

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011519\
 Data File : VX007051.D
 Acq On : 15 Jan 2019 12:00
 Operator : JC/SP
 Sample : VX0115WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:19:49 AM

Quant Time: Jan 16 00:17:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	526114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	757850	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	705560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	369233	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	264889	48.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.36%	
35) Dibromofluoromethane	5.50	113	238133	49.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.14%	
50) Toluene-d8	8.71	98	896770	50.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.13	95	330425	53.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	77682	17.980	ug/l	97
3) Chloromethane	1.32	50	85554	17.010	ug/l	96
4) Vinyl Chloride	1.41	62	88149	16.293	ug/l	98
5) Bromomethane	1.64	94	95884	16.588	ug/l	99
6) Chloroethane	1.71	64	57030	15.096	ug/l	97
7) Trichlorofluoromethane	1.92	101	142275	16.275	ug/l	98
8) Diethyl Ether	2.19	74	54762	15.746	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	86077	16.447	ug/l	98
10) Methyl Iodide	2.51	142	117376	16.626	ug/l	100
11) Tert butyl alcohol	3.07	59	107956	83.234	ug/l	99
12) 1,1-Dichloroethene	2.37	96	77020	15.928	ug/l	98
13) Acrolein	2.29	56	68116	123.351	ug/l	94
14) Allyl chloride	2.73	41	131101	15.820	ug/l	98
15) Acrylonitrile	3.15	53	241190	81.004	ug/l	98
16) Acetone	2.45	43	214579	78.941	ug/l	98
17) Carbon Disulfide	2.57	76	173883	13.967	ug/l	98
18) Methyl Acetate	2.78	43	129518	16.454	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	267462	15.936	ug/l	99
20) Methylene Chloride	2.85	84	87961	16.636	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	83918	15.573	ug/l	99
22) Diisopropyl ether	3.87	45	253968	16.302	ug/l	99
23) Vinyl Acetate	3.82	43	1030265	78.416	ug/l	98
24) 1,1-Dichloroethane	3.70	63	148452	17.041	ug/l	98
25) 2-Butanone	4.70	43	314746	80.925	ug/l	96
26) 2,2-Dichloropropane	4.58	77	106107	15.840	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	93761	15.775	ug/l	97
28) Bromochloromethane	5.01	49	71163	18.645	ug/l	100
29) Tetrahydrofuran	5.15	42	200894	79.480	ug/l	98
30) Chloroform	5.21	83	149081	16.345	ug/l	97
31) Cyclohexane	5.57	56	127848	16.489	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	125022	16.172	ug/l	98
36) 1,1-Dichloropropene	5.79	75	108583	16.480	ug/l	98
37) Ethyl Acetate	4.85	43	116014	16.424	ug/l	99
38) Carbon Tetrachloride	5.78	117	106102	16.005	ug/l	95

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	136301	16.227	ug/l	95
40) Benzene	6.14	78	330977	16.463	ug/l	98
41) Methacrylonitrile	5.05	41	65463	16.087	ug/l	98
42) 1,2-Dichloroethane	6.20	62	113174	16.290	ug/l	99
43) Isopropyl Acetate	6.46	43	185744	16.670	ug/l	97
44) Trichloroethene	7.21	130	98987	16.431	ug/l	95
45) 1,2-Dichloropropane	7.51	63	84289	16.676	ug/l	99
46) Dibromomethane	7.66	93	59598	16.778	ug/l	98
47) Bromodichloromethane	7.90	83	98323	16.261	ug/l	95
48) Methyl methacrylate	7.77	41	94779	16.564	ug/l	97
49) 1,4-Dioxane	7.74	88	45745	344.447	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	610915	85.315	ug/l	100
52) Toluene	8.78	92	214637	16.610	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	104981	15.658	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	118289	15.976	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	91505	17.692	ug/l	98
56) Ethyl methacrylate	9.18	69	131542	17.421	ug/l	98
57) 1,3-Dichloropropane	9.37	76	144298	17.029	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	391540	100.854	ug/l	100
59) 2-Hexanone	9.49	43	471234	86.356	ug/l	98
60) Dibromochloromethane	9.58	129	84082	16.742	ug/l	98
61) 1,2-Dibromoethane	9.67	107	94562	16.607	ug/l	100
64) Tetrachloroethene	9.34	164	103649	16.968	ug/l	95
65) Chlorobenzene	10.13	112	259156	16.841	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	86360	16.682	ug/l	100
67) Ethyl Benzene	10.25	91	415859	16.369	ug/l	98
68) m/p-Xylenes	10.36	106	334948	33.464	ug/l	100
69) o-Xylene	10.69	106	161731	16.568	ug/l	97
70) Styrene	10.71	104	256794	16.610	ug/l	97
71) Bromoform	10.85	173	59374	16.335	ug/l	99
73) Isopropylbenzene	11.02	105	438138	16.828	ug/l	98
74) N-amyl acetate	10.90	43	161307	15.388	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	133399	16.139	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	123023m	16.442	ug/l	
77) Bromobenzene	11.26	156	117889	16.433	ug/l	99
78) n-propylbenzene	11.36	91	488686	17.098	ug/l	100
79) 2-Chlorotoluene	11.42	91	286548	16.655	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	360119	16.553	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	28904	14.558	ug/l	83
82) 4-Chlorotoluene	11.51	91	330062	16.569	ug/l	99
83) tert-Butylbenzene	11.77	119	358707	16.526	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	366707	16.762	ug/l	100
85) sec-Butylbenzene	11.94	105	442565	17.073	ug/l	99
86) p-Isopropyltoluene	12.06	119	393725	16.980	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	212844	16.415	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	211522	17.312	ug/l	97
89) n-Butylbenzene	12.38	91	333670	16.881	ug/l	99
90) Hexachloroethane	12.60	117	52769	16.335	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	209040	16.336	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	24794	15.167	ug/l	95

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

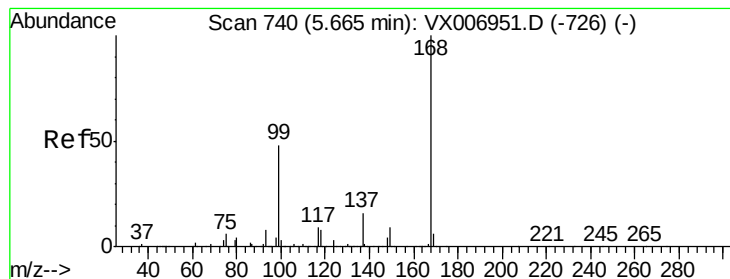
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	143968	16.399	ug/l	99
94) Hexachlorobutadiene	13.78	225	67919	17.434	ug/l	99
95) Naphthalene	13.83	128	435000	16.352	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	145441	16.677	ug/l	96

(#) = 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: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion:168 Resp: 526114

Ion Ratio Lower Upper

168 100

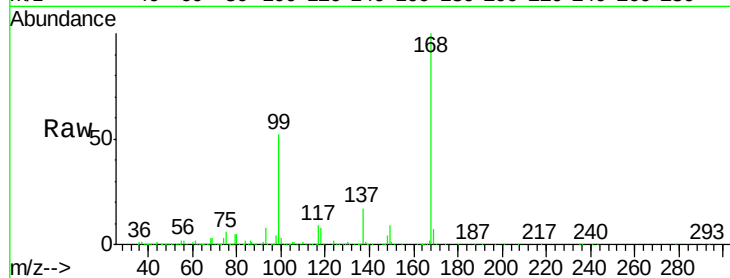
99 51.9 41.8 62.8

Manual Integrations

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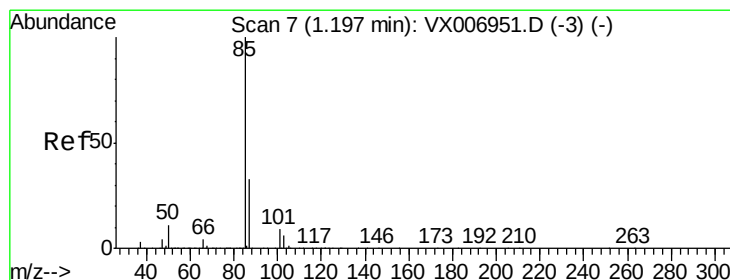
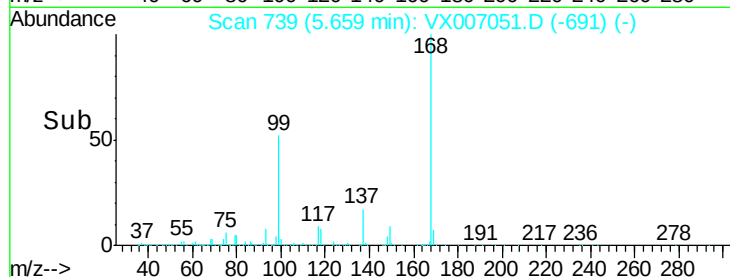
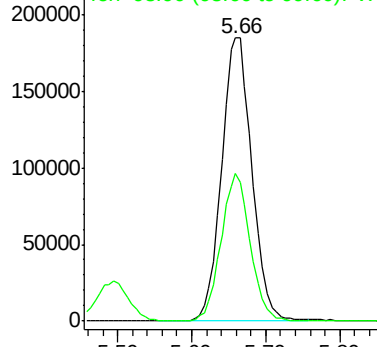
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.980 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007051.D

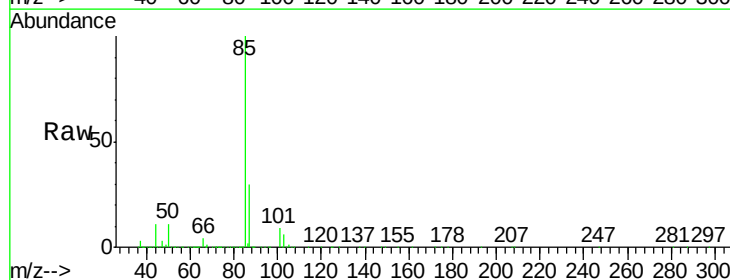
Acq: 15 Jan 2019 12:00

Tgt Ion: 85 Resp: 77682

Ion Ratio Lower Upper

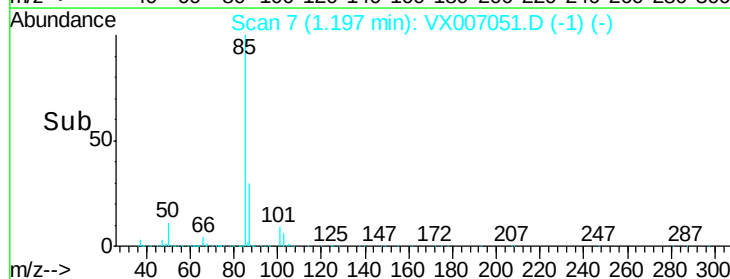
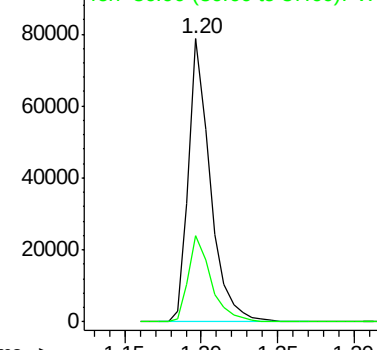
85 100

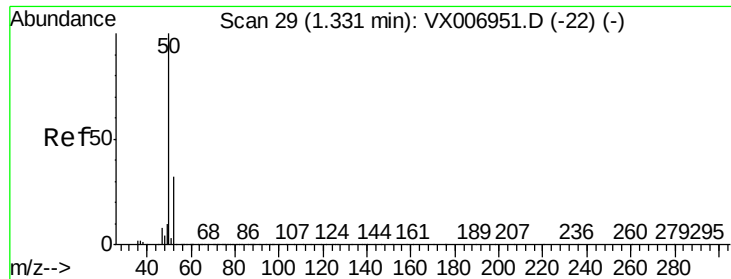
87 30.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.010 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion: 50 Resp: 85554

Ion Ratio Lower Upper

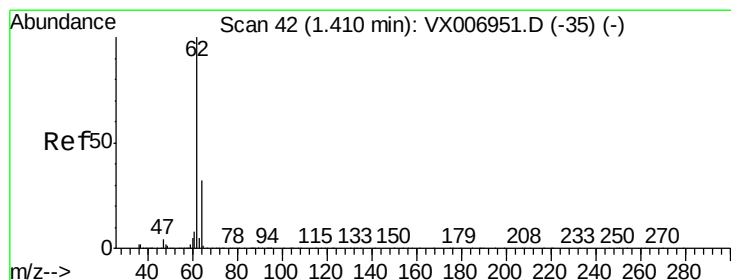
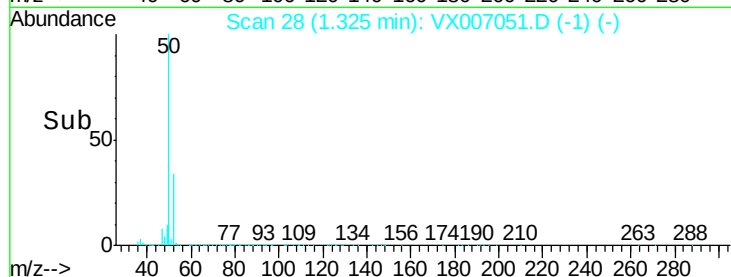
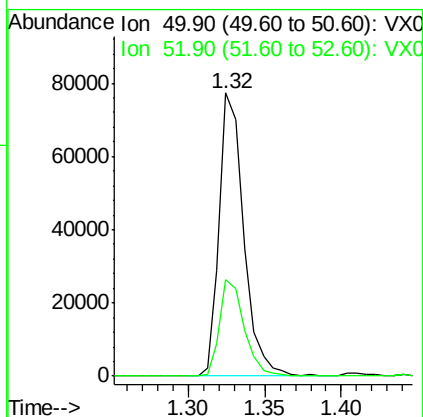
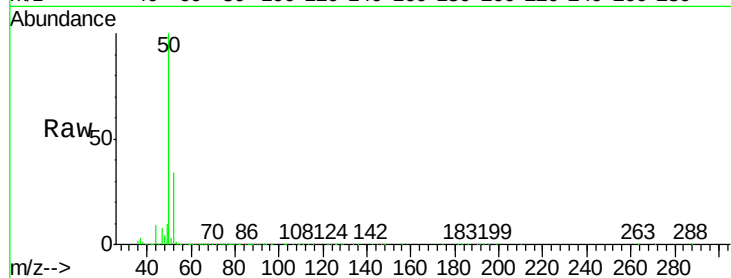
50 100

52 34.1 25.4 38.2

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#4

Vinyl Chloride

Concen: 16.293 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007051.D

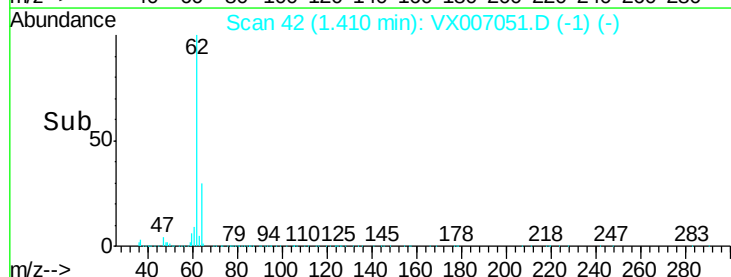
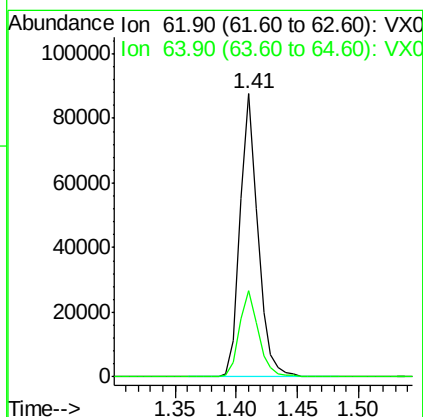
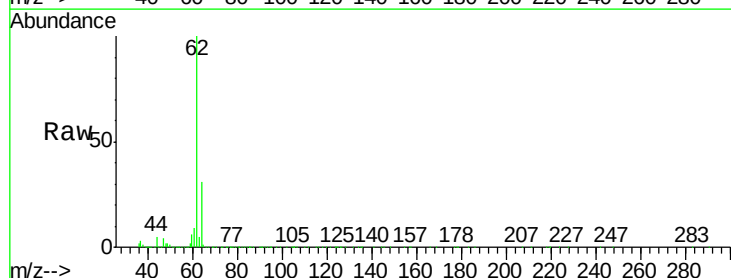
Acq: 15 Jan 2019 12:00

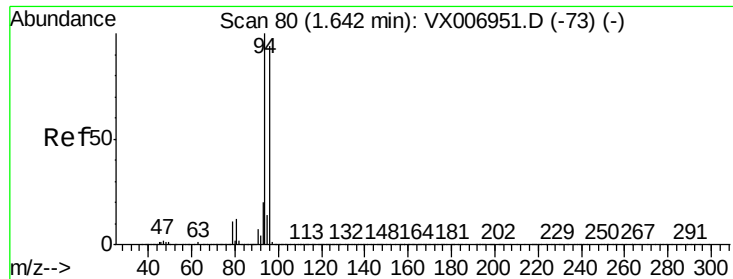
Tgt Ion: 62 Resp: 88149

Ion Ratio Lower Upper

62 100

64 30.4 25.1 37.7





#5

Bromomethane

Concen: 16.588 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion: 94 Resp: 95884

Ion Ratio Lower Upper

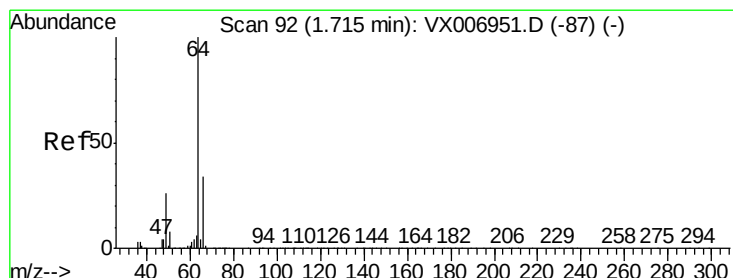
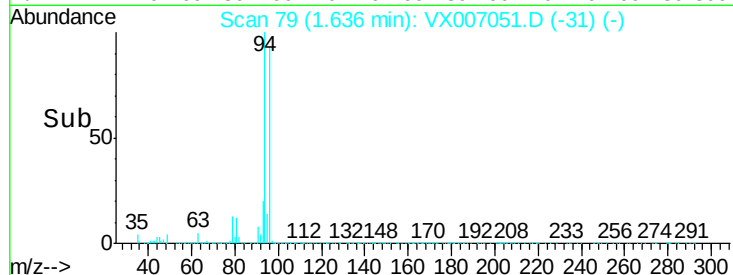
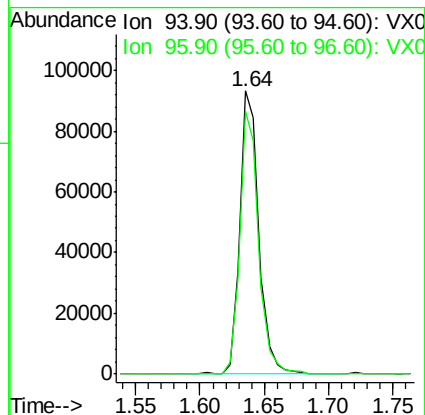
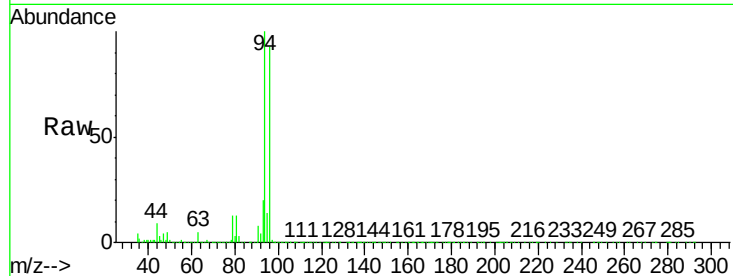
94 100

