

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022519\
 Data File : VX007687.D
 Acq On : 26 Feb 2019 00:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/26/2019 3:04:59 PM

Quant Time: Feb 26 04:48:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	286815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	467710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	453605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	231287	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	189912	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
35) Dibromofluoromethane	5.50	113	165959	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	8.71	98	596092	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.13	95	228176	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	110919	41.981	ug/l	96
3) Chloromethane	1.33	50	142309	48.605	ug/l	98
4) Vinyl Chloride	1.41	62	128883	42.906	ug/l	99
5) Bromomethane	1.64	94	102880	54.515	ug/l	99
6) Chloroethane	1.72	64	88765	46.253	ug/l	99
7) Trichlorofluoromethane	1.93	101	189956	41.251	ug/l	97
8) Diethyl Ether	2.19	74	100713	53.291	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	113258	40.693	ug/l	93
10) Methyl Iodide	2.51	142	182307	52.604	ug/l	98
11) Tert butyl alcohol	3.07	59	182232	270.343	ug/l	99
12) 1,1-Dichloroethene	2.37	96	112744	44.939	ug/l	99
13) Acrolein	2.29	56	139818	233.422	ug/l	100
14) Allyl chloride	2.73	41	220618	47.558	ug/l	98
15) Acrylonitrile	3.15	53	440102	277.438	ug/l	99
16) Acetone	2.45	43	383595	242.797	ug/l	97
17) Carbon Disulfide	2.57	76	311773	44.668	ug/l	99
18) Methyl Acetate	2.78	43	192862	55.942	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	479209	54.851	ug/l	99
20) Methylene Chloride	2.86	84	153957	52.773	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	130726	47.930	ug/l	96
22) Diisopropyl ether	3.87	45	499512	51.726	ug/l	96
23) Vinyl Acetate	3.82	43	2224946	262.609	ug/l	98
24) 1,1-Dichloroethane	3.70	63	254281	48.450	ug/l	97
25) 2-Butanone	4.70	43	648089	269.297	ug/l	100
26) 2,2-Dichloropropane	4.59	77	144171	34.414	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	179329	51.673	ug/l	96
28) Bromochloromethane	5.01	49	133570	52.278	ug/l	96
29) Tetrahydrofuran	5.15	42	429120	270.505	ug/l	99
30) Chloroform	5.21	83	292026	51.945	ug/l	99
31) Cyclohexane	5.57	56	200560	40.626	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	215835	46.423	ug/l	98
36) 1,1-Dichloropropene	5.80	75	181939	43.269	ug/l	98
37) Ethyl Acetate	4.85	43	249077	53.325	ug/l	99
38) Carbon Tetrachloride	5.78	117	180191	42.660	ug/l	98

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Quant Time: Feb 26 04:48:34 2019
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	211889	39.871	ug/l	97
40) Benzene	6.14	78	642483	49.497	ug/l	98
41) Methacrylonitrile	5.06	41	135884	54.480	ug/l	97
42) 1,2-Dichloroethane	6.20	62	231067	52.963	ug/l	99
43) Isopropyl Acetate	6.46	43	392282	54.568	ug/l	99
44) Trichloroethene	7.21	130	166833	46.723	ug/l	95
45) 1,2-Dichloropropane	7.51	63	170175	50.611	ug/l	100
46) Dibromomethane	7.66	93	121504	51.798	ug/l	94
47) Bromodichloromethane	7.90	83	216267	53.201	ug/l	99
48) Methyl methacrylate	7.77	41	200150	53.115	ug/l	99
49) 1,4-Dioxane	7.75	88	86131	1058.275	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1320914	274.502	ug/l	100
52) Toluene	8.78	92	404351	49.401	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	236584	46.992	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	256899	52.077	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	186681	54.693	ug/l	97
56) Ethyl methacrylate	9.18	69	270698	55.769	ug/l	99
57) 1,3-Dichloropropane	9.37	76	292976	53.621	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	698639	261.011	ug/l	99
59) 2-Hexanone	9.49	43	993787	263.053	ug/l	99
60) Dibromochloromethane	9.58	129	185443	56.463	ug/l	97
61) 1,2-Dibromoethane	9.67	107	197417	55.708	ug/l	100
64) Tetrachloroethene	9.33	164	169139	45.931	ug/l	97
65) Chlorobenzene	10.13	112	473776	48.292	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	172333	50.358	ug/l	98
67) Ethyl Benzene	10.25	91	763090	46.954	ug/l	100
68) m/p-Xylenes	10.36	106	596563	94.357	ug/l	99
69) o-Xylene	10.69	106	298227	49.039	ug/l	99
70) Styrene	10.71	104	504199	50.440	ug/l	99
71) Bromoform	10.85	173	134777	52.520	ug/l	99
73) Isopropylbenzene	11.02	105	738128	44.653	ug/l	100
74) N-amyl acetate	10.90	43	365745	50.950	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	269641	47.162	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	262782m	53.303	ug/l	
77) Bromobenzene	11.26	156	207823	50.124	ug/l	92
78) n-propylbenzene	11.36	91	854288	45.734	ug/l	98
79) 2-Chlorotoluene	11.42	91	527350	46.886	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	632837	46.542	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	77100	42.395	ug/l	95
82) 4-Chlorotoluene	11.51	91	613191	46.604	ug/l	98
83) tert-Butylbenzene	11.77	119	595131	45.586	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	656010	47.166	ug/l	99
85) sec-Butylbenzene	11.94	105	726020	44.379	ug/l	99
86) p-Isopropyltoluene	12.06	119	651314	45.460	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	367834	47.828	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	373005	47.357	ug/l	98
89) n-Butylbenzene	12.39	91	563745	44.121	ug/l	99
90) Hexachloroethane	12.60	117	110224	45.660	ug/l	85
91) 1,2-Dichlorobenzene	12.39	146	370927	48.203	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	58472	46.938	ug/l	89

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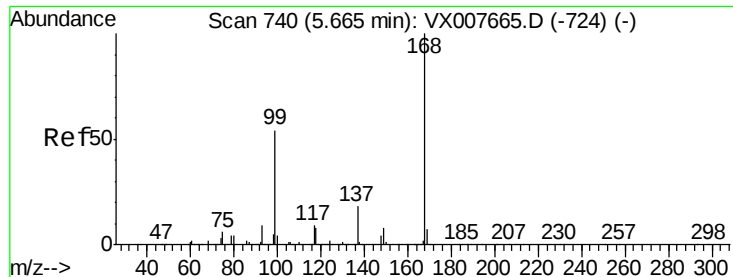
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	242021	51.525	ug/l	98
94) Hexachlorobutadiene	13.78	225	92781	43.178	ug/l	98
95) Naphthalene	13.83	128	831608	54.646	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	242532	51.423	ug/l	99

(#) = 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: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 286815

Ion Ratio Lower Upper

168 100

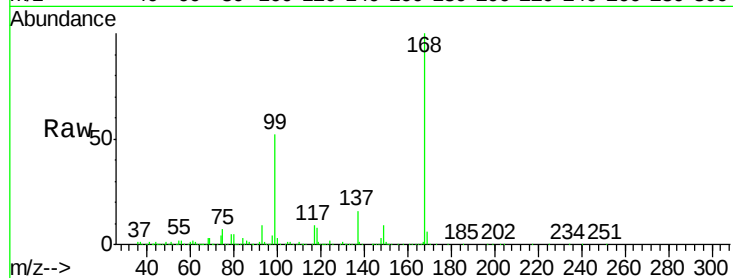
99 52.1 37.9 56.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

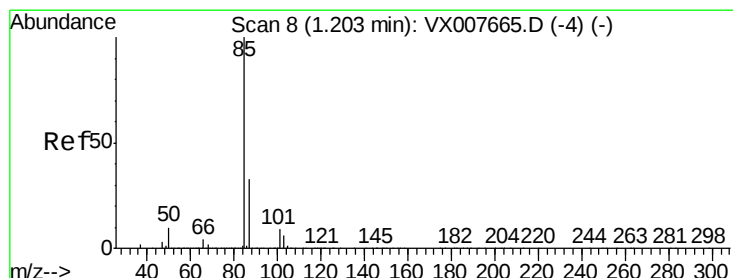
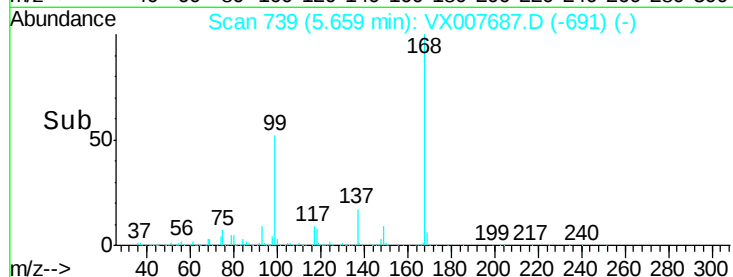
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.981 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX007687.D

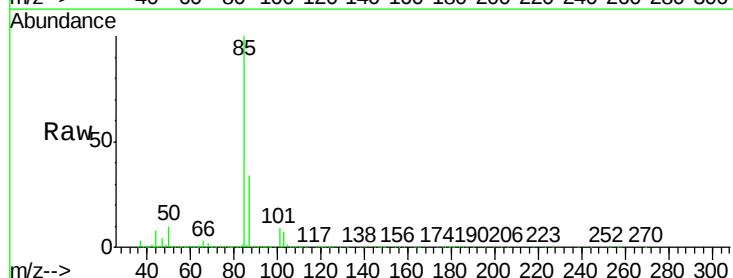
Acq: 26 Feb 2019 00:49

Tgt Ion: 85 Resp: 110919

Ion Ratio Lower Upper

85 100

87 33.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

40000

20000

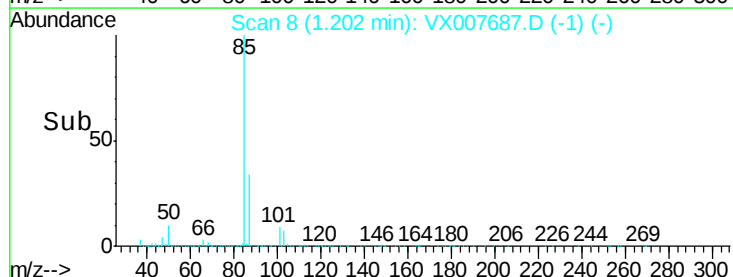
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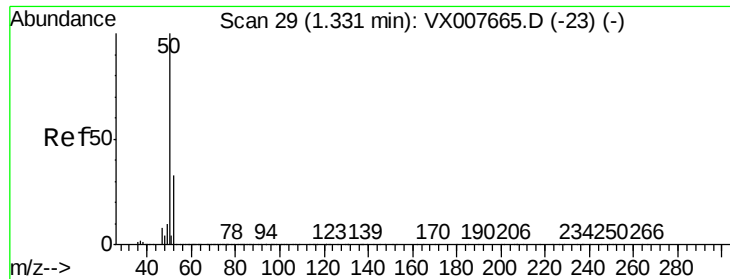
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 48.605 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 142309

Ion Ratio Lower Upper

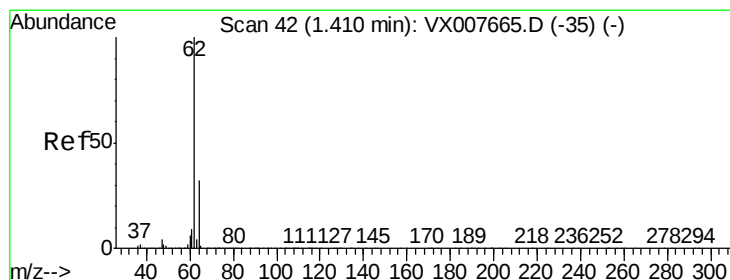
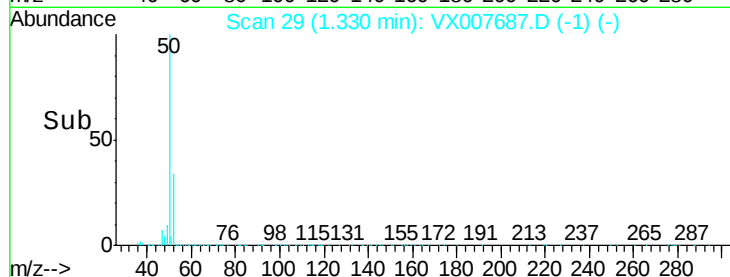
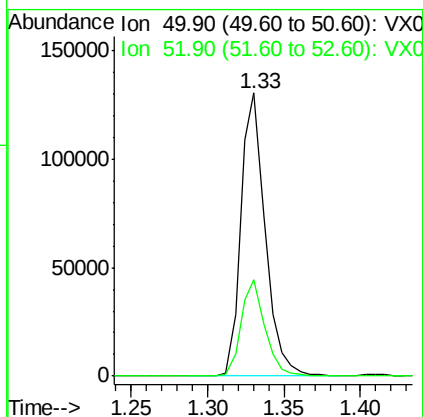
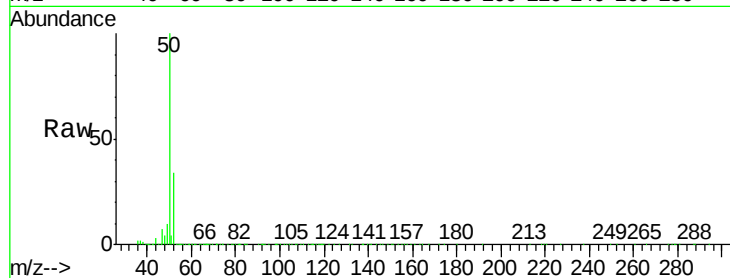
50 100

52 33.8 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 42.906 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007687.D

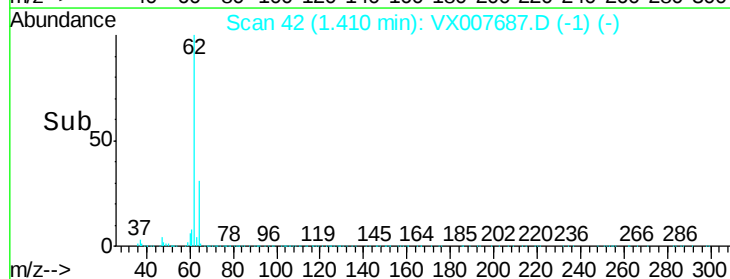
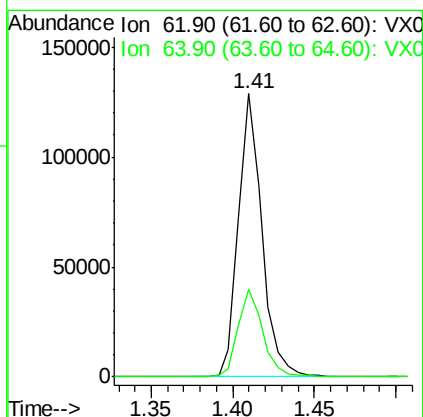
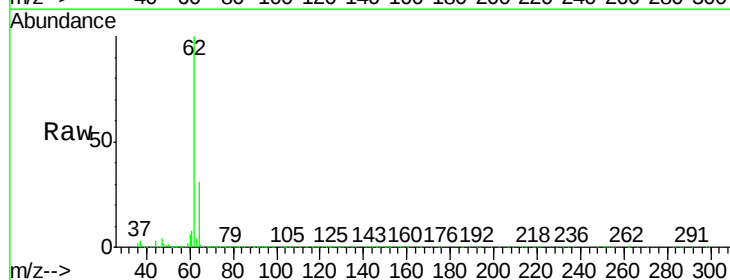
Acq: 26 Feb 2019 00:49

Tgt Ion: 62 Resp: 128883

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.0





#5

Bromomethane

Concen: 54.515 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 102880

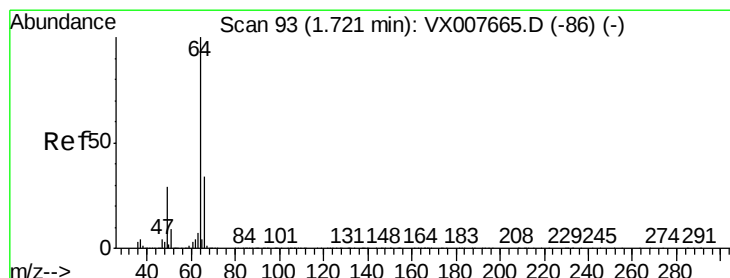
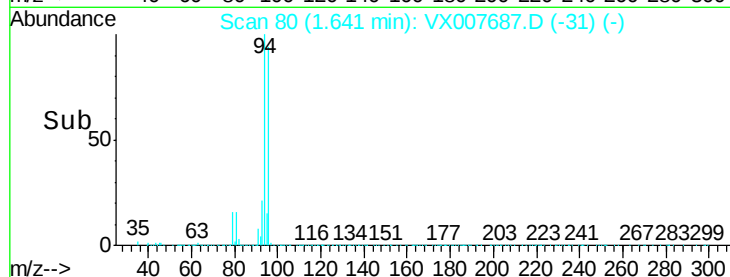
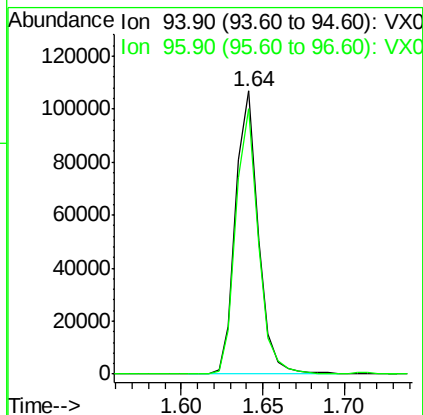
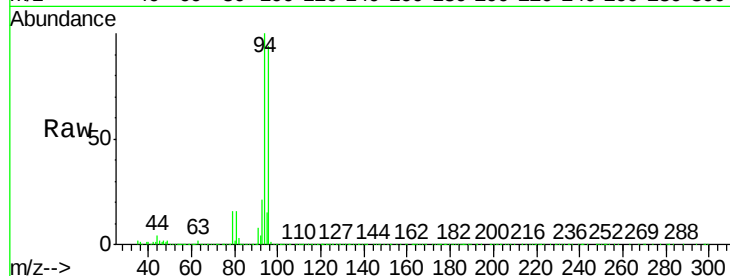
Ion Ratio Lower Upper

94 100

96 93.5 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 46.253 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007687.D

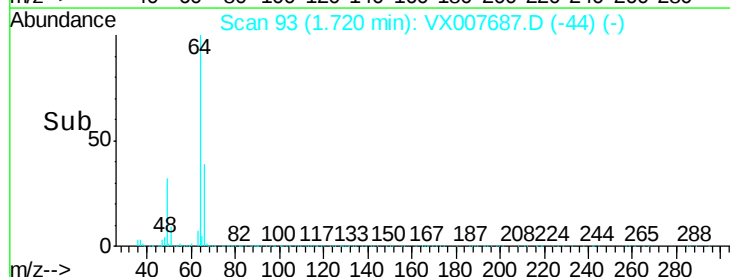
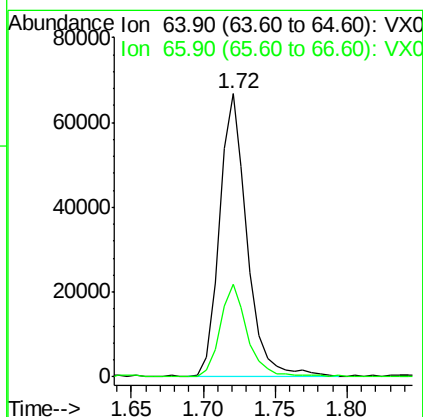
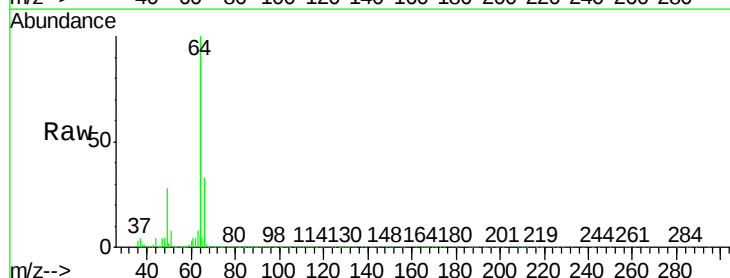
Acq: 26 Feb 2019 00:49

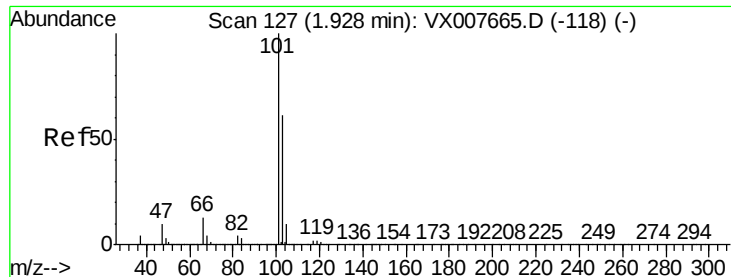
Tgt Ion: 64 Resp: 88765

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3





#7

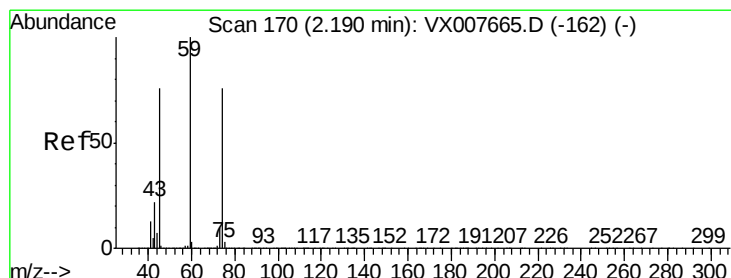
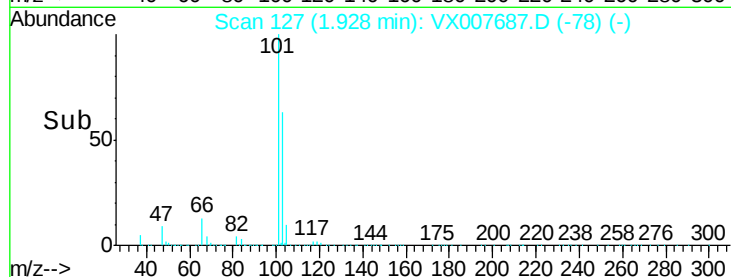
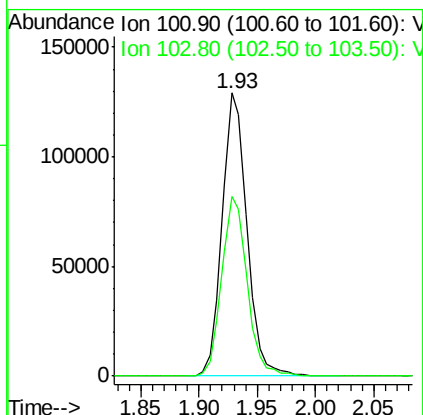
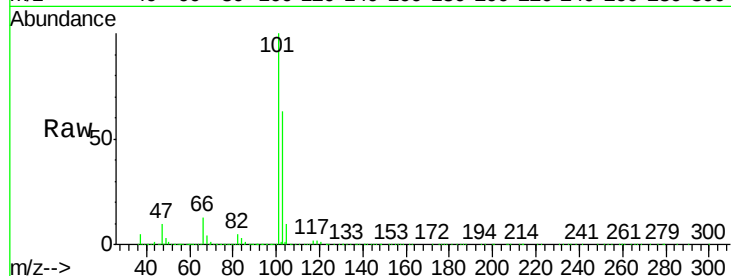
Trichlorofluoromethane
Concen: 41.251 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	189956		
103	63.2	52.6	79.0	

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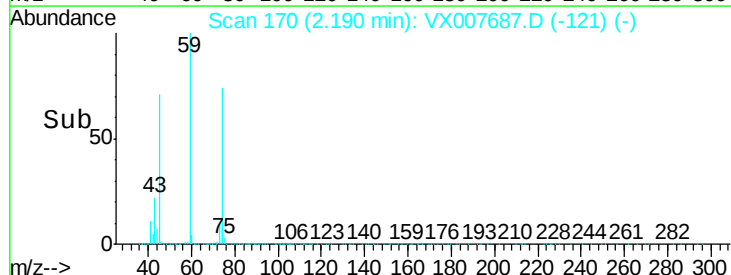
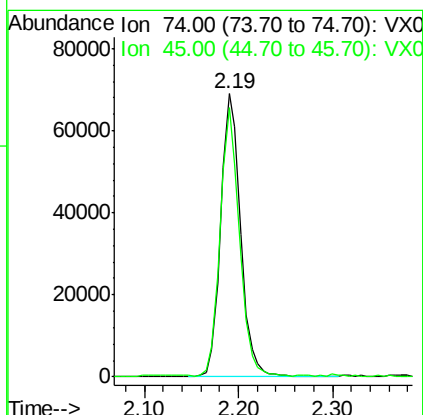
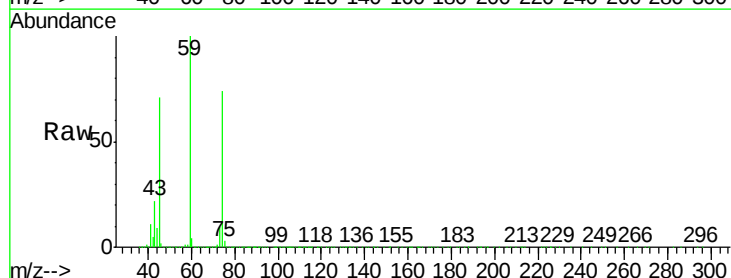
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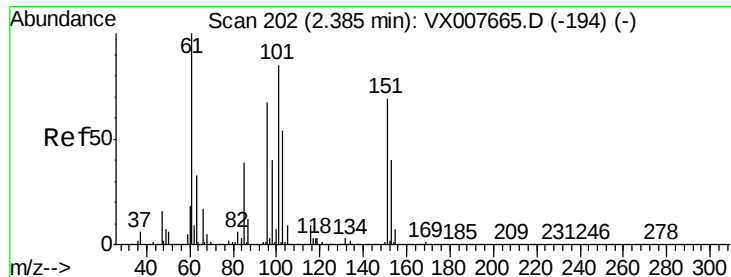


#8

Diethyl Ether
Concen: 53.291 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	100713		
45	92.1	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.693 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

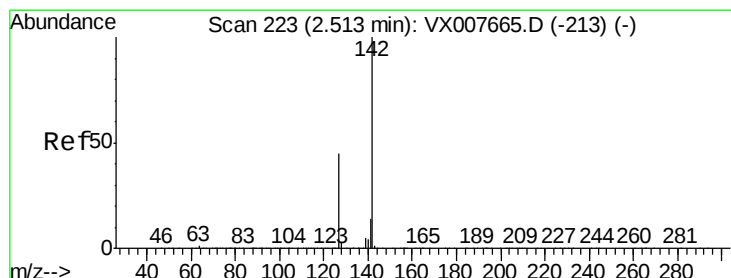
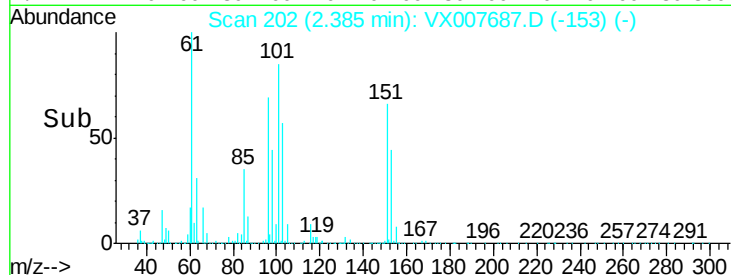
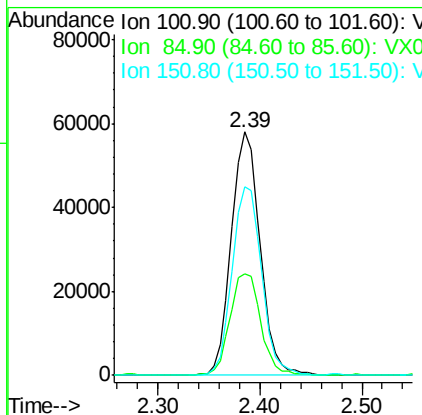
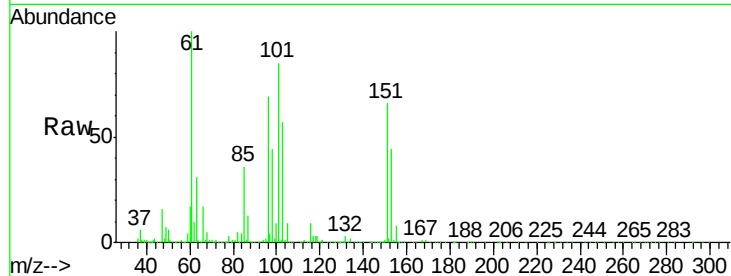
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	113258
Ion Ratio	Lower	Upper	
101	100		
85	45.1	34.1	51.1
151	79.3	69.9	104.9

Manual Integrations
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#10

Methyl Iodide

Concen: 52.604 ug/l

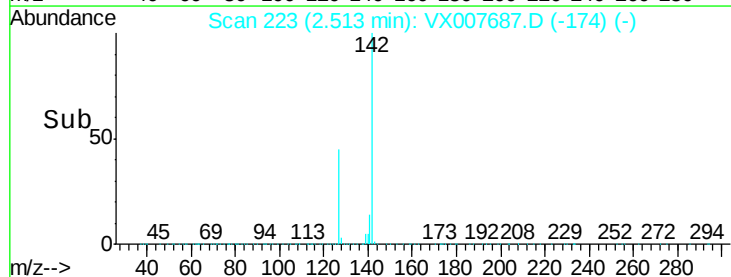
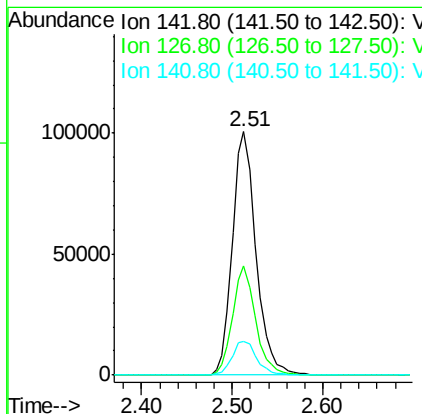
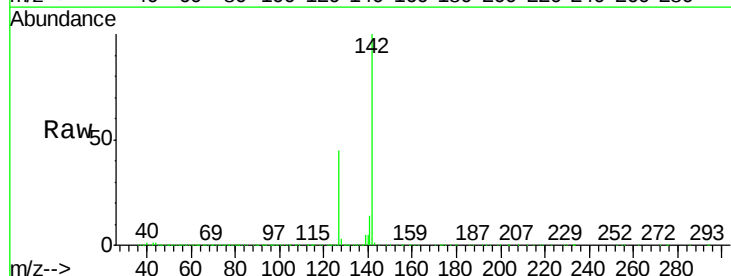
RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion:	142	Resp:	182307
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.7	50.5
141	14.6	11.3	16.9





