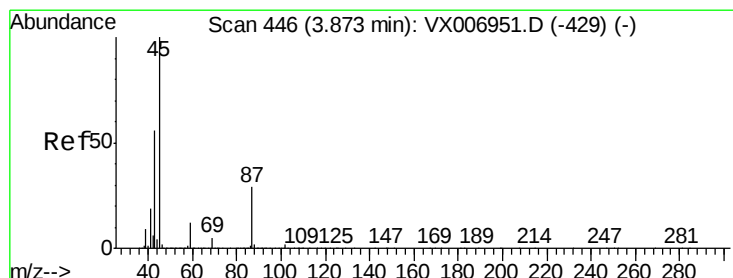
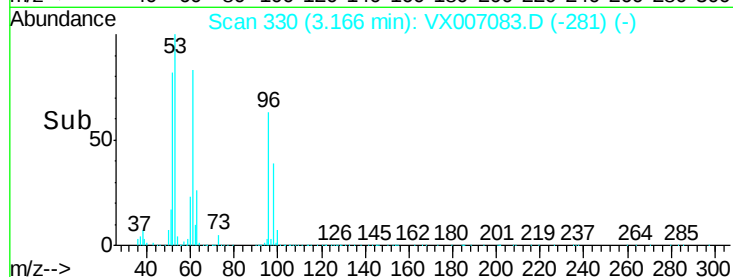
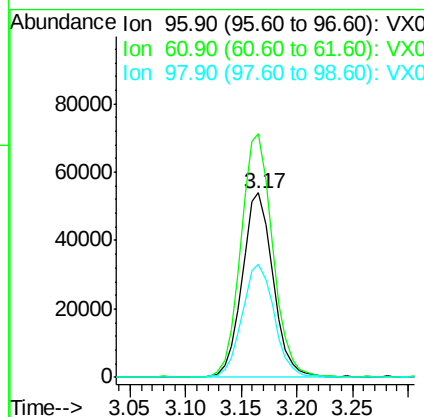
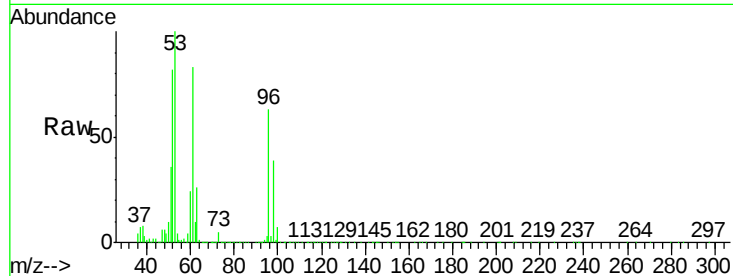
ClientSampleId :

VX0117WBS01

Tot Ion:	96	Resp:	103671
Ion	Ratio	Lower	Upper
96	100		
61	132.1	103.7	155.5
98	61.7	51.0	76.6

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#22

Diisopropyl ether

Concen: 19.952 ug/l

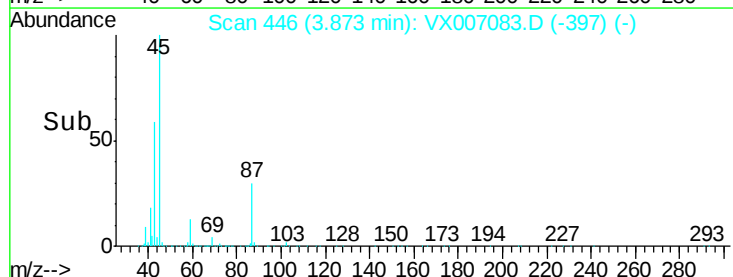
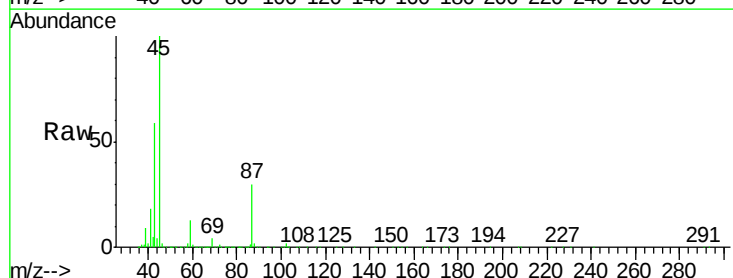
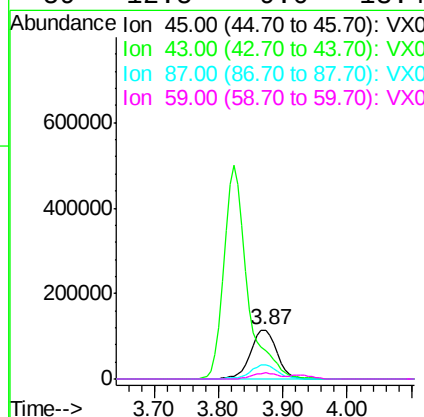
RT: 3.87 min Scan# 446

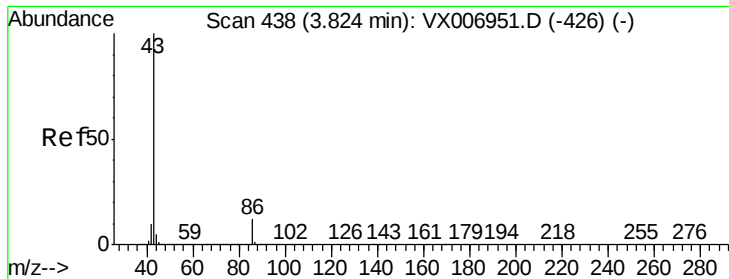
Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion:	45	Resp:	320253
Ion	Ratio	Lower	Upper
45	100		
43	59.0	51.2	76.8
87	29.6	25.8	38.6
59	12.5	9.0	13.4





#23

Vinyl Acetate

Concen: 94.926 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion: 43 Resp: 1284967

Ion Ratio Lower Upper

43 100

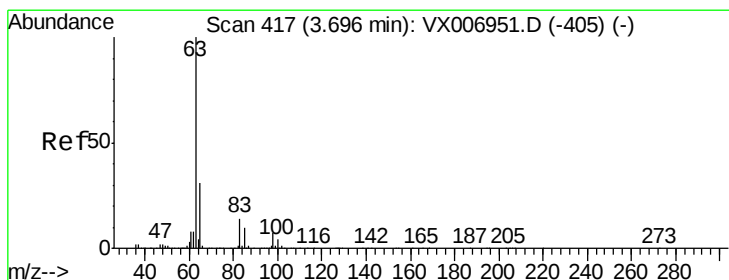
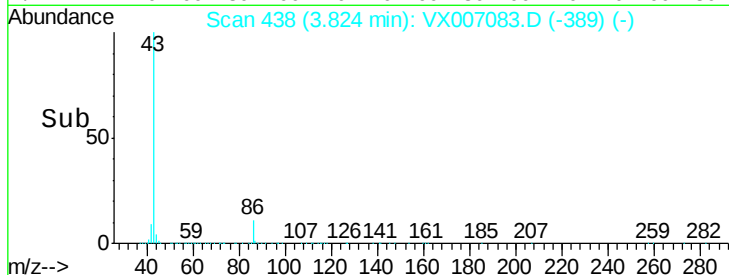
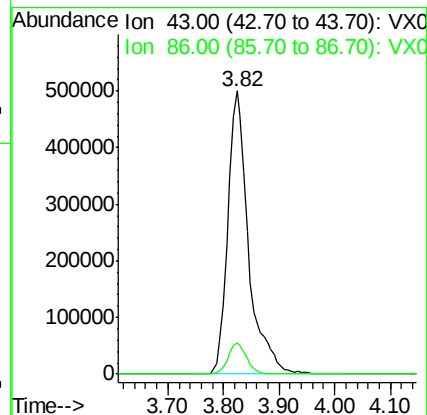
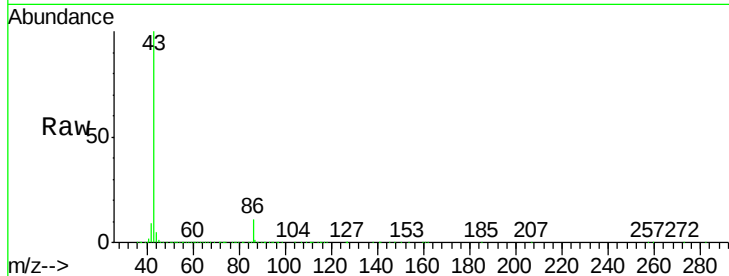
86 11.3 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 19.413 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

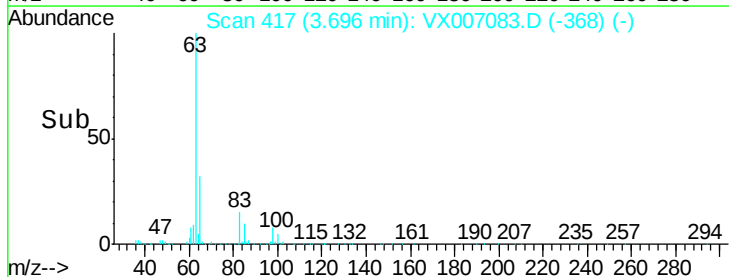
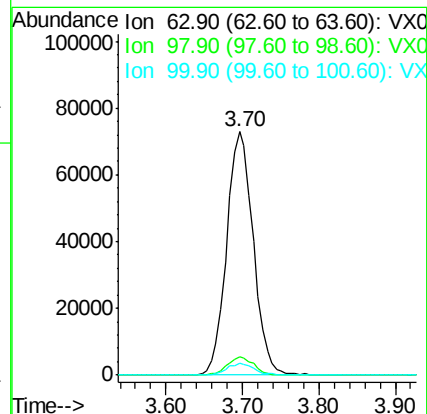
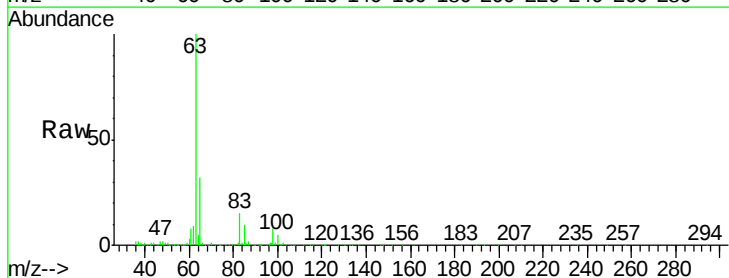
Tgt Ion: 63 Resp: 174243

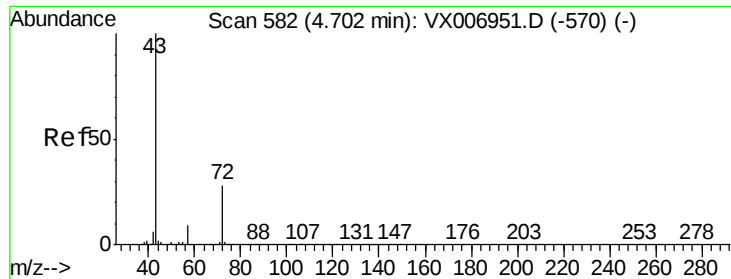
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 98.190 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion: 43 Resp: 393467

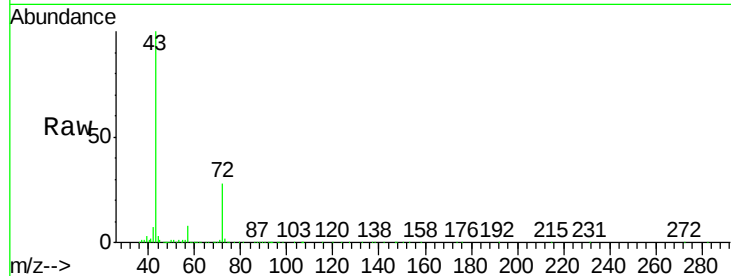
Ion Ratio Lower Upper

43 100

72 27.7 22.4 33.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

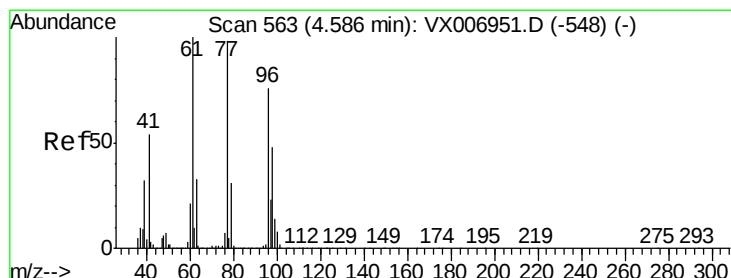
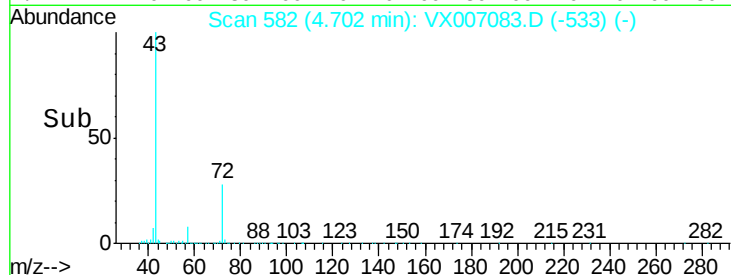
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 17.533 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007083.D

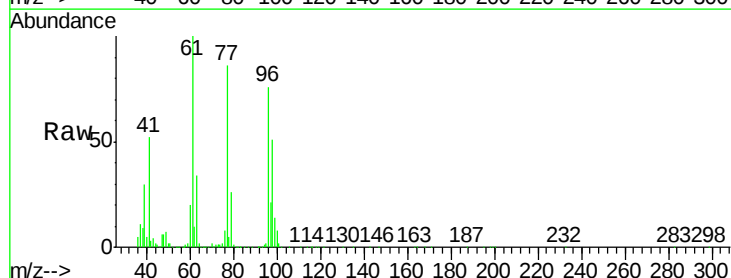
Acq: 17 Jan 2019 12:43

Tgt Ion: 77 Resp: 121006

Ion Ratio Lower Upper

77 100

97 25.6 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

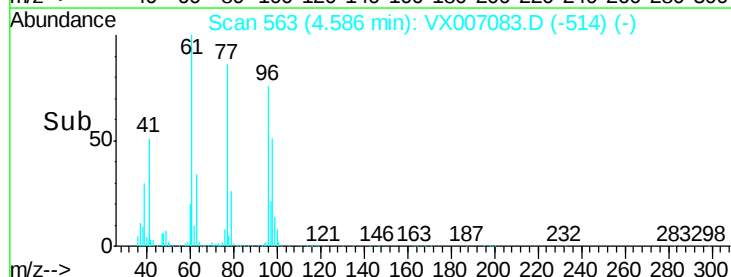
20000

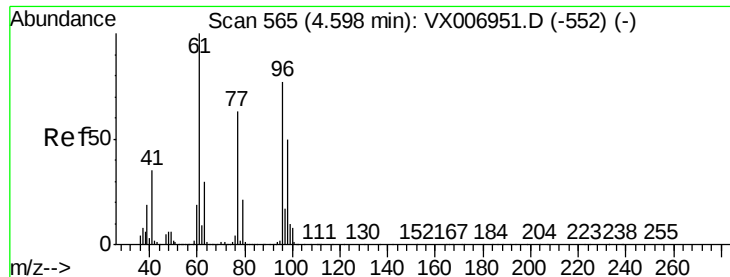
10000

0

4.50 4.60 4.70

Time-->





#27

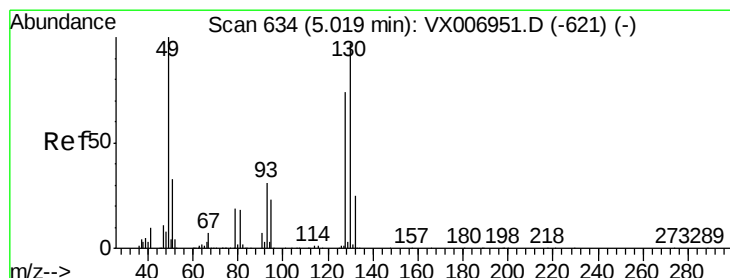
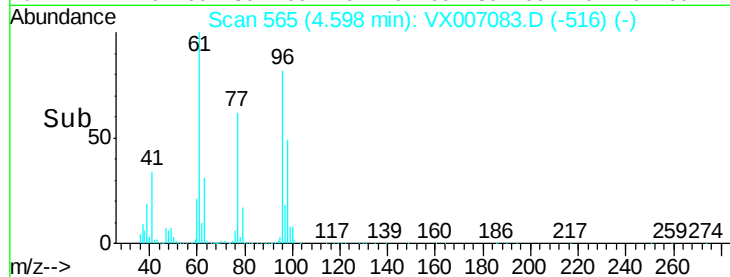
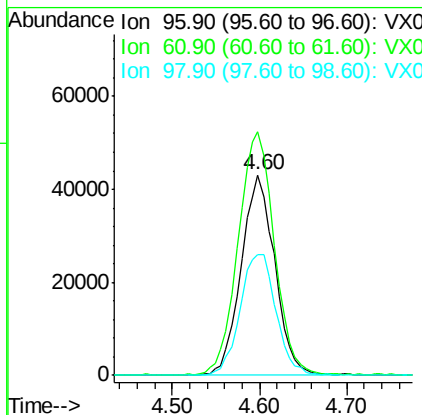
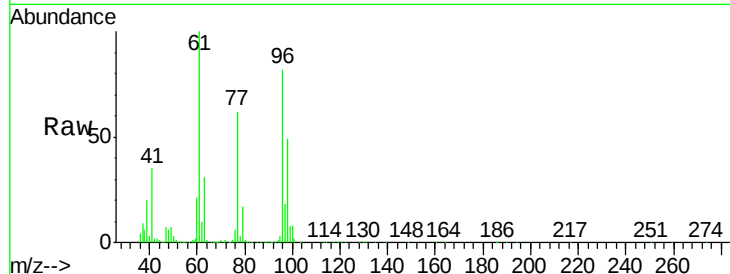
cis-1,2-Dichloroethene
Concen: 18.838 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0117WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	258.6
98	64.6	0.0	132.0

Manual Integrations
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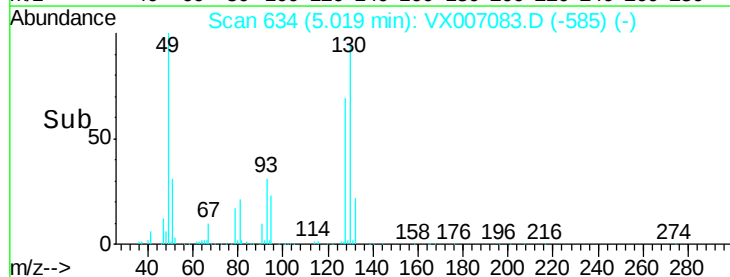
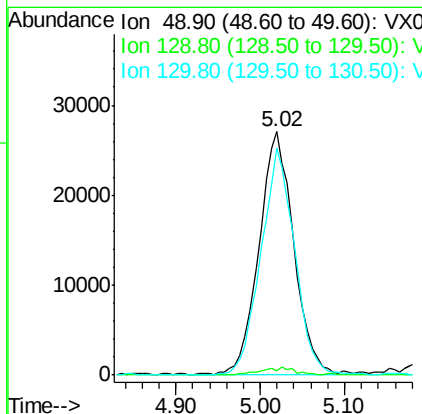
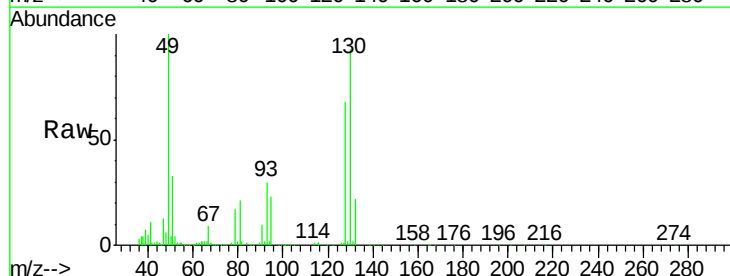
MMDadoda
1/18/2019 10:23:34 AM



#28

Bromochloromethane
Concen: 19.338 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.4
130	91.8	77.7	116.5





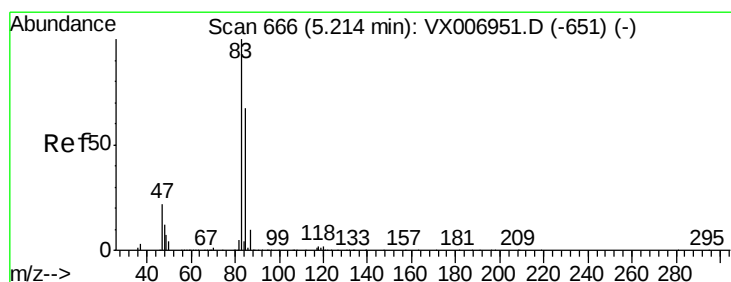
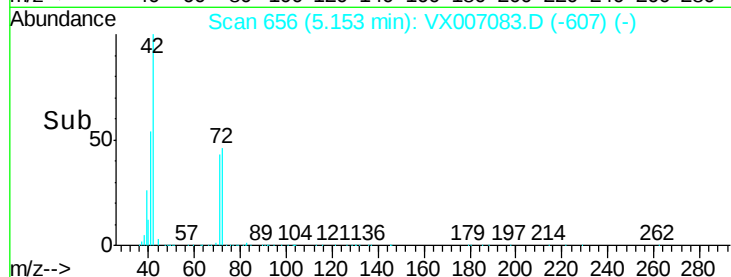
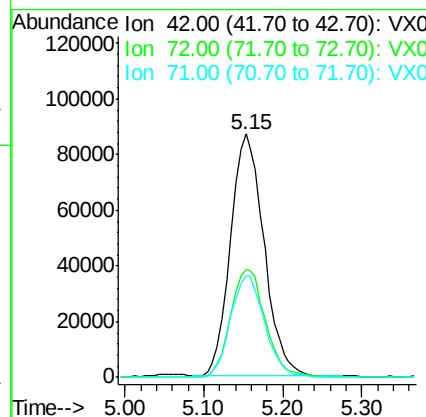
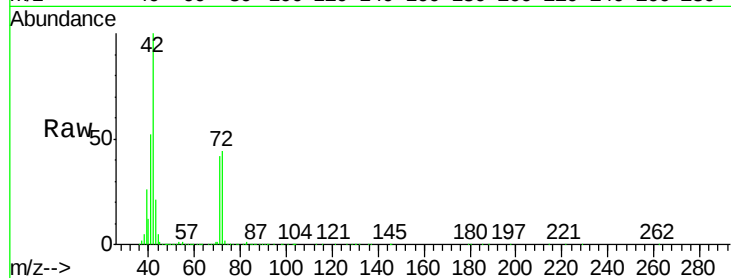
#29
Tetrahydrofuran
Concen: 98.926 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0117WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	38.9	58.3
71	43.1	36.2	54.4

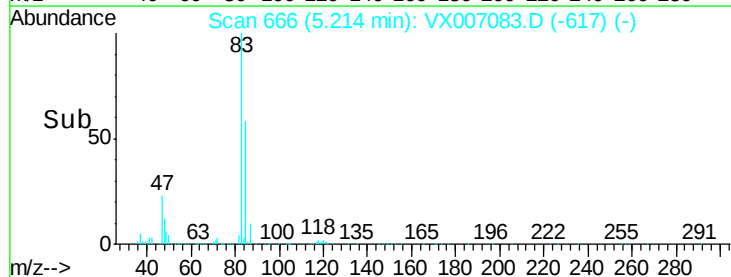
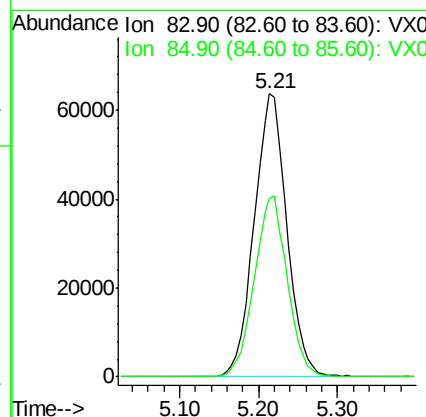
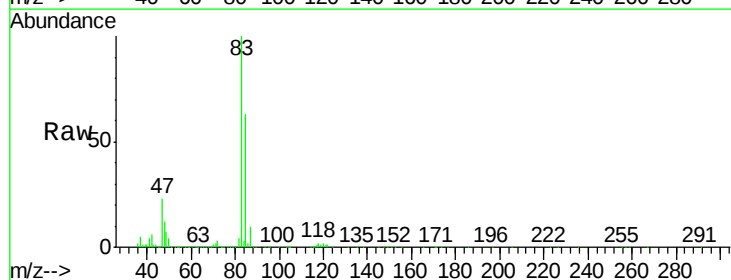
Manual Integrations
APPROVED