96 93.0 73.4 110.2

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1/16/2019 9:19:49 AM



#6

Chloroethane

Concen: 15.096 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX007051.D

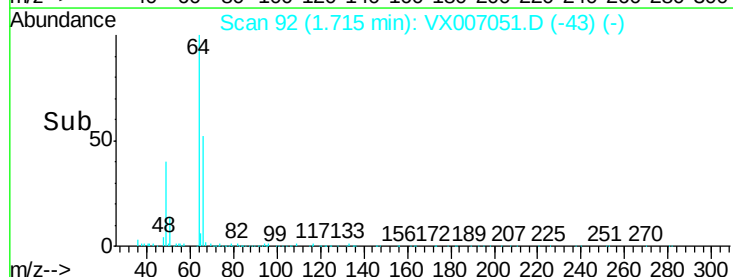
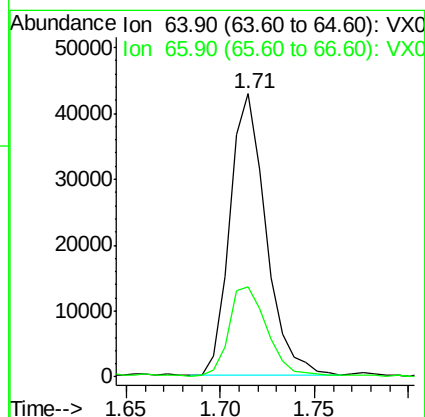
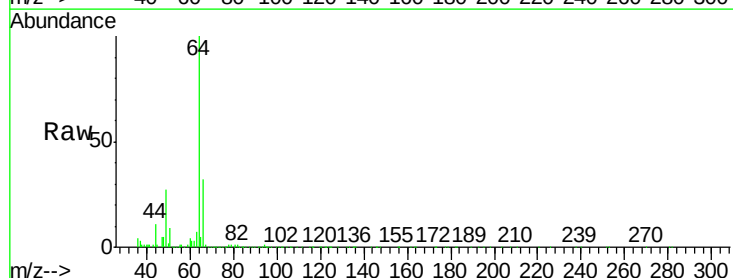
Acq: 15 Jan 2019 12:00

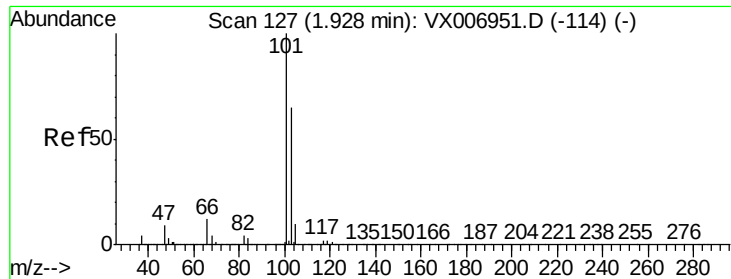
Tgt Ion: 64 Resp: 57030

Ion Ratio Lower Upper

64 100

66 31.5 26.4 39.6





#7

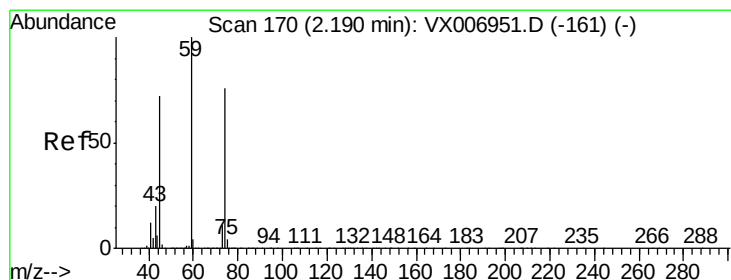
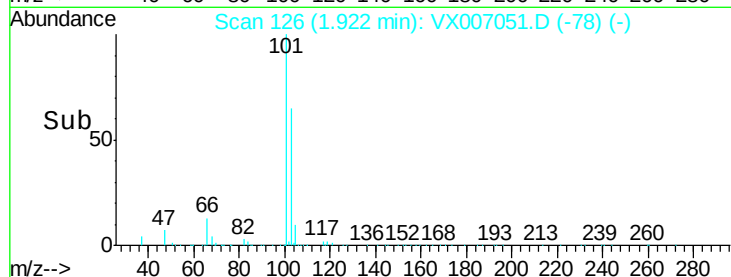
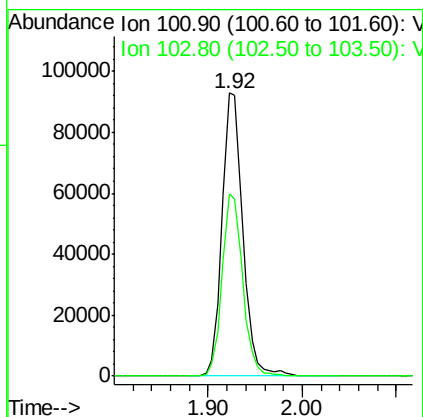
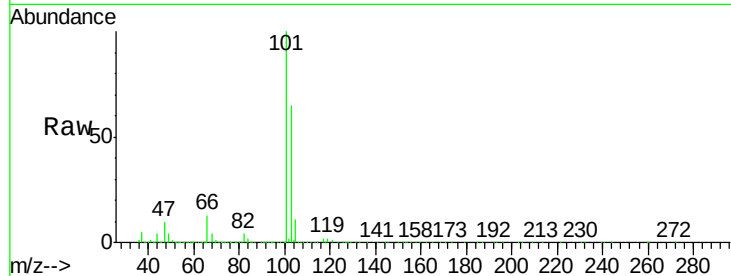
Trichlorofluoromethane
Concen: 16.275 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.2	79.8

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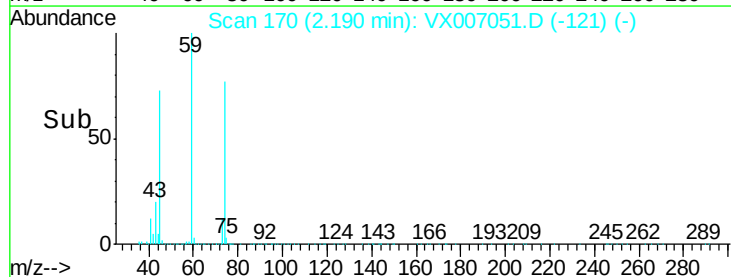
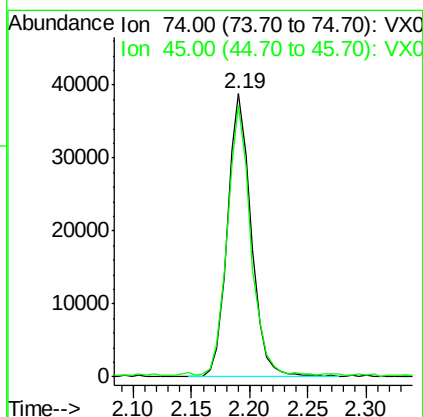
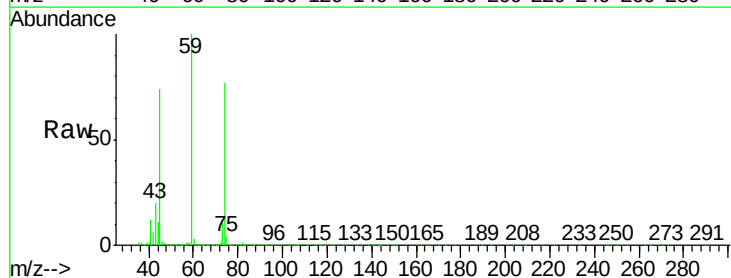
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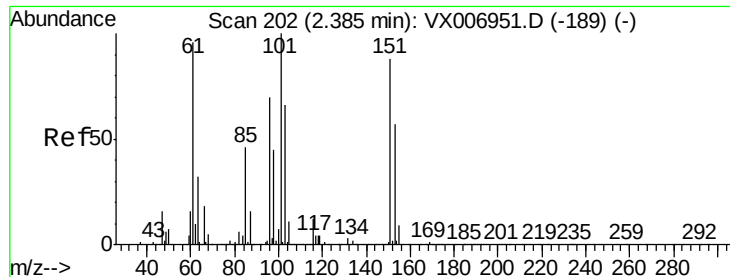


#8

Diethyl Ether
Concen: 15.746 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.447 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

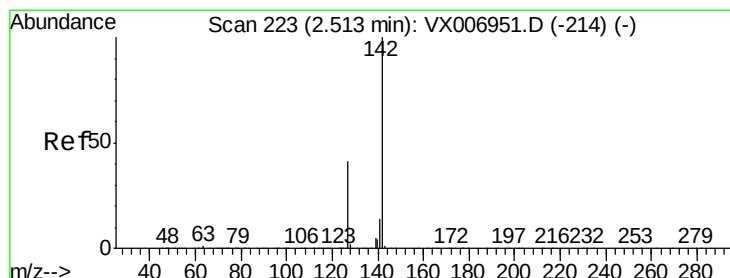
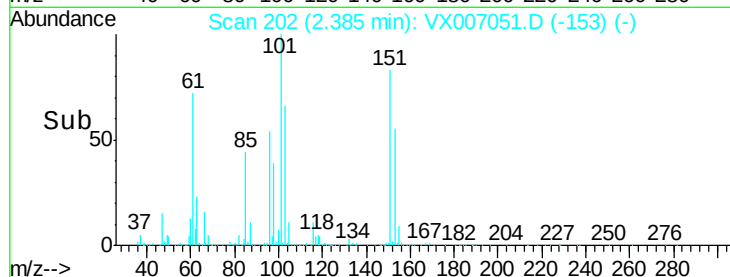
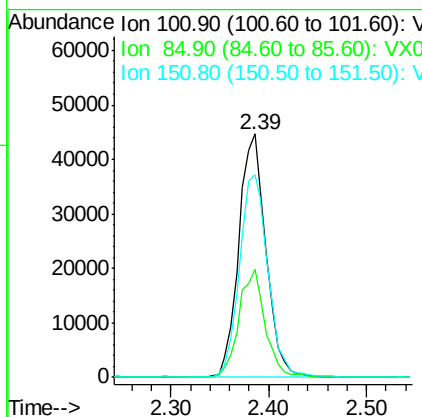
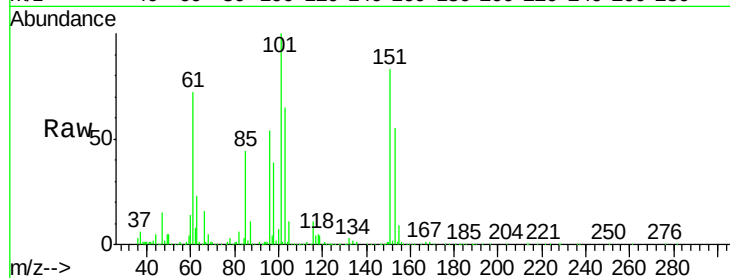
ClientSampleId :

VX0115WBS01

Tot Ion:	101	Resp:	86077
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.1	52.7
151	87.6	68.9	103.3

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#10

Methyl Iodide

Concen: 16.626 ug/l

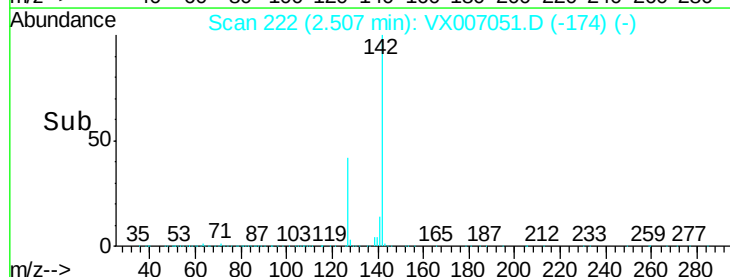
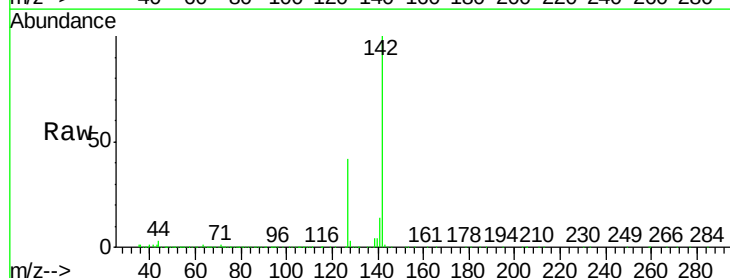
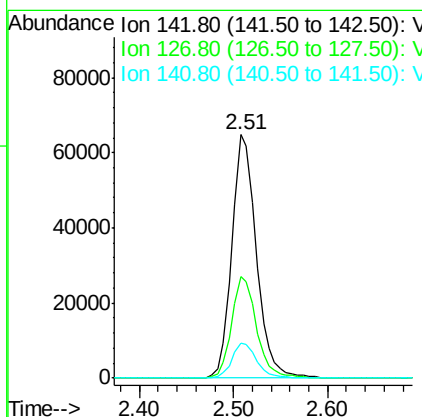
RT: 2.51 min Scan# 222

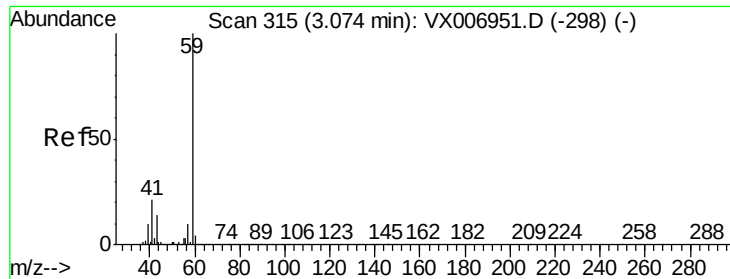
Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tgt Ion:	142	Resp:	117376
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.9	50.9
141	14.5	11.4	17.0





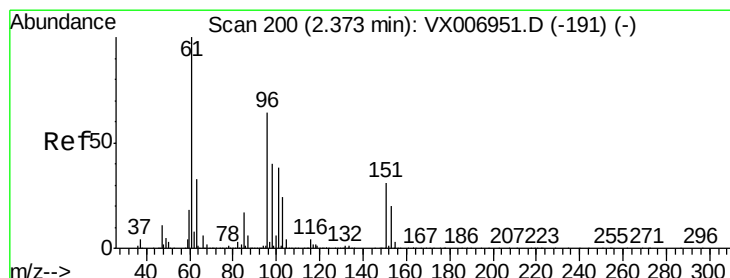
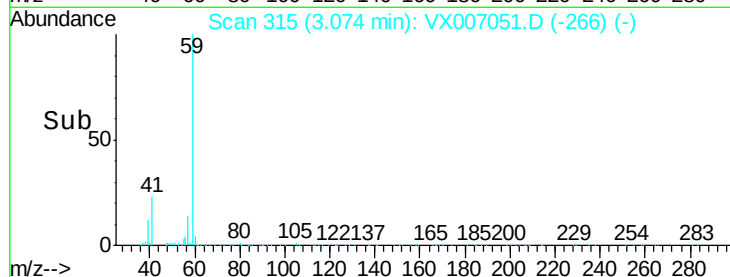
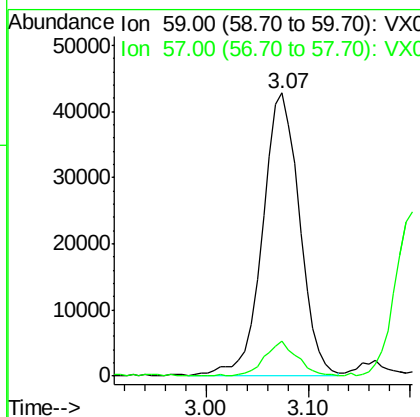
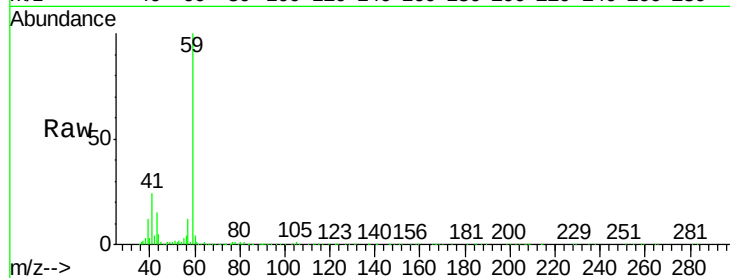
#11
Tert butyl alcohol
Concen: 83.234 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion: 59 Resp: 107956
Ion Ratio Lower Upper
59 100
57 11.0 8.5 12.7

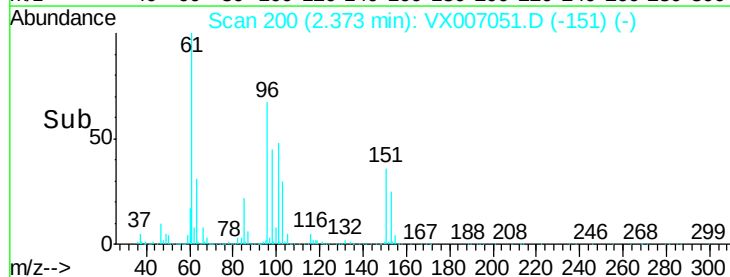
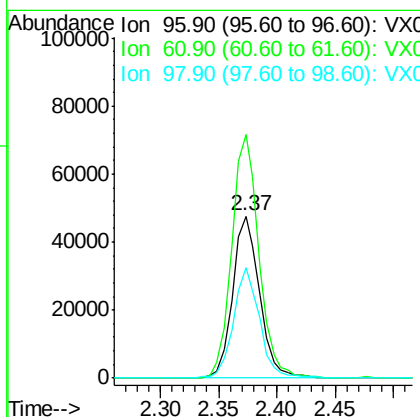
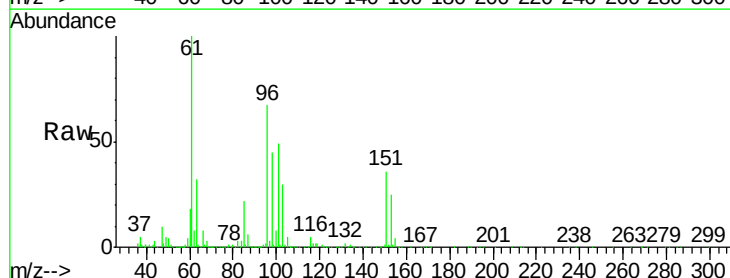
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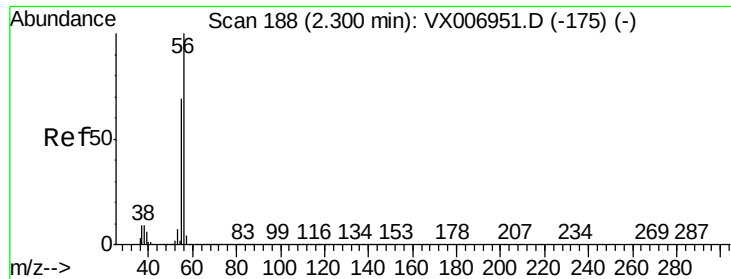
MMDadoda
1/16/2019 9:19:49 AM



#12
1,1-Dichloroethene
Concen: 15.928 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion: 96 Resp: 77020
Ion Ratio Lower Upper
96 100
61 150.0 121.4 182.2
98 68.2 51.9 77.9





#13

Acrolein

Concen: 123.351 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion: 56 Resp: 68116