#11

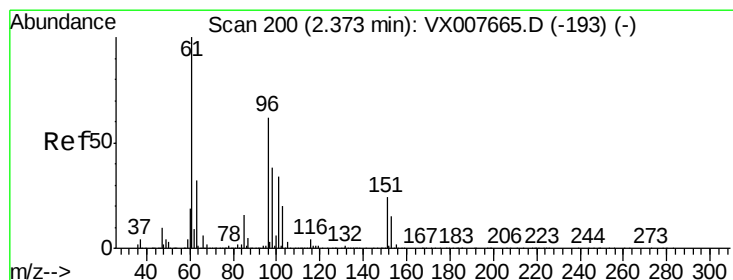
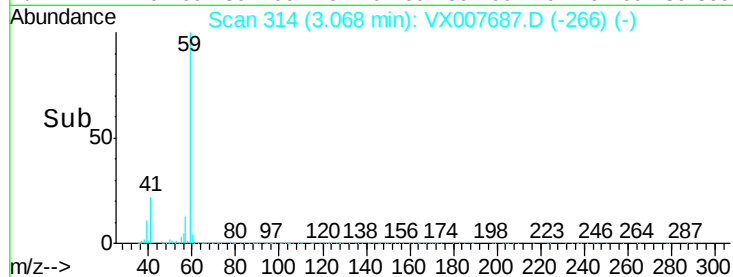
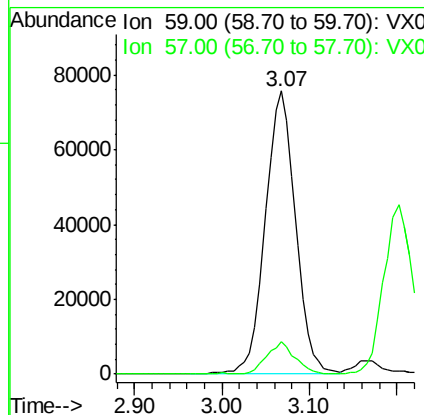
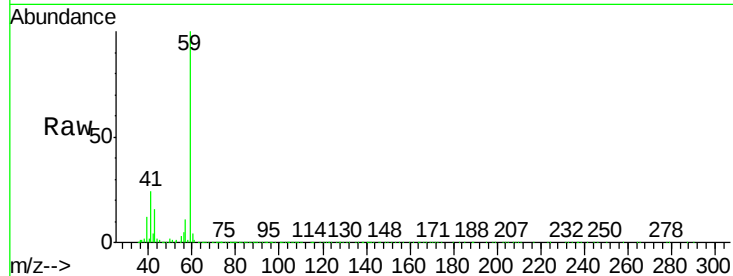
Tert butyl alcohol
Concen: 270.343 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1

Manual Integrations
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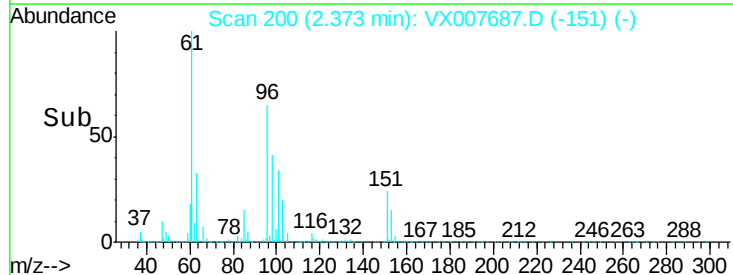
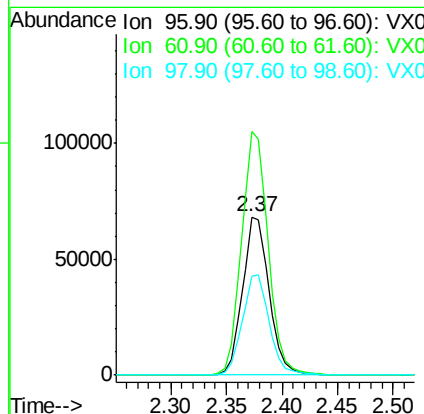
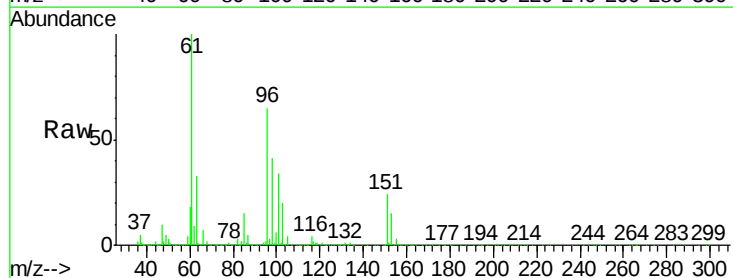
MMDadoda
2/26/2019 3:04:59 PM

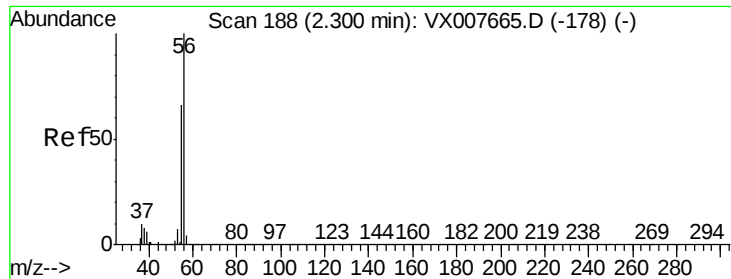


#12

1,1-Dichloroethene
Concen: 44.939 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.5	123.0	184.4
98	62.5	50.9	76.3





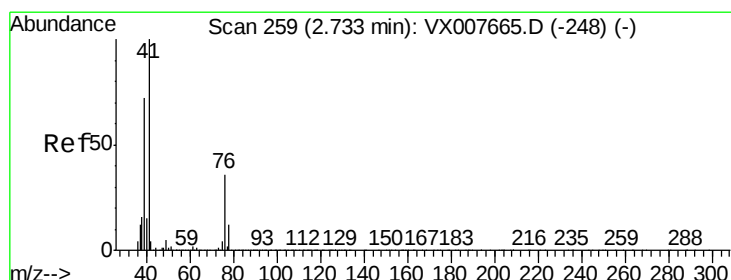
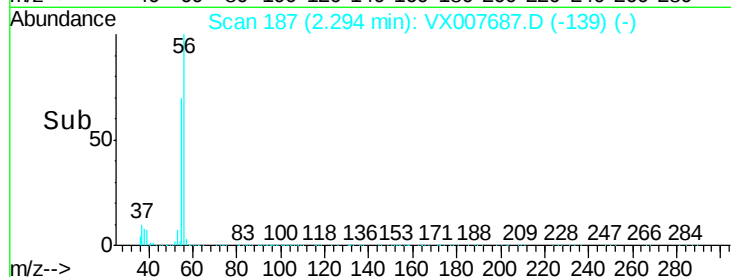
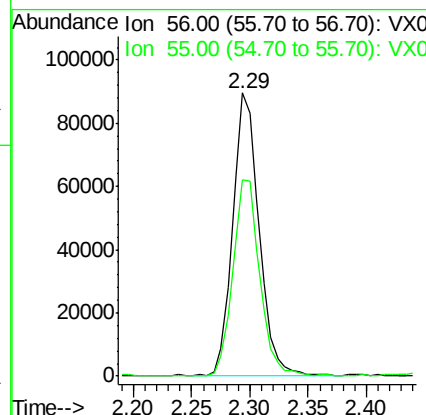
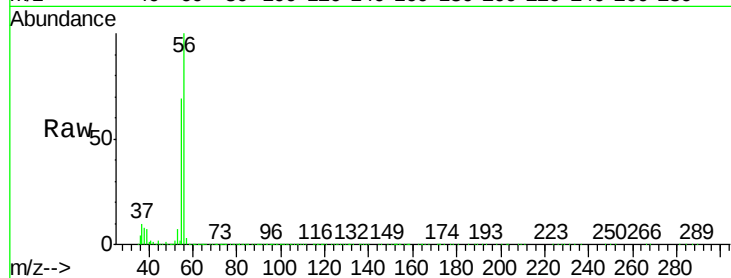
#13
Acrolein
Concen: 233.422 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.9	85.3

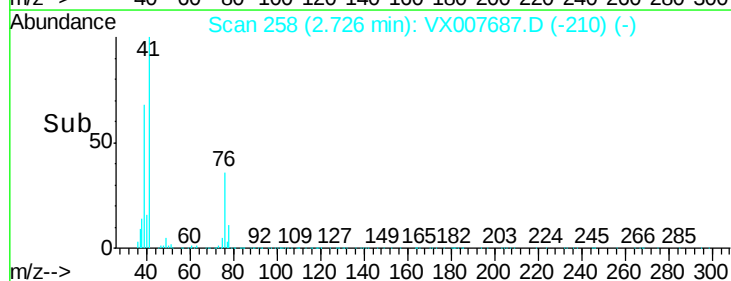
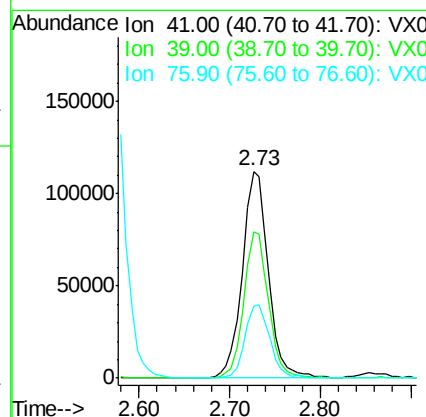
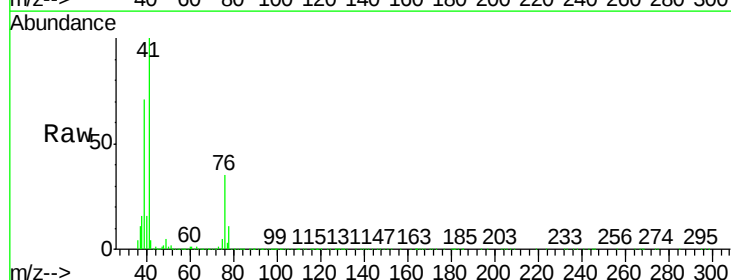
Manual Integrations
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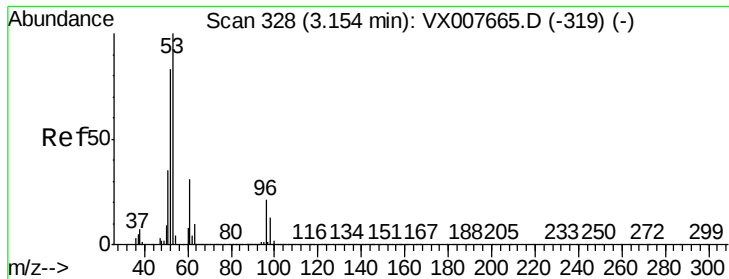
MMDadoda
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#14
Allyl chloride
Concen: 47.558 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.0	54.1	81.1
76	33.8	27.8	41.8





#15

Acrylonitrile

Concen: 277.438 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

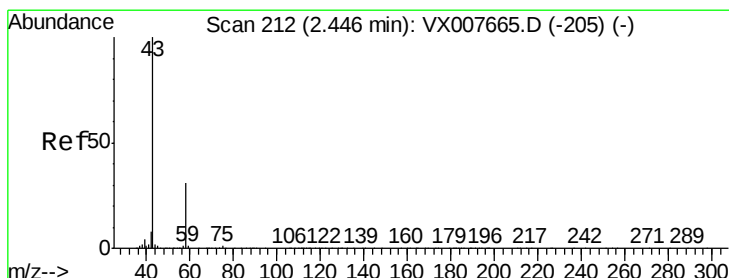
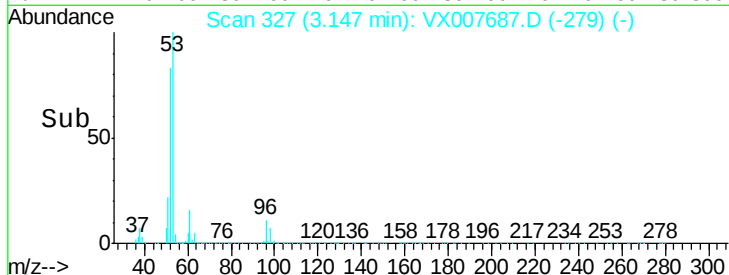
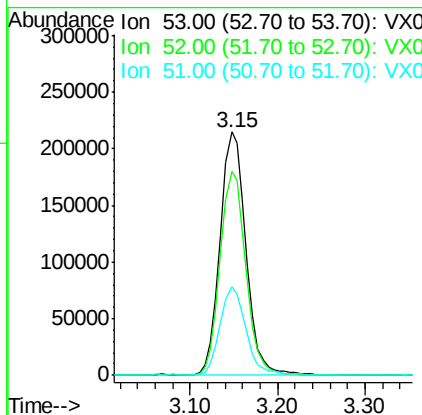
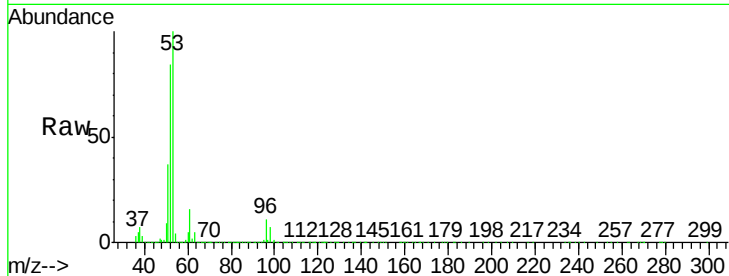
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	440102
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.6	28.4	42.6

Manual Integrations
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2/26/2019 3:04:59 PM



#16

Acetone

Concen: 242.797 ug/l

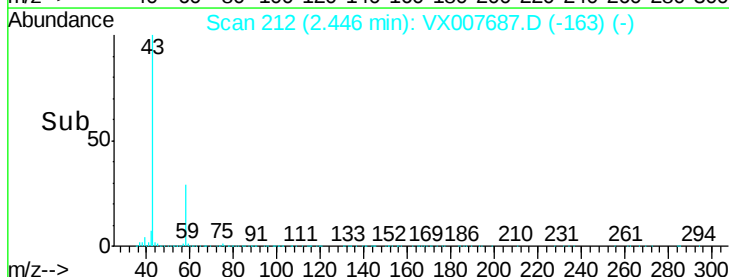
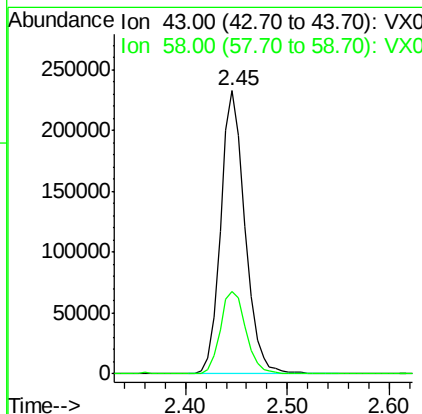
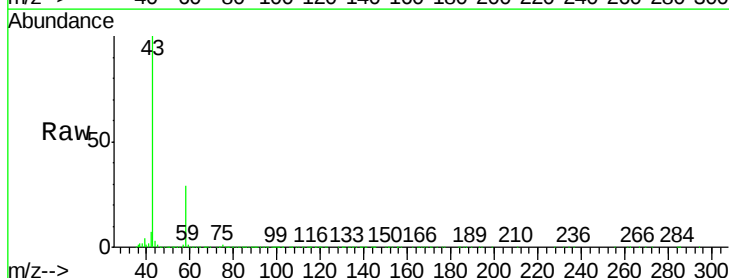
RT: 2.45 min Scan# 212

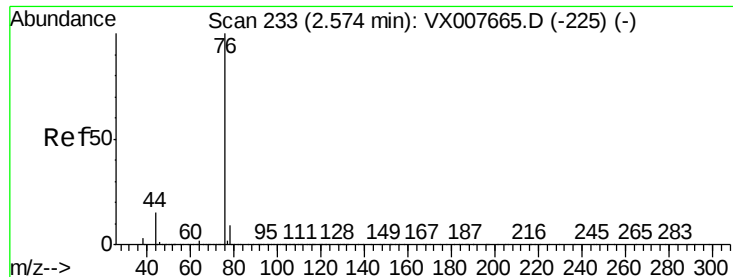
Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion:	43	Resp:	383595
Ion Ratio		Lower	Upper
43	100		
58	29.3	24.9	37.3





#17

Carbon Disulfide

Concen: 44.668 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 311773

Ion Ratio Lower Upper

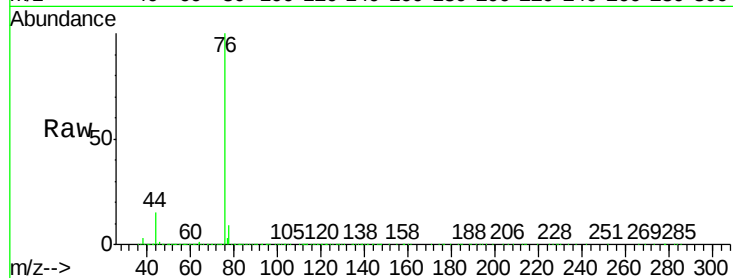
76 100

78 9.4 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

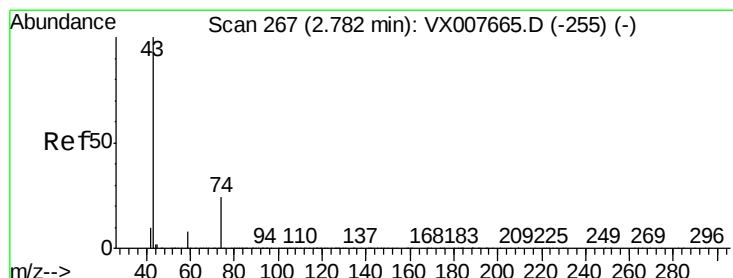
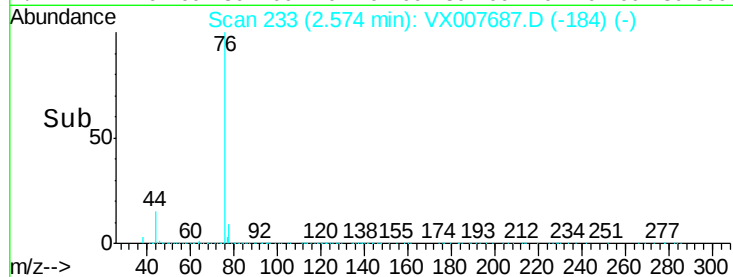
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 55.942 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007687.D

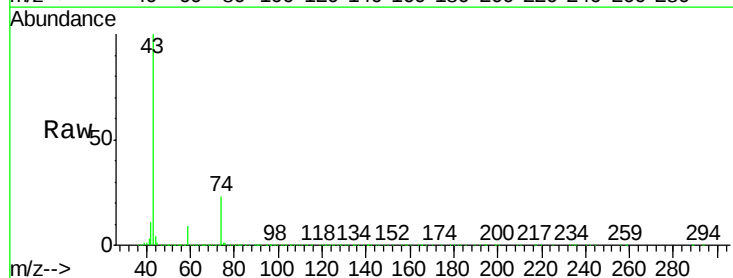
Acq: 26 Feb 2019 00:49

Tgt Ion: 43 Resp: 192862

Ion Ratio Lower Upper

43 100

74 23.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

60000

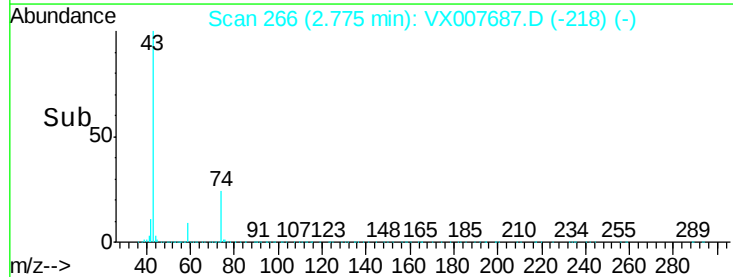
40000

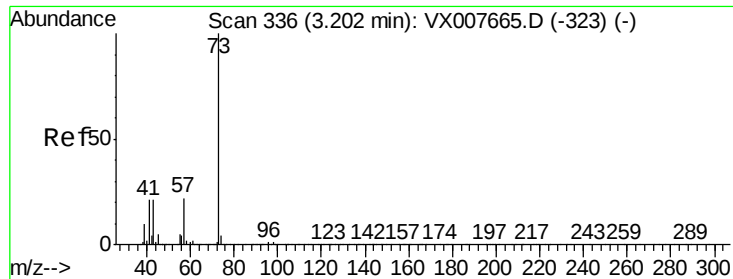
20000

0

2.70 2.75 2.80 2.85

Time-->





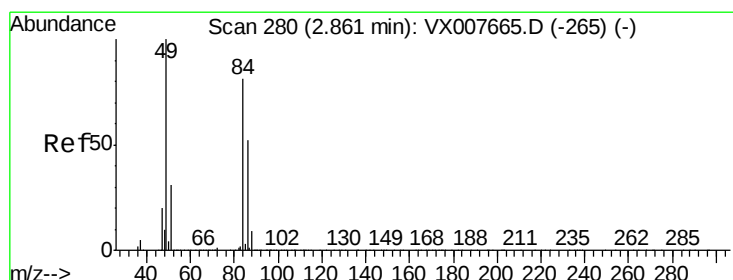
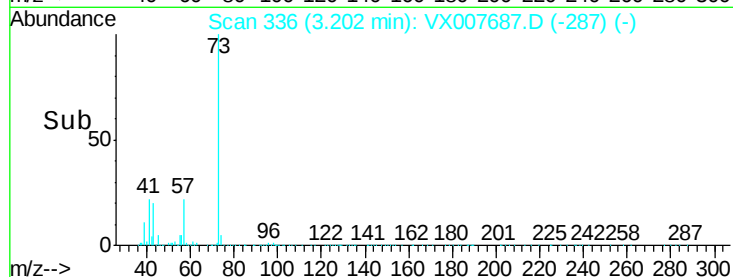
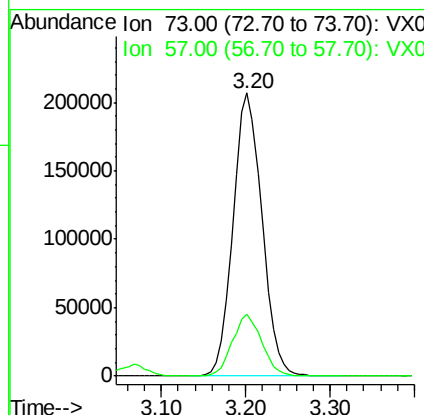
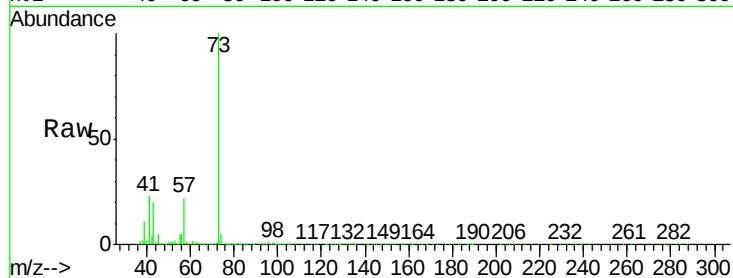
#19
Methvl tert-butvl Ether
Concen: 54.851 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 479209
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8

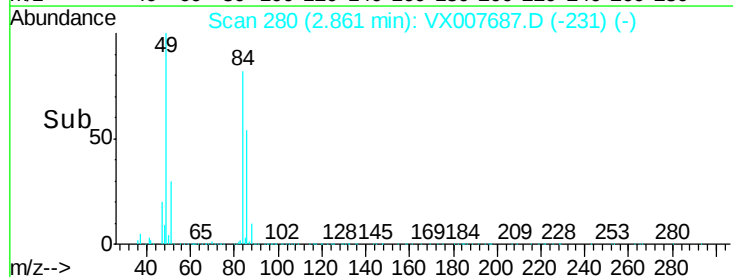
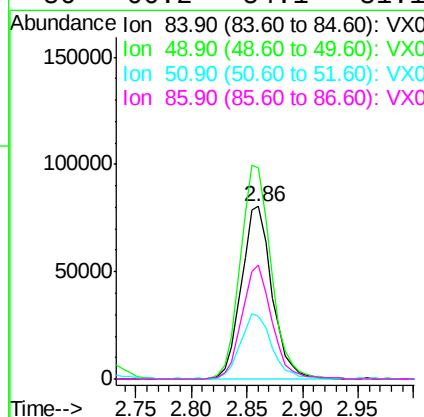
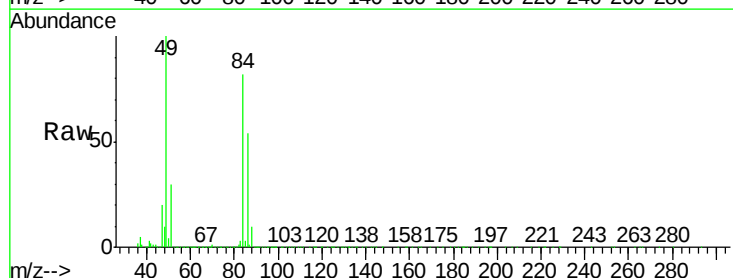
Manual Integrations
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#20
Methylene Chloride
Concen: 52.773 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion: 84 Resp: 153957
Ion Ratio Lower Upper
84 100
49 122.0 94.8 142.2
51 36.6 29.8 44.8
86 66.2 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 47.930 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

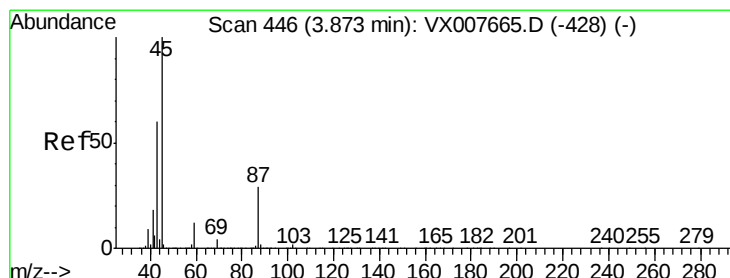
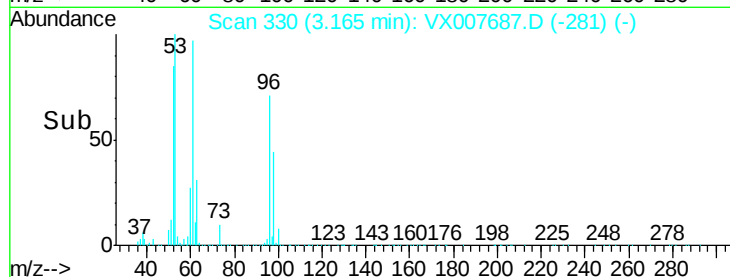
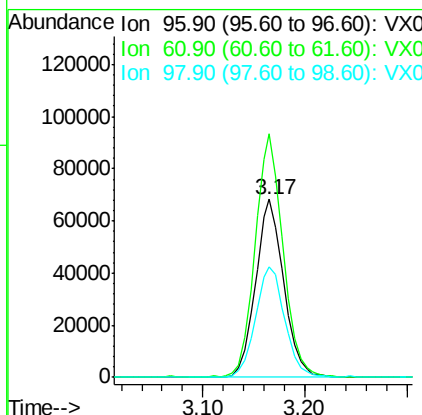
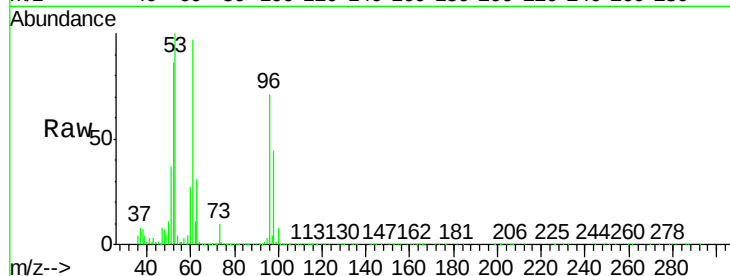
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	130726
Ion	Ratio	Lower	Upper
96	100		
61	136.9	104.6	156.8
98	62.3	51.0	76.4

Manual Integrations
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2/26/2019 3:04:59 PM



#22

Diisopropyl ether

Concen: 51.726 ug/l

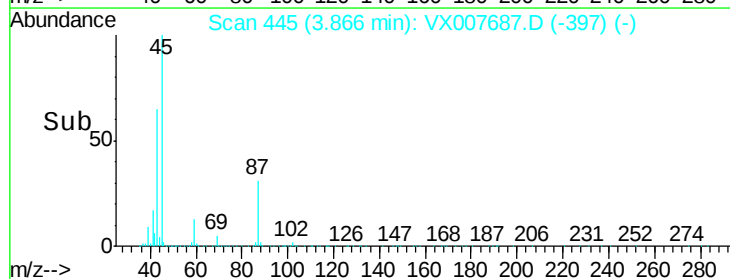
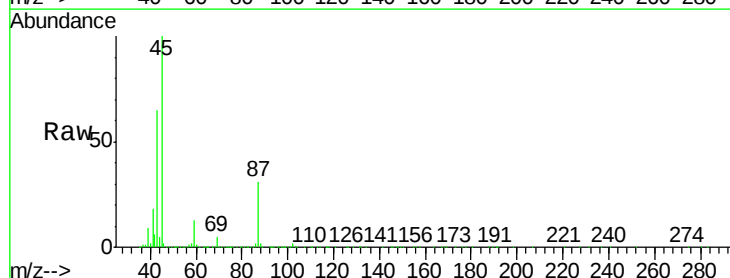
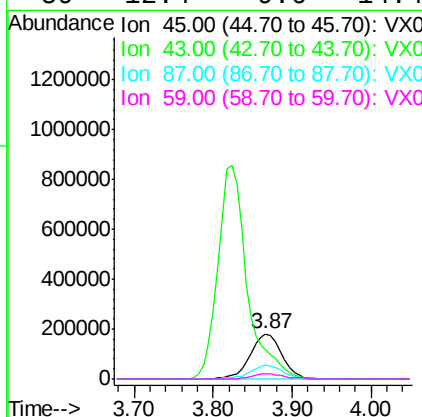
RT: 3.87 min Scan# 445

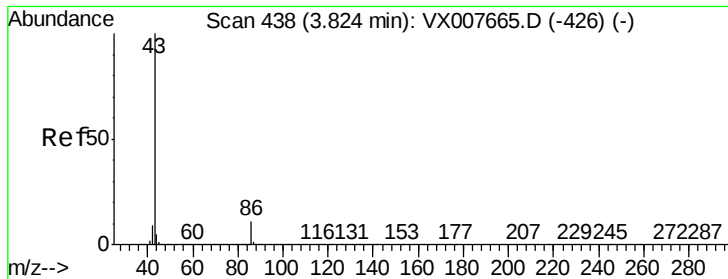
Delta R.T. -0.01 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion:	45	Resp:	499512
Ion	Ratio	Lower	Upper
45	100		
43	64.8	48.9	73.3
87	30.9	23.9	35.9
59	12.4	9.6	14.4





#23

Vinyl Acetate

Concen: 262.609 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2224946

Ion Ratio Lower Upper

43 100

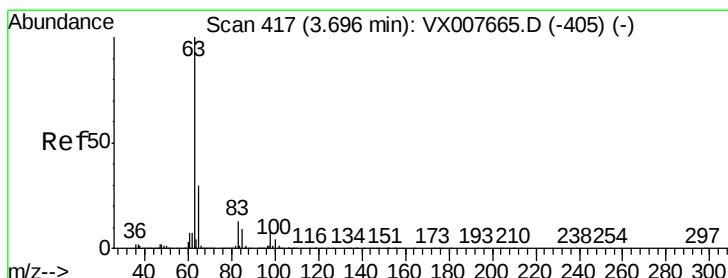
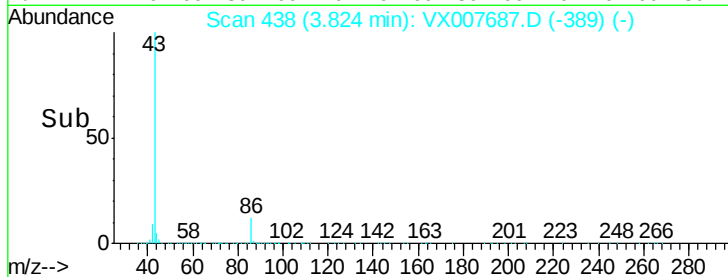
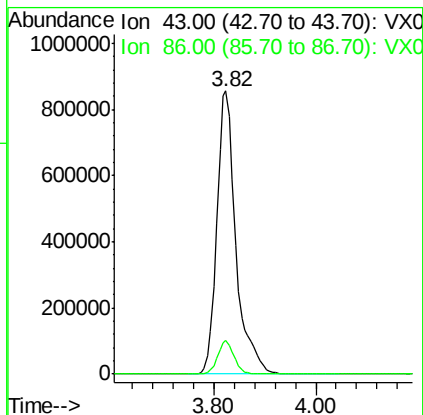
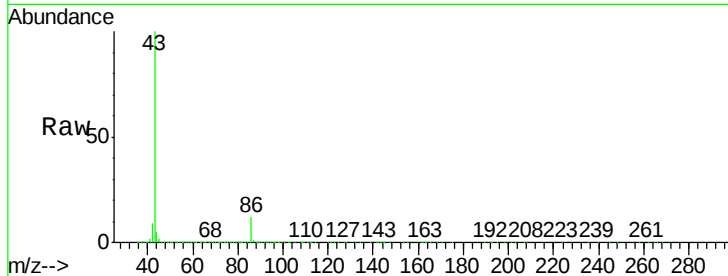
86 11.7 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.450 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