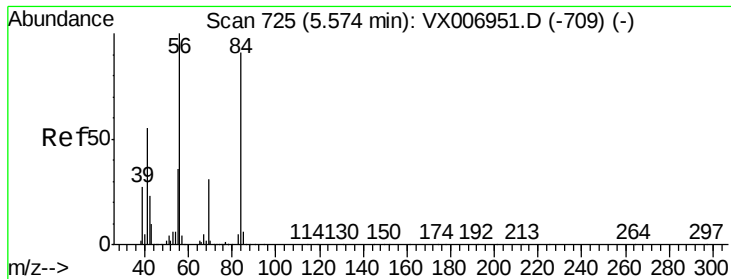
MMDadoda
1/18/2019 10:23:34 AM



#30
Chloroform
Concen: 19.503 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.2	76.8





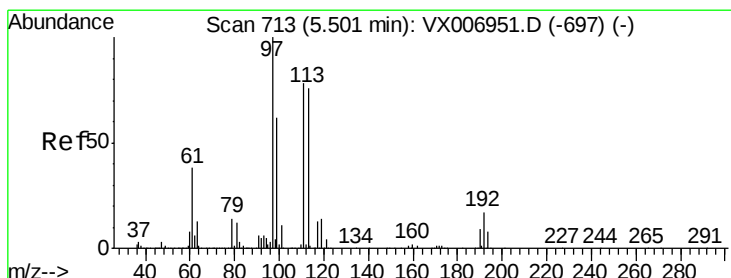
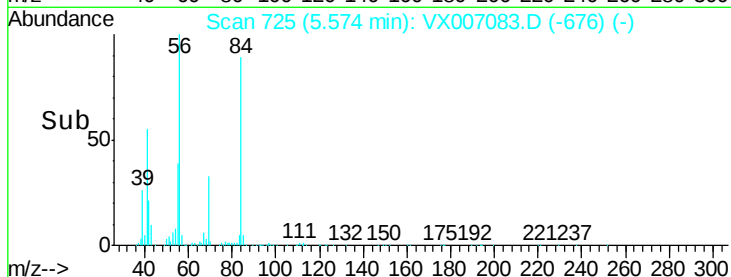
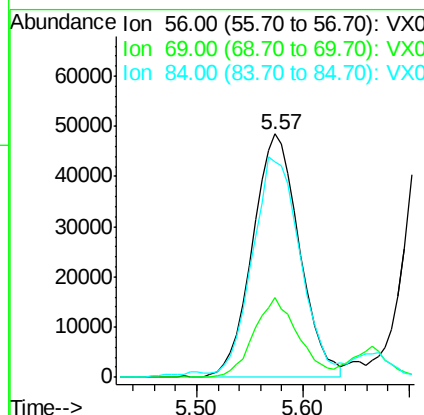
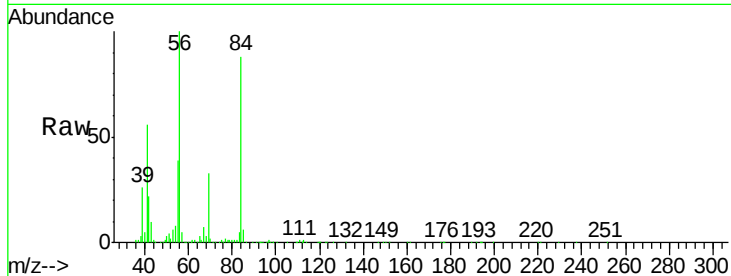
#31
Cyclohexane
Concen: 18.497 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0117WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	24.4	36.6
84	86.5	70.0	105.0

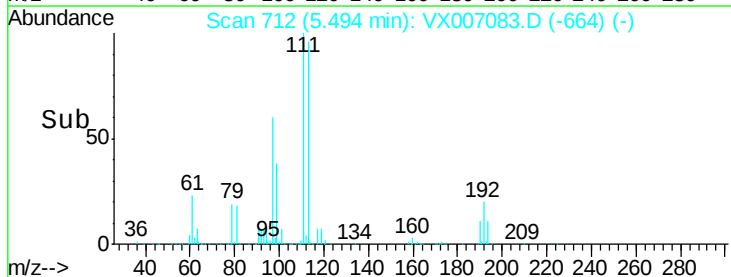
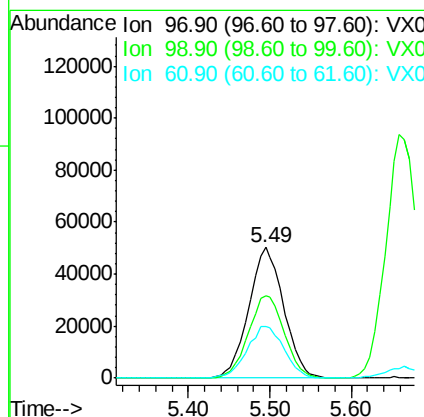
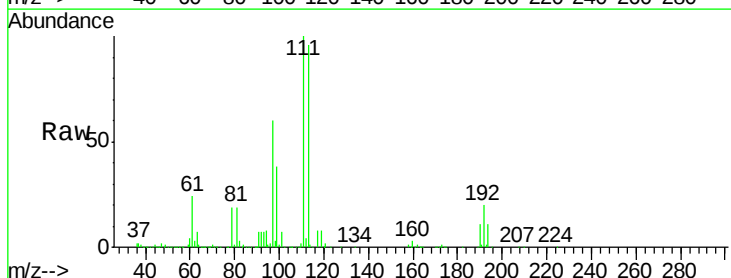
Manual Integrations
APPROVED

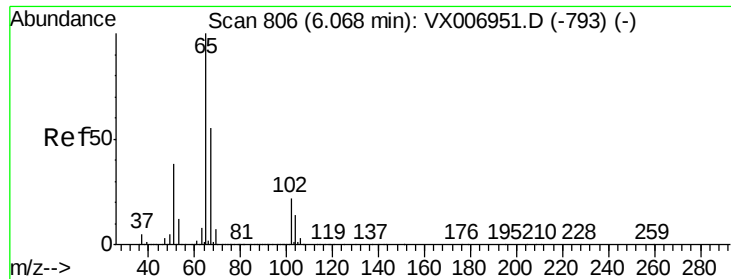
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#32
1,1,1-Trichloroethane
Concen: 18.813 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	41.9	31.3	46.9





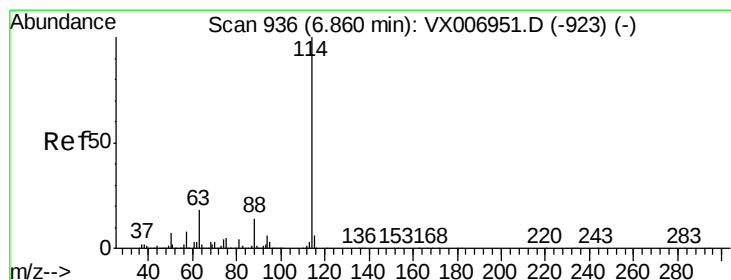
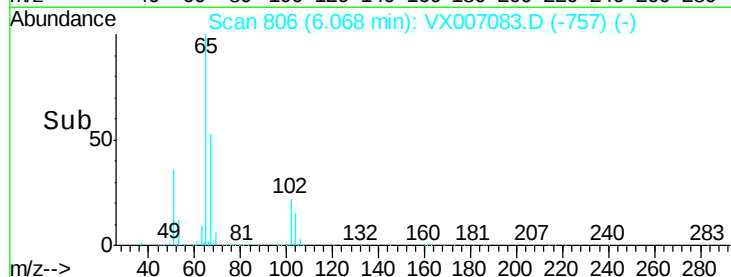
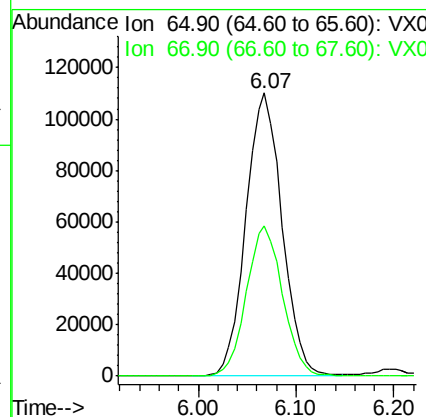
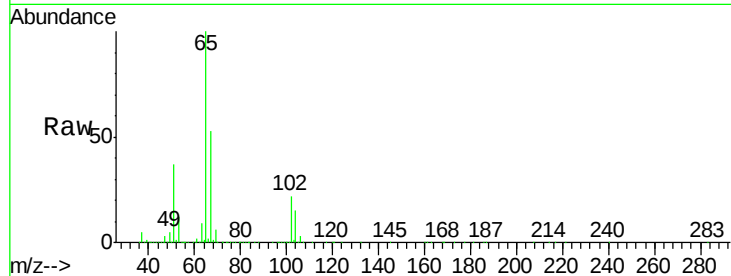
#33
 1,2-Dichloroethane-d4
 Concen: 49.894 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007083.D
 Acq: 17 Jan 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0117WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.0

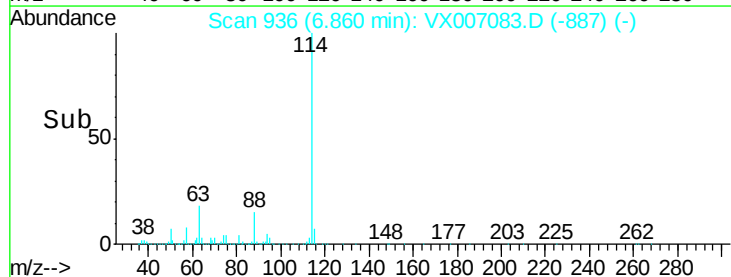
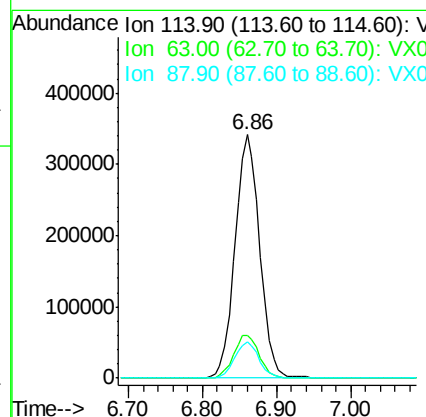
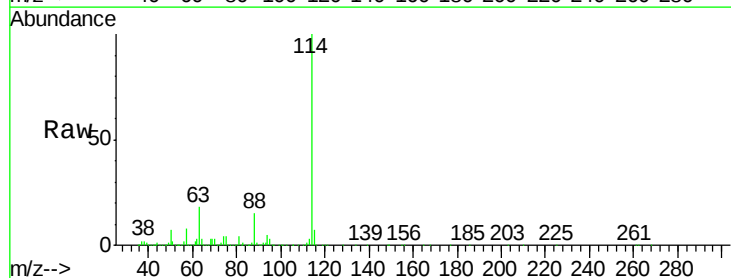
Manual Integrations
 APPROVED

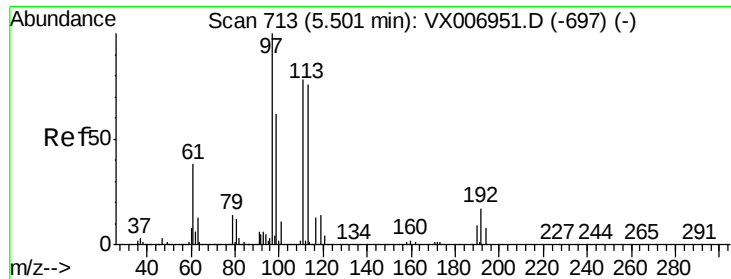
MMDadoda
 1/18/2019 10:23:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007083.D
 Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	34.8
88	14.9	0.0	28.8





#35

Dibromofluoromethane

Concen: 49.157 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

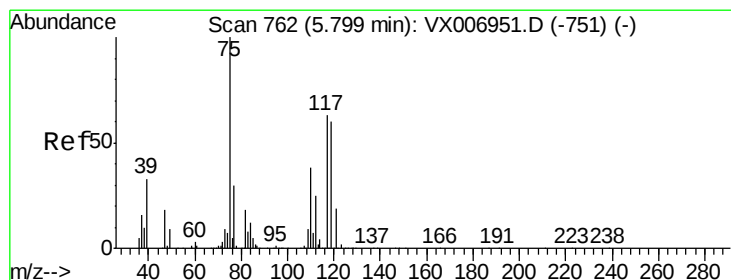
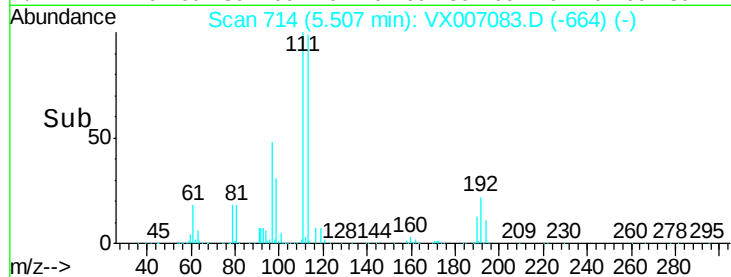
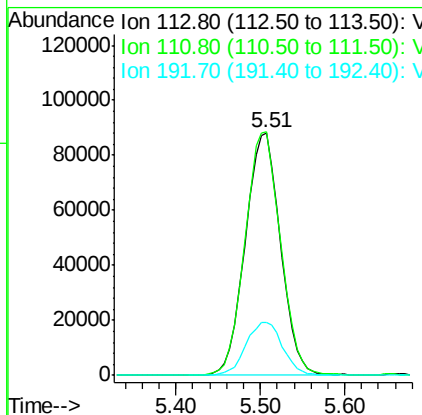
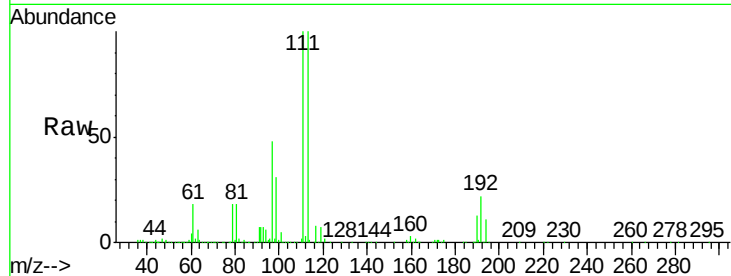
ClientSampleId :

VX0117WBS01

Tot Ion:	113	Resp:	249367
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.6	122.4
192	22.9	16.7	25.1

Manual Integrations
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1/18/2019 10:23:34 AM



#36

1,1-Dichloropropene

Concen: 18.720 ug/l

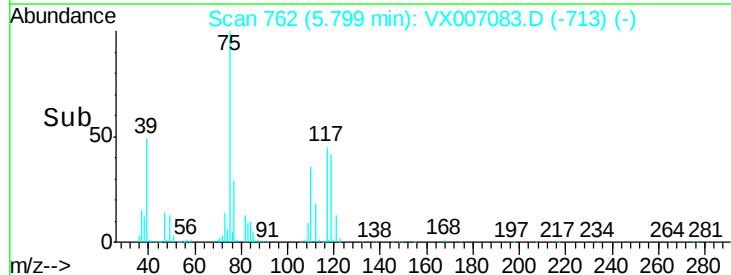
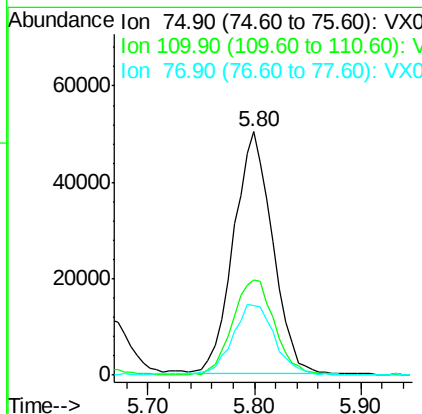
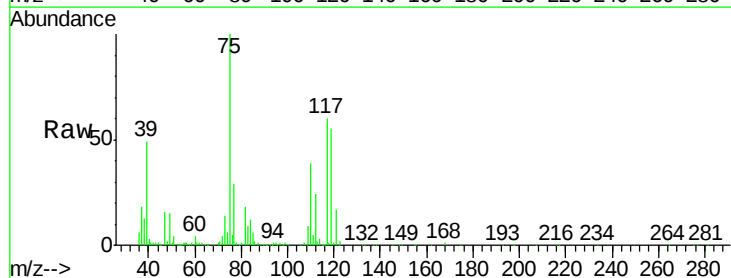
RT: 5.80 min Scan# 762

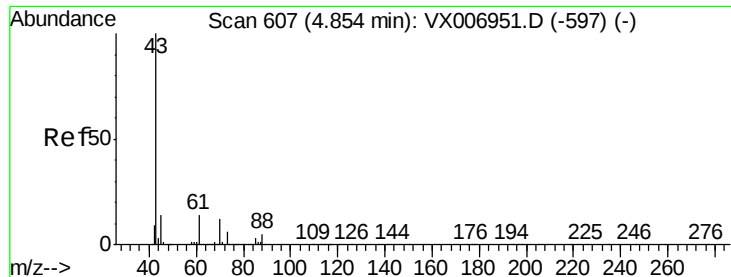
Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion:	75	Resp:	128927
Ion Ratio	Lower	Upper	
75	100		
110	42.6	20.2	60.5
77	31.4	24.8	37.2





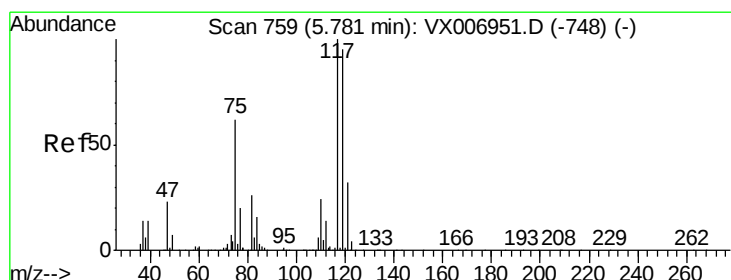
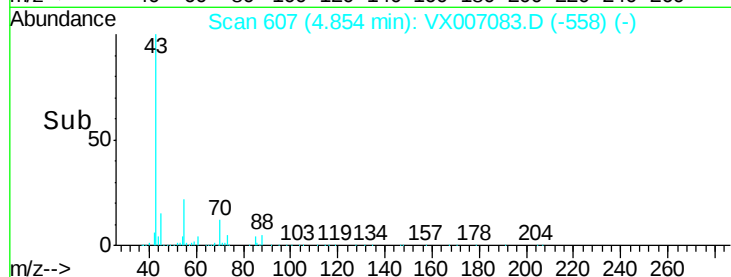
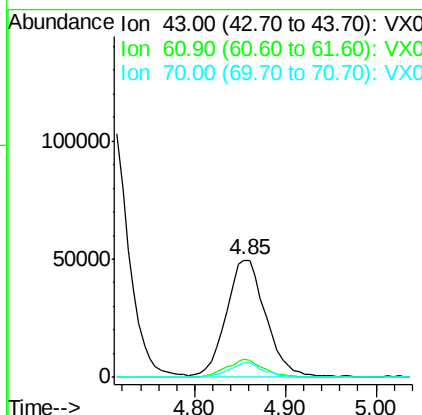
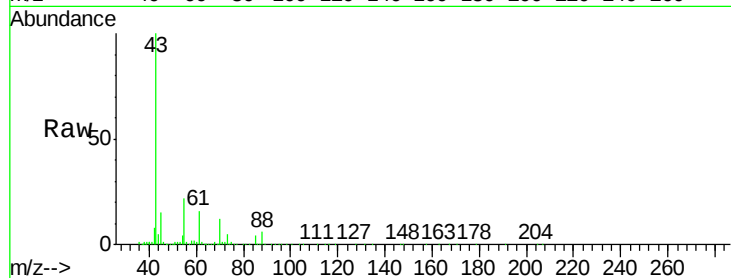
#37
Ethyl Acetate
Concen: 20.124 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampled :
VX0117WBS01

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

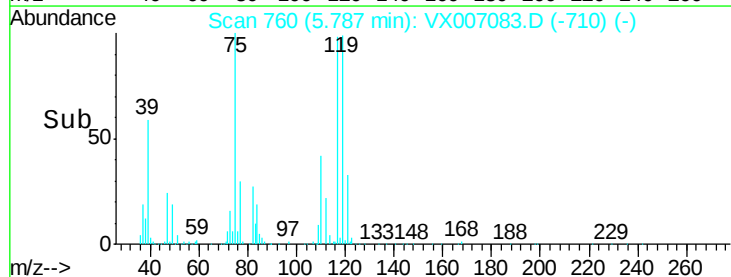
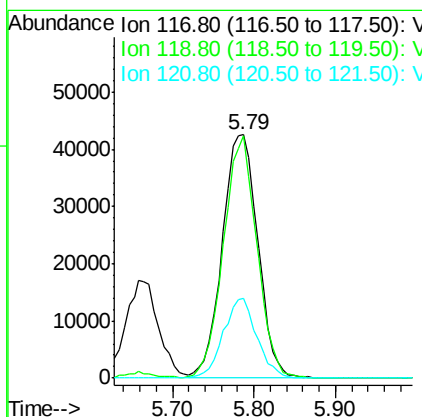
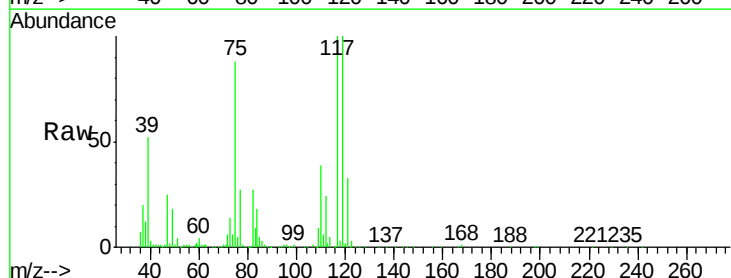
Manual Integrations
APPROVED

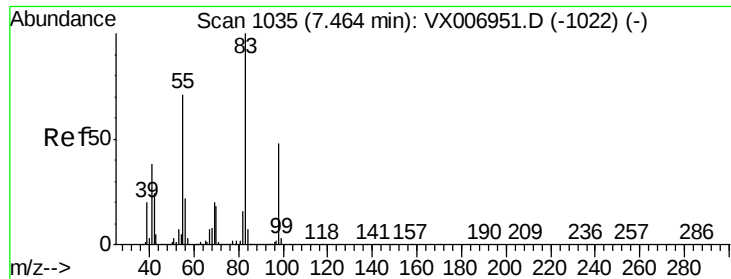
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.514 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	79.4	119.2
121	32.6	24.0	36.0





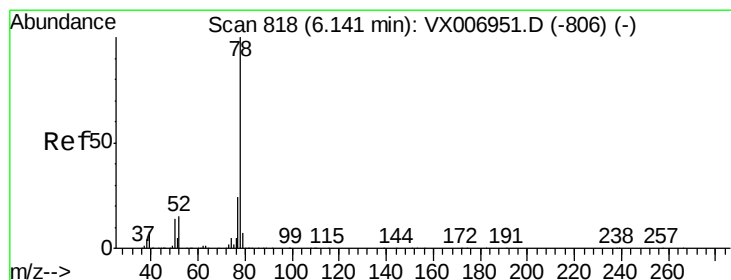
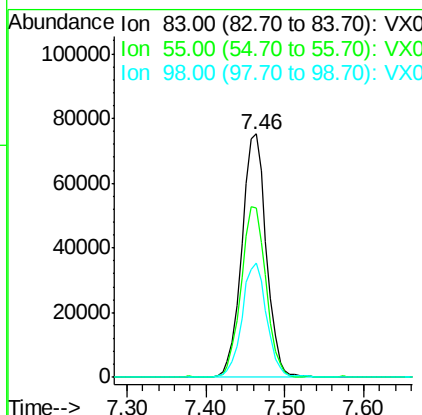
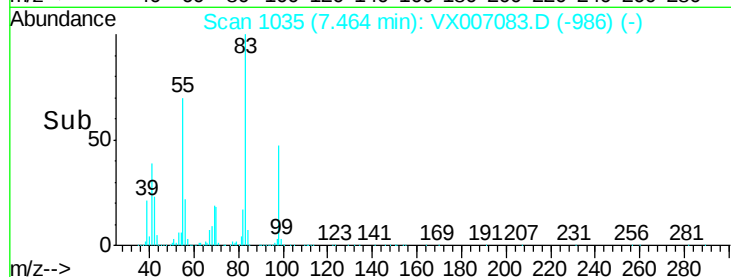
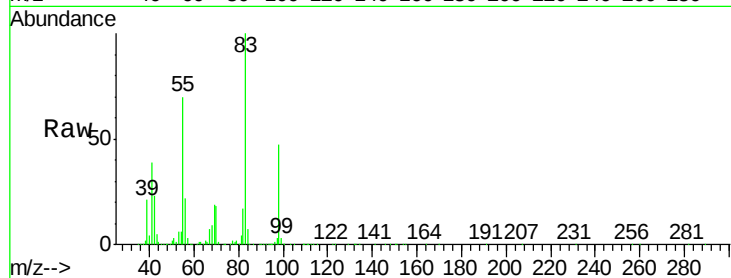
#39
Methvlcvclohexane
Concen: 18.460 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0117WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.4	54.9	82.3
98	46.9	37.9	56.9

