

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012119\
 Data File : VX007157.D
 Acq On : 21 Jan 2019 14:29
 Operator : JC/SP
 Sample : VX0121WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:56:15 AM

Quant Time: Jan 22 00:55:56 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	5.66	168	456814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	677604	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	630516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	331312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	240584	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	5.50	113	214900	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	8.71	98	795410	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	11.13	95	297116	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67458	17.982	ug/l	98
3) Chloromethane	1.33	50	76866	17.601	ug/l	96
4) Vinyl Chloride	1.41	62	81920	17.439	ug/l	96
5) Bromomethane	1.64	94	84687	16.873	ug/l	96
6) Chloroethane	1.72	64	52452	15.991	ug/l	99
7) Trichlorofluoromethane	1.93	101	131939	17.383	ug/l	94
8) Diethyl Ether	2.19	74	52022	17.227	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	80829	17.787	ug/l	99
10) Methyl Iodide	2.51	142	102289	16.687	ug/l	98
11) Tert butyl alcohol	3.07	59	98593	87.547	ug/l	100
12) 1,1-Dichloroethene	2.38	96	71956	17.139	ug/l	93
13) Acrolein	2.29	56	57501	120.011	ug/l	100
14) Allyl chloride	2.73	41	122850	17.073	ug/l	99
15) Acrylonitrile	3.15	53	232162	89.801	ug/l	99
16) Acetone	2.45	43	213420	90.426	ug/l	100
17) Carbon Disulfide	2.57	76	148241	13.714	ug/l	99
18) Methyl Acetate	2.78	43	127201	18.611	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	257453	17.667	ug/l	98
20) Methylene Chloride	2.85	84	85198	18.624	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	76544	16.360	ug/l	99
22) Diisopropyl ether	3.87	45	244900	18.104	ug/l	99
23) Vinyl Acetate	3.82	43	970154	85.043	ug/l	100
24) 1,1-Dichloroethane	3.70	63	134402	17.769	ug/l	98
25) 2-Butanone	4.70	43	302590	89.602	ug/l	99
26) 2,2-Dichloropropane	4.59	77	97023	16.681	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	88815	17.210	ug/l	99
28) Bromochloromethane	5.01	49	66023	19.922	ug/l	95
29) Tetrahydrofuran	5.15	42	192305	87.624	ug/l	97
30) Chloroform	5.21	83	142300	17.969	ug/l	98
31) Cyclohexane	5.57	56	111719	16.595	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	117552	17.512	ug/l	98
36) 1,1-Dichloropropene	5.81	75	99184	16.836	ug/l	97
37) Ethyl Acetate	4.85	43	113248	17.931	ug/l	99
38) Carbon Tetrachloride	5.79	117	100395	16.938	ug/l	93

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	121881	16.228	ug/l	97
40) Benzene	6.14	78	309732	17.230	ug/l	100
41) Methacrylonitrile	5.06	41	60695	16.681	ug/l	97
42) 1,2-Dichloroethane	6.20	62	109747	17.668	ug/l	100
43) Isopropyl Acetate	6.46	43	170136	17.078	ug/l	99
44) Trichloroethene	7.21	130	89752	16.662	ug/l	98
45) 1,2-Dichloropropane	7.51	63	78565	17.385	ug/l	98
46) Dibromomethane	7.66	93	56669	17.842	ug/l	100
47) Bromodichloromethane	7.90	83	93797	17.350	ug/l	97
48) Methyl methacrylate	7.77	41	88601	17.318	ug/l	97
49) 1,4-Dioxane	7.75	88	43527	367.116	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	605118	94.513	ug/l	99
52) Toluene	8.78	92	203017	17.572	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	98987	16.512	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	113172	17.095	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	86597	18.726	ug/l	96
56) Ethyl methacrylate	9.18	69	120985	17.921	ug/l	93
57) 1,3-Dichloropropane	9.37	76	138035	18.219	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	336108	96.828	ug/l	100
59) 2-Hexanone	9.49	43	461339	94.555	ug/l	97
60) Dibromochloromethane	9.59	129	79782	17.767	ug/l	99
61) 1,2-Dibromoethane	9.67	107	90933	17.861	ug/l	99
64) Tetrachloroethene	9.34	164	97118	17.791	ug/l	94
65) Chlorobenzene	10.14	112	239657	17.427	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	82240	17.777	ug/l	99
67) Ethyl Benzene	10.25	91	391410	17.241	ug/l	100
68) m/p-Xylenes	10.36	106	310895	34.758	ug/l	100
69) o-Xylene	10.69	106	153781	17.629	ug/l	98
70) Styrene	10.71	104	246918	17.872	ug/l	99
71) Bromoform	10.86	173	58210	17.462	ug/l #	98
73) Isopropylbenzene	11.02	105	406313	17.392	ug/l	99
74) N-amyl acetate	10.90	43	156638	16.653	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	127873	17.241	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	119207m	17.755	ug/l	
77) Bromobenzene	11.26	156	111820	17.371	ug/l	100
78) n-propylbenzene	11.36	91	450059	17.548	ug/l	100
79) 2-Chlorotoluene	11.42	91	272240	17.634	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	338026	17.316	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	29209	15.919	ug/l	89
82) 4-Chlorotoluene	11.51	91	314900	17.617	ug/l	100
83) tert-Butylbenzene	11.77	119	331919	17.042	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	345768	17.614	ug/l	100
85) sec-Butylbenzene	11.94	105	408813	17.576	ug/l	100
86) p-Isopropyltoluene	12.06	119	367912	17.683	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	199219	17.122	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	199665	18.204	ug/l	99
89) n-Butylbenzene	12.38	91	303204	17.095	ug/l	98
90) Hexachloroethane	12.60	117	50091	17.112	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	198854	17.319	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	25312	17.256	ug/l	97

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Instrument :
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ClientSampleId :
VX0121WBSD01

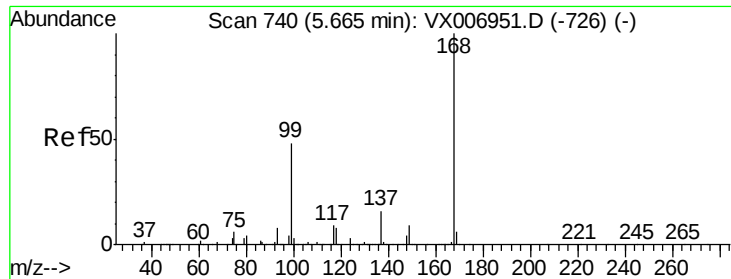
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	133606	16.960	ug/l	98
94) Hexachlorobutadiene	13.78	225	64826	18.544	ug/l	96
95) Naphthalene	13.83	128	407830	17.085	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	134843	17.231	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion:168 Resp: 456814

Ion Ratio Lower Upper

168 100

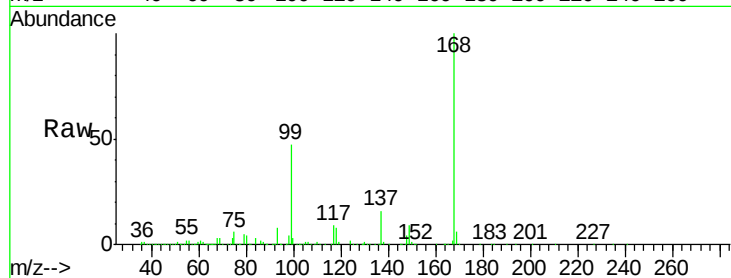
99 47.1 41.8 62.8

Manual Integrations

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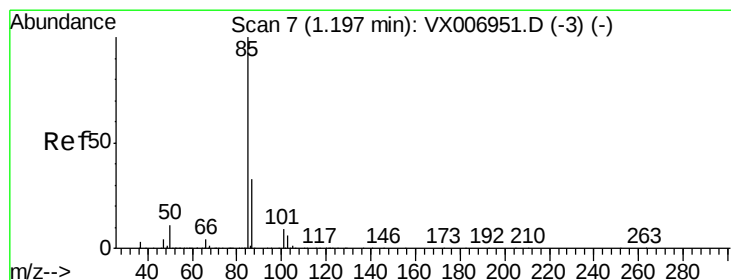
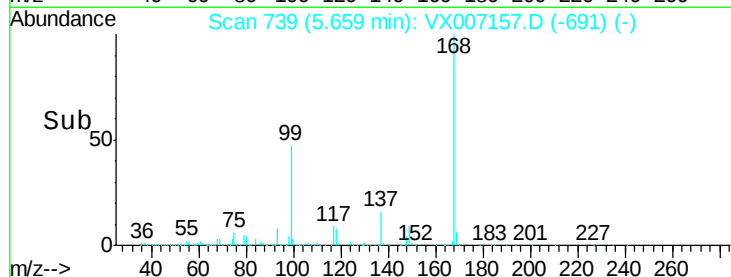
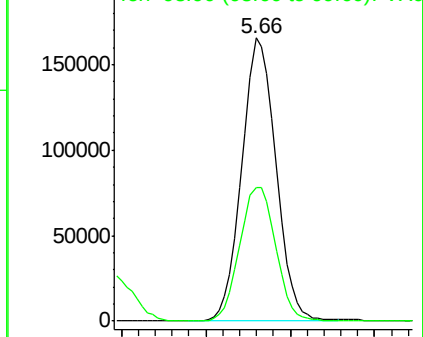
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.982 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007157.D

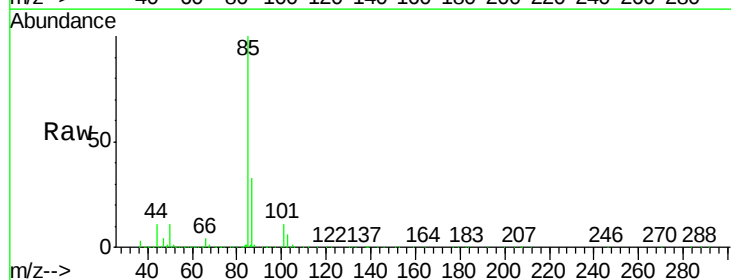
Acq: 21 Jan 2019 14:29

Tgt Ion: 85 Resp: 67458

Ion Ratio Lower Upper

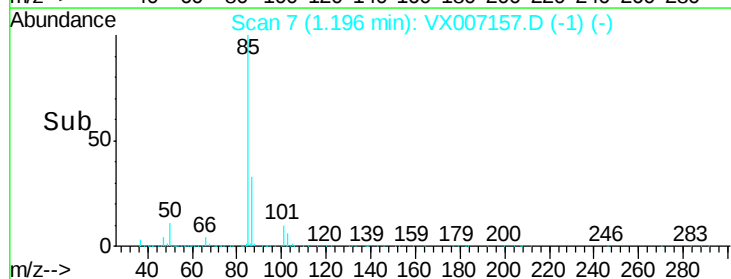
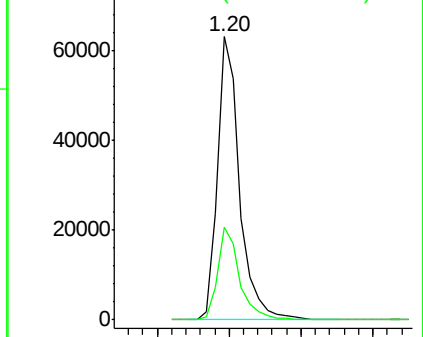
85 100

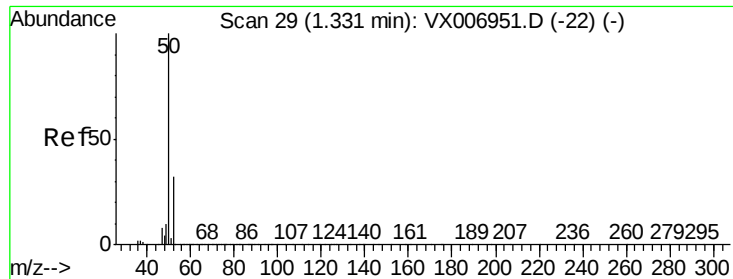
87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.601 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion: 50 Resp: 76866

Ion Ratio Lower Upper

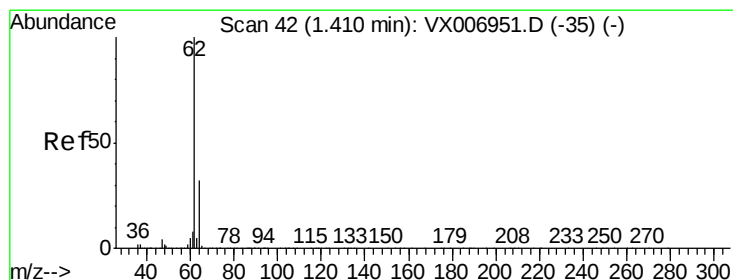
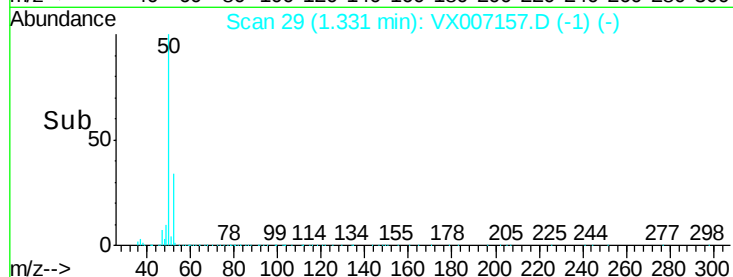
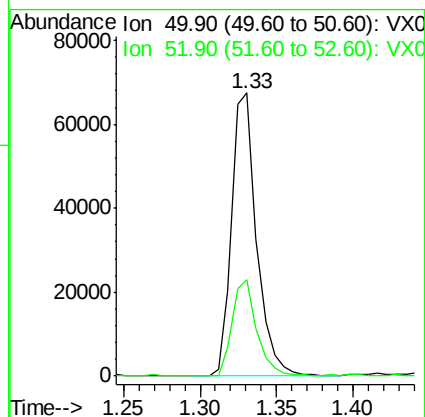
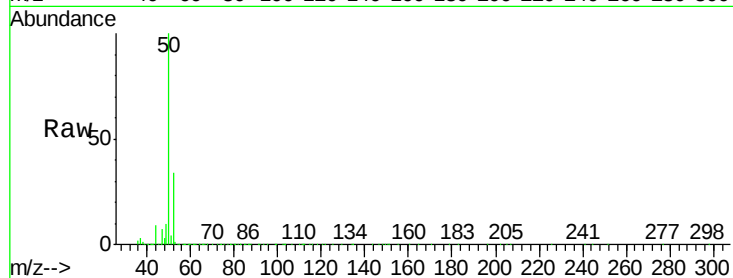
50 100

52 33.8 25.4 38.2

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#4

Vinyl Chloride

Concen: 17.439 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007157.D

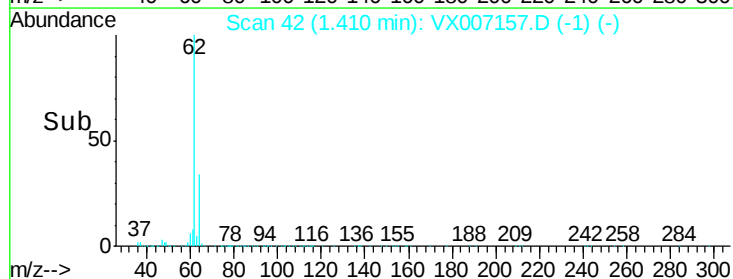
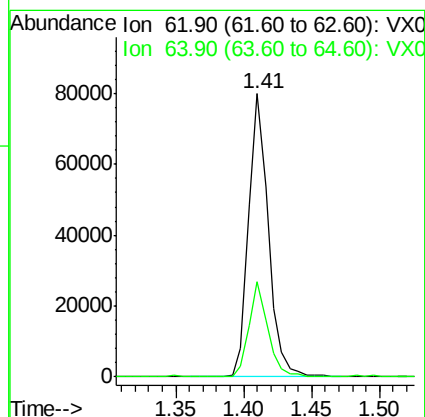
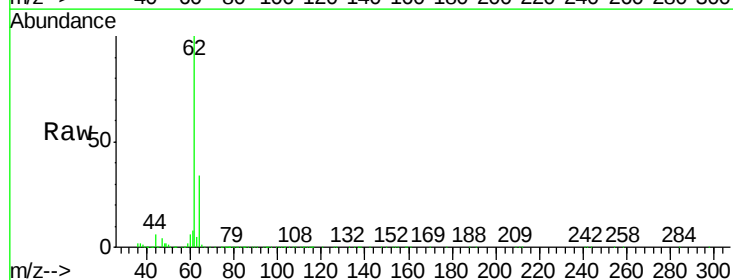
Acq: 21 Jan 2019 14:29

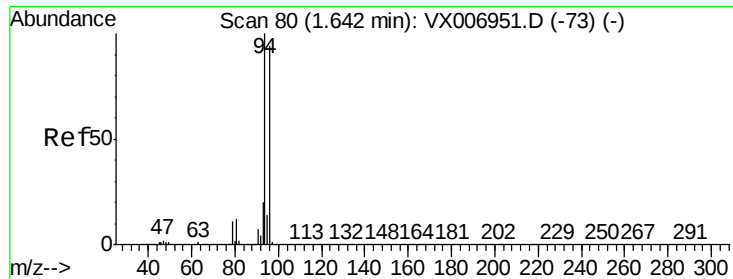
Tgt Ion: 62 Resp: 81920

Ion Ratio Lower Upper

62 100

64 33.6 25.1 37.7





#5

Bromomethane

Concen: 16.873 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion: 94 Resp: 84687

Ion Ratio Lower Upper

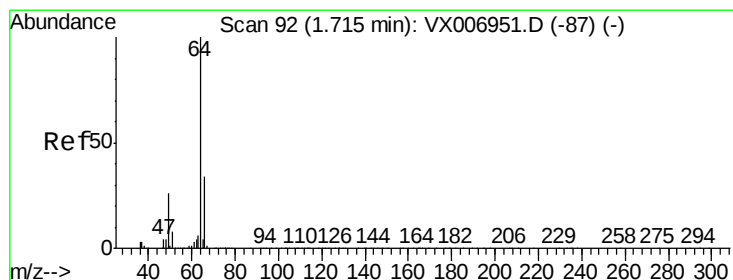
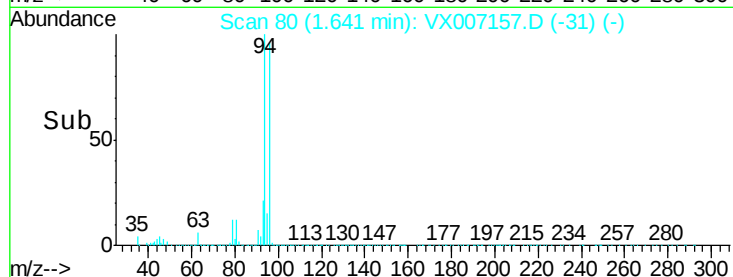
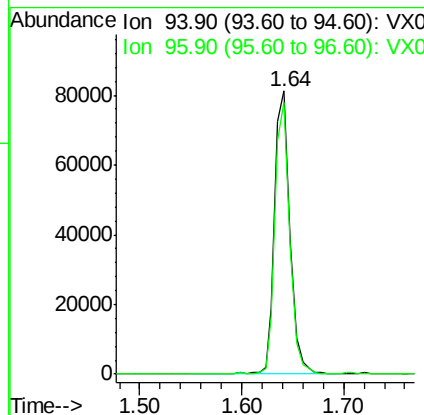
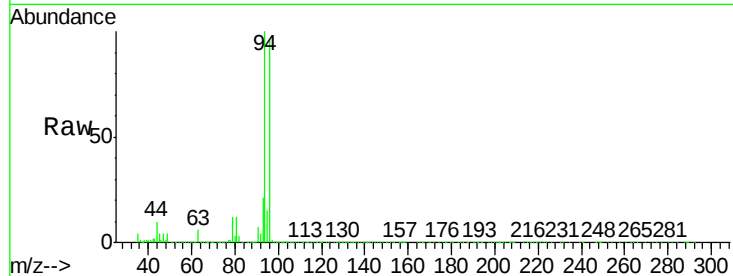
94 100

96 96.0 73.4 110.2

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1/22/2019 10:56:15 AM



#6

Chloroethane

Concen: 15.991 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007157.D

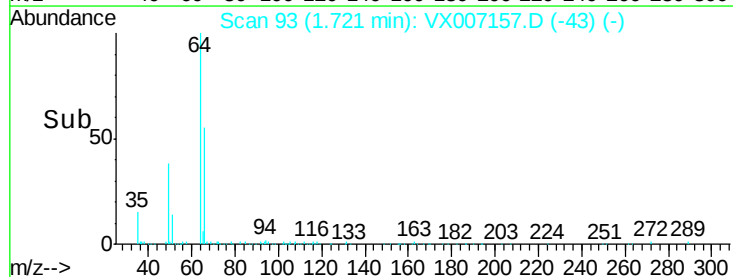
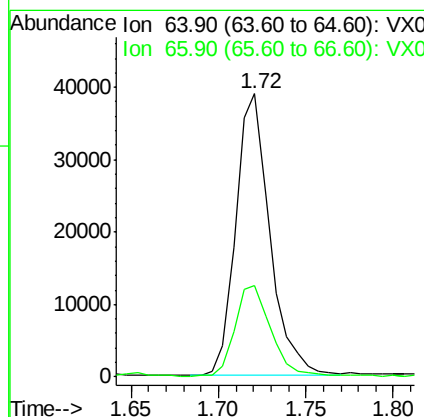
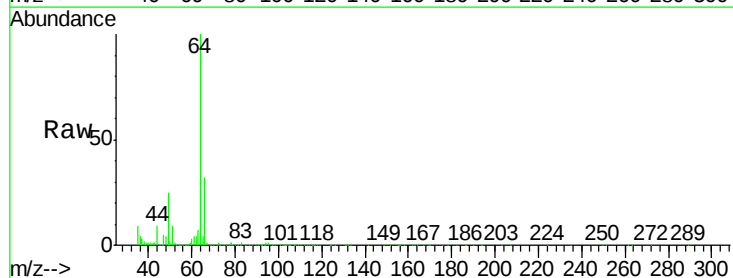
Acq: 21 Jan 2019 14:29

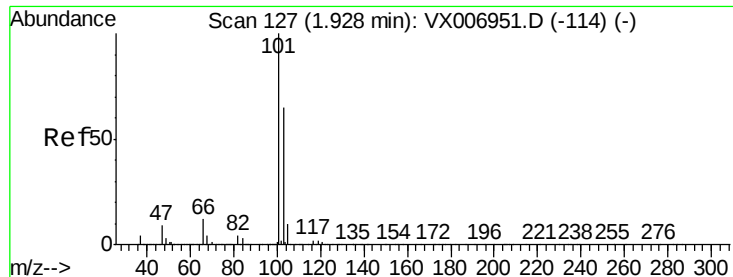
Tgt Ion: 64 Resp: 52452

Ion Ratio Lower Upper

64 100

66 32.5 26.4 39.6





#7

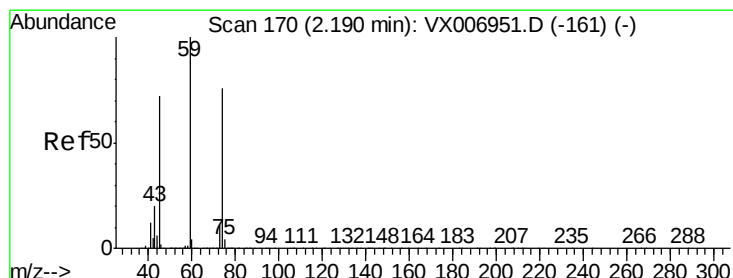
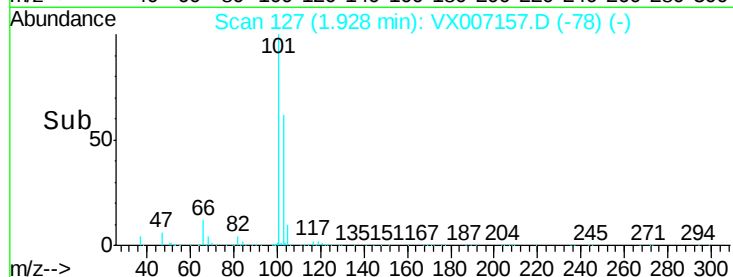
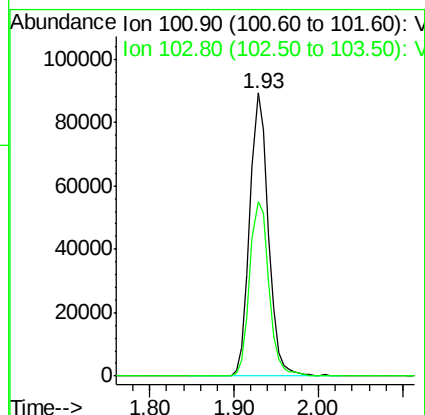
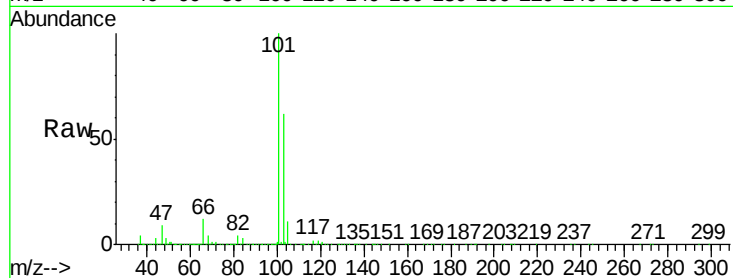
Trichlorofluoromethane
Concen: 17.383 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

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ClientSampleId :
VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	53.2	79.8

Manual Integrations
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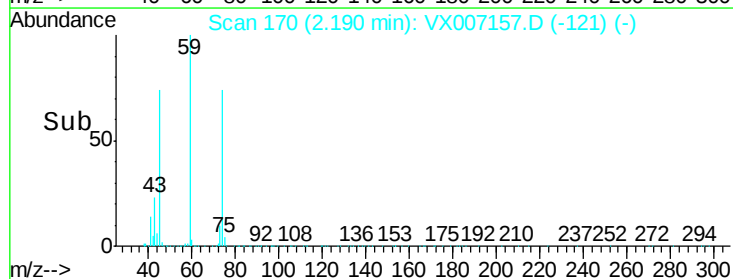
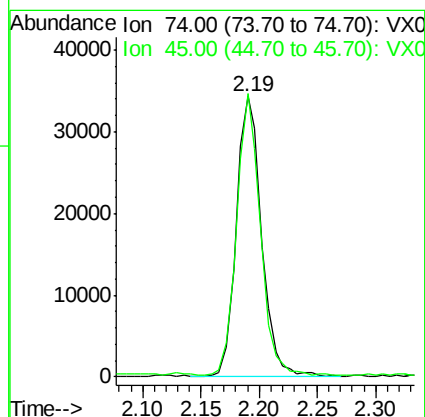
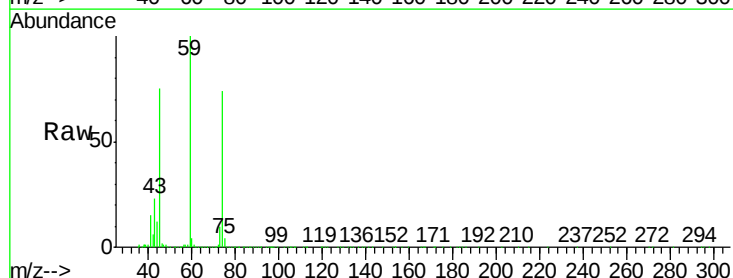
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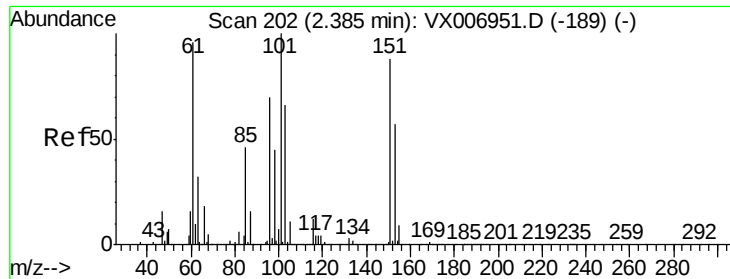


#8

Diethyl Ether
Concen: 17.227 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.787 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

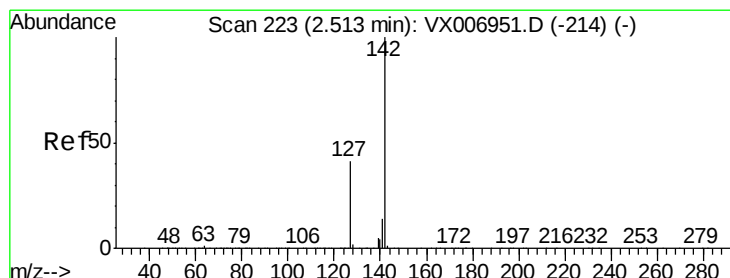
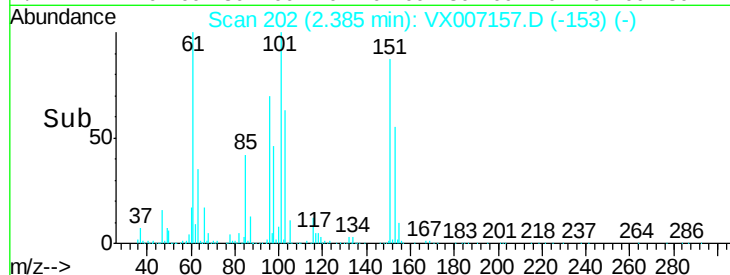
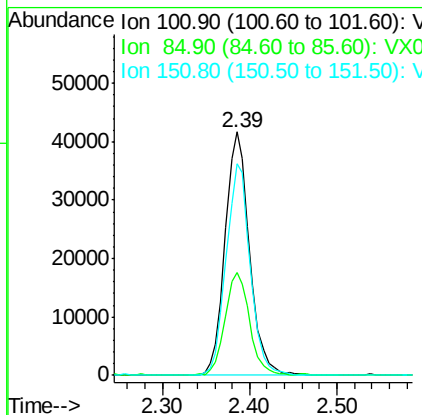
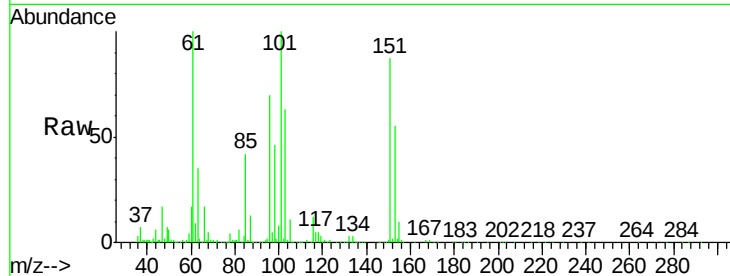
ClientSampleId :

VX0121WBSD01

Tot Ion:	101	Resp:	80829
Ion Ratio	Lower	Upper	
101	100		
85	42.2	35.1	52.7
151	85.8	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 16.687 ug/l

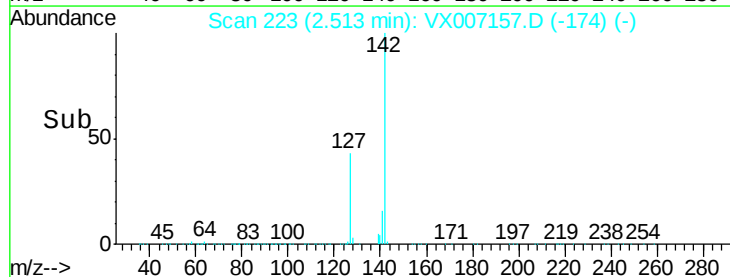
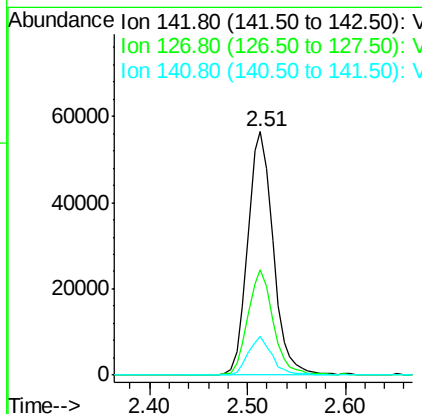
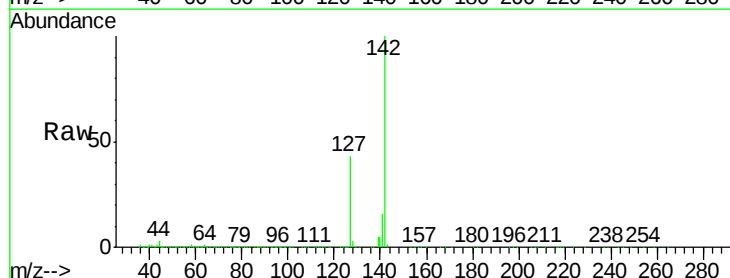
RT: 2.51 min Scan# 223