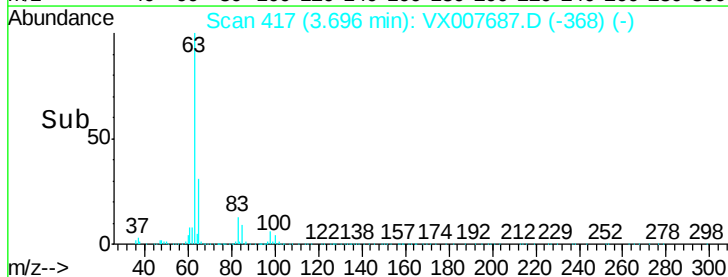
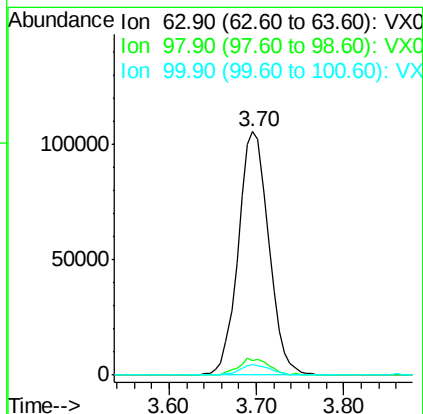
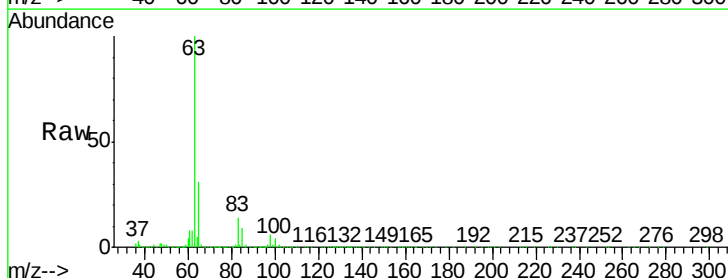
Tgt Ion: 63 Resp: 254281

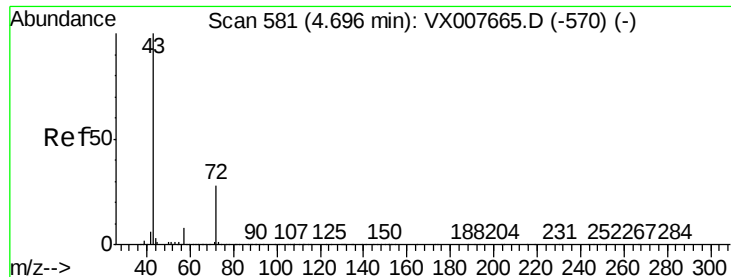
Ion Ratio Lower Upper

63 100

98 6.1 3.6 10.8

100 4.2 2.5 7.4





#25

2-Butanone

Concen: 269.297 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tot Ion: 43 Resp: 648089

Ion Ratio Lower Upper

43 100

72 27.5 22.2 33.2

Instrument :

MSVOA_X

ClientSampleId :

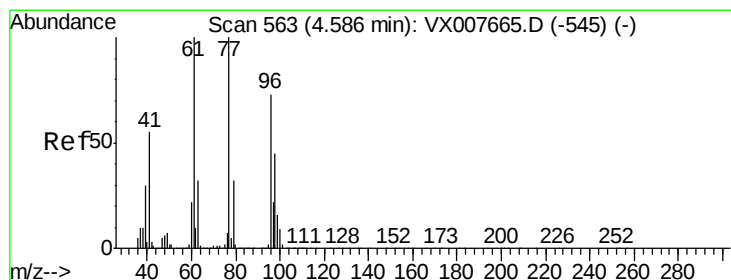
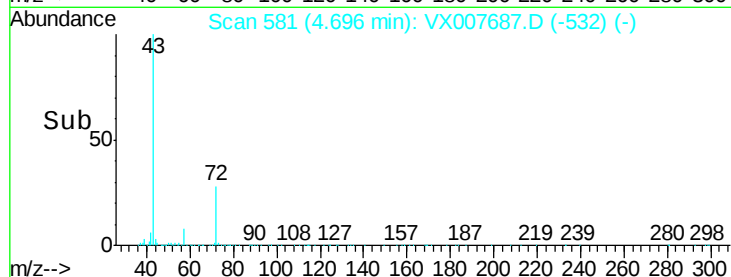
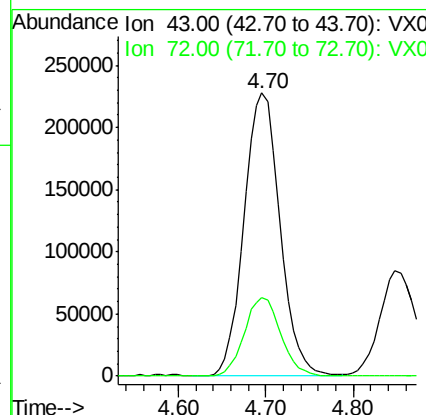
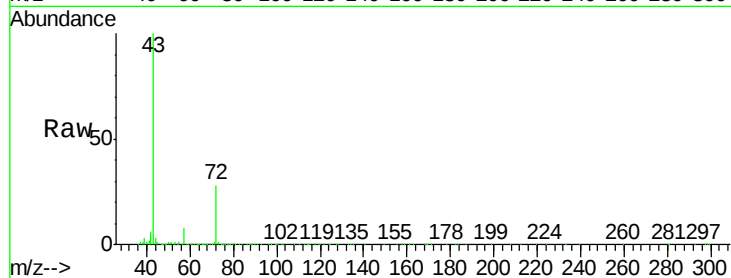
VSTDCCC050

Manual Integrations

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2/26/2019 3:04:59 PM



#26

2,2-Dichloropropane

Concen: 34.414 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007687.D

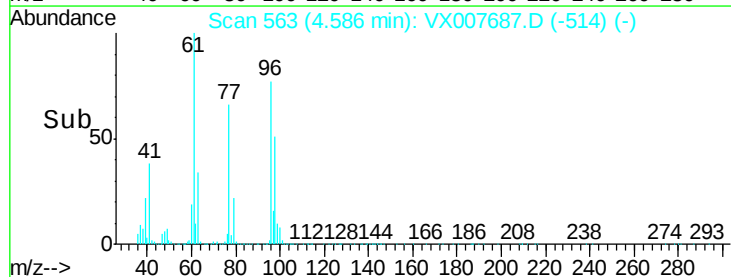
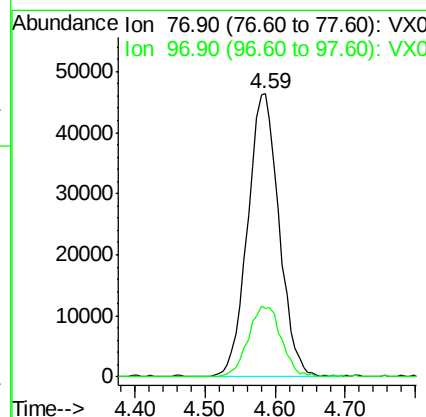
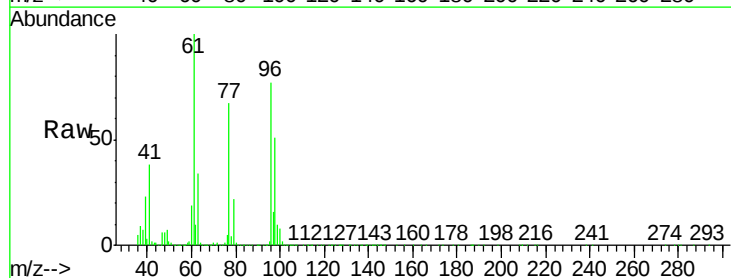
Acq: 26 Feb 2019 00:49

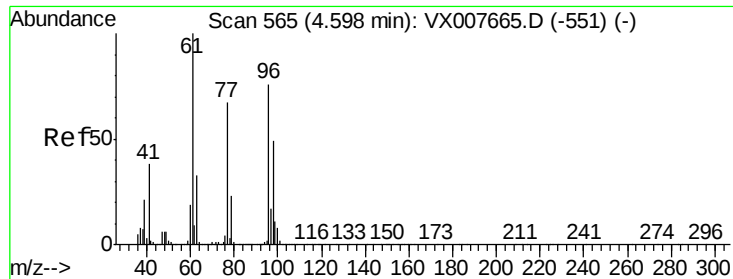
Tgt Ion: 77 Resp: 144171

Ion Ratio Lower Upper

77 100

97 26.4 12.1 36.3





#27

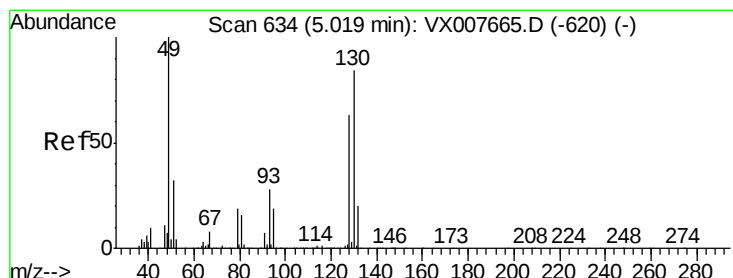
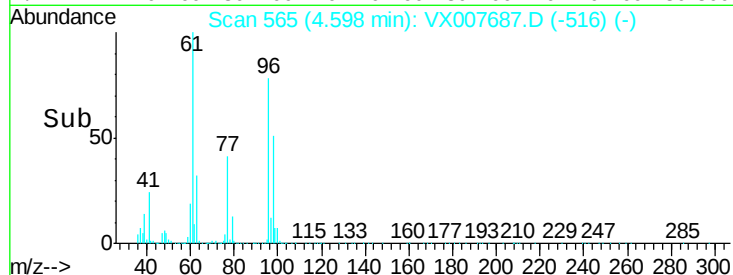
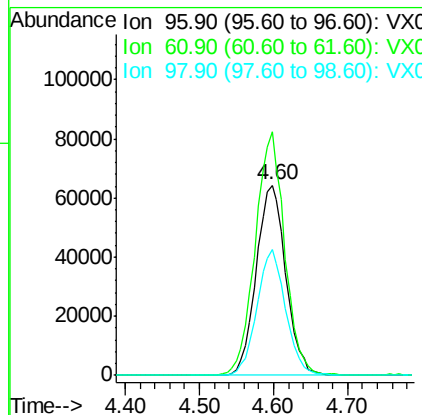
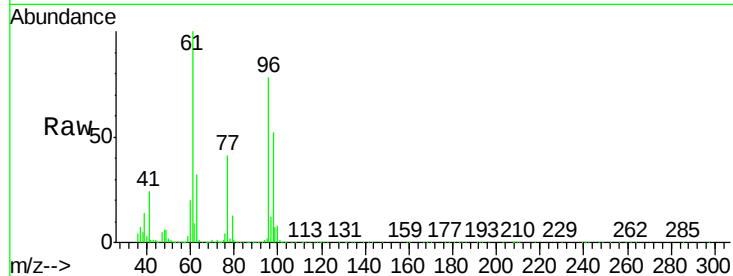
cis-1,2-Dichloroethene
Concen: 51.673 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	179329		
61	126.7		0.0	265.6
98	63.9		0.0	131.6

Manual Integrations
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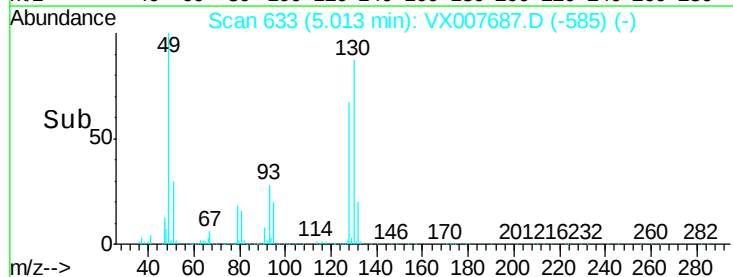
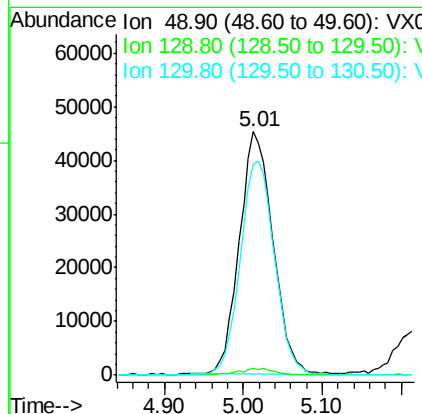
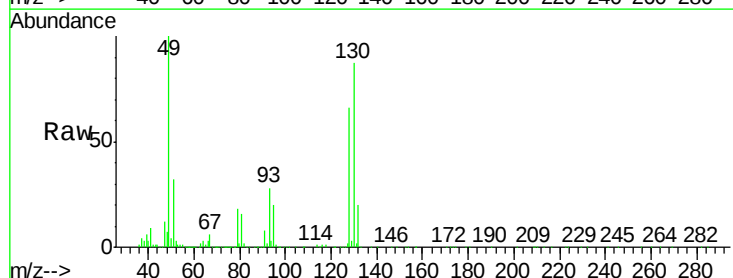
MMDadoda
2/26/2019 3:04:59 PM

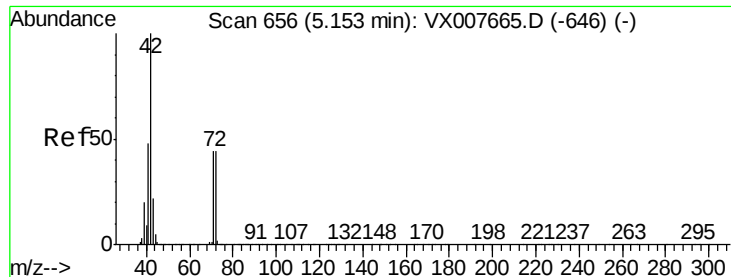


#28

Bromochloromethane
Concen: 52.278 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133570		
129	2.8		0.0	5.6
130	90.3		75.6	113.4





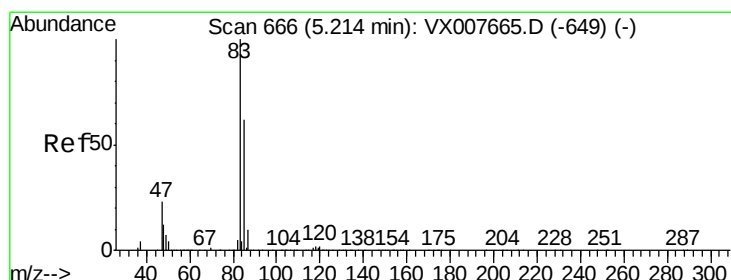
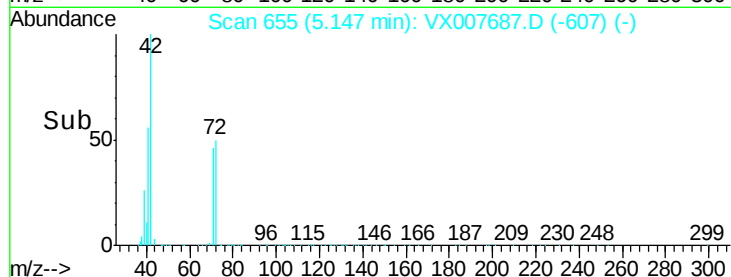
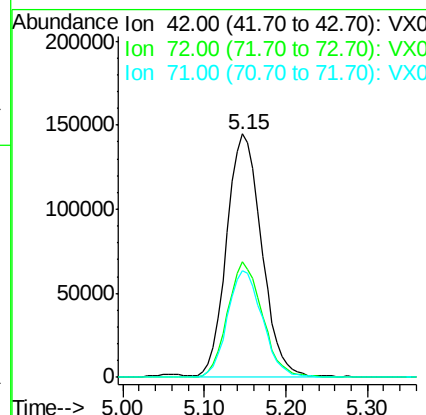
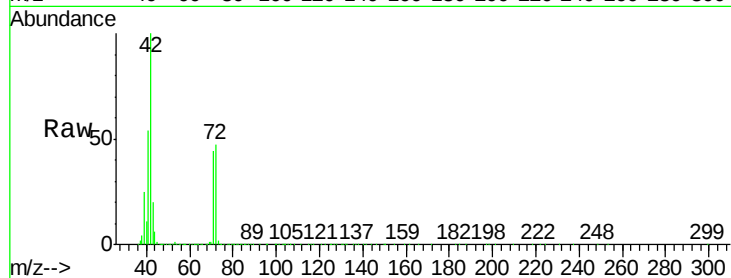
#29
Tetrahydrofuran
Concen: 270.505 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.6	56.4
71	43.7	34.6	51.8

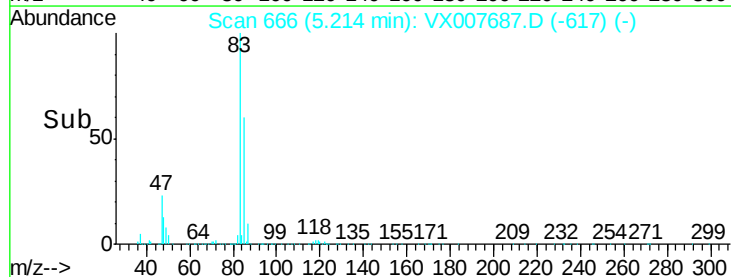
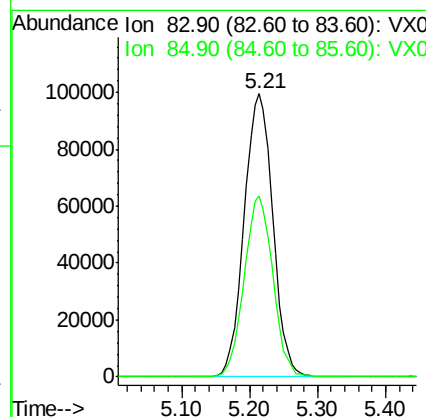
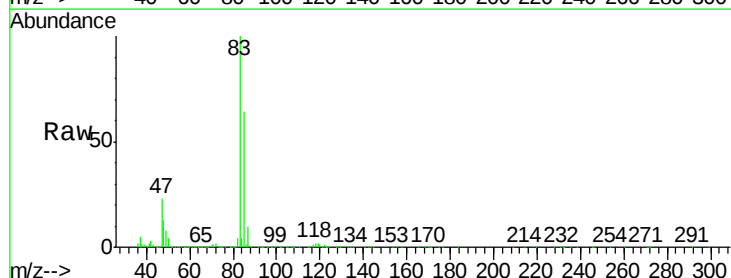
Manual Integrations
APPROVED

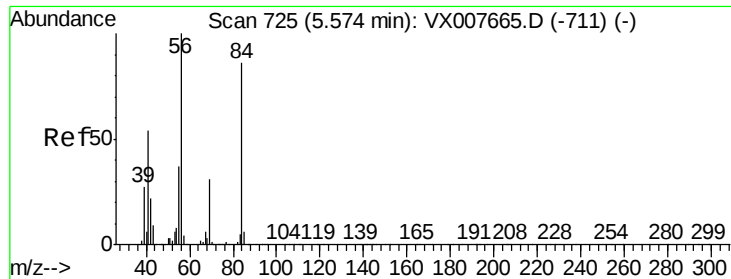
MMDadoda
2/26/2019 3:04:59 PM



#30
Chloroform
Concen: 51.945 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.6	77.4





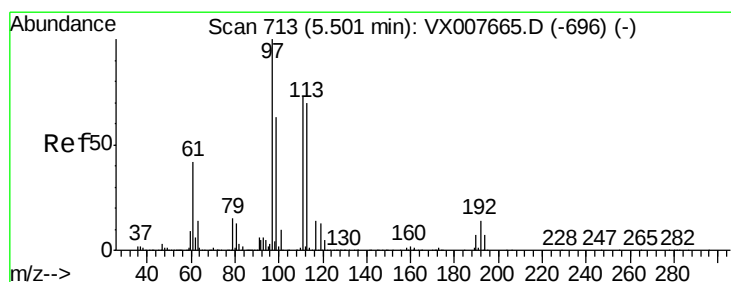
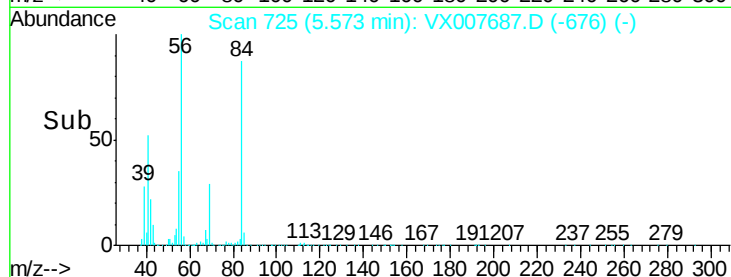
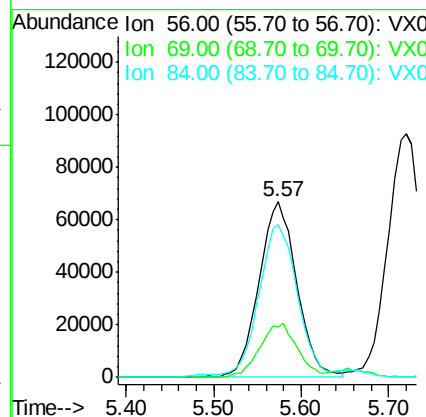
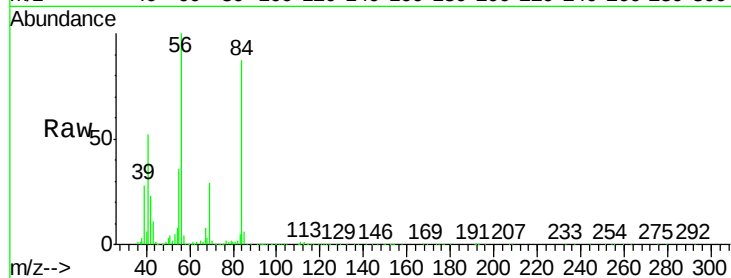
#31
Cyclohexane
Concen: 40.626 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.0	34.6
84	86.1	69.8	104.6

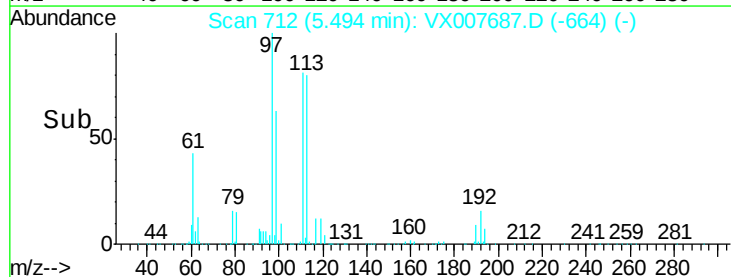
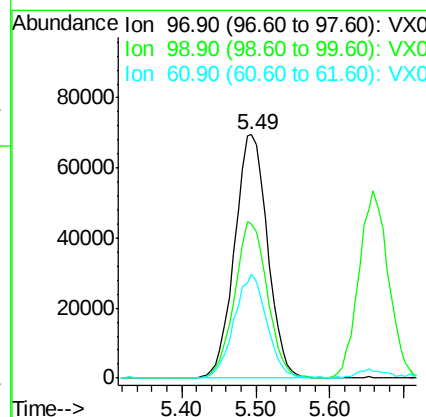
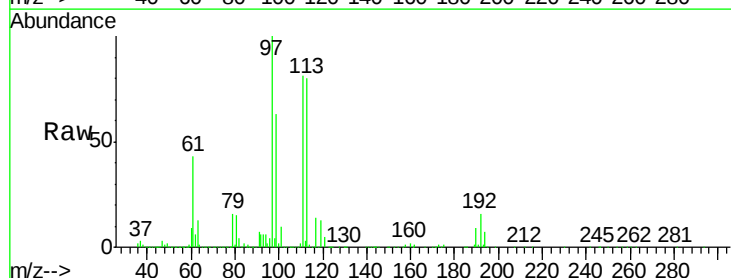
Manual Integrations
APPROVED

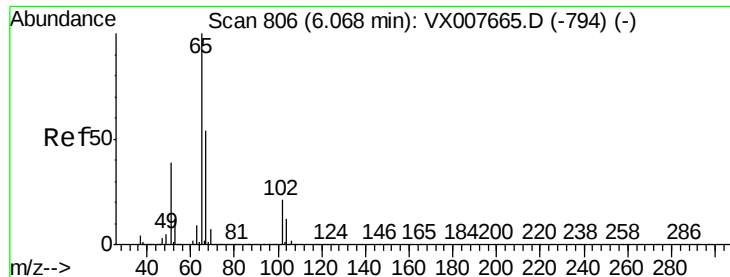
MMDadoda
2/26/2019 3:04:59 PM



#32
1,1,1-Trichloroethane
Concen: 46.423 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.2	78.2
61	41.9	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 53.455 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 189912

Ion Ratio Lower Upper

65 100

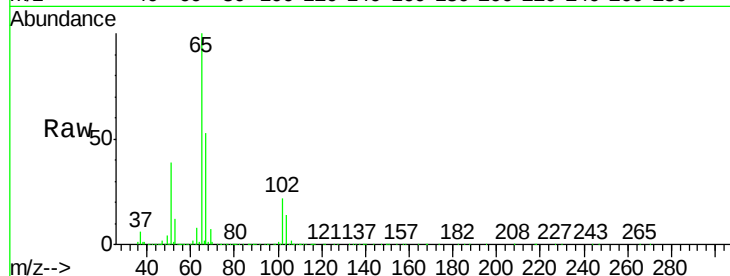
67 53.9 0.0 108.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

80000

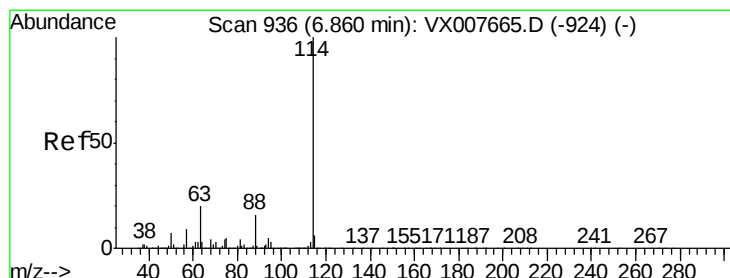
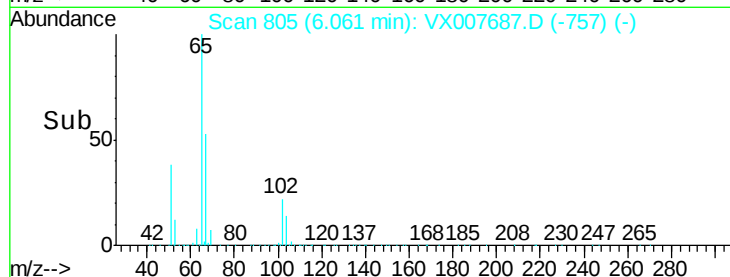
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

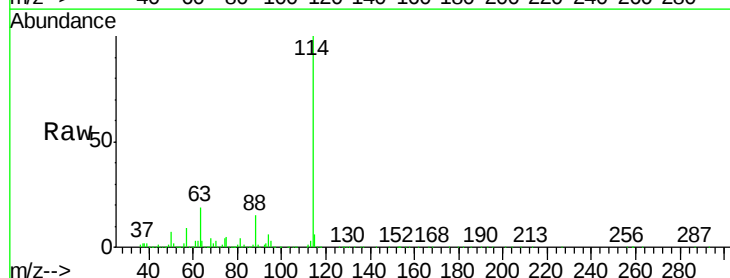
Tgt Ion: 114 Resp: 467710

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.6

88 14.6 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

250000

200000

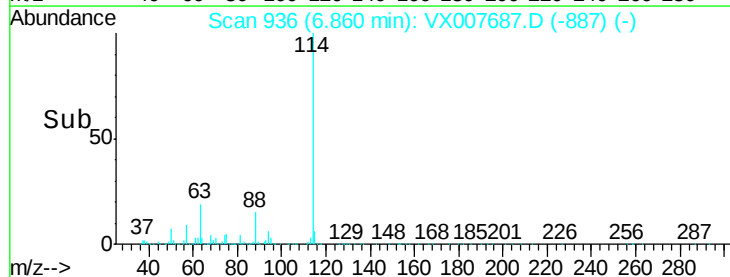
150000

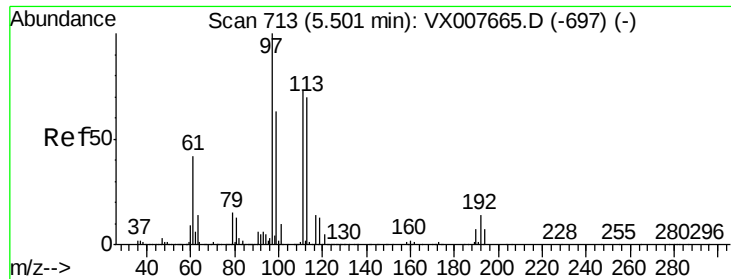
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 53.081 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

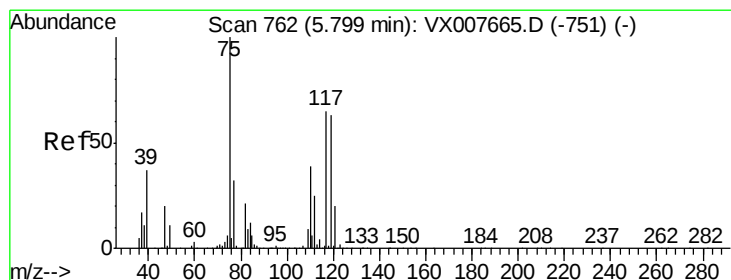
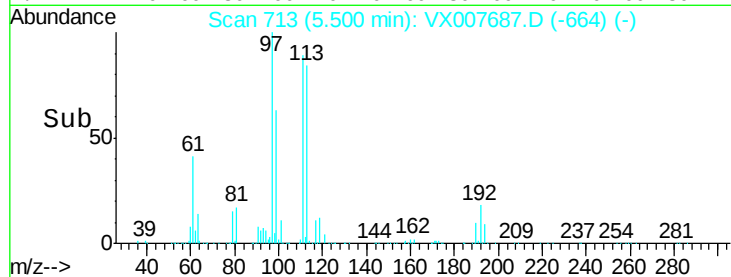
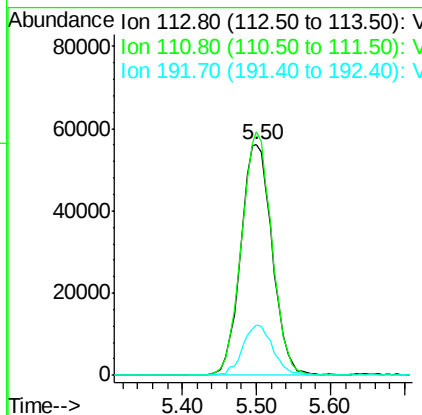
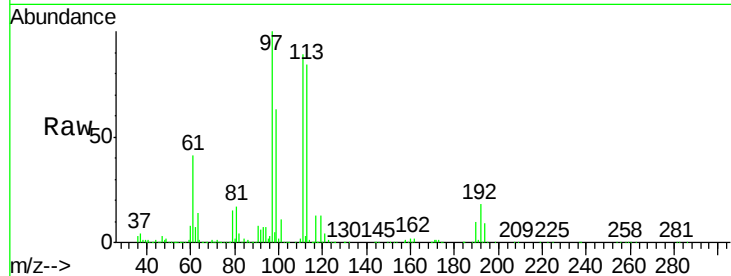
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	165959
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.8	122.8
192	21.0	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 43.269 ug/l