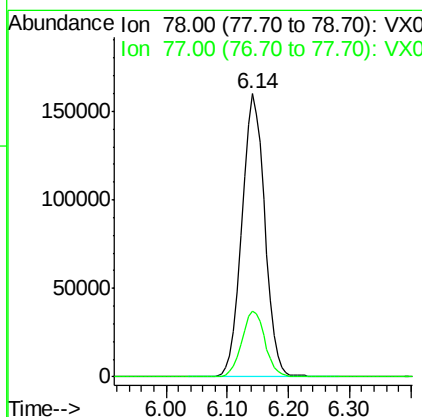
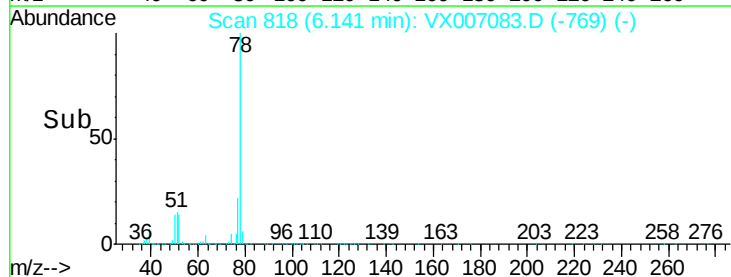
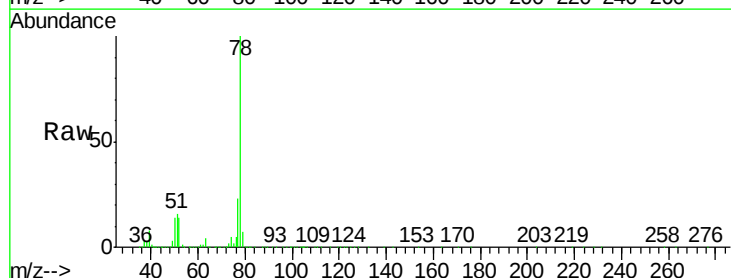
Manual Integrations
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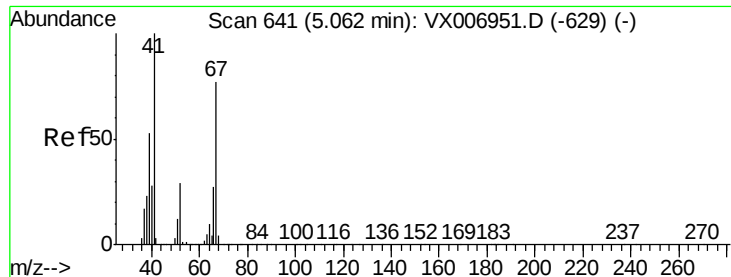
MMDadoda
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#40
Benzene
Concen: 19.739 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8





#41

Methacrylonitrile

Concen: 19.071 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

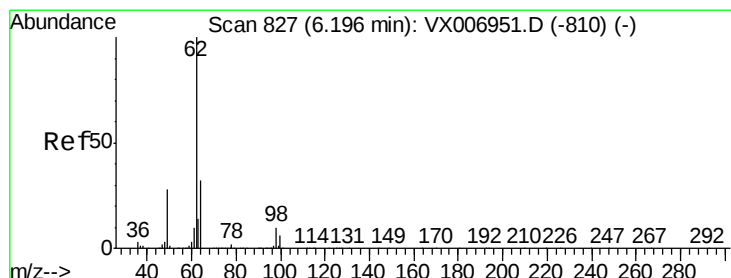
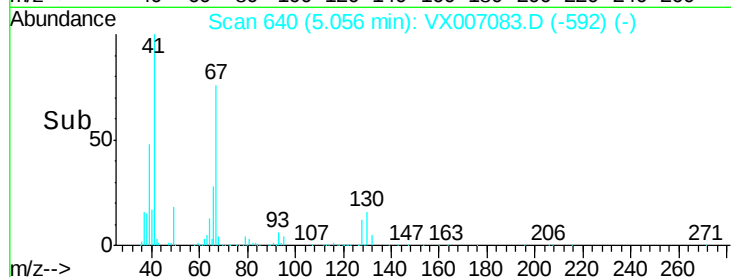
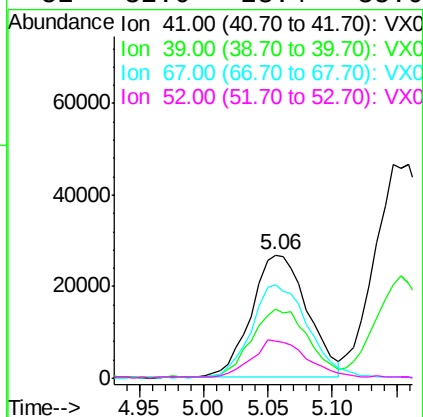
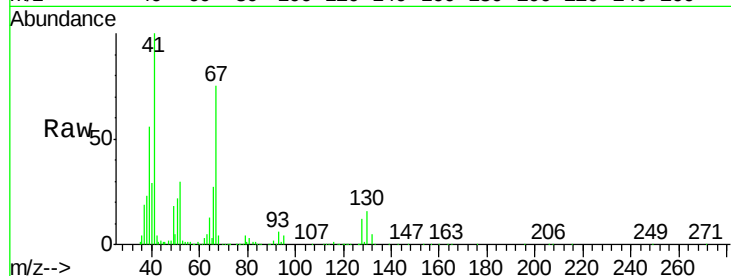
ClientSampleId :

VX0117WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.9	42.8	64.2
67	77.3	62.1	93.1
52	32.0	23.4	35.0

Manual Integrations
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1/18/2019 10:23:34 AM



#42

1,2-Dichloroethane

Concen: 19.376 ug/l

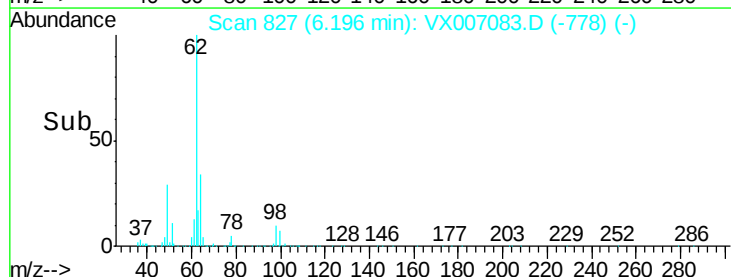
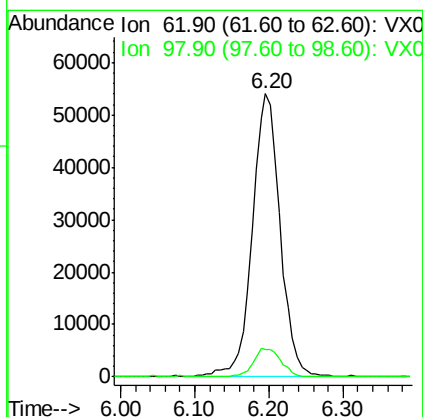
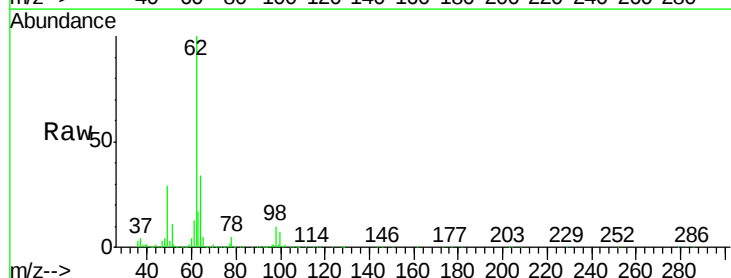
RT: 6.20 min Scan# 827

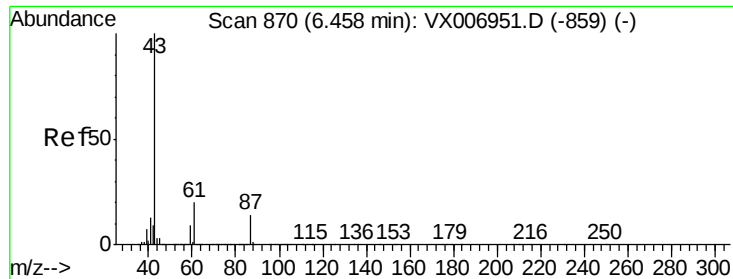
Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

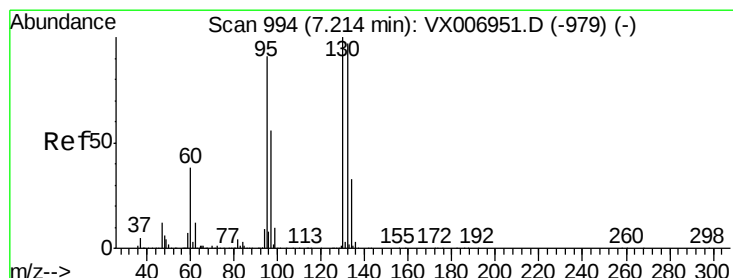
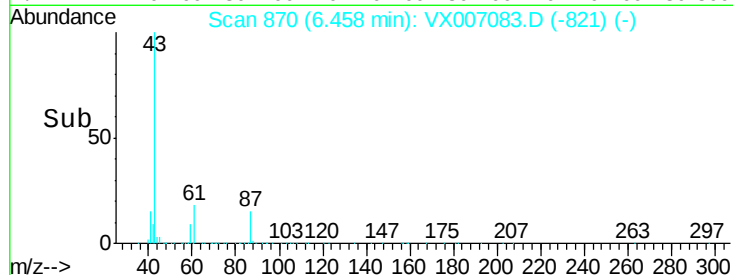
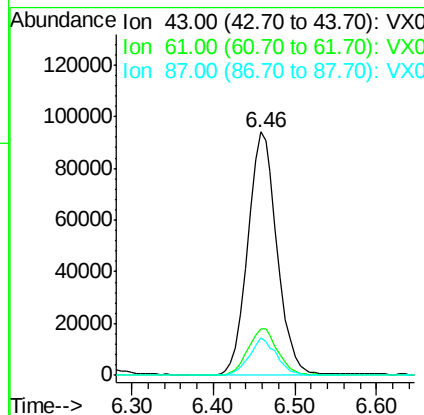
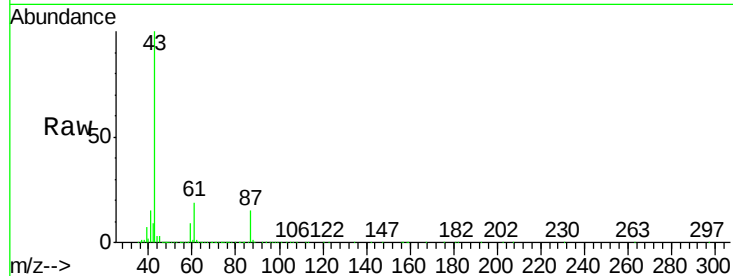
Isopropyl Acetate
 Concen: 20.039 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007083.D
 Acq: 17 Jan 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0117WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.8	25.2
87	14.7	12.4	18.6

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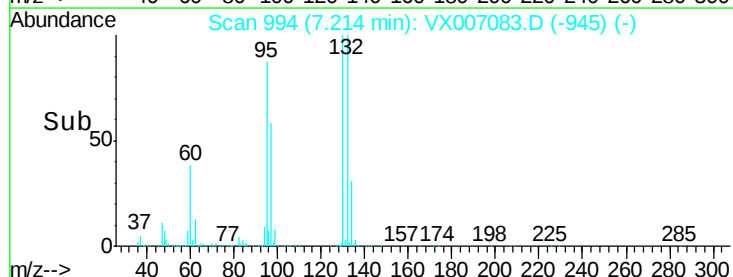
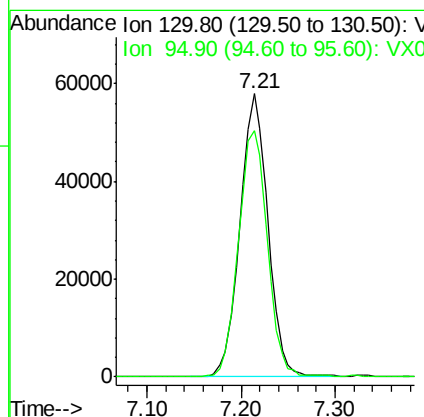
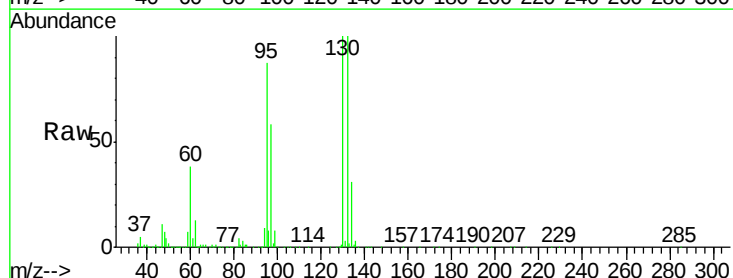
MMDadoda
 1/18/2019 10:23:34 AM

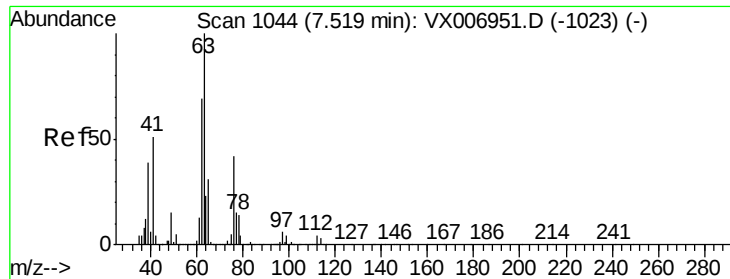


#44

Trichloroethene
 Concen: 19.083 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007083.D
 Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.9	0.0	187.0





#45

1,2-Dichloropropane

Concen: 19.241 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0117WBS01

Tot Ion: 63 Resp: 101655

Ion Ratio Lower Upper

63 100

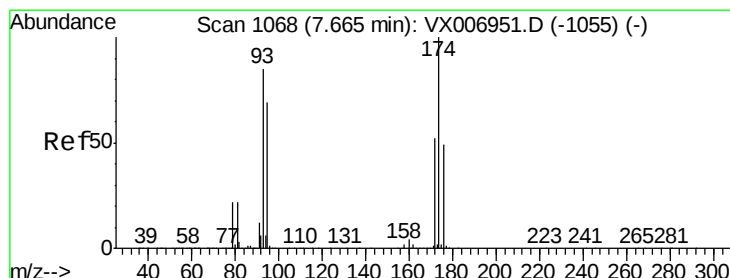
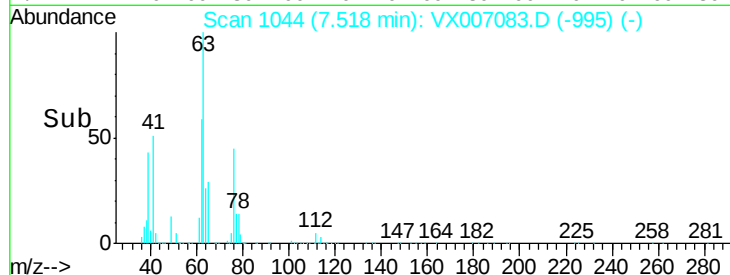
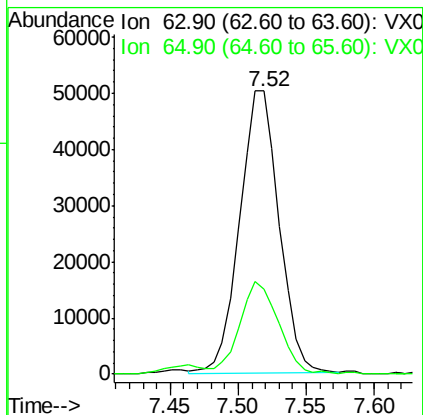
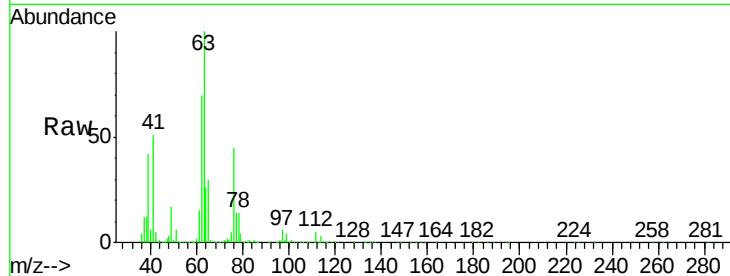
65 30.1 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.310 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

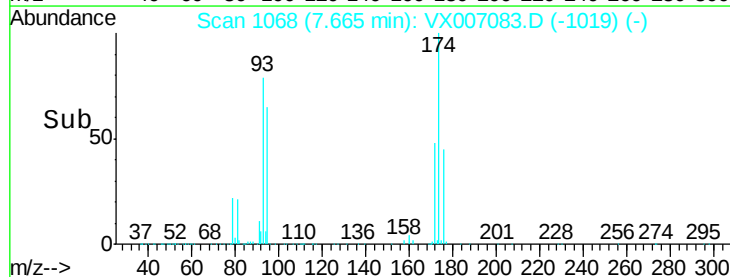
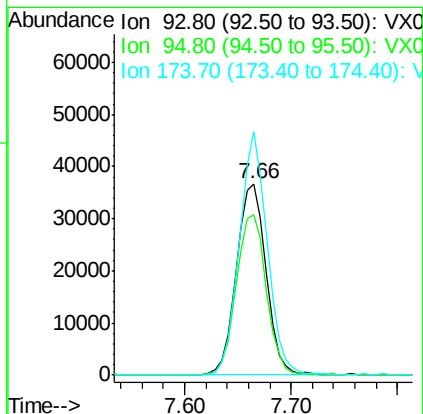
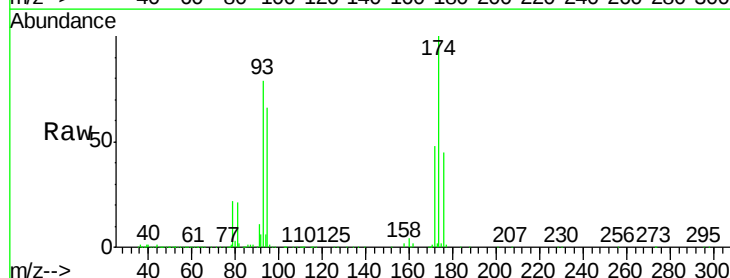
Tgt Ion: 93 Resp: 71697

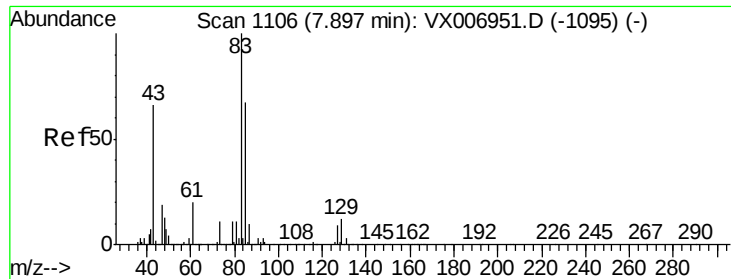
Ion Ratio Lower Upper

93 100

95 85.2 66.2 99.4

174 120.6 91.0 136.4





#47

Bromodichloromethane

Concen: 18.784 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

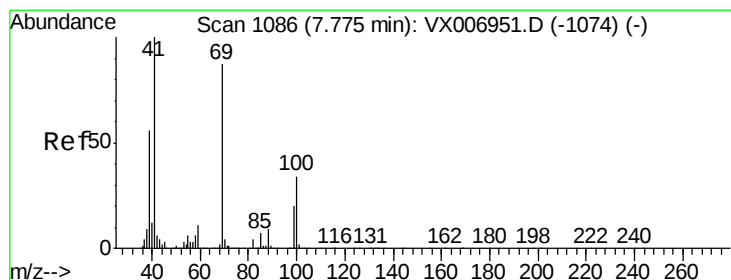
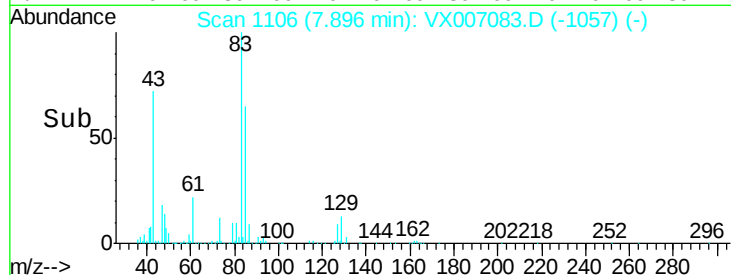
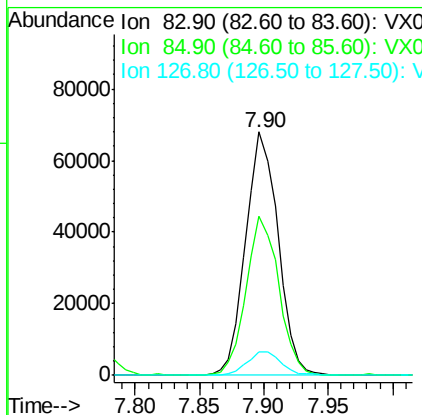
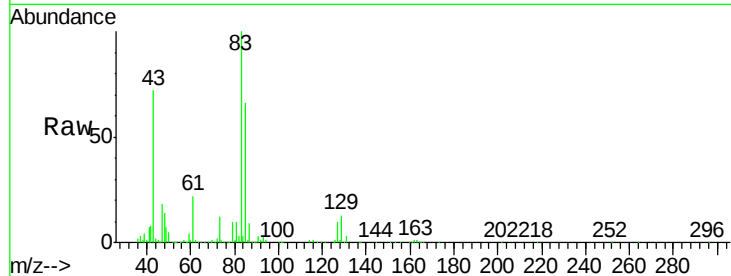
ClientSampleId :

VX0117WBS01

Tot Ion:	83	Resp:	118717
Ion Ratio	Lower	Upper	
83	100		
85	65.4	53.2	79.8
127	9.6	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.217 ug/l

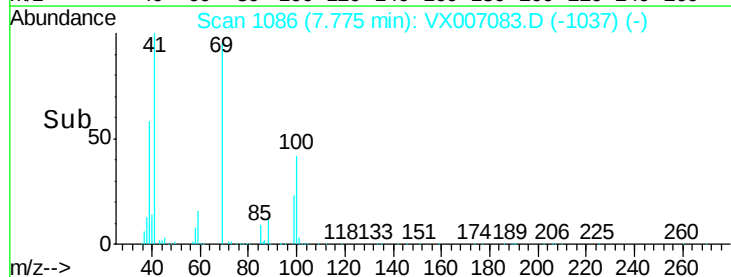
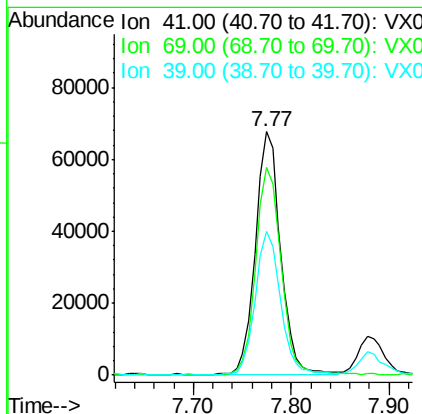
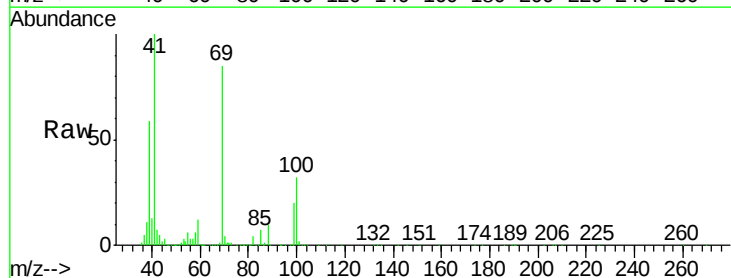
RT: 7.77 min Scan# 1086

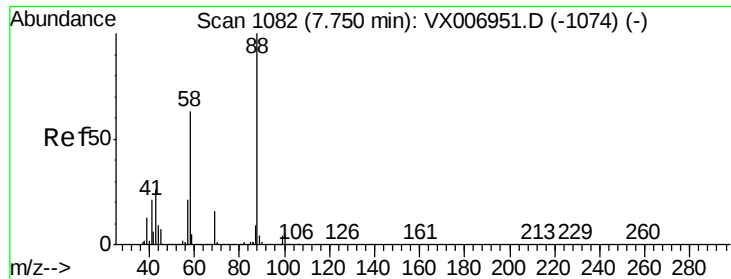
Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion:	41	Resp:	120920
Ion Ratio	Lower	Upper	
41	100		
69	85.5	72.4	108.6
39	59.1	45.8	68.8