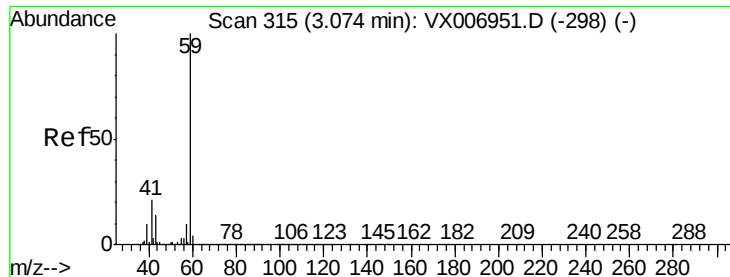
Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Tgt Ion:	142	Resp:	102289
Ion Ratio	Lower	Upper	
142	100		
127	43.5	33.9	50.9
141	15.0	11.4	17.0





#11

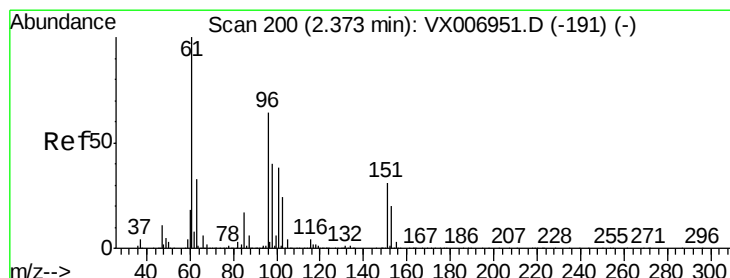
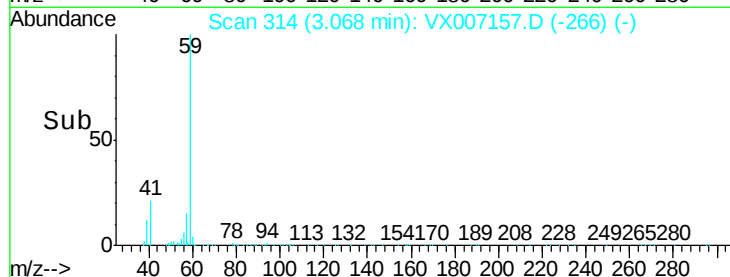
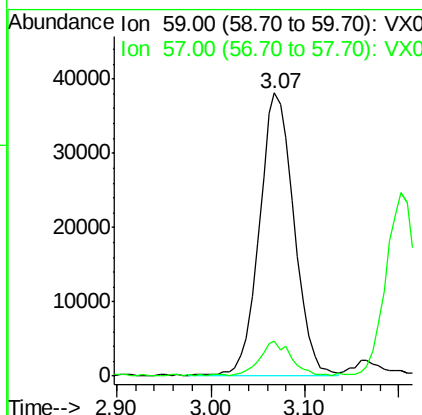
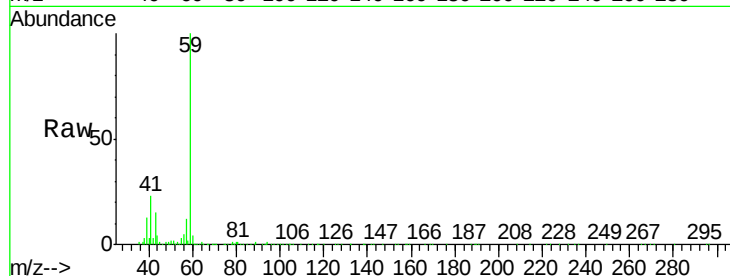
Tert butyl alcohol
Concen: 87.547 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
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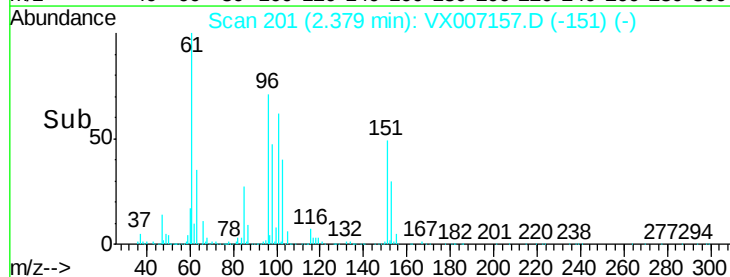
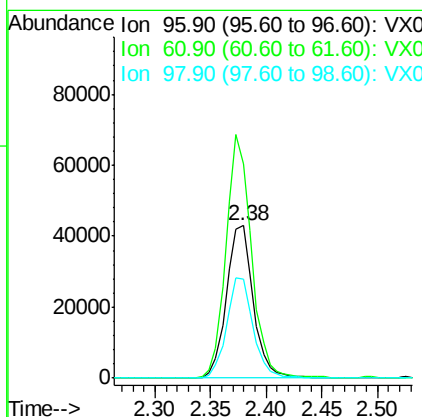
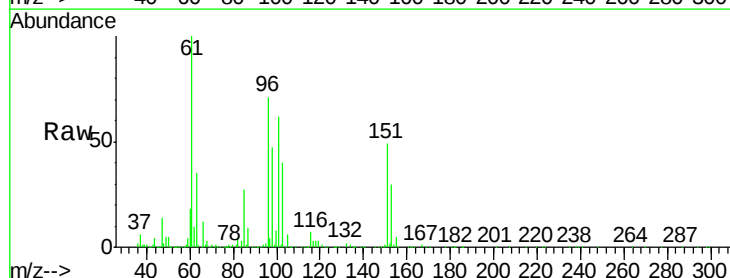
MMDadoda
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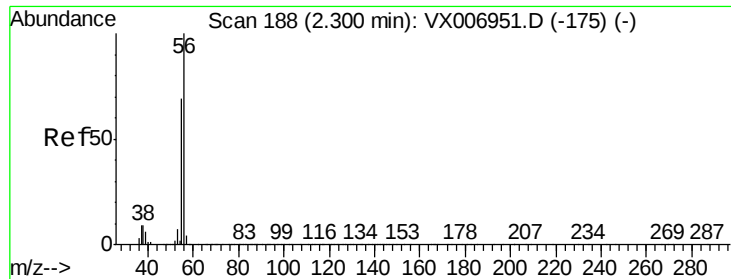


#12

1,1-Dichloroethene
Concen: 17.139 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	121.4	182.2
98	65.2	51.9	77.9





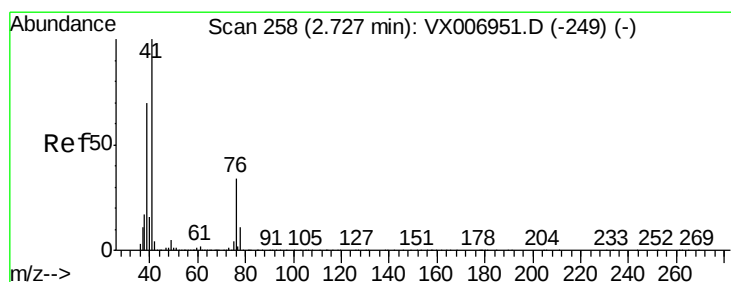
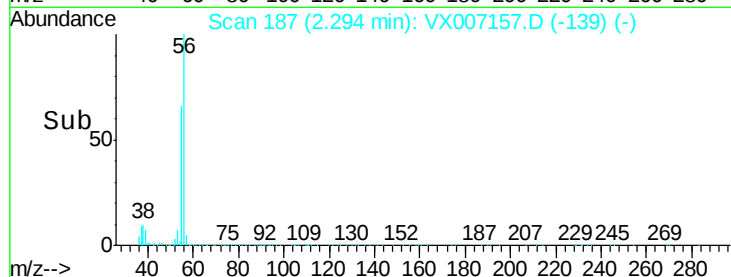
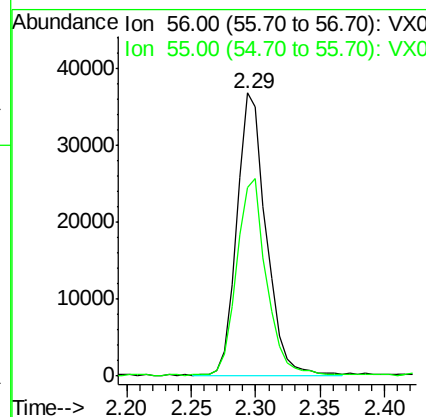
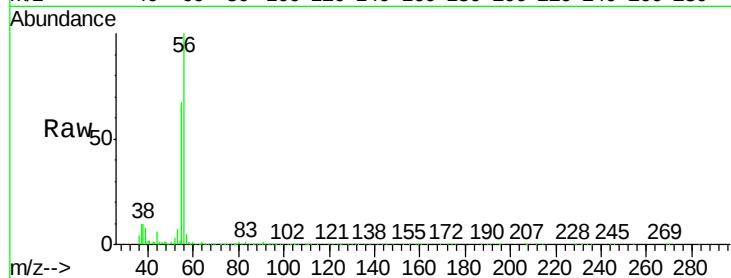
#13
Acrolein
Concen: 120.011 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.8	58.2	87.4

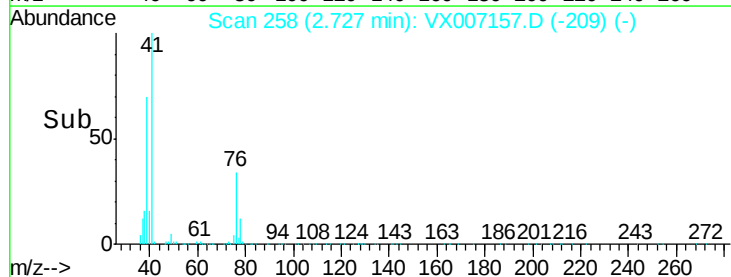
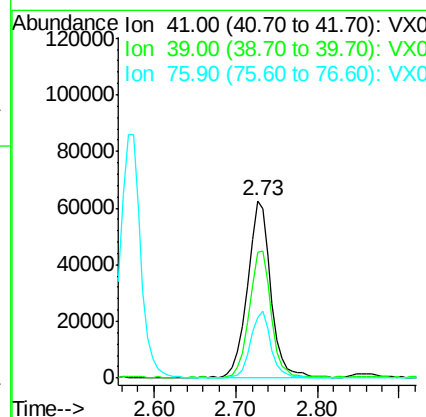
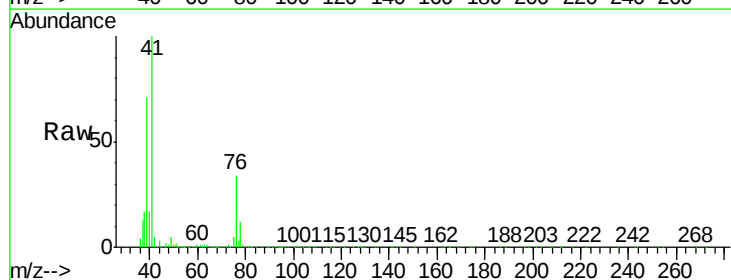
Manual Integrations
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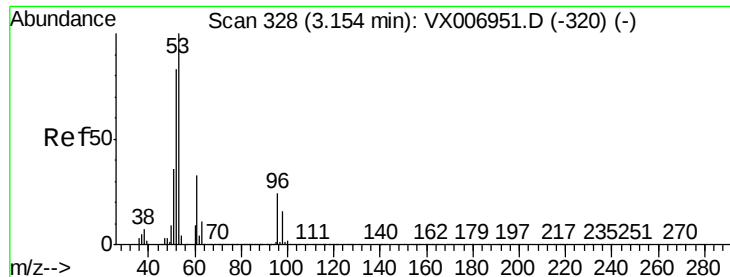
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#14
Allyl chloride
Concen: 17.073 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.6	80.4
76	32.6	27.4	41.2





#15

Acrylonitrile

Concen: 89.801 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

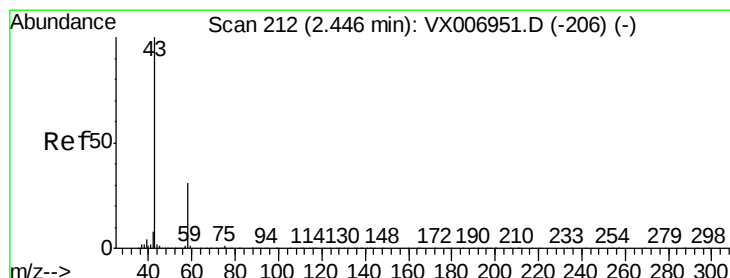
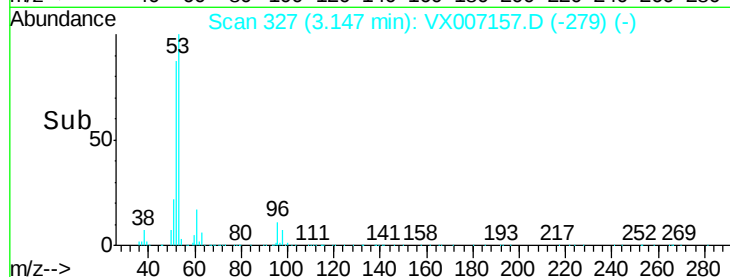
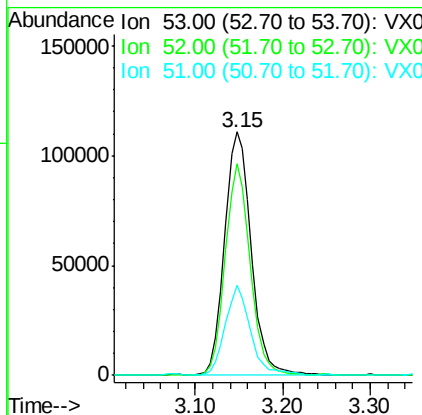
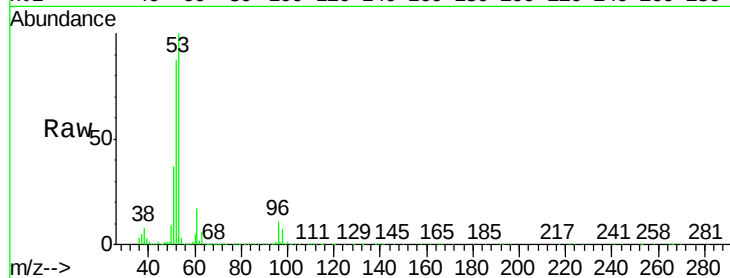
ClientSampleId :

VX0121WBSD01

Tot Ion:	53	Resp:	232162
Ion Ratio		Lower	Upper
53	100		
52	81.9	66.0	99.0
51	35.1	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 90.426 ug/l

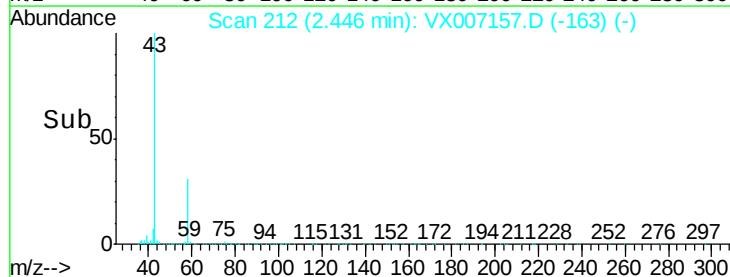
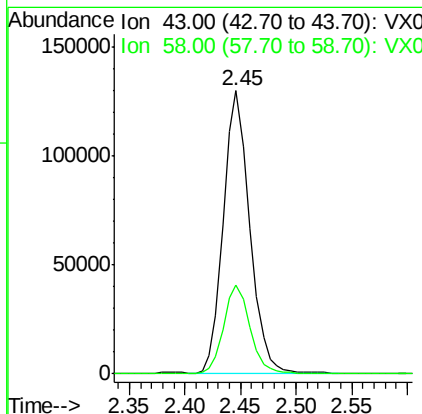
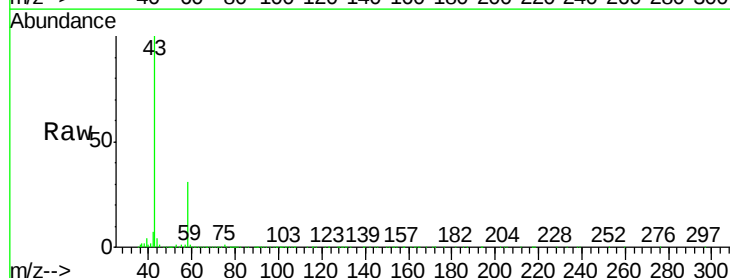
RT: 2.45 min Scan# 212

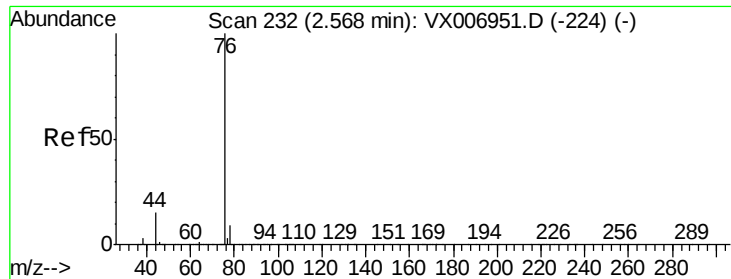
Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Tgt Ion:	43	Resp:	213420
Ion Ratio		Lower	Upper
43	100		
58	31.1	25.0	37.6





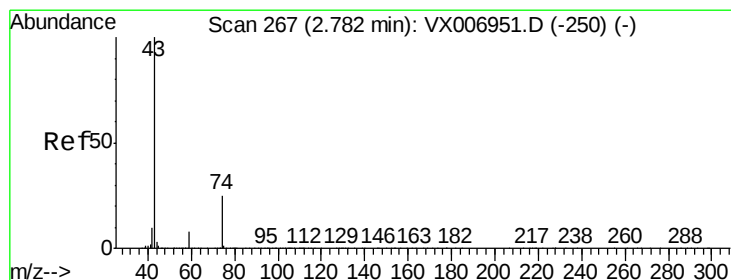
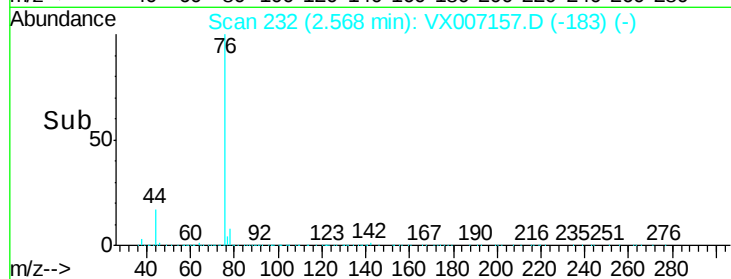
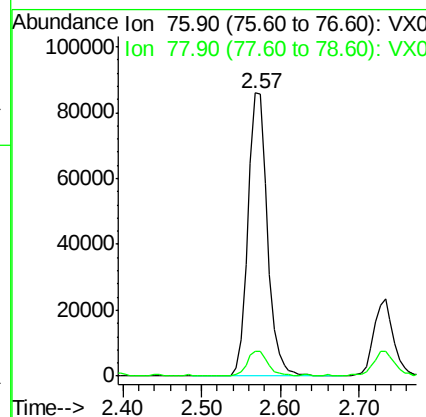
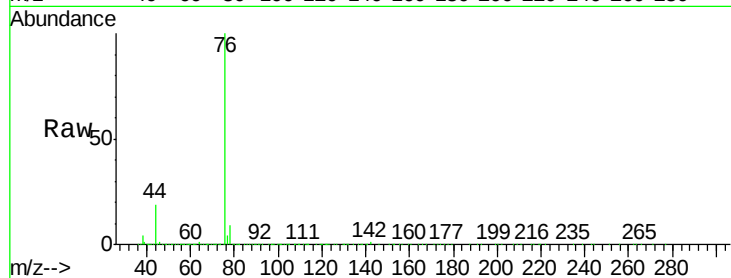
#17
Carbon Disulfide
Concen: 13.714 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.6

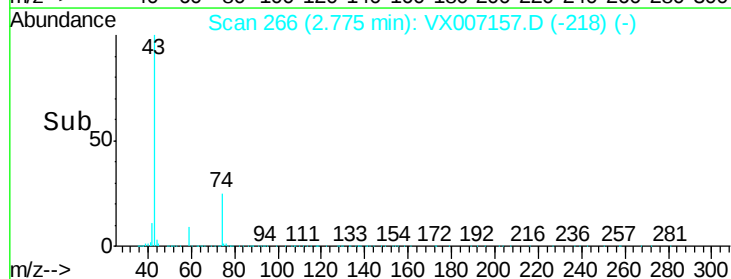
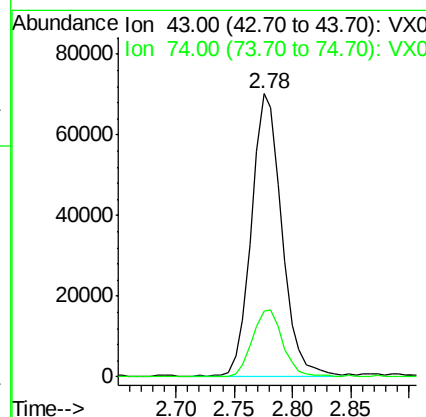
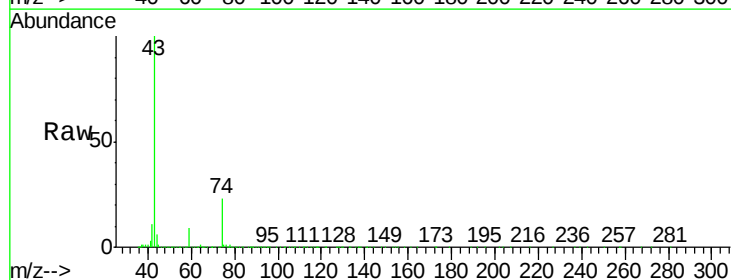
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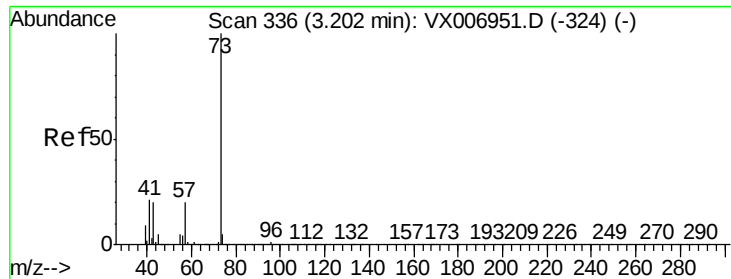
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#18
Methyl Acetate
Concen: 18.611 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.6	28.0





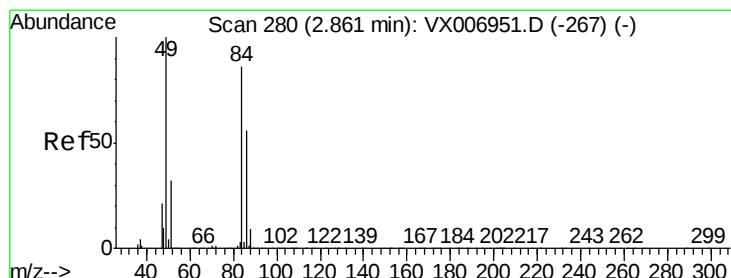
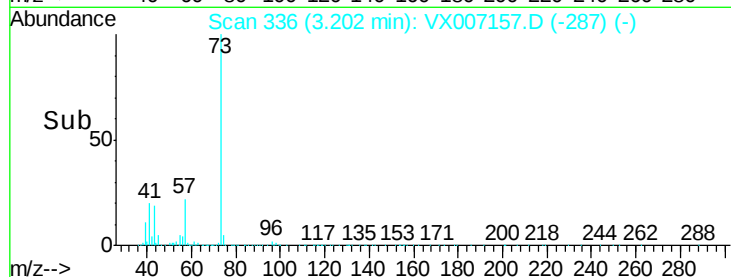
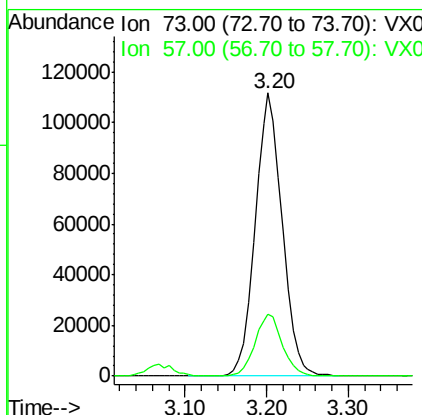
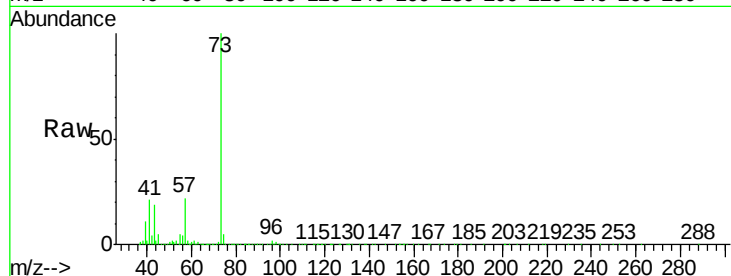
#19
Methvl tert-butvl Ether
Concen: 17.667 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion: 73 Resp: 257453
Ion Ratio Lower Upper
73 100
57 21.9 16.8 25.2

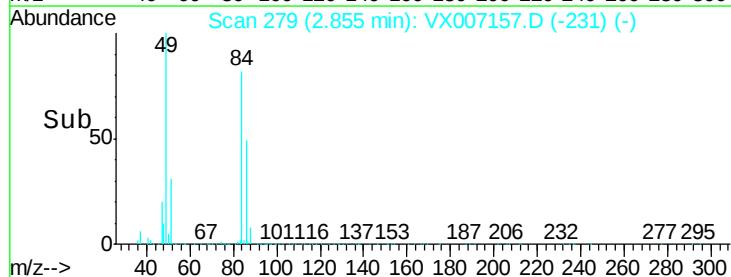
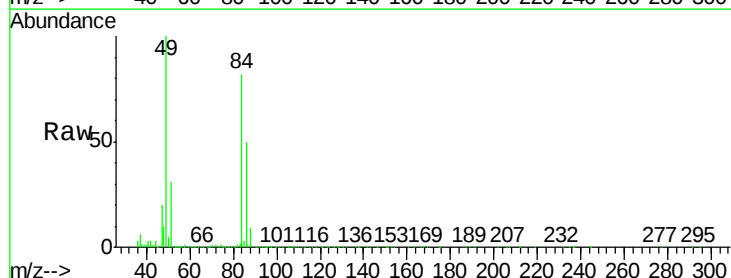
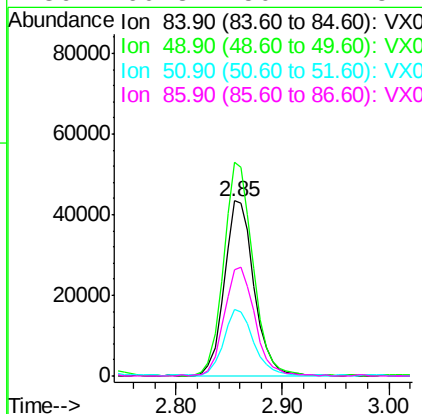
Manual Integrations
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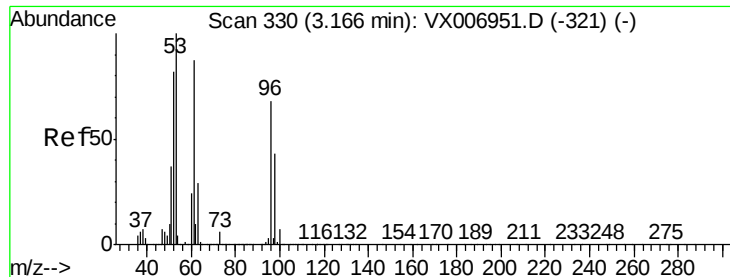
MMDadoda
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#20
Methylene Chloride
Concen: 18.624 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion: 84 Resp: 85198
Ion Ratio Lower Upper
84 100
49 121.8 91.8 137.6
51 37.6 28.5 42.7
86 60.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 16.360 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

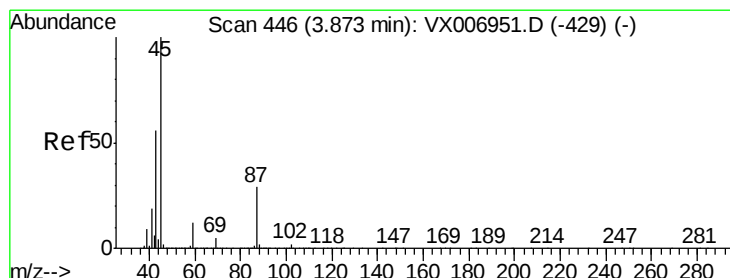
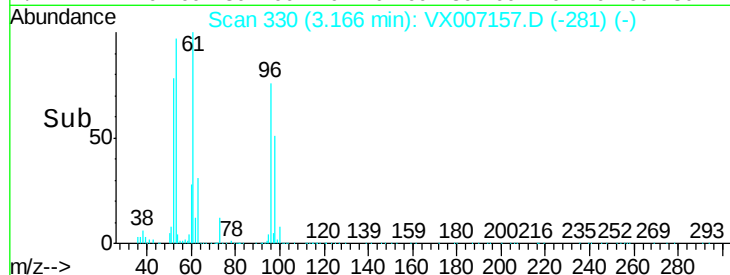
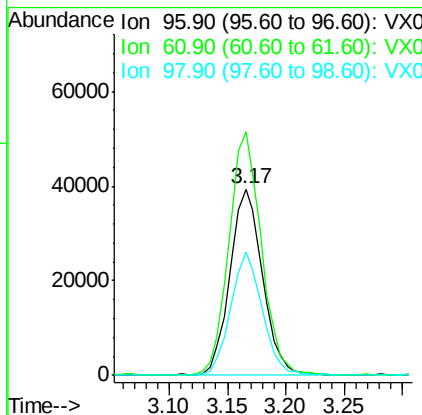
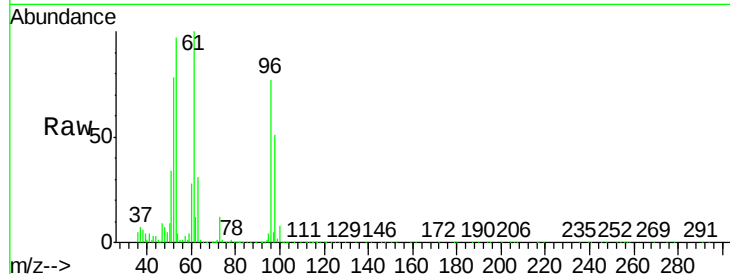
ClientSampleId :

VX0121WBSD01

Tot Ion:	96	Resp:	76544
Ion	Ratio	Lower	Upper
96	100		
61	130.2	103.7	155.5
98	65.7	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.104 ug/l