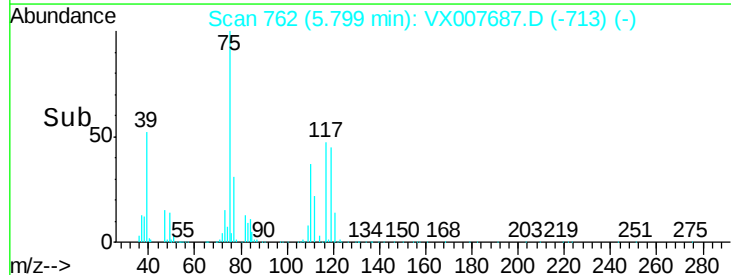
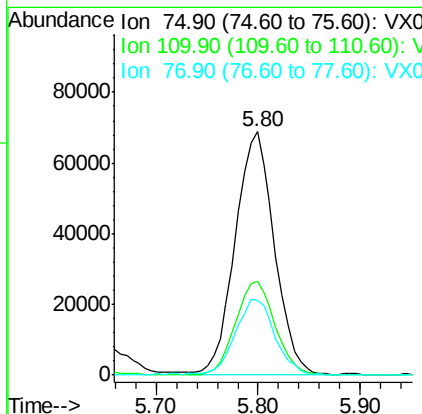
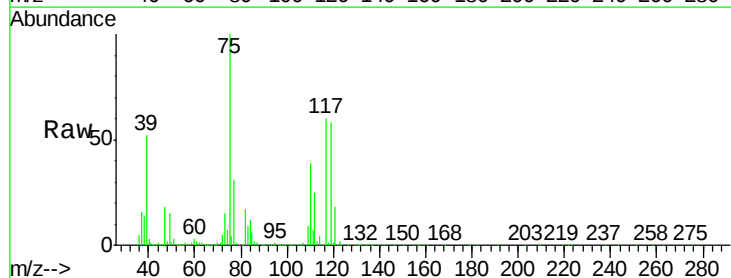
RT: 5.80 min Scan# 762

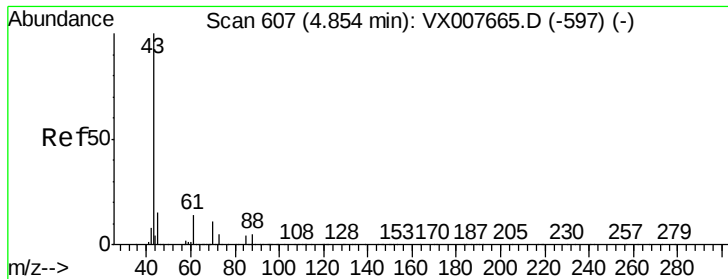
Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion:	75	Resp:	181939
Ion Ratio	Lower	Upper	
75	100		
110	39.4	20.0	59.9
77	32.6	24.7	37.1





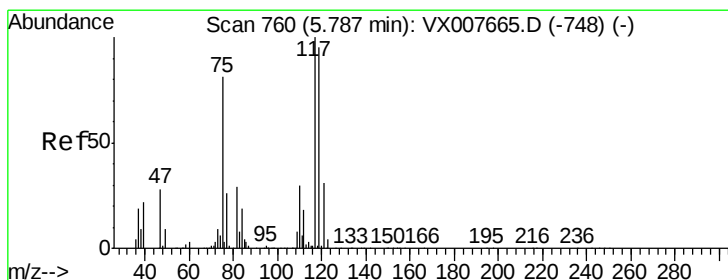
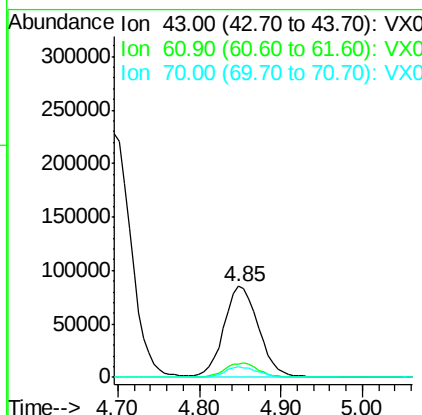
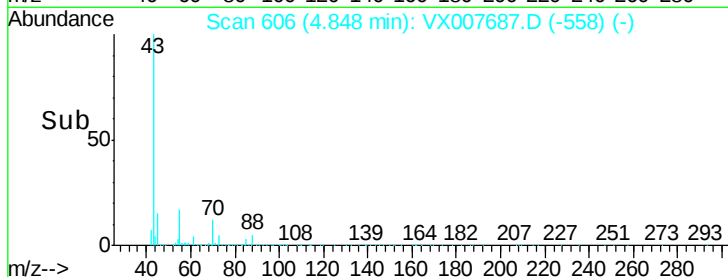
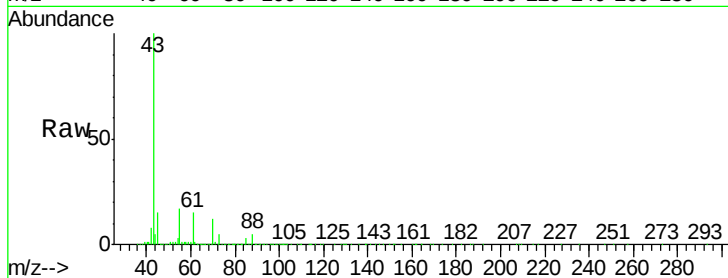
#37
Ethyl Acetate
Concen: 53.325 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	249077
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.3	16.9
70	10.9	8.6	13.0

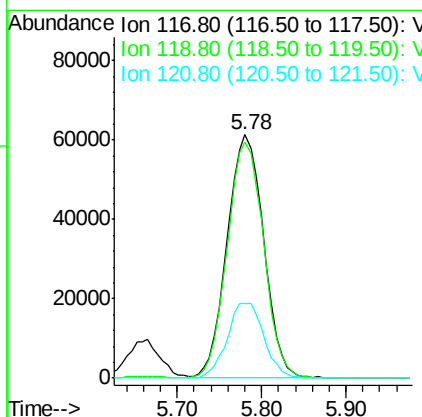
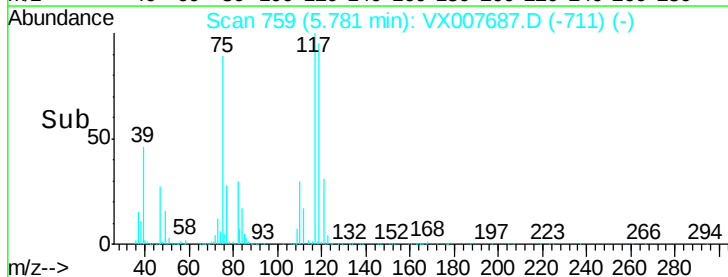
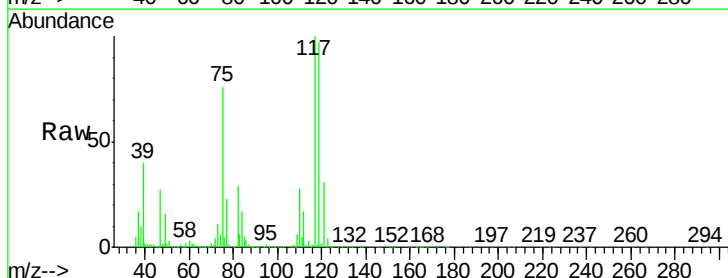
Manual Integrations
APPROVED

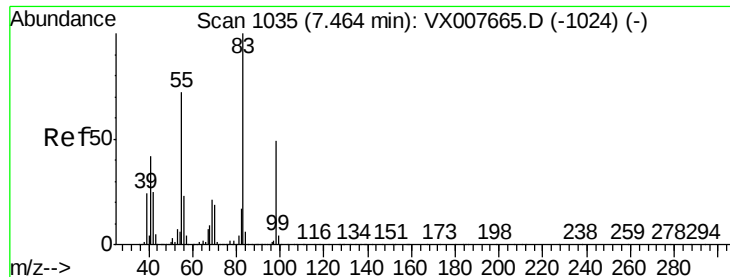
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2/26/2019 3:04:59 PM



#38
Carbon Tetrachloride
Concen: 42.660 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion:	117	Resp:	180191
Ion Ratio	Lower	Upper	
117	100		
119	97.0	75.3	112.9
121	30.8	25.0	37.4





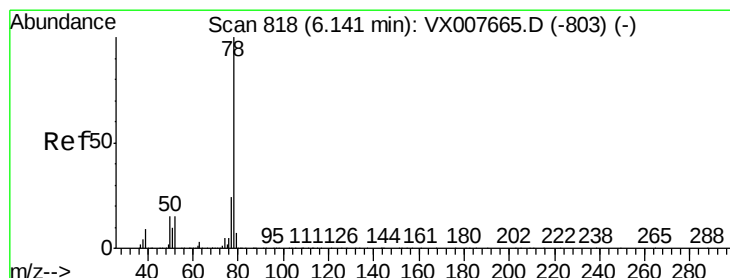
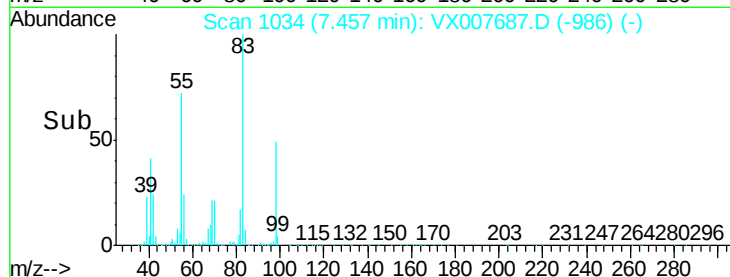
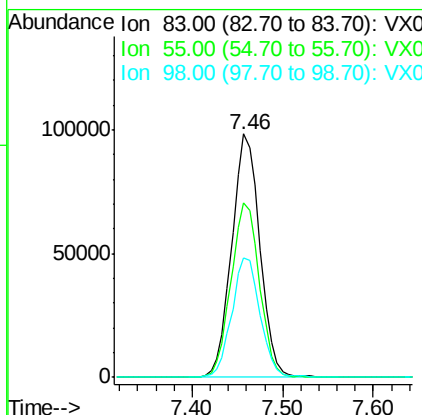
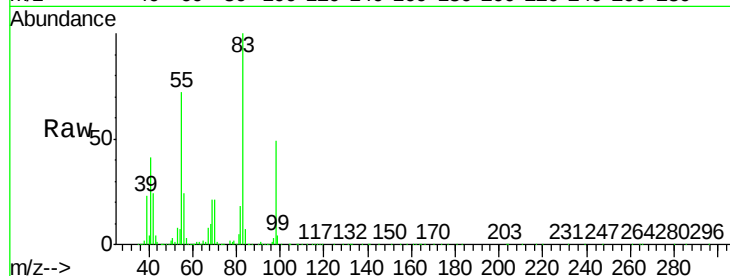
#39
Methvlcvclohexane
Concen: 39.871 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	211889		
55	71.6		56.2	84.2
98	49.1		36.8	55.2

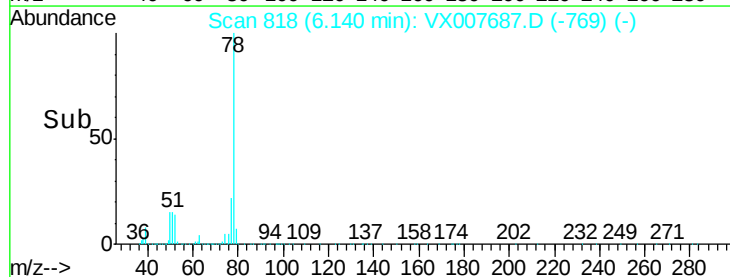
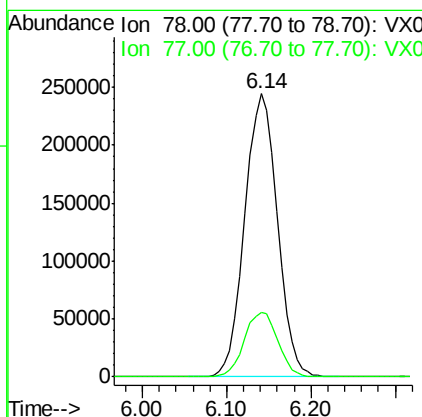
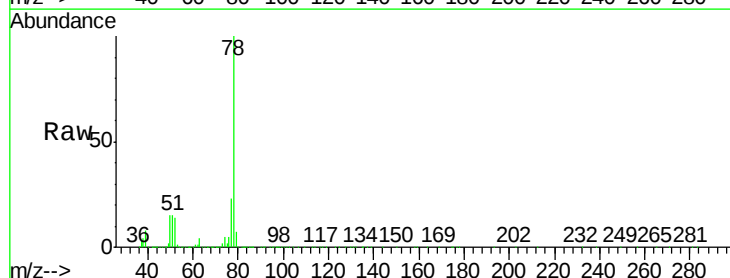
Manual Integrations
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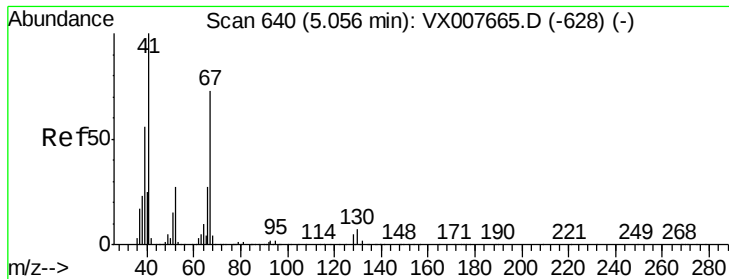
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#40
Benzene
Concen: 49.497 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	642483		
77	22.9		19.3	28.9





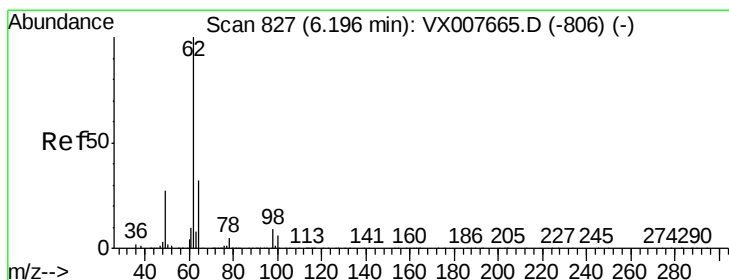
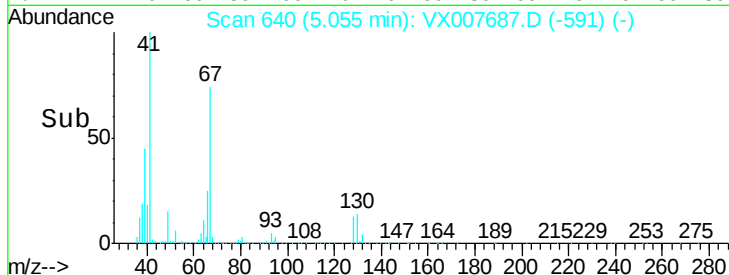
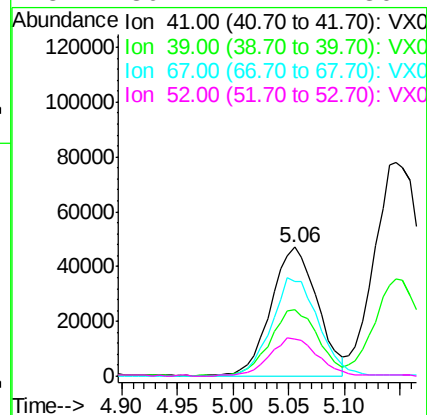
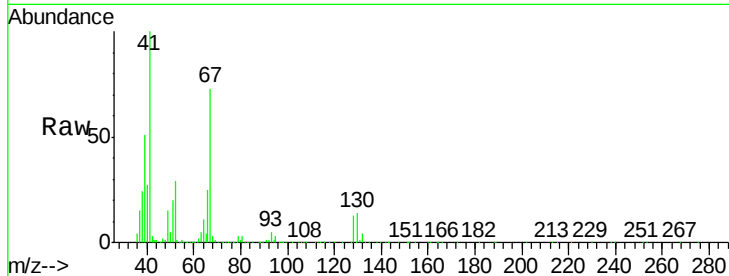
#41
Methacrylonitrile
Concen: 54.480 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	44.5	66.7	
67	78.2	60.4	90.6	
52	30.1	24.1	36.1	

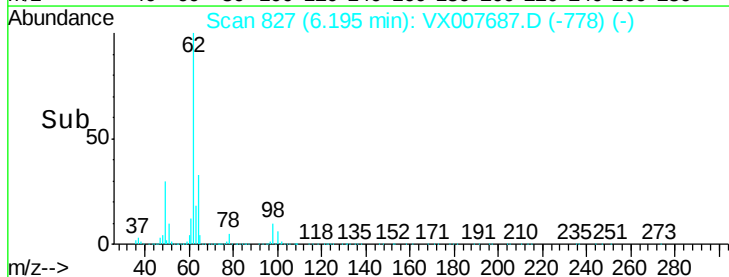
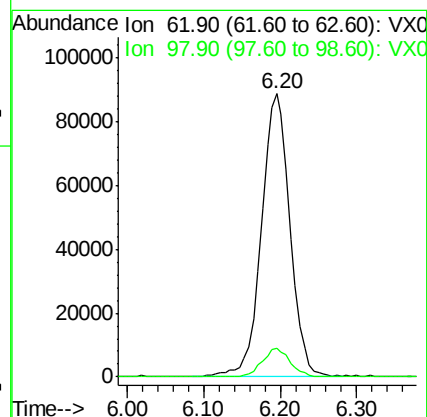
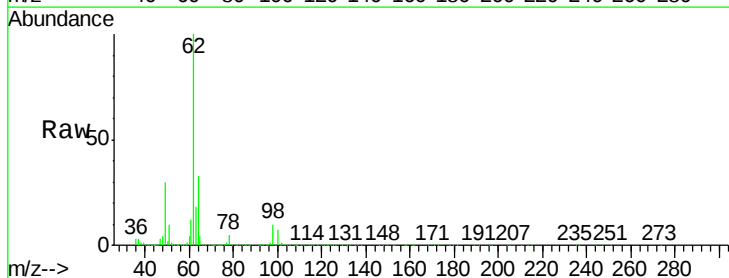
Manual Integrations
APPROVED

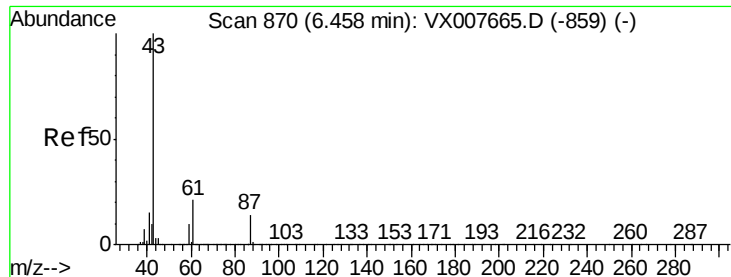
MMDadoda
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#42
1,2-Dichloroethane
Concen: 52.963 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.0	





#43

Isopropyl Acetate

Concen: 54.568 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

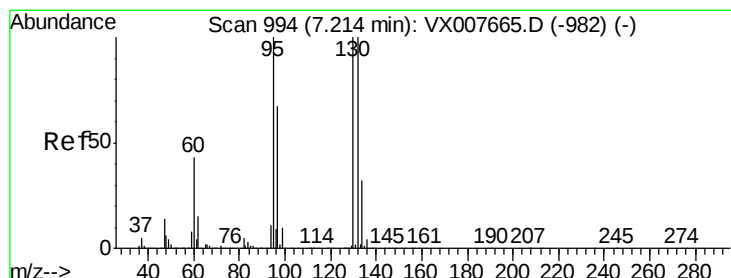
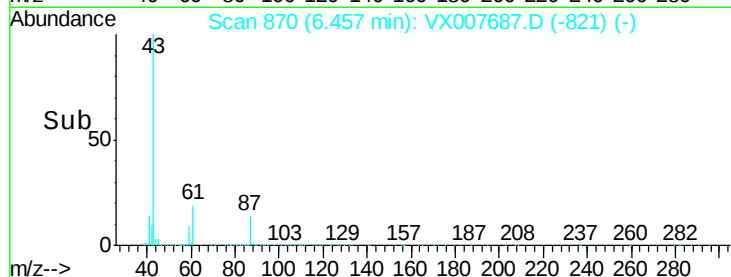
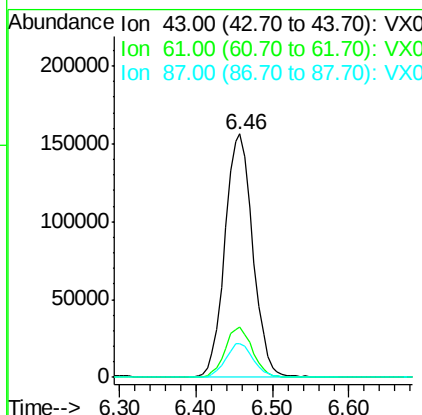
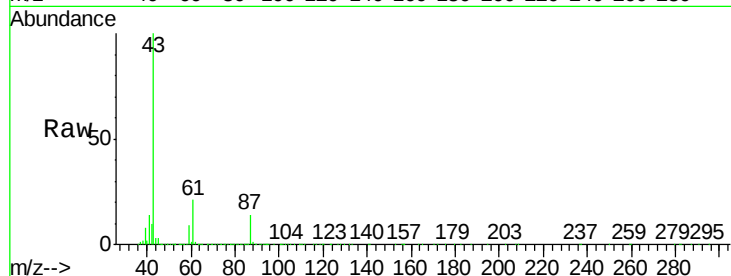
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	392282
Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.1	24.1
87	13.9	11.5	17.3

Manual Integrations
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#44

Trichloroethene

Concen: 46.723 ug/l

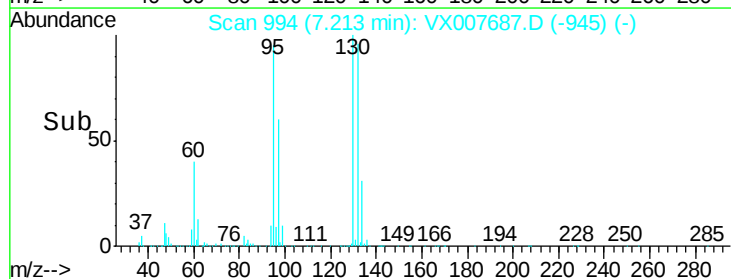
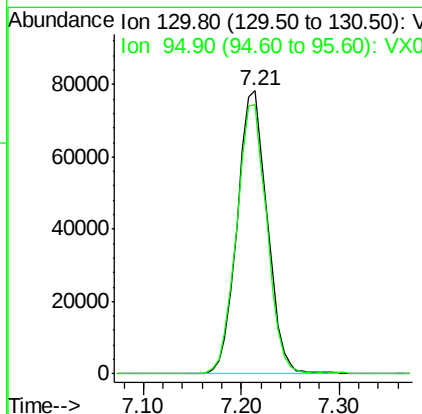
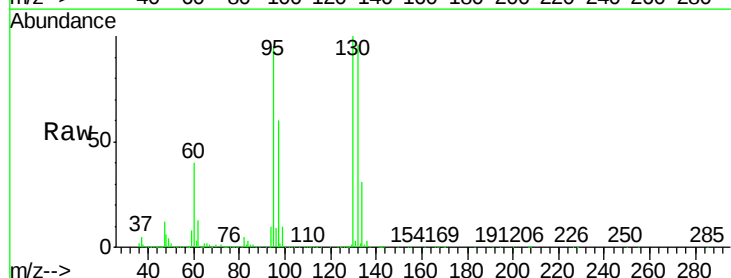
RT: 7.21 min Scan# 994

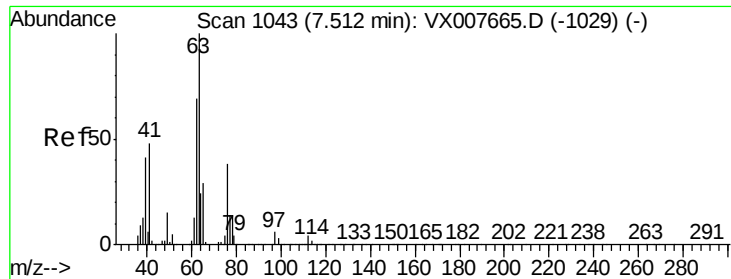
Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion:	130	Resp:	166833
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	180.0





#45

1,2-Dichloropropane

Concen: 50.611 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 170175

Ion Ratio Lower Upper

63 100

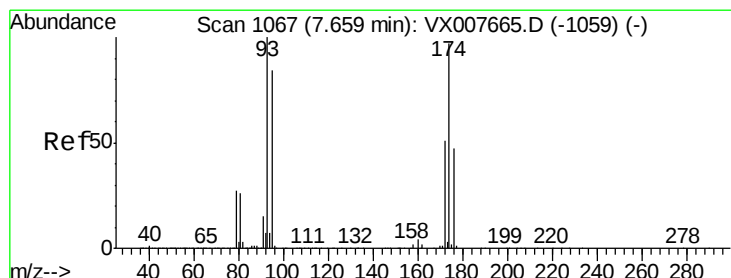
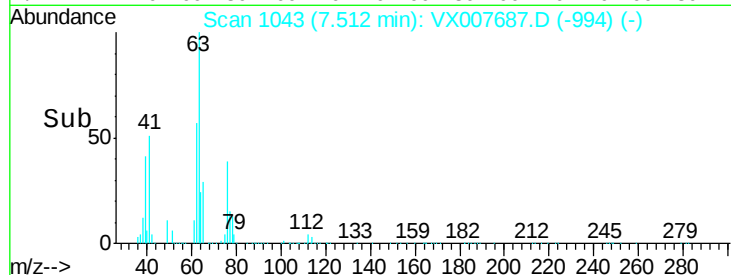
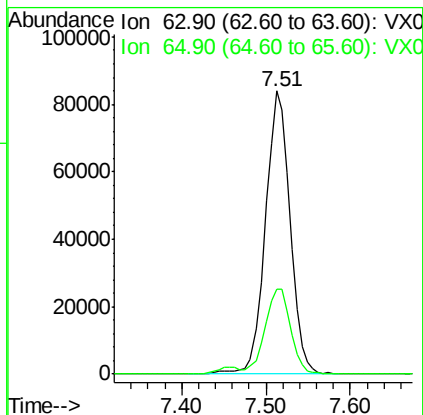
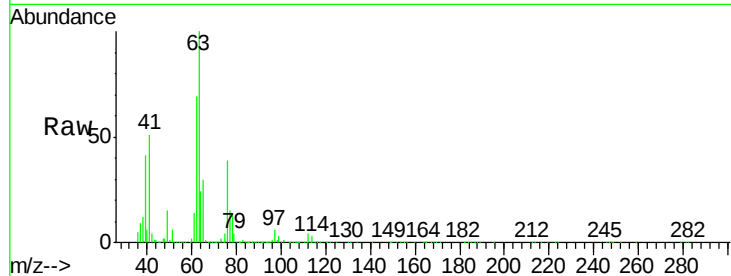
65 30.2 24.2 36.2

Manual Integrations

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#46

Dibromomethane

Concen: 51.798 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

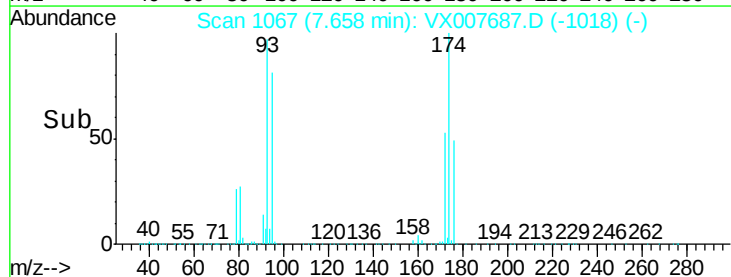
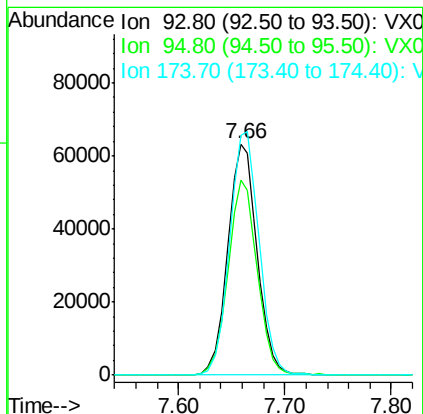
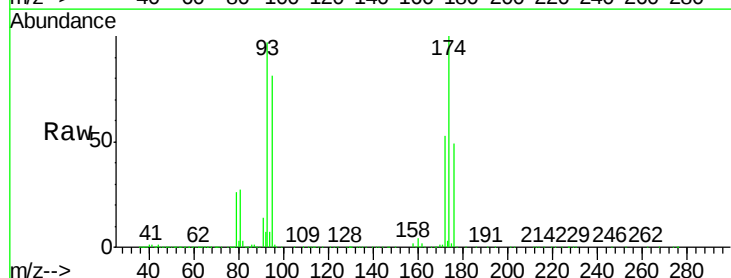
Tgt Ion: 93 Resp: 121504

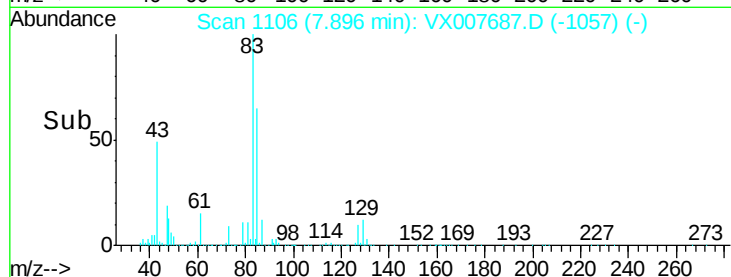
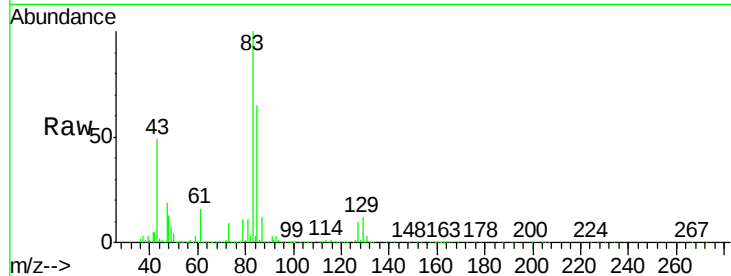
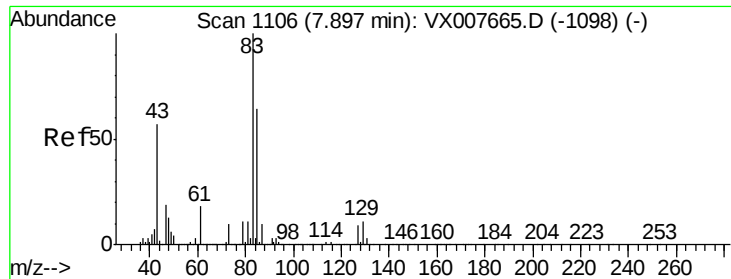
Ion Ratio Lower Upper