Ion Ratio Lower Upper

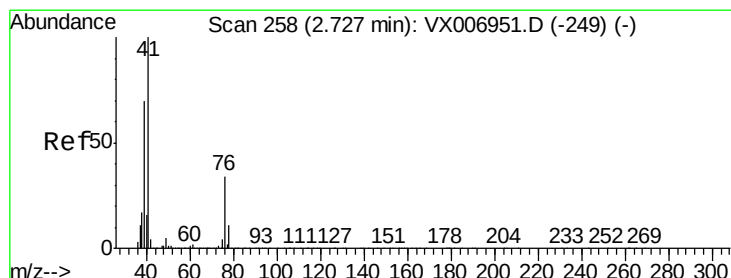
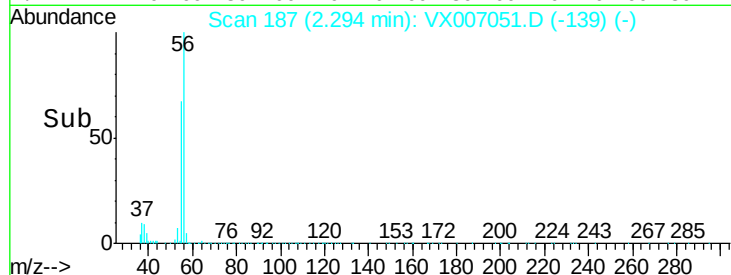
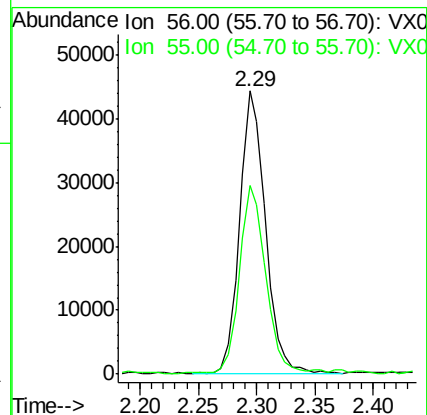
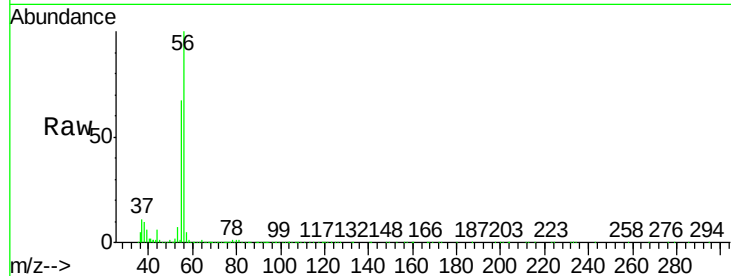
56 100

55 67.8 58.2 87.4

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#14

Allyl chloride

Concen: 15.820 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

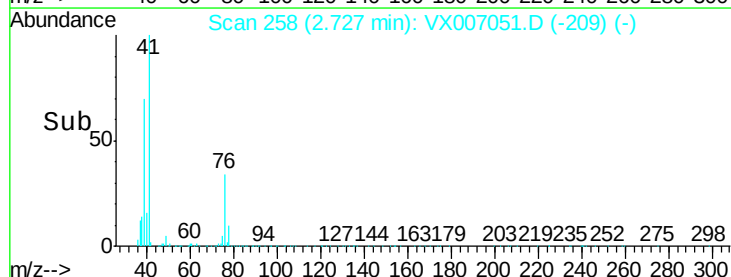
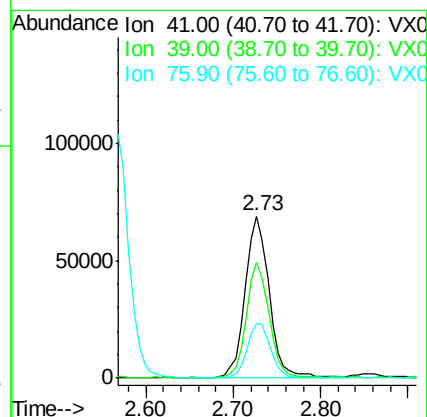
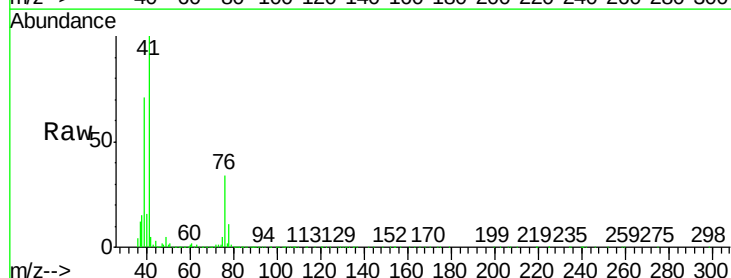
Tgt Ion: 41 Resp: 131101

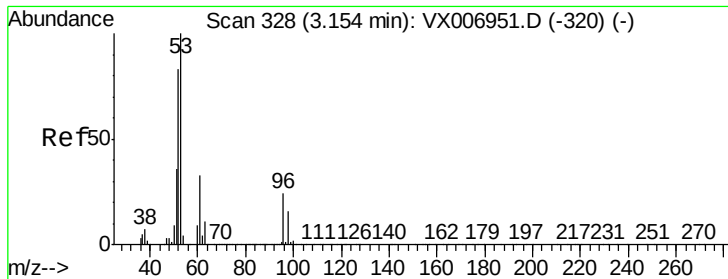
Ion Ratio Lower Upper

41 100

39 67.6 53.6 80.4

76 32.6 27.4 41.2





#15

Acrylonitrile

Concen: 81.004 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

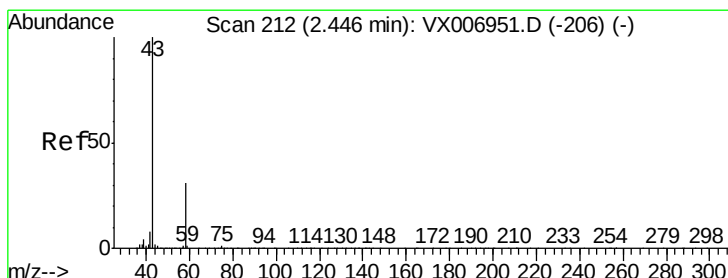
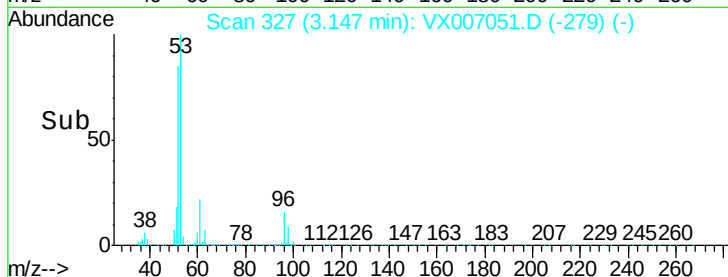
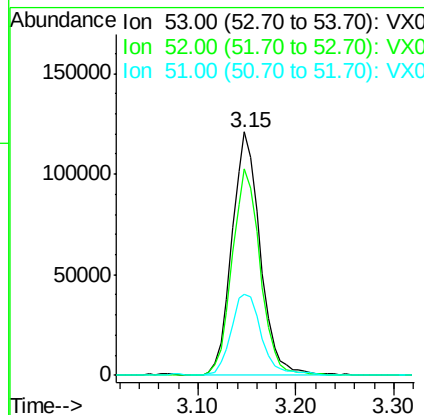
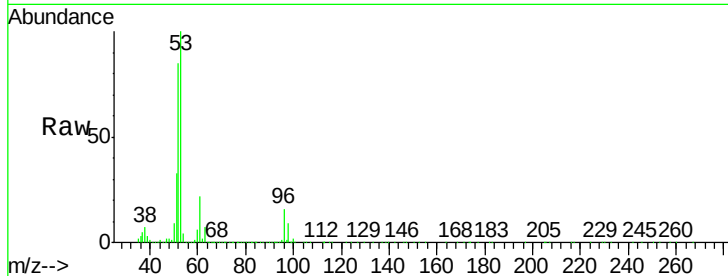
ClientSampleId :

VX0115WBS01

Tot Ion:	53	Resp:	241190
Ion Ratio		Lower	Upper
53	100		
52	84.5	66.0	99.0
51	36.0	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 78.941 ug/l

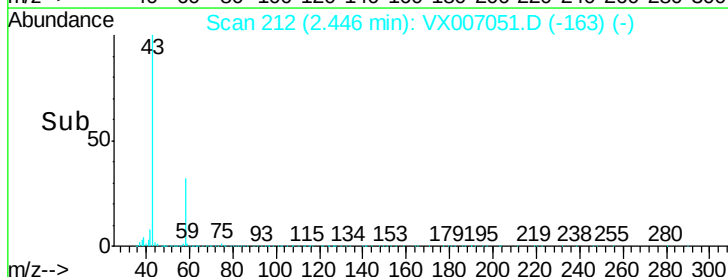
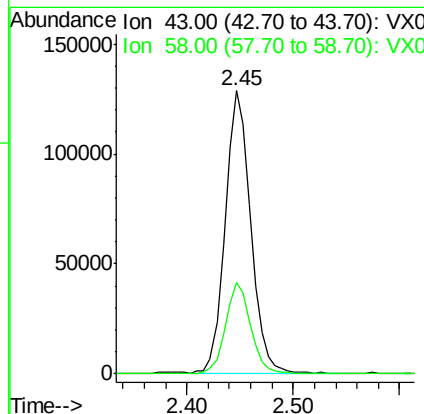
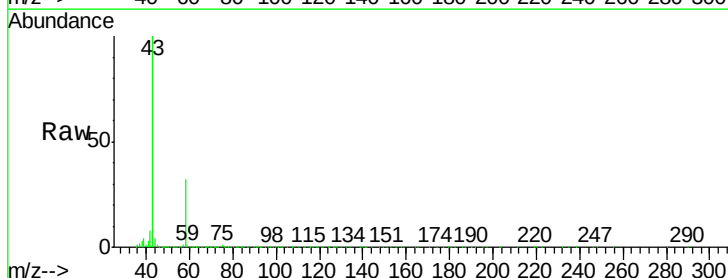
RT: 2.45 min Scan# 212

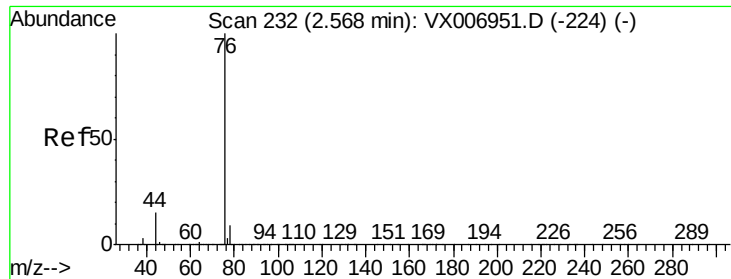
Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tgt Ion:	43	Resp:	214579
Ion Ratio		Lower	Upper
43	100		
58	32.3	25.0	37.6





#17

Carbon Disulfide

Concen: 13.967 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion: 76 Resp: 173883

Ion Ratio Lower Upper

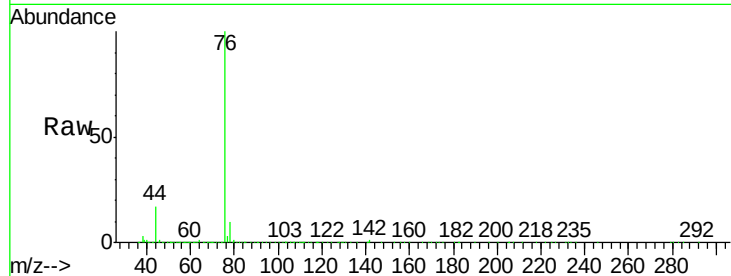
76 100

78 9.7 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

120000

100000

80000

60000

40000

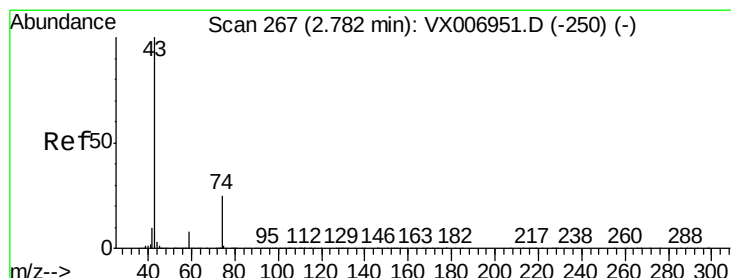
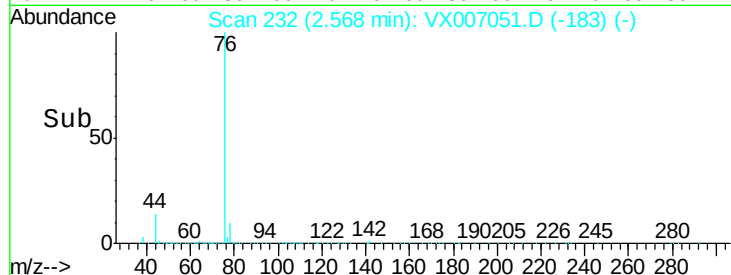
20000

0

2.57

2.45 2.50 2.55 2.60 2.65

Time-->



#18

Methyl Acetate

Concen: 16.454 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007051.D

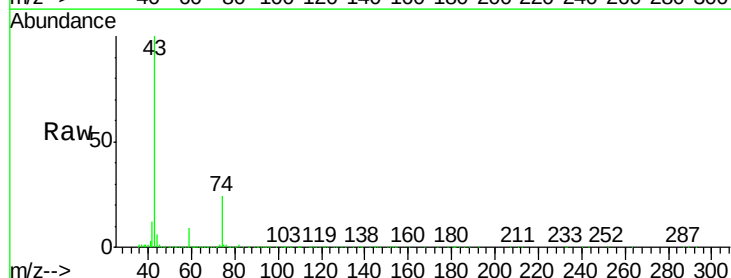
Acq: 15 Jan 2019 12:00

Tgt Ion: 43 Resp: 129518

Ion Ratio Lower Upper

43 100

74 25.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

80000

60000

40000

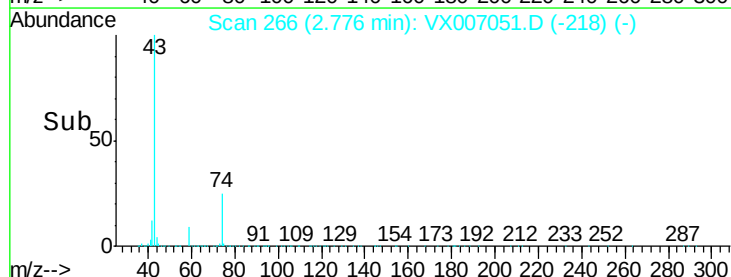
20000

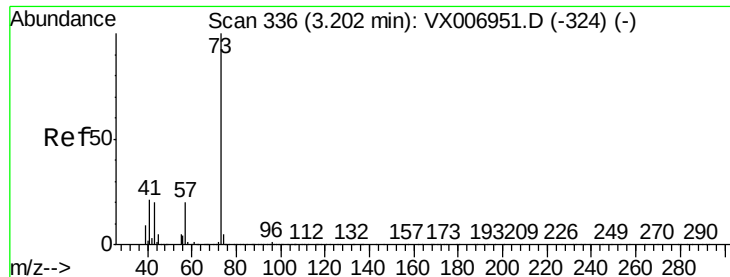
0

2.78

2.70 2.75 2.80 2.85

Time-->





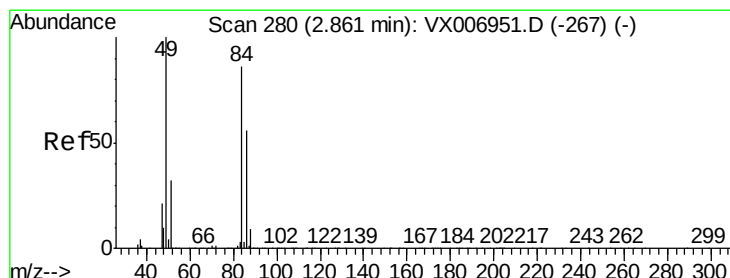
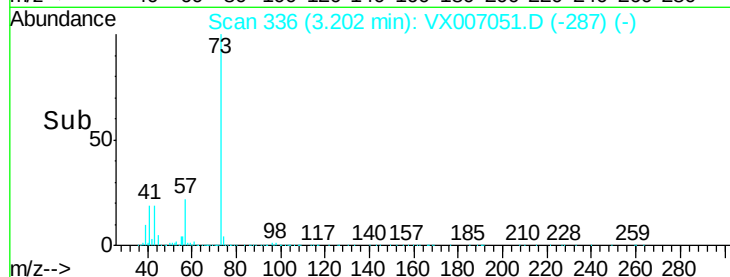
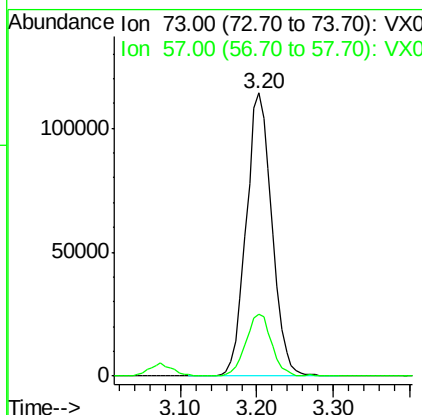
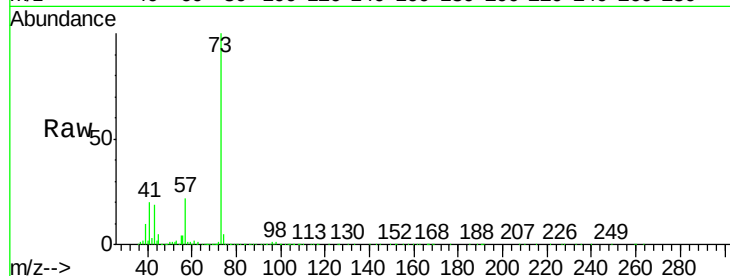
#19
Methyl tert-butyl Ether
Concen: 15.936 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.8	25.2

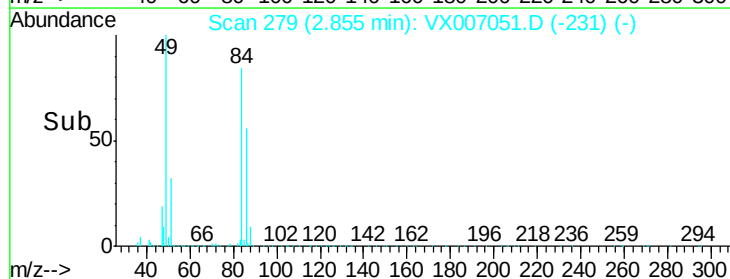
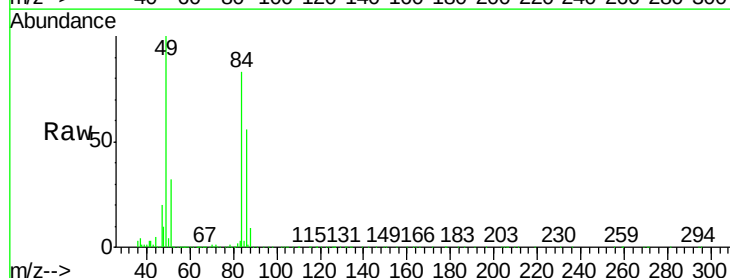
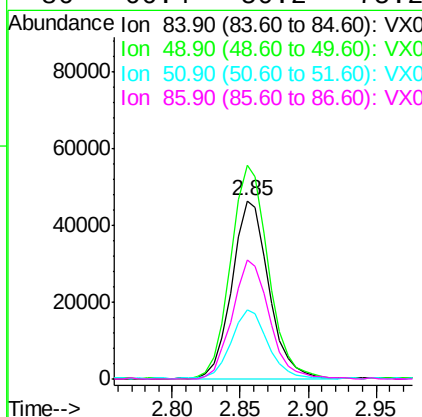
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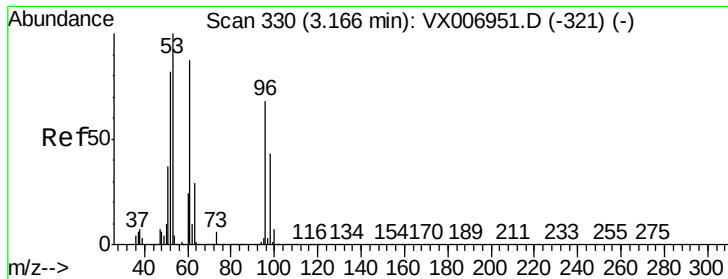
MMDadoda
1/16/2019 9:19:49 AM



#20
Methylene Chloride
Concen: 16.636 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.5	91.8	137.6
51	38.2	28.5	42.7
86	66.4	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 15.573 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