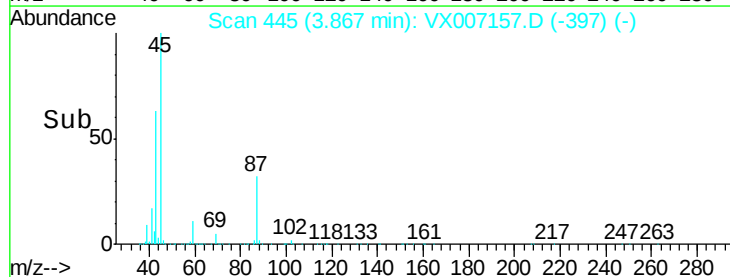
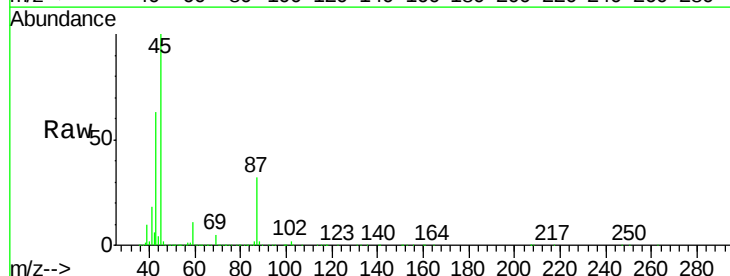
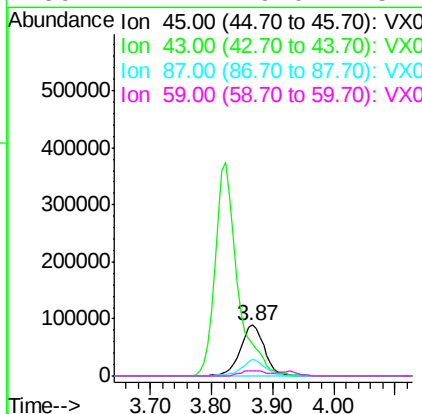
RT: 3.87 min Scan# 445

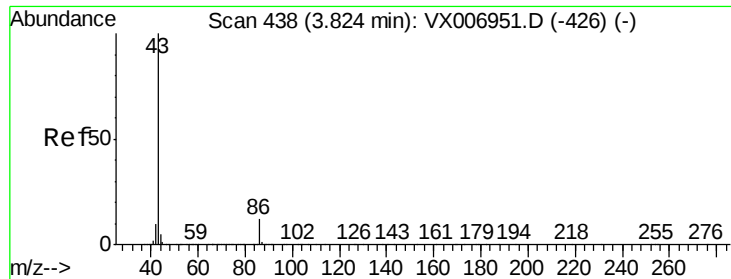
Delta R.T. -0.01 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Tgt Ion:	45	Resp:	244900
Ion	Ratio	Lower	Upper
45	100		
43	63.2	51.2	76.8
87	31.7	25.8	38.6
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 85.043 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion: 43 Resp: 970154

Ion Ratio Lower Upper

43 100

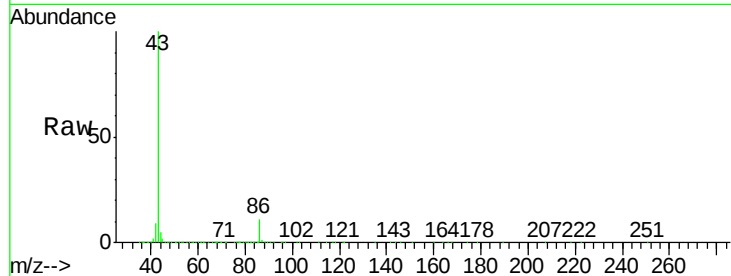
86 11.4 9.2 13.8

Manual Integrations

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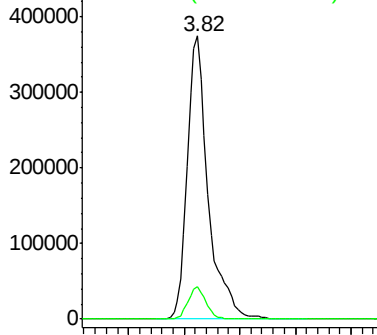
MMDadoda

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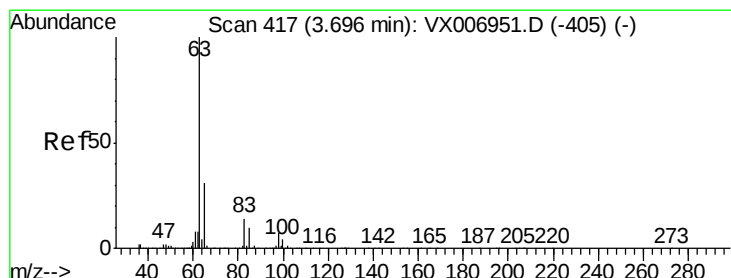
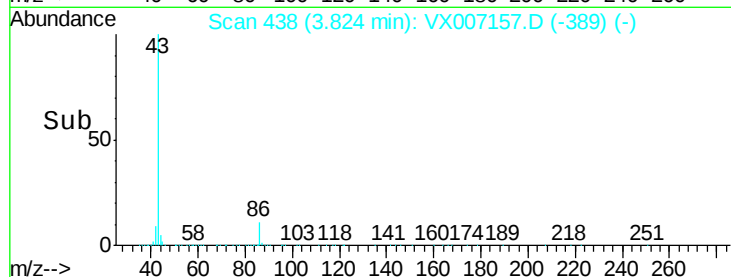


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 17.769 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

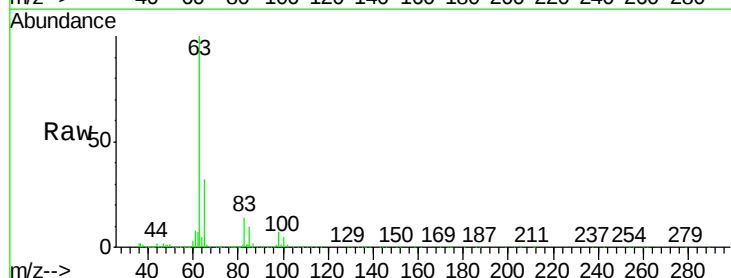
Tgt Ion: 63 Resp: 134402

Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

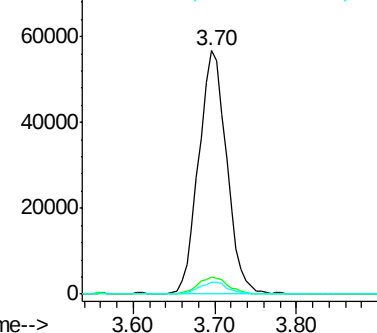
100 5.0 2.4 7.2



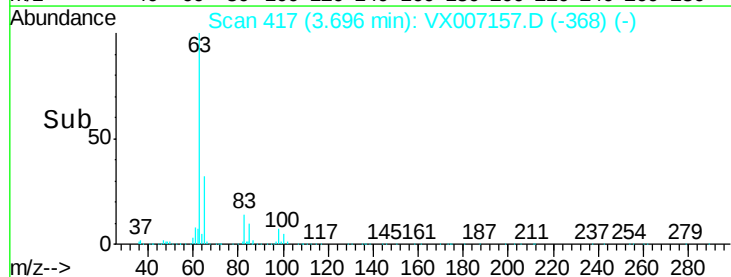
Abundance Ion 62.90 (62.60 to 63.60): VX0

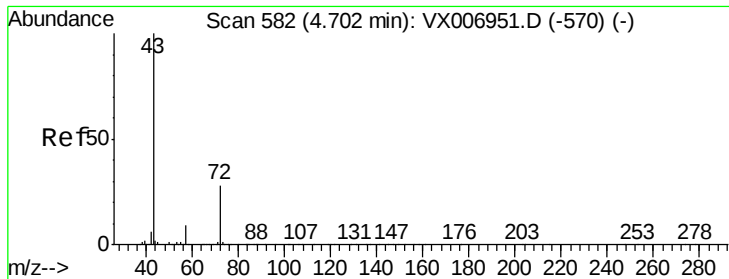
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 89.602 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion: 43 Resp: 302590

Ion Ratio Lower Upper

43 100

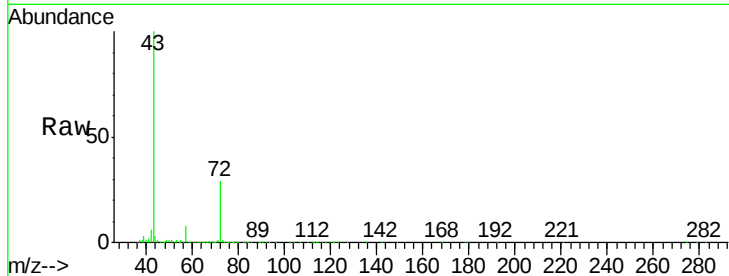
72 28.6 22.4 33.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

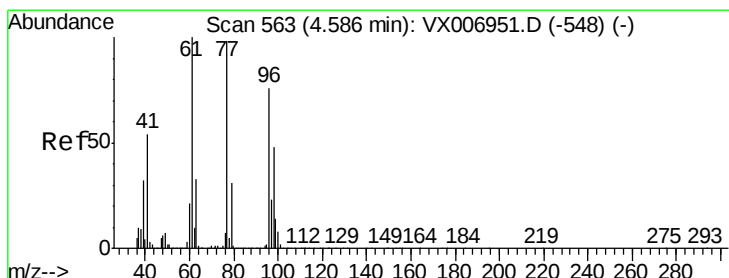
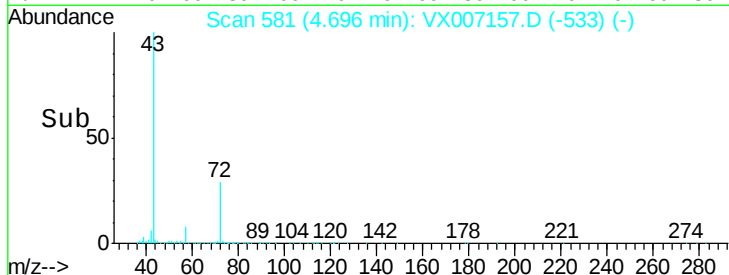
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 16.681 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007157.D

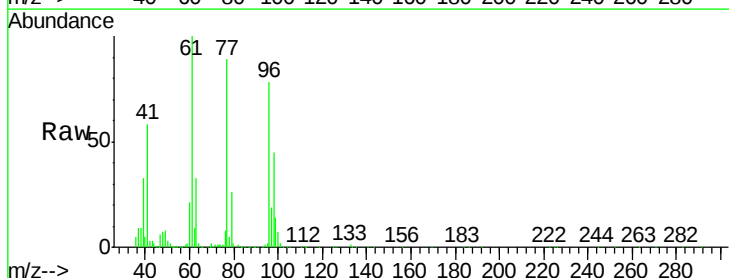
Acq: 21 Jan 2019 14:29

Tgt Ion: 77 Resp: 97023

Ion Ratio Lower Upper

77 100

97 25.0 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

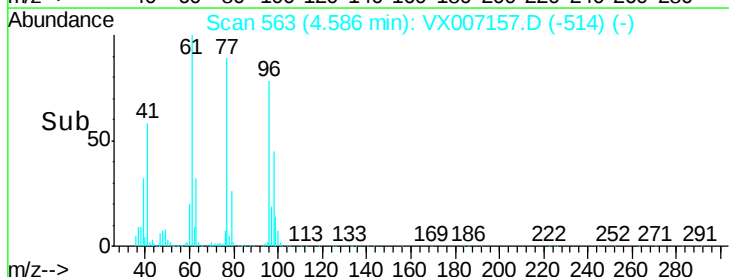
20000

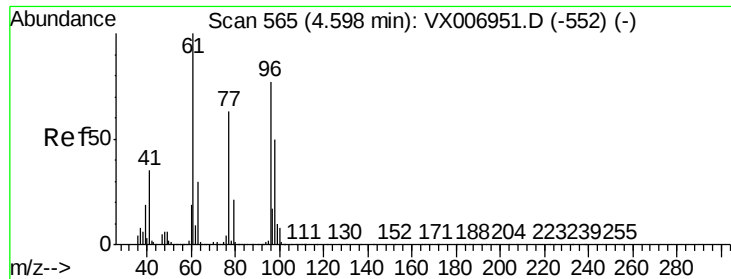
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

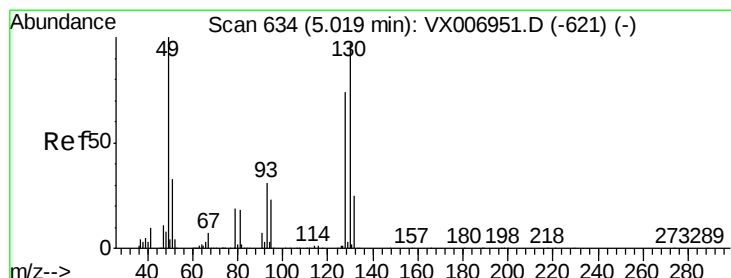
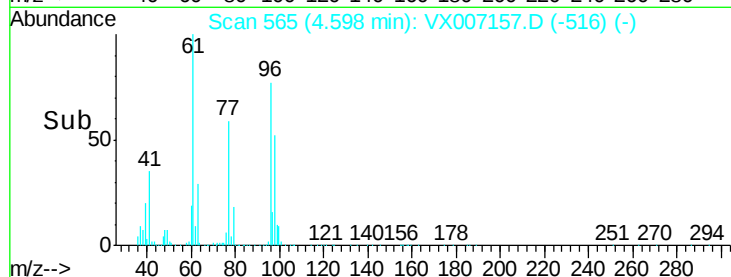
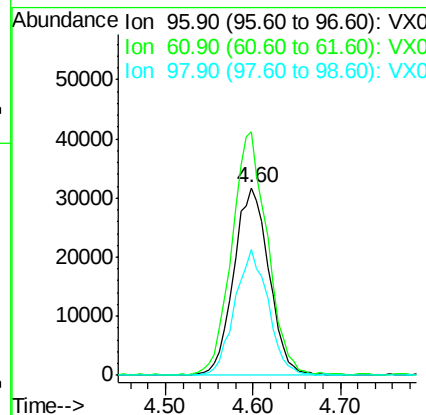
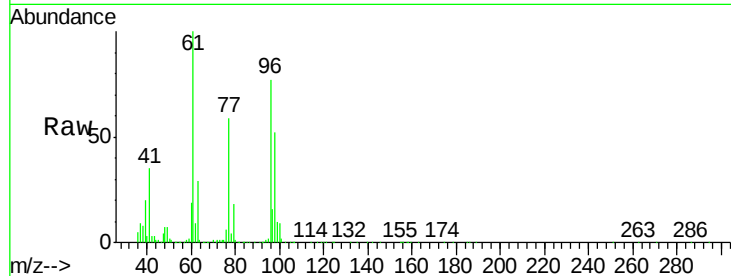
cis-1,2-Dichloroethene
Concen: 17.210 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	258.6
98	64.1	0.0	132.0

Manual Integrations
APPROVED

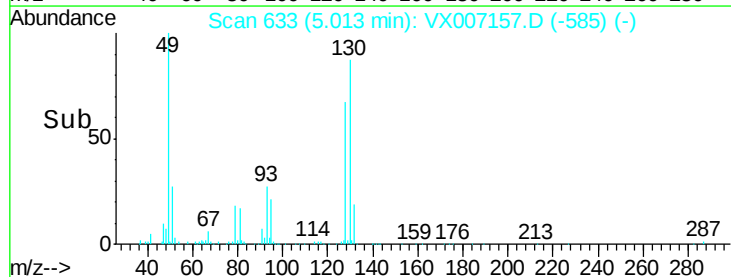
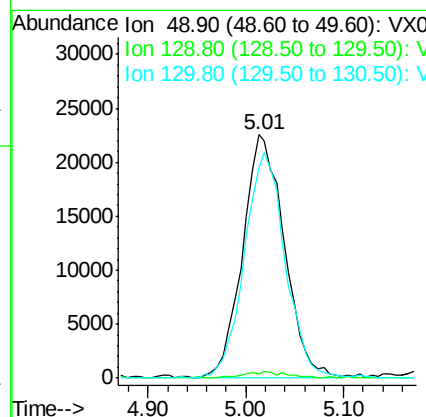
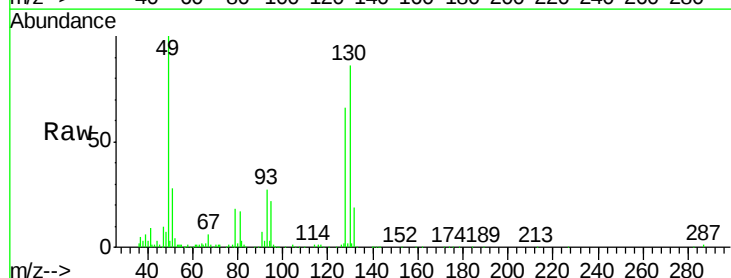
MMDadoda
1/22/2019 10:56:15 AM

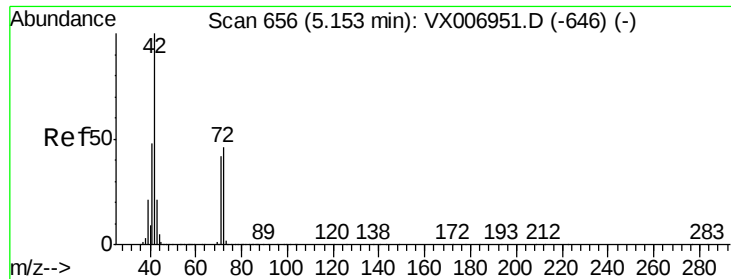


#28

Bromochloromethane
Concen: 19.922 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.4
130	91.9	77.7	116.5





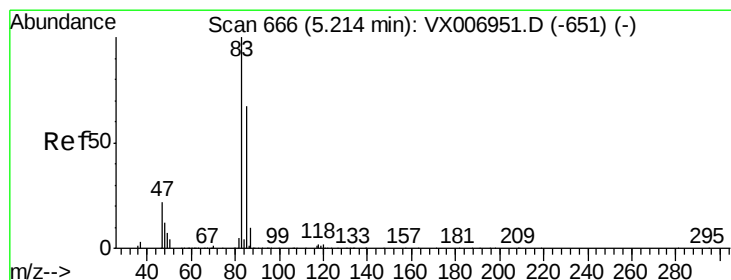
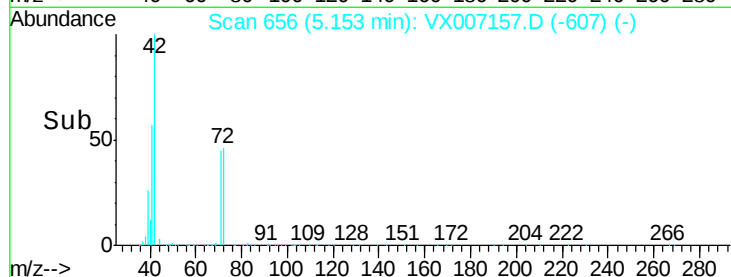
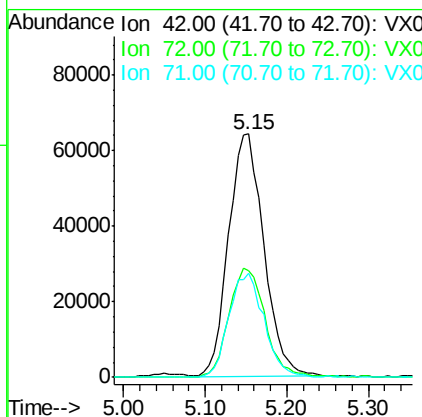
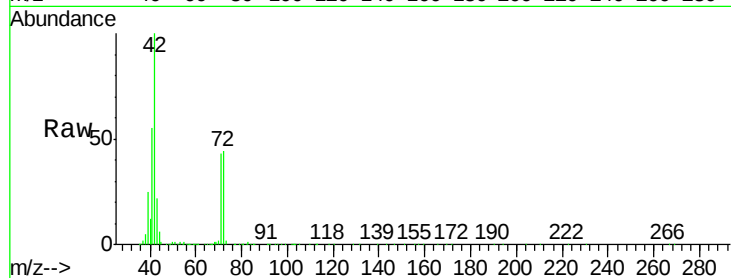
#29
Tetrahydrofuran
Concen: 87.624 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	38.9	58.3
71	43.0	36.2	54.4

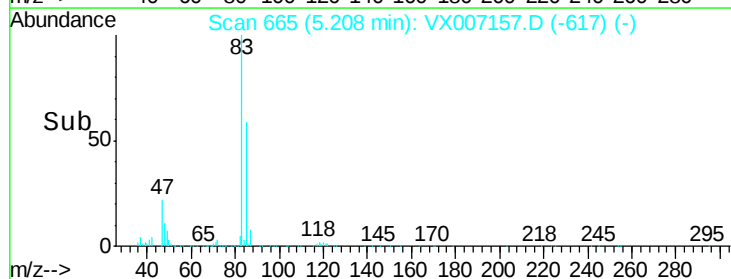
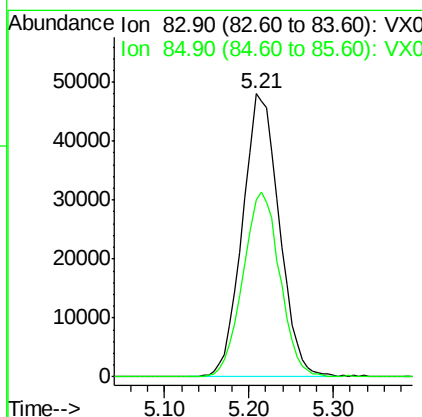
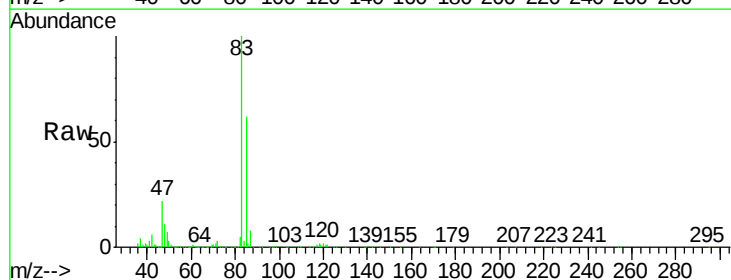
Manual Integrations
APPROVED

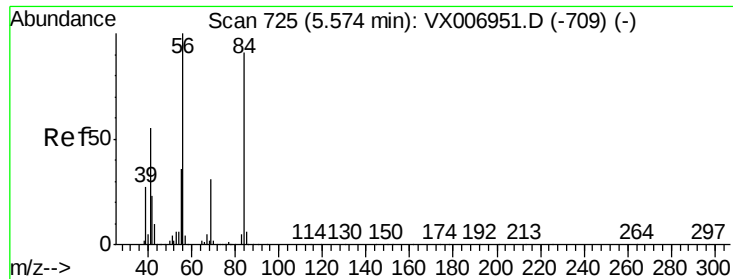
MMDadoda
1/22/2019 10:56:15 AM



#30
Chloroform
Concen: 17.969 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.2	76.8





#31

Cyclohexane

Concen: 16.595 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

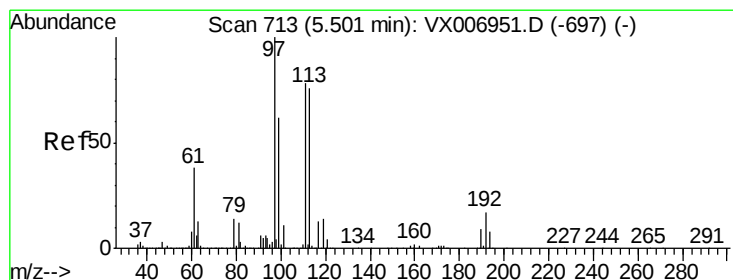
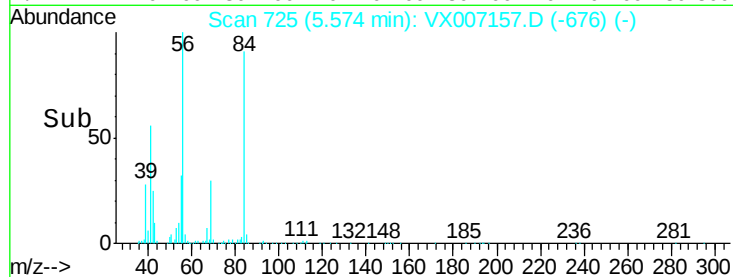
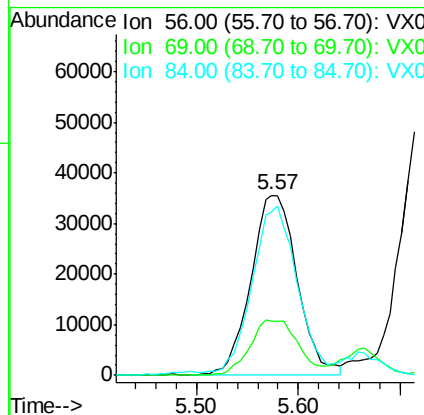
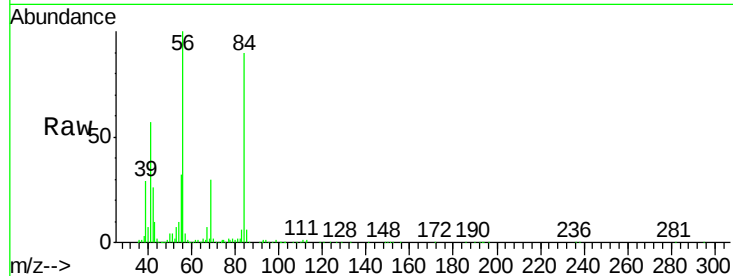
ClientSampleId :

VX0121WBSD01

Tot Ion:	56	Resp:	111719
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.4	36.6
84	88.1	70.0	105.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.512 ug/l

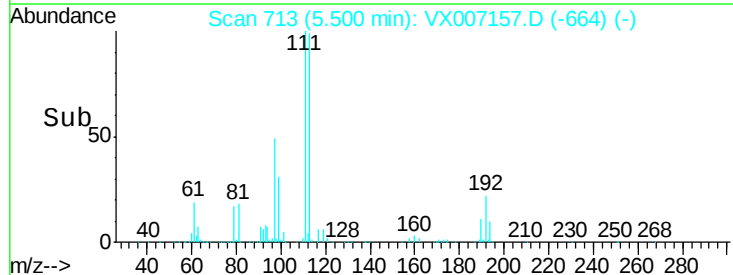
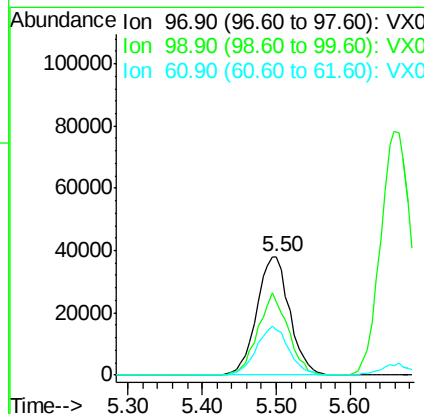
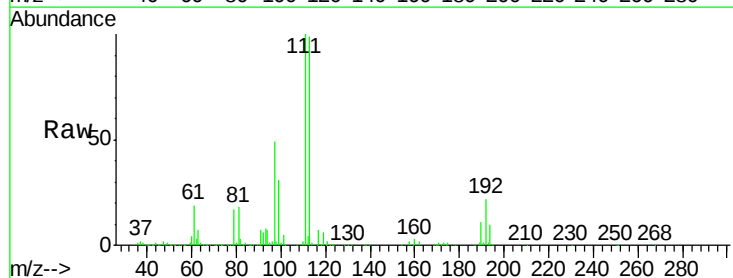
RT: 5.50 min Scan# 713

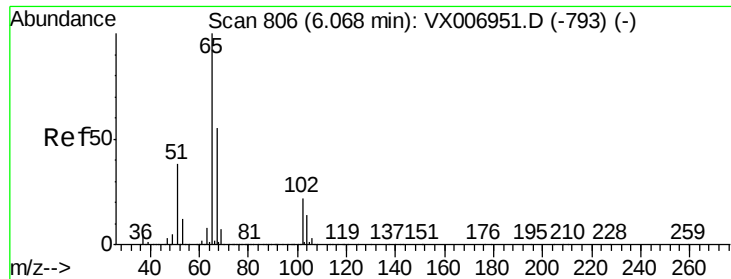
Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Tgt Ion:	97	Resp:	117552
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	40.8	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.394 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion: 65 Resp: 240584

Ion Ratio Lower Upper

65 100

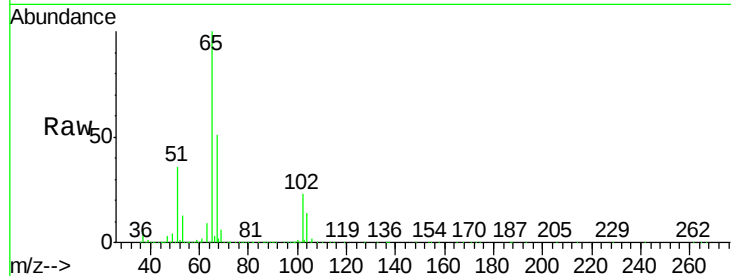
67 52.6 0.0 105.0

Manual Integrations

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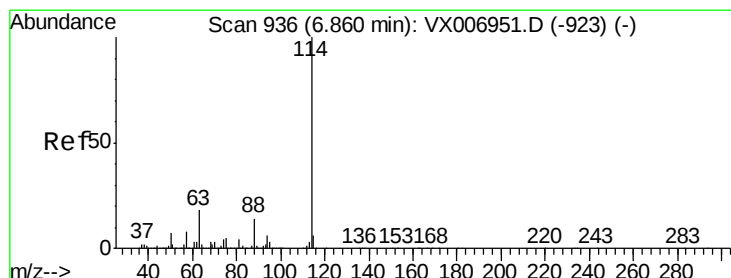
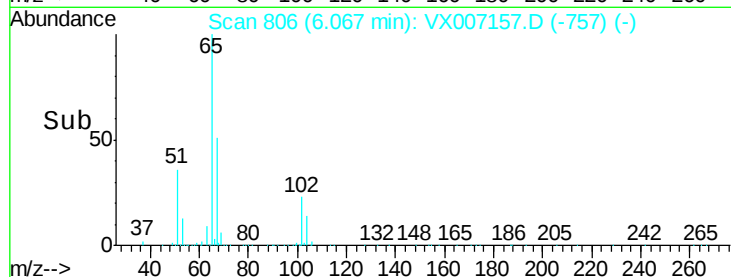
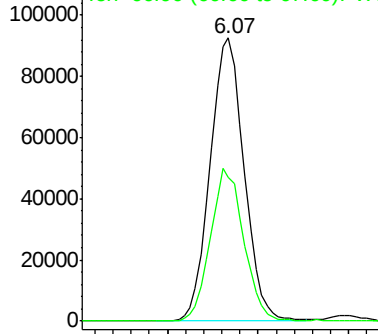
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

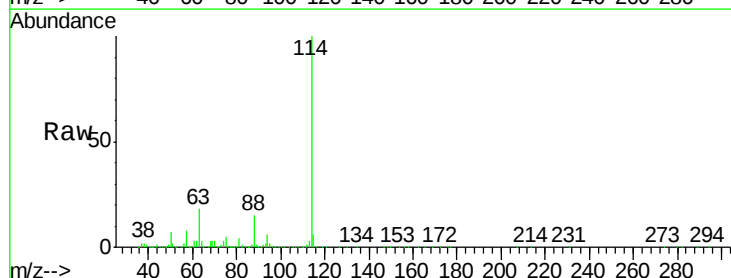
Tgt Ion: 114 Resp: 677604

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

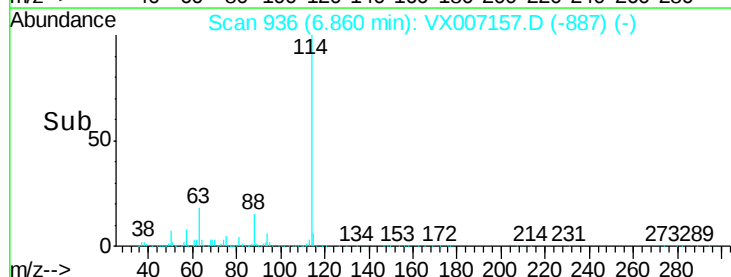
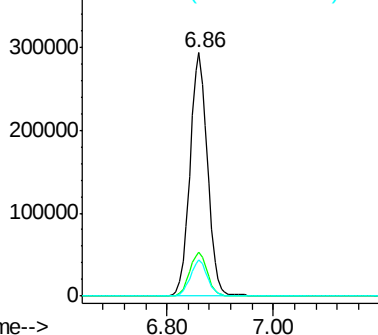
88 14.8 0.0 28.8