#49

1,4-Dioxane

Concen: 344.490 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

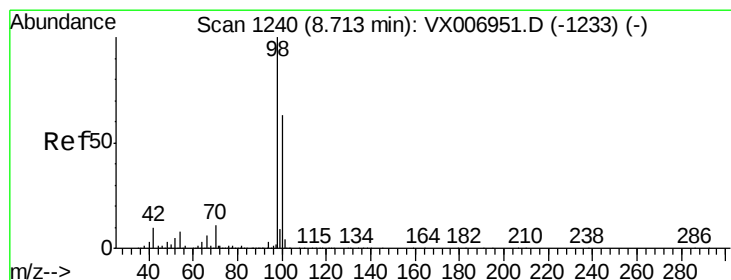
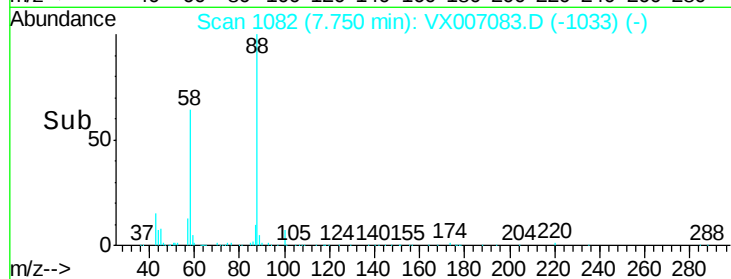
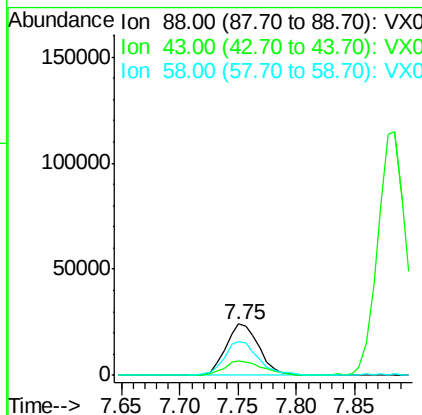
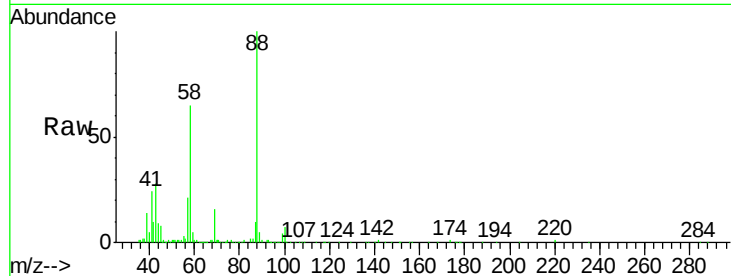
ClientSampleId :

VX0117WBS01

Tot Ion:	88	Resp:	47821
Ion	Ratio	Lower	Upper
88	100		
43	31.4	22.2	33.4
58	67.8	51.0	76.4

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#50

Toluene-d8

Concen: 50.500 ug/l

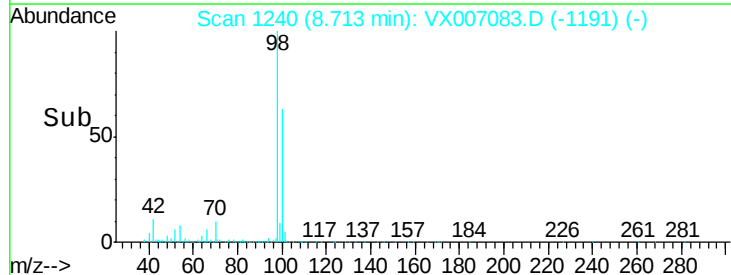
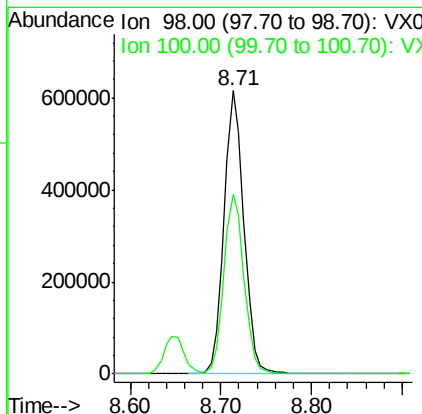
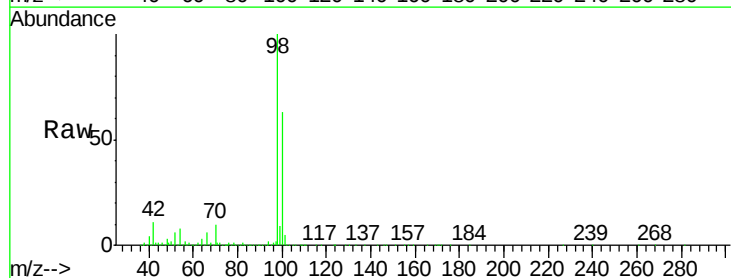
RT: 8.71 min Scan# 1240

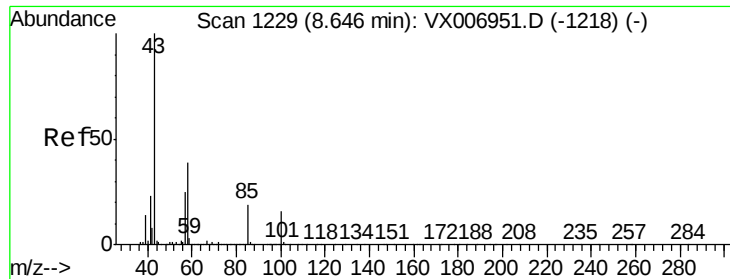
Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion:	98	Resp:	937704
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 103.878 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion: 43 Resp: 777504

Ion Ratio Lower Upper

43 100

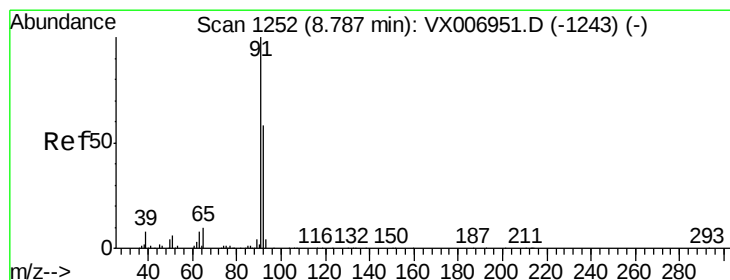
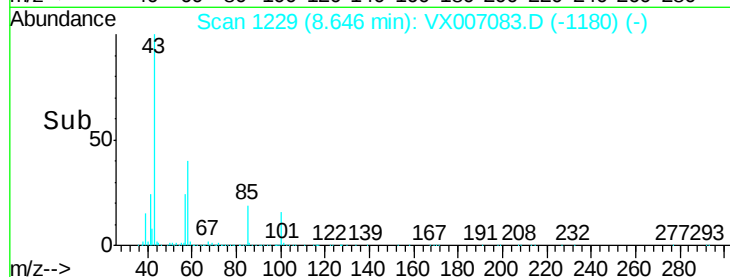
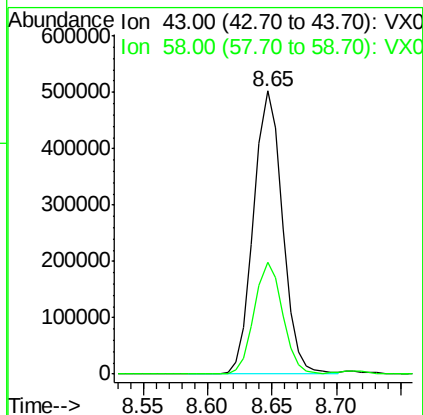
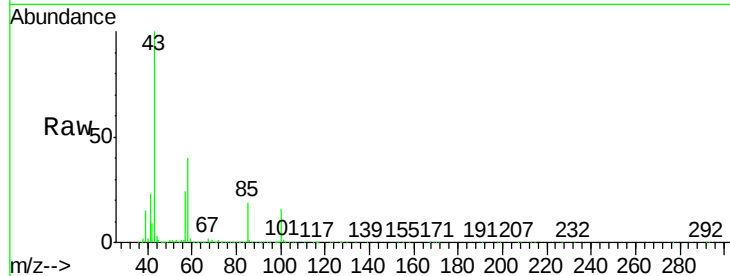
58 38.9 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 19.789 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007083.D

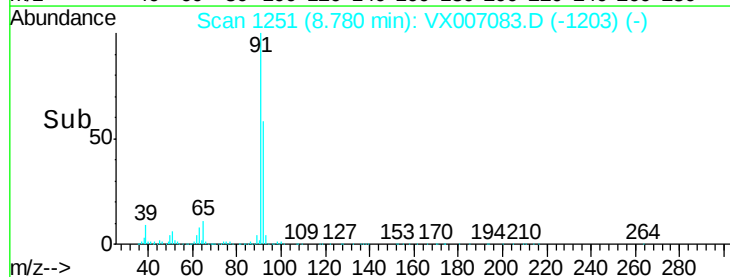
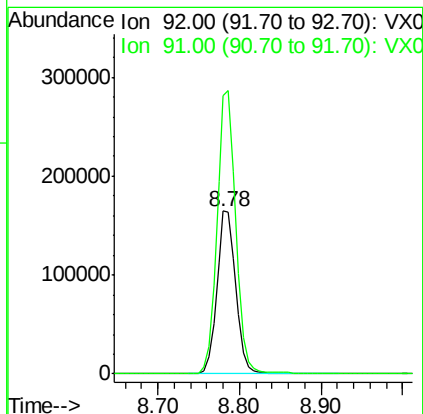
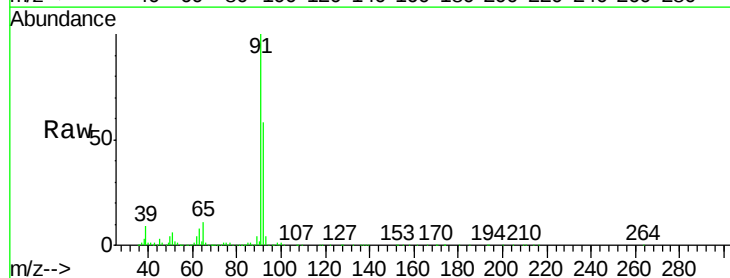
Acq: 17 Jan 2019 12:43

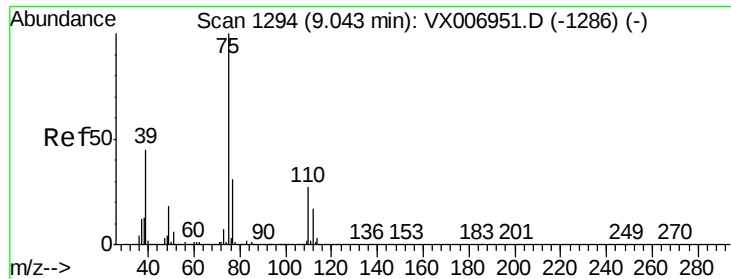
Tgt Ion: 92 Resp: 267279

Ion Ratio Lower Upper

92 100

91 171.8 137.6 206.4





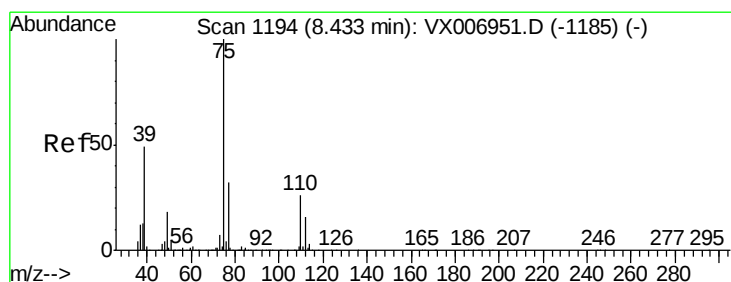
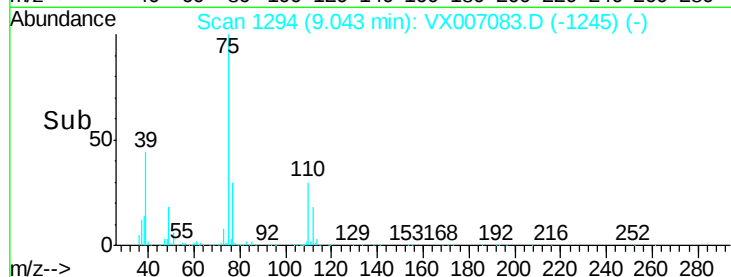
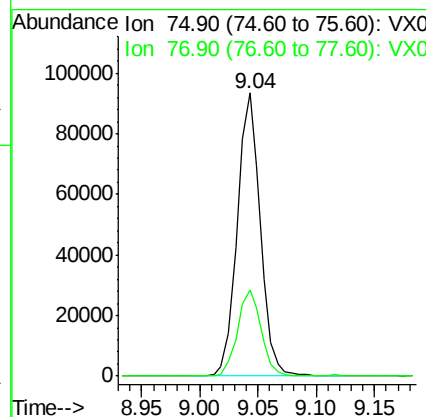
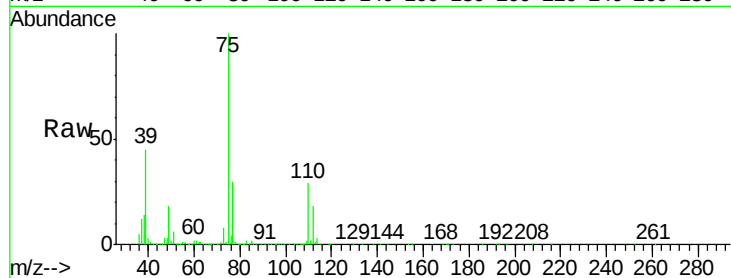
#53
t-1,3-Dichloropropene
Concen: 18.494 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0117WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.0

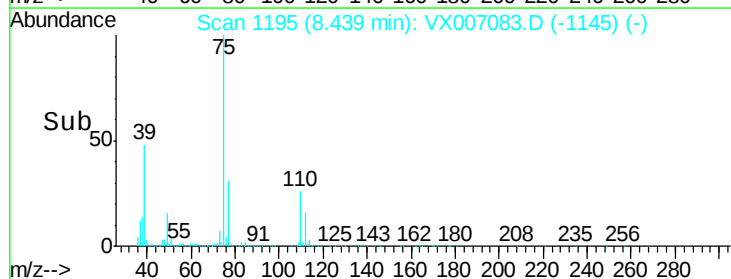
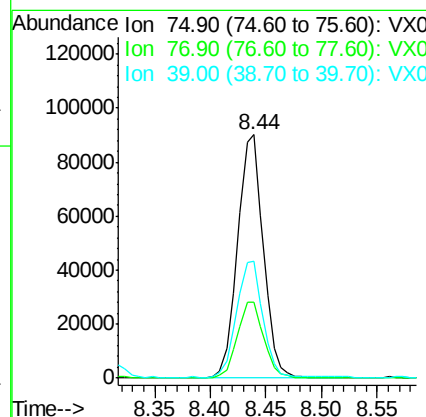
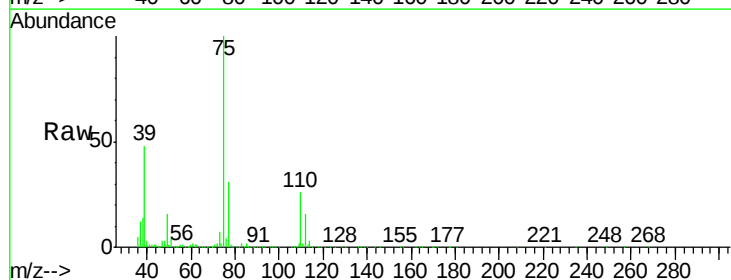
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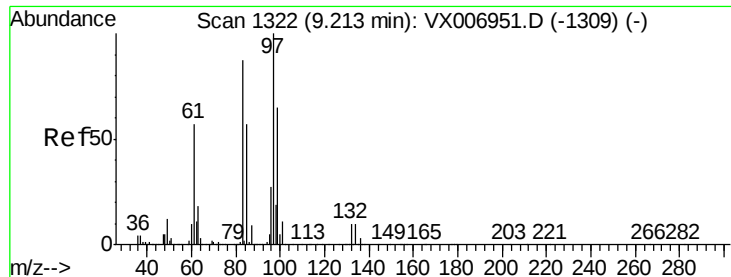
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#54
cis-1,3-Dichloropropene
Concen: 18.699 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.2	39.2
39	47.6	36.7	55.1





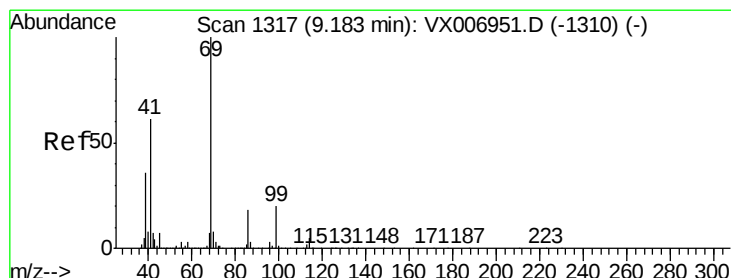
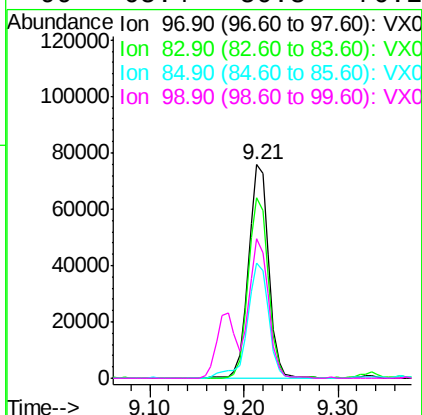
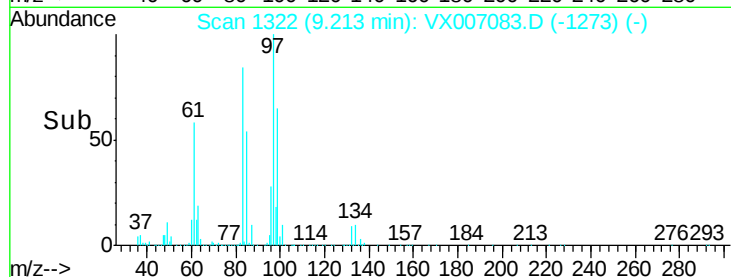
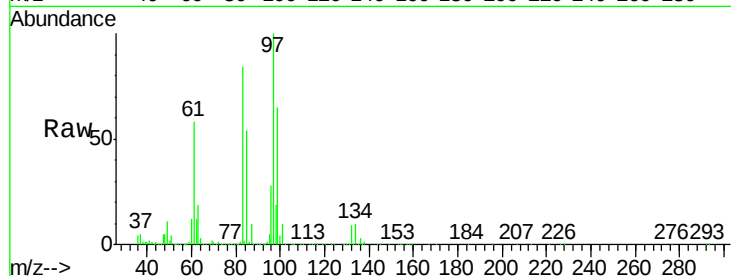
#55
 1,1,2-Trichloroethane
 Concen: 21.102 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007083.D
 Acq: 17 Jan 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0117WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		114081		
83	84.2	66.6	99.8		
85	53.7	42.7	64.1		
99	65.4	50.8	76.2		

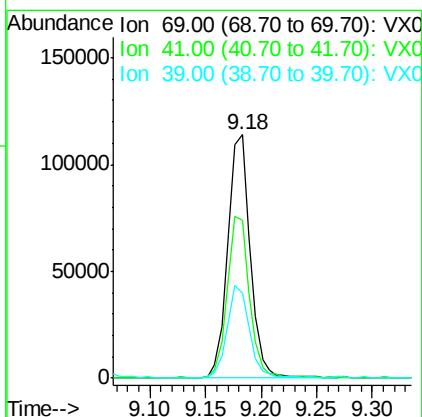
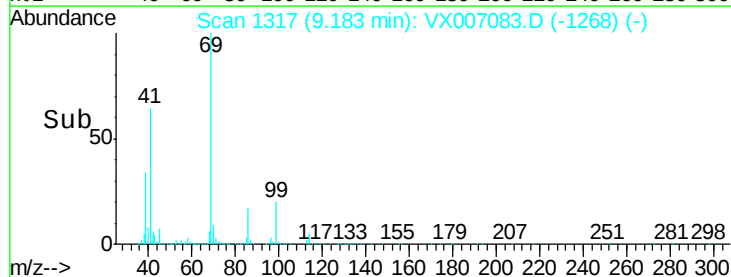
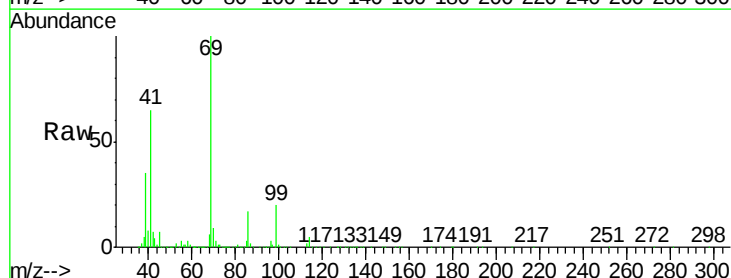
Manual Integrations
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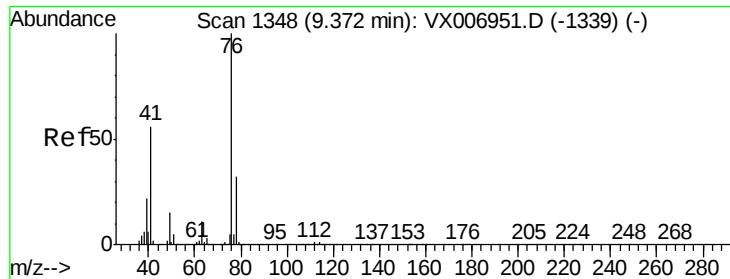
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#56
 Ethyl methacrylate
 Concen: 20.166 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX007083.D
 Acq: 17 Jan 2019 12:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		159159		
41	65.3	48.7	73.1		
39	37.1	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 20.353 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion: 76 Resp: 180263

Ion Ratio Lower Upper

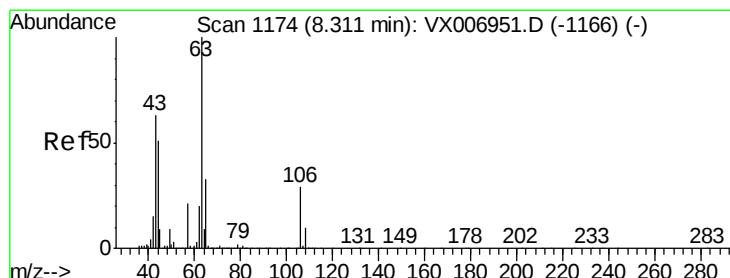
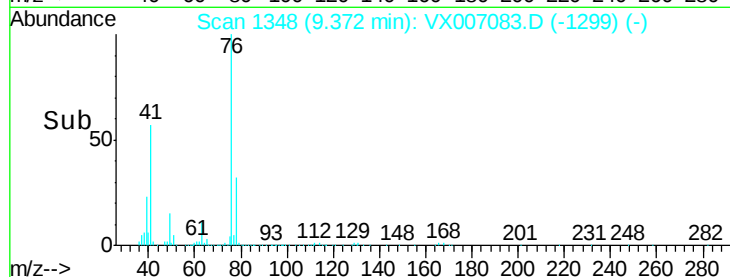
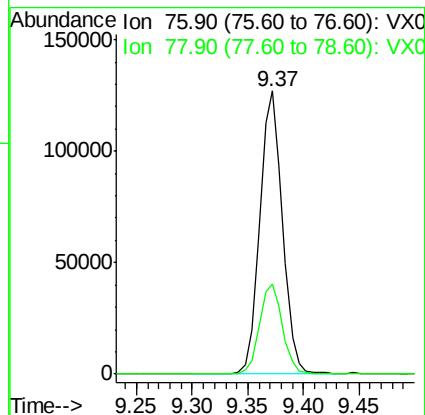
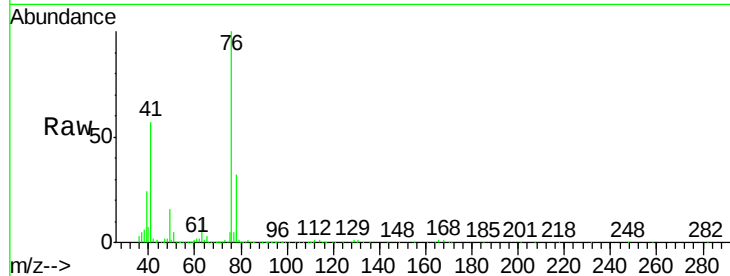
76 100

78 32.3 26.0 39.0

Manual Integrations
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1/18/2019 10:23:34 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.456 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007083.D