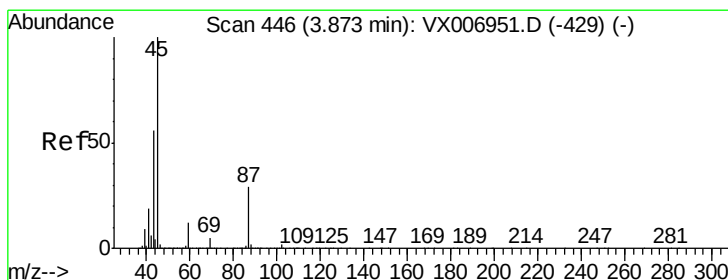
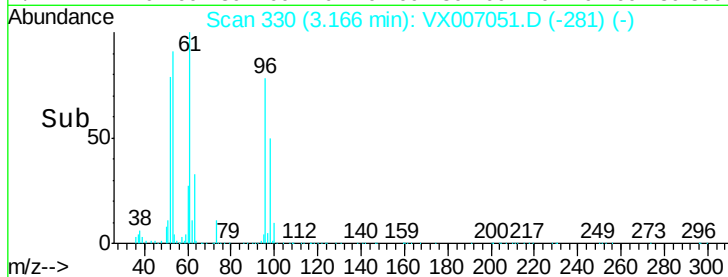
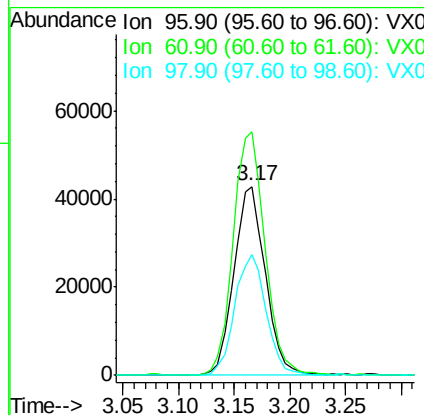
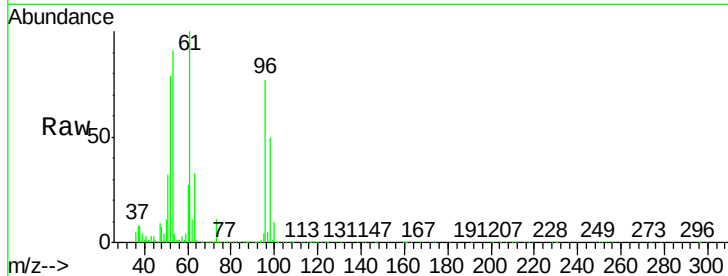
ClientSampleId :

VX0115WBS01

Tot Ion:	96	Resp:	83918
Ion Ratio	Lower	Upper	
96	100		
61	128.8	103.7	155.5
98	64.0	51.0	76.6

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#22

Diisopropyl ether

Concen: 16.302 ug/l

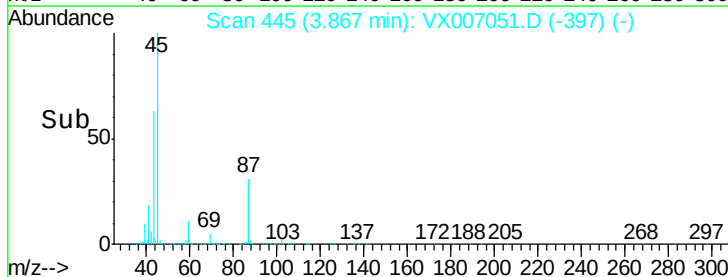
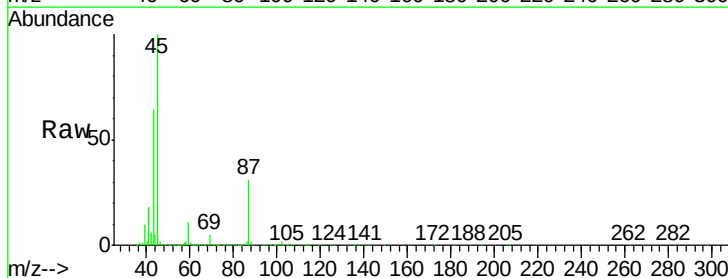
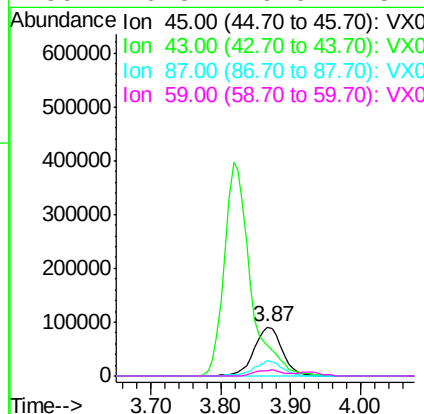
RT: 3.87 min Scan# 445

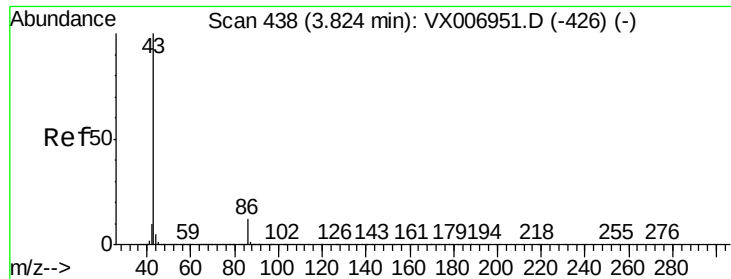
Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tgt Ion:	45	Resp:	253968
Ion Ratio	Lower	Upper	
45	100		
43	63.5	51.2	76.8
87	31.3	25.8	38.6
59	10.8	9.0	13.4





#23

Vinyl Acetate

Concen: 78.416 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion: 43 Resp: 1030265

Ion Ratio Lower Upper

43 100

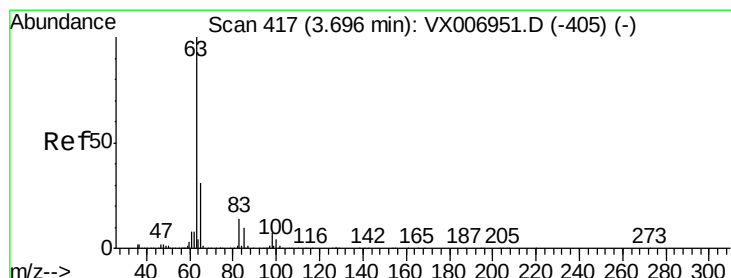
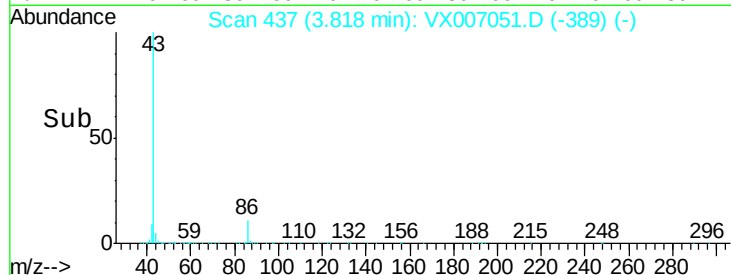
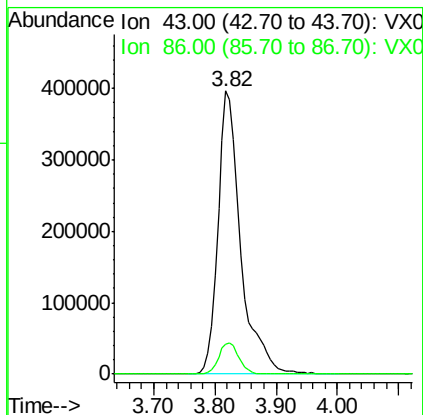
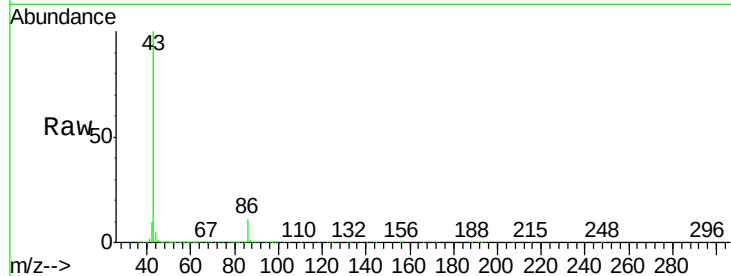
86 10.6 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.041 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

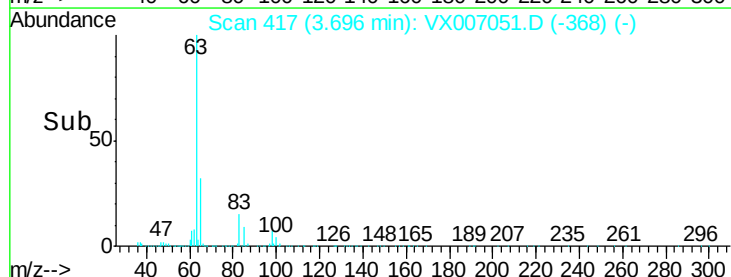
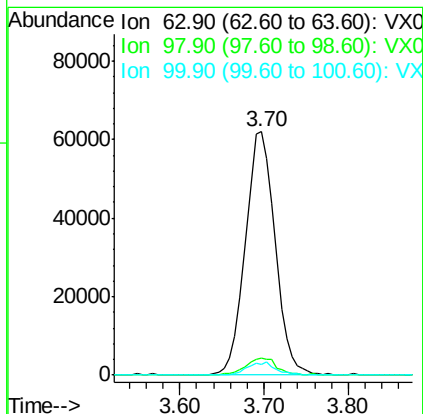
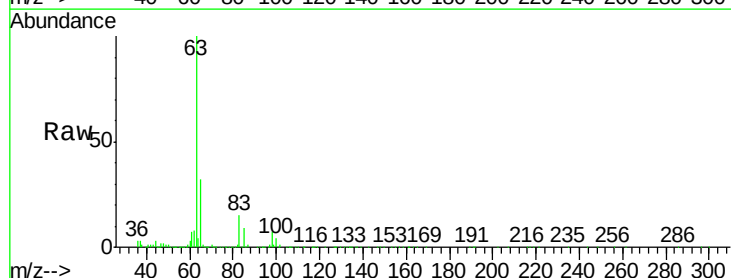
Tgt Ion: 63 Resp: 148452

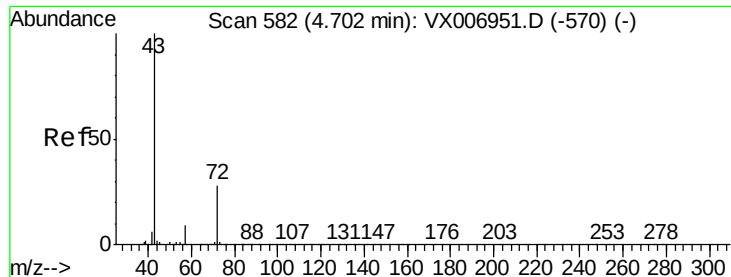
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

100 4.2 2.4 7.2





#25

2-Butanone

Concen: 80.925 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tot Ion: 43 Resp: 314746

Ion Ratio Lower Upper

43 100

72 25.9 22.4 33.6

Instrument :

MSVOA_X

ClientSampleId :

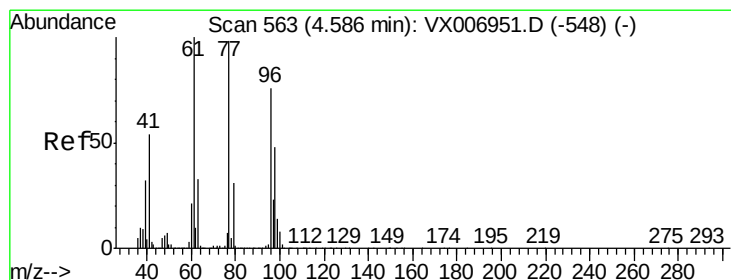
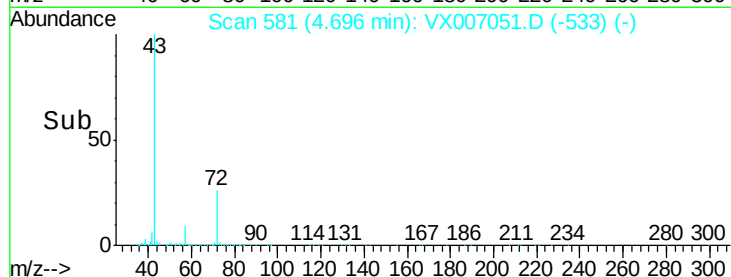
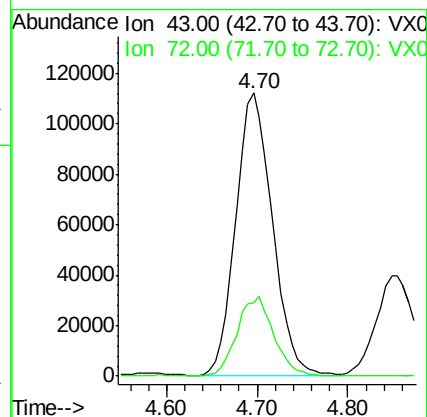
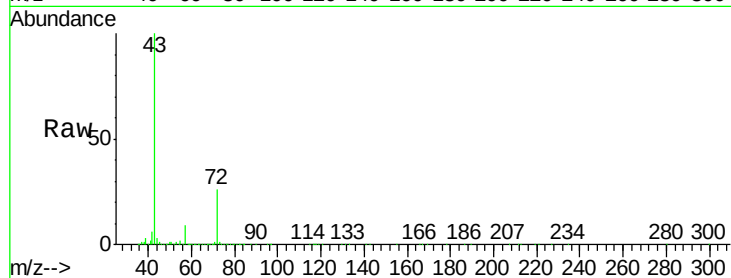
VX0115WBS01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.840 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007051.D

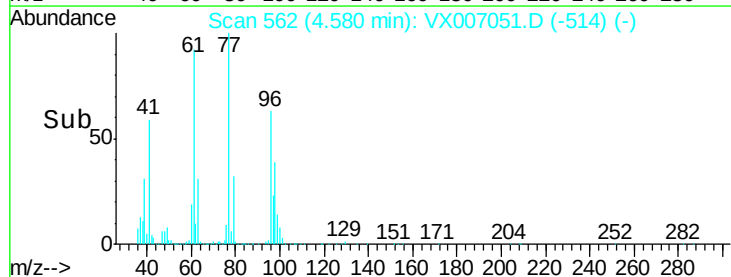
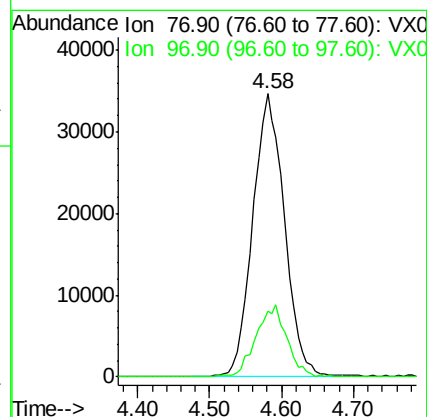
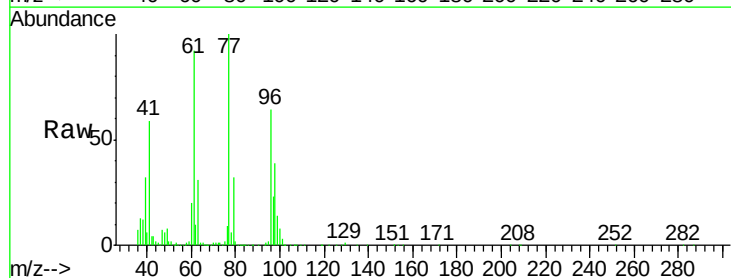
Acq: 15 Jan 2019 12:00

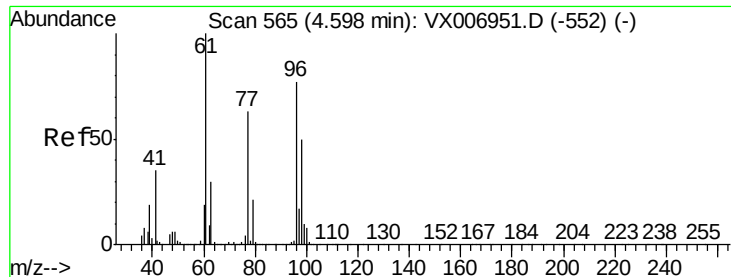
Tgt Ion: 77 Resp: 106107

Ion Ratio Lower Upper

77 100

97 24.7 12.4 37.4





#27

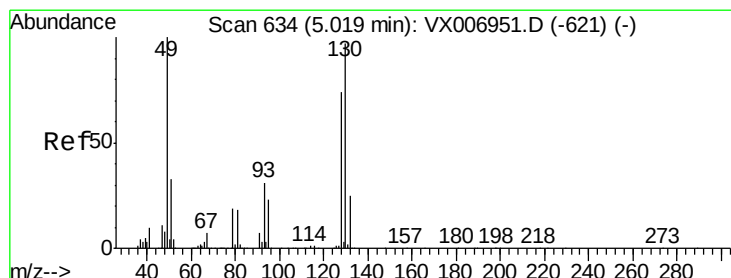
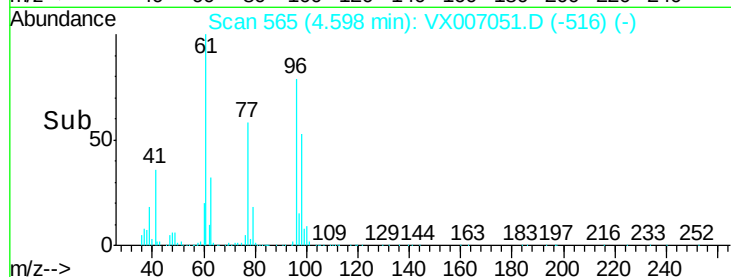
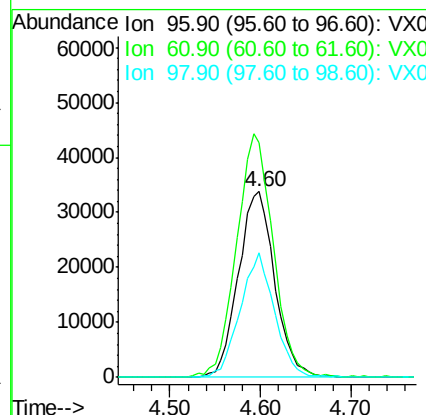
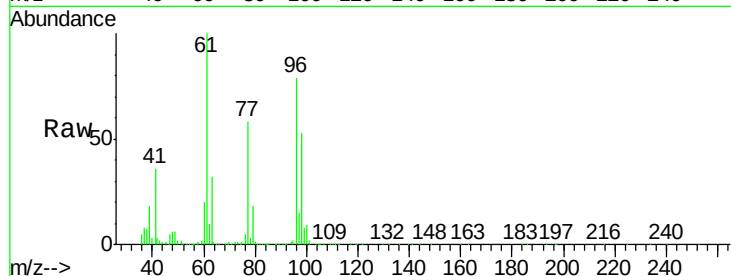
cis-1,2-Dichloroethene
Concen: 15.775 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	258.6
98	63.5	0.0	132.0

Manual Integrations
APPROVED

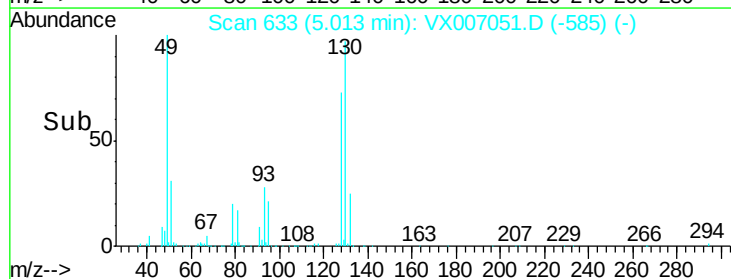
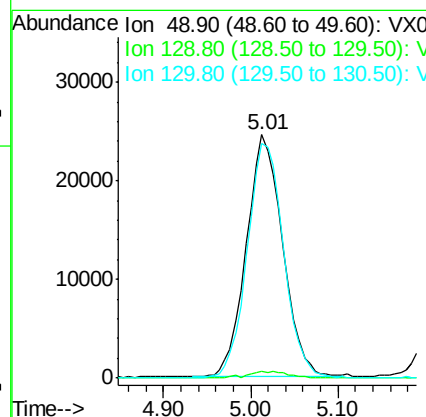
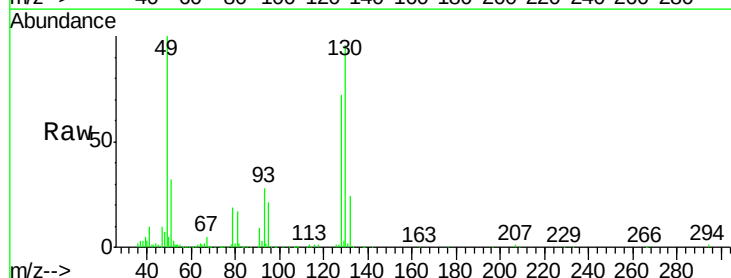
MMDadoda
1/16/2019 9:19:49 AM