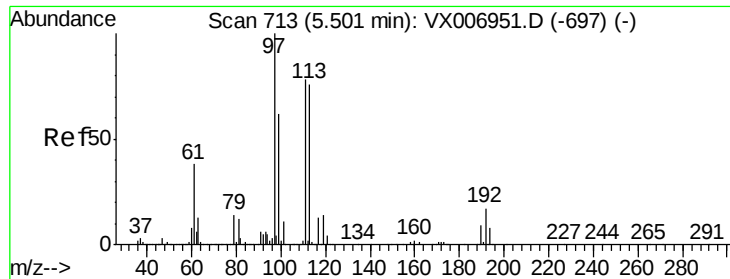


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





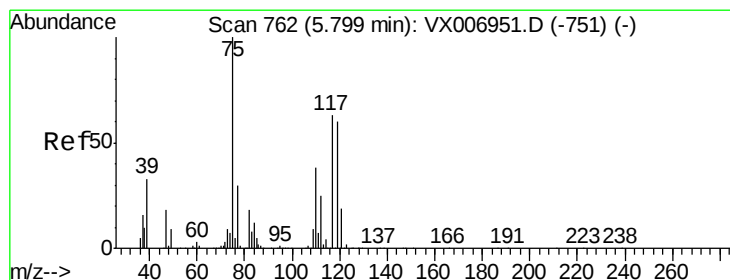
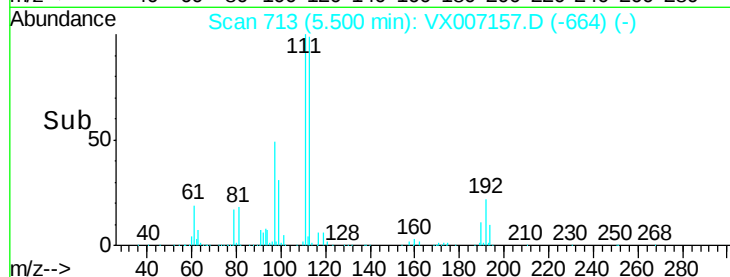
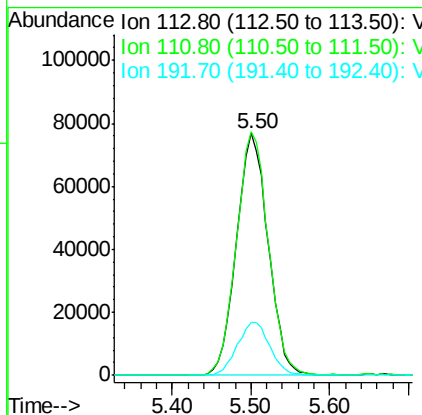
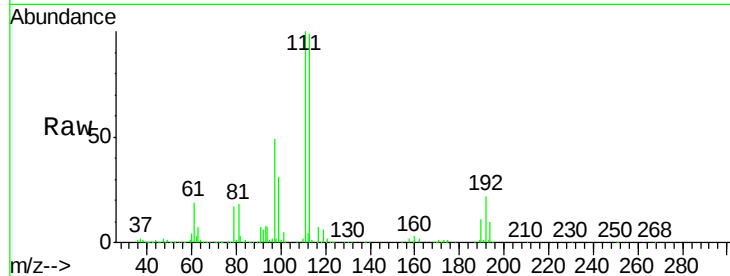
#35
 Dibromofluoromethane
 Concen: 49.524 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	214900		
111	101.5	81.6	122.4	
192	22.6	16.7	25.1	

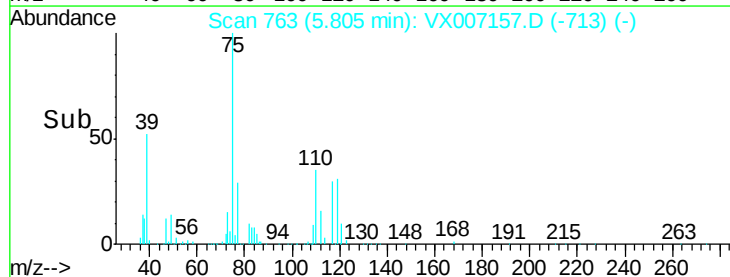
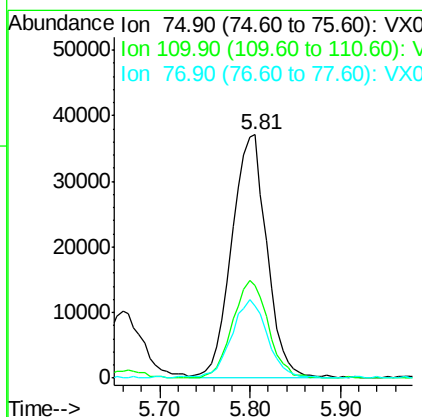
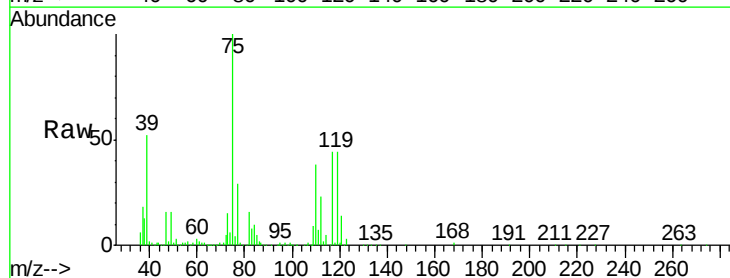
Manual Integrations
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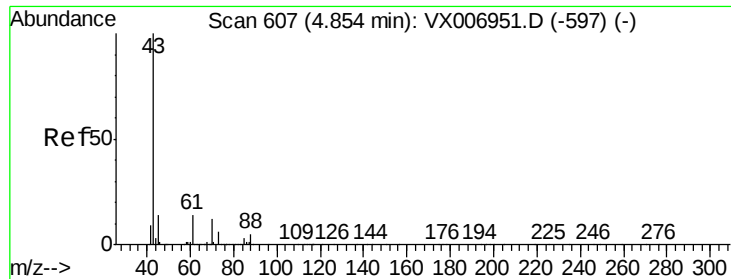
MMDadoda
 1/22/2019 10:56:15 AM



#36
 1,1-Dichloropropene
 Concen: 16.836 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99184		
110	41.2	20.2	60.5	
77	33.3	24.8	37.2	





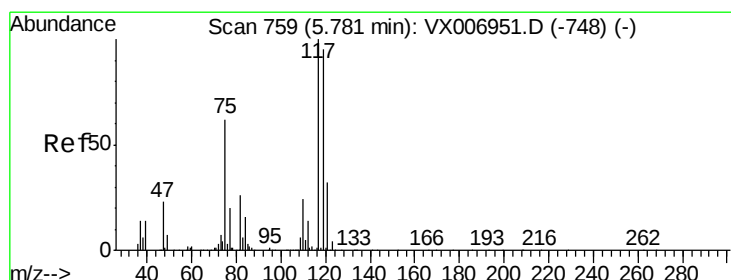
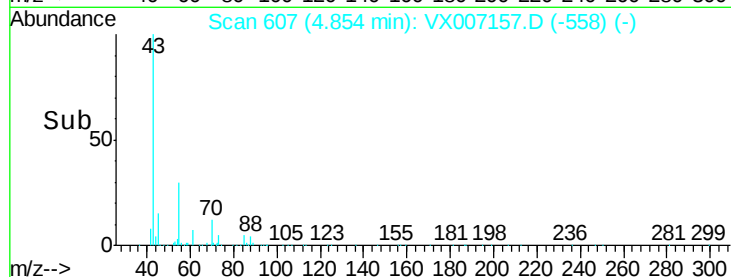
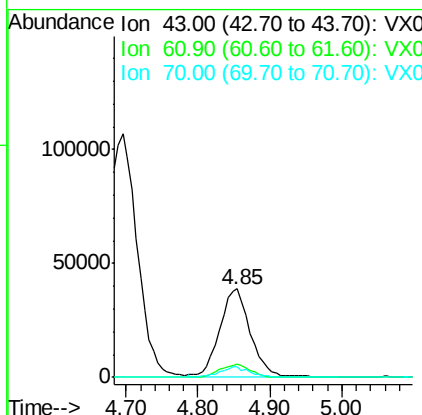
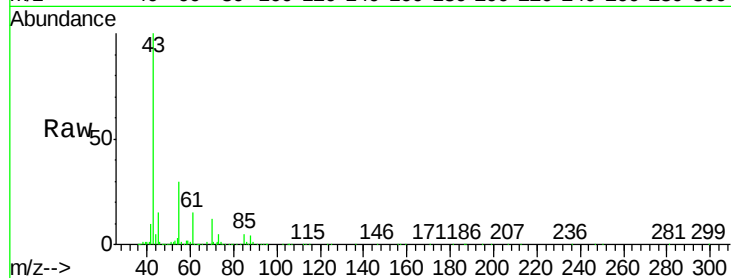
#37
Ethyl Acetate
Concen: 17.931 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.9	17.9
70	11.8	9.7	14.5

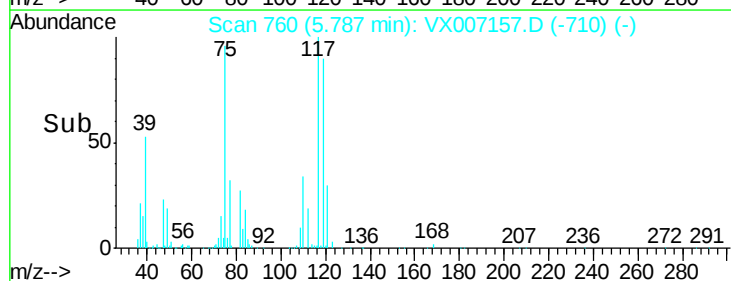
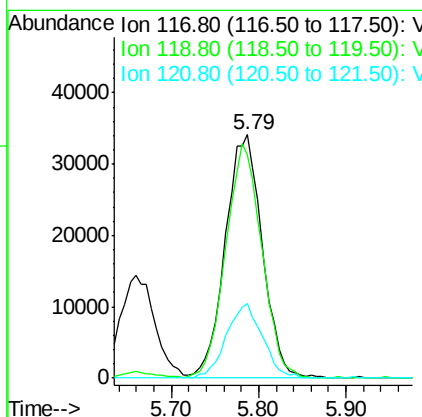
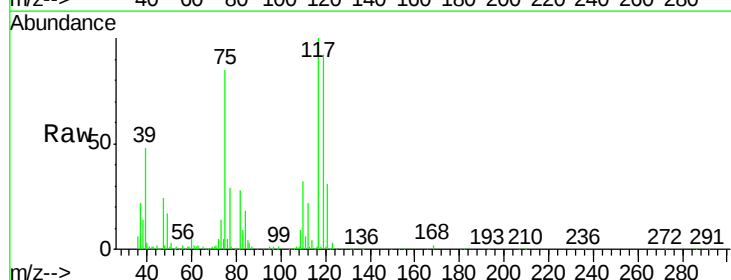
Manual Integrations
APPROVED

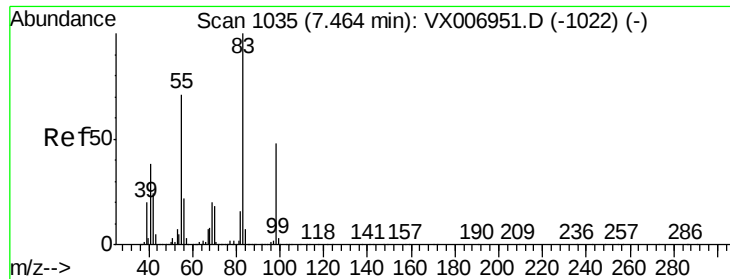
MMDadoda
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#38
Carbon Tetrachloride
Concen: 16.938 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	79.4	119.2
121	30.9	24.0	36.0





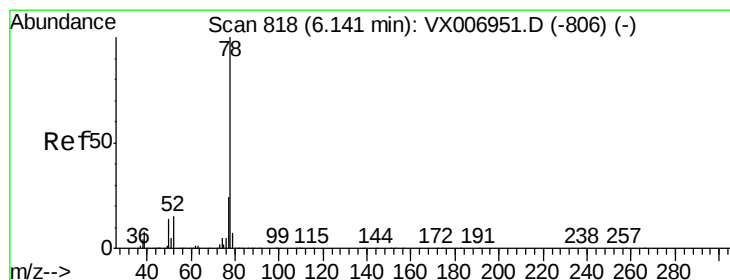
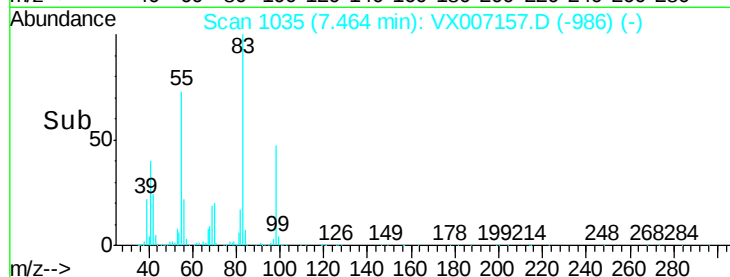
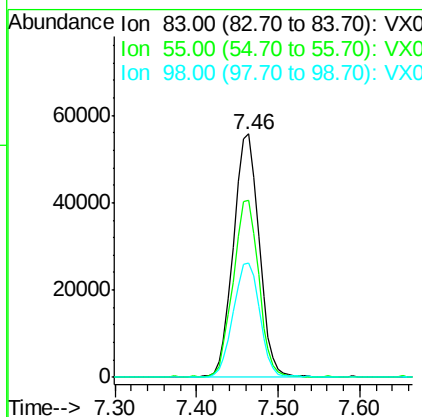
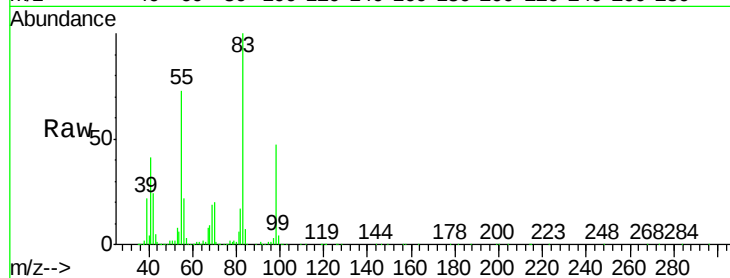
#39
Methvlcvclohexane
Concen: 16.228 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	54.9	82.3
98	47.0	37.9	56.9

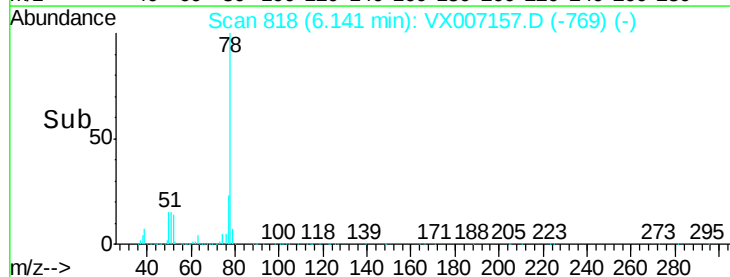
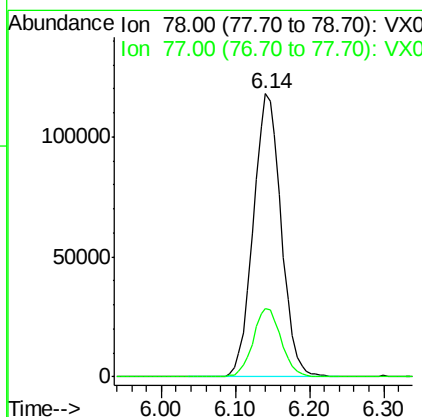
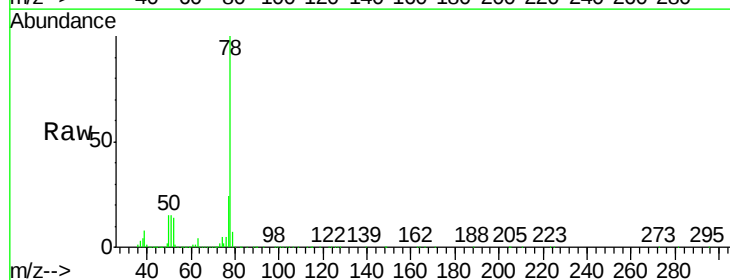
Manual Integrations
APPROVED

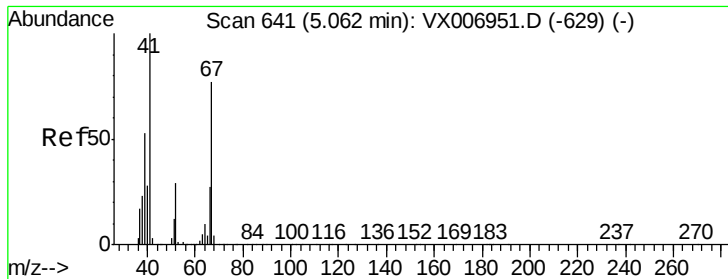
MMDadoda
1/22/2019 10:56:15 AM



#40
Benzene
Concen: 17.230 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





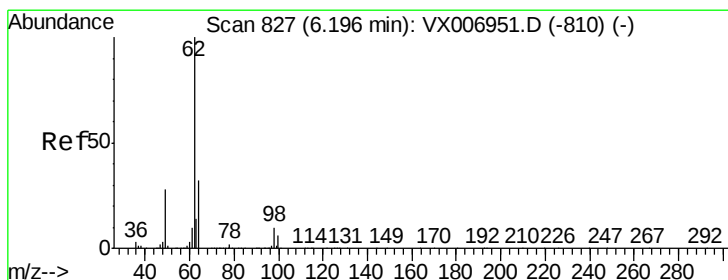
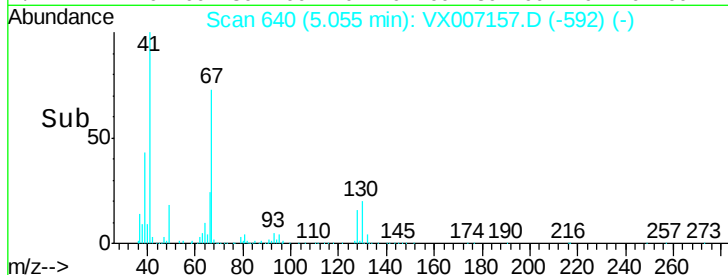
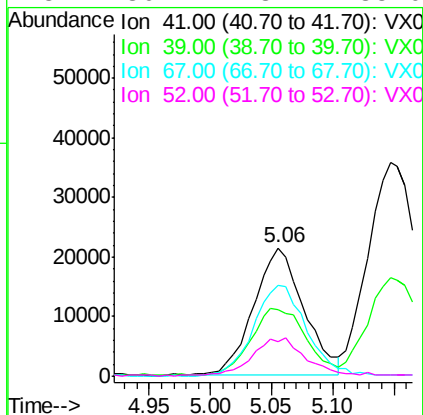
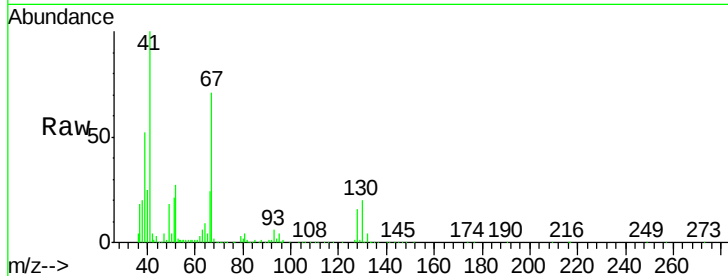
#41
Methacrylonitrile
Concen: 16.681 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		60695		
39	57.4	42.8	64.2		
67	76.9	62.1	93.1		
52	30.2	23.4	35.0		

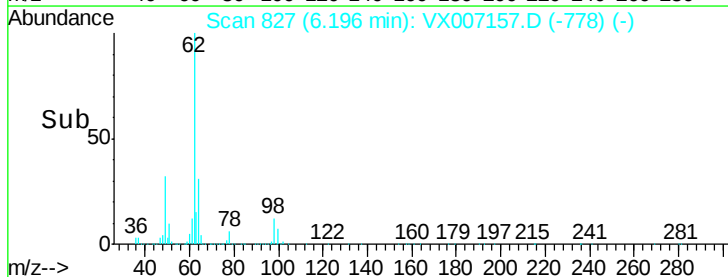
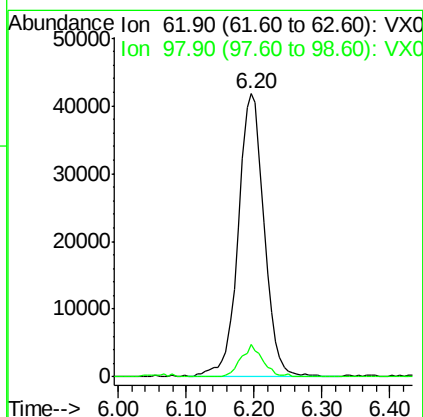
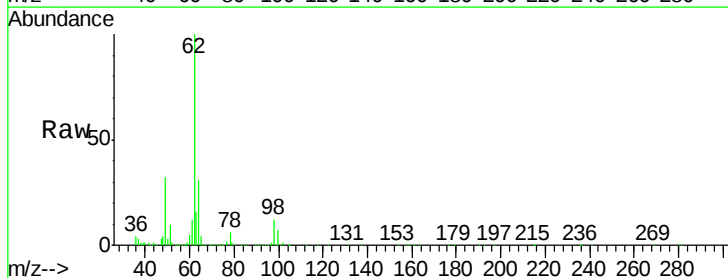
Manual Integrations
APPROVED

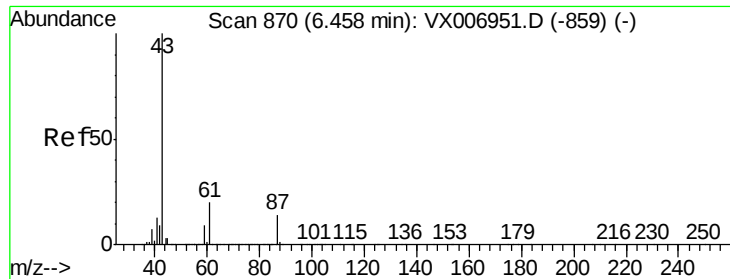
MMDadoda
1/22/2019 10:56:15 AM



#42
1,2-Dichloroethane
Concen: 17.668 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		109747		
98	10.1	0.0	20.2		





#43

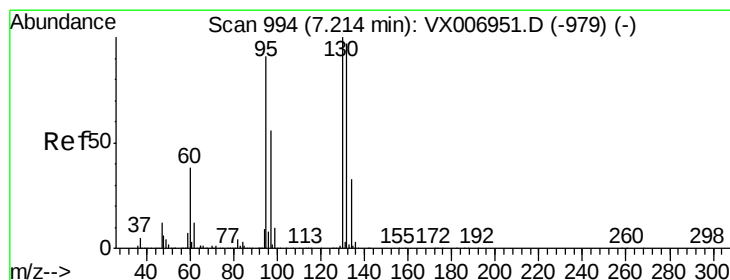
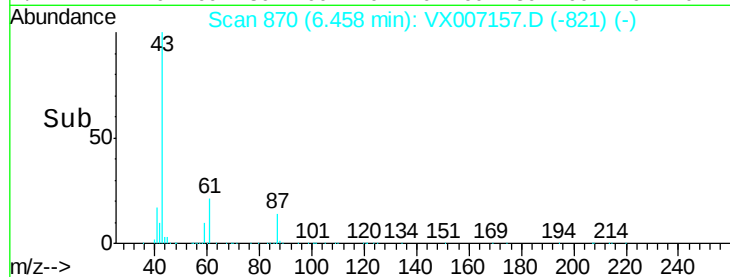
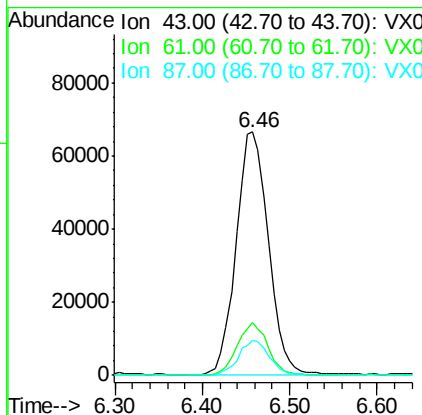
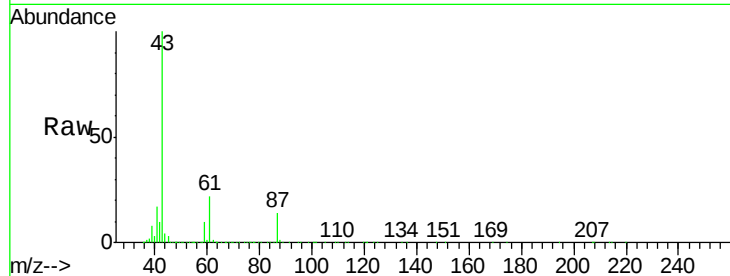
Isopropyl Acetate
 Concen: 17.078 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.8	25.2
87	14.0	12.4	18.6

Manual Integrations
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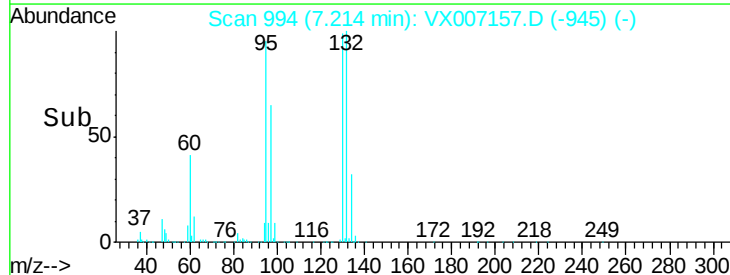
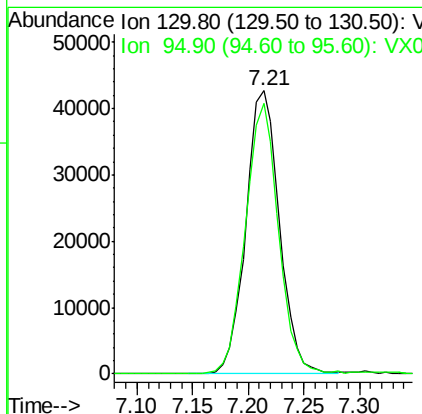
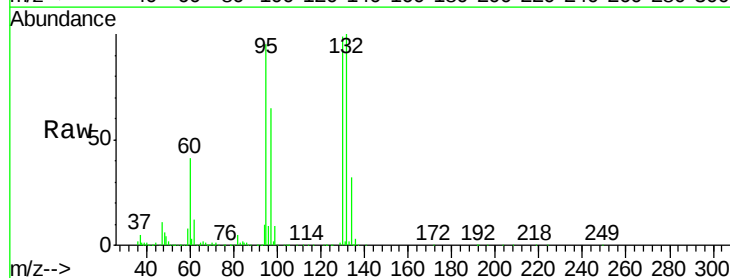
MMDadoda
 1/22/2019 10:56:15 AM

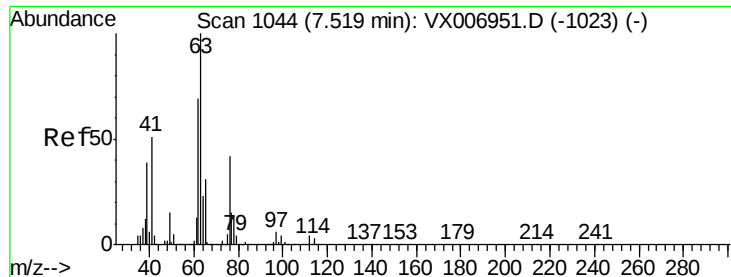


#44

Trichloroethene
 Concen: 16.662 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	187.0





#45

1,2-Dichloropropane

Concen: 17.385 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion: 63 Resp: 78565

Ion Ratio Lower Upper

63 100

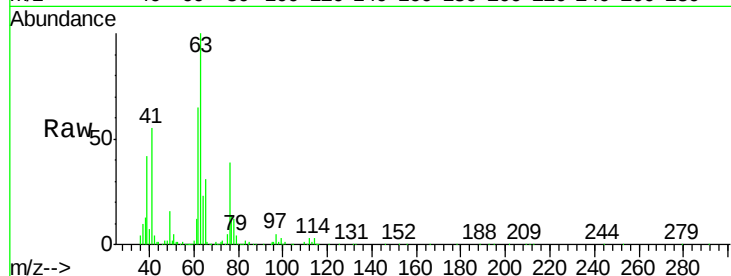
65 30.8 25.4 38.0

Manual Integrations

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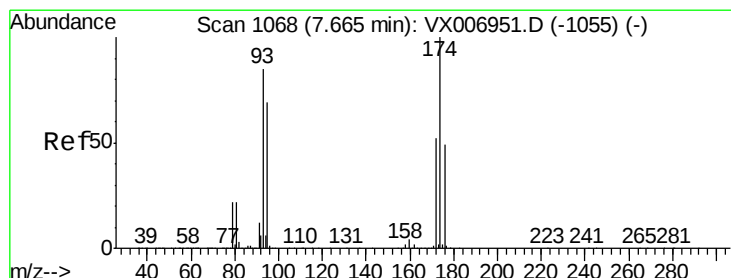
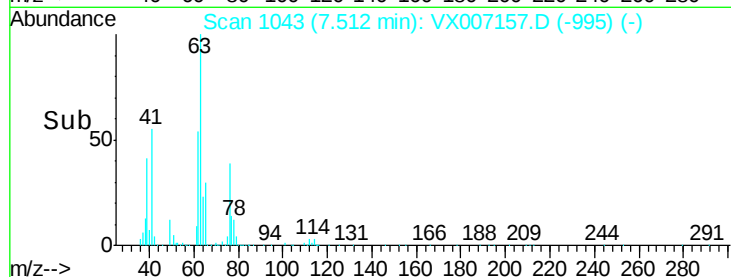
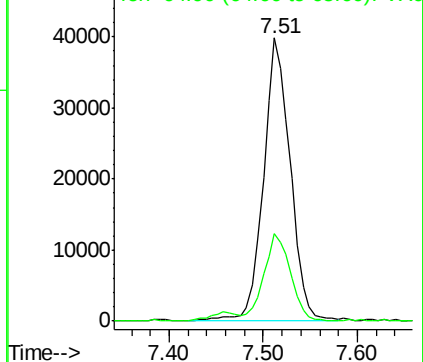
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.842 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

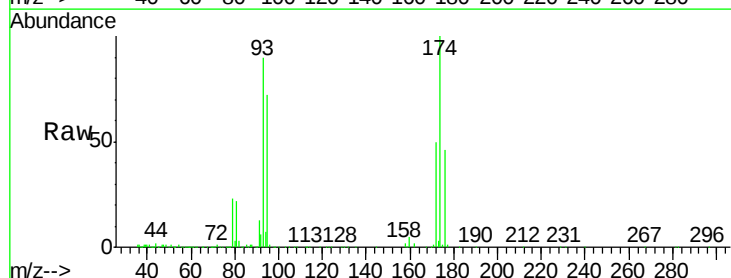
Tgt Ion: 93 Resp: 56669

Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.4

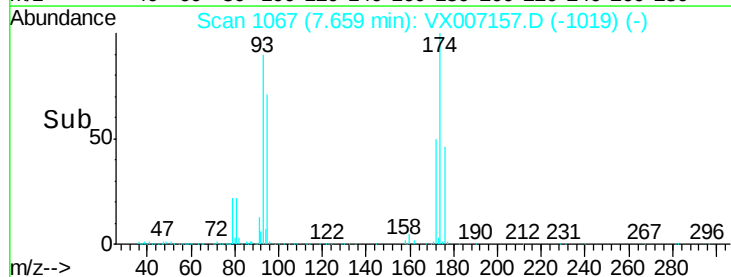
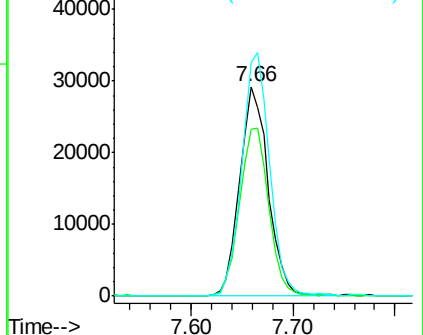
174 113.9 91.0 136.4