93 100

95 83.9 67.6 101.4

174 106.3 94.2 141.4





#47

Bromodichloromethane

Concen: 53.201 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007687.D

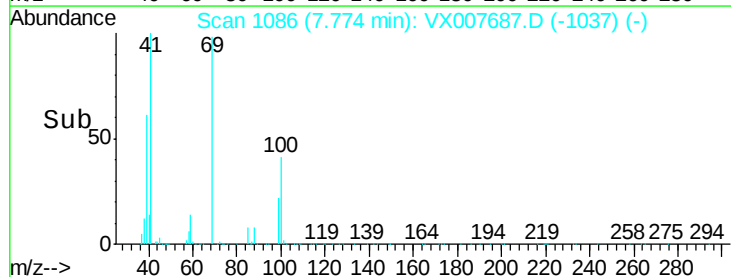
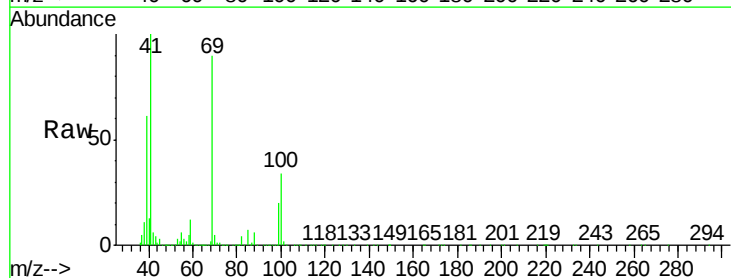
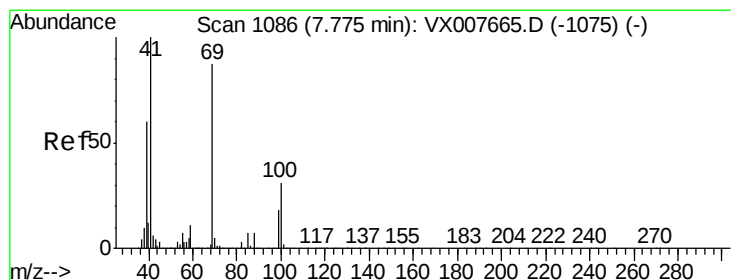
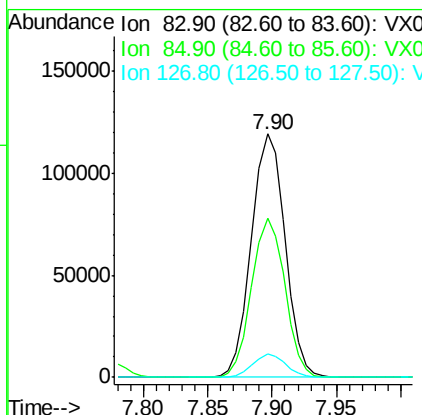
Acq: 26 Feb 2019 00:49

Tot Ion:	83	Resp:	216267
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.0
127	9.8	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.115 ug/l

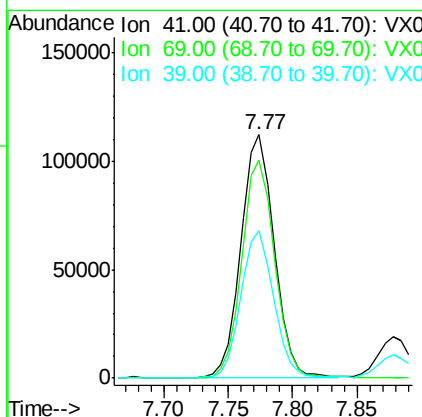
RT: 7.77 min Scan# 1086

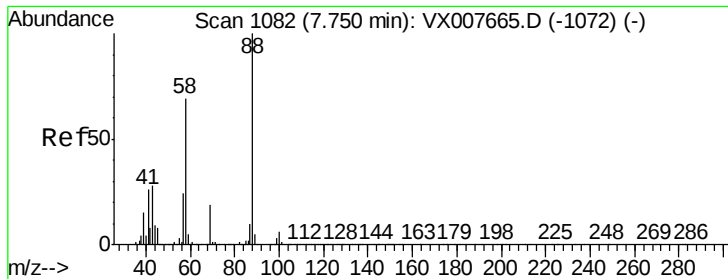
Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion:	41	Resp:	200150
Ion	Ratio	Lower	Upper
41	100		
69	88.9	70.2	105.4
39	60.3	47.4	71.0





#49

1,4-Dioxane

Concen: 1058.275 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

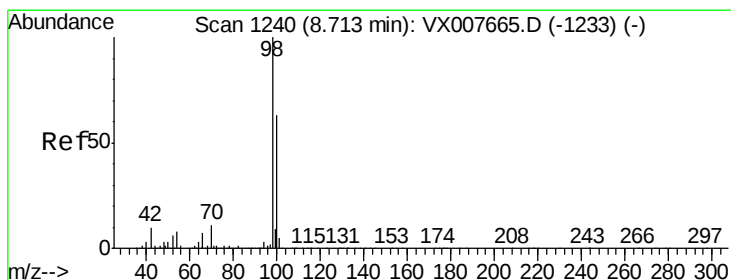
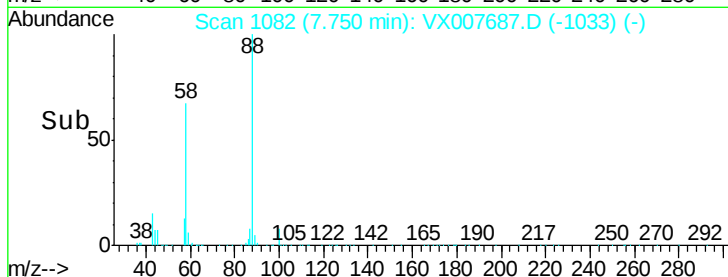
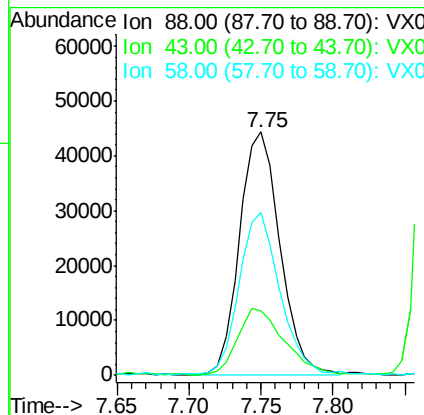
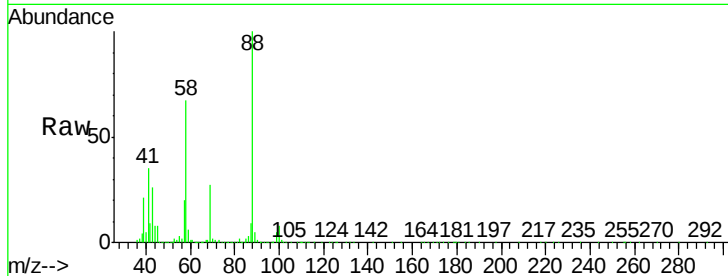
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	86131
Ion Ratio		Lower	Upper
88	100		
43	31.1	24.2	36.4
58	67.8	53.0	79.4

Manual Integrations
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#50

Toluene-d8

Concen: 49.801 ug/l

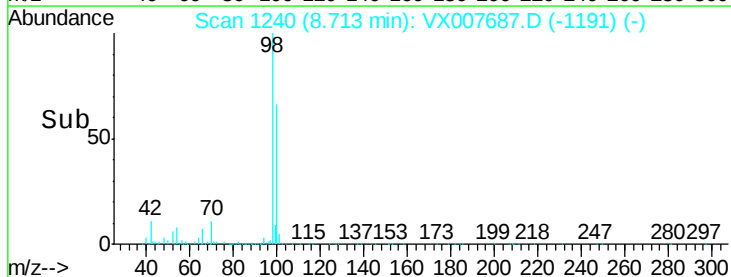
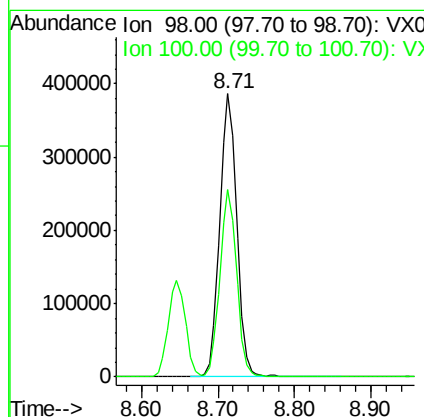
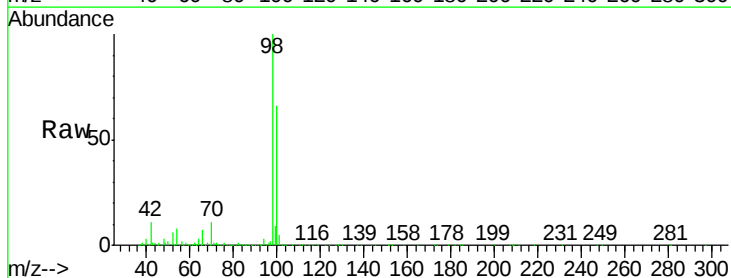
RT: 8.71 min Scan# 1240

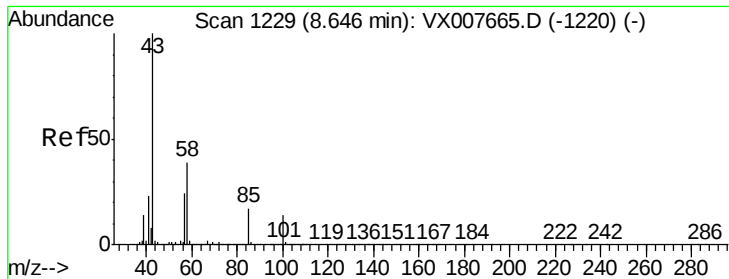
Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion:	98	Resp:	596092
Ion Ratio		Lower	Upper
98	100		
100	65.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 274.502 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1320914

Ion Ratio Lower Upper

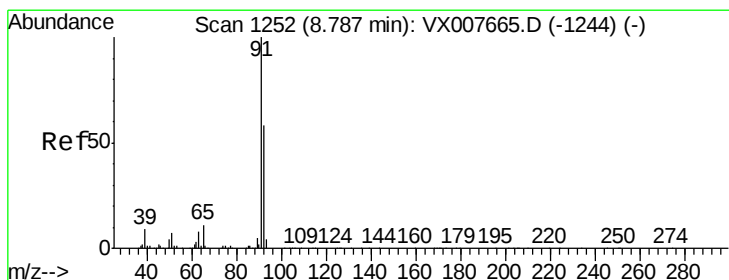
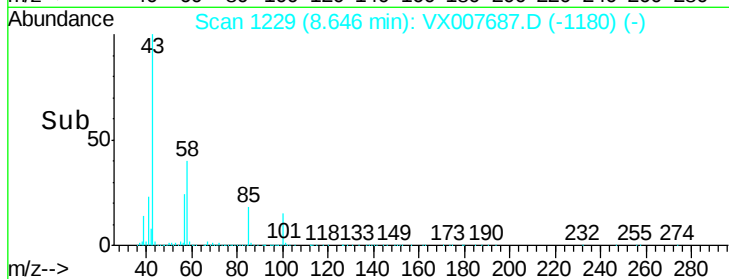
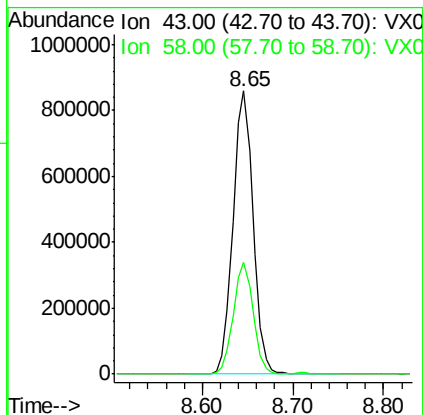
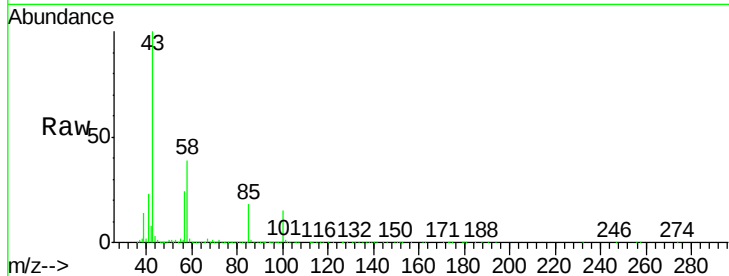
43 100

58 38.8 31.2 46.8

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#52

Toluene

Concen: 49.401 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007687.D

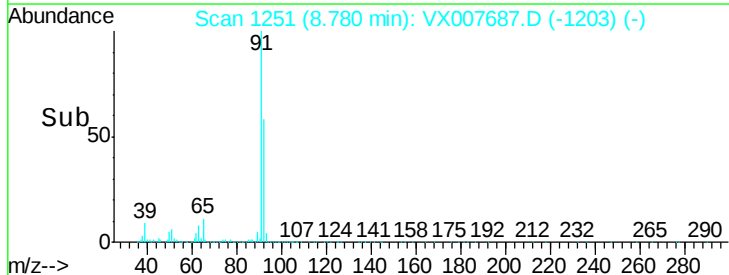
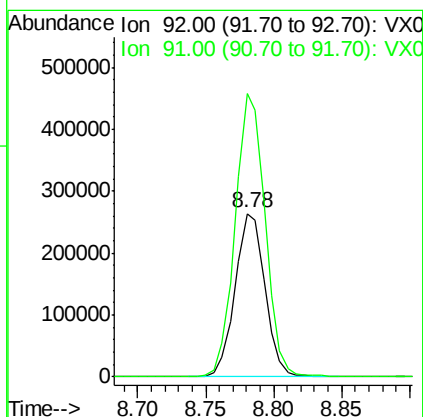
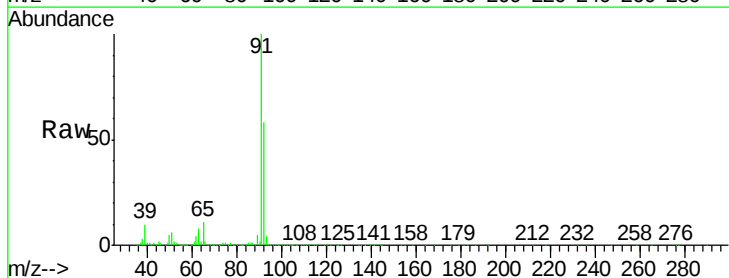
Acq: 26 Feb 2019 00:49

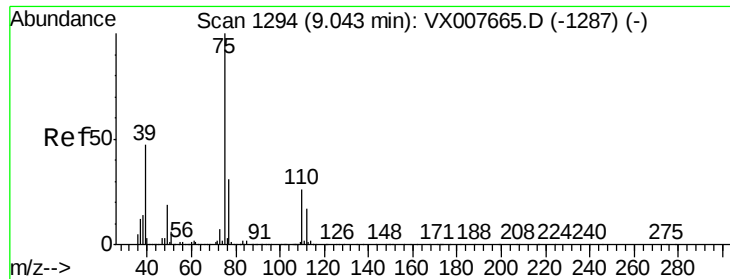
Tgt Ion: 92 Resp: 404351

Ion Ratio Lower Upper

92 100

91 173.8 139.1 208.7





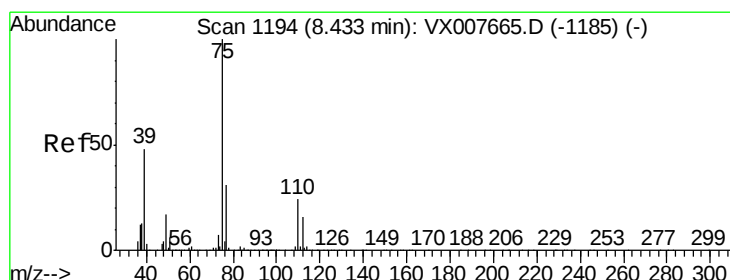
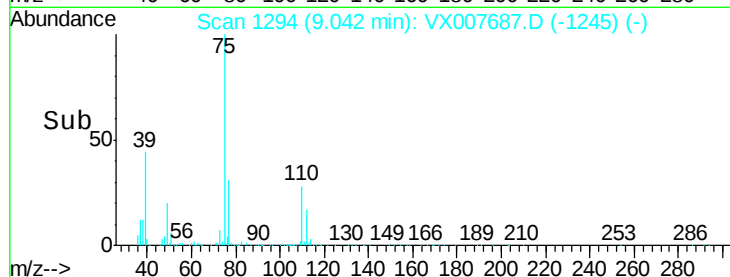
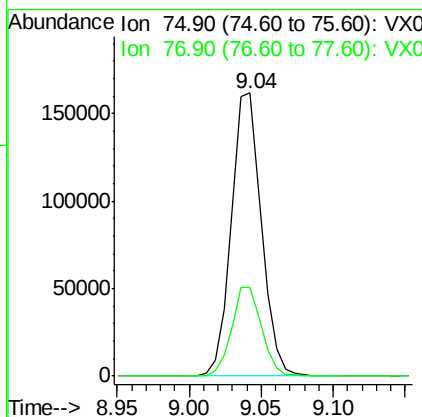
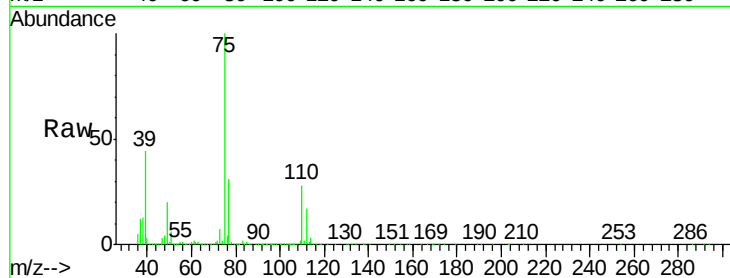
#53
t-1,3-Dichloropropene
Concen: 46.992 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8

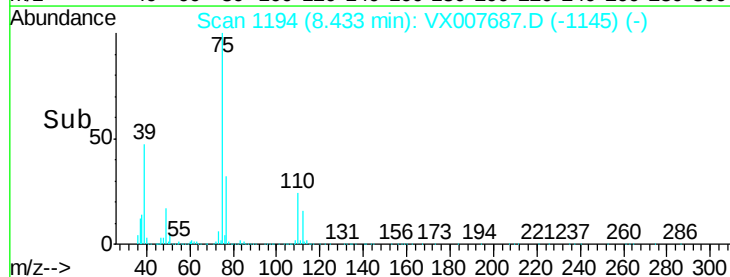
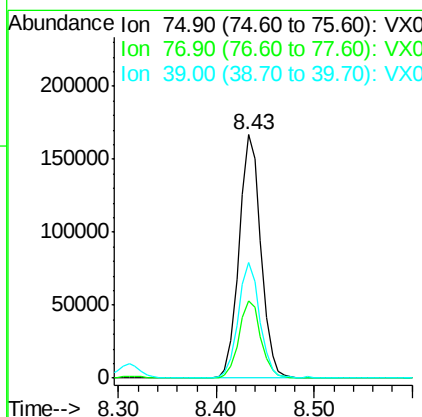
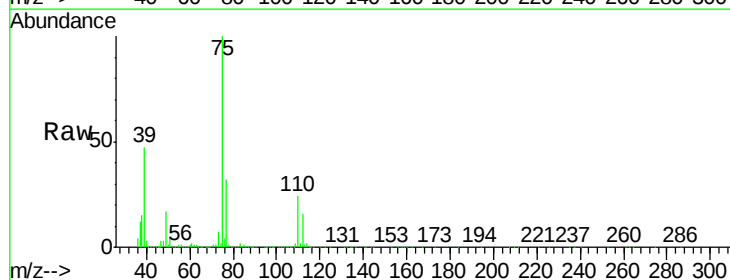
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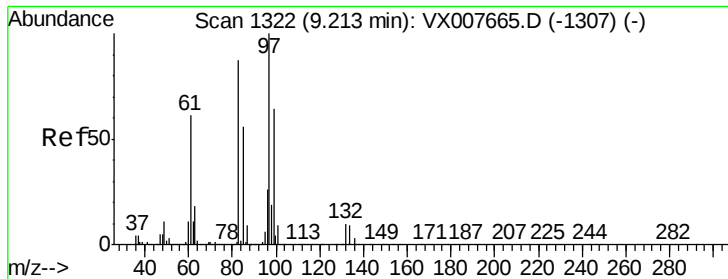
MMDadoda
2/26/2019 3:04:59 PM



#54
cis-1,3-Dichloropropene
Concen: 52.077 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.2	39.4
39	47.1	37.1	55.7





#55

1,1,2-Trichloroethane

Concen: 54.693 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

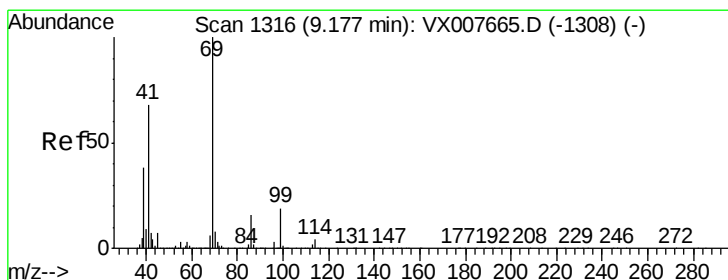
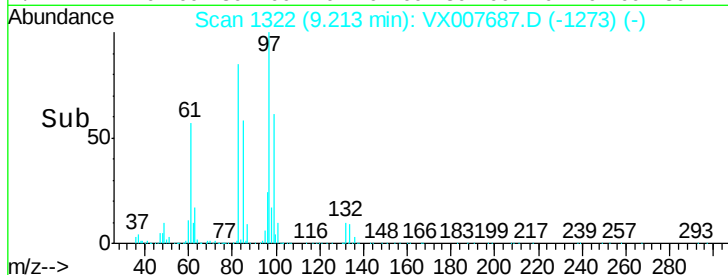
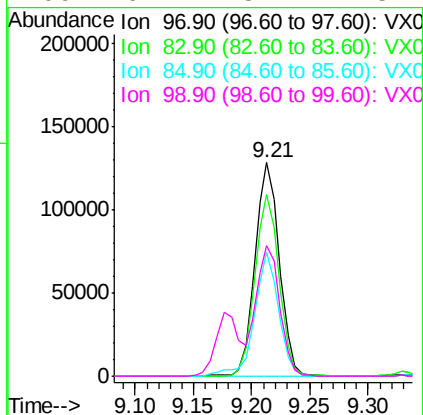
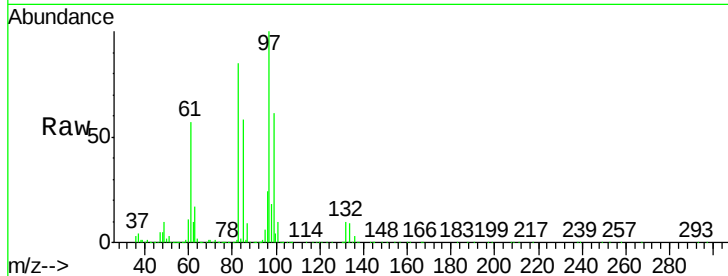
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	186681
Ion Ratio	Lower	Upper	
97	100		
83	85.3	68.6	102.8
85	57.8	44.5	66.7
99	61.2	52.2	78.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 55.769 ug/l

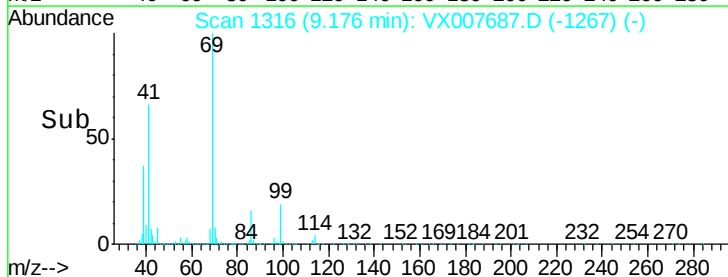
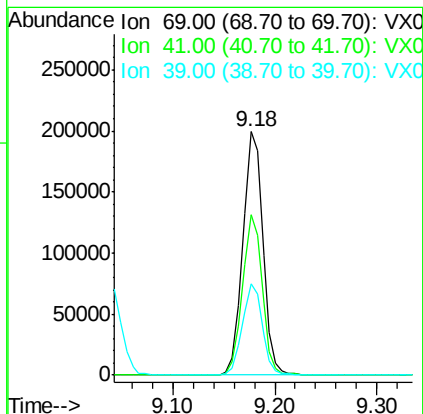
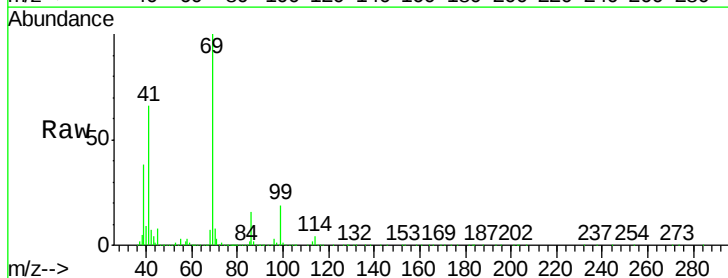
RT: 9.18 min Scan# 1316

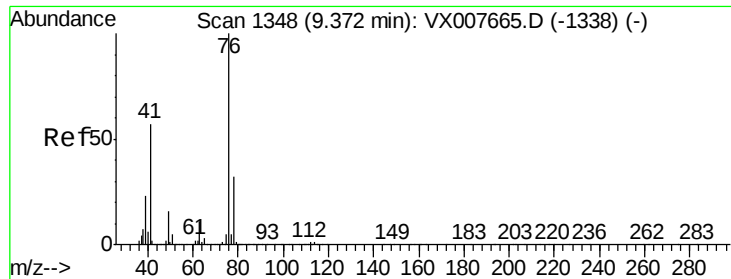
Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion:	69	Resp:	270698
Ion Ratio	Lower	Upper	
69	100		
41	64.3	52.1	78.1
39	37.1	30.1	45.1





#57

1,3-Dichloropropane

Concen: 53.621 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 292976

Ion Ratio Lower Upper

76 100

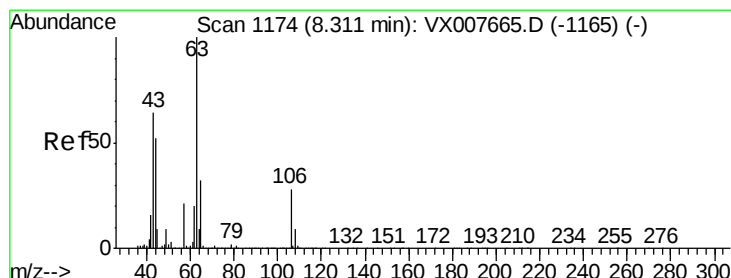
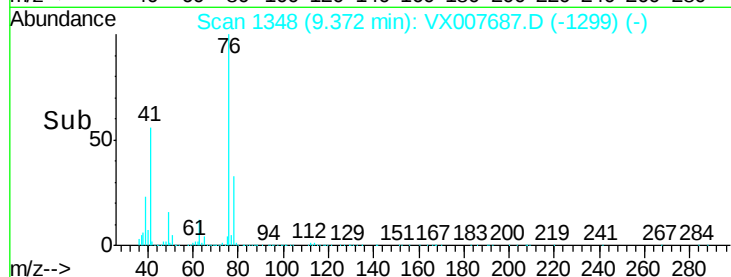
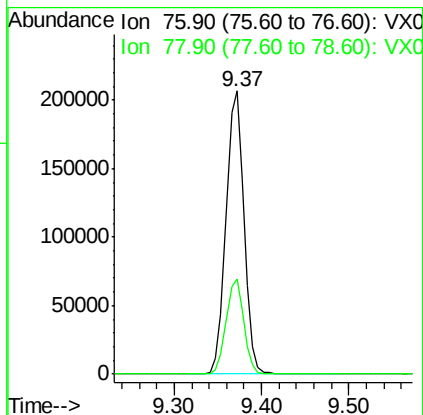
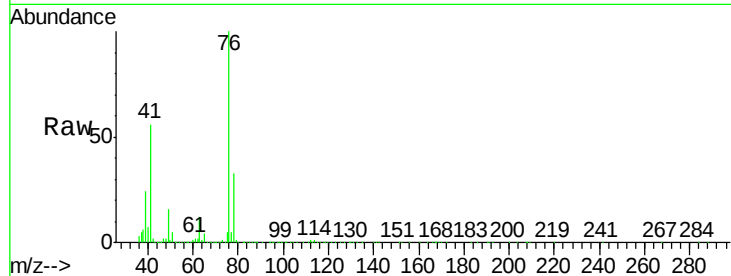
78 33.2 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 261.011 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007687.D

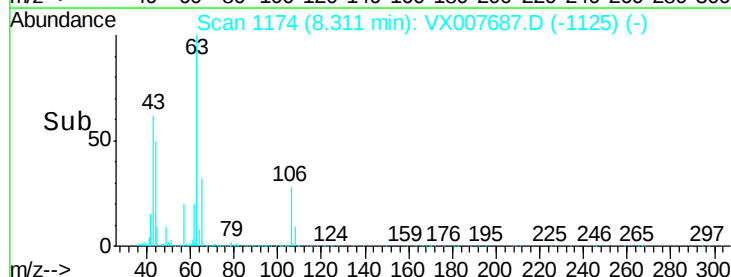
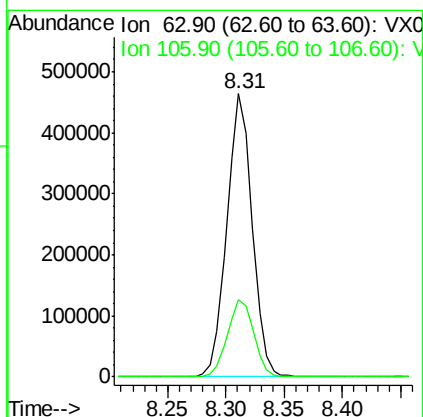
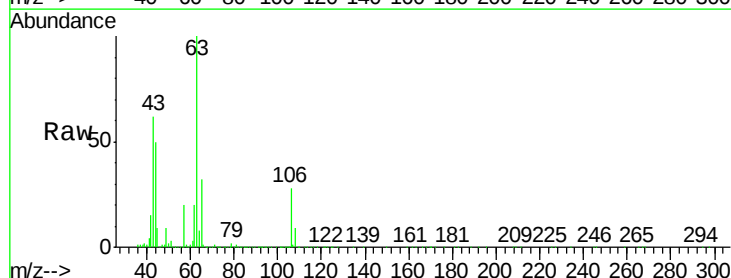
Acq: 26 Feb 2019 00:49