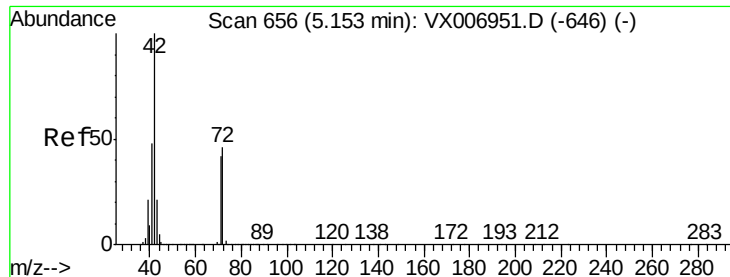


#28

Bromochloromethane
Concen: 18.645 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.4
130	97.2	77.7	116.5





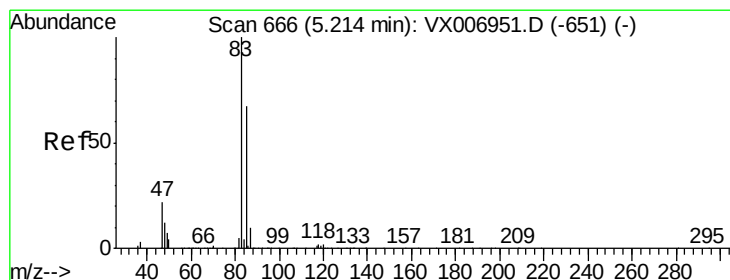
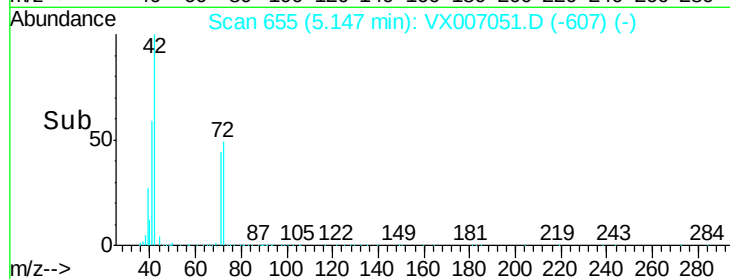
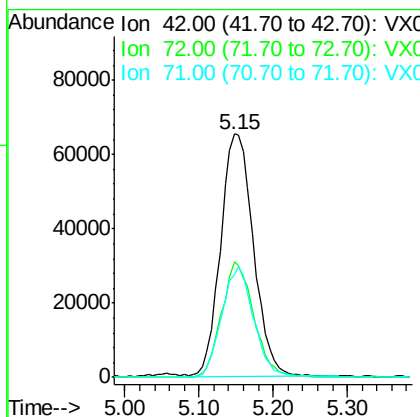
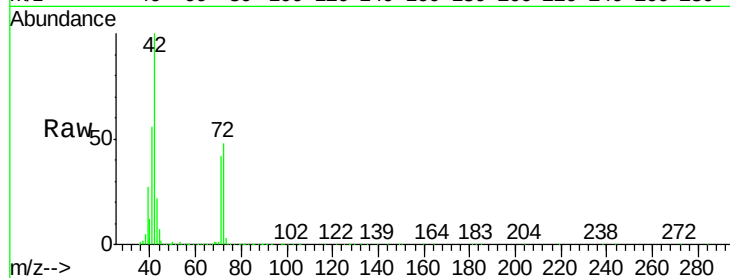
#29
Tetrahydrofuran
Concen: 79.480 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	38.9	58.3
71	44.6	36.2	54.4

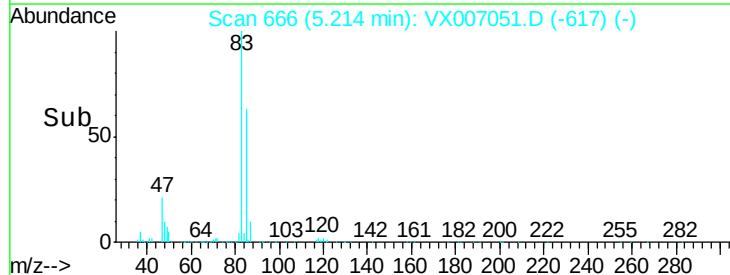
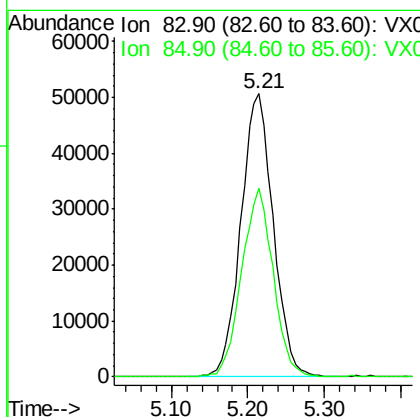
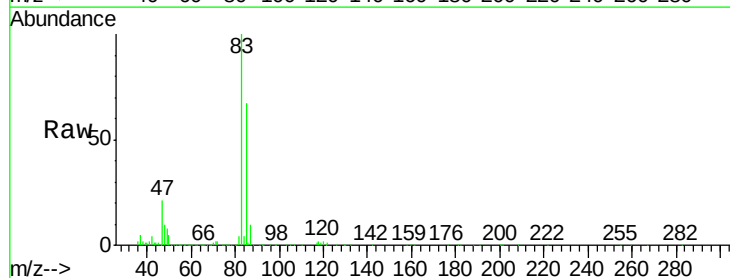
Manual Integrations
APPROVED

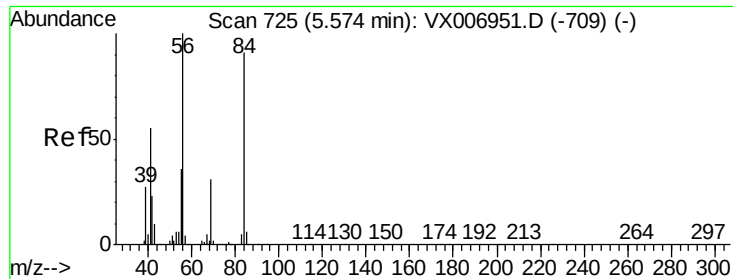
MMDadoda
1/16/2019 9:19:49 AM



#30
Chloroform
Concen: 16.345 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.2	76.8





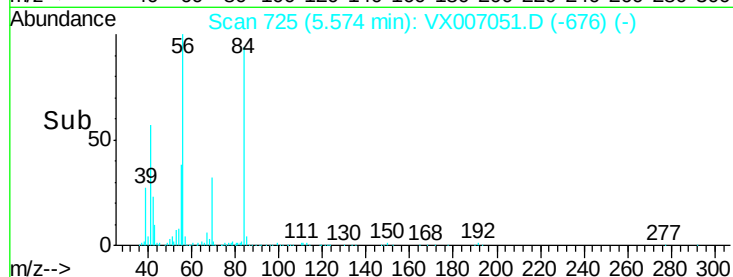
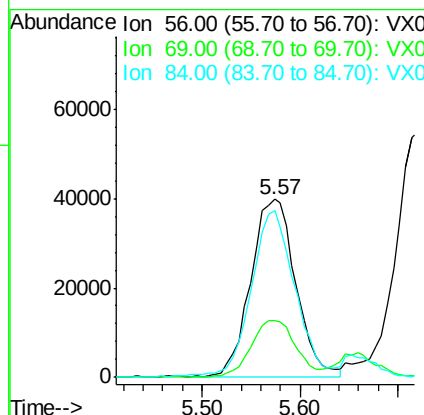
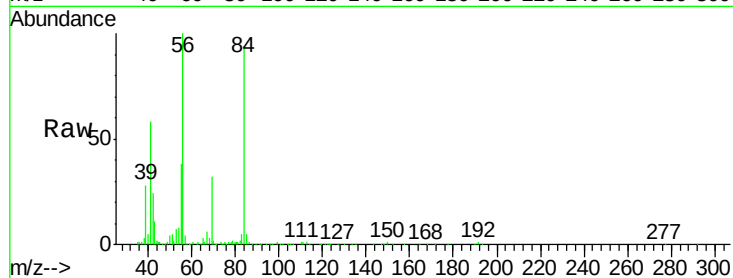
#31
Cyclohexane
Concen: 16.489 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.2	24.4	36.6	
84	92.3	70.0	105.0	

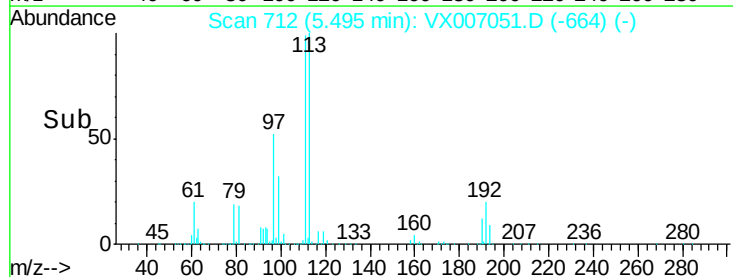
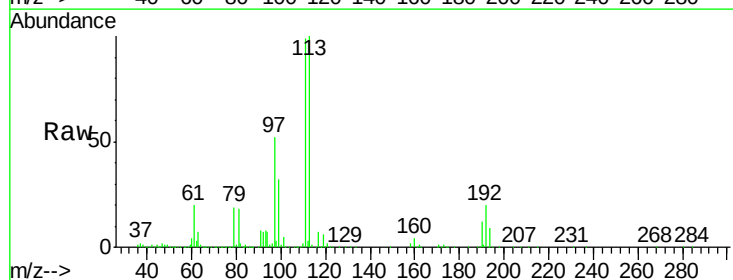
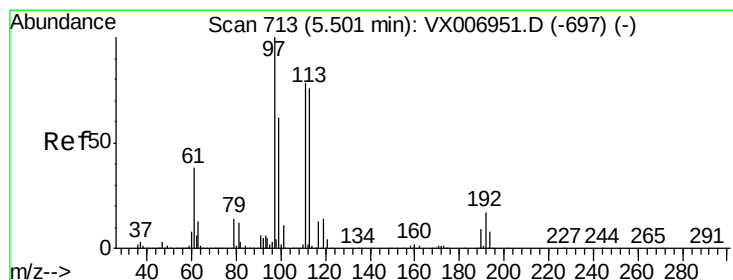
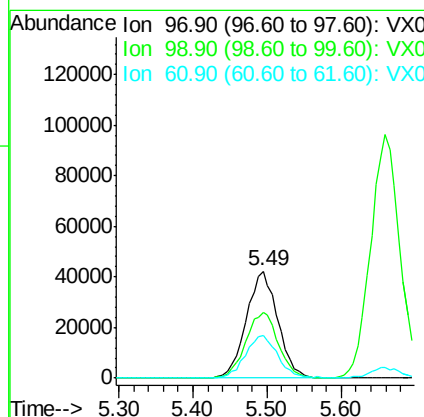
Manual Integrations
APPROVED

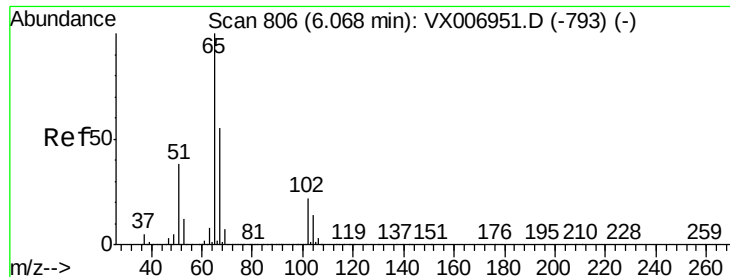
MMDadoda
1/16/2019 9:19:49 AM



#32
1,1,1-Trichloroethane
Concen: 16.172 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.6	51.7	77.5	
61	41.4	31.3	46.9	





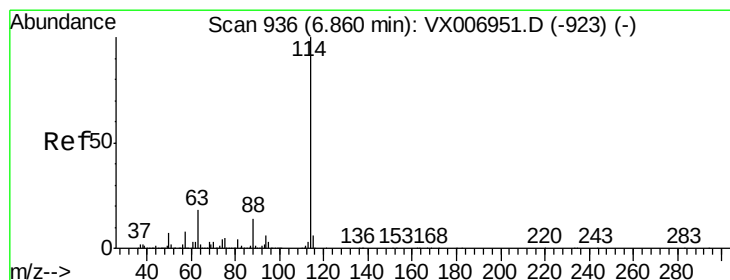
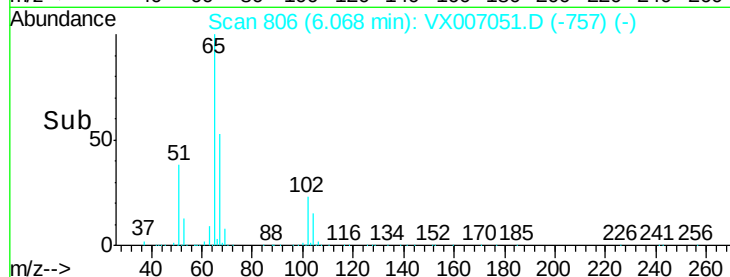
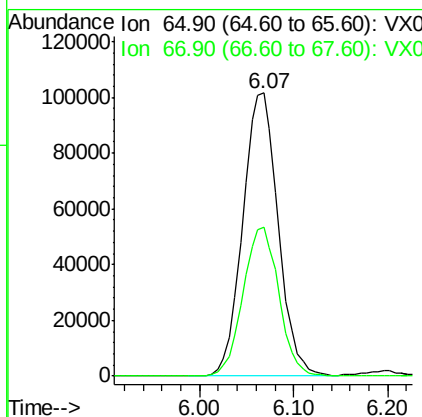
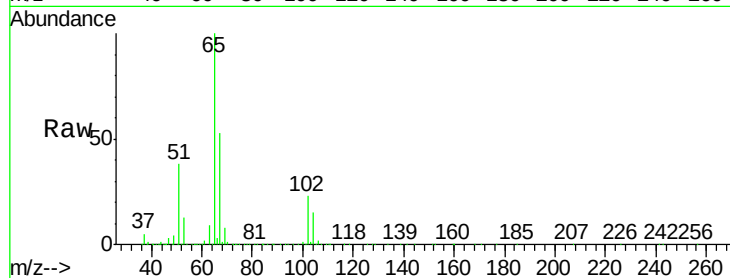
#33
 1,2-Dichloroethane-d4
 Concen: 48.176 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007051.D
 Acq: 15 Jan 2019 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	264889		
67	53.4	0.0	105.0	

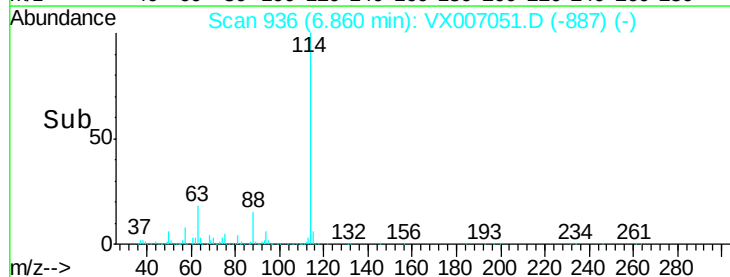
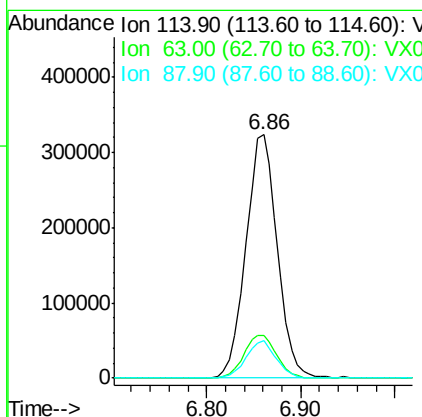
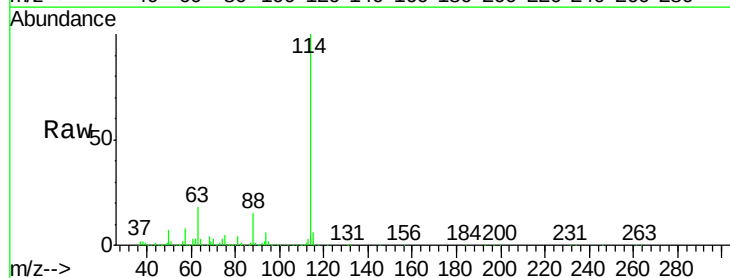
Manual Integrations
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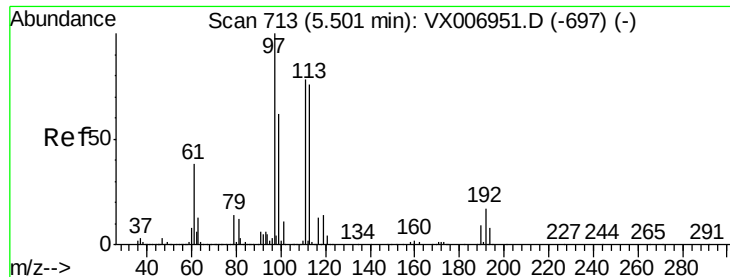
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 1/16/2019 9:19:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007051.D
 Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	757850		
63	17.6	0.0	34.8	
88	15.2	0.0	28.8	





#35

Dibromofluoromethane

Concen: 49.067 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

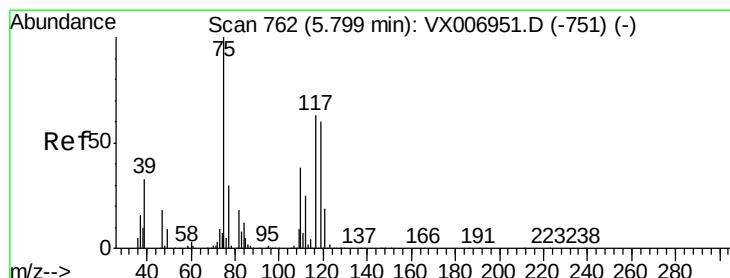
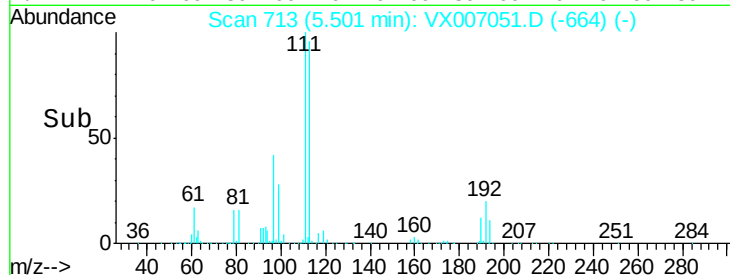
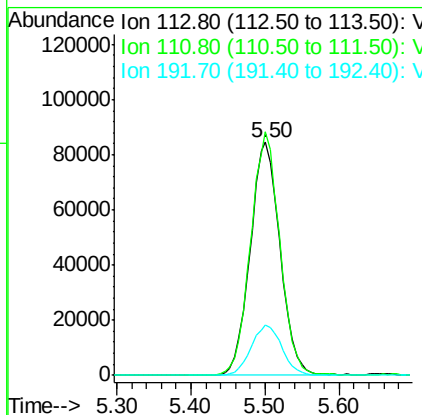
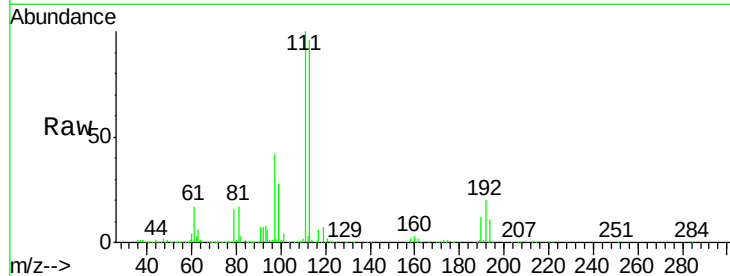
ClientSampleId :