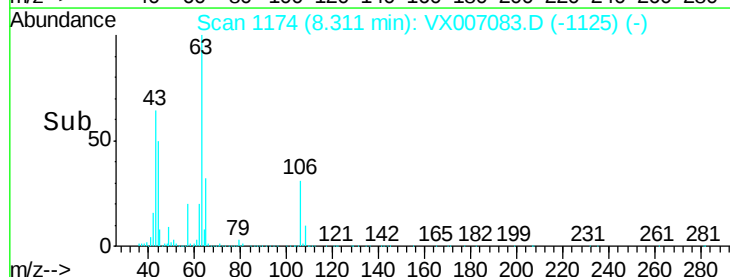
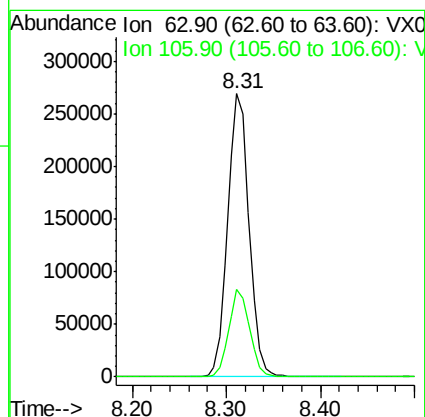
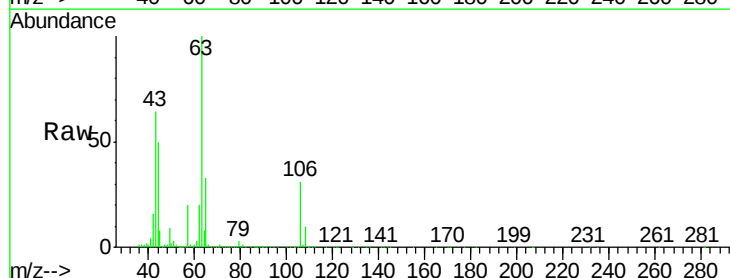
Acq: 17 Jan 2019 12:43

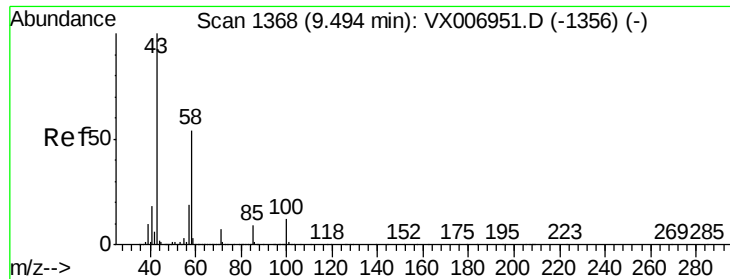
Tgt Ion: 63 Resp: 423879

Ion Ratio Lower Upper

63 100

106 30.2 24.6 36.8





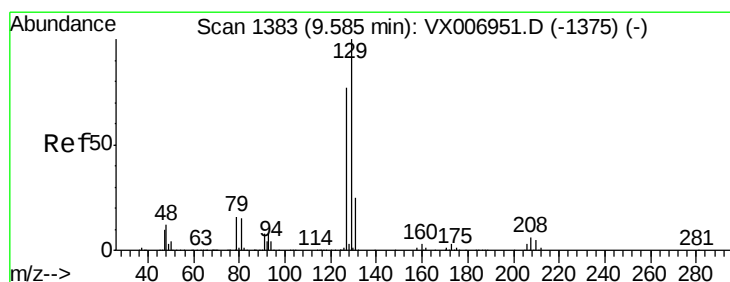
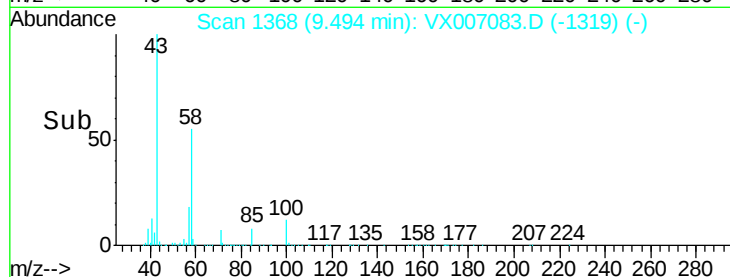
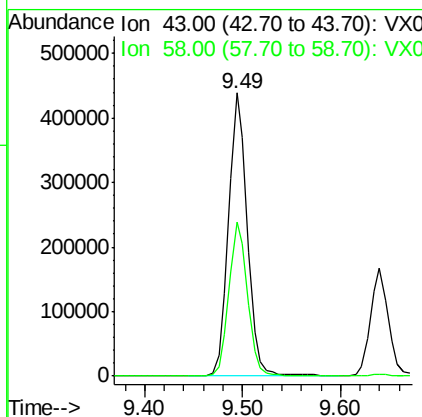
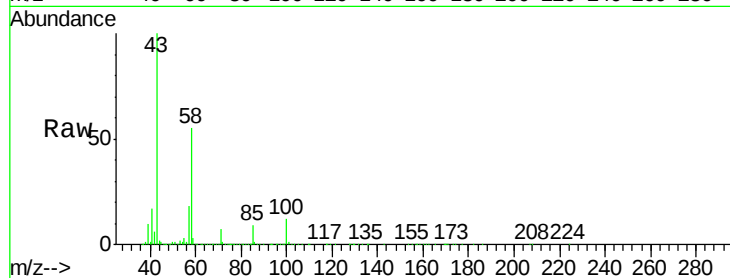
#59
2-Hexanone
Concen: 102.096 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0117WBS01

Tot Ion: 43 Resp: 582340
Ion Ratio Lower Upper
43 100
58 54.7 27.7 83.1

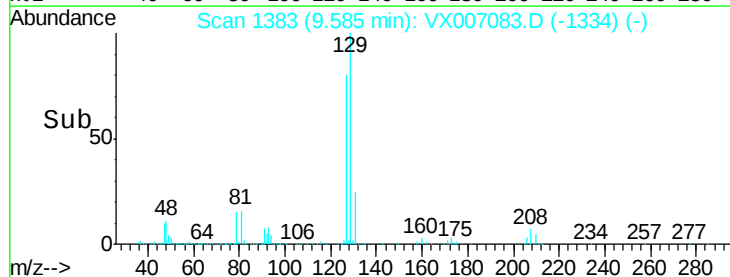
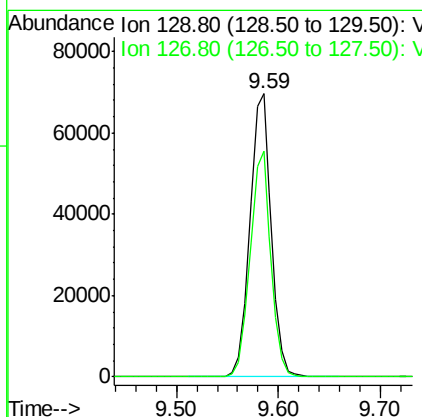
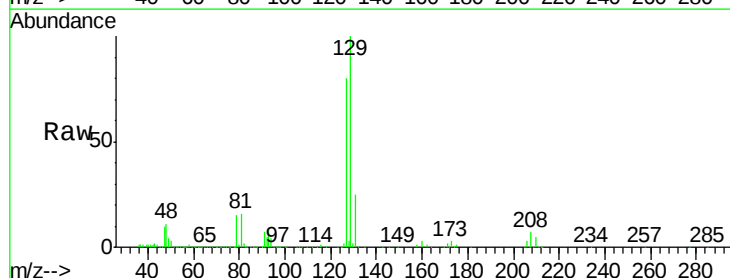
Manual Integrations
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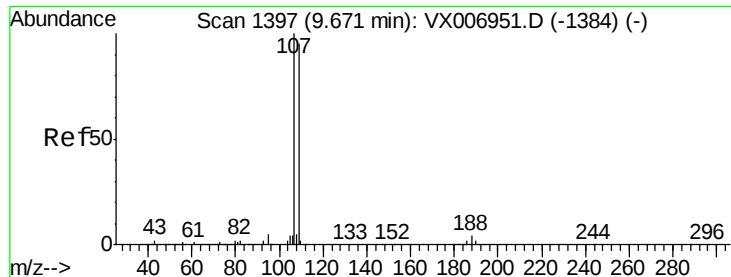
MMDadoda
1/18/2019 10:23:34 AM



#60
Dibromochloromethane
Concen: 19.324 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion: 129 Resp: 101445
Ion Ratio Lower Upper
129 100
127 77.9 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.526 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion: 107 Resp: 122167

Ion Ratio Lower Upper

107 100

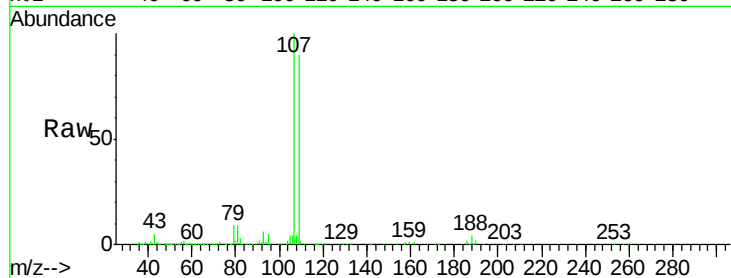
109 93.1 75.8 113.6

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

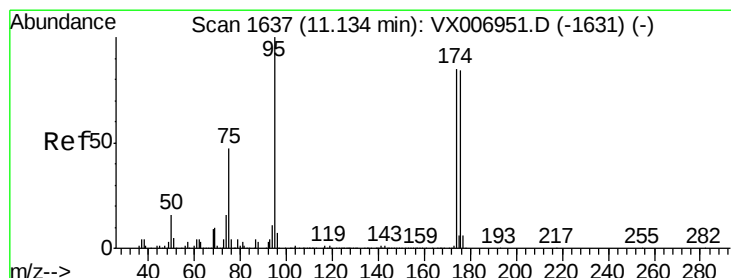
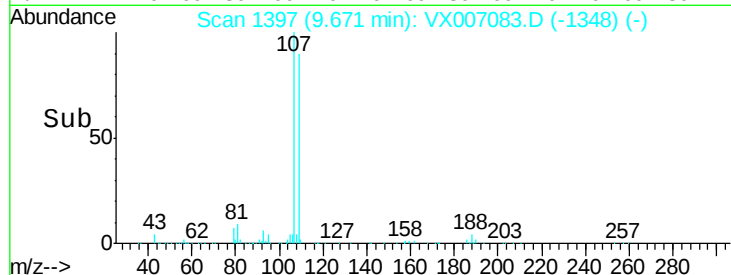
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.523 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

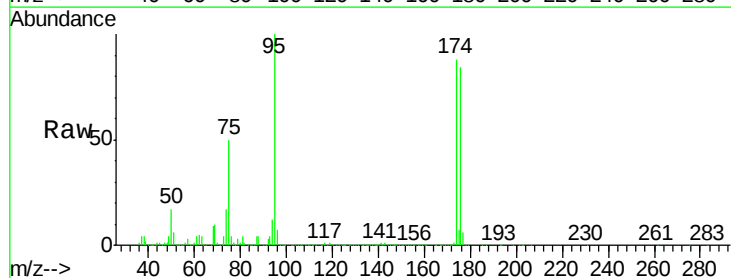
Tgt Ion: 95 Resp: 333524

Ion Ratio Lower Upper

95 100

174 95.6 0.0 182.2

176 92.1 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

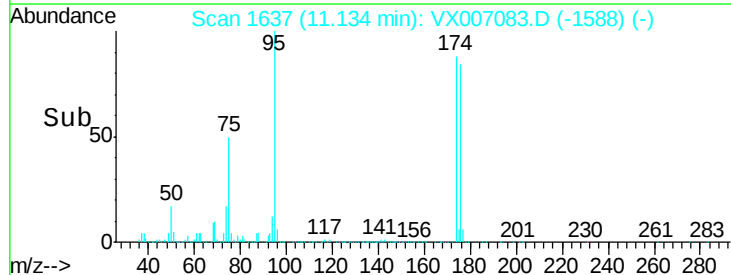
300000

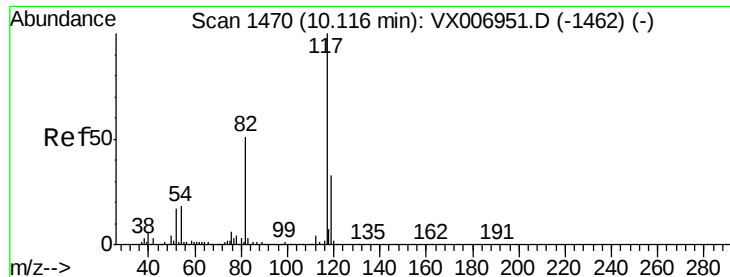
200000

100000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

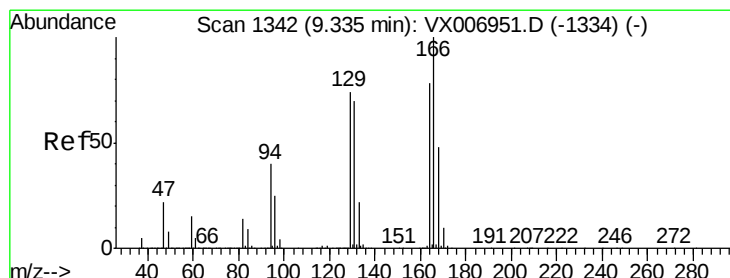
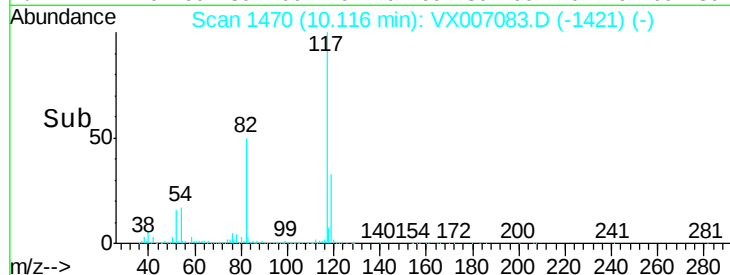
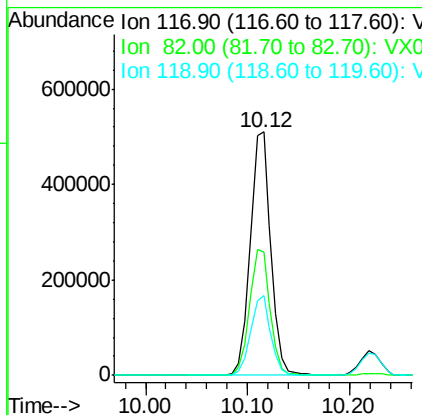
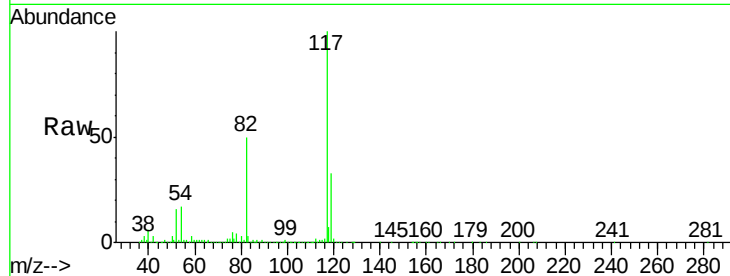
ClientSampleId :

VX0117WBS01

Tot Ion:	117	Resp:	720099
Ion Ratio	Lower	Upper	
117	100		
82	50.3	41.0	61.6
119	32.6	25.4	38.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.496 ug/l

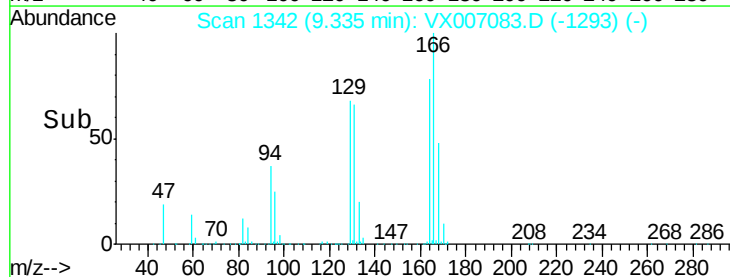
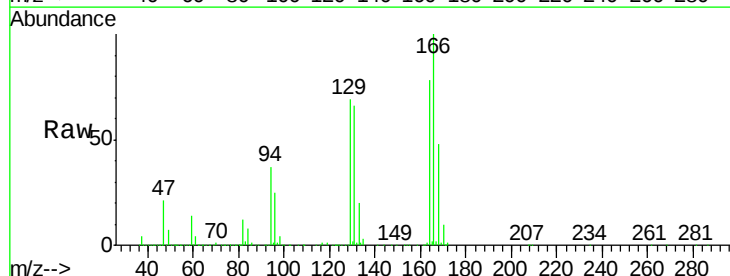
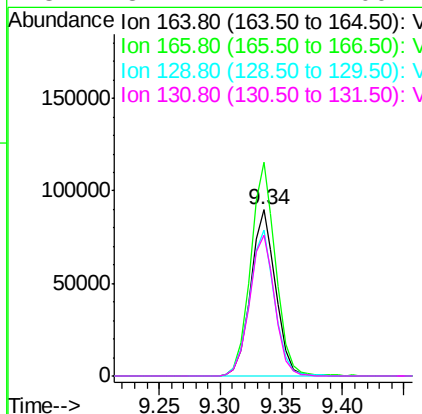
RT: 9.34 min Scan# 1342

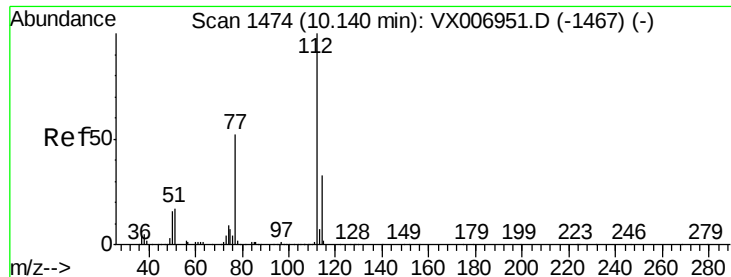
Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion:	164	Resp:	127779
Ion Ratio	Lower	Upper	
164	100		
166	128.6	102.5	153.7
129	88.2	75.1	112.7
131	84.4	72.7	109.1





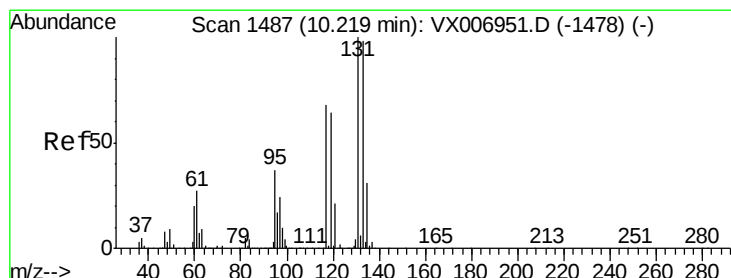
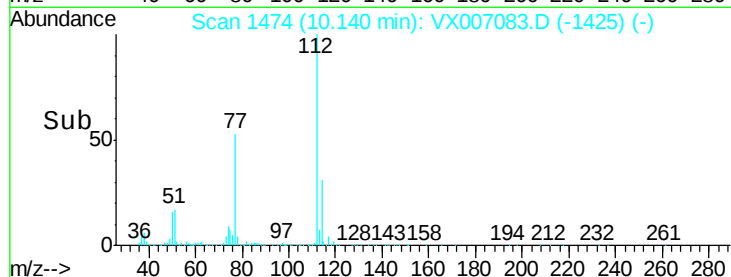
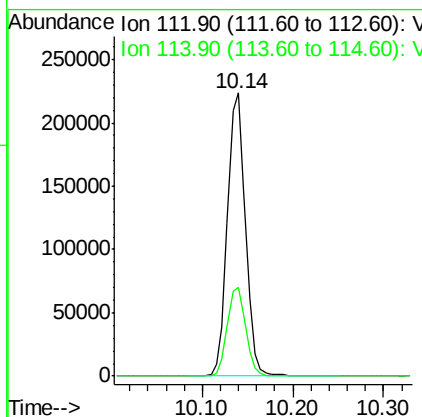
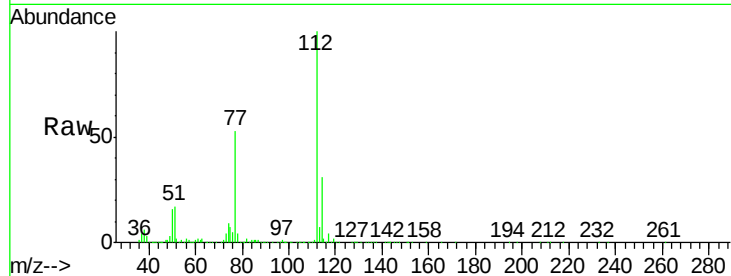
#65
Chlorobenzene
Concen: 19.692 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0117WBS01

Tot Ion:112 Resp: 309279
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5

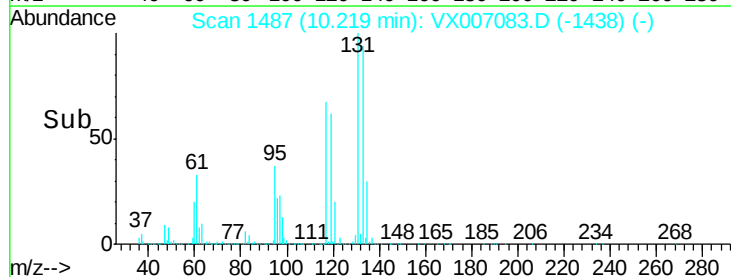
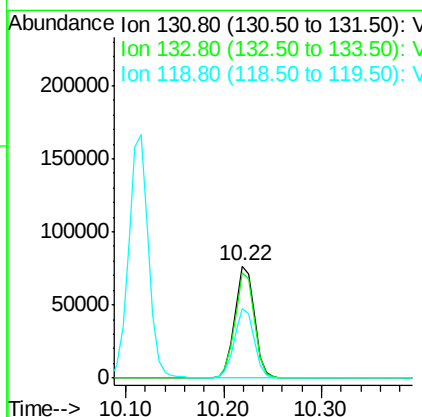
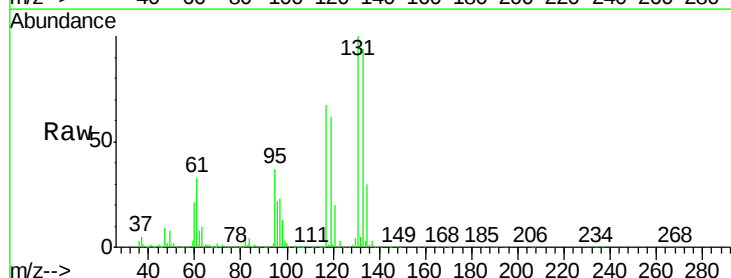
Manual Integrations
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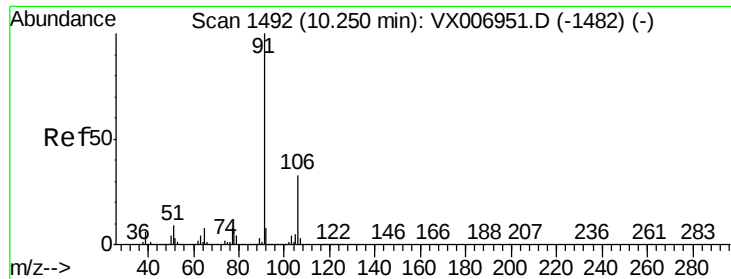
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.179 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion:131 Resp: 106614
Ion Ratio Lower Upper
131 100
133 93.3 48.0 144.2
119 62.5 32.6 97.8





#67

Ethyl Benzene

Concen: 19.540 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion: 91 Resp: 506630

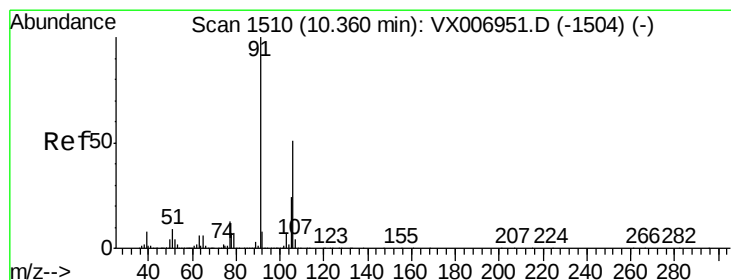
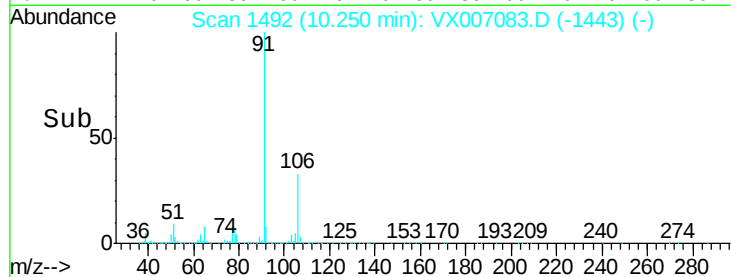
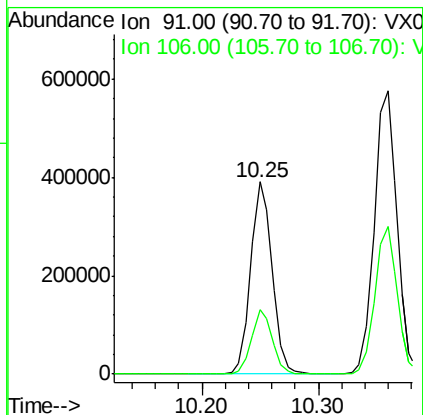
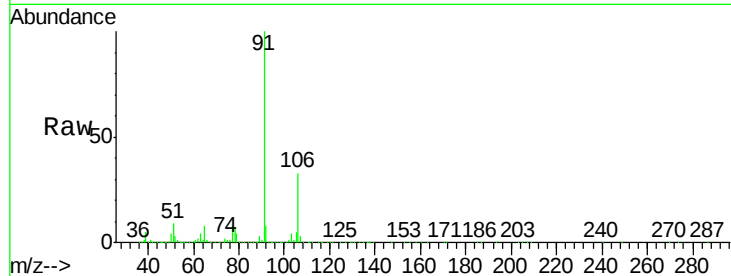
Ion Ratio Lower Upper