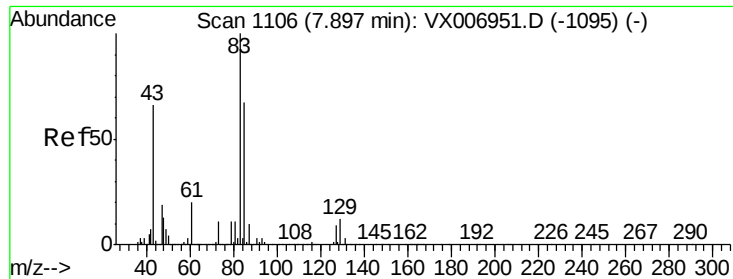


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.350 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

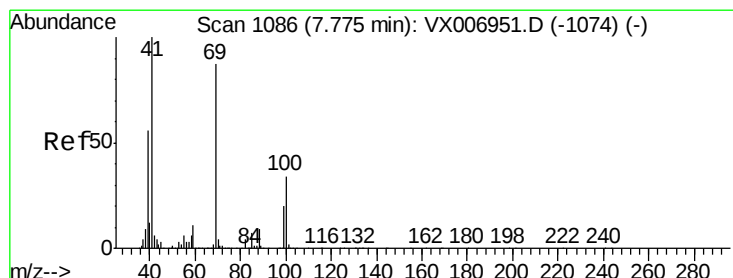
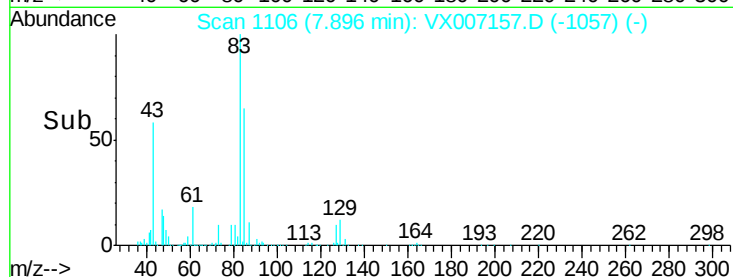
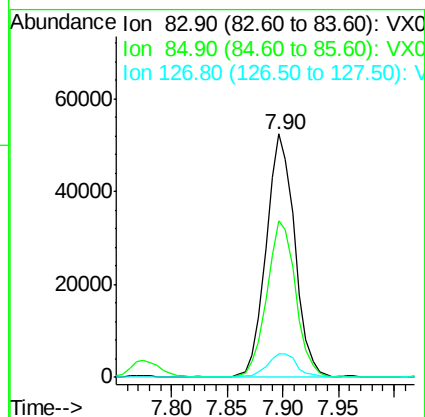
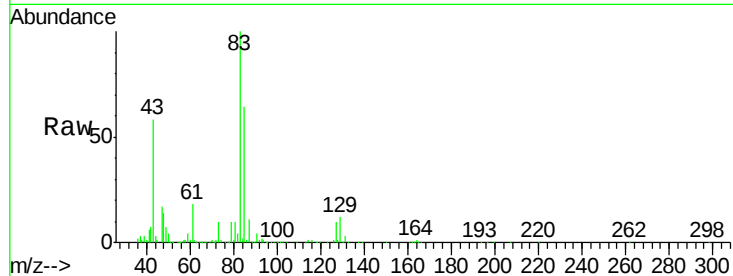
ClientSampled :

VX0121WBSD01

Tot Ion:	83	Resp:	93797
Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.2	79.8
127	9.8	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.318 ug/l

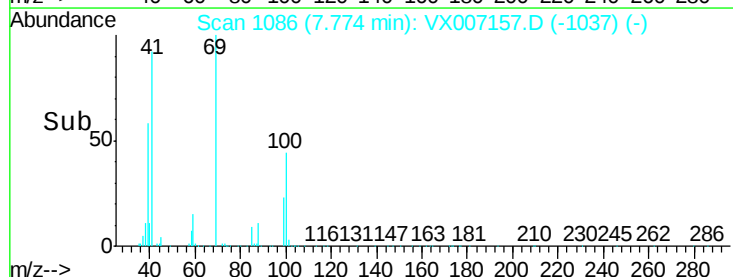
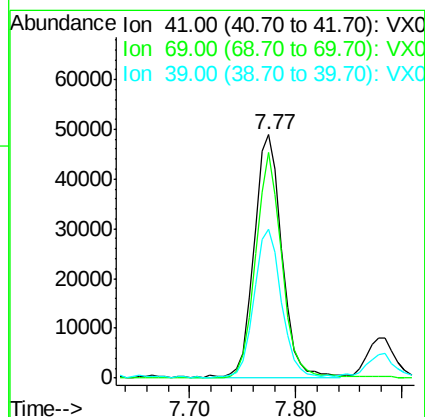
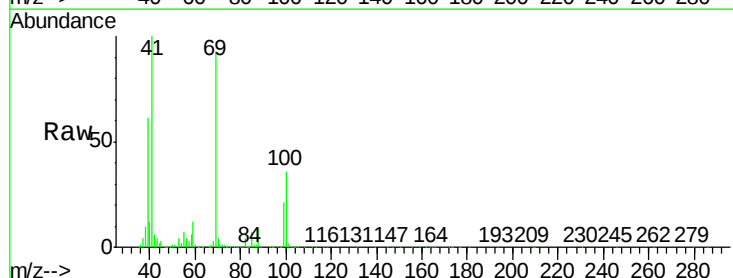
RT: 7.77 min Scan# 1086

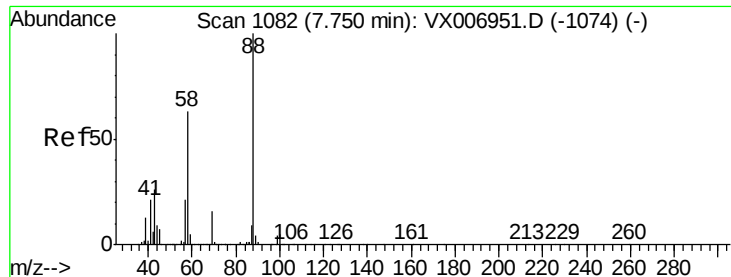
Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Tgt Ion:	41	Resp:	88601
Ion	Ratio	Lower	Upper
41	100		
69	88.6	72.4	108.6
39	59.9	45.8	68.8





#49

1,4-Dioxane

Concen: 367.116 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

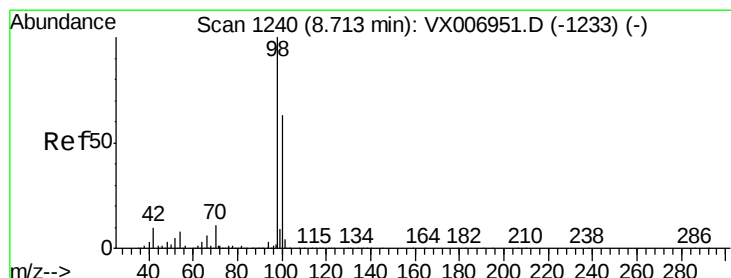
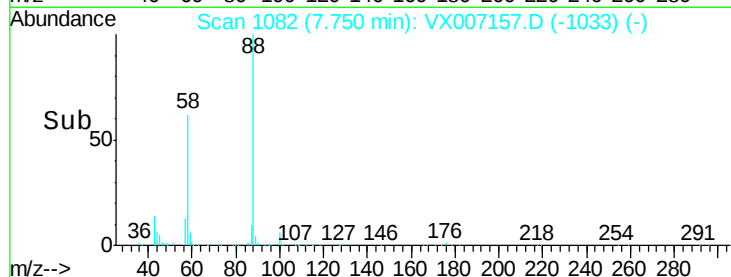
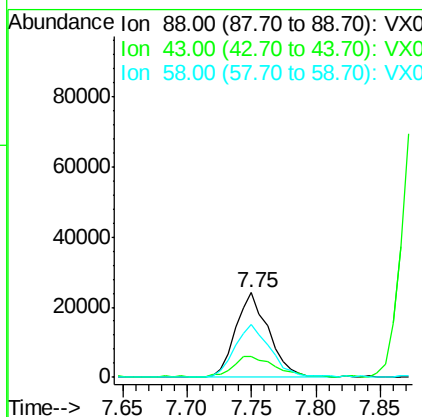
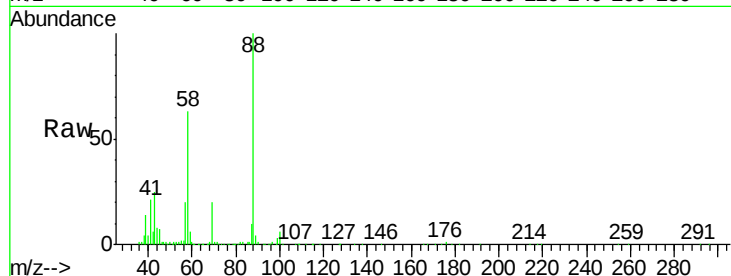
ClientSampleId :

VX0121WBSD01

Tot Ion:	88	Resp:	43527
Ion	Ratio	Lower	Upper
88	100		
43	31.0	22.2	33.4
58	65.7	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 50.078 ug/l

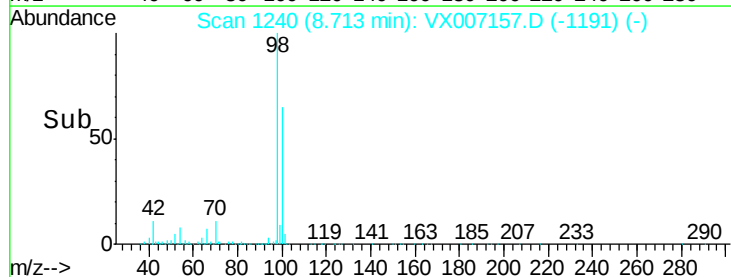
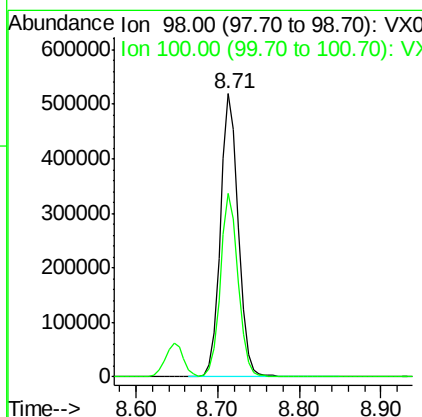
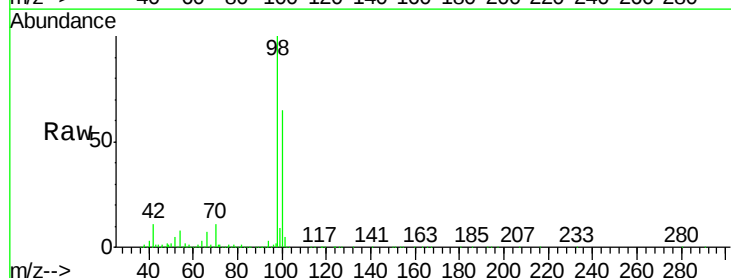
RT: 8.71 min Scan# 1240

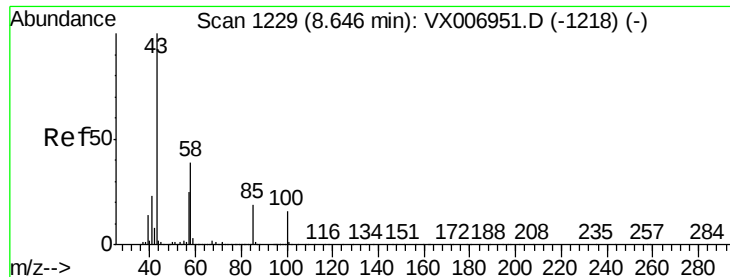
Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Tgt Ion:	98	Resp:	795410
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 94.513 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion: 43 Resp: 605118

Ion Ratio Lower Upper

43 100

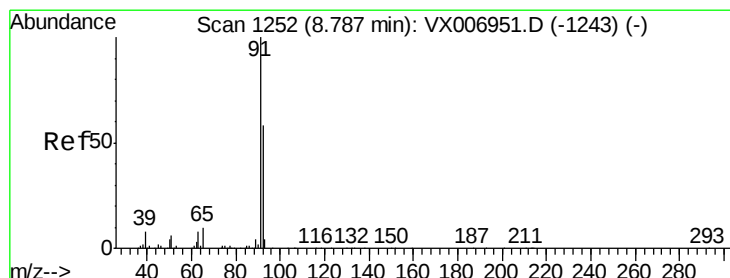
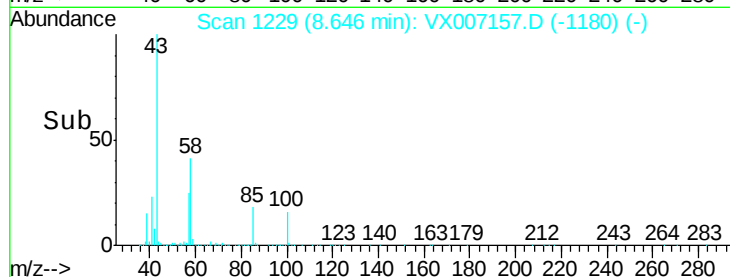
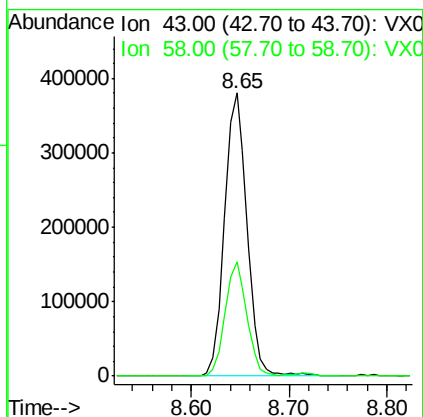
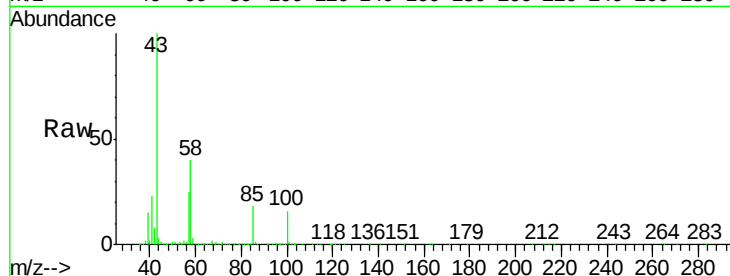
58 38.8 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 17.572 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007157.D

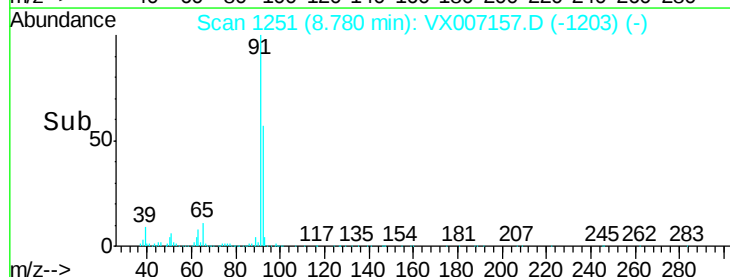
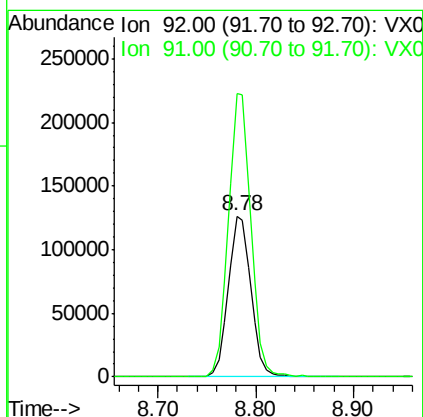
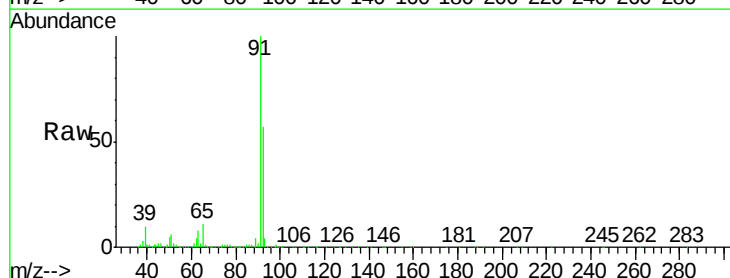
Acq: 21 Jan 2019 14:29

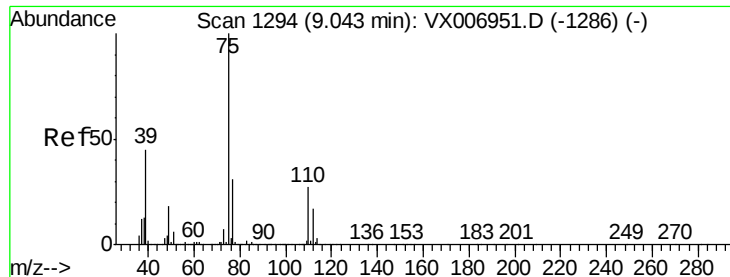
Tgt Ion: 92 Resp: 203017

Ion Ratio Lower Upper

92 100

91 175.3 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 16.512 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion: 75 Resp: 98987

Ion Ratio Lower Upper

75 100

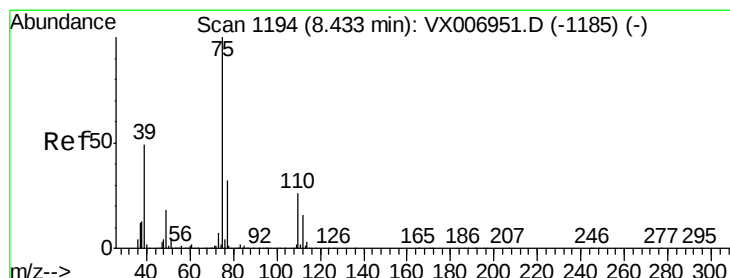
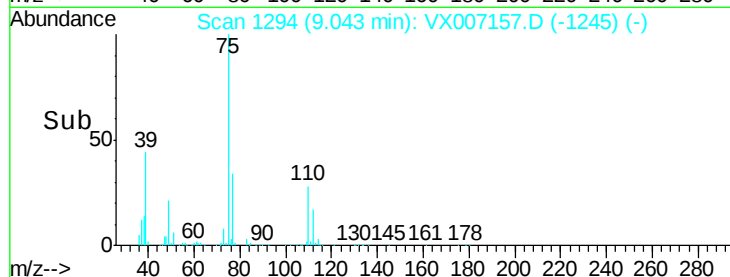
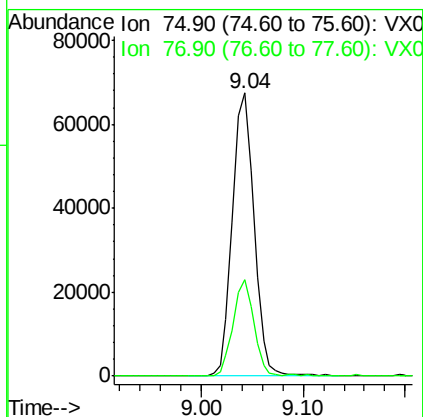
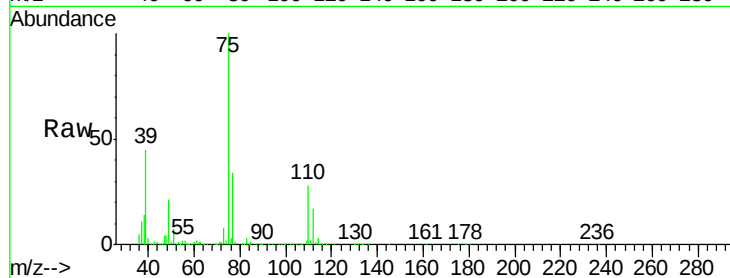
77 34.1 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 17.095 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

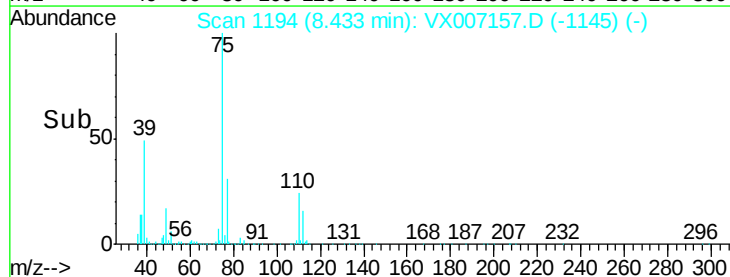
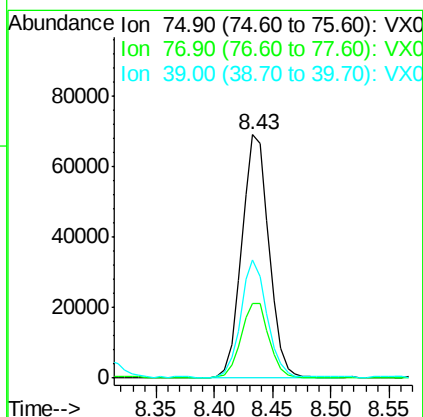
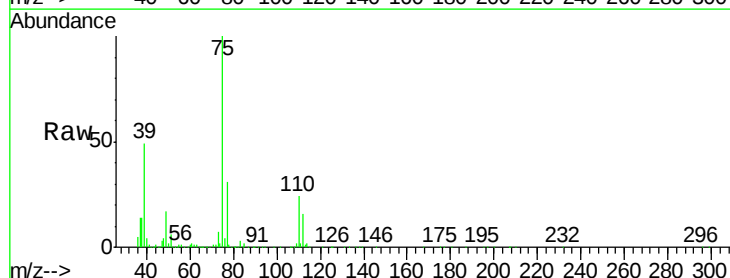
Tgt Ion: 75 Resp: 113172

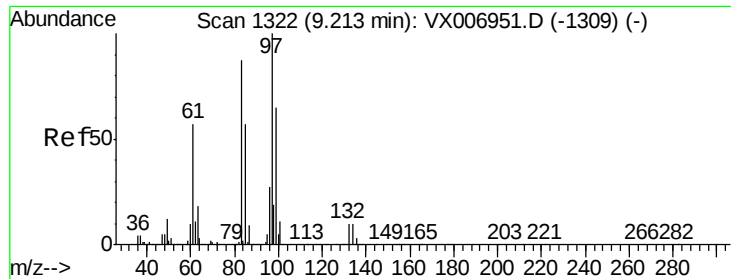
Ion Ratio Lower Upper

75 100

77 30.5 26.2 39.2

39 48.1 36.7 55.1





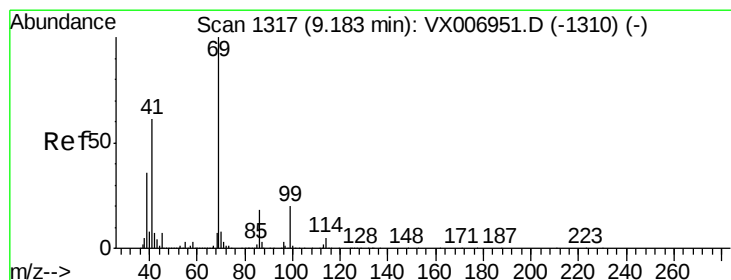
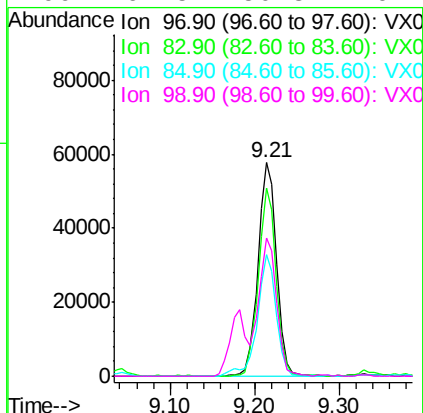
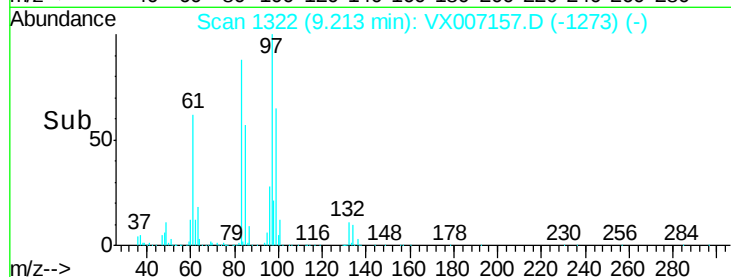
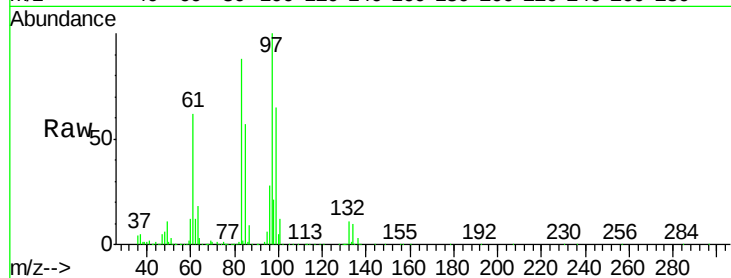
#55
 1,1,2-Trichloroethane
 Concen: 18.726 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBSD01

Tot Ion	97	Resp:	86597
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.6	99.8
85	57.2	42.7	64.1
99	64.5	50.8	76.2

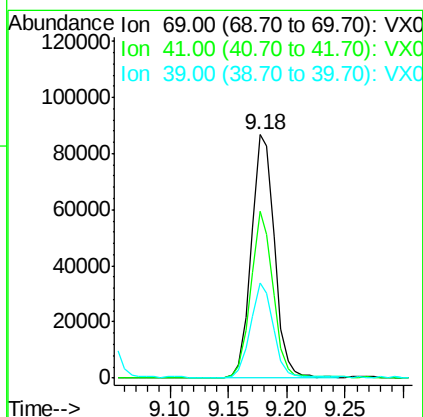
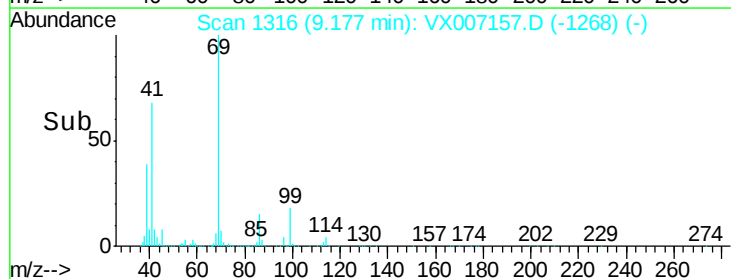
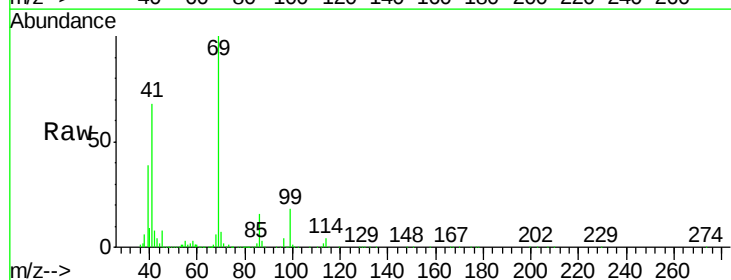
Manual Integrations
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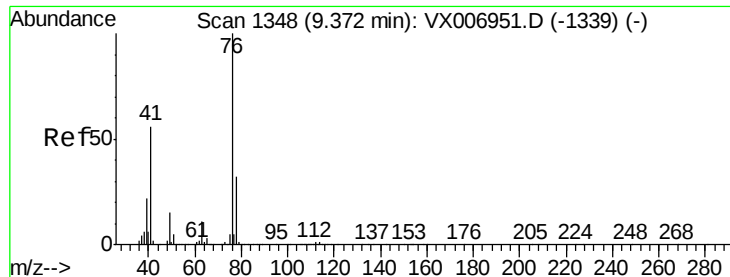
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#56
 Ethyl methacrylate
 Concen: 17.921 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Tgt Ion	69	Resp:	120985
Ion	Ratio	Lower	Upper
69	100		
41	65.7	48.7	73.1
39	38.4	27.0	40.6





#57

1,3-Dichloropropane

Concen: 18.219 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion: 76 Resp: 138035

Ion Ratio Lower Upper

76 100

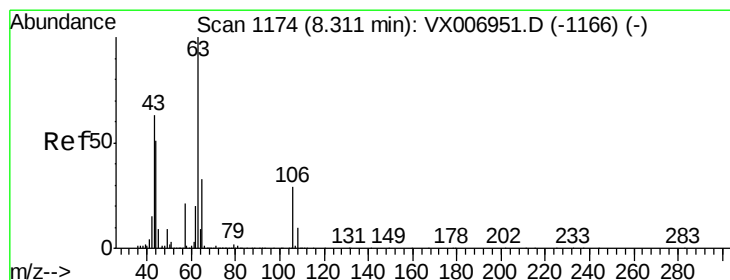
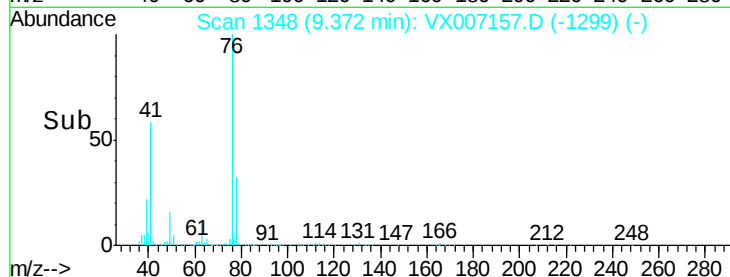
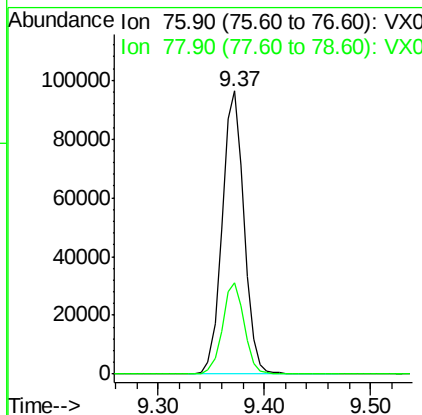
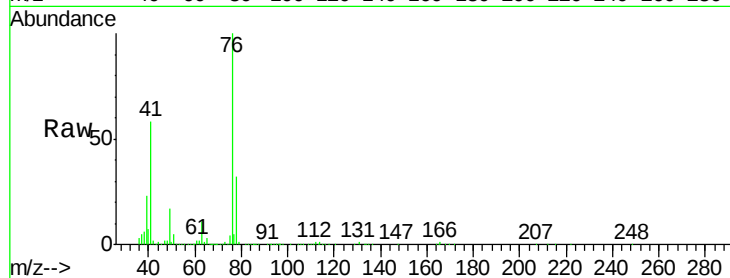
78 32.0 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.828 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007157.D

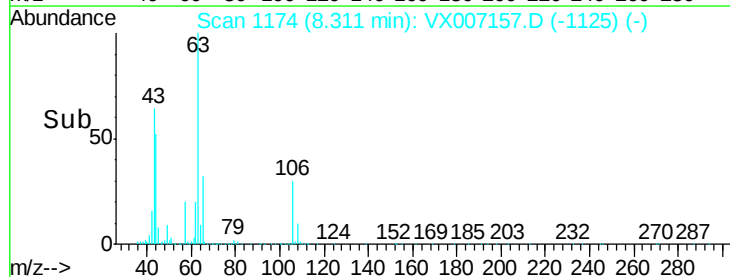
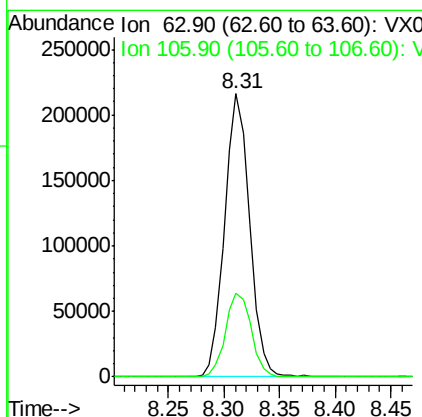
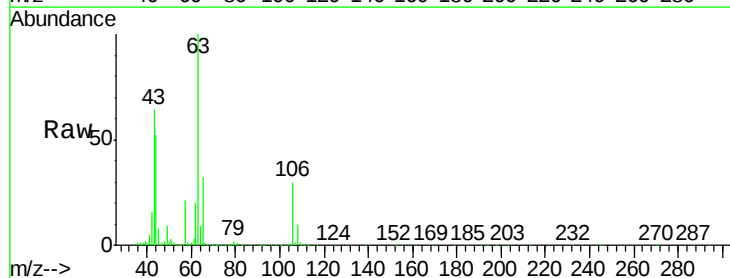
Acq: 21 Jan 2019 14:29