VX0115WBS01

Tot Ion:	113	Resp:	238133
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.6	122.4
192	22.3	16.7	25.1

Manual Integrations
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1/16/2019 9:19:49 AM



#36

1,1-Dichloropropene

Concen: 16.480 ug/l

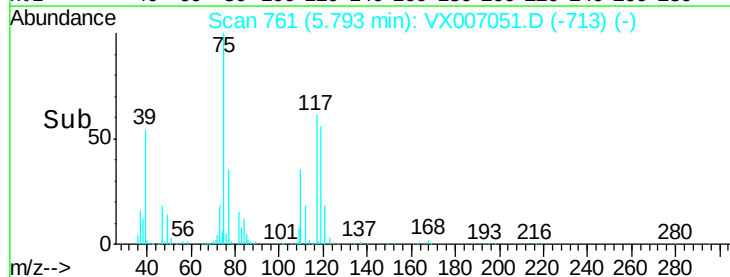
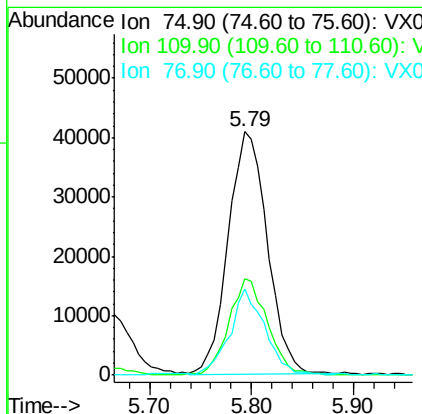
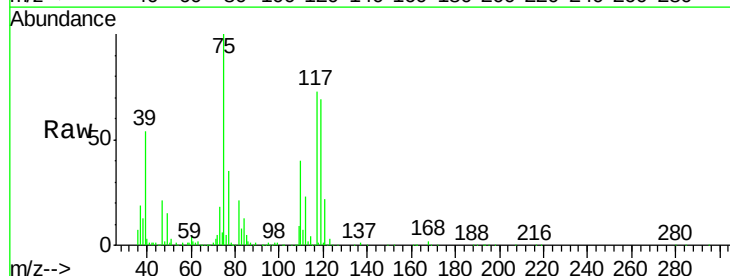
RT: 5.79 min Scan# 761

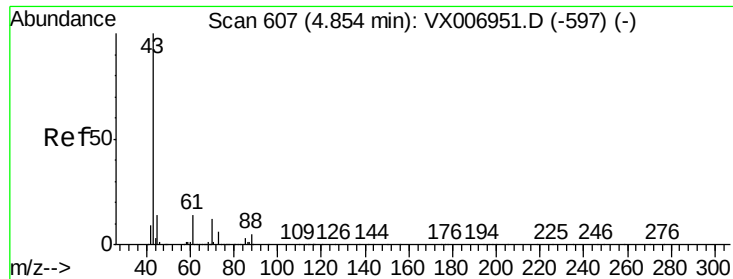
Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tgt Ion:	75	Resp:	108583
Ion Ratio	Lower	Upper	
75	100		
110	39.1	20.2	60.5
77	31.9	24.8	37.2





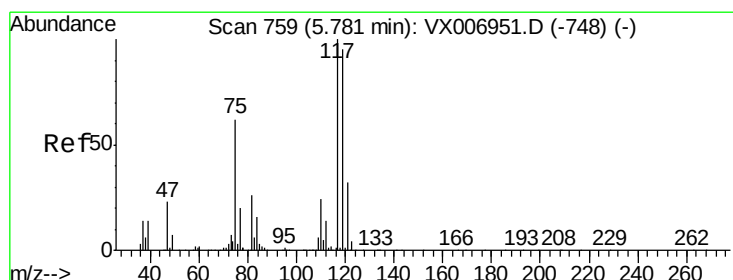
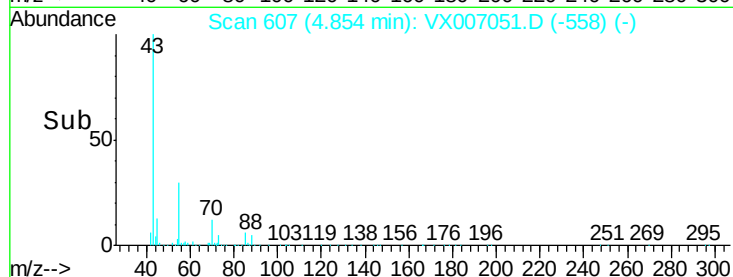
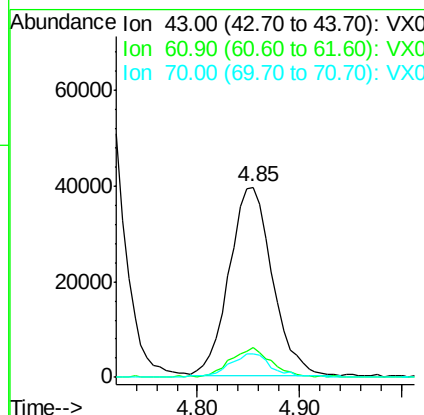
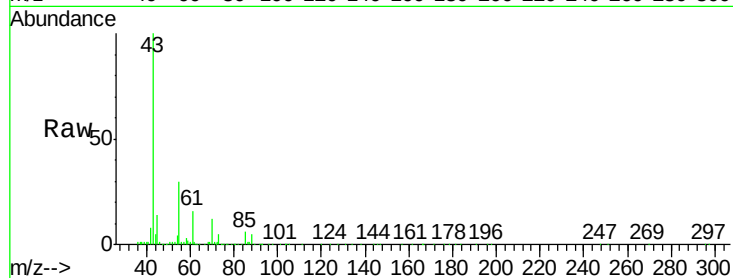
#37
Ethyl Acetate
Concen: 16.424 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.9	17.9
70	12.5	9.7	14.5

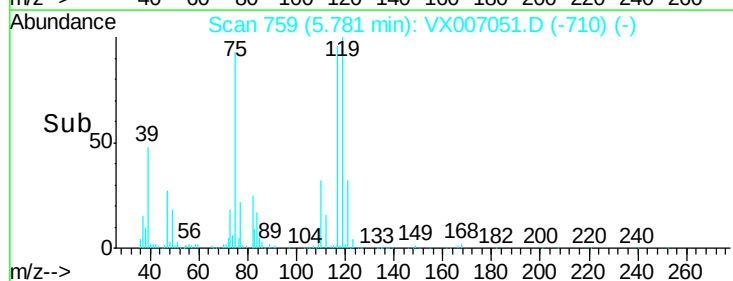
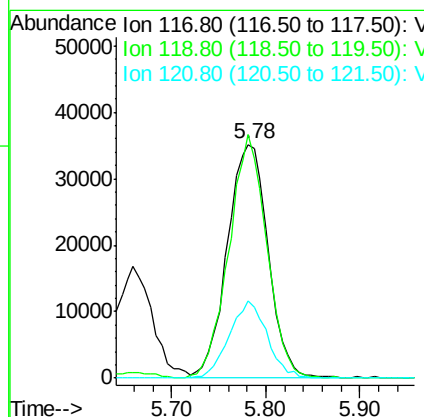
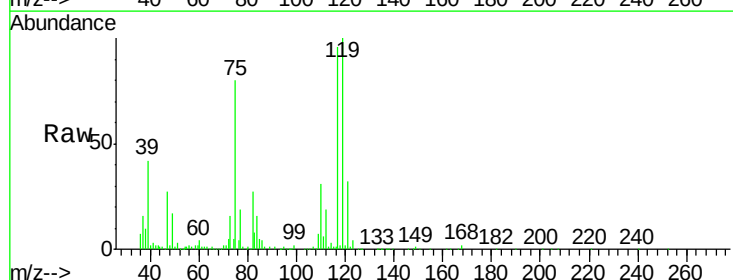
Manual Integrations
APPROVED

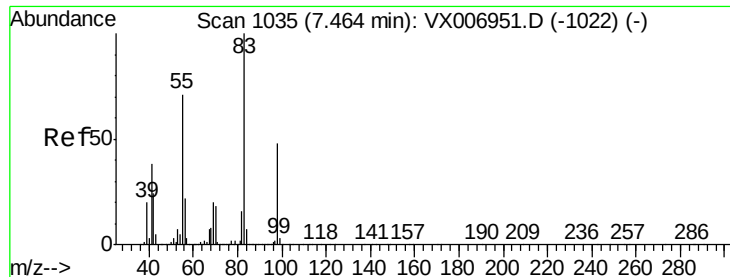
MMDadoda
1/16/2019 9:19:49 AM



#38
Carbon Tetrachloride
Concen: 16.005 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.2	79.4	119.2
121	32.7	24.0	36.0





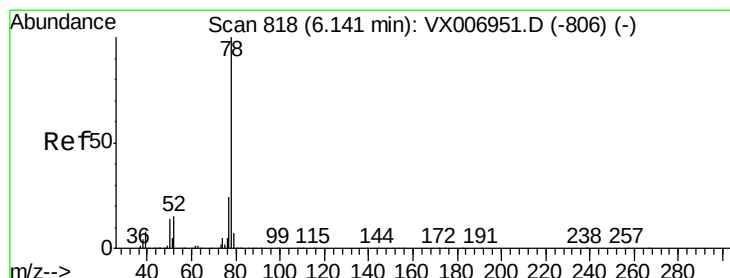
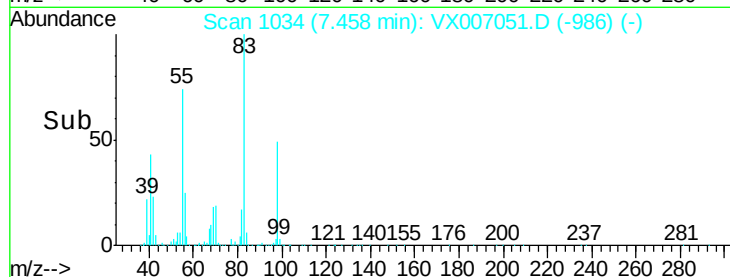
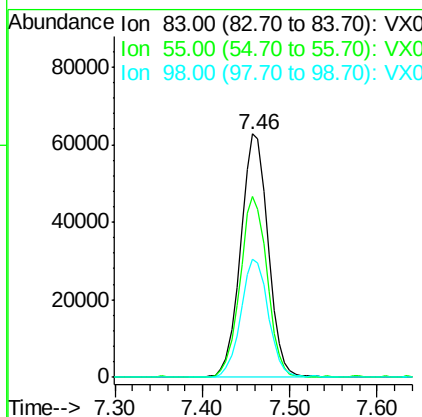
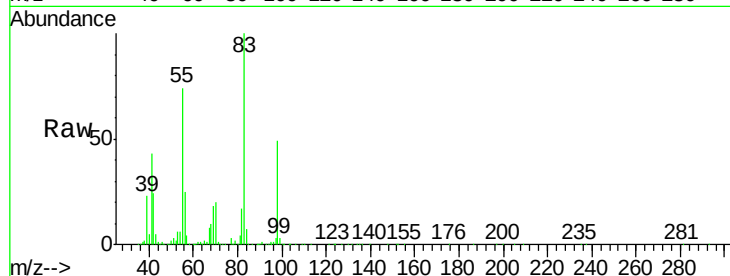
#39
Methylvlcyclohexane
Concen: 16.227 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	54.9	82.3
98	48.7	37.9	56.9

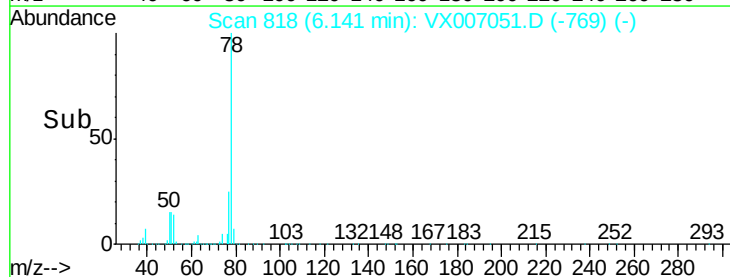
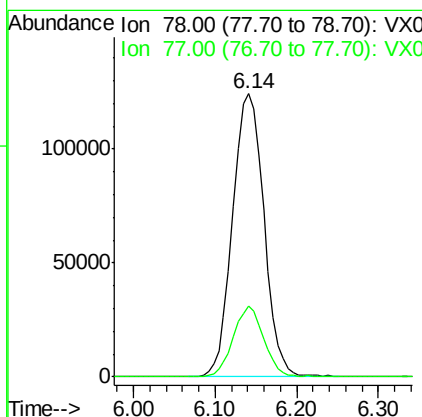
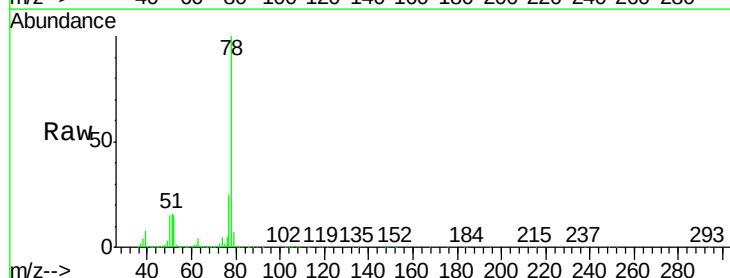
Manual Integrations
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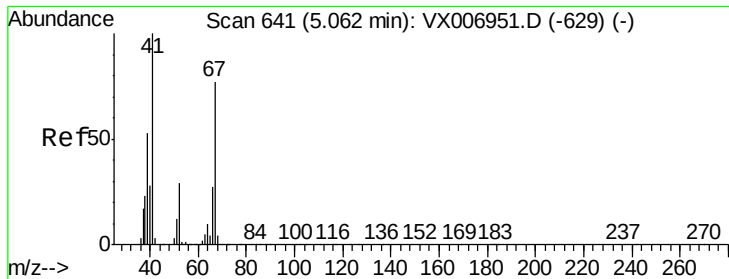
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#40
Benzene
Concen: 16.463 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.2	28.8





#41

Methacrylonitrile

Concen: 16.087 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

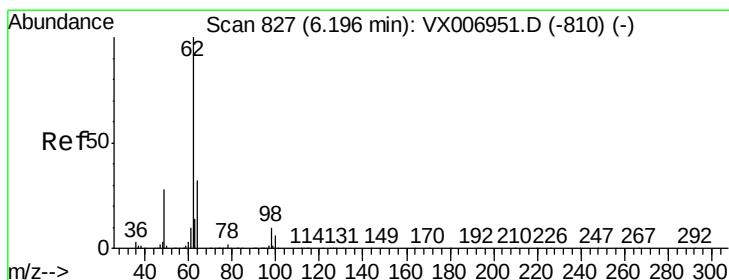
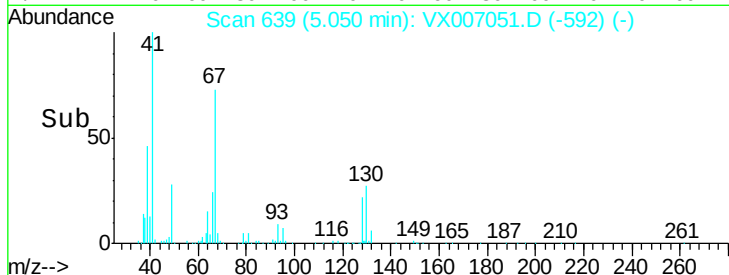
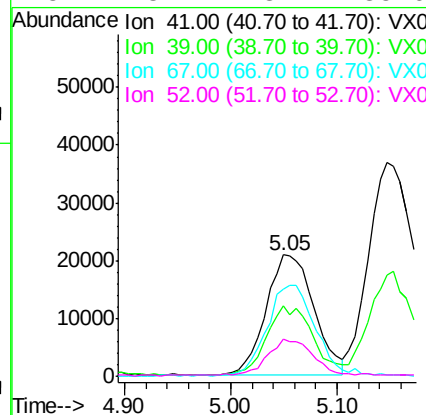
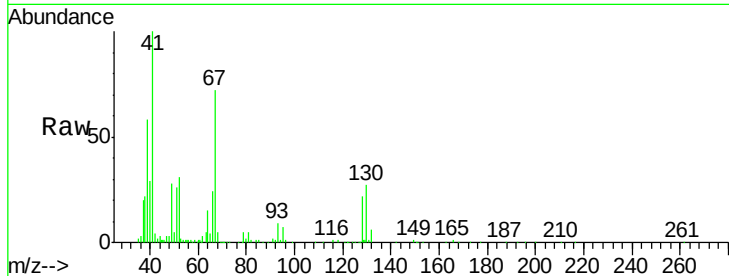
ClientSampleId :

VX0115WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	42.8	64.2	
67	75.3	62.1	93.1	
52	28.4	23.4	35.0	

Manual Integrations
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1/16/2019 9:19:49 AM



#42

1,2-Dichloroethane

Concen: 16.290 ug/l

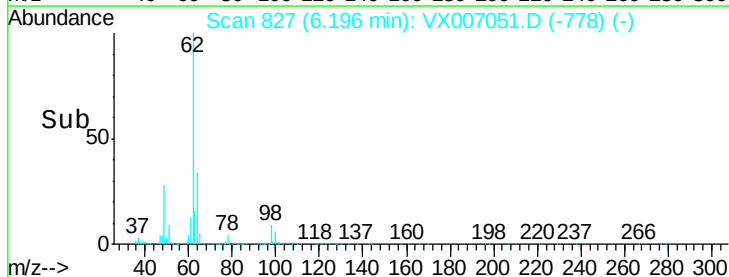
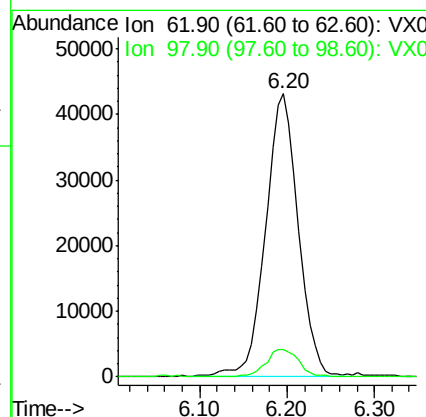
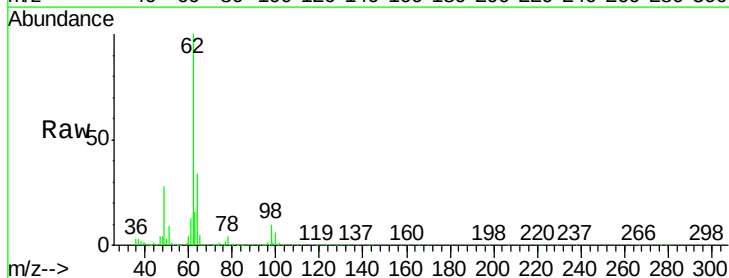
RT: 6.20 min Scan# 827

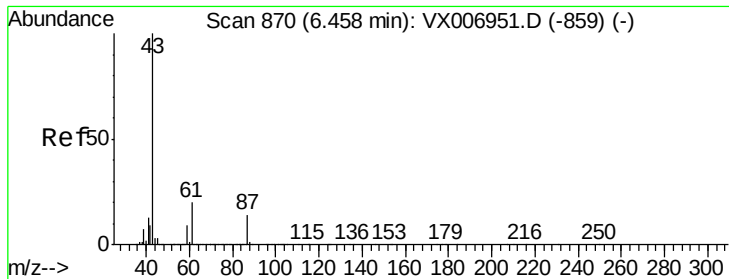
Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.2	