91 100

106 33.3 26.4 39.6

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#68

m/p-Xylenes

Concen: 39.176 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007083.D

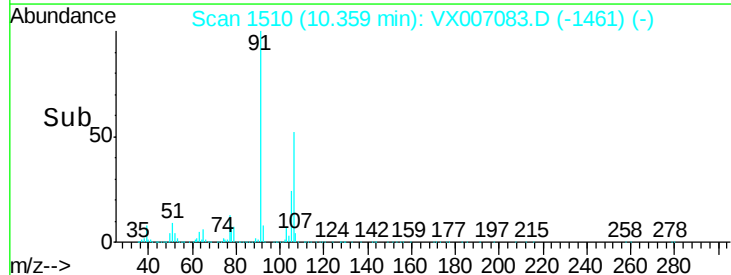
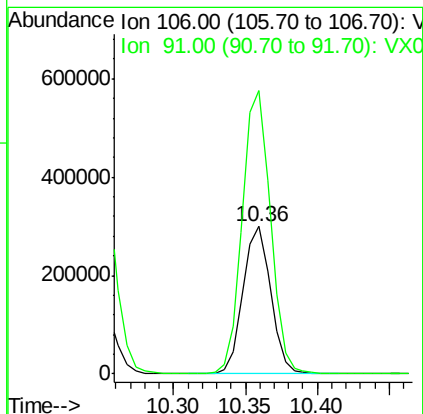
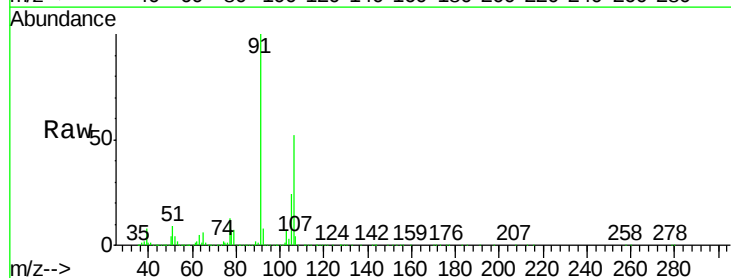
Acq: 17 Jan 2019 12:43

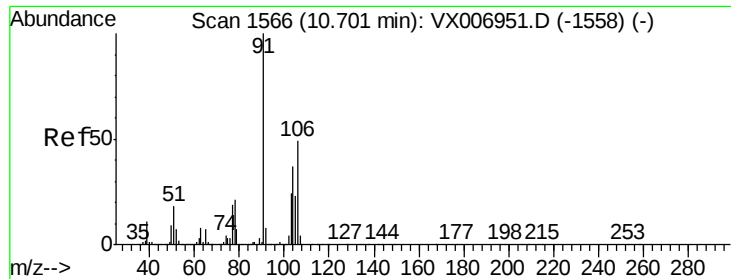
Tgt Ion: 106 Resp: 400200

Ion Ratio Lower Upper

106 100

91 196.0 155.8 233.6





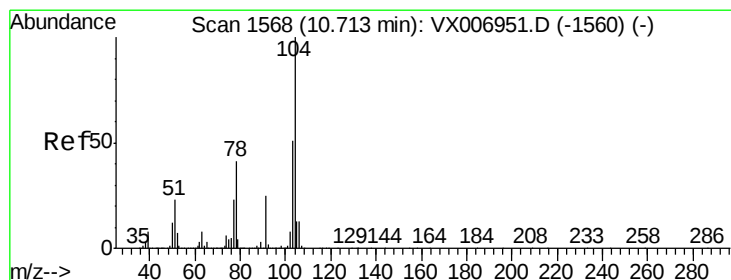
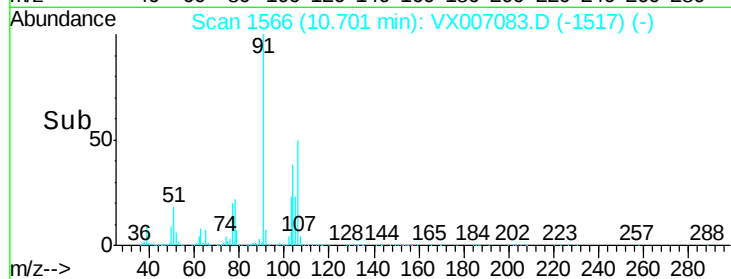
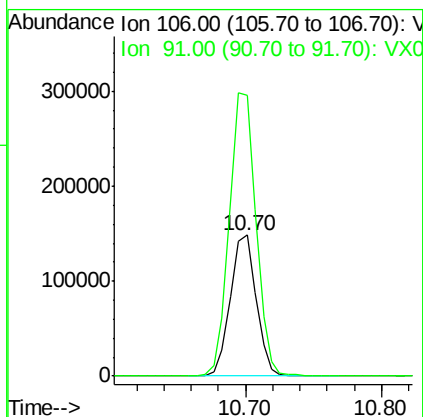
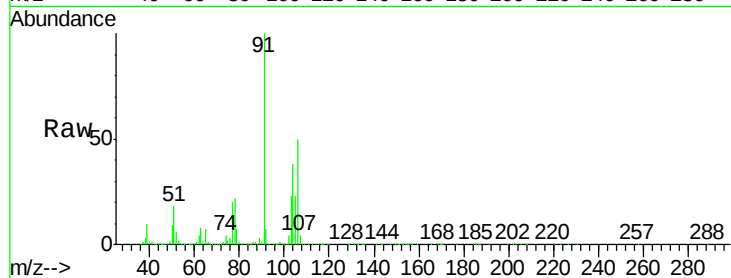
#69
o-Xylene
Concen: 19.819 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0117WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.2	101.3	303.7	

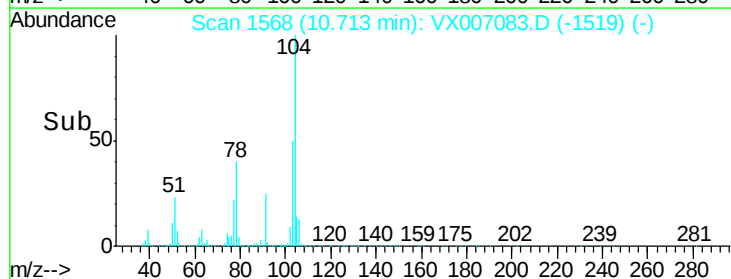
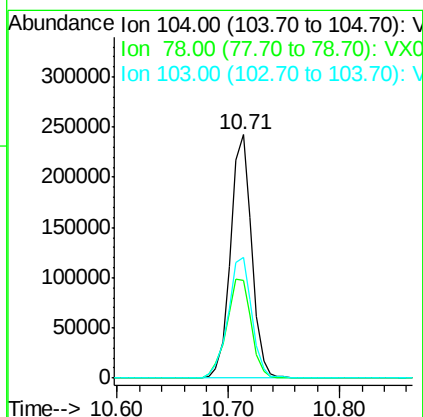
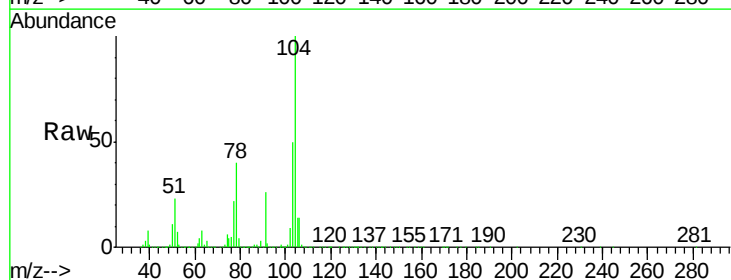
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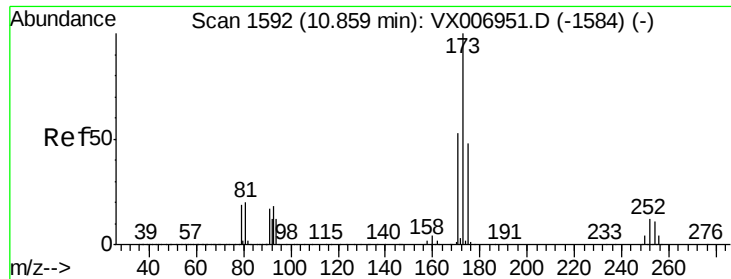
MMDadoda
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#70
Styrene
Concen: 20.168 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.9	37.7	56.5	
103	55.6	43.8	65.8	





#71

Bromoform

Concen: 18.630 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion:173 Resp: 72580

Ion Ratio Lower Upper

173 100

175 51.0 24.7 74.1

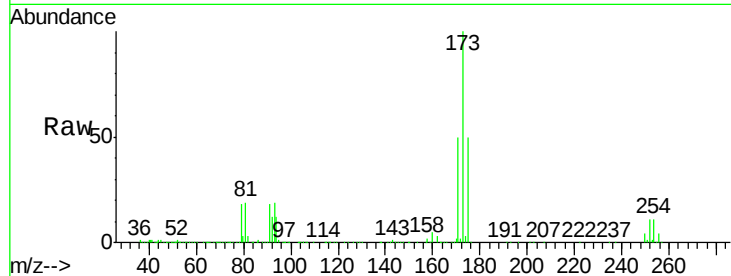
254 0.2 0.2 0.2

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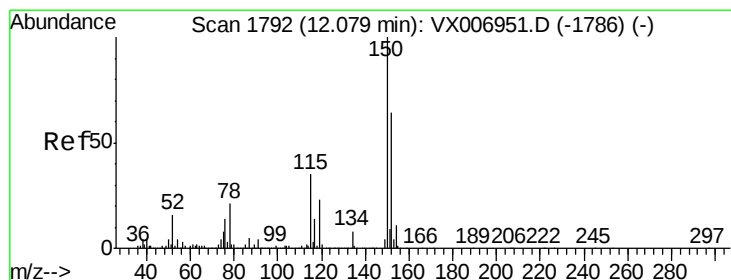
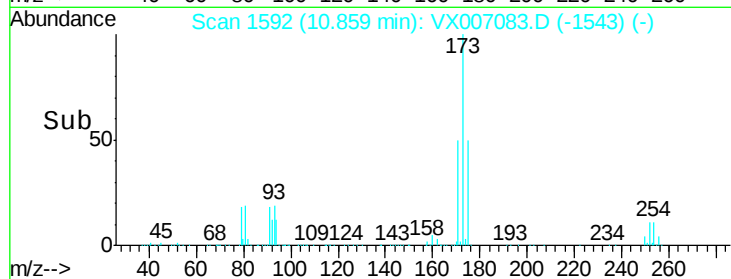
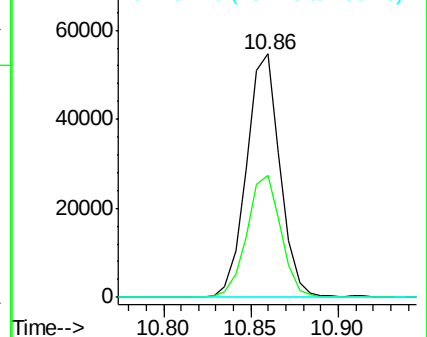
1/18/2019 10:23:34 AM



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: VX007083.D

Acq: 17 Jan 2019 12:43

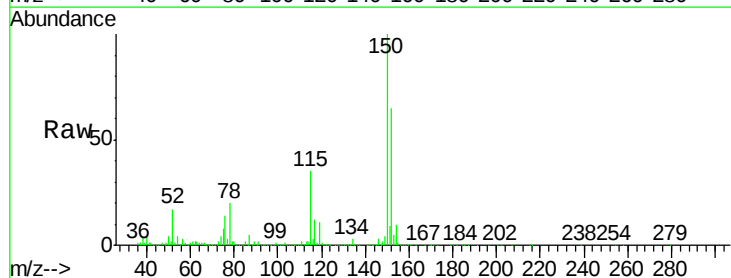
Tgt Ion:152 Resp: 369634

Ion Ratio Lower Upper

152 100

115 63.9 39.1 117.2

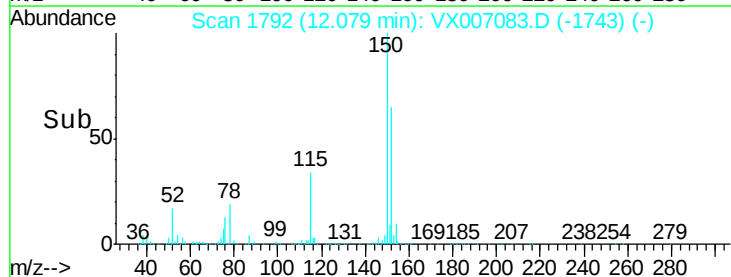
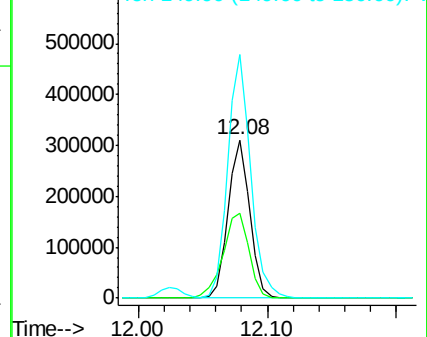
150 161.6 0.0 344.8

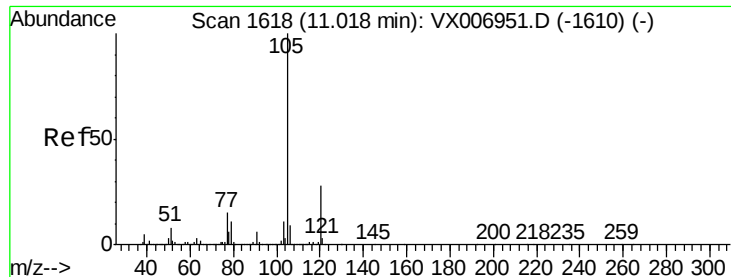


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.388 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion: 105 Resp: 531395

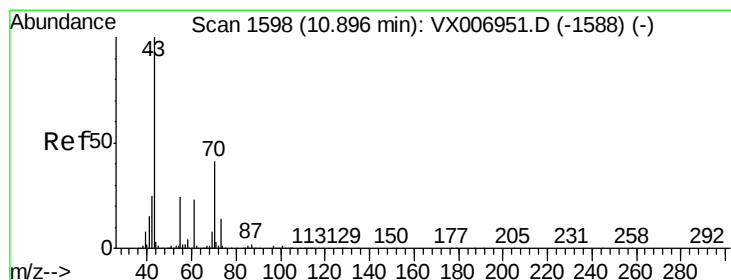
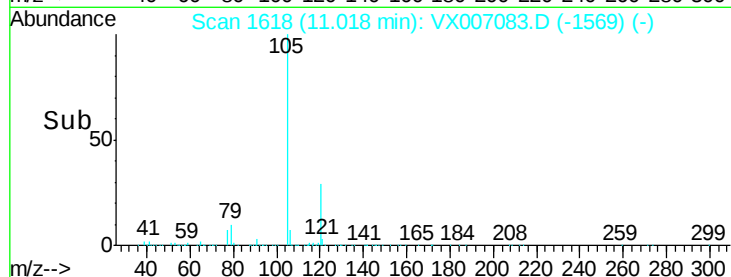
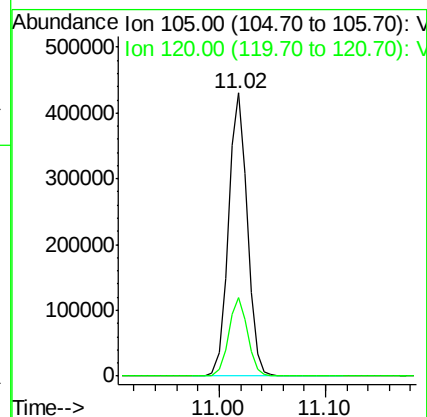
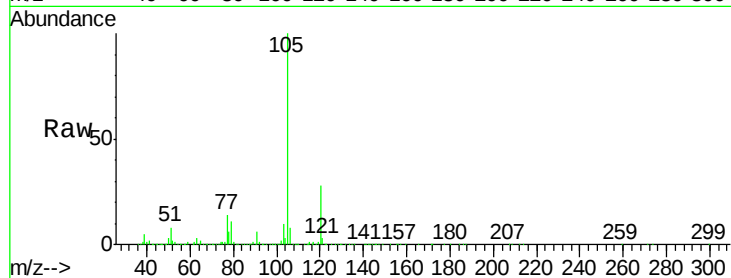
Ion Ratio Lower Upper

105 100

120 27.6 14.1 42.4

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#74

N-ethyl acetate

Concen: 19.576 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion: 43 Resp: 205433

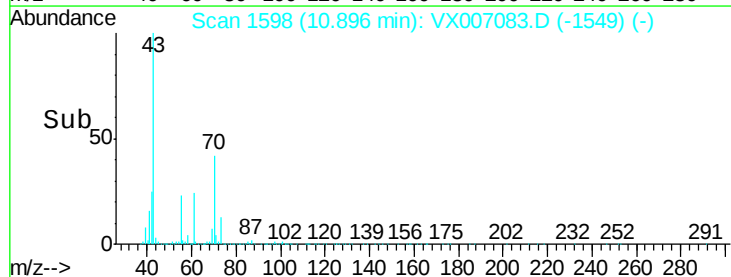
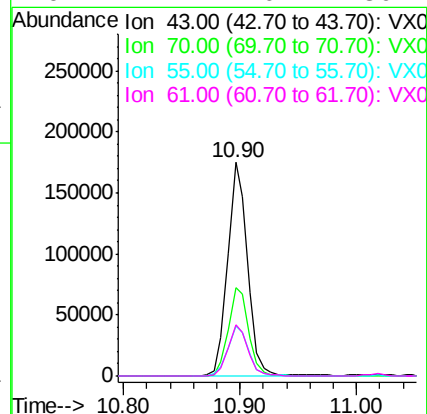
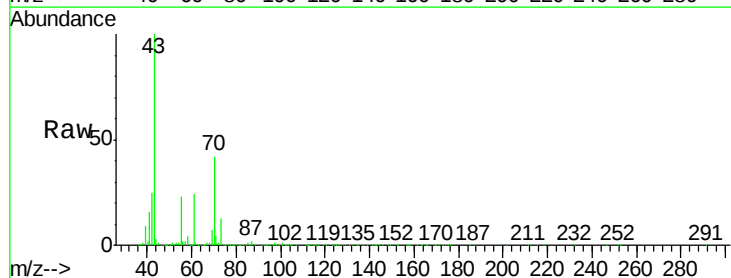
Ion Ratio Lower Upper

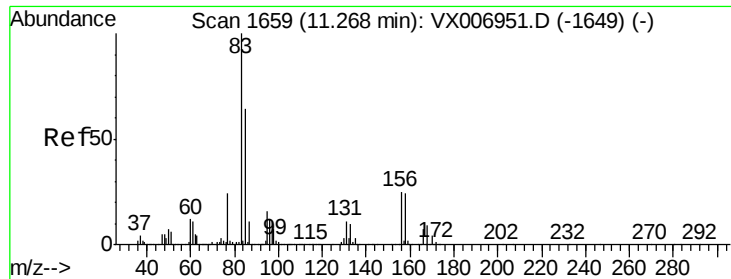
43 100

70 42.9 35.8 53.8

55 24.5 19.4 29.0

61 24.2 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.570 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

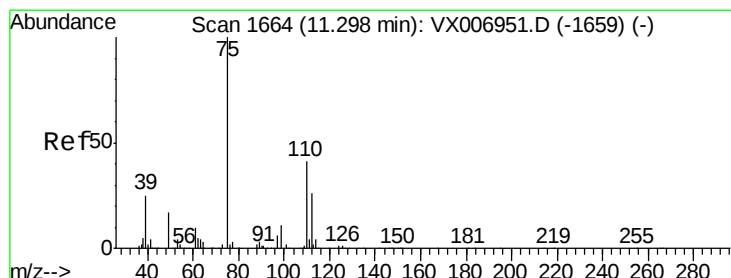
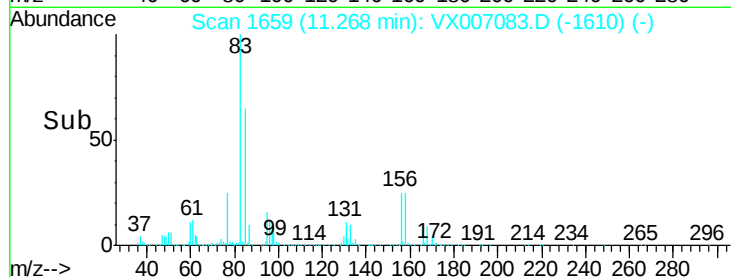
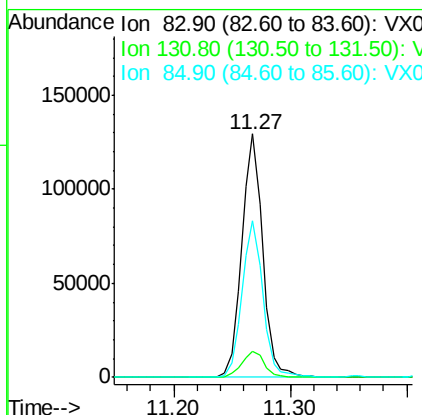
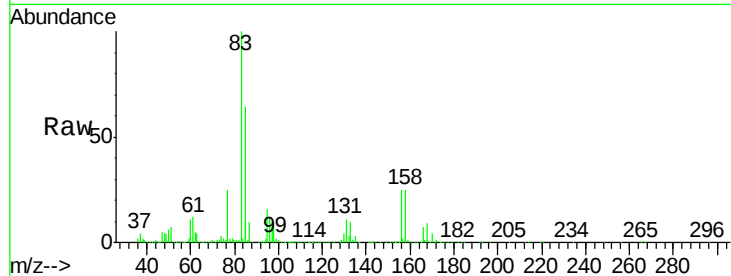
ClientSampleId :

VX0117WBS01

Tot Ion:	83	Resp:	161937
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	64.9	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.734 ug/l m

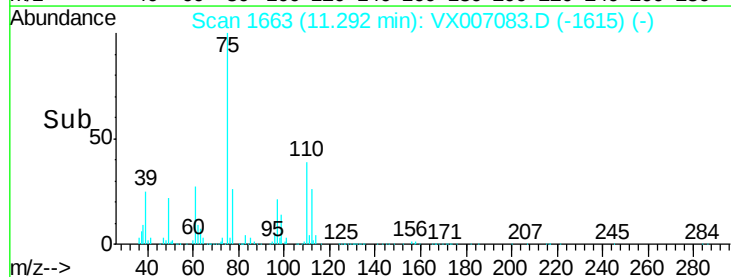
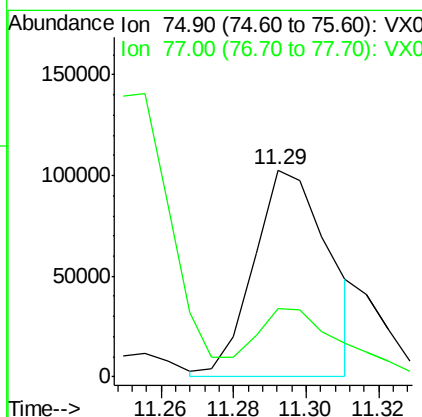
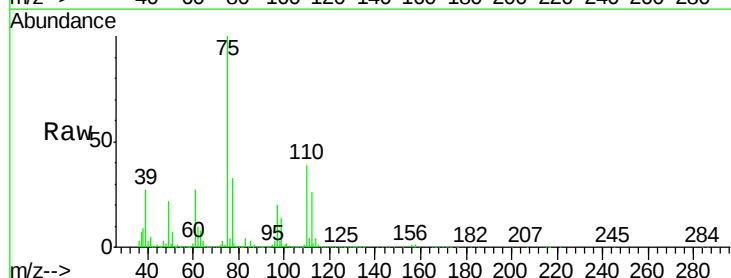
RT: 11.29 min Scan# 1663

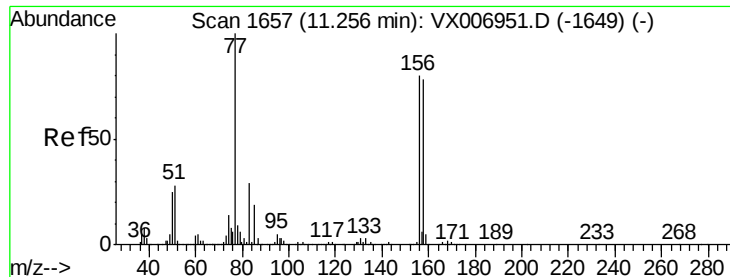
Delta R.T. -0.01 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion:	75	Resp:	147820
Ion Ratio	Lower	Upper	
75	100		
77	37.0	18.5	55.5