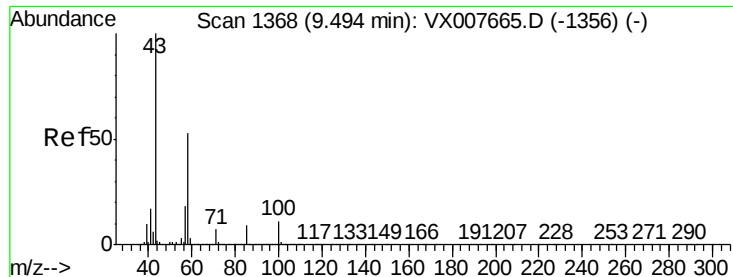
Tgt Ion: 63 Resp: 698639

Ion Ratio Lower Upper

63 100

106 28.8 23.6 35.4





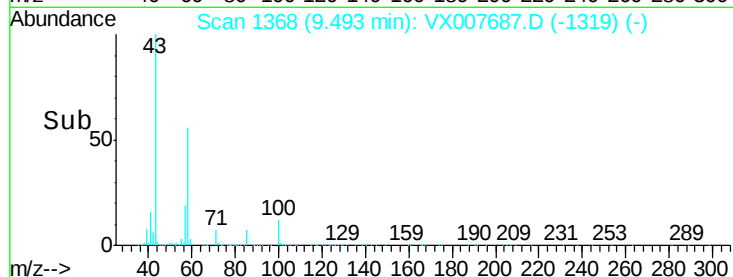
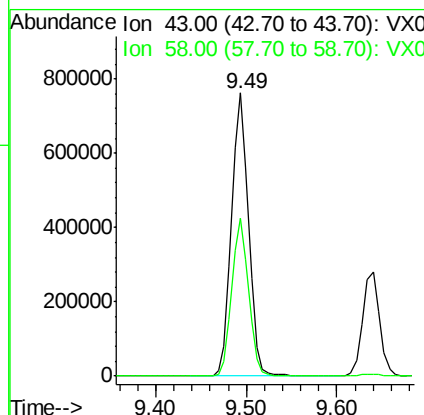
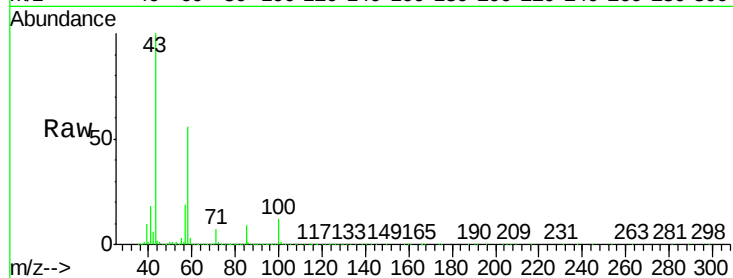
#59
2-Hexanone
Concen: 263.053 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 993787
Ion Ratio Lower Upper
43 100
58 55.1 27.1 81.3

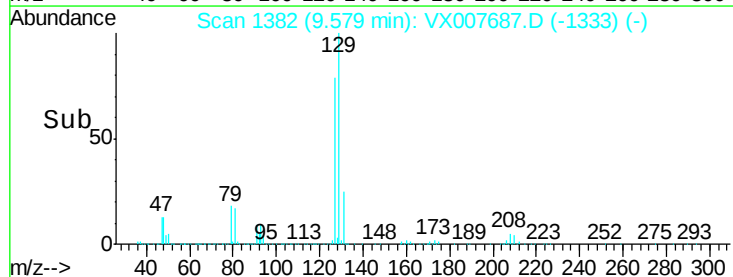
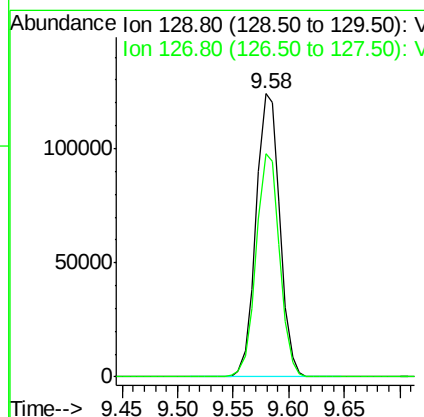
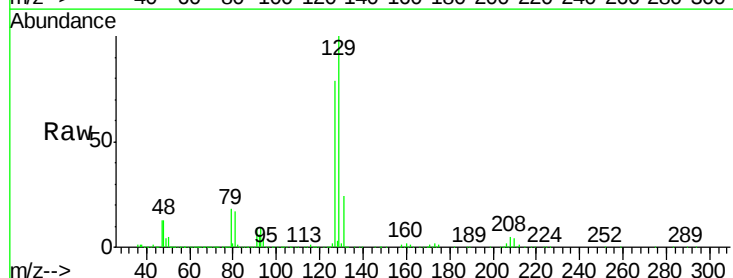
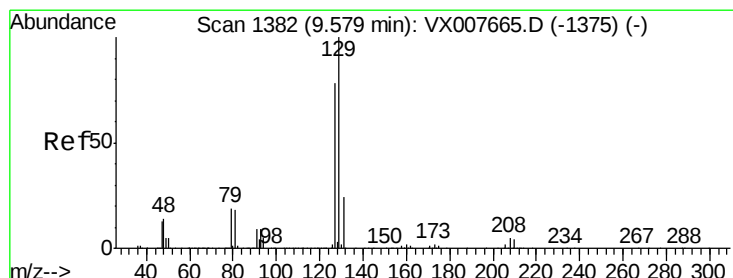
Manual Integrations
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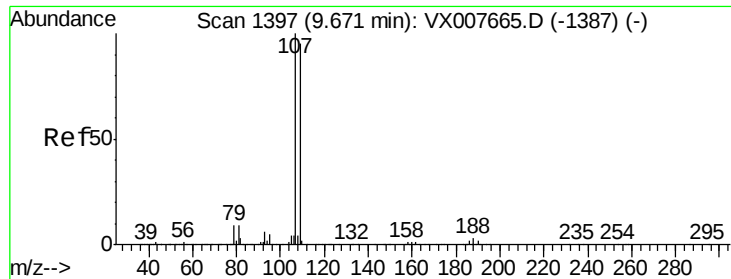
MMDadoda
2/26/2019 3:04:59 PM



#60
Dibromochloromethane
Concen: 56.463 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion: 129 Resp: 185443
Ion Ratio Lower Upper
129 100
127 78.0 37.8 113.4





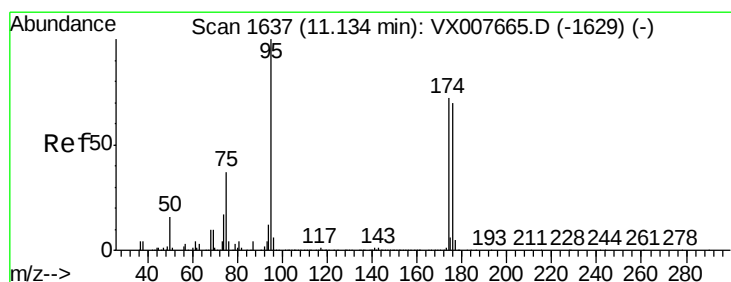
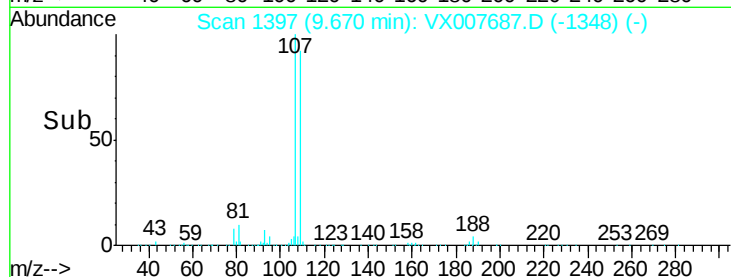
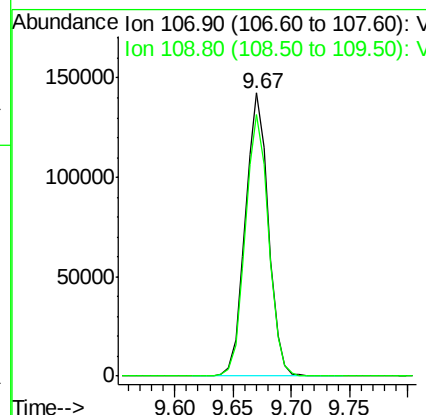
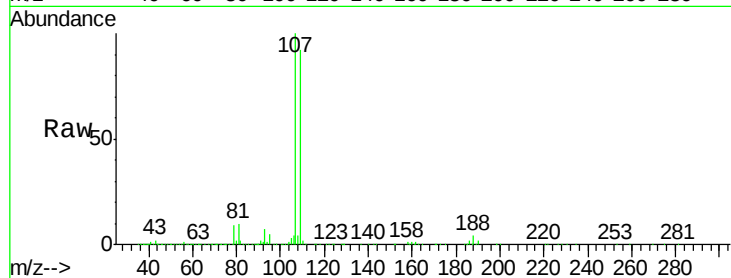
#61
 1,2-Dibromoethane
 Concen: 55.708 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX007687.D
 Acq: 26 Feb 2019 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.1	112.7

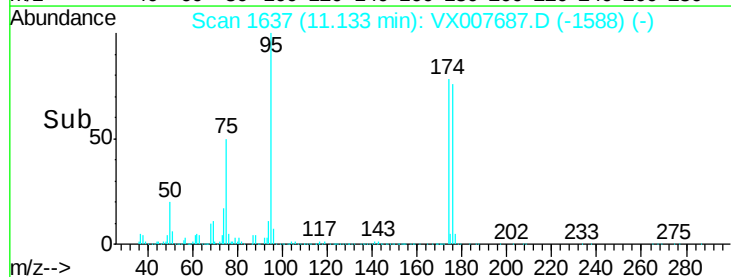
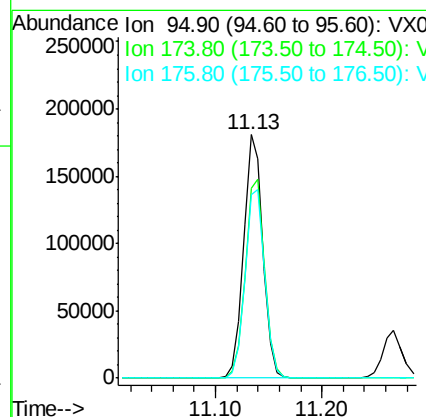
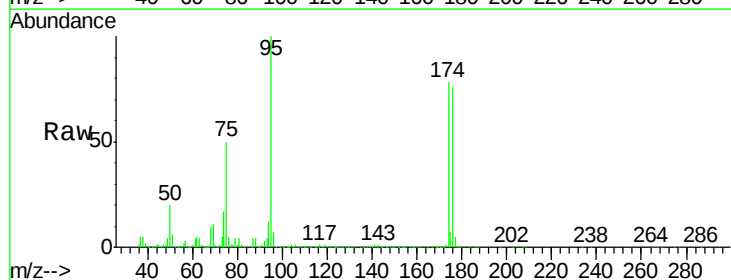
Manual Integrations
 APPROVED

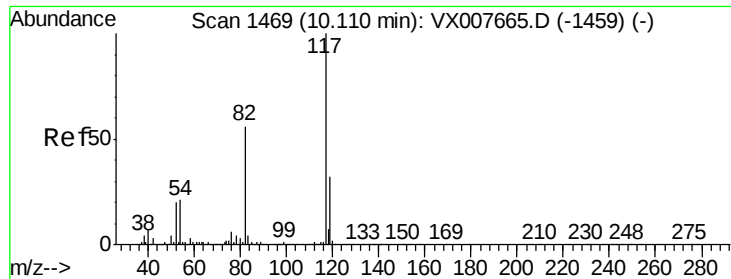
MMDadoda
 2/26/2019 3:04:59 PM



#62
 4-Bromofluorobenzene
 Concen: 51.938 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX007687.D
 Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	189.2
176	79.7	0.0	186.2





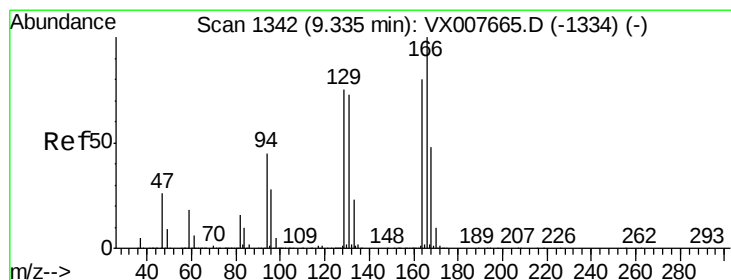
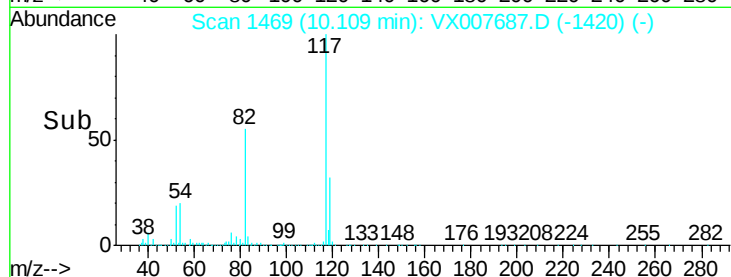
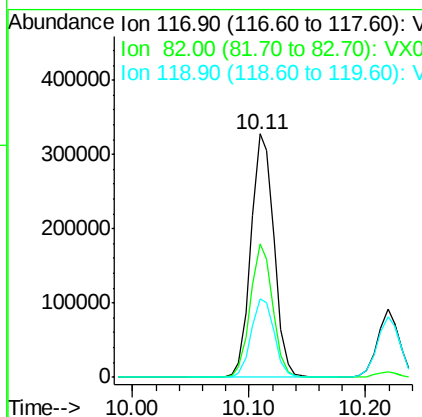
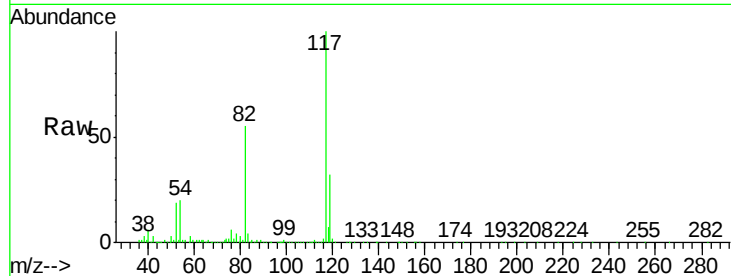
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.1	63.1
119	32.2	26.5	39.7

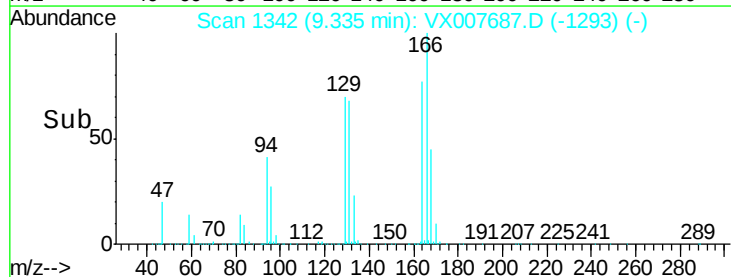
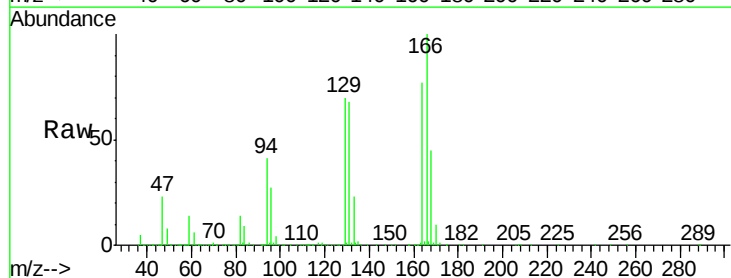
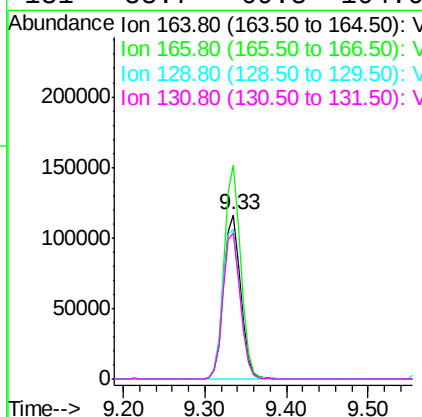
Manual Integrations
APPROVED

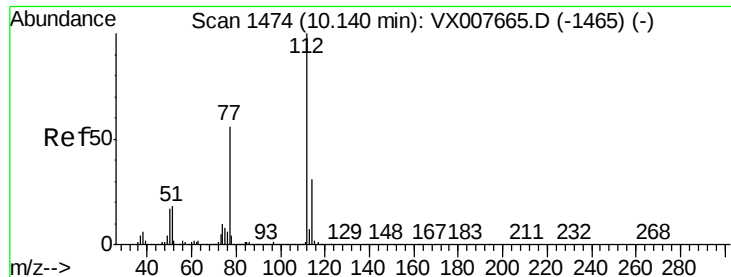
MMDadoda
2/26/2019 3:04:59 PM



#64
Tetrachloroethene
Concen: 45.931 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	101.0	151.4
129	91.0	70.5	105.7
131	88.7	69.8	104.6





#65

Chlorobenzene

Concen: 48.292 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 473776

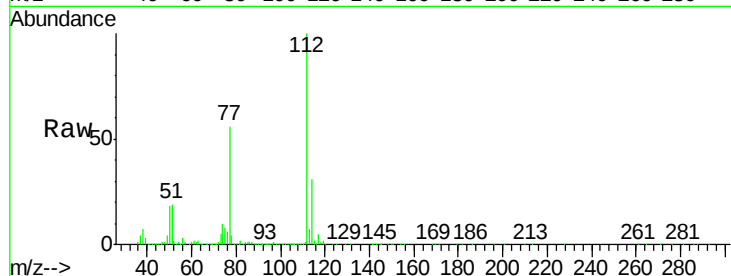
Ion Ratio Lower Upper

112 100

114 31.3 25.8 38.6

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

400000

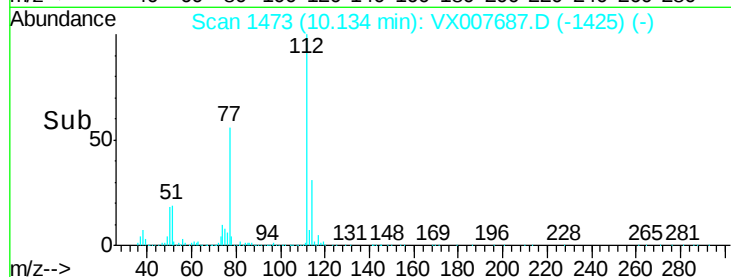
300000

200000

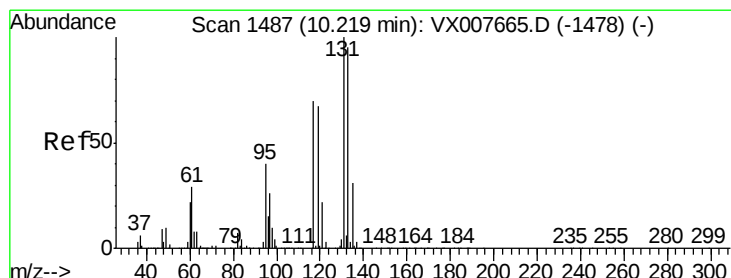
100000

0

Time-->



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.358 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

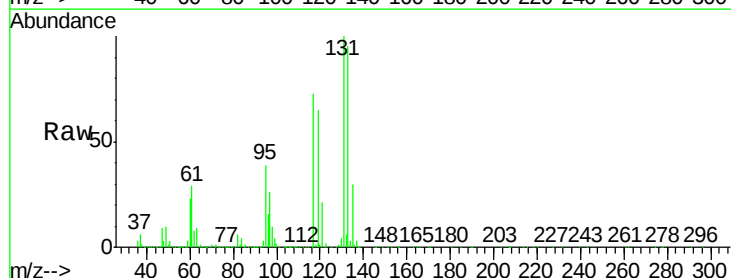
Tgt Ion:131 Resp: 172333

Ion Ratio Lower Upper

131 100

133 93.2 48.0 144.2

119 64.8 32.0 96.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

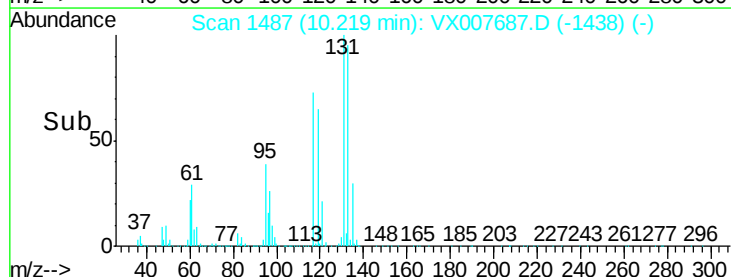
150000

100000

50000

0

Time-->





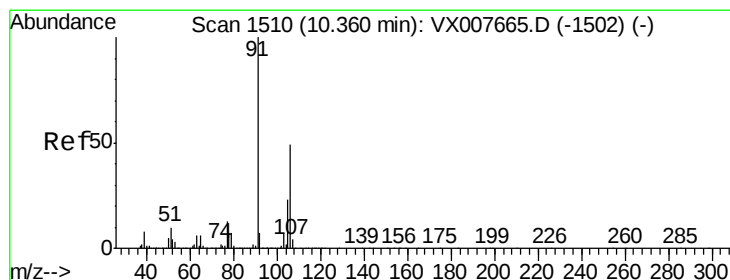
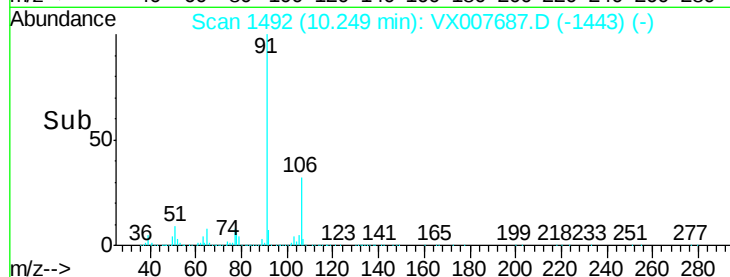
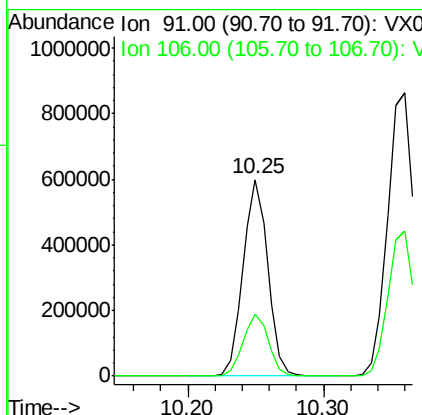
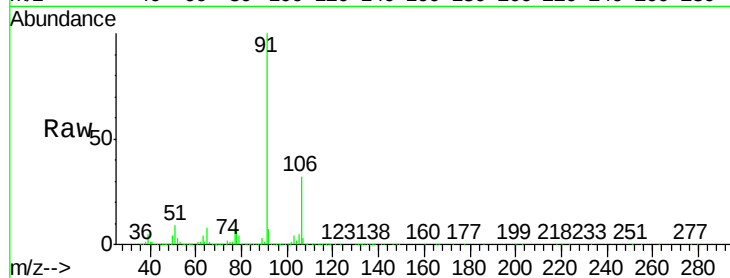
#67
Ethyl Benzene
Concen: 46.954 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 763090
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0

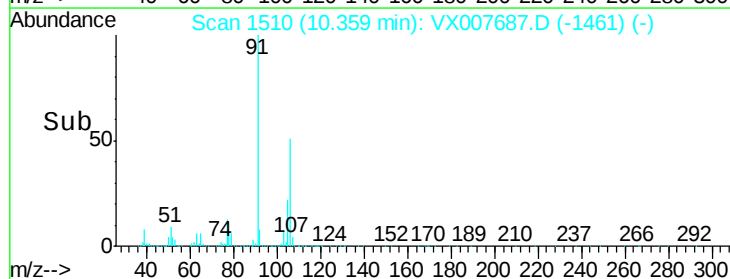
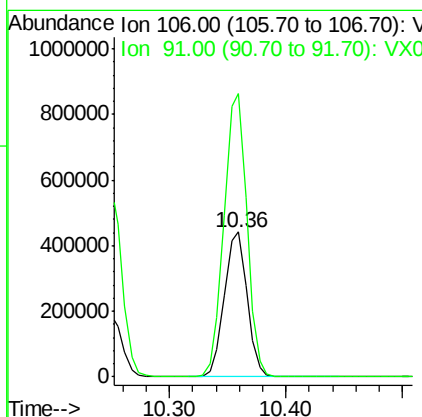
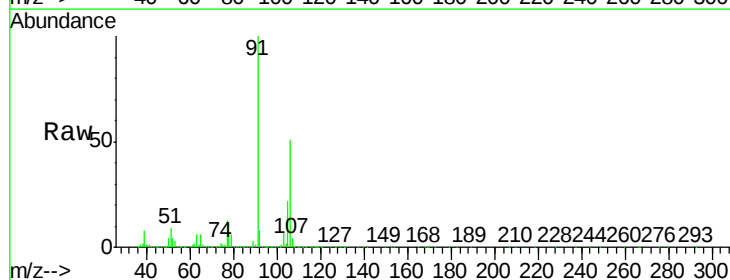
Manual Integrations
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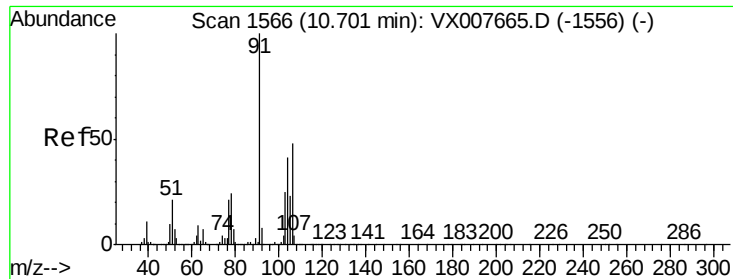
MMDadoda
2/26/2019 3:04:59 PM



#68
m/p-Xylenes
Concen: 94.357 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion: 106 Resp: 596563
Ion Ratio Lower Upper
106 100
91 197.4 156.6 234.8





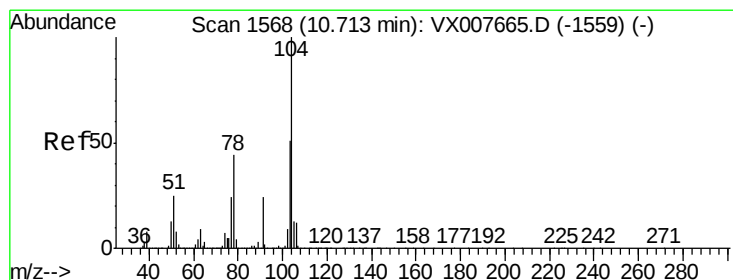
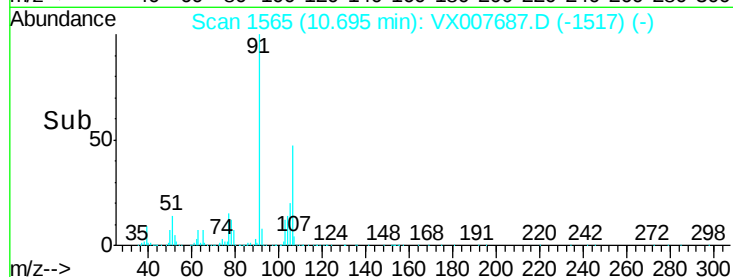
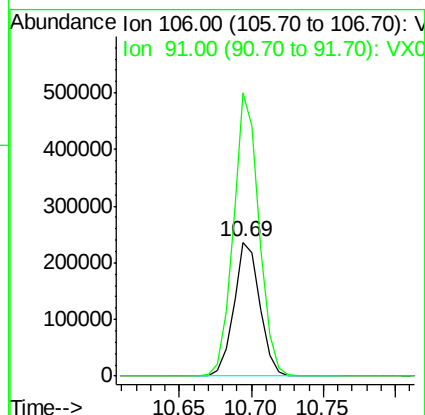
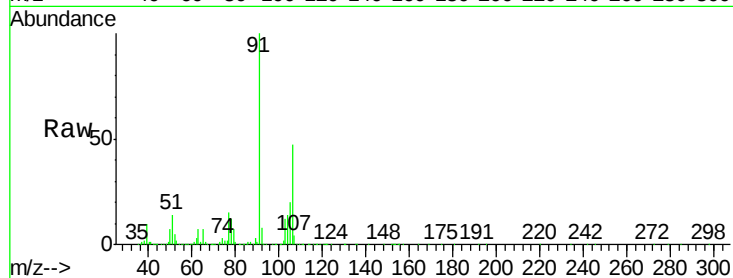
#69
o-Xylene
Concen: 49.039 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.0	102.9	308.7

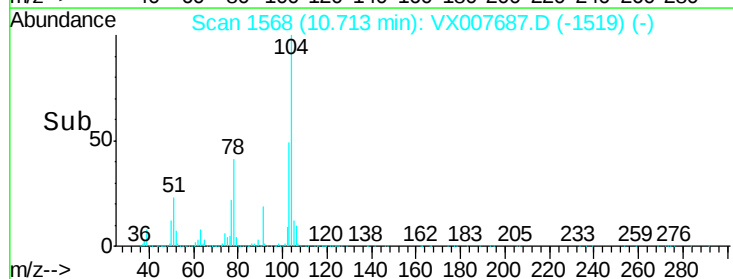
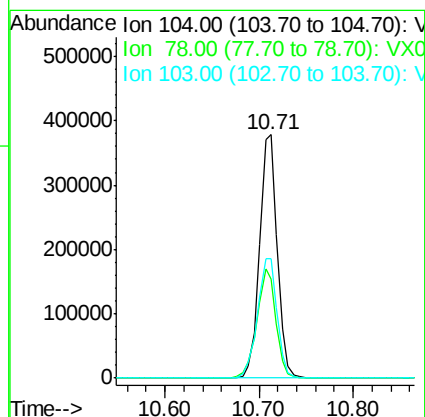
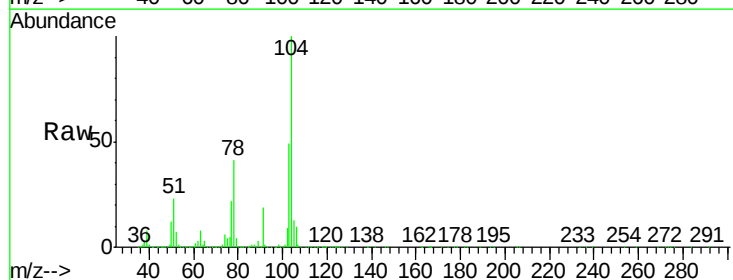
Manual Integrations
APPROVED

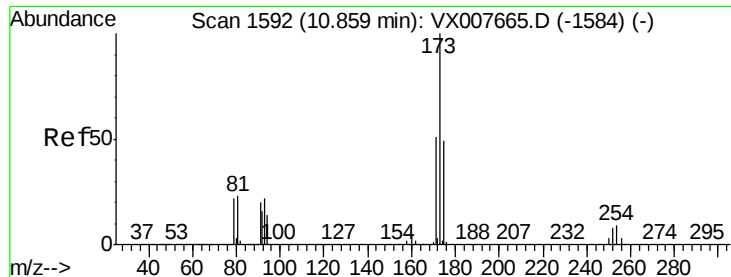
MMDadoda
2/26/2019 3:04:59 PM



#70
Styrene
Concen: 50.440 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.3	57.5
103	54.7	44.6	67.0





#71

Bromoform

Concen: 52.520 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

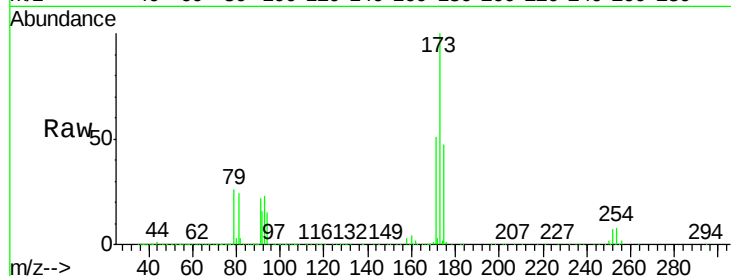
ClientSampled :