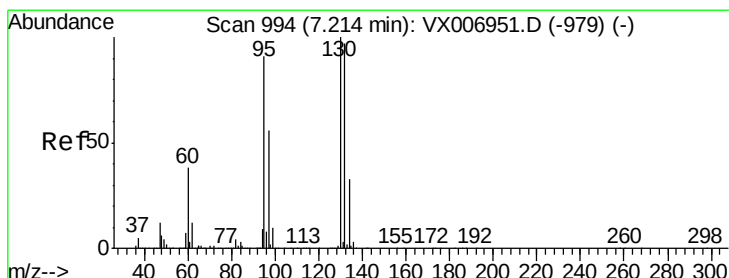
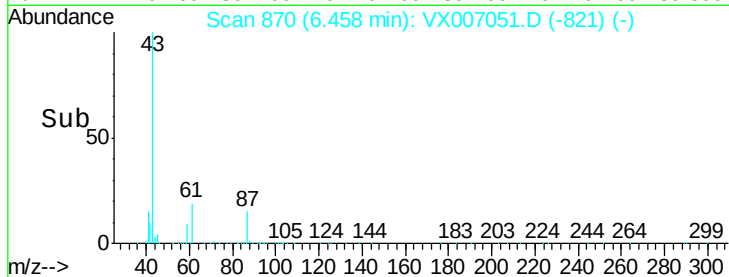
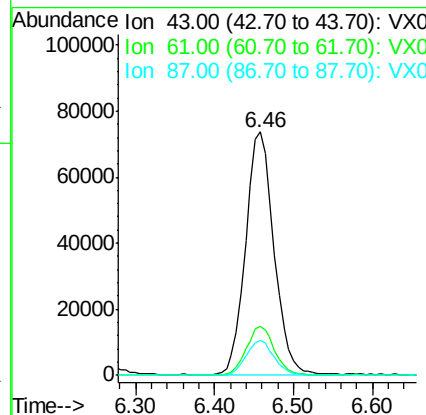
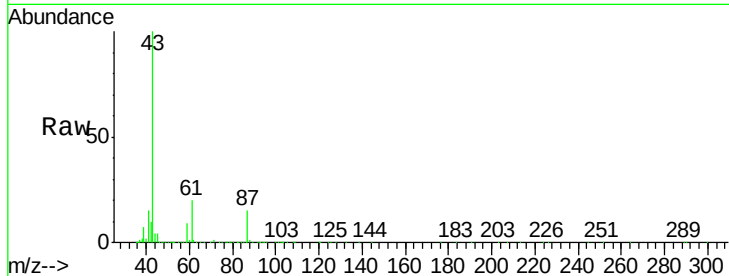
#43
Isopropyl Acetate
Concen: 16.670 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.8	25.2
87	14.2	12.4	18.6

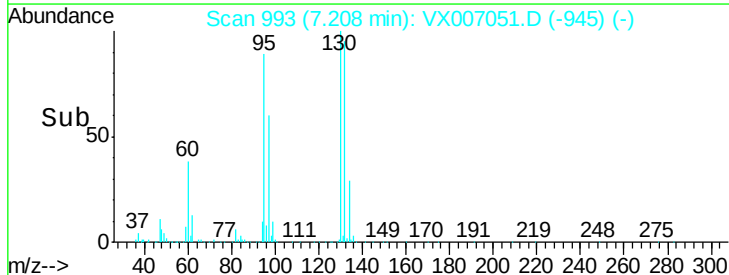
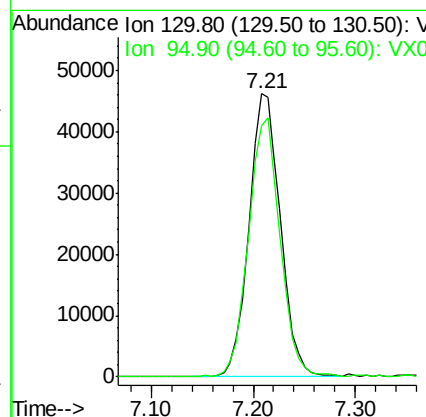
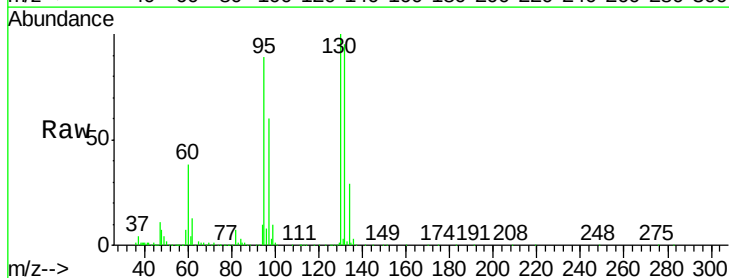
Manual Integrations
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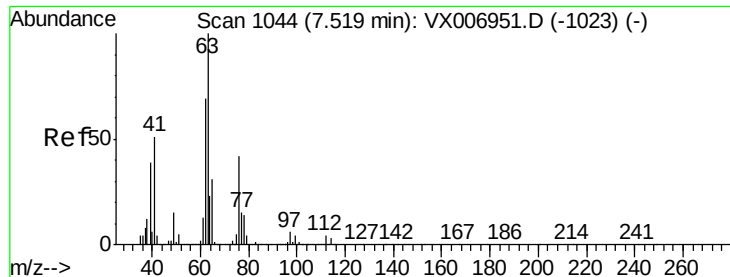
MMDadoda
1/16/2019 9:19:49 AM



#44
Trichloroethene
Concen: 16.431 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	187.0





#45

1,2-Dichloropropane

Concen: 16.676 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion: 63 Resp: 84289

Ion Ratio Lower Upper

63 100

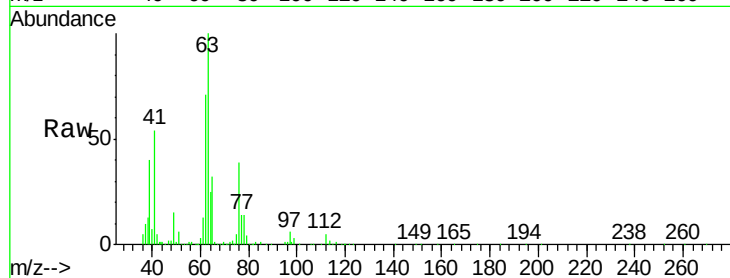
65 32.0 25.4 38.0

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

40000

30000

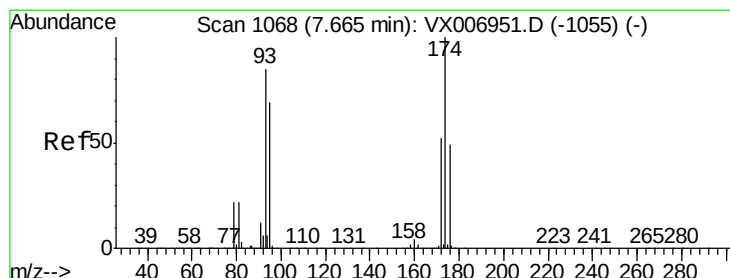
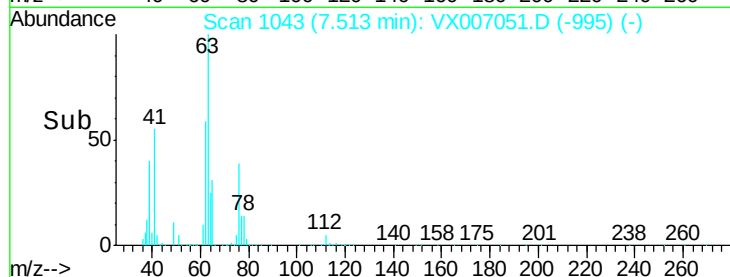
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 16.778 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

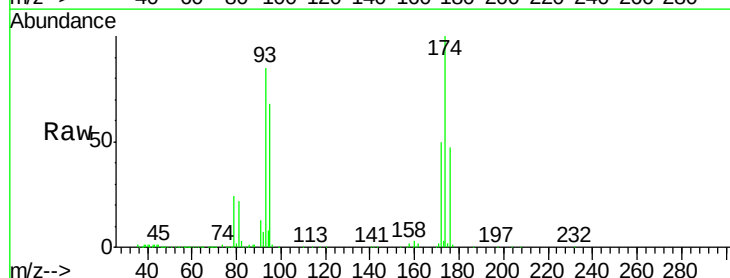
Tgt Ion: 93 Resp: 59598

Ion Ratio Lower Upper

93 100

95 80.8 66.2 99.4

174 115.6 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

50000

40000

30000

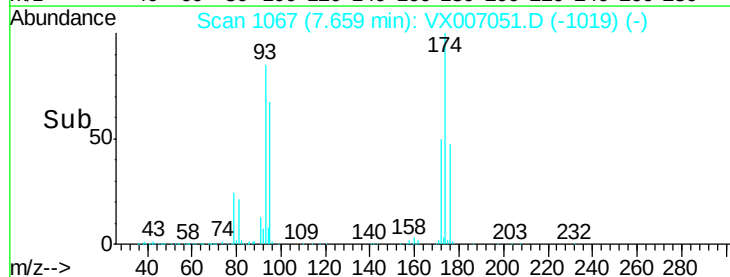
20000

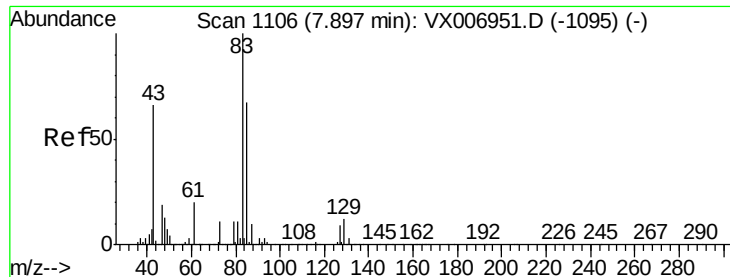
10000

0

7.60 7.70

Time-->





#47

Bromodichloromethane

Concen: 16.261 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

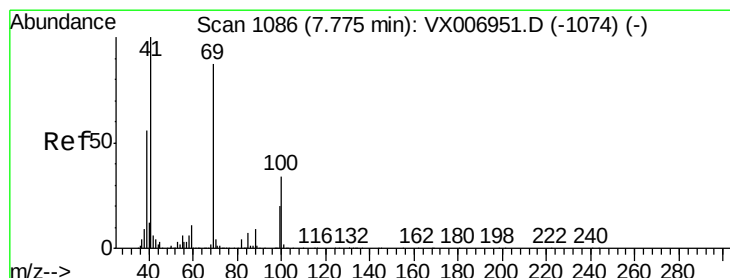
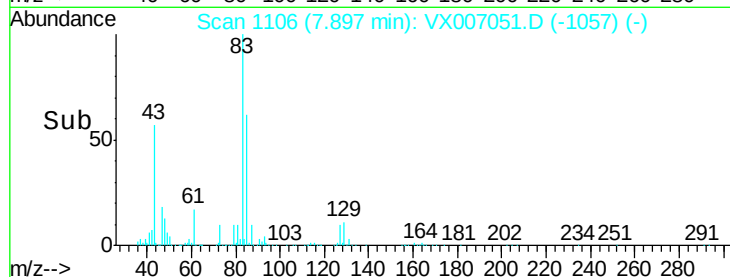
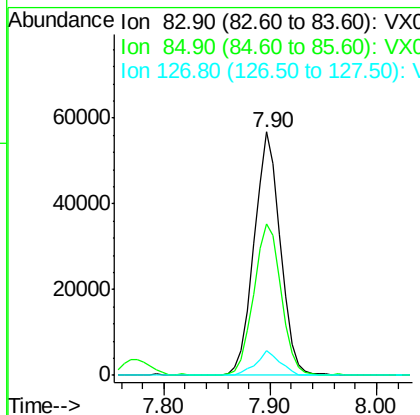
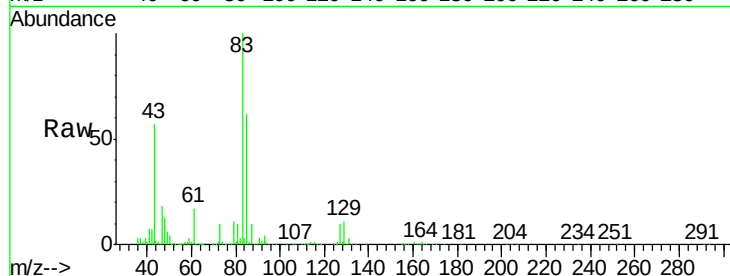
ClientSampleId :

VX0115WBS01

Tot Ion:	83	Resp:	98323
Ion	Ratio	Lower	Upper
83	100		
85	62.2	53.2	79.8
127	10.4	7.8	11.6

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 16.564 ug/l

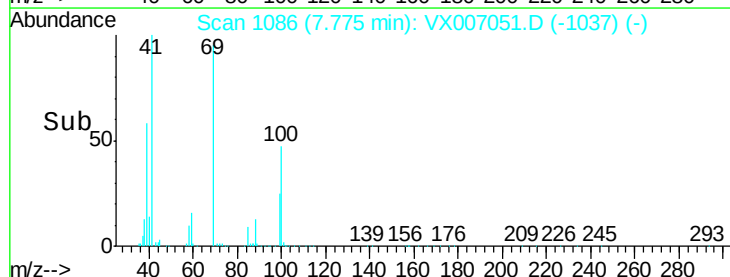
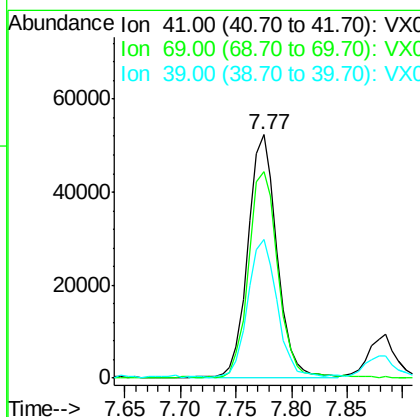
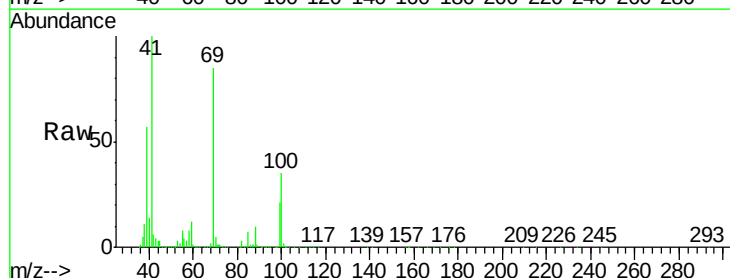
RT: 7.77 min Scan# 1086

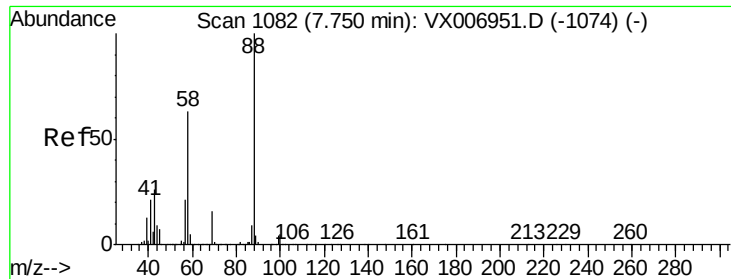
Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tgt Ion:	41	Resp:	94779
Ion	Ratio	Lower	Upper
41	100		
69	86.6	72.4	108.6
39	57.2	45.8	68.8





#49

1,4-Dioxane

Concen: 344.447 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

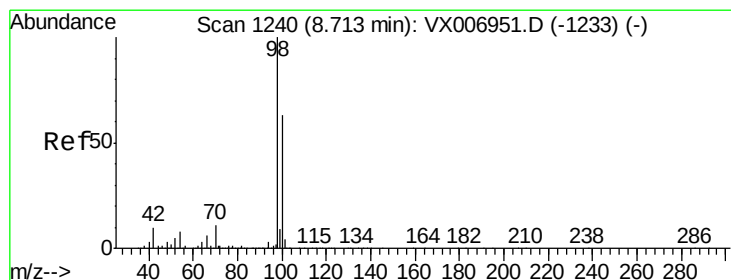
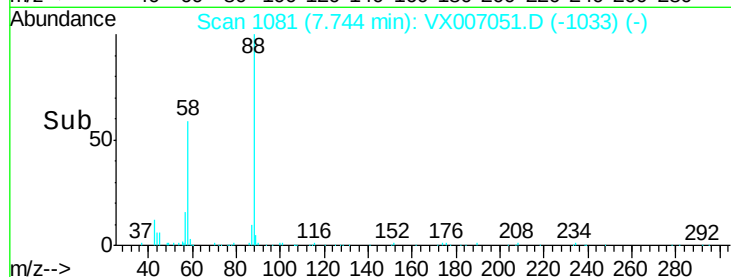
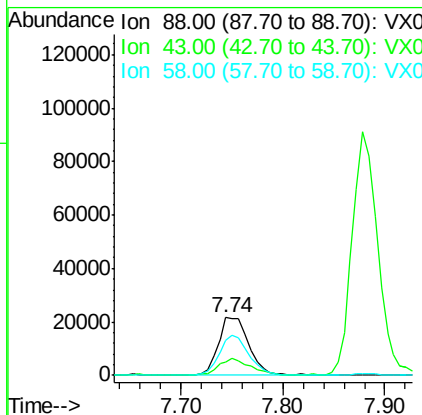
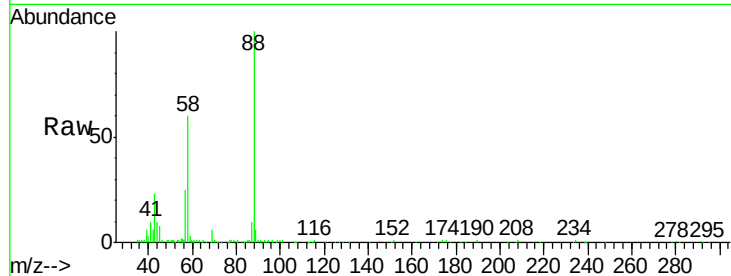
ClientSampleId :

VX0115WBS01

Tot Ion:	88	Resp:	45745
Ion	Ratio	Lower	Upper
88	100		
43	29.0	22.2	33.4
58	65.3	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 50.482 ug/l

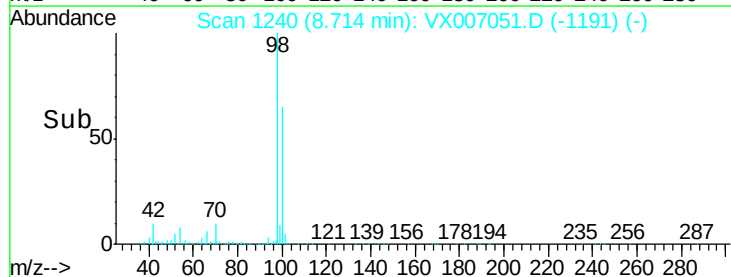
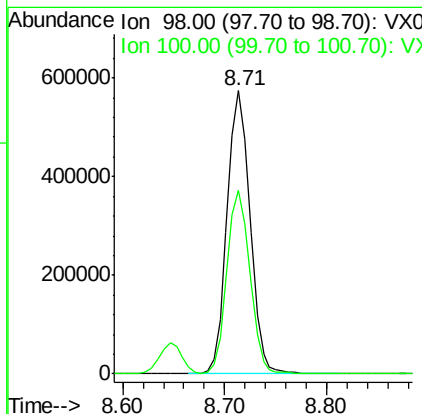
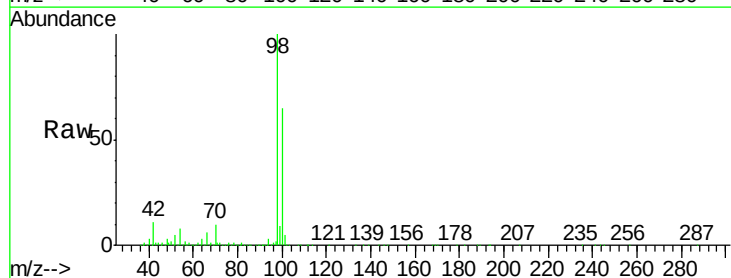
RT: 8.71 min Scan# 1240

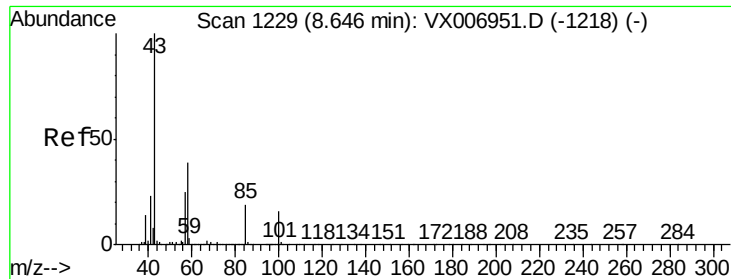
Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tgt Ion:	98	Resp:	896770
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 85.315 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion: 43 Resp: 610915