Tgt Ion: 63 Resp: 336108

Ion Ratio Lower Upper

63 100

106 30.5 24.6 36.8





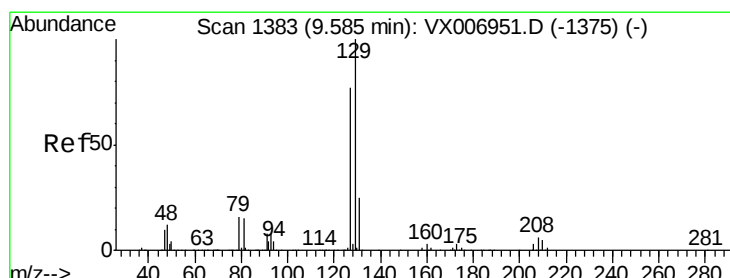
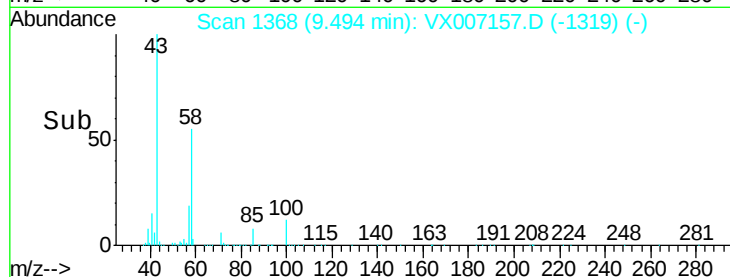
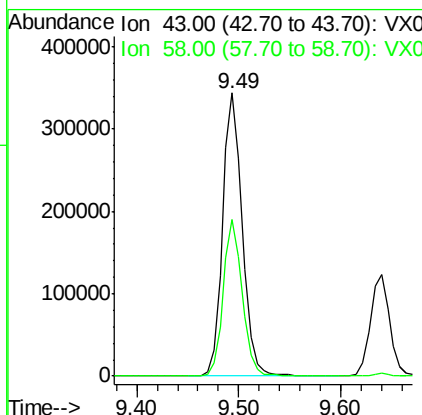
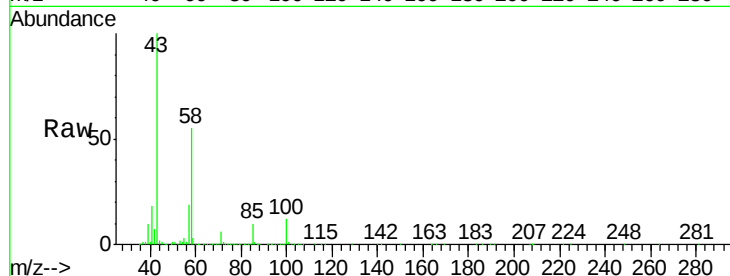
#59
2-Hexanone
Concen: 94.555 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion: 43 Resp: 461339
Ion Ratio Lower Upper
43 100
58 53.4 27.7 83.1

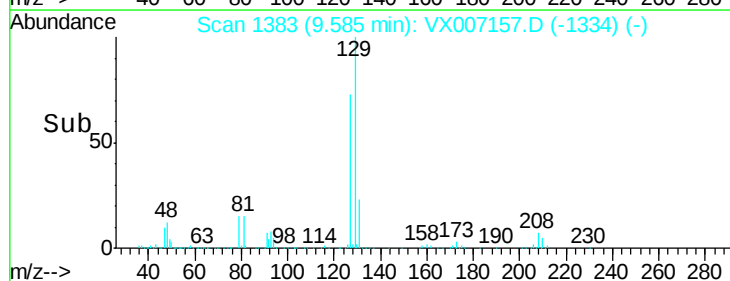
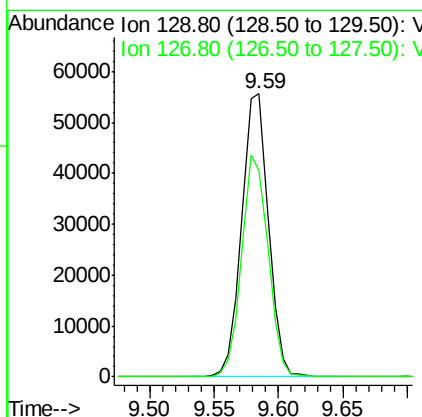
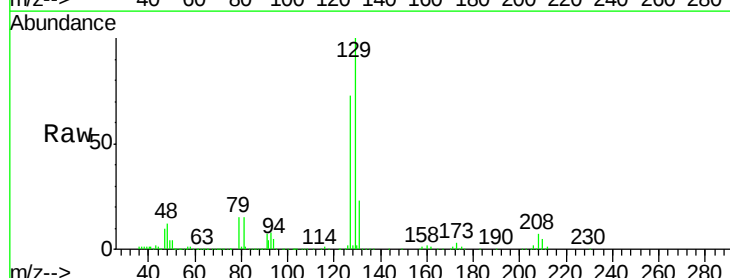
Manual Integrations
APPROVED

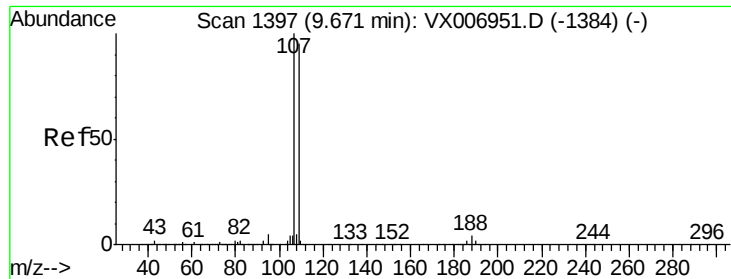
MMDadoda
1/22/2019 10:56:15 AM



#60
Dibromochloromethane
Concen: 17.767 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion: 129 Resp: 79782
Ion Ratio Lower Upper
129 100
127 77.6 39.3 117.8





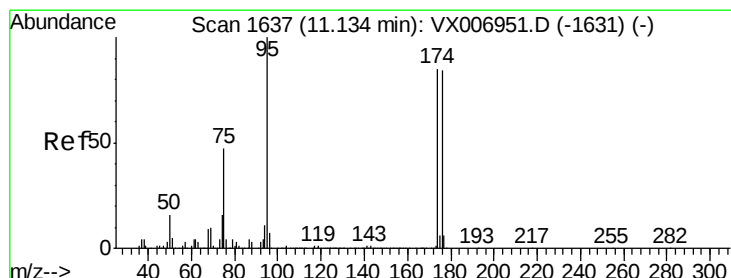
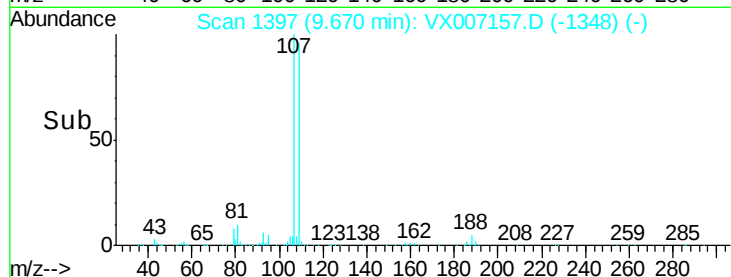
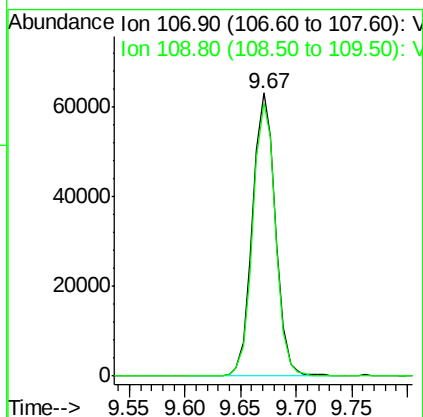
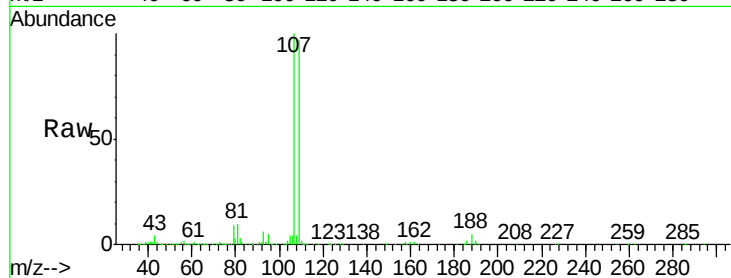
#61
 1,2-Dibromoethane
 Concen: 17.861 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.8	113.6

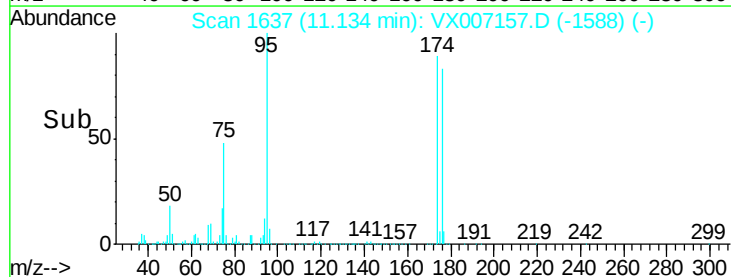
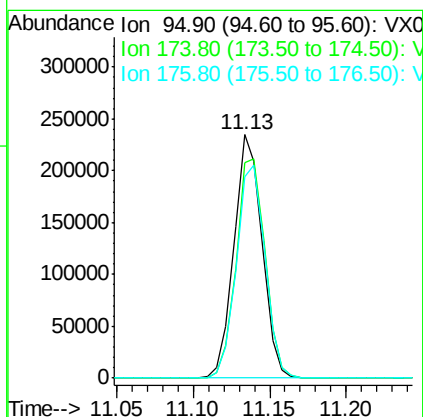
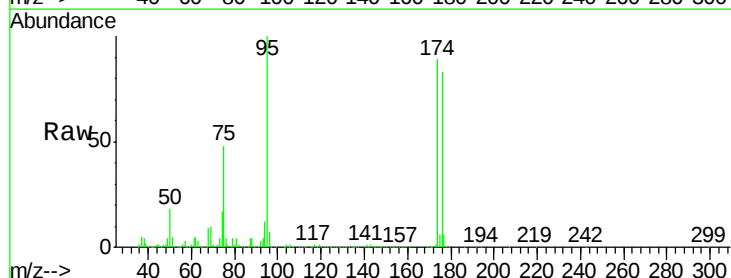
Manual Integrations
 APPROVED

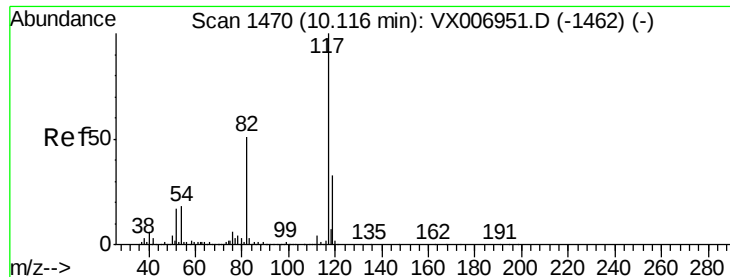
MMDadoda
 1/22/2019 10:56:15 AM



#62
 4-Bromofluorobenzene
 Concen: 53.657 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.4	0.0	182.2
176	90.1	0.0	178.8





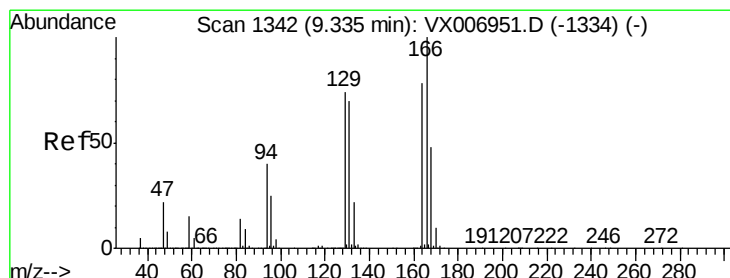
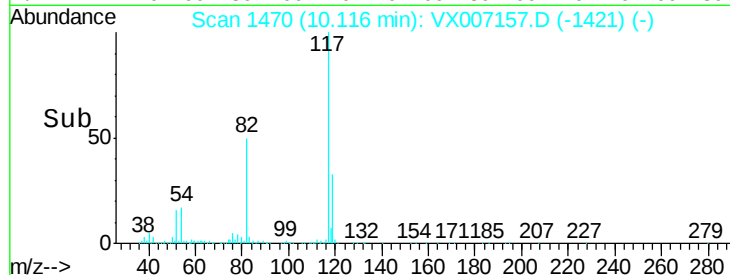
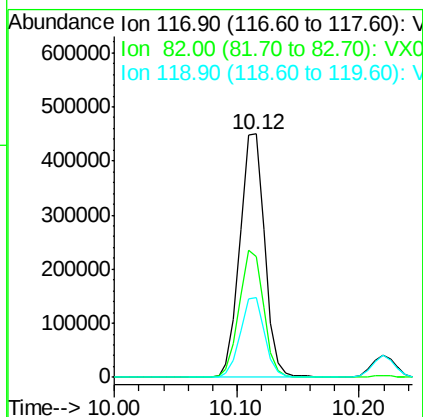
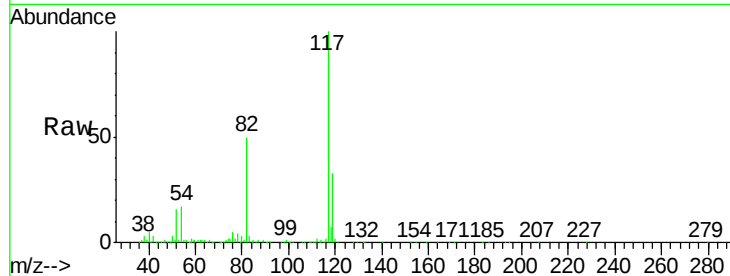
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	41.0	61.6
119	32.6	25.4	38.0

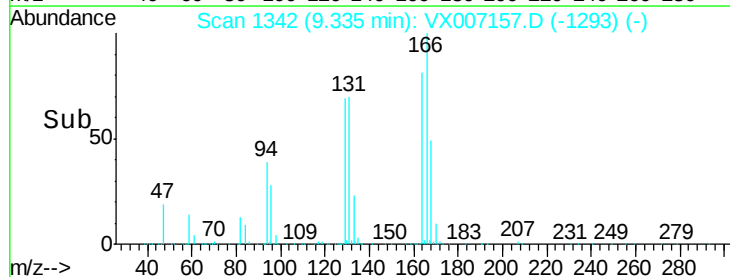
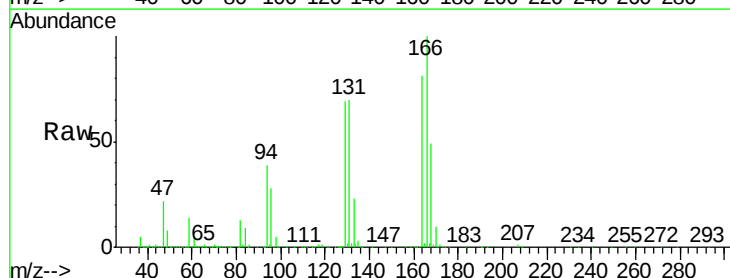
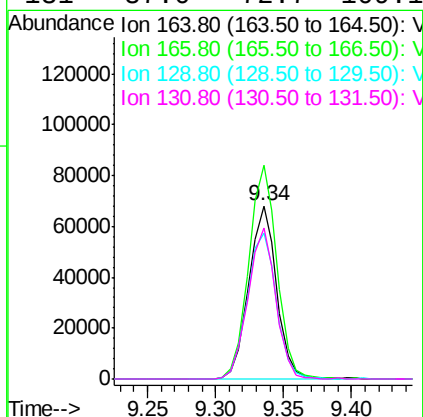
Manual Integrations
APPROVED

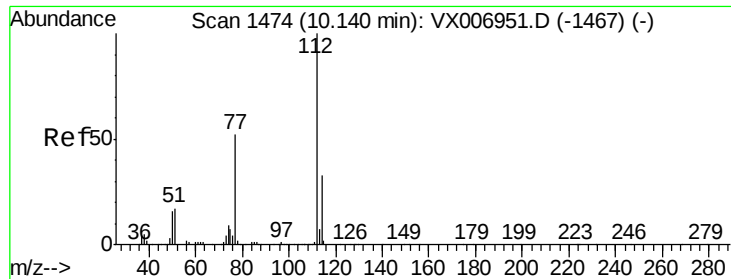
MMDadoda
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#64
Tetrachloroethene
Concen: 17.791 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	102.5	153.7
129	84.6	75.1	112.7
131	87.0	72.7	109.1





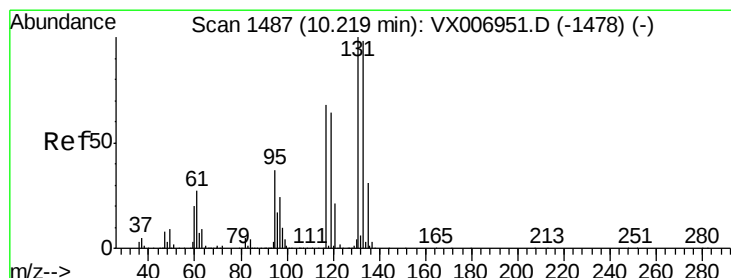
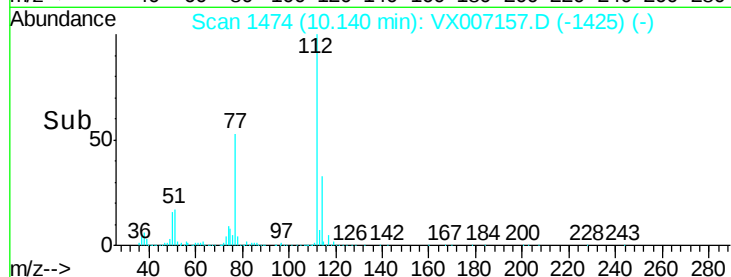
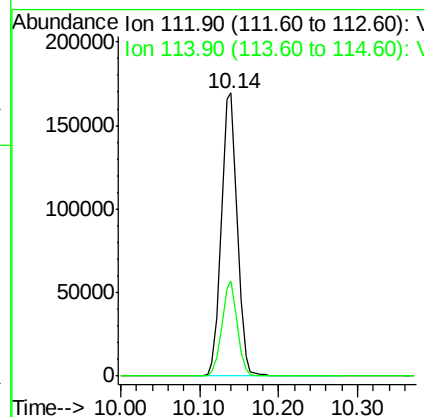
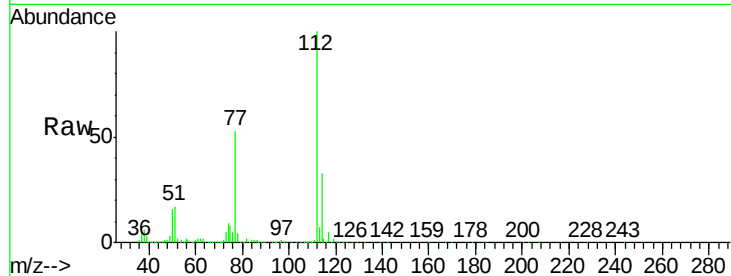
#65
Chlorobenzene
Concen: 17.427 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion:112 Resp: 239657
Ion Ratio Lower Upper
112 100
114 33.5 25.7 38.5

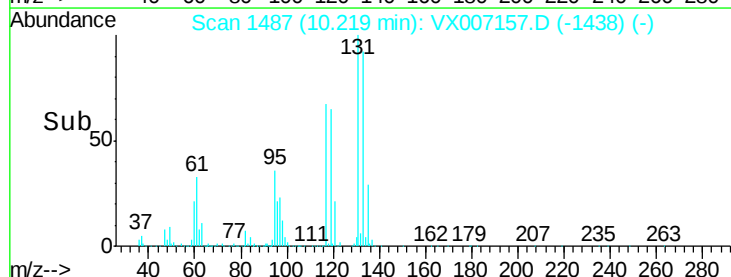
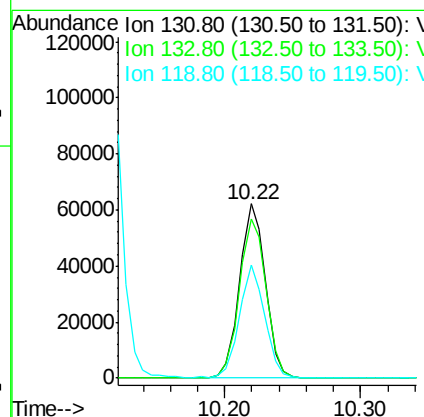
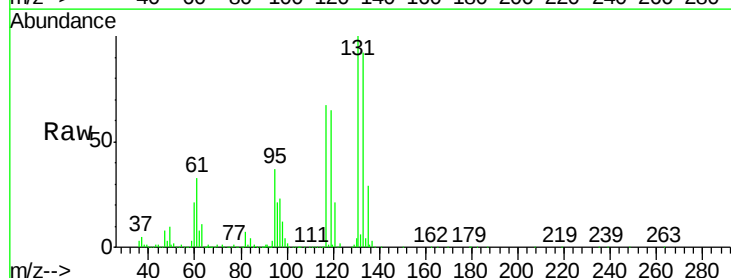
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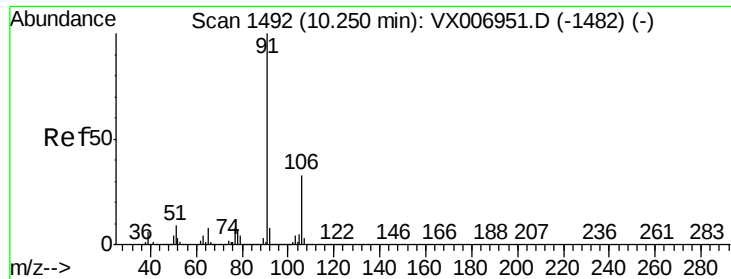
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.777 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion:131 Resp: 82240
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.2
119 63.8 32.6 97.8





#67

Ethyl Benzene

Concen: 17.241 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion: 91 Resp: 391410

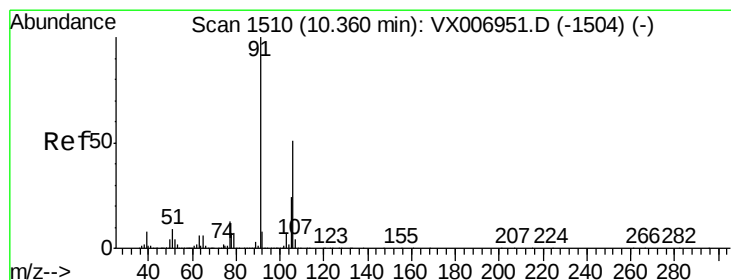
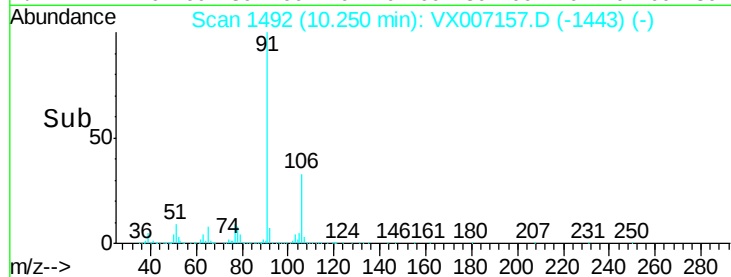
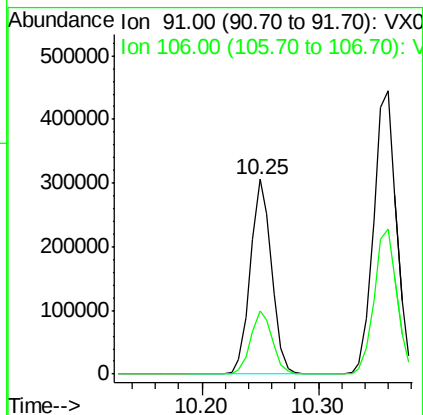
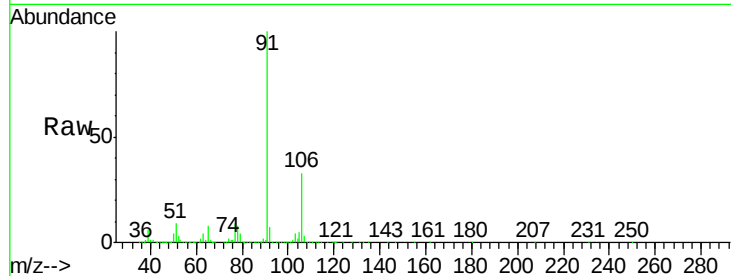
Ion Ratio Lower Upper

91 100

106 32.8 26.4 39.6

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 34.758 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007157.D

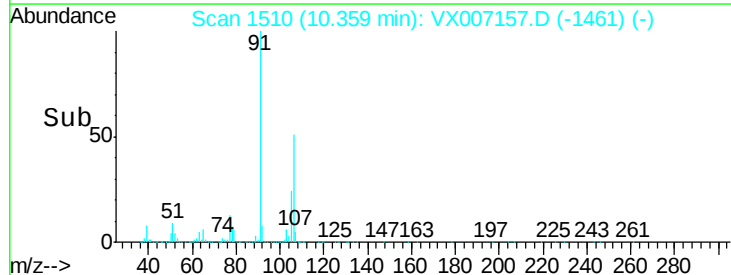
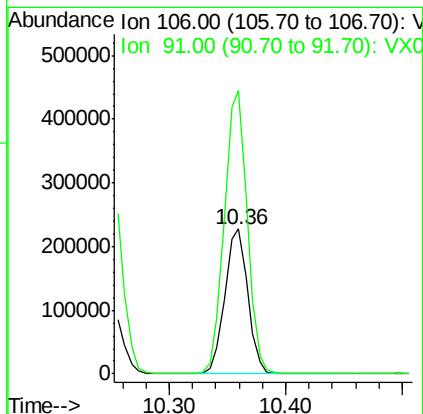
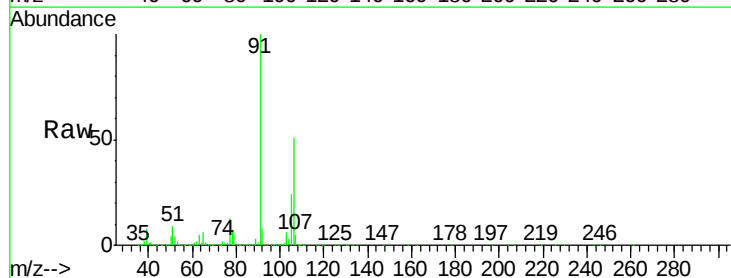
Acq: 21 Jan 2019 14:29

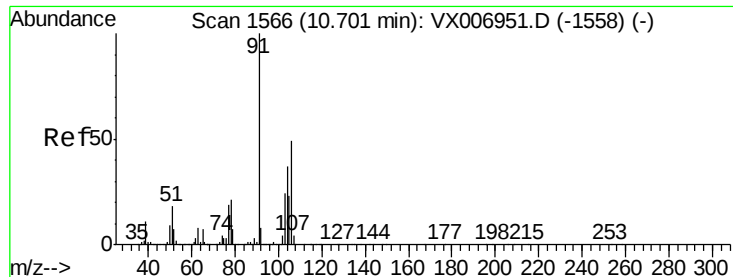
Tgt Ion: 106 Resp: 310895

Ion Ratio Lower Upper

106 100

91 194.4 155.8 233.6





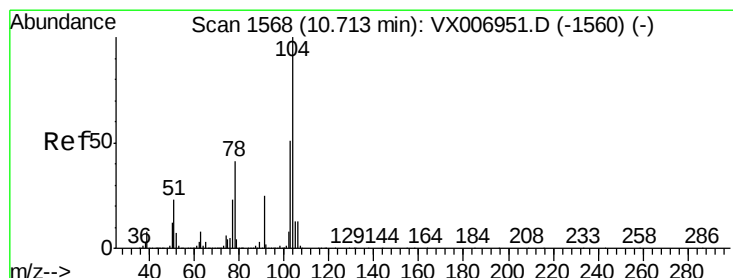
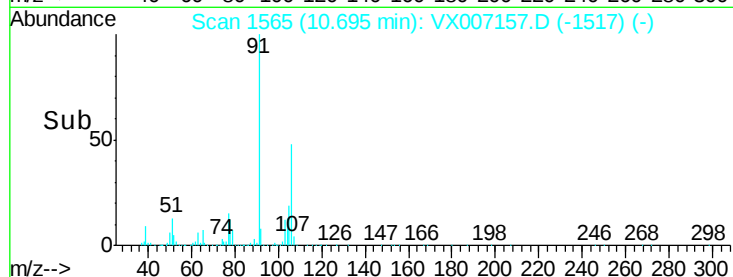
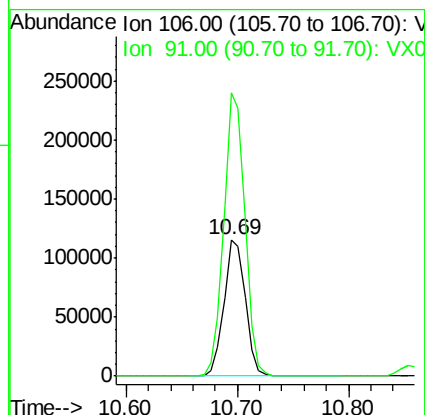
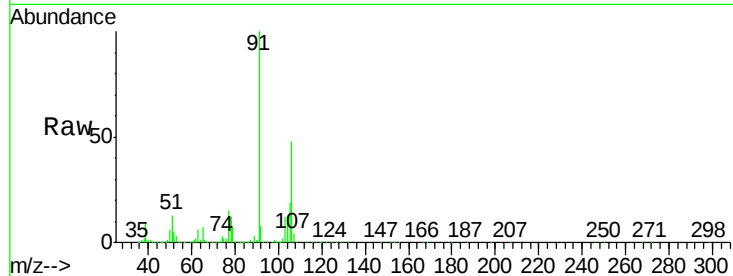
#69
o-Xylene
Concen: 17.629 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampled :
VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.7	101.3	303.7

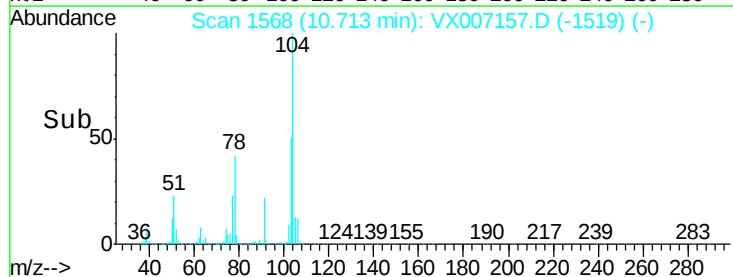
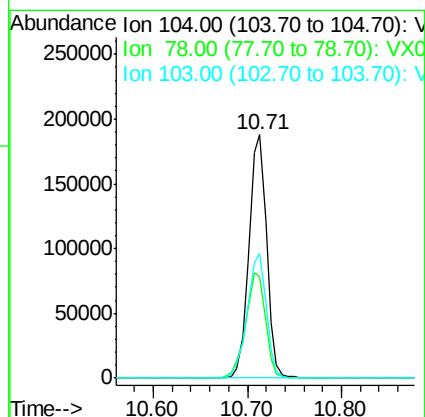
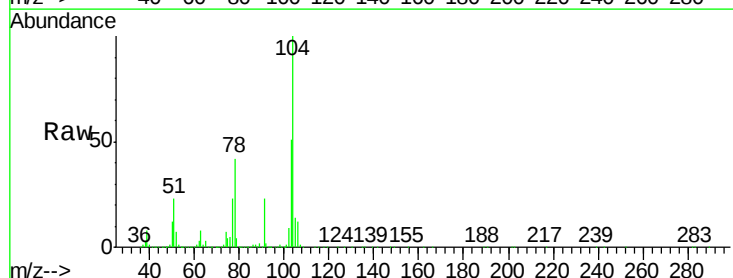
Manual Integrations
APPROVED