VSTDCCC050

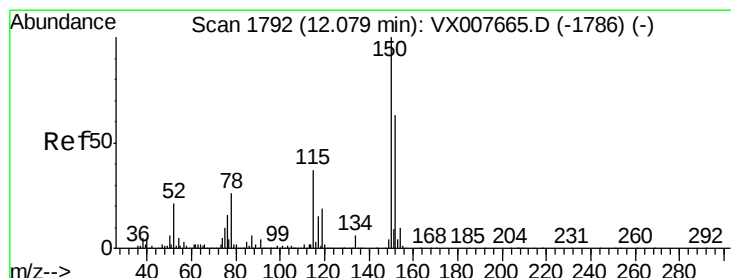
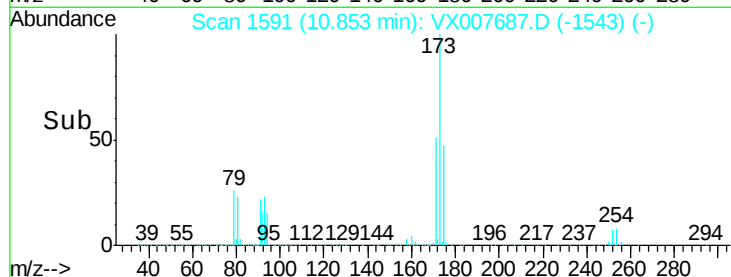
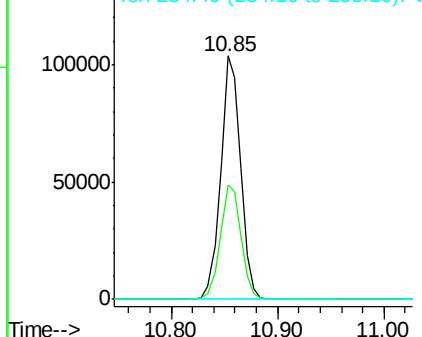
Tot Ion:	173	Resp:	134777
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.2	72.6
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

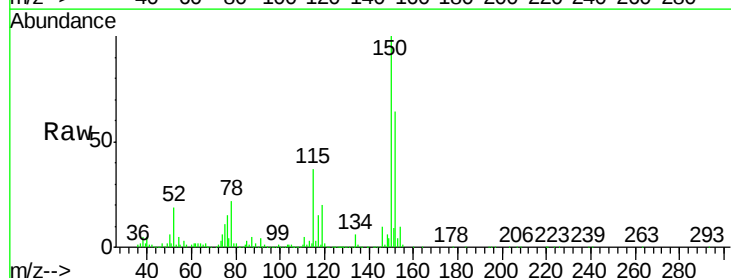
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

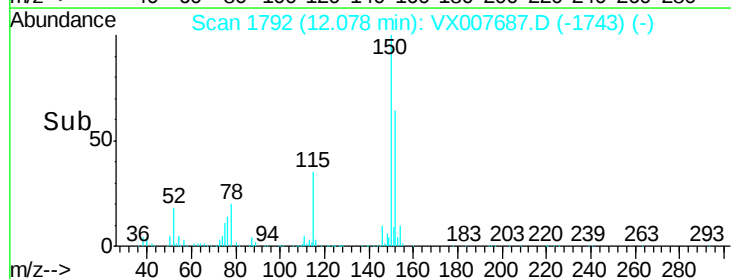
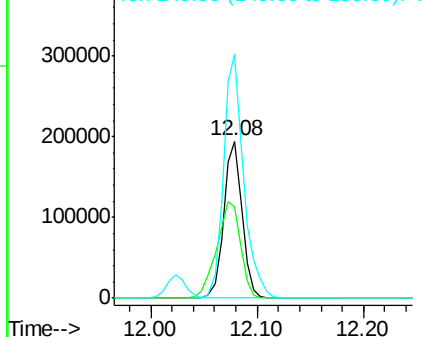
Lab File: VX007687.D

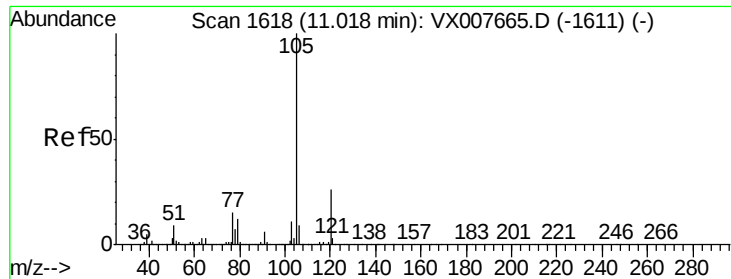
Acq: 26 Feb 2019 00:49

Tgt Ion:	152	Resp:	231287
Ion Ratio	Lower	Upper	
152	100		
115	79.7	38.0	114.0
150	171.7	0.0	346.4



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





#73

Isopropylbenzene

Concen: 44.653 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 738128

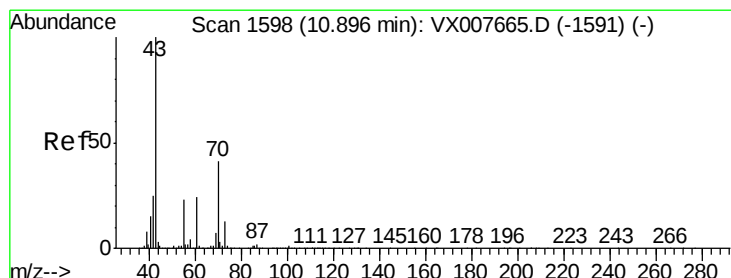
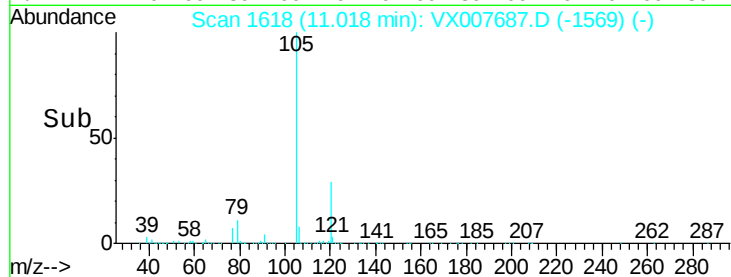
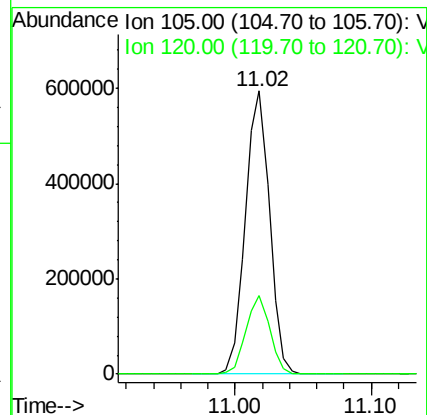
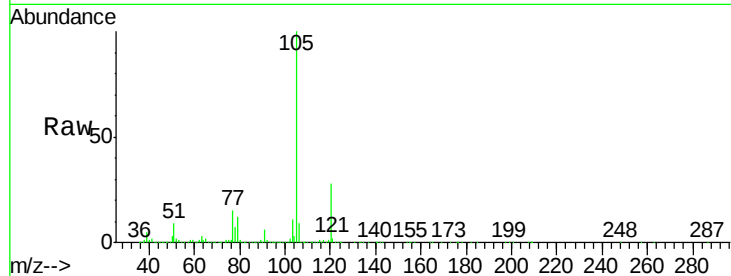
Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 50.950 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion: 43 Resp: 365745

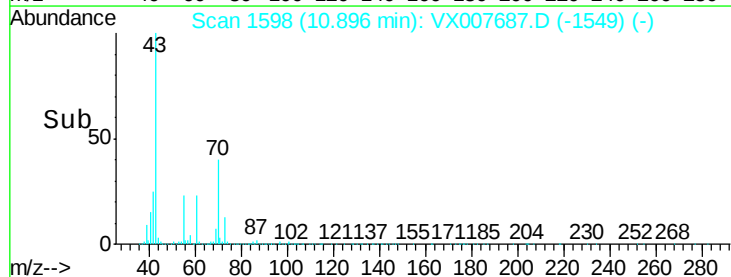
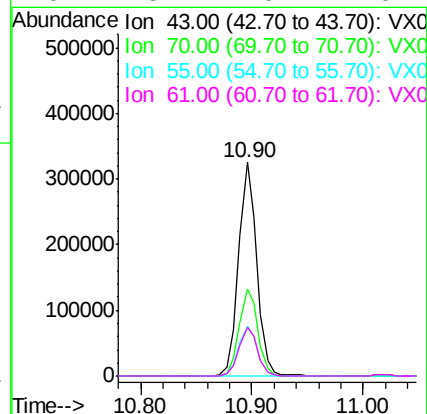
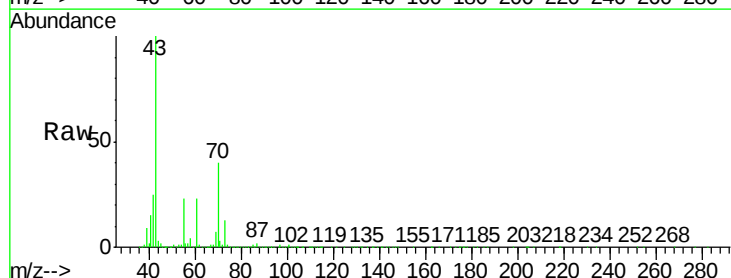
Ion Ratio Lower Upper

43 100

70 42.3 33.8 50.6

55 24.2 19.5 29.3

61 23.4 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 47.162 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

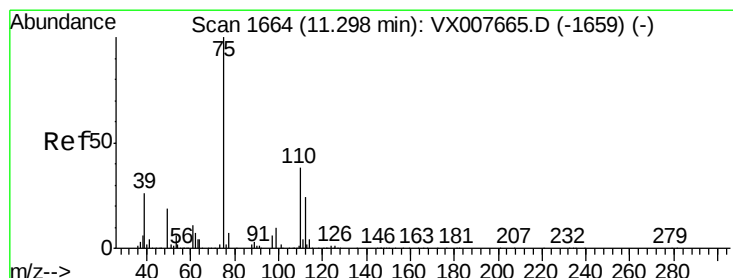
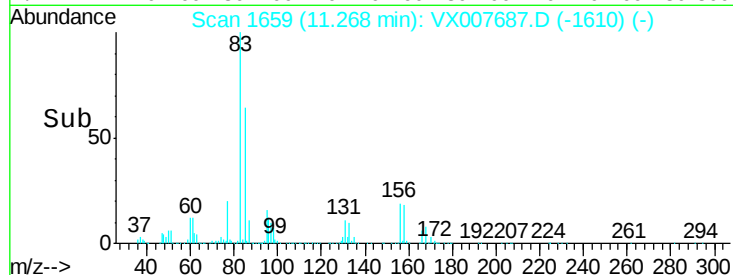
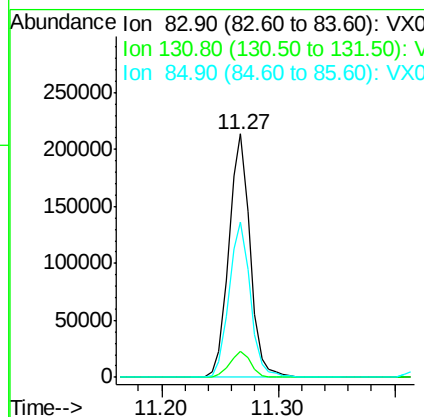
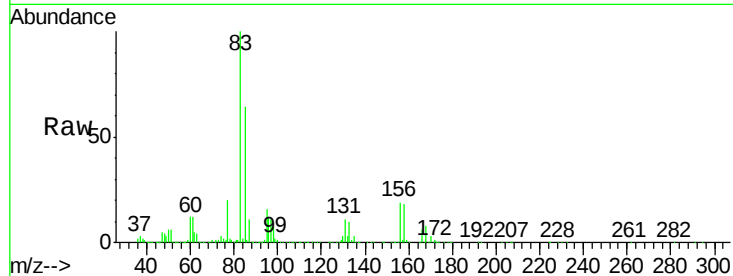
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	269641
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.7	17.0
85	64.5	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.303 ug/l m

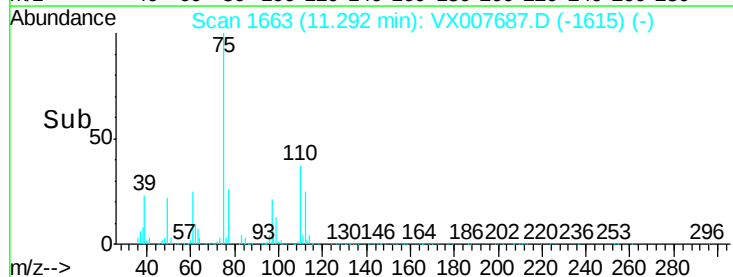
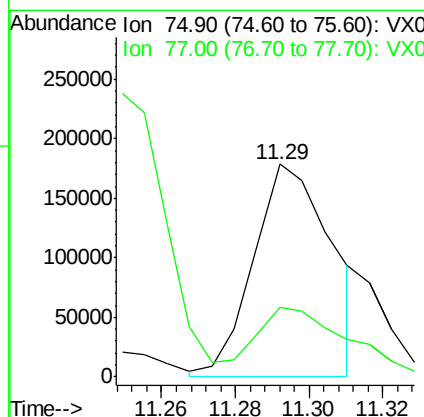
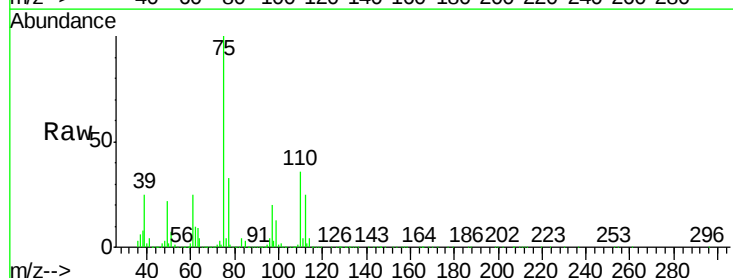
RT: 11.29 min Scan# 1663

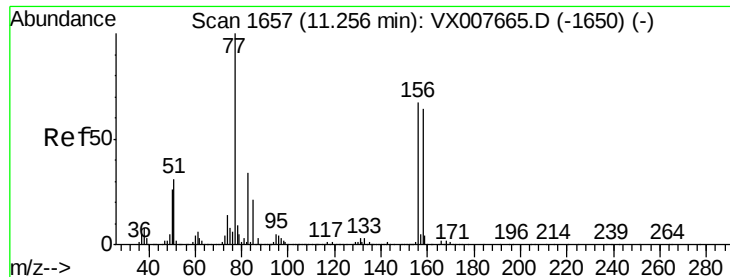
Delta R.T. -0.01 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion:	75	Resp:	262782
Ion Ratio	Lower	Upper	
75	100		
77	39.4	23.0	69.0





#77

Bromobenzene

Concen: 50.124 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 207823

Ion Ratio Lower Upper

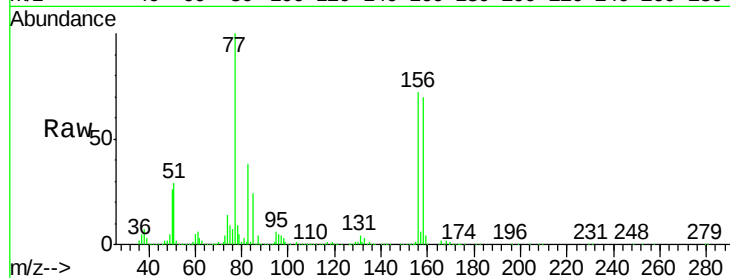
156 100

77 149.0 66.8 200.6

158 96.8 47.9 143.8

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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

300000

250000

200000

150000

100000

50000

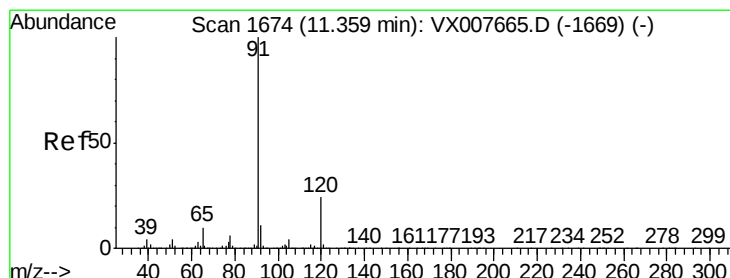
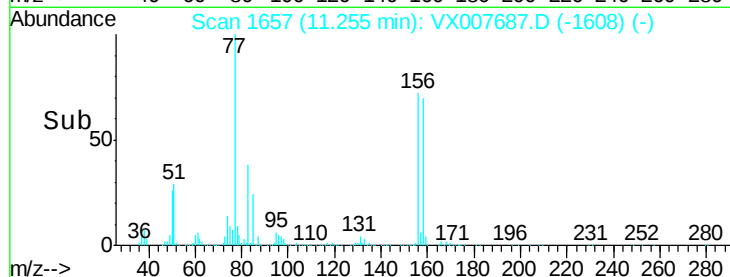
0

11.20

11.30

11.40

Time-->



#78

n-propylbenzene

Concen: 45.734 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007687.D

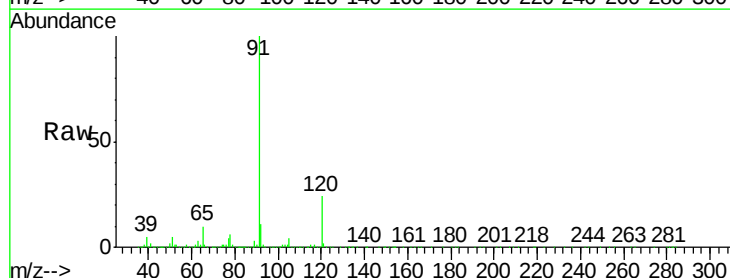
Acq: 26 Feb 2019 00:49

Tgt Ion: 91 Resp: 854288

Ion Ratio Lower Upper

91 100

120 23.9 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

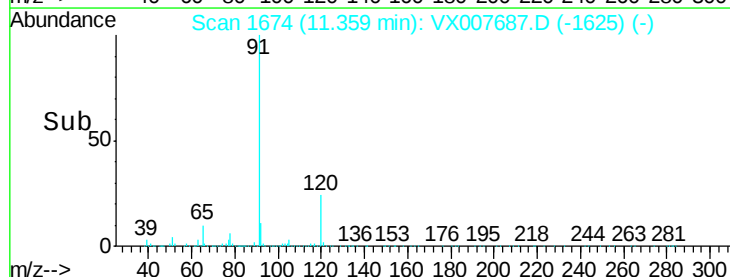
0

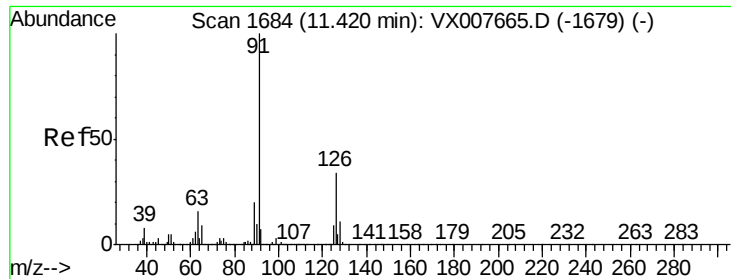
11.30

11.35

11.40

Time-->





#79

2-Chlorotoluene

Concen: 46.886 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 527350

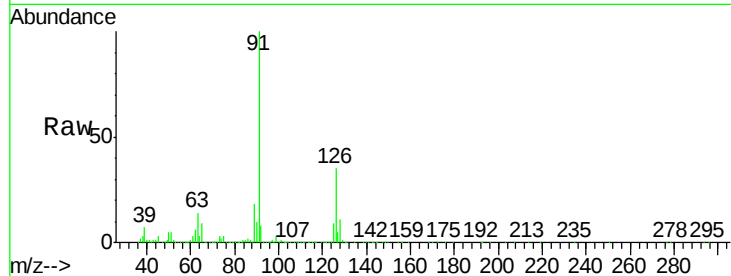
Ion Ratio Lower Upper

91 100

126 34.9 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VX007665.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007665.D (-1679) (-)

800000

600000

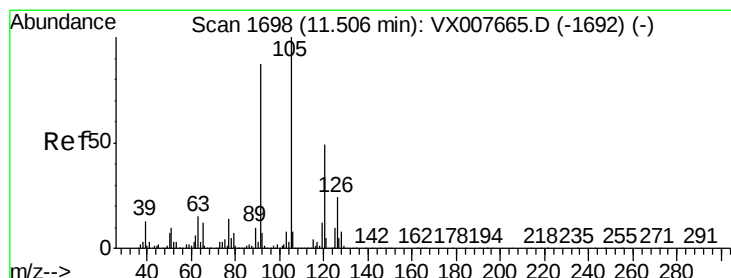
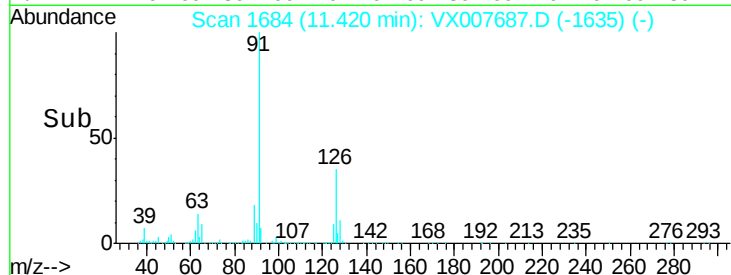
400000

200000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.542 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007687.D

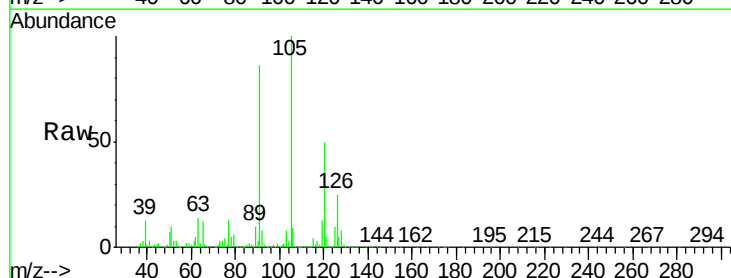
Acq: 26 Feb 2019 00:49

Tgt Ion: 105 Resp: 632837

Ion Ratio Lower Upper

105 100

120 49.2 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007665.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007665.D (-1692) (-)

600000

500000

400000

300000

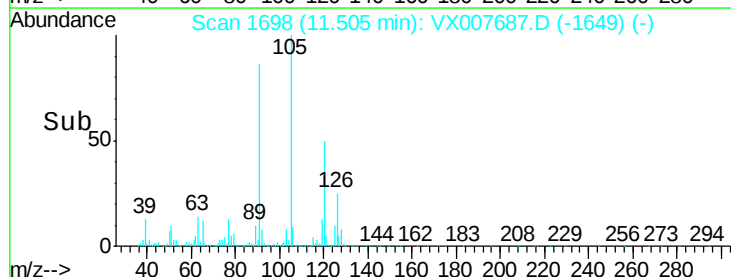
200000

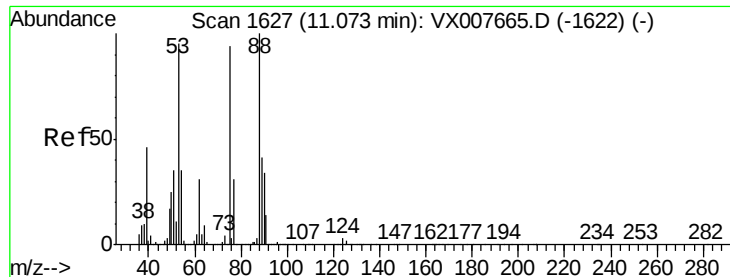
100000

0

11.45 11.50 11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 42.395 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

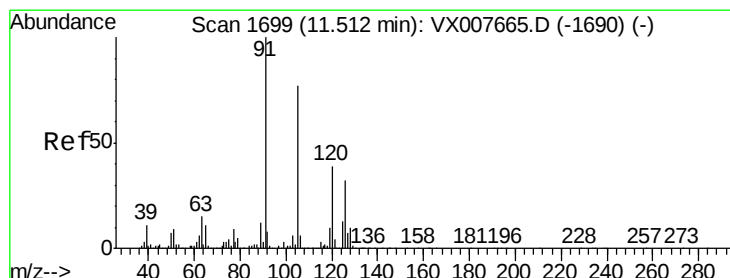
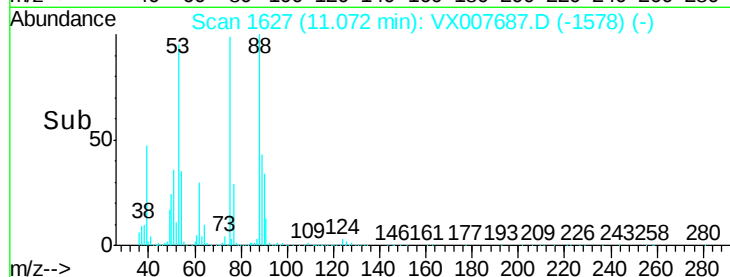
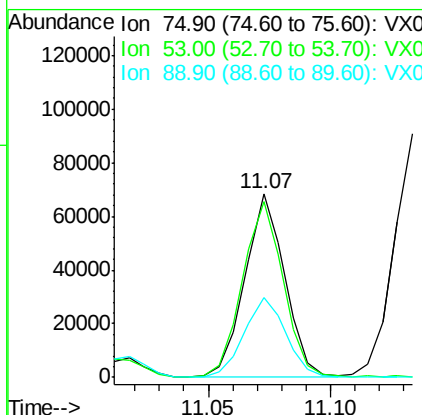
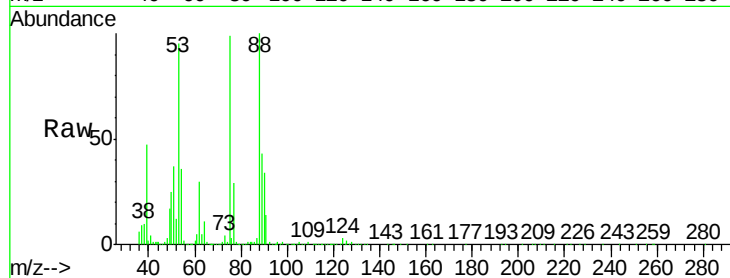
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	77100
Ion	Ratio	Lower	Upper
75	100		
53	98.8	81.0	121.6
89	45.7	41.4	62.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.604 ug/l

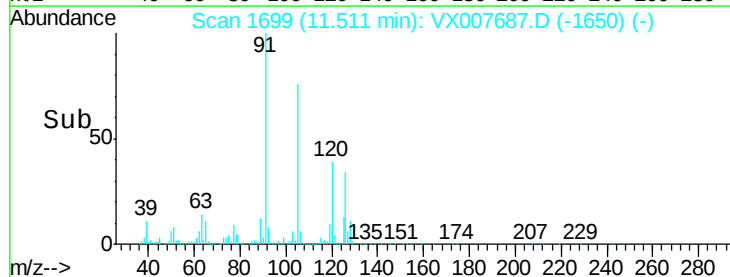
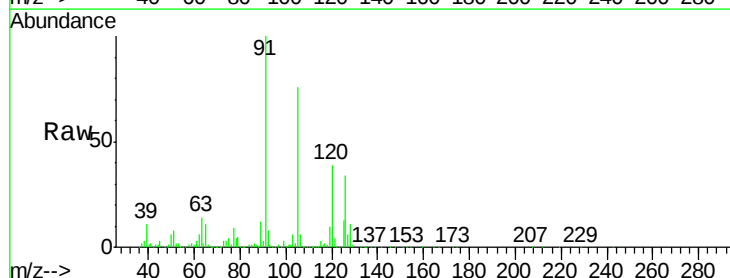
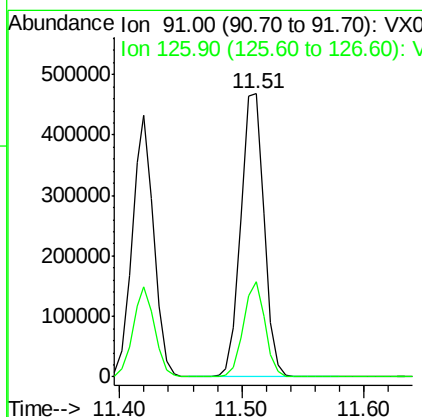
RT: 11.51 min Scan# 1699

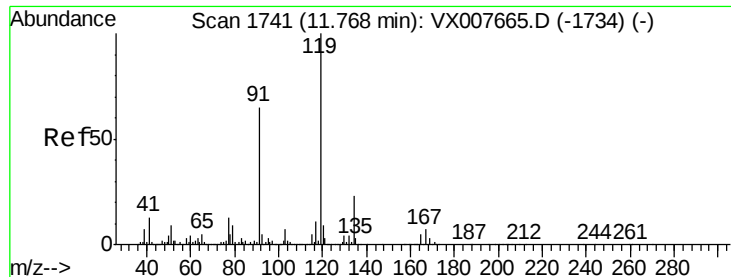
Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion:	91	Resp:	613191
Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.2	48.5





#83

tert-Butylbenzene

Concen: 45.586 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

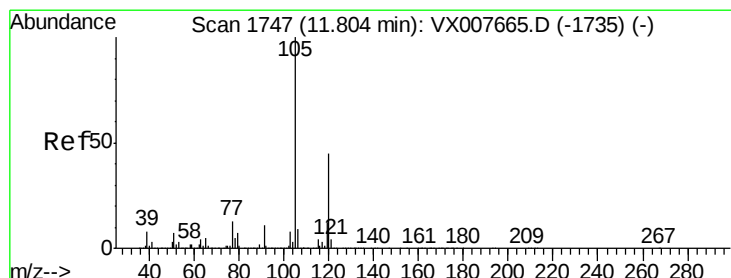
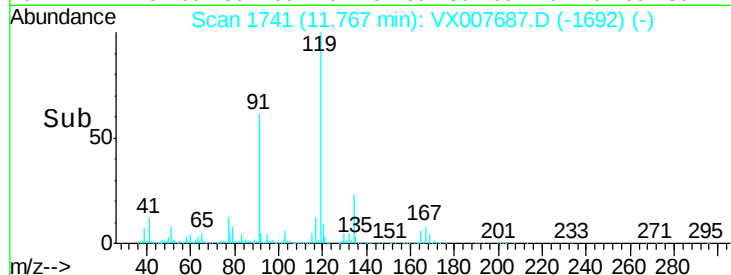
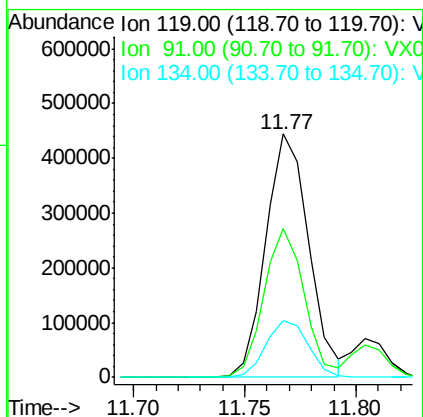
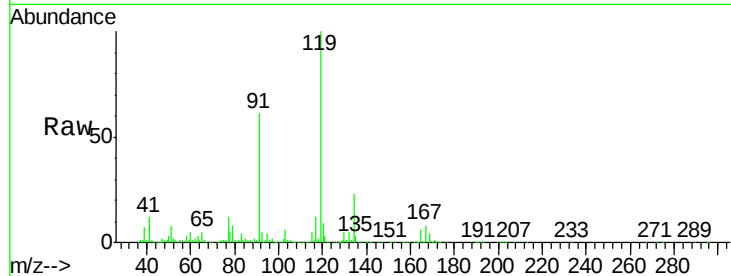
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	595131
Ion Ratio	Lower	Upper	
119	100		
91	57.5	28.5	85.6
134	23.1	12.0	36.0