#77

Bromobenzene

Concen: 20.083 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

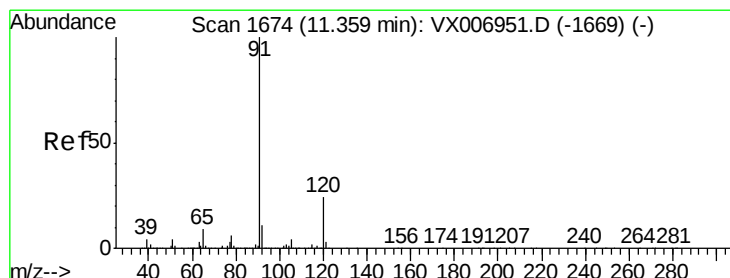
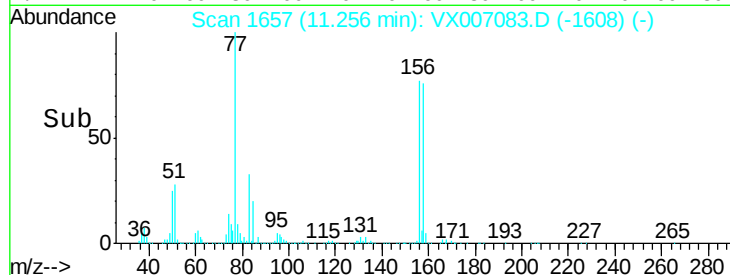
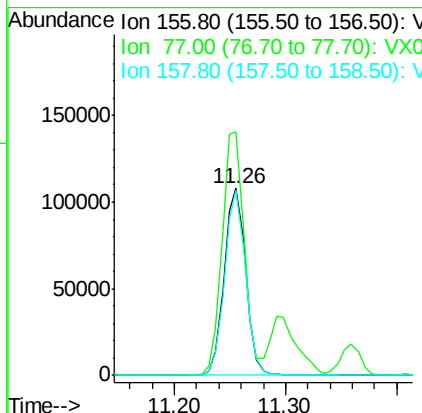
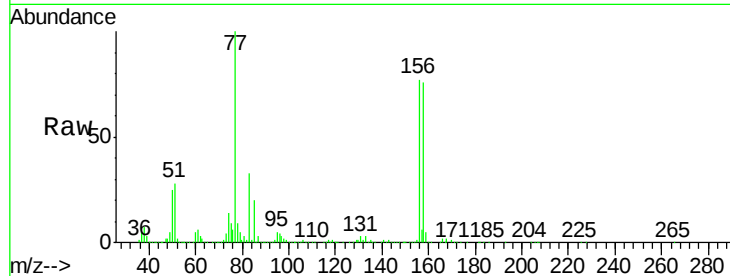
ClientSampleId :

VX0117WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.9	68.0	204.0
158	96.5	48.3	144.8

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#78

n-propylbenzene

Concen: 20.226 ug/l

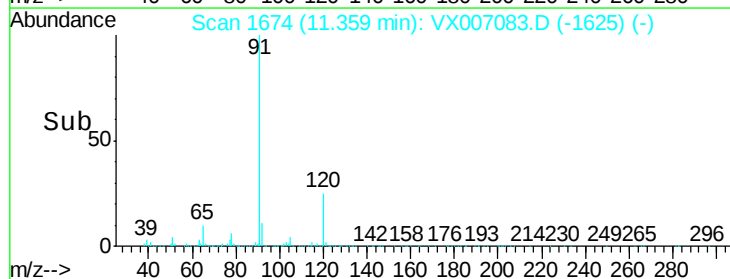
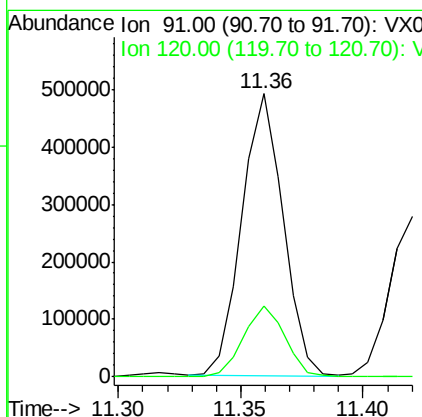
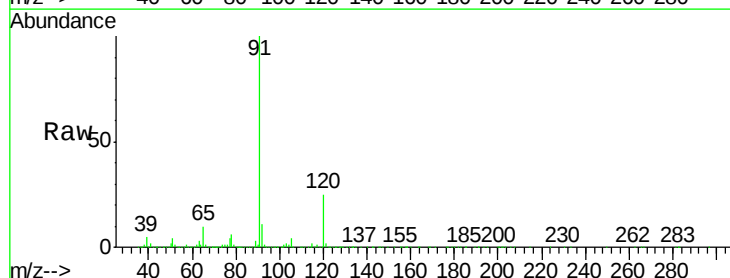
RT: 11.36 min Scan# 1674

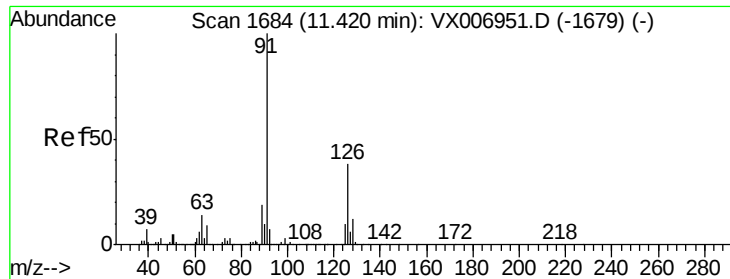
Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.4	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.970 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0117WBS01

Tot Ion: 91 Resp: 343966

Ion Ratio Lower Upper

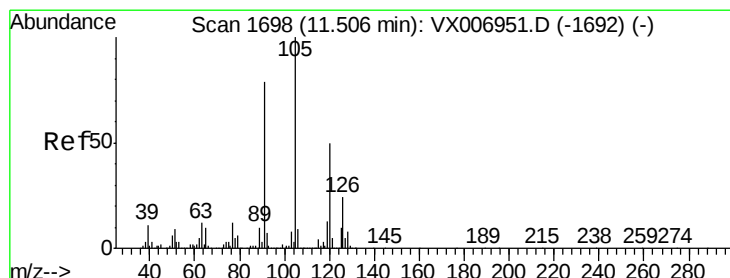
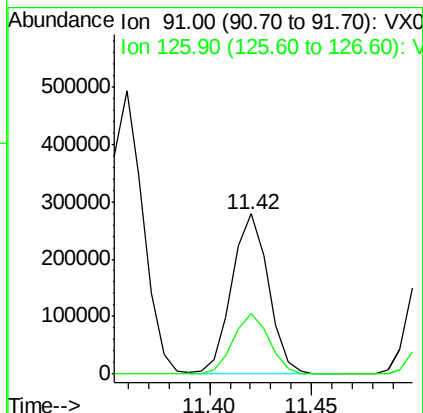
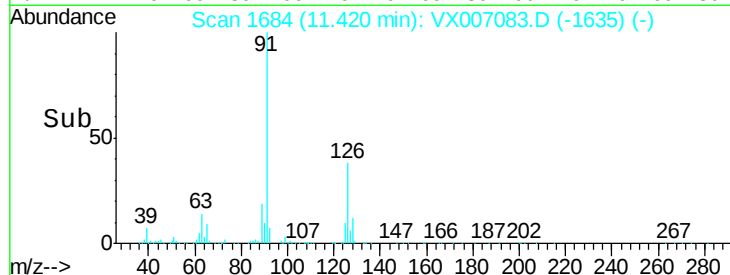
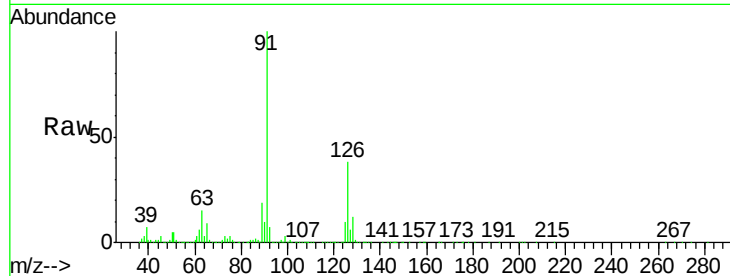
91 100

126 37.5 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.558 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007083.D

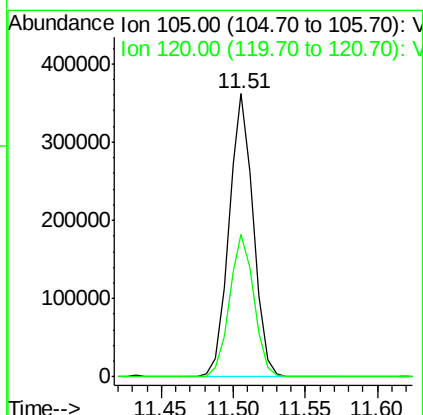
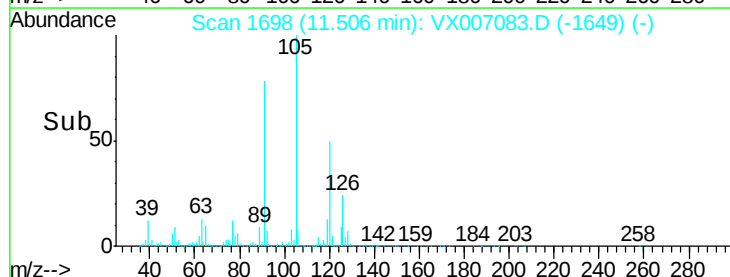
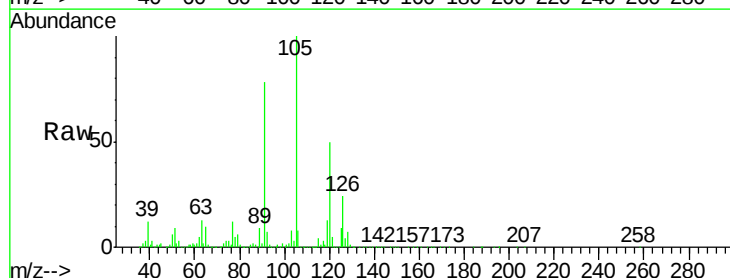
Acq: 17 Jan 2019 12:43

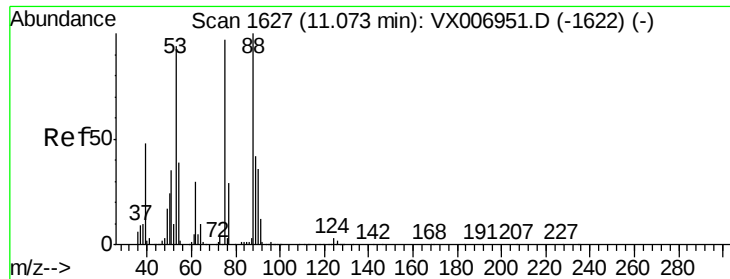
Tgt Ion: 105 Resp: 425949

Ion Ratio Lower Upper

105 100

120 51.1 25.1 75.3





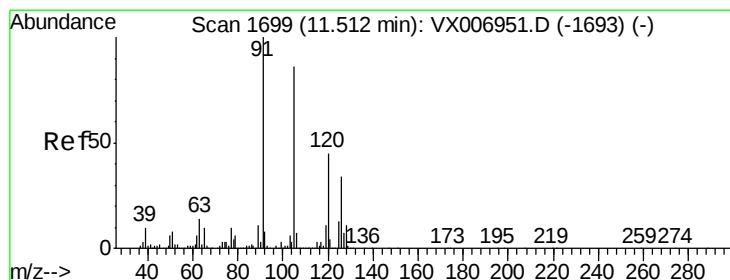
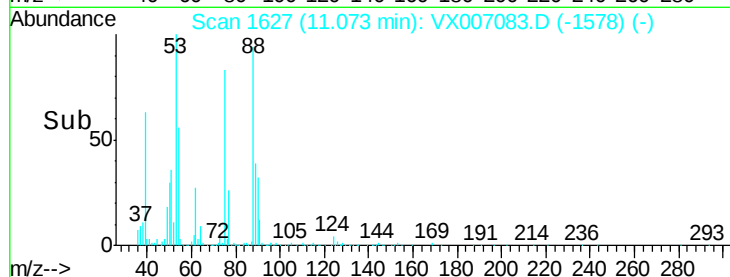
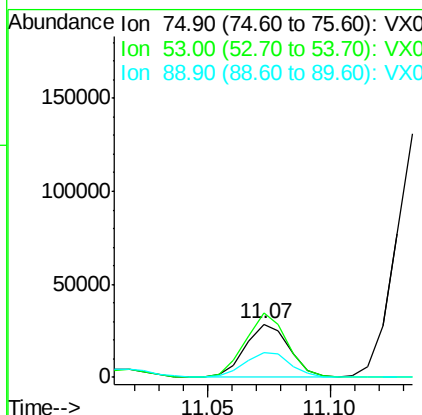
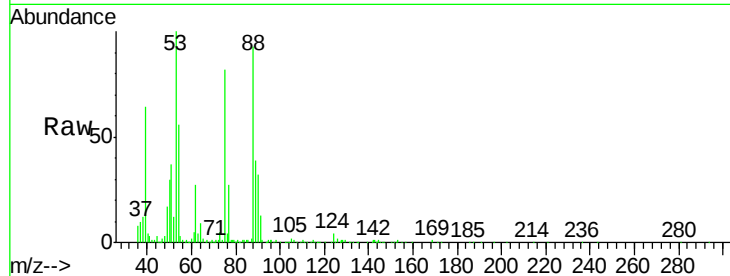
#81
trans-1,4-Dichloro-2-butene
Concen: 17.065 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0117WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.9	79.7	119.5
89	48.4	38.0	57.0

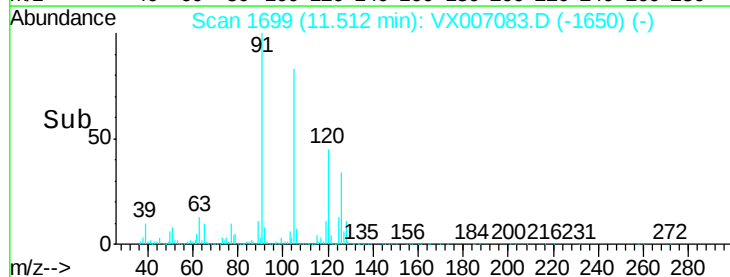
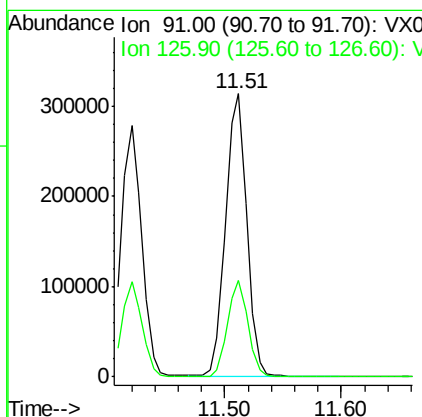
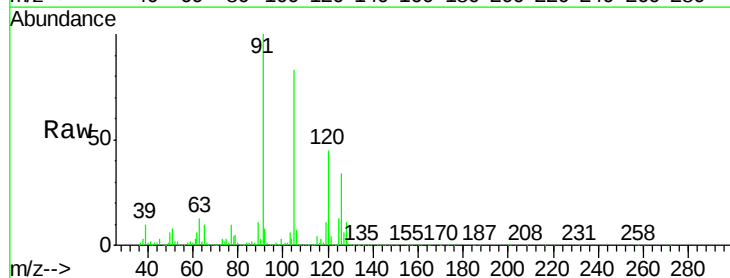
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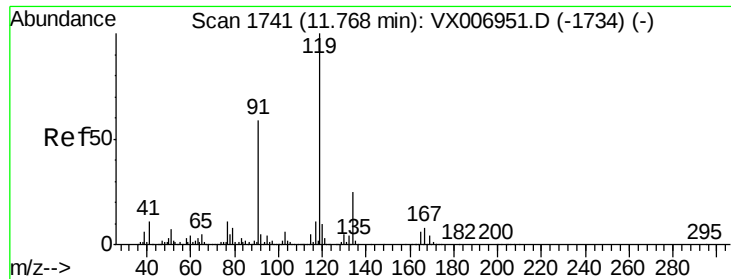
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#82
4-Chlorotoluene
Concen: 19.882 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.3	48.9





#83

tert-Butylbenzene

Concen: 19.684 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion:119 Resp: 427725

Ion Ratio Lower Upper

119 100

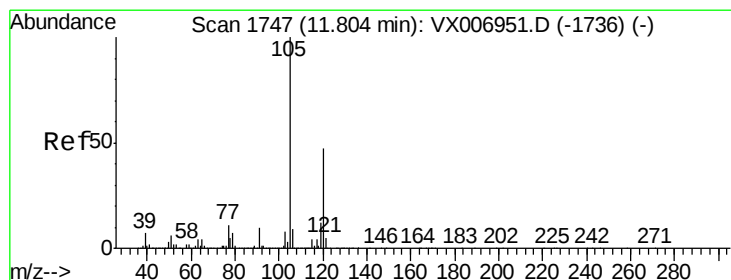
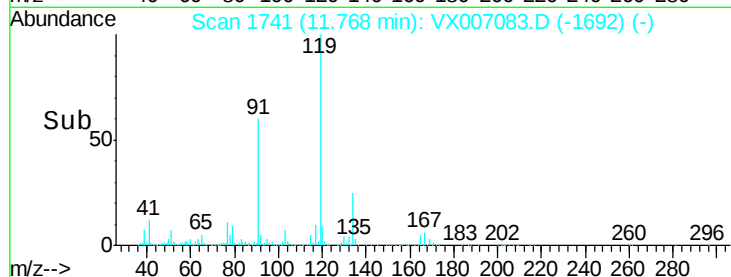
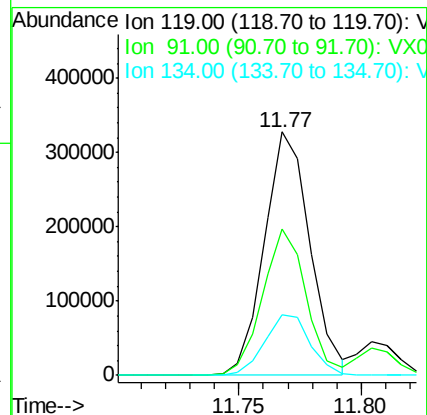
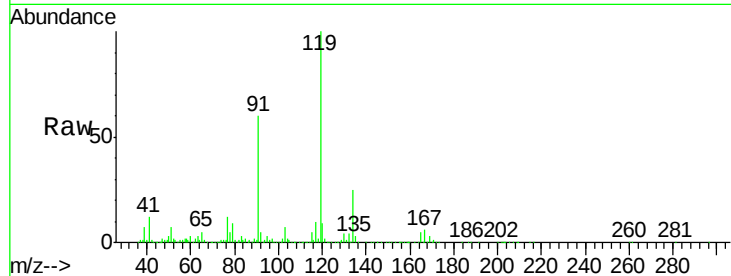
91 57.4 27.7 83.1

134 25.1 11.9 35.5

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#84

1,2,4-Trimethylbenzene

Concen: 20.238 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007083.D

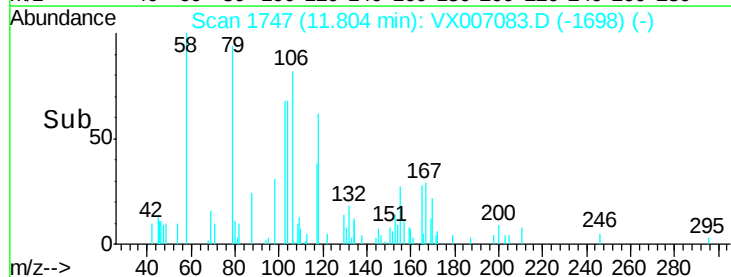
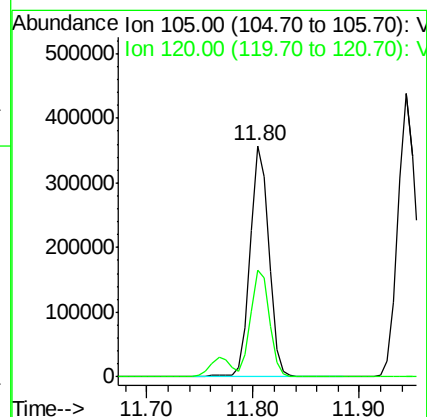
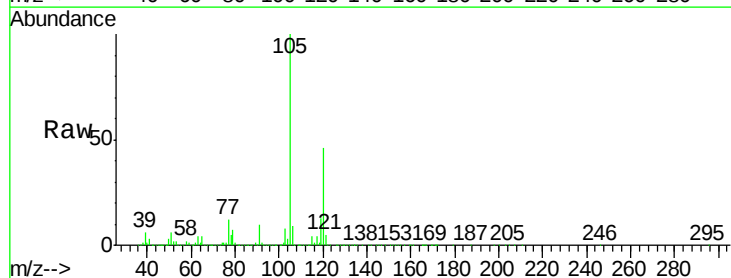
Acq: 17 Jan 2019 12:43

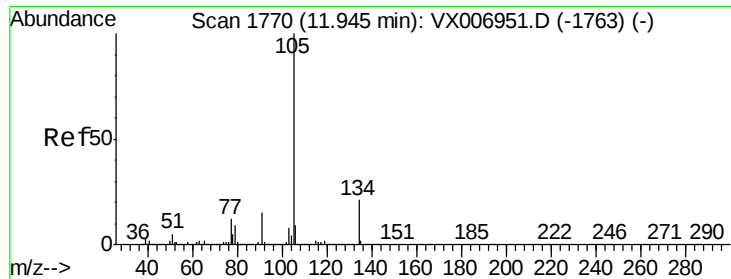
Tgt Ion:105 Resp: 443231

Ion Ratio Lower Upper

105 100

120 46.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 20.069 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBS01

Tot Ion:105 Resp: 520798

Ion Ratio Lower Upper

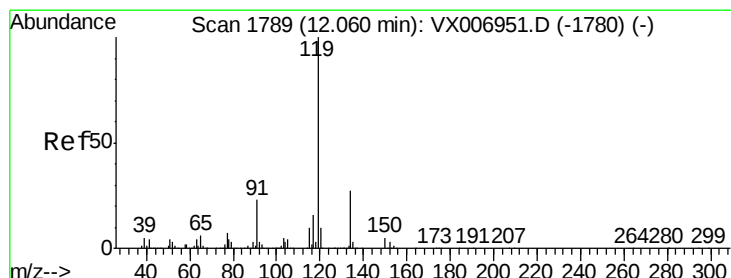
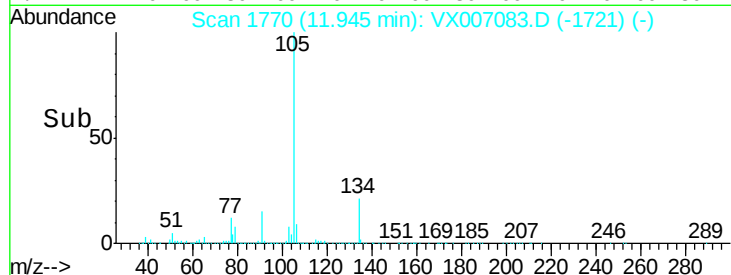
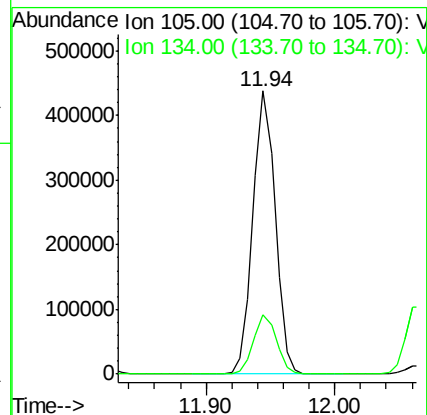
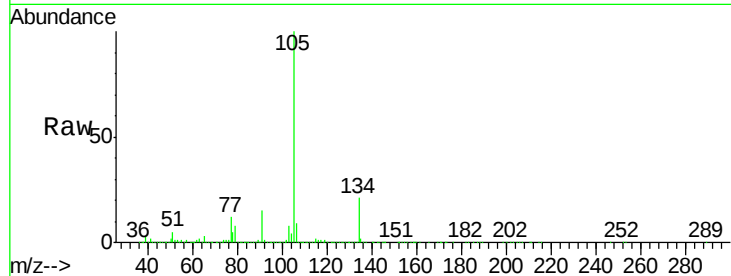
105 100

134 21.6 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 20.096 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