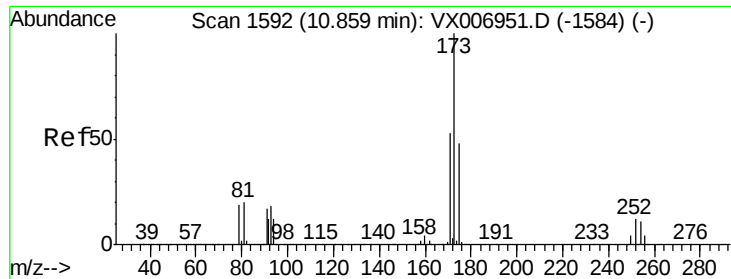
MMDadoda
1/22/2019 10:56:15 AM



#70
Styrene
Concen: 17.872 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	37.7	56.5
103	55.3	43.8	65.8





#71

Bromoform

Concen: 17.462 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion:173 Resp: 58210

Ion Ratio Lower Upper

173 100

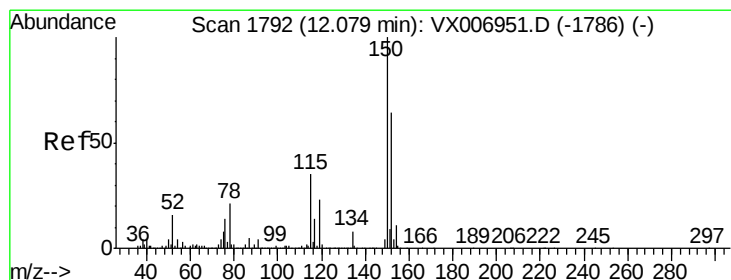
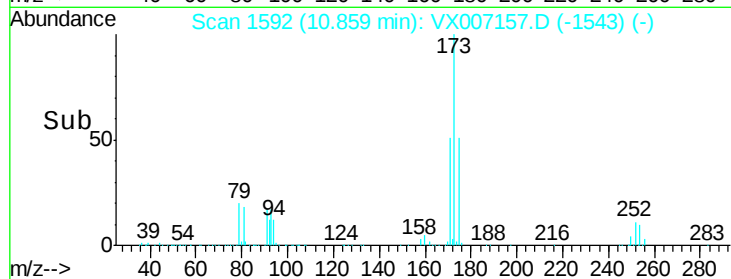
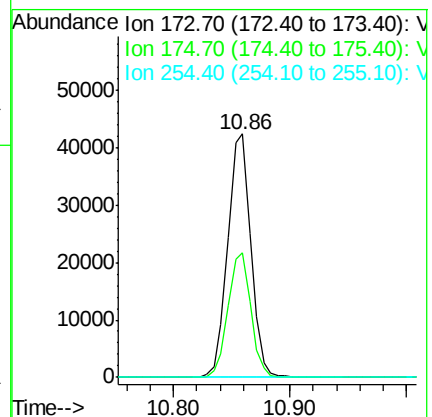
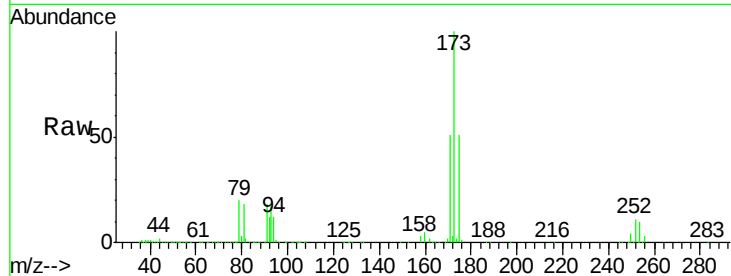
175 50.6 24.7 74.1

254 0.3 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

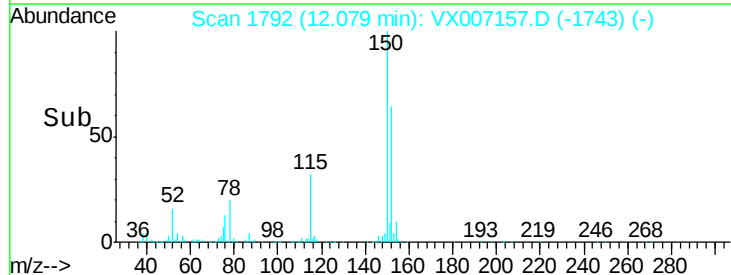
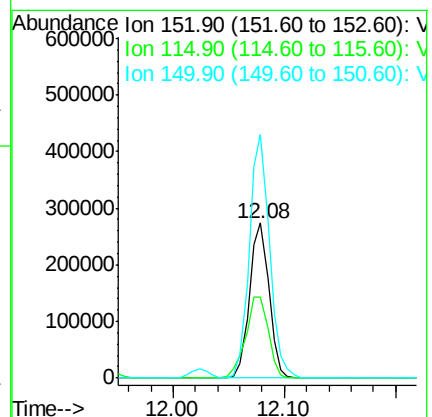
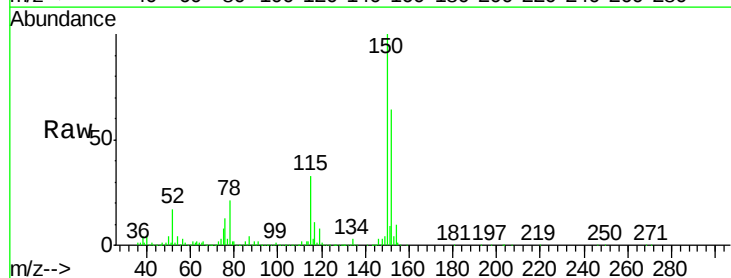
Tgt Ion:152 Resp: 331312

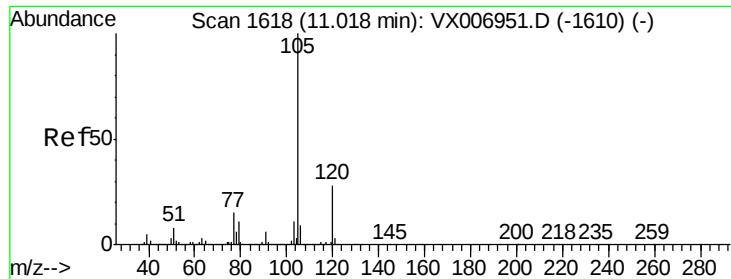
Ion Ratio Lower Upper

152 100

115 61.7 39.1 117.2

150 162.7 0.0 344.8





#73

Isopropylbenzene

Concen: 17.392 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion:105 Resp: 406313

Ion Ratio Lower Upper

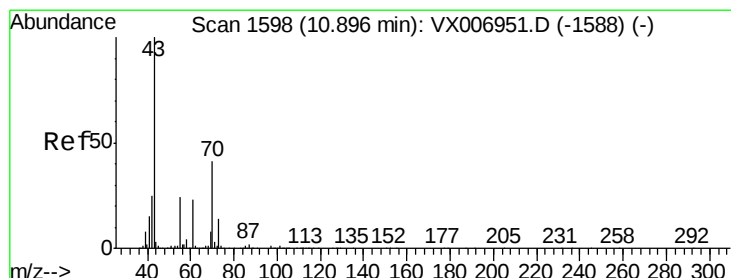
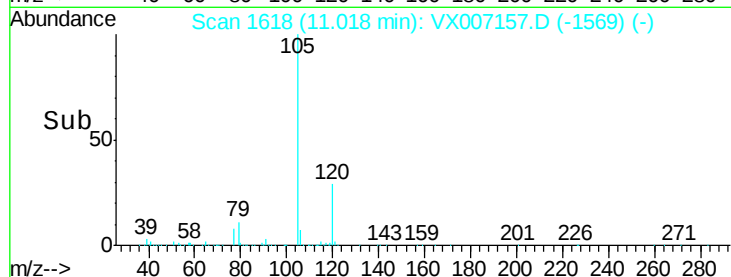
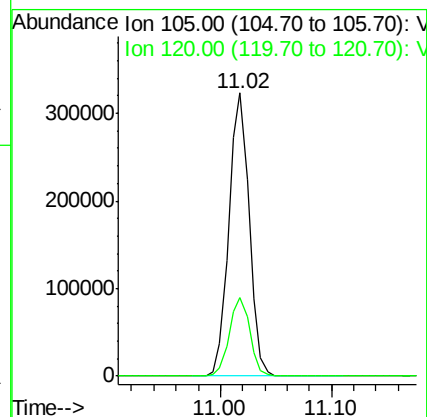
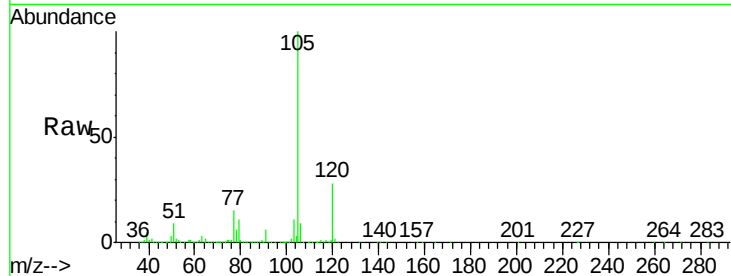
105 100

120 27.9 14.1 42.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 16.653 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Tgt Ion: 43 Resp: 156638

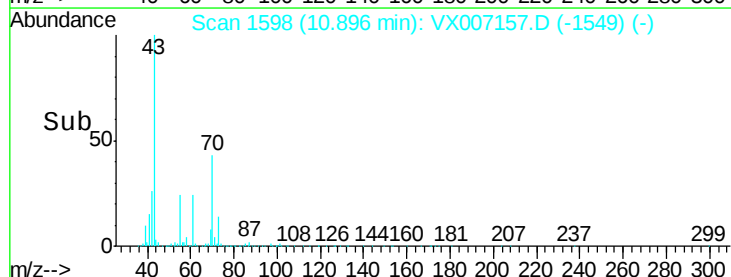
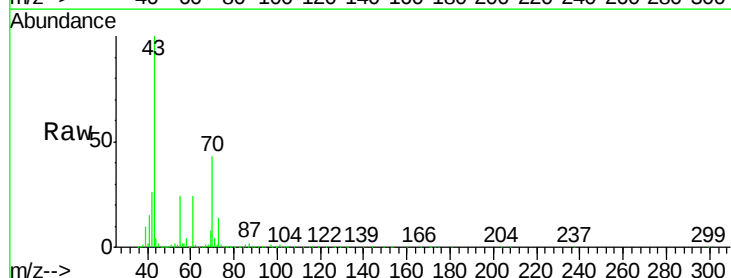
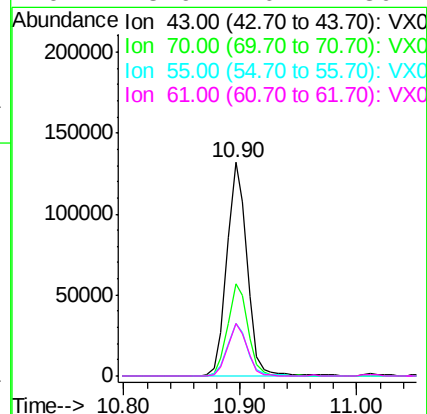
Ion Ratio Lower Upper

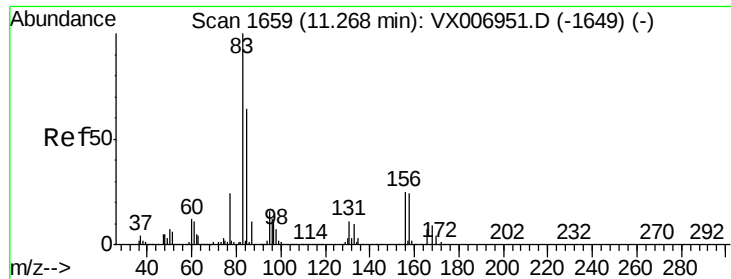
43 100

70 44.1 35.8 53.8

55 24.6 19.4 29.0

61 23.9 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.241 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion: 83 Resp: 127873

Ion Ratio Lower Upper

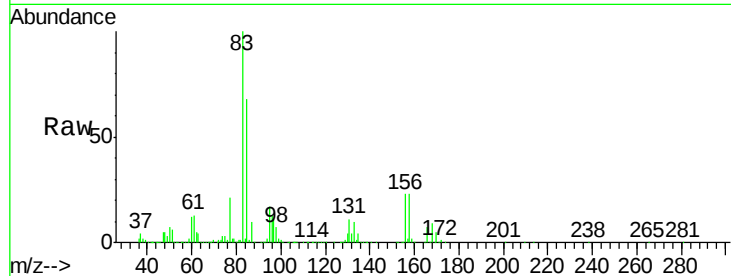
83 100

131 10.9 5.7 17.1

85 64.6 32.2 96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.27

120000

100000

80000

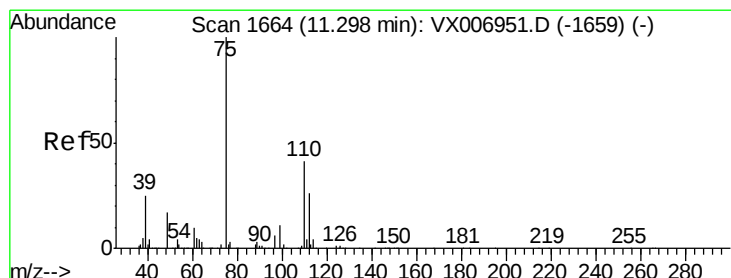
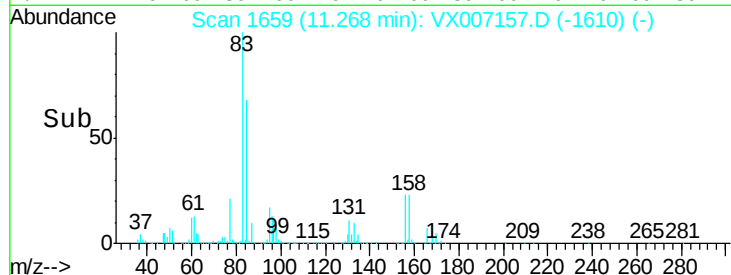
60000

40000

20000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 17.755 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007157.D

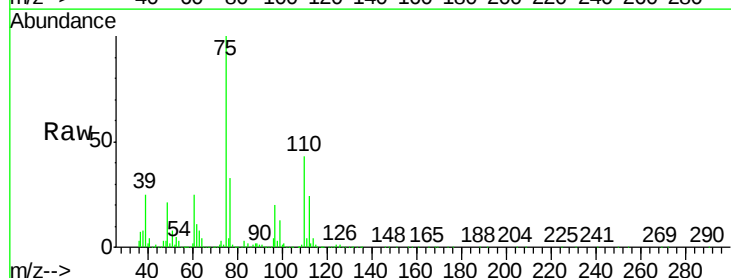
Acq: 21 Jan 2019 14:29

Tgt Ion: 75 Resp: 119207

Ion Ratio Lower Upper

75 100

77 38.8 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

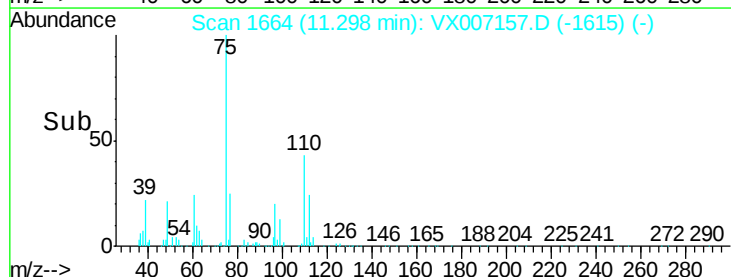
11.30

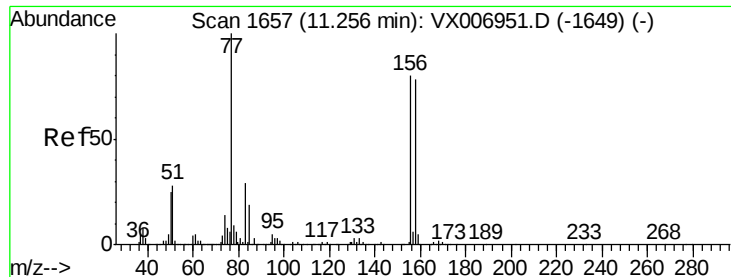
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 17.371 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

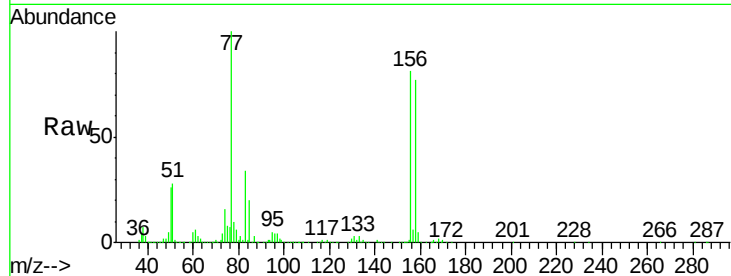
ClientSampleId :

VX0121WBSD01

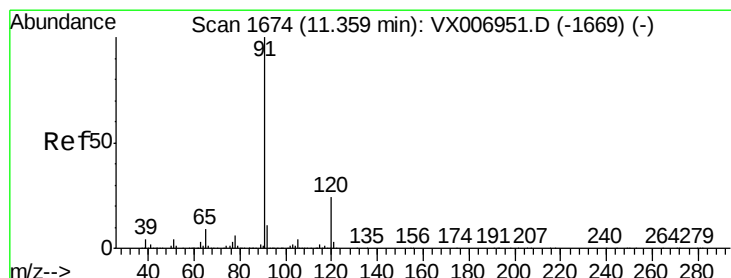
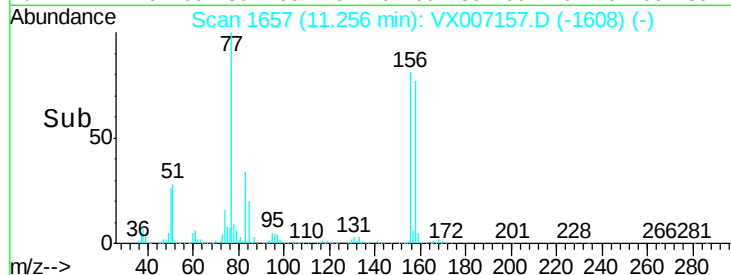
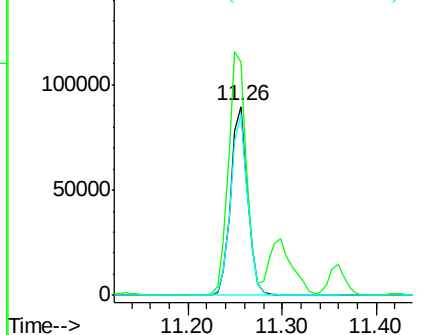
Tot Ion:	156	Resp:	111820
Ion Ratio	Lower	Upper	
156	100		
77	135.2	68.0	204.0
158	96.5	48.3	144.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.548 ug/l

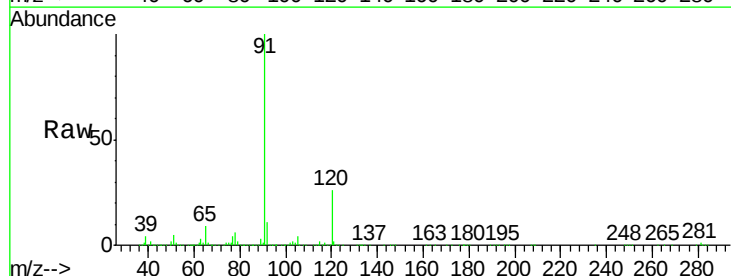
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

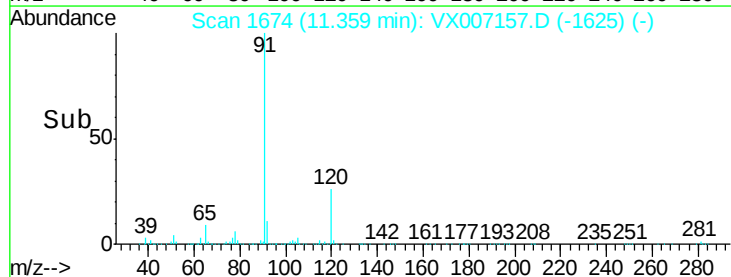
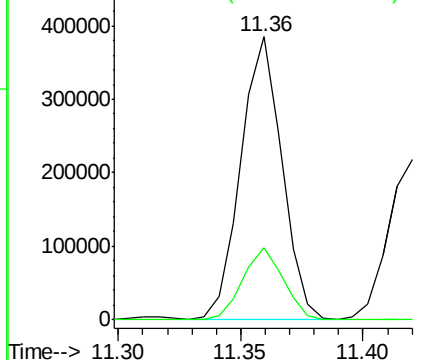
Lab File: VX007157.D

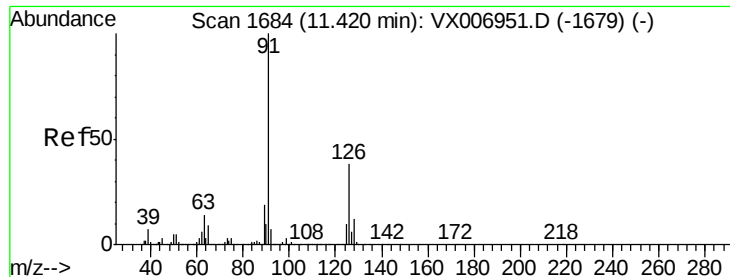
Acq: 21 Jan 2019 14:29

Tgt Ion:	91	Resp:	450059
Ion Ratio	Lower	Upper	
91	100		
120	25.4	12.7	38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.634 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion: 91 Resp: 272240

Ion Ratio Lower Upper

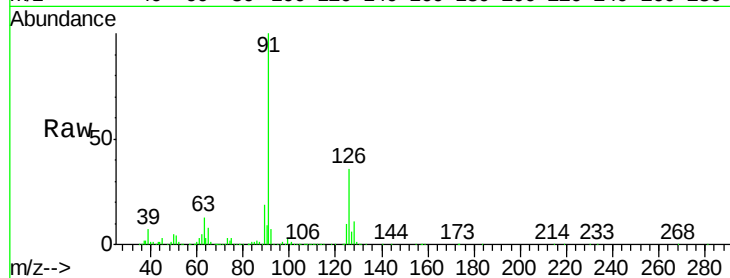
91 100

126 36.5 18.6 56.0

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Abundance Ion 91.00 (90.70 to 91.70): VX006951.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006951.D (-1679) (-)

400000

300000

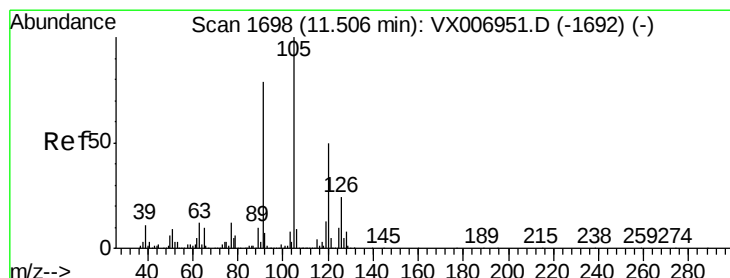
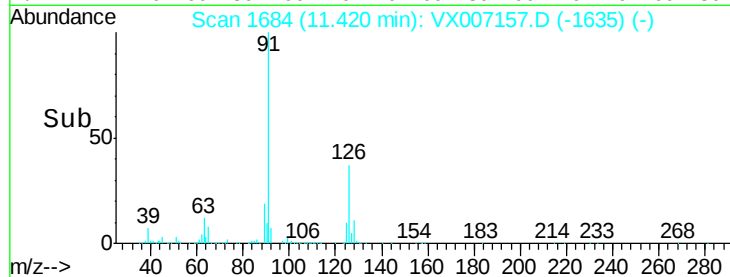
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.316 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007157.D

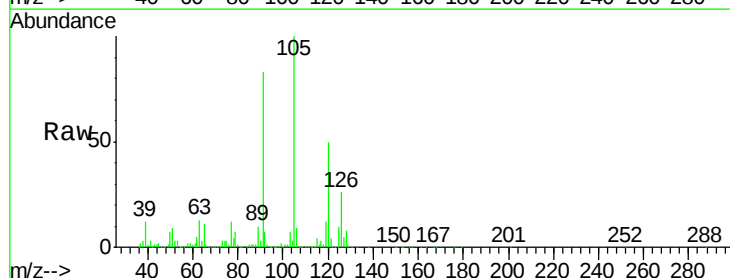
Acq: 21 Jan 2019 14:29

Tgt Ion: 105 Resp: 338026

Ion Ratio Lower Upper

105 100

120 49.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006951.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006951.D (-1692) (-)

300000

250000

200000

150000

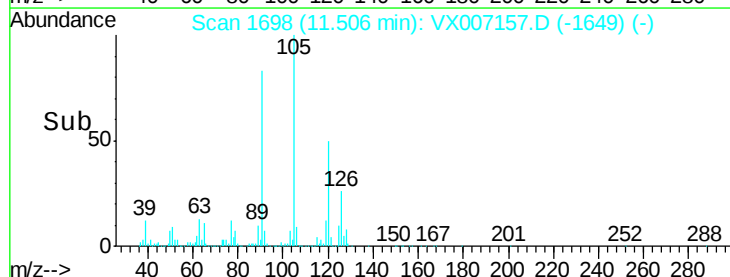
100000

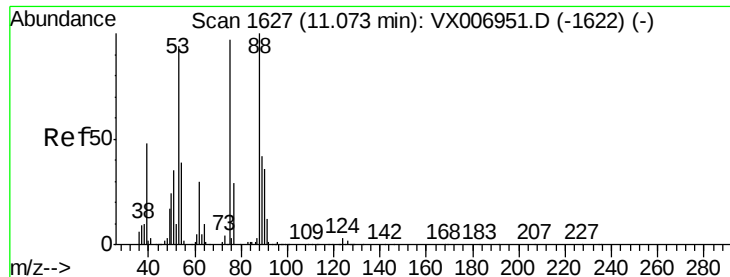
50000

0

11.45 11.50 11.55

Time-->





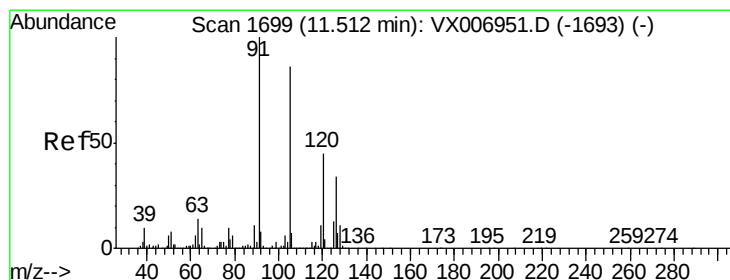
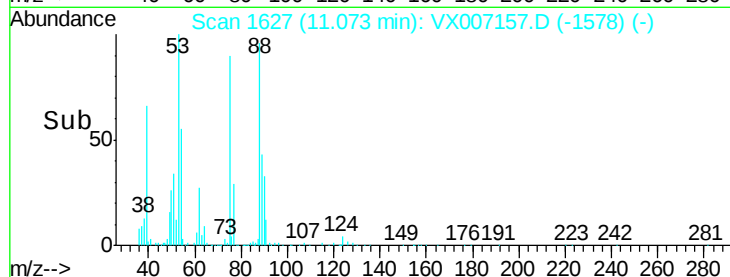
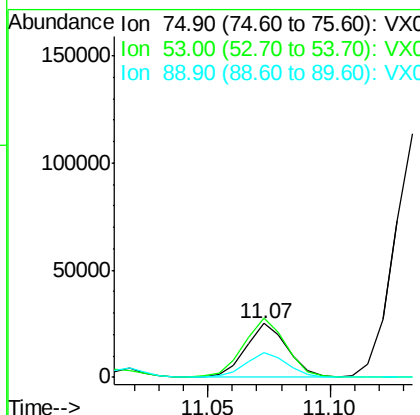
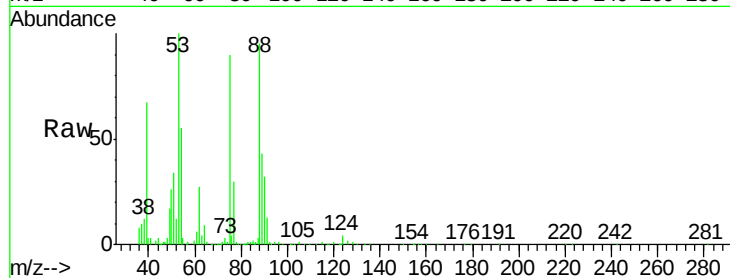
#81
trans-1,4-Dichloro-2-butene
Concen: 15.919 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.3	79.7	119.5
89	49.8	38.0	57.0

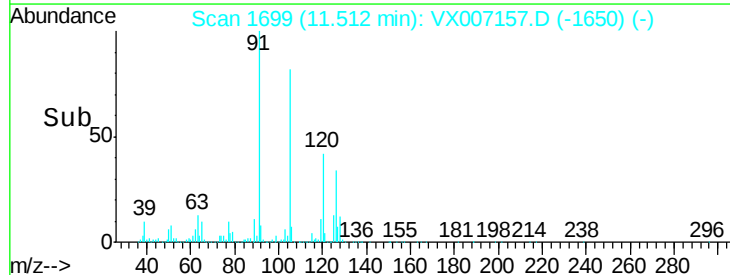
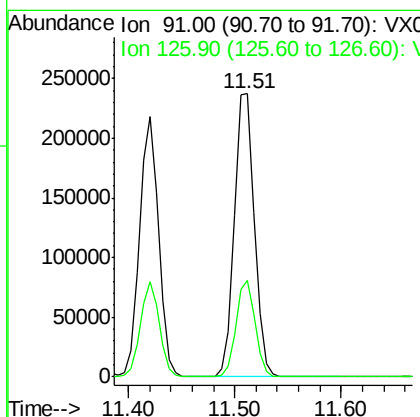
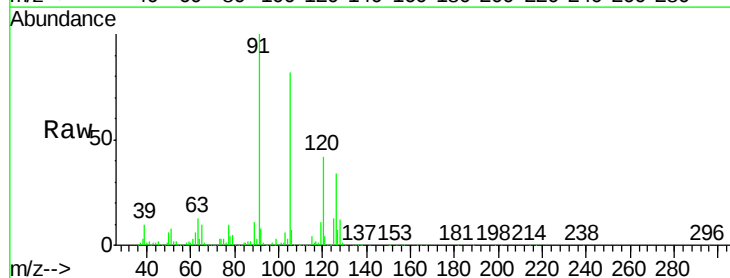
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#82
4-Chlorotoluene
Concen: 17.617 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.9