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#84

1,2,4-Trimethylbenzene

Concen: 47.166 ug/l

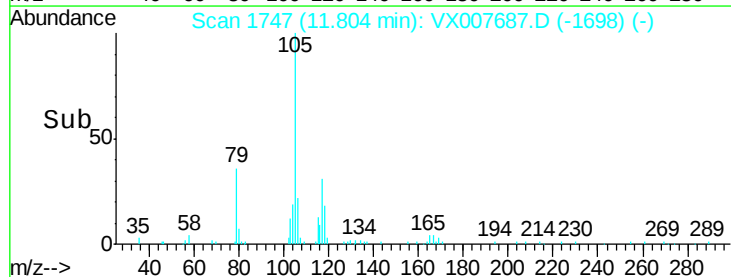
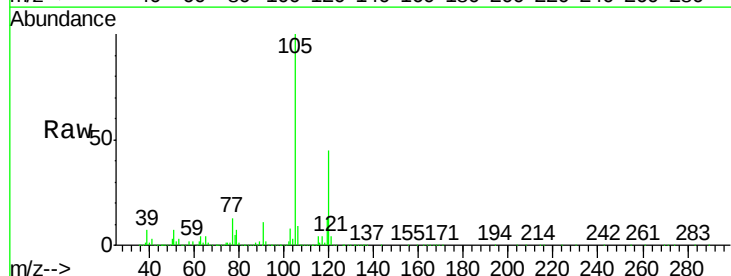
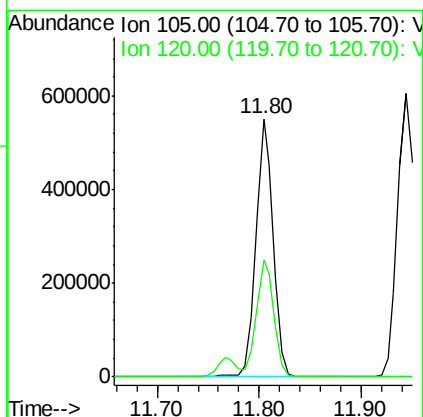
RT: 11.80 min Scan# 1747

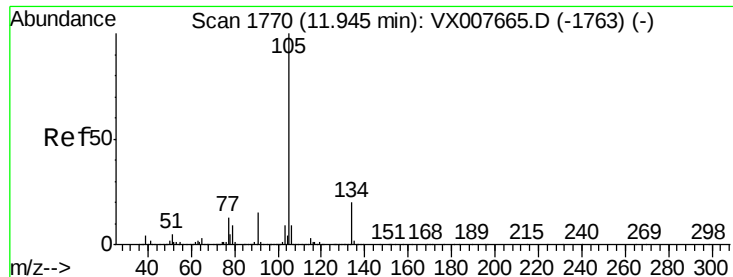
Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion:	105	Resp:	656010
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.1	69.3





#85

sec-Butylbenzene

Concen: 44.379 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 726020

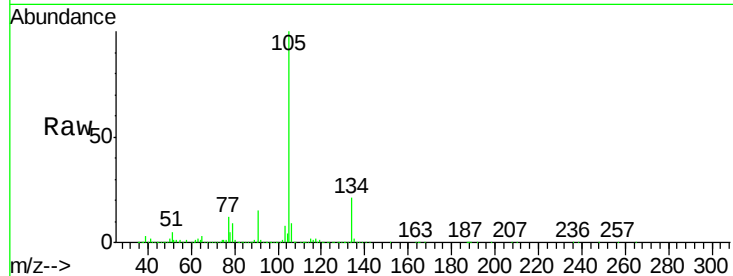
Ion Ratio Lower Upper

105 100

134 20.5 10.6 31.8

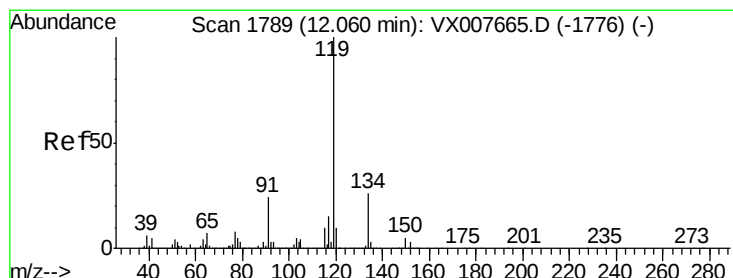
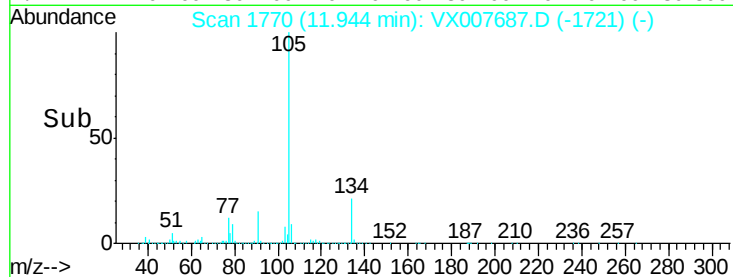
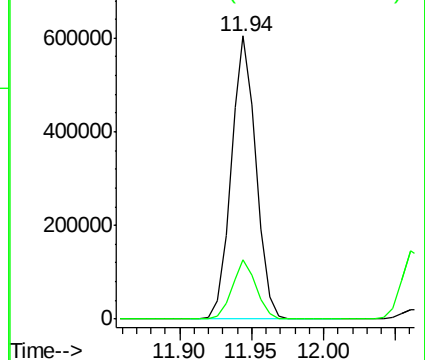
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.460 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

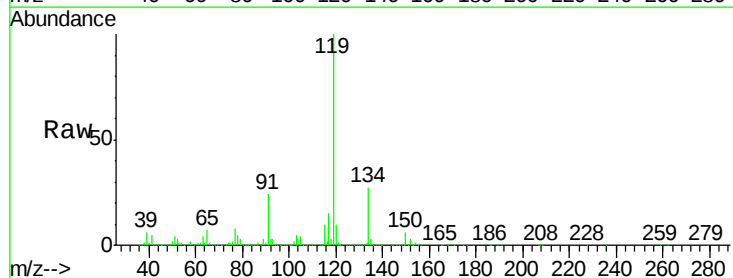
Tgt Ion:119 Resp: 651314

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

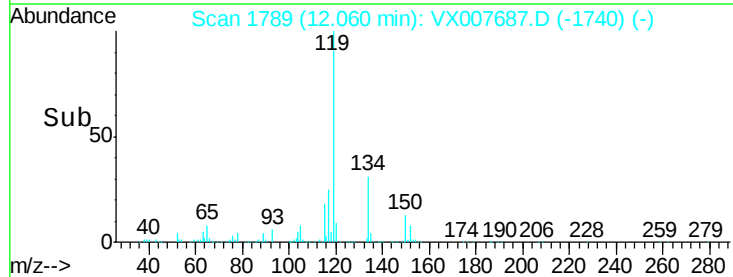
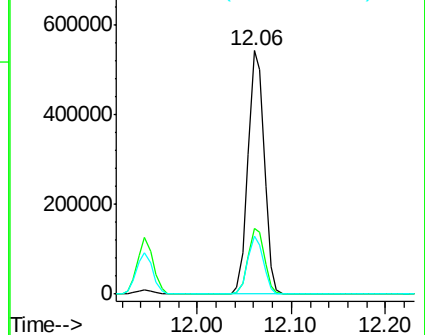
91 23.2 11.2 33.5

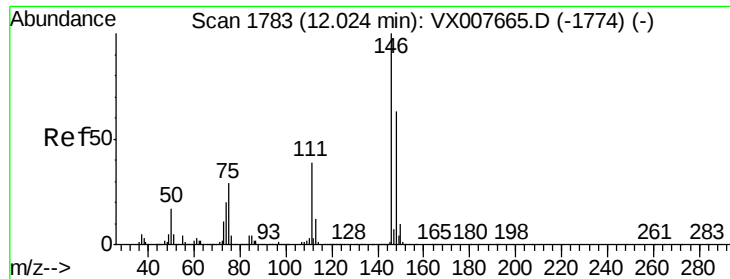


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





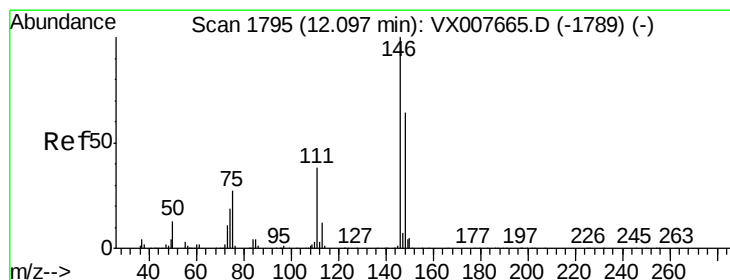
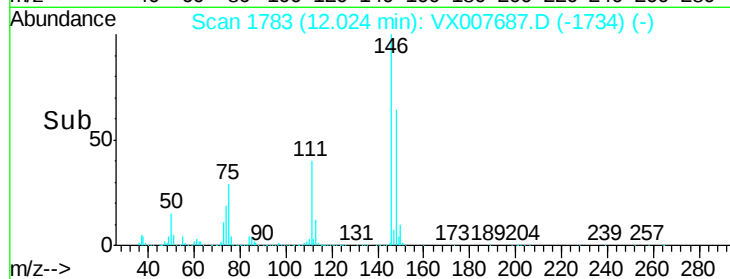
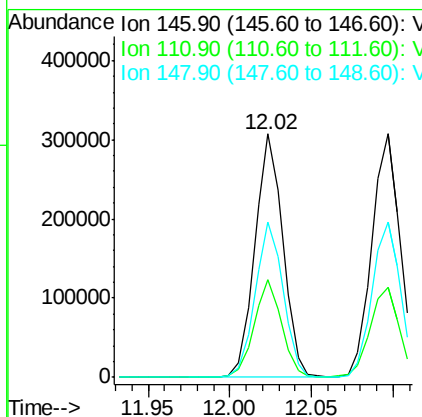
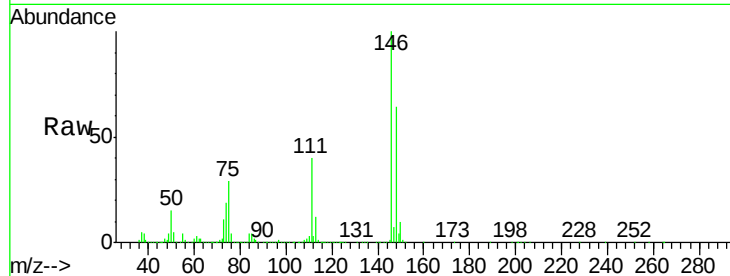
#87
 1,3-Dichlorobenzene
 Concen: 47.828 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007687.D
 Acq: 26 Feb 2019 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.1	54.1
148	63.8	32.0	96.2

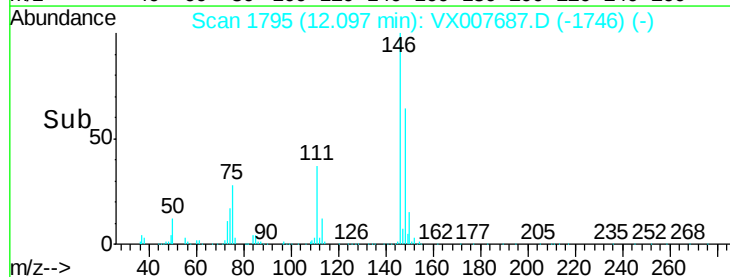
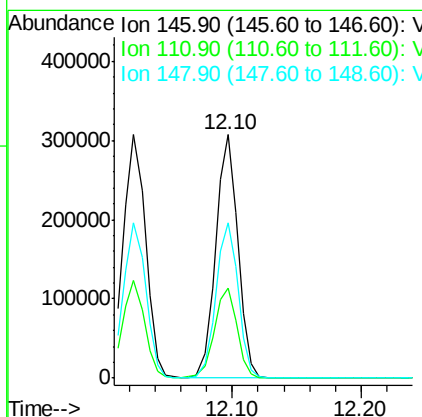
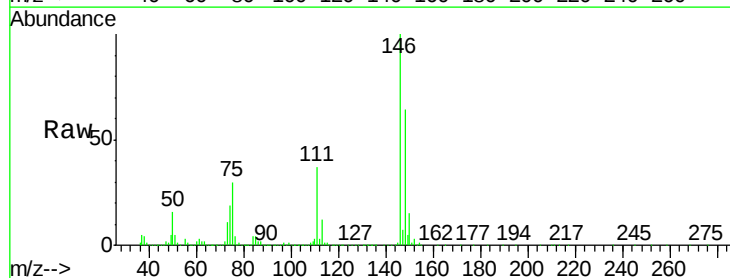
Manual Integrations
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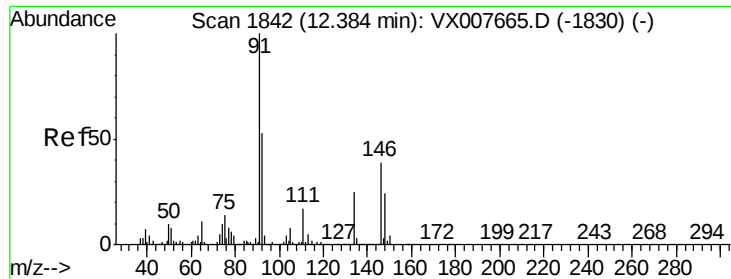
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#88
 1,4-Dichlorobenzene
 Concen: 47.357 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007687.D
 Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.1
148	64.1	32.3	96.9





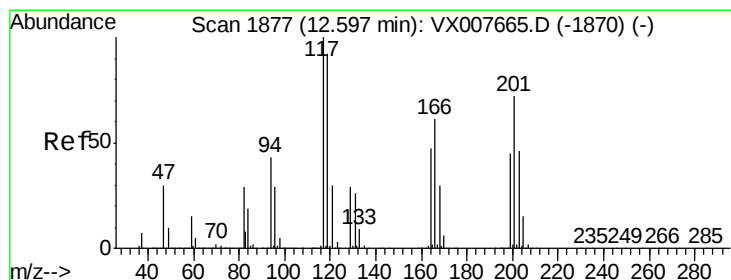
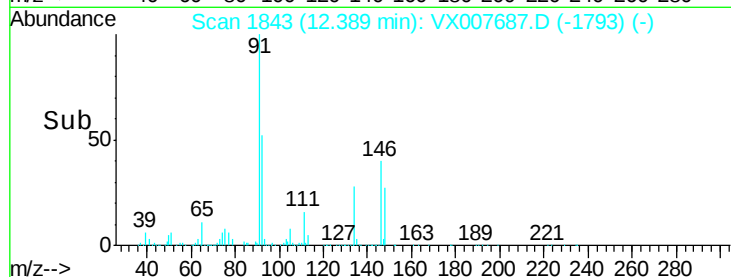
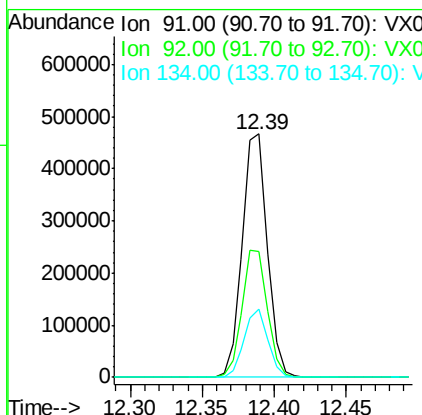
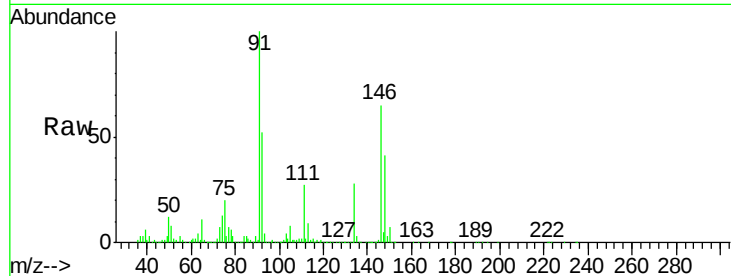
#89
n-Butylbenzene
Concen: 44.121 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	26.7	13.9	41.6

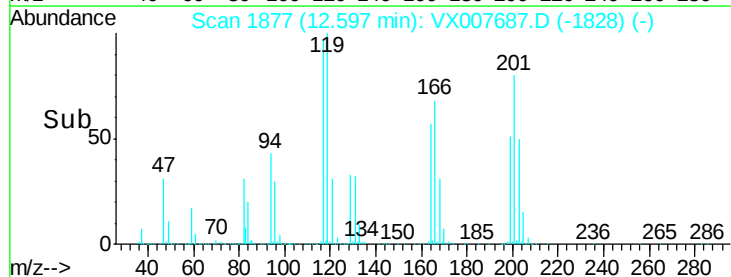
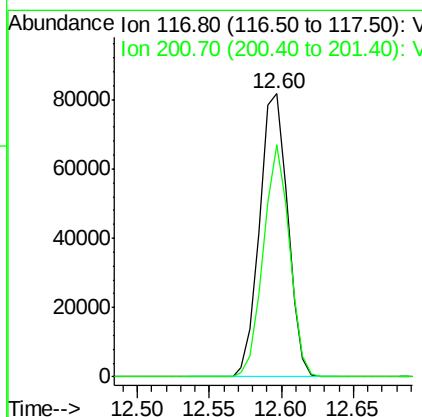
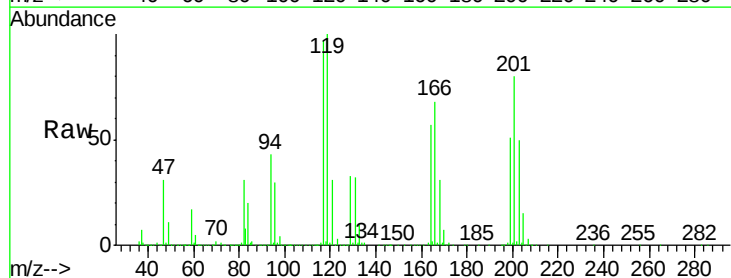
Manual Integrations
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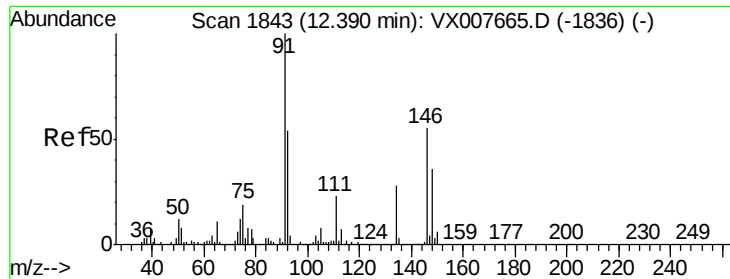
MMDadoda
2/26/2019 3:04:59 PM



#90
Hexachloroethane
Concen: 45.660 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	44.9	134.7





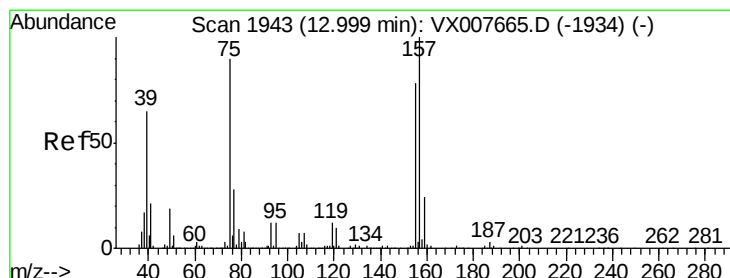
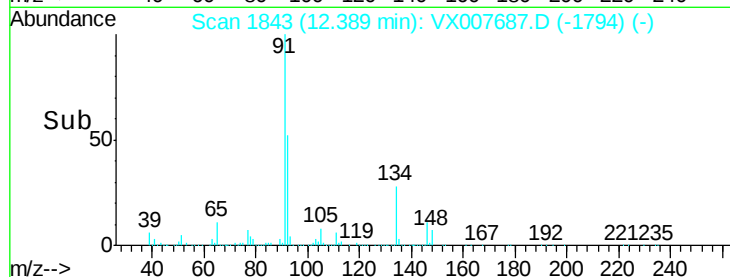
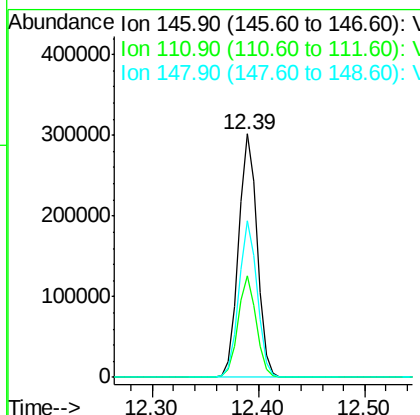
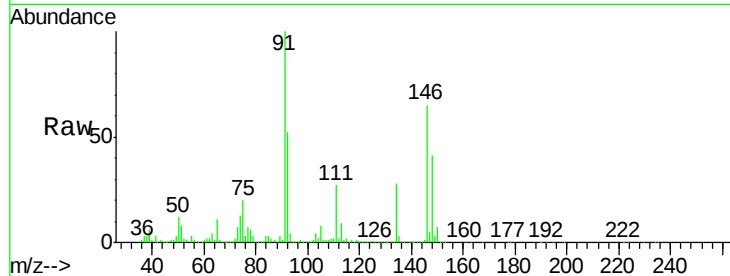
#91
 1,2-Dichlorobenzene
 Concen: 48.203 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007687.D
 Acq: 26 Feb 2019 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	370927		
111	40.6	19.1	57.3	
148	63.1	32.1	96.3	

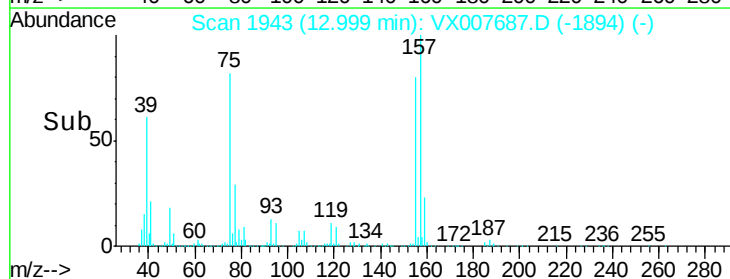
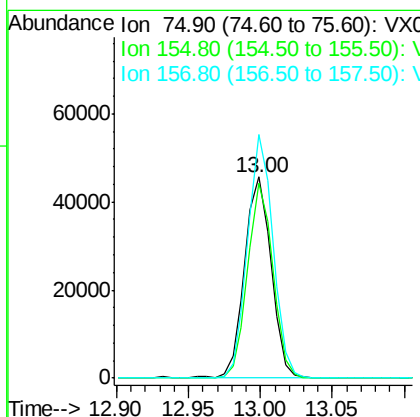
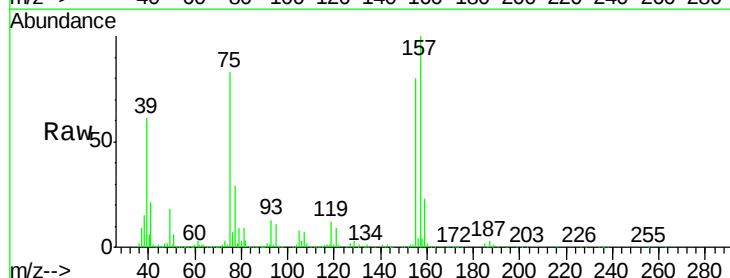
Manual Integrations
 APPROVED

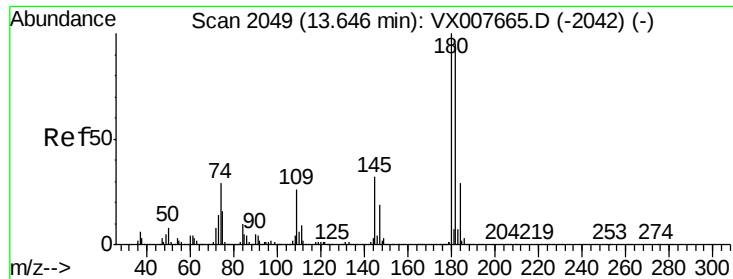
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 2/26/2019 3:04:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.938 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007687.D
 Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58472		
155	91.4	49.6	149.0	
157	115.2	65.1	195.3	





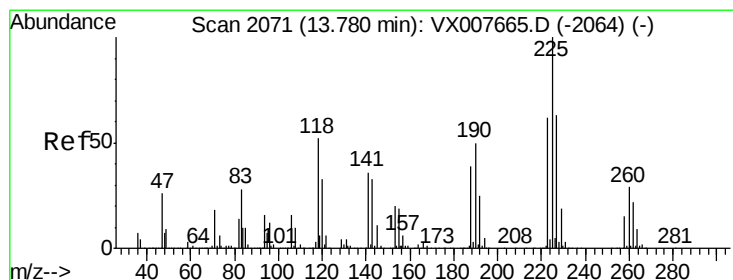
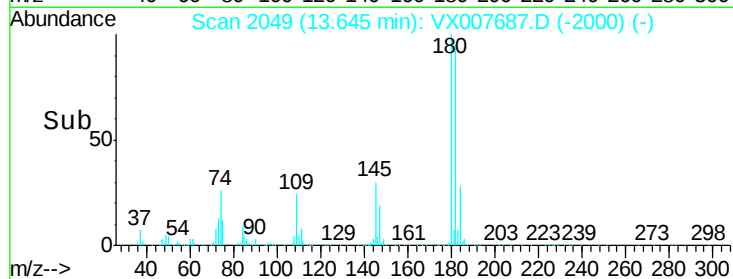
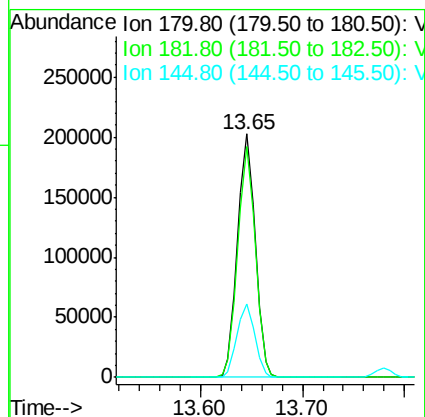
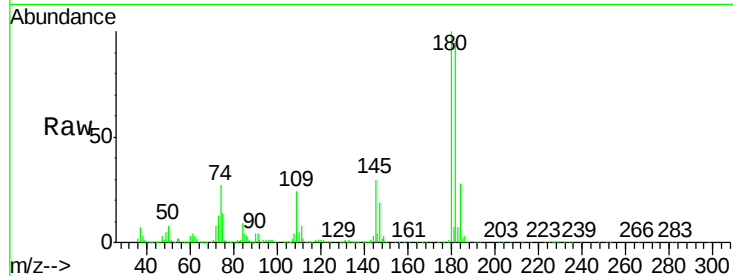
#93
1,2,4-Trichlorobenzene
Concen: 51.525 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	242021		
182	94.2	47.8	143.3	
145	30.5	14.1	42.2	

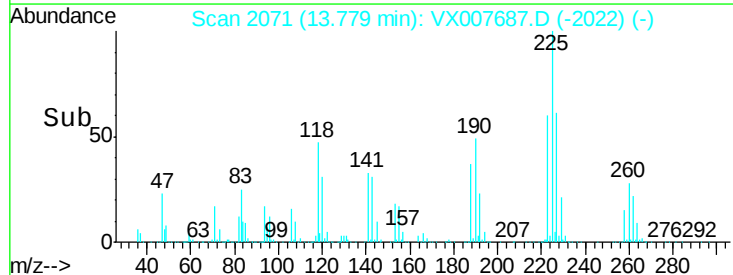
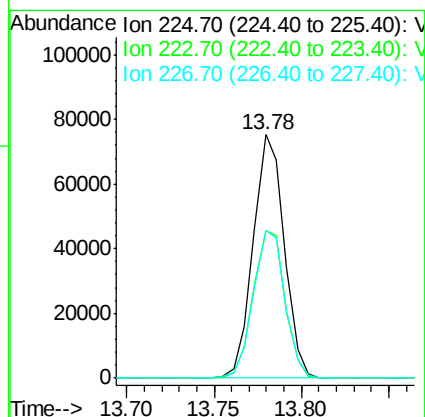
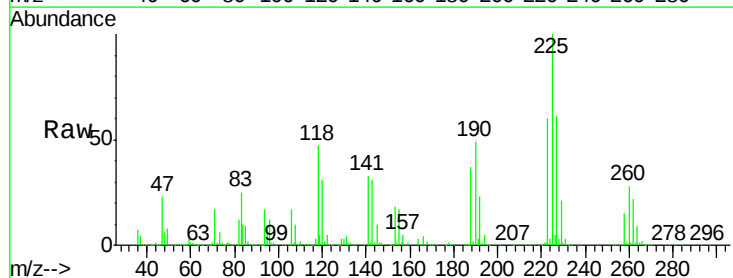
Manual Integrations
APPROVED

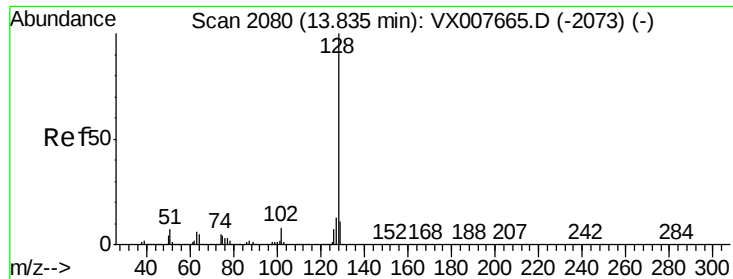
MMDadoda
2/26/2019 3:04:59 PM



#94
Hexachlorobutadiene
Concen: 43.178 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX007687.D
Acq: 26 Feb 2019 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92781		
223	61.9	31.6	94.8	
227	61.8	32.1	96.3	





#95

Naphthalene

Concen: 54.646 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Instrument :

MSVOA_X

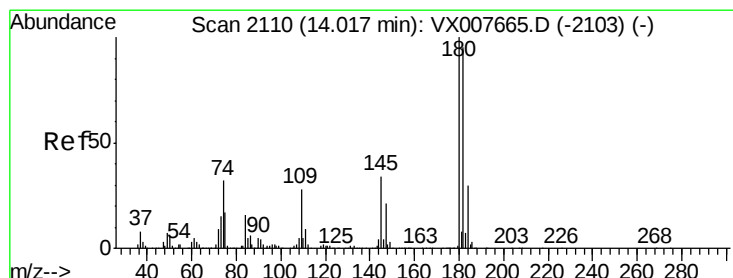
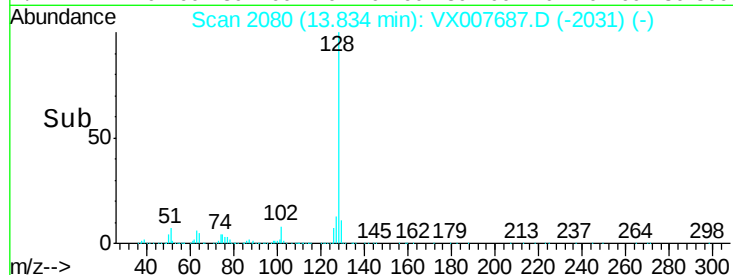
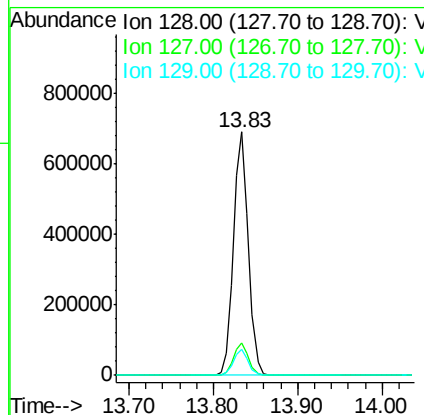
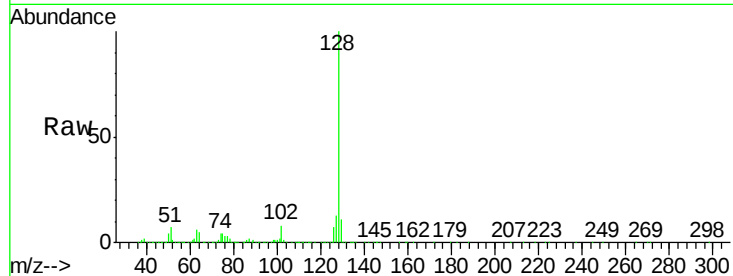
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	831608
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/26/2019 3:04:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.423 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007687.D

Acq: 26 Feb 2019 00:49

Tgt Ion:	180	Resp:	242532
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.6
145	32.2	14.9	44.5