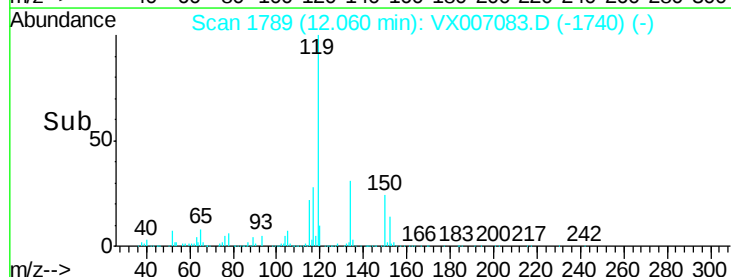
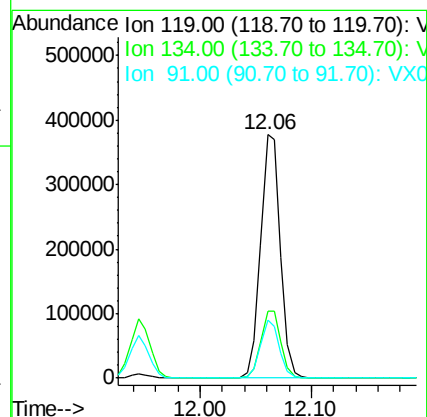
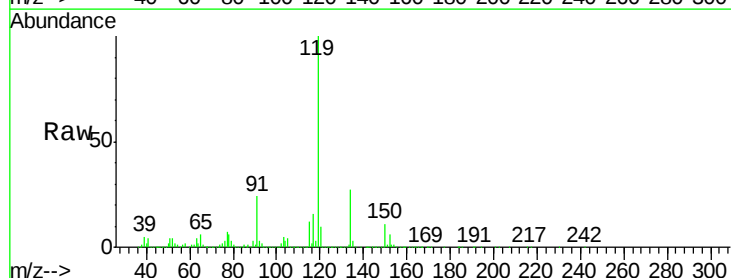
Tgt Ion:119 Resp: 466482

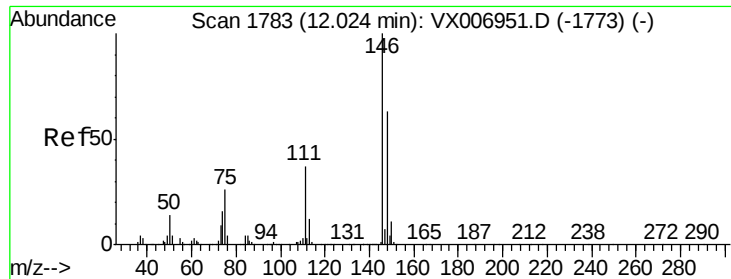
Ion Ratio Lower Upper

119 100

134 27.8 14.0 41.9

91 22.9 11.3 33.9





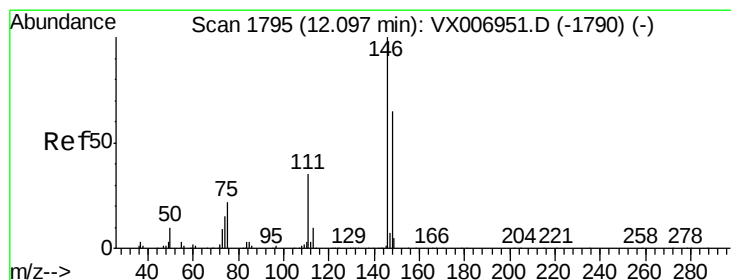
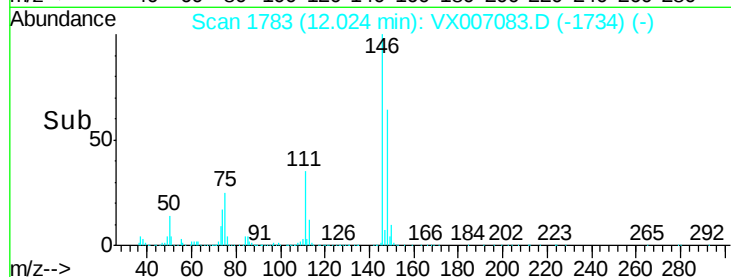
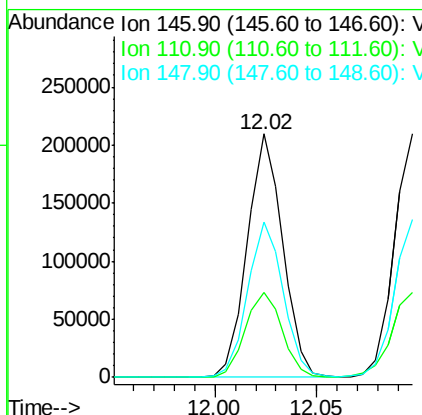
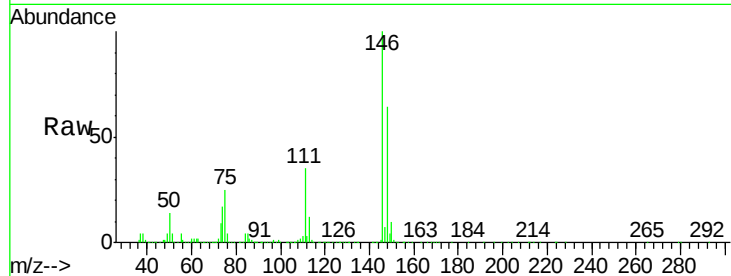
#87
 1,3-Dichlorobenzene
 Concen: 19.505 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007083.D
 Acq: 17 Jan 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0117WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.6	55.8
148	64.2	31.8	95.3

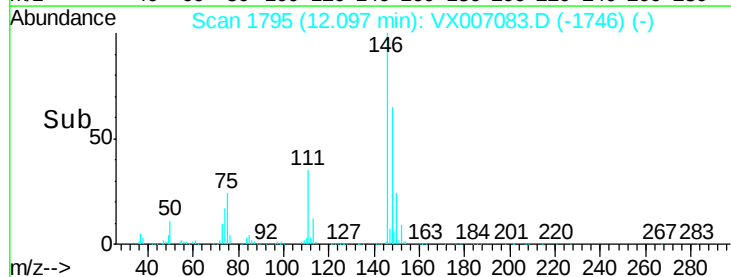
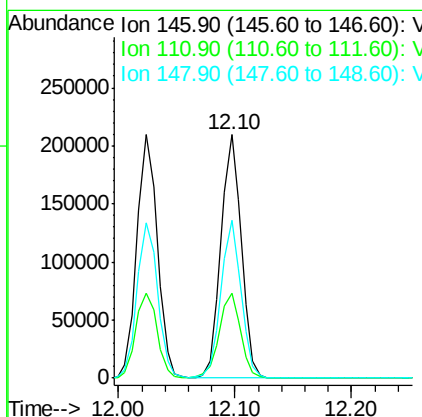
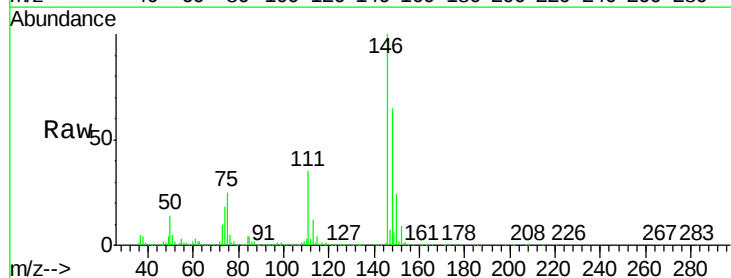
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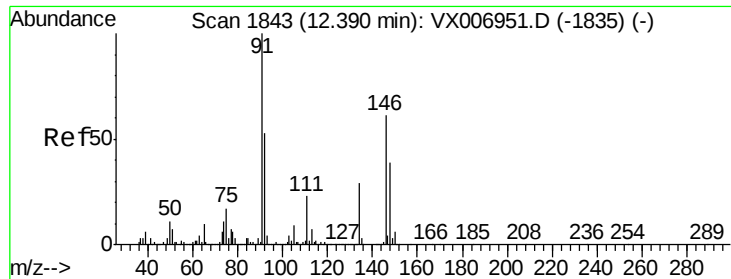
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#88
 1,4-Dichlorobenzene
 Concen: 20.677 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007083.D
 Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	64.2	31.9	95.9





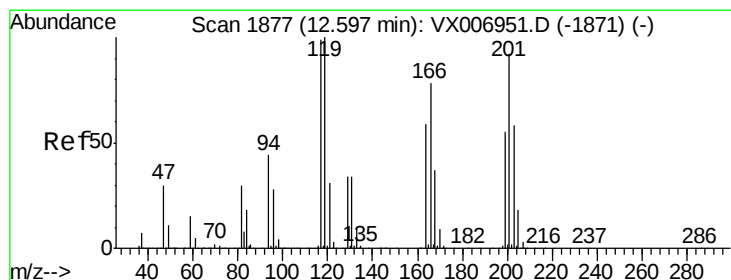
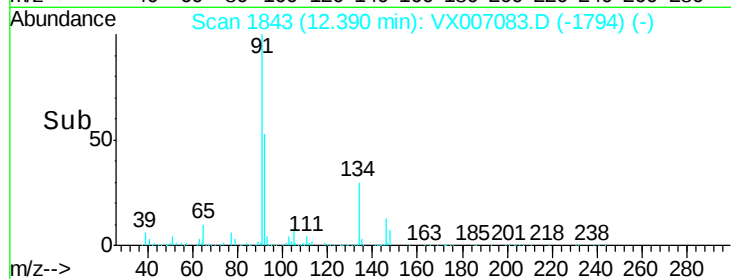
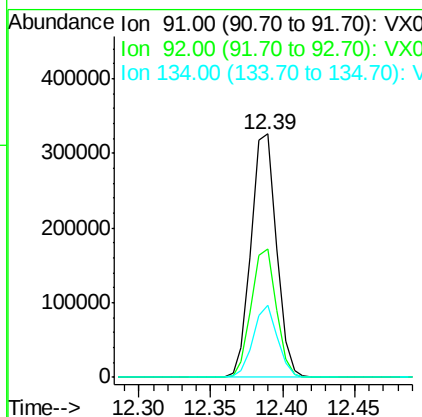
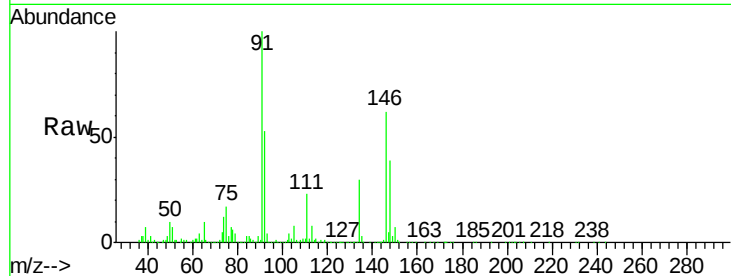
#89
n-Butylbenzene
Concen: 20.019 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0117WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.8	80.4
134	28.3	14.4	43.2

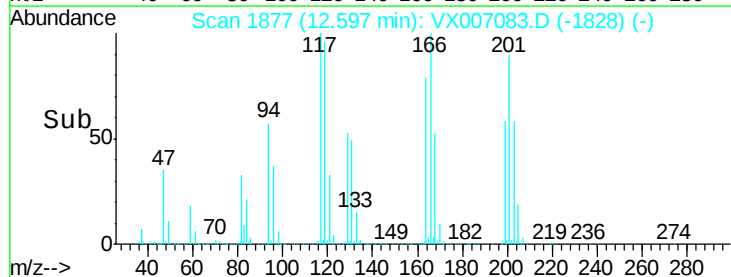
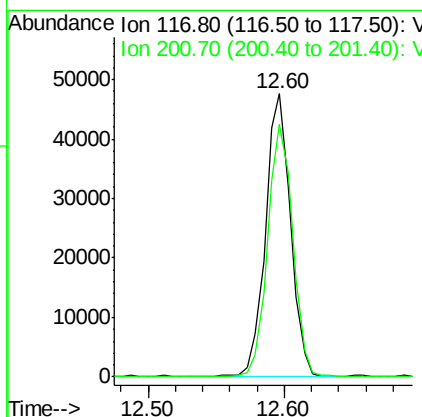
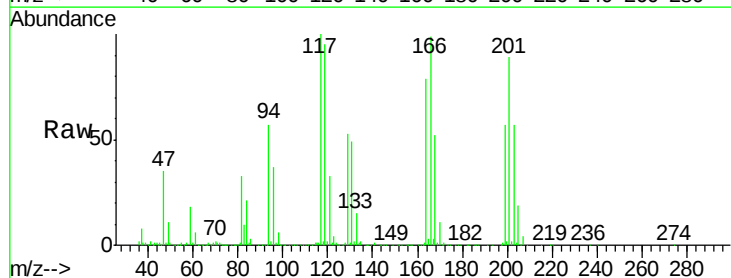
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#90
Hexachloroethane
Concen: 18.609 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007083.D
Acq: 17 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 19.845 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

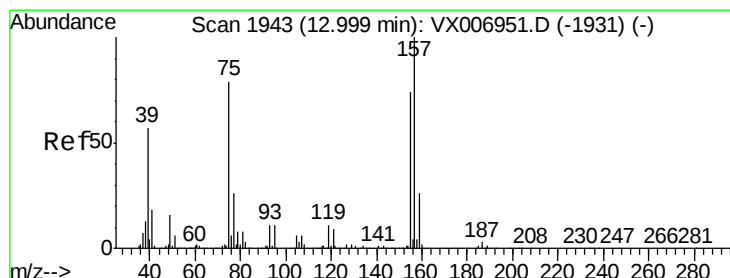
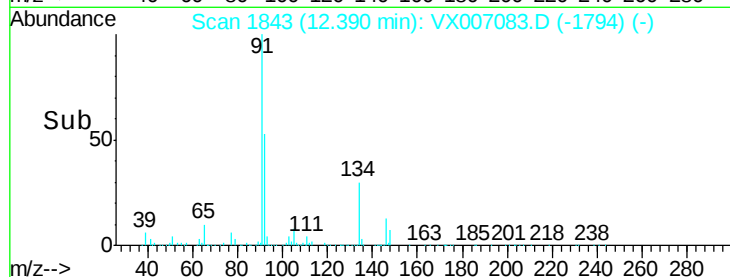
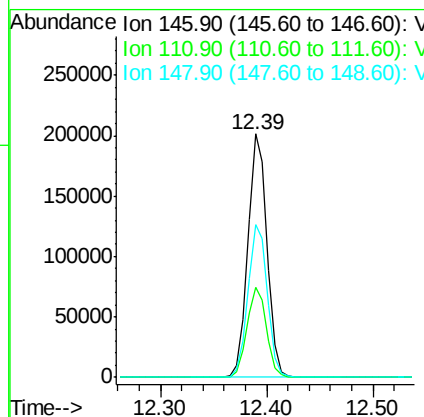
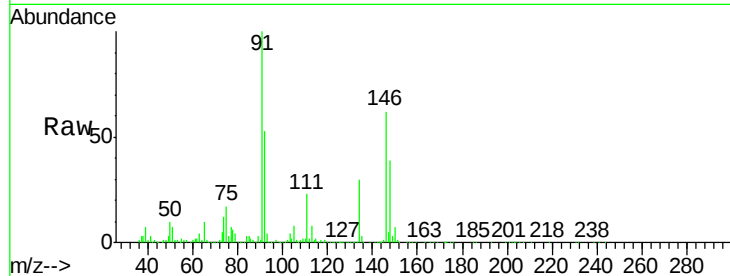
ClientSampleId :

VX0117WBS01

Tot Ion:	146	Resp:	254214
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.4	58.2
148	63.6	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.125 ug/l

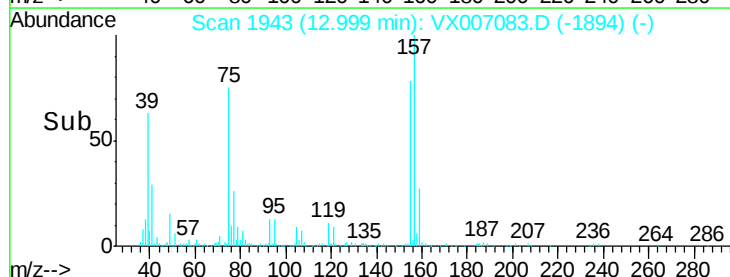
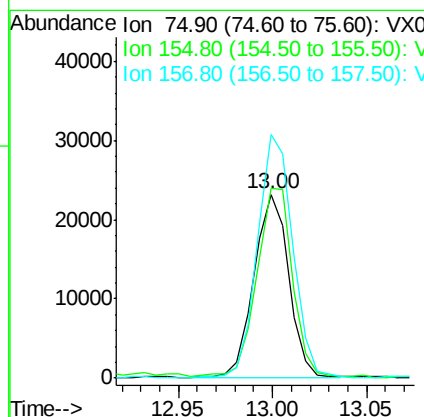
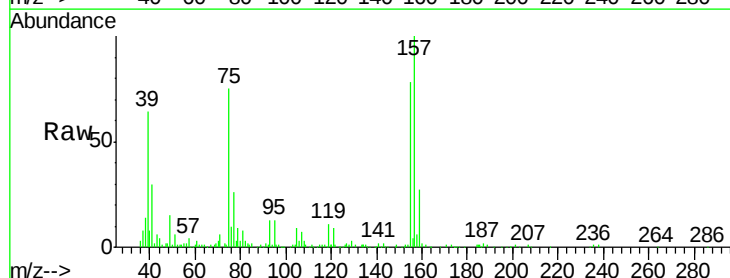
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion:	75	Resp:	29662
Ion Ratio	Lower	Upper	
75	100		
155	106.8	50.6	151.8
157	135.4	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 19.801 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

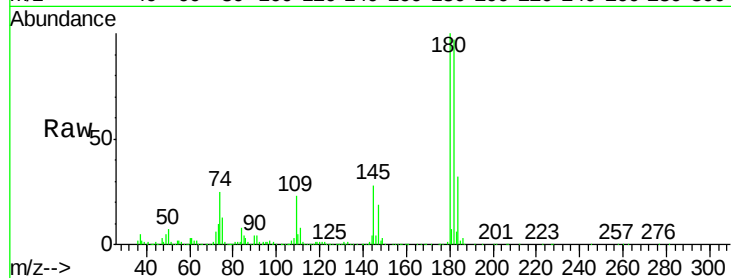
ClientSampleId :

VX0117WBS01

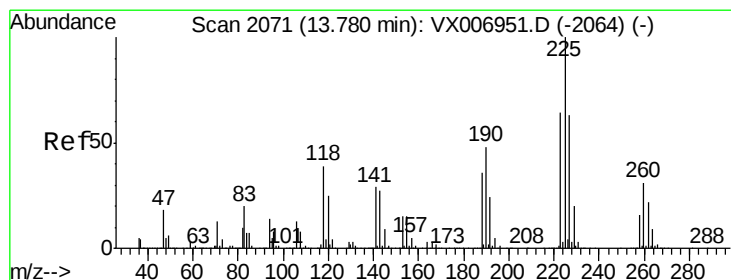
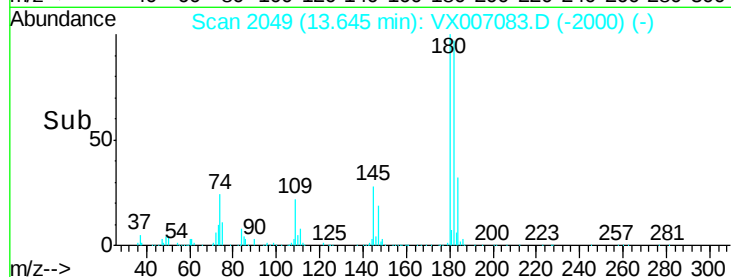
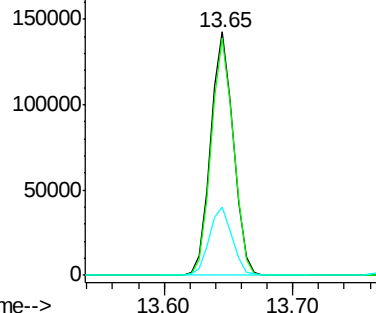
Tot Ion:	180	Resp:	174029
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.3	142.0
145	28.6	14.8	44.3

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:23:34 AM



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



#94

Hexachlorobutadiene

Concen: 20.647 ug/l

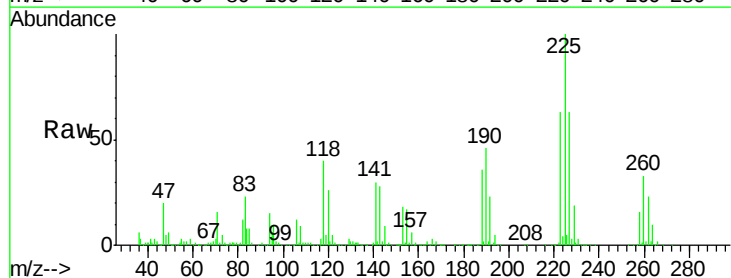
RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

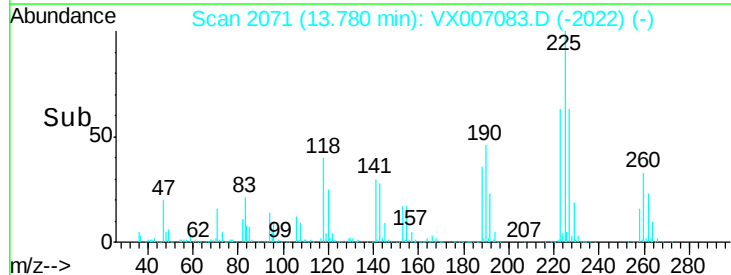
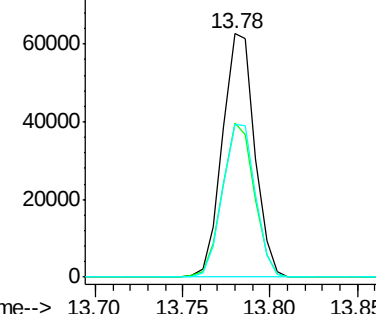
Lab File: VX007083.D

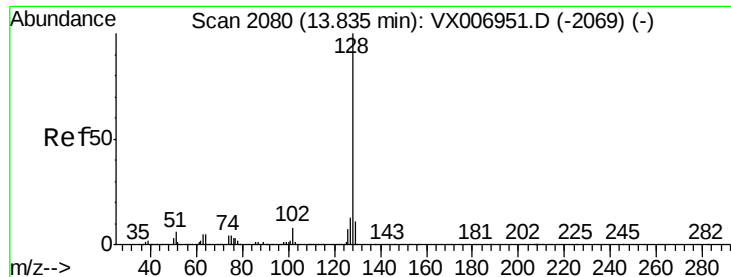
Acq: 17 Jan 2019 12:43

Tgt Ion:	225	Resp:	80527
Ion Ratio	Lower	Upper	
225	100		
223	62.6	32.1	96.3
227	63.3	32.3	96.8



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





#95

Naphthalene

Concen: 20.346 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Instrument :

MSVOA_X

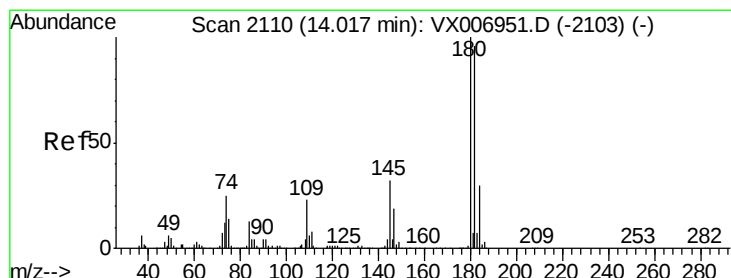
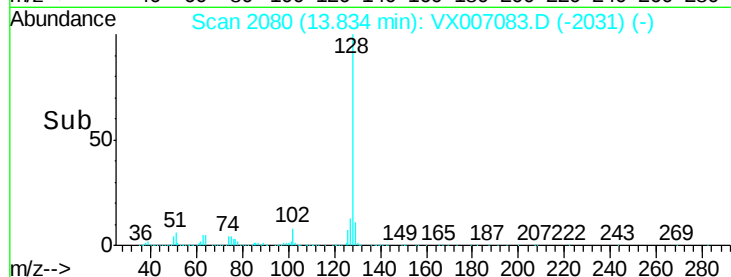
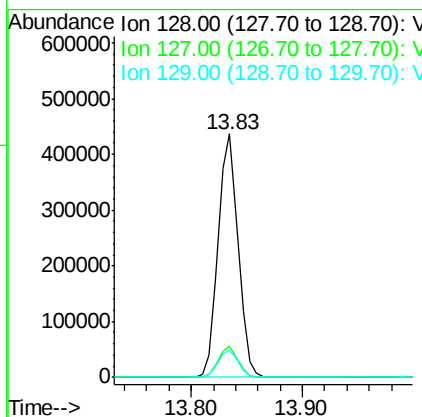
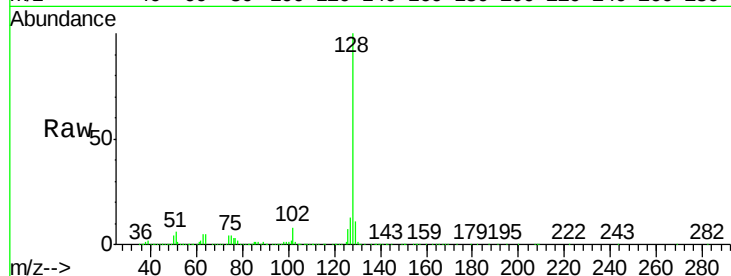
ClientSampleId :

VX0117WBS01

Tot Ion:	128	Resp:	541845
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	11.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:23:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.052 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007083.D

Acq: 17 Jan 2019 12:43

Tgt Ion:	180	Resp:	175066
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.5	145.5
145	31.0	16.0	47.9