#83

tert-Butylbenzene

Concen: 17.042 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

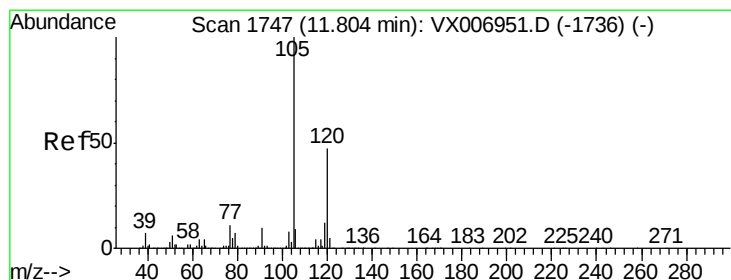
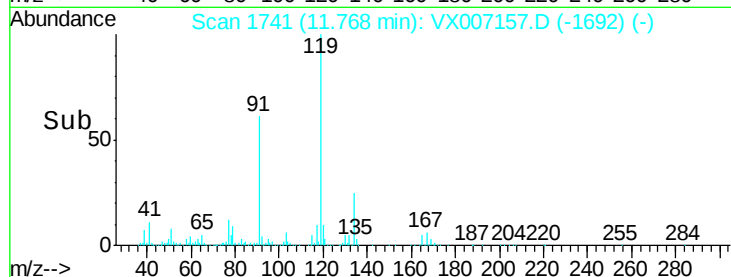
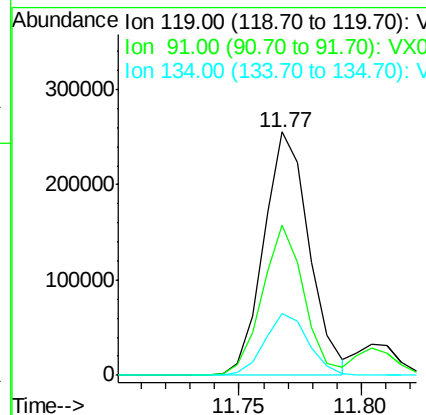
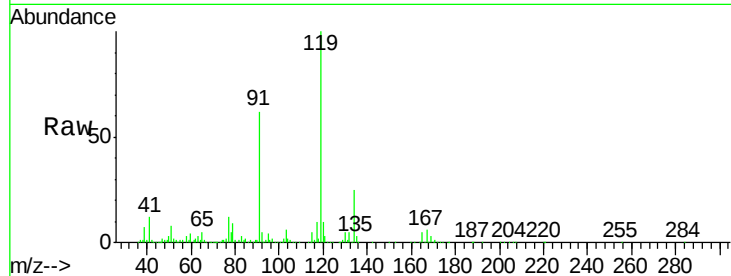
ClientSampleId :

VX0121WBSD01

Tot Ion:	119	Resp:	331919
Ion Ratio	Lower	Upper	
119	100		
91	56.7	27.7	83.1
134	24.4	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 17.614 ug/l

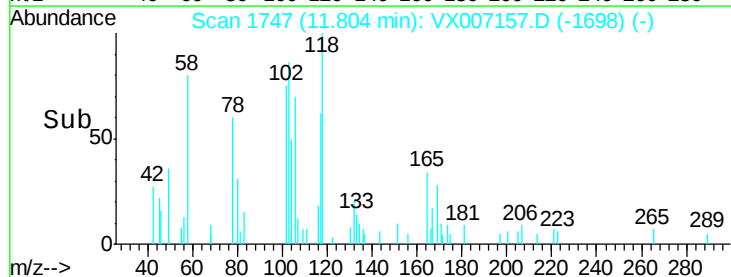
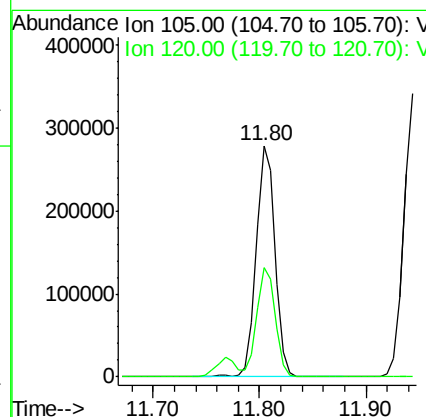
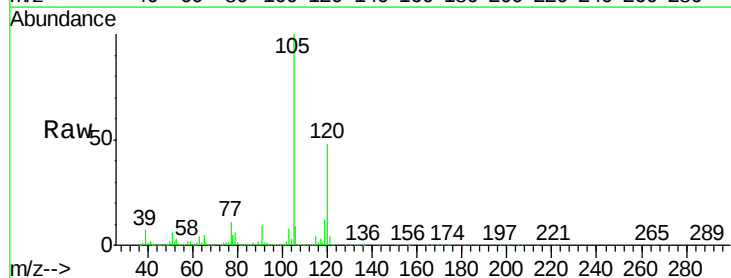
RT: 11.80 min Scan# 1747

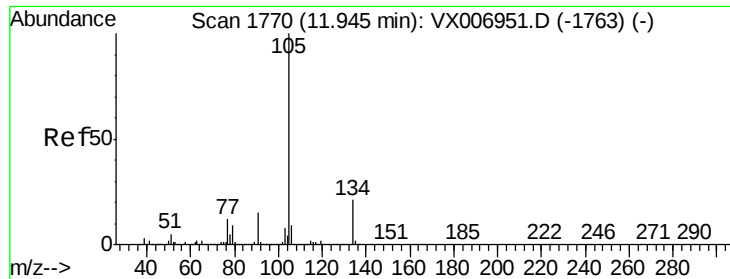
Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Tgt Ion:	105	Resp:	345768
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.2	69.6





#85

sec-Butylbenzene

Concen: 17.576 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0121WBSD01

Tot Ion:105 Resp: 408813

Ion Ratio Lower Upper

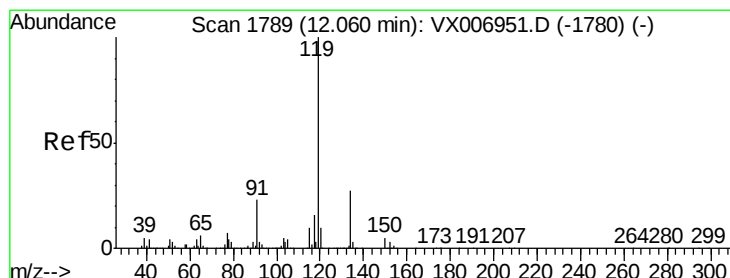
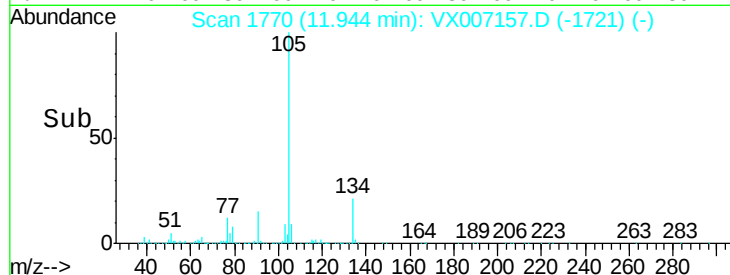
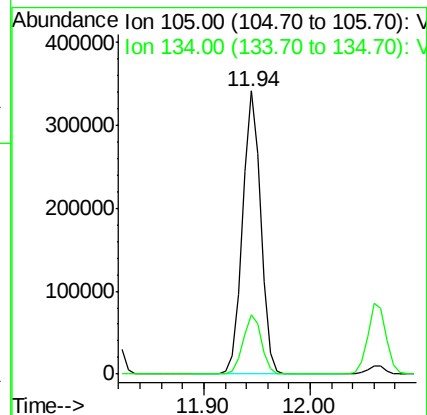
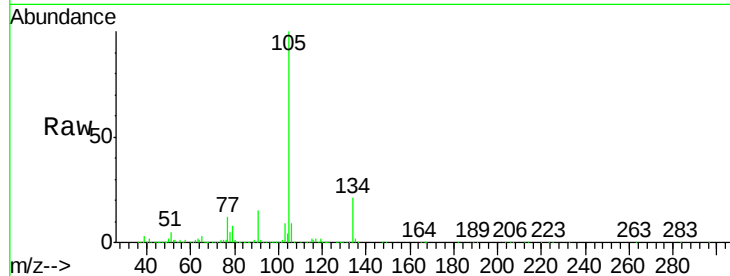
105 100

134 21.4 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 17.683 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

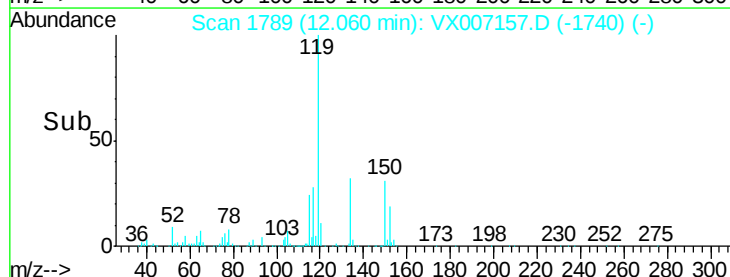
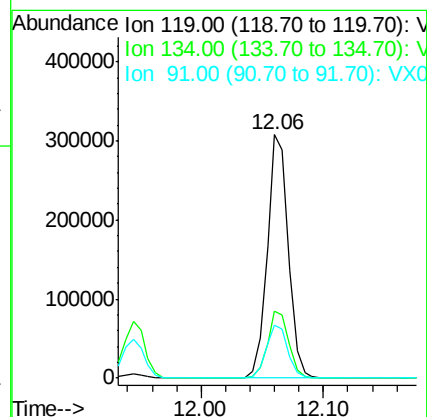
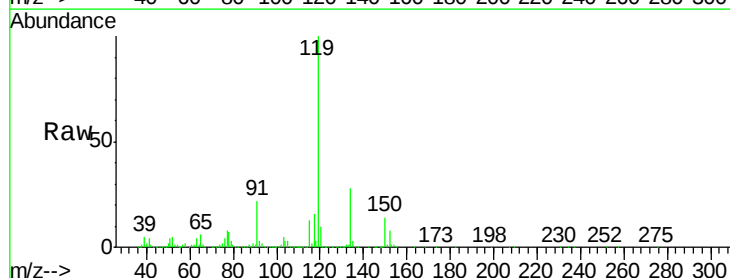
Tgt Ion:119 Resp: 367912

Ion Ratio Lower Upper

119 100

134 27.9 14.0 41.9

91 22.6 11.3 33.9





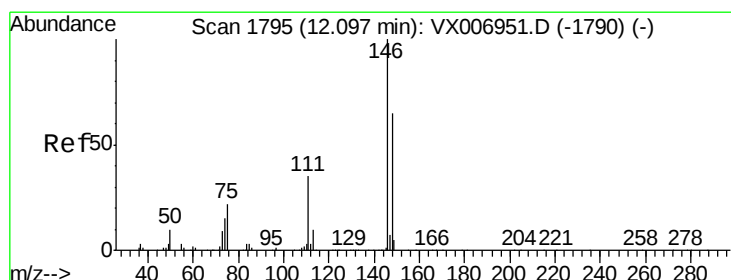
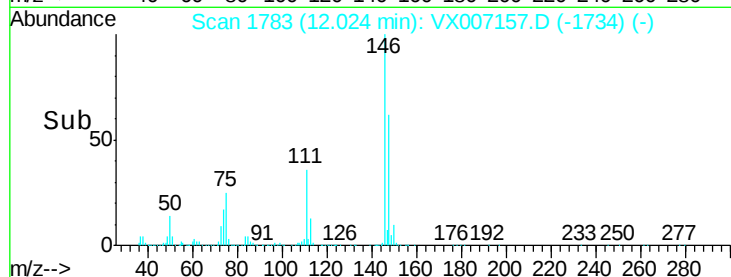
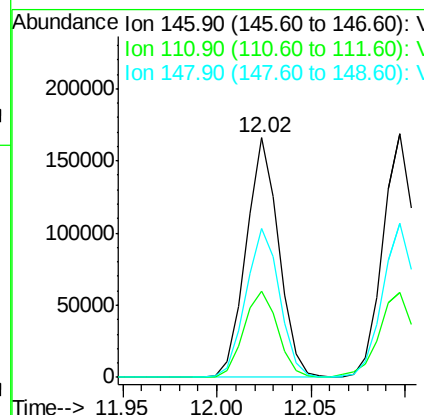
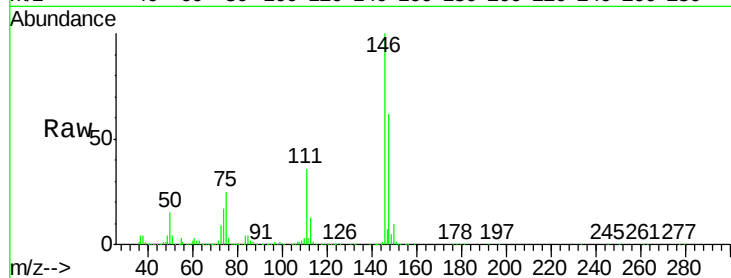
#87
 1,3-Dichlorobenzene
 Concen: 17.122 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	64.2	31.8	95.3

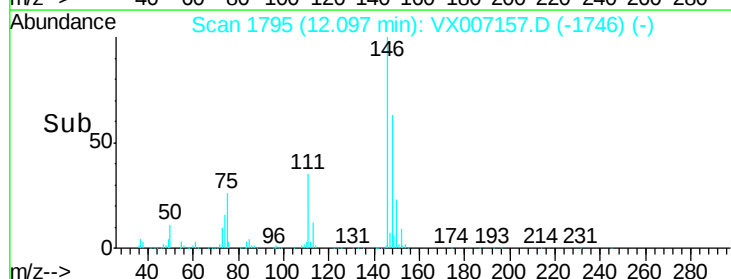
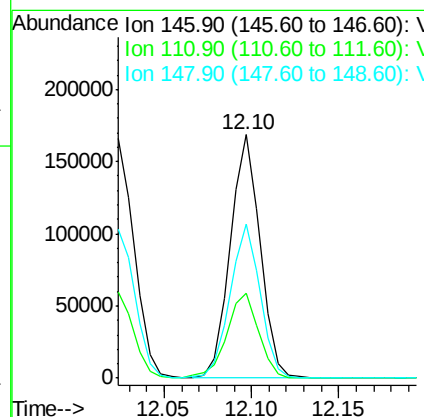
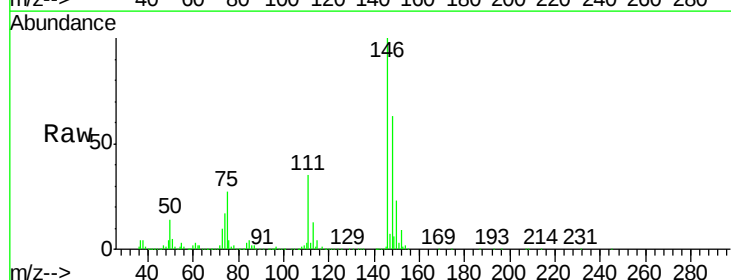
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#88
 1,4-Dichlorobenzene
 Concen: 18.204 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	64.4	31.9	95.9





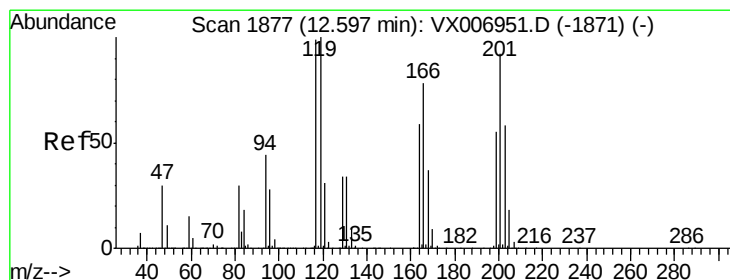
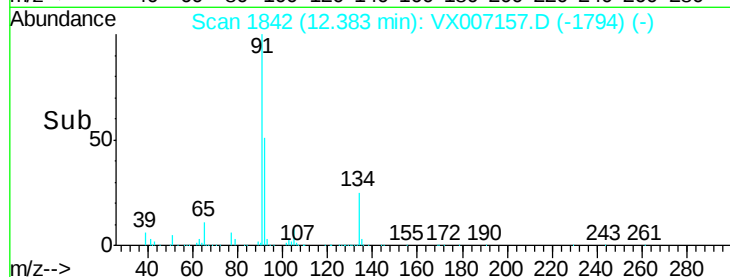
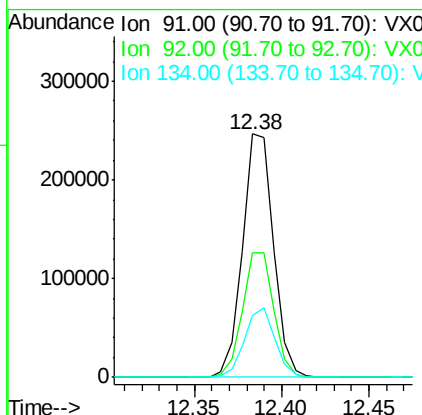
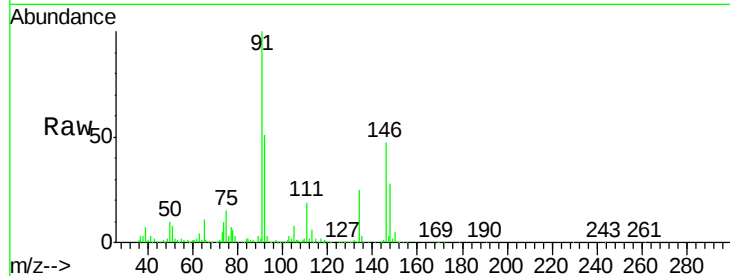
#89
n-Butylbenzene
Concen: 17.095 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0121WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.8	80.4
134	27.9	14.4	43.2

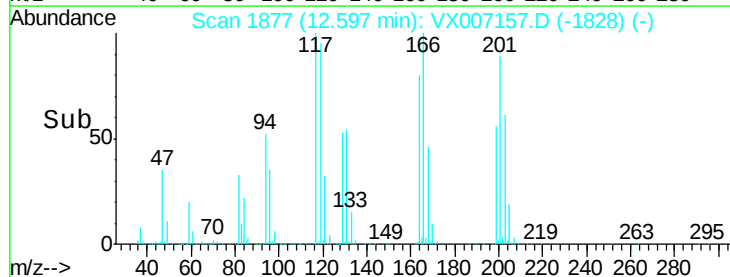
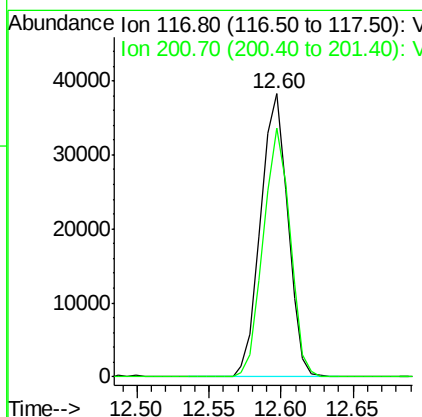
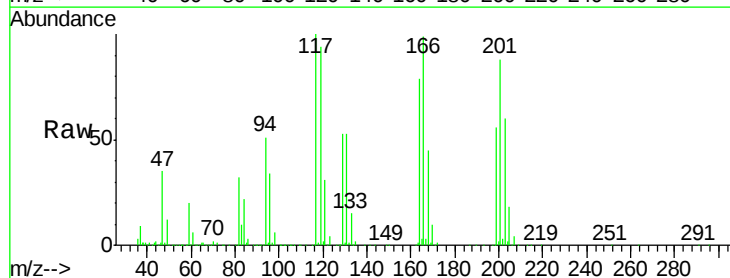
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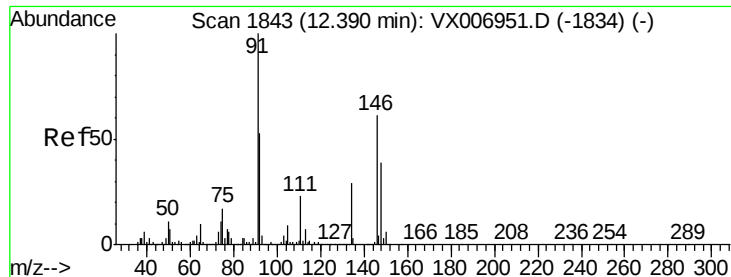
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#90
Hexachloroethane
Concen: 17.112 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007157.D
Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	42.9	128.7





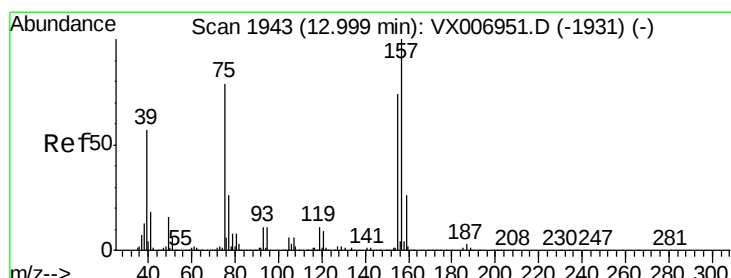
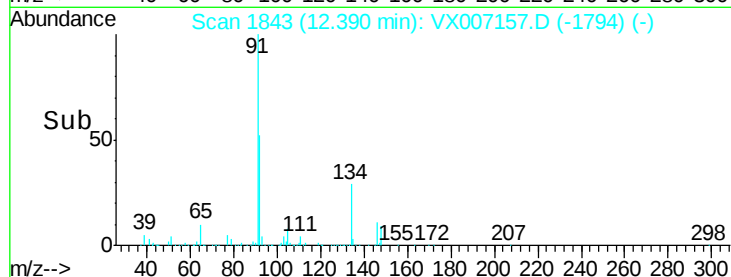
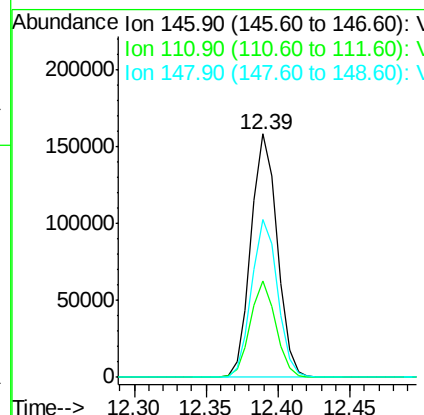
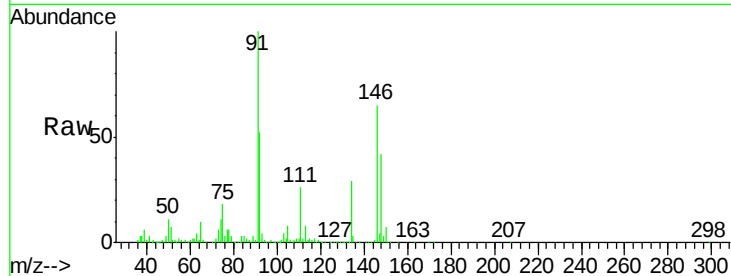
#91
 1,2-Dichlorobenzene
 Concen: 17.319 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	198854		
111	38.6	19.4	58.2	
148	64.4	32.3	96.9	

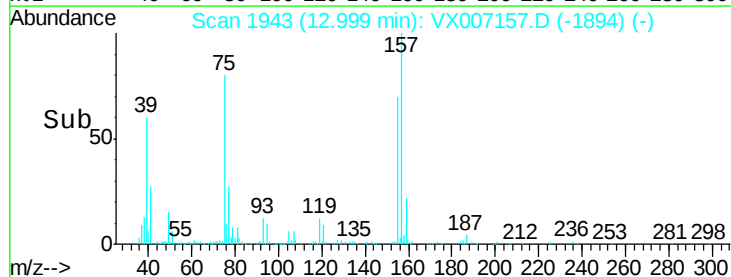
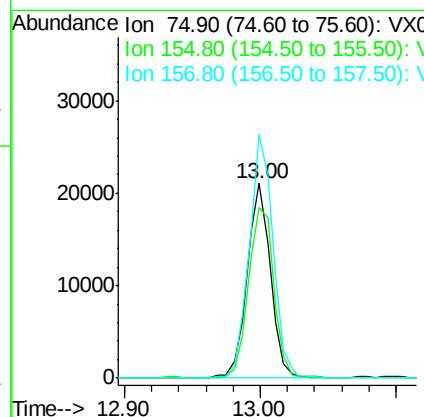
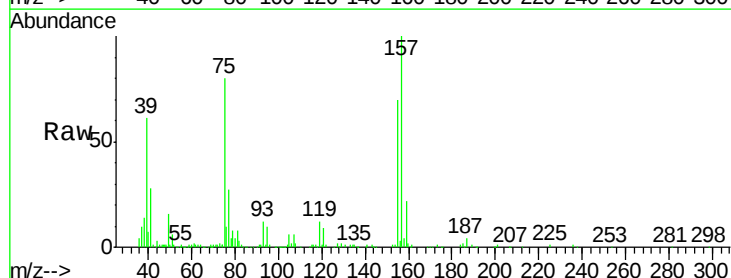
Manual Integrations
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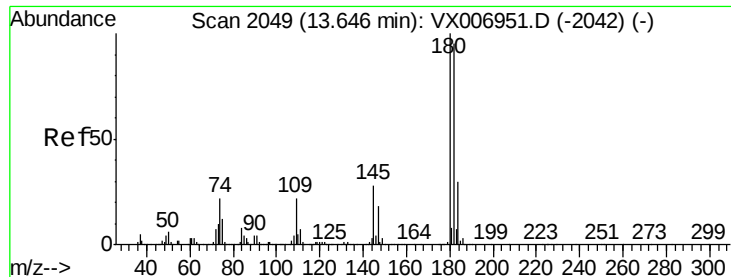
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.256 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25312		
155	95.0	50.6	151.8	
157	128.1	64.6	193.8	





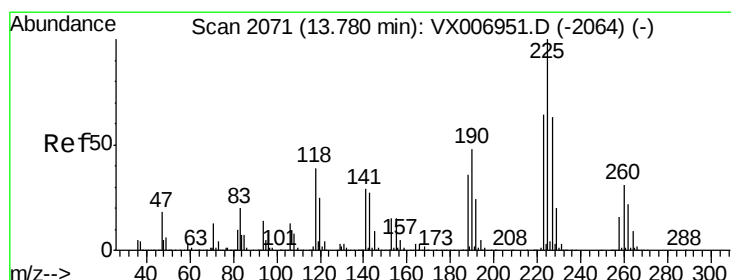
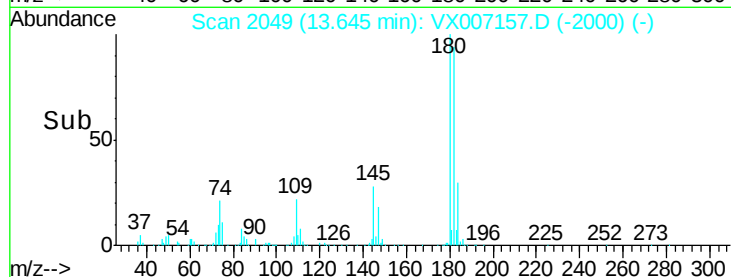
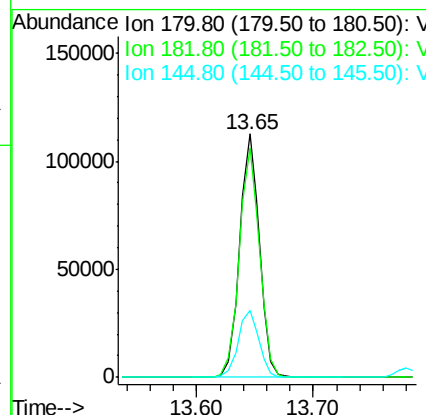
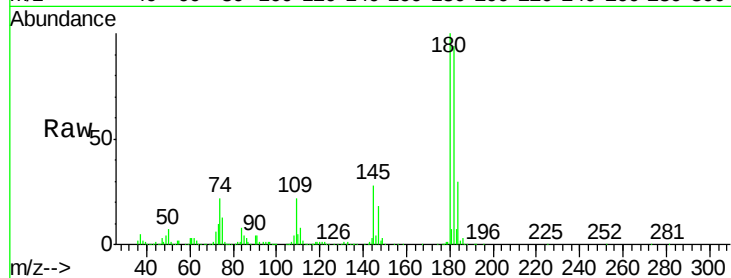
#93
 1,2,4-Trichlorobenzene
 Concen: 16.960 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0121WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	47.3	142.0	
145	28.6	14.8	44.3	

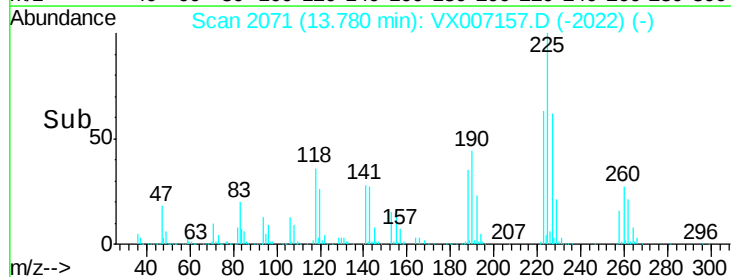
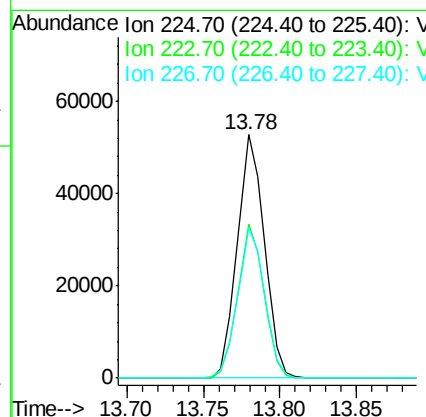
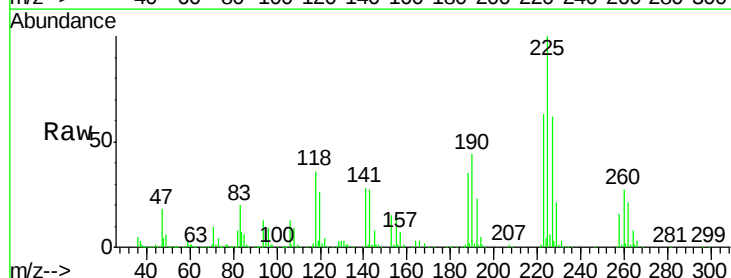
Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:56:15 AM



#94
 Hexachlorobutadiene
 Concen: 18.544 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007157.D
 Acq: 21 Jan 2019 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.1	32.1	96.3	
227	61.4	32.3	96.8	





#95

Naphthalene

Concen: 17.085 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Instrument :

MSVOA_X

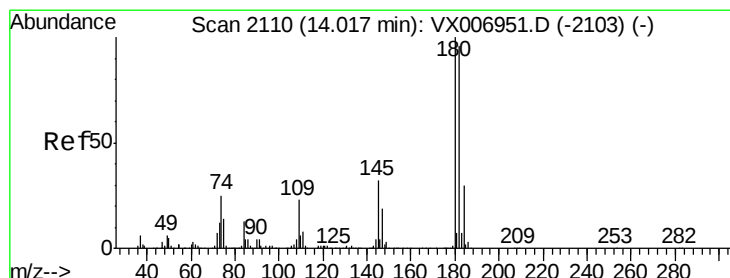
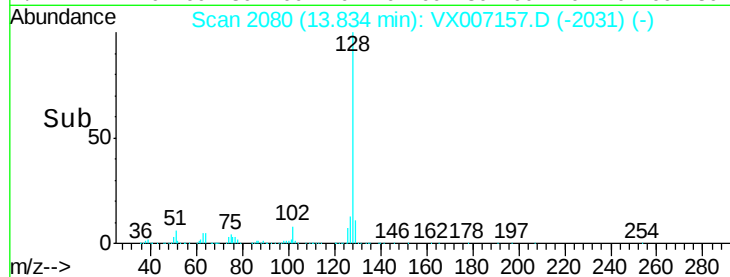
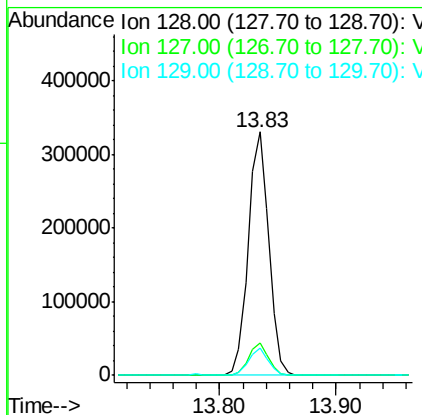
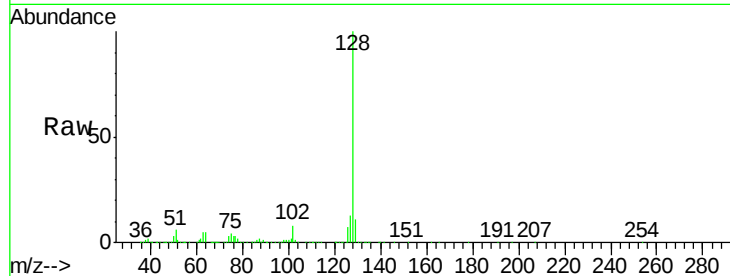
ClientSampleId :

VX0121WBSD01

Tot Ion:	128	Resp:	407830
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:56:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.231 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007157.D

Acq: 21 Jan 2019 14:29

Tgt Ion:	180	Resp:	134843
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.5	145.5
145	29.7	16.0	47.9