Ion Ratio Lower Upper

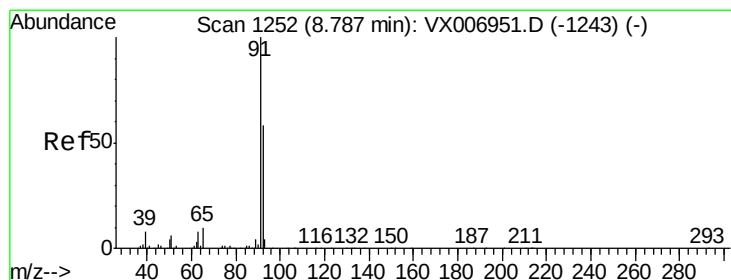
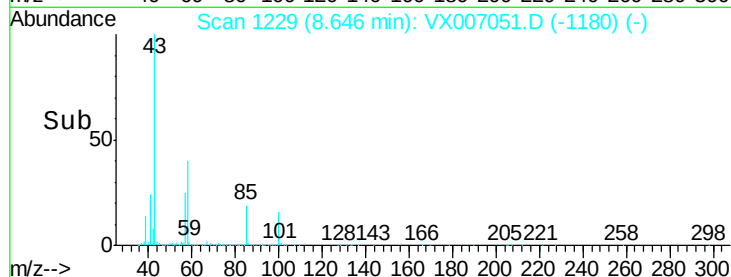
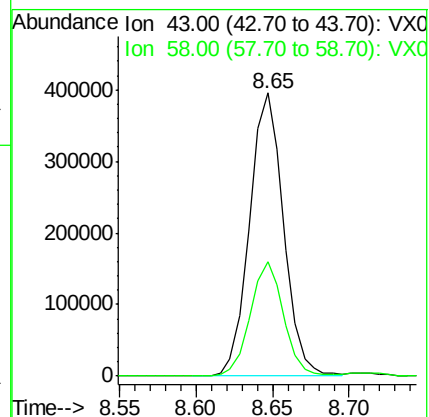
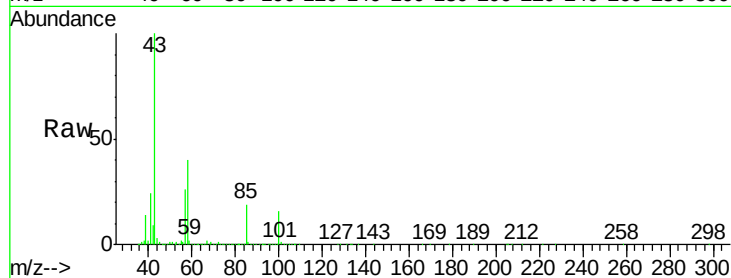
43 100

58 39.5 31.8 47.6

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#52

Toluene

Concen: 16.610 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007051.D

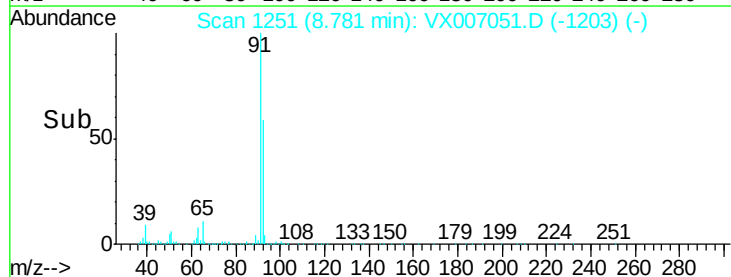
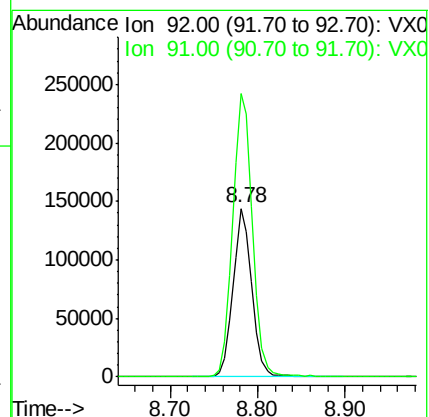
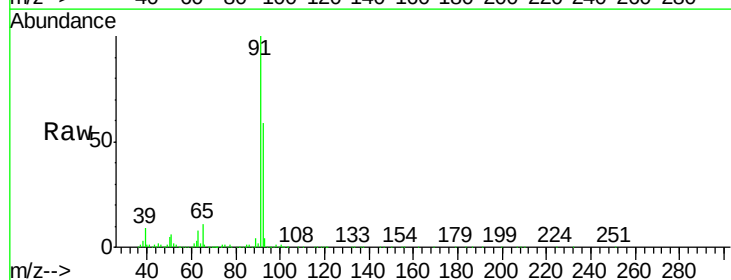
Acq: 15 Jan 2019 12:00

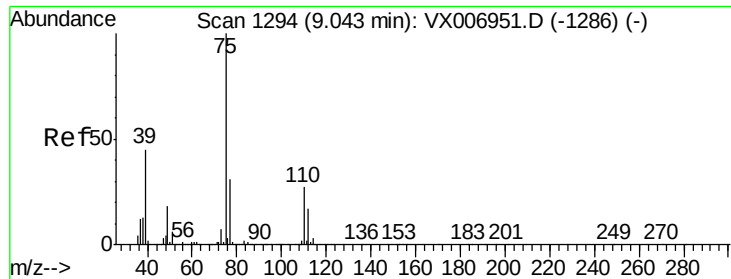
Tgt Ion: 92 Resp: 214637

Ion Ratio Lower Upper

92 100

91 177.7 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 15.658 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion: 75 Resp: 104981

Ion Ratio Lower Upper

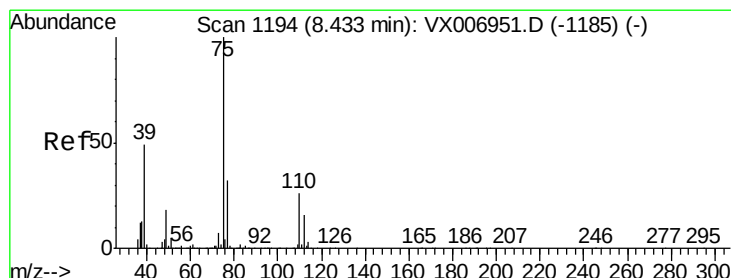
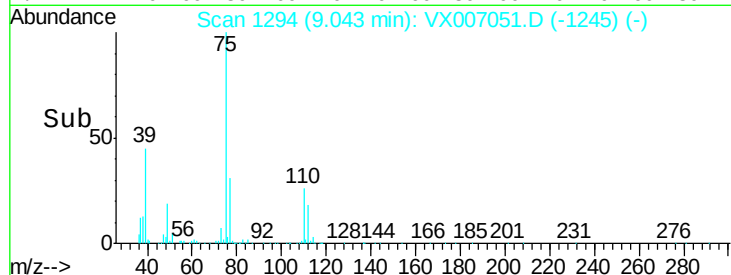
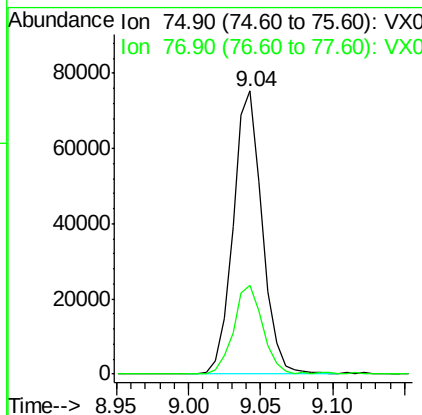
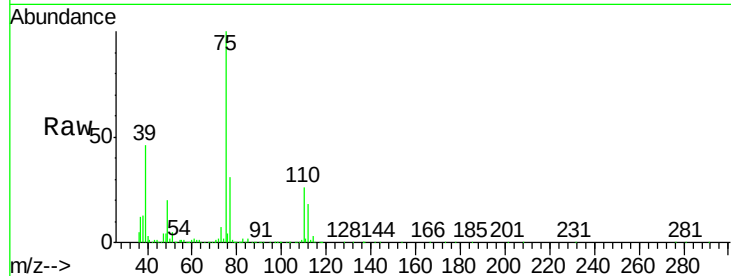
75 100

77 31.4 25.4 38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 15.976 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

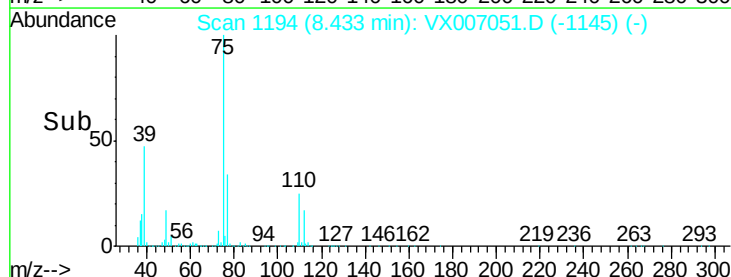
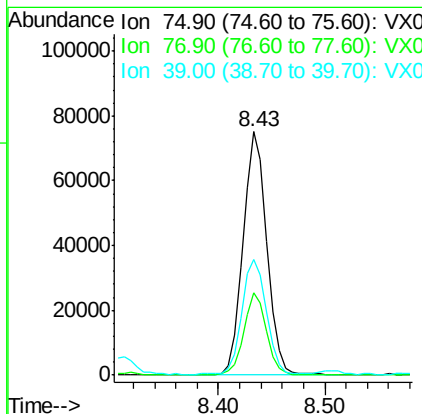
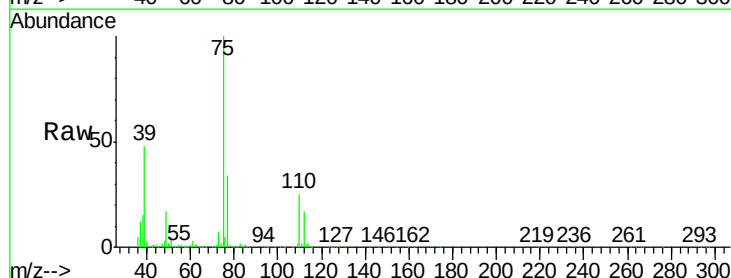
Tgt Ion: 75 Resp: 118289

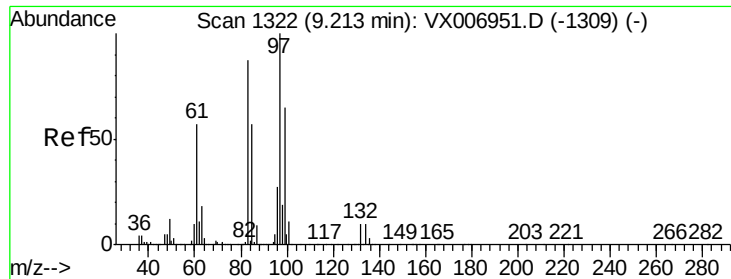
Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.2

39 47.2 36.7 55.1





#55

1,1,2-Trichloroethane

Concen: 17.692 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

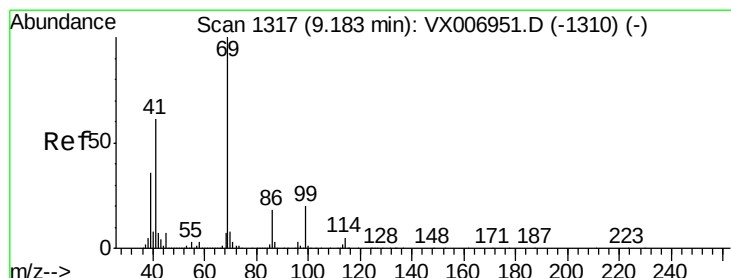
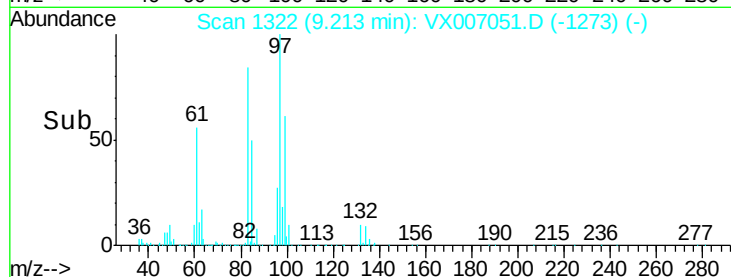
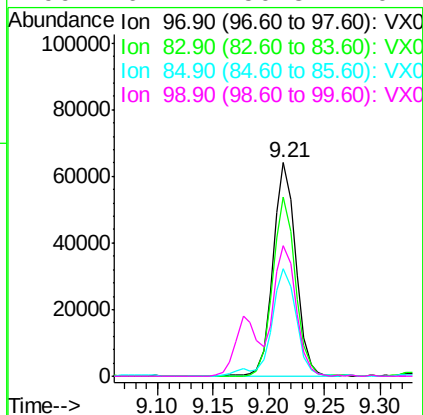
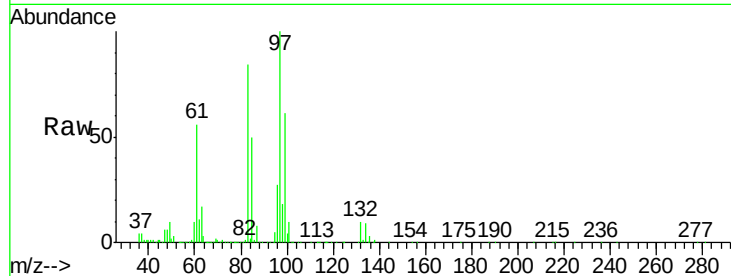
ClientSampleId :

VX0115WBS01

Tot Ion	Ion	Ratio	Resp: Lower	Upper
97	100			
83	83.9	66.6	99.8	
85	50.4	42.7	64.1	
99	61.1	50.8	76.2	

Manual Integrations
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#56

Ethyl methacrylate

Concen: 17.421 ug/l

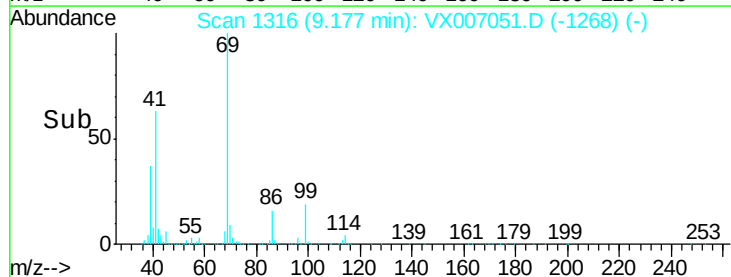
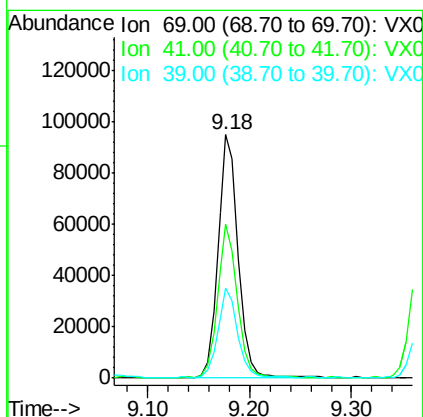
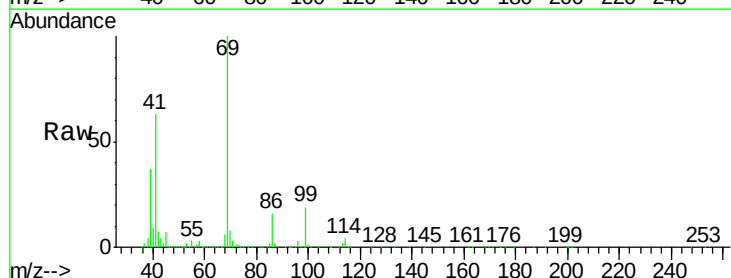
RT: 9.18 min Scan# 1316

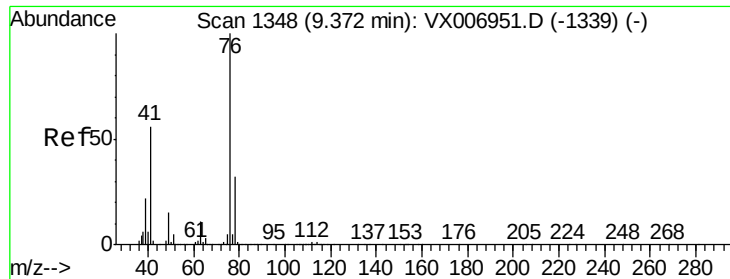
Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tgt Ion	Ion	Ratio	Resp: Lower	Upper
69	100			
41	61.5	48.7	73.1	
39	35.6	27.0	40.6	





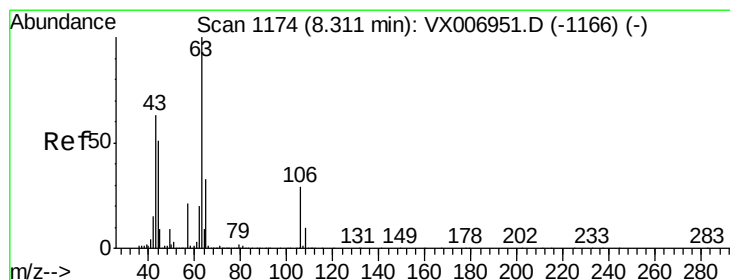
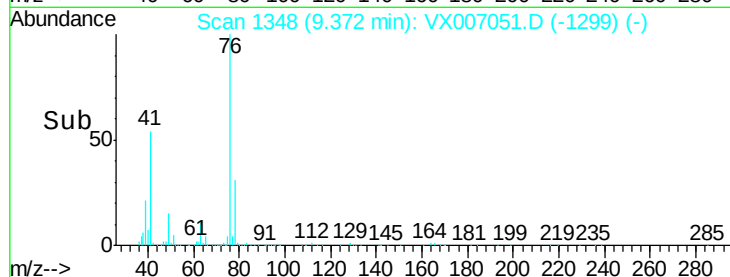
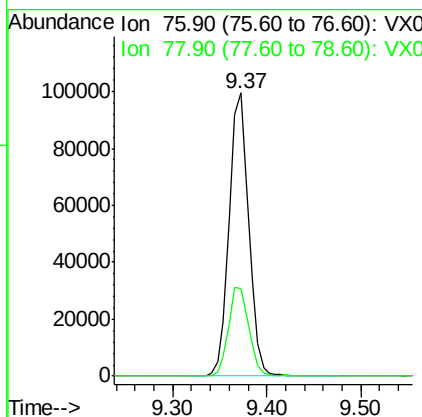
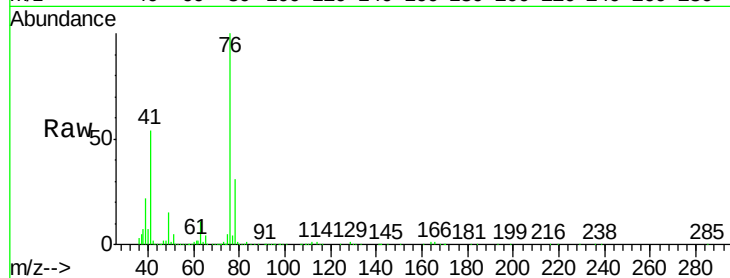
#57
 1,3-Dichloropropane
 Concen: 17.029 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007051.D
 Acq: 15 Jan 2019 12:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0115WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.0	39.0

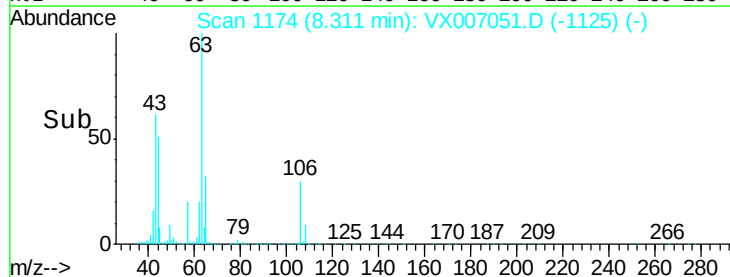
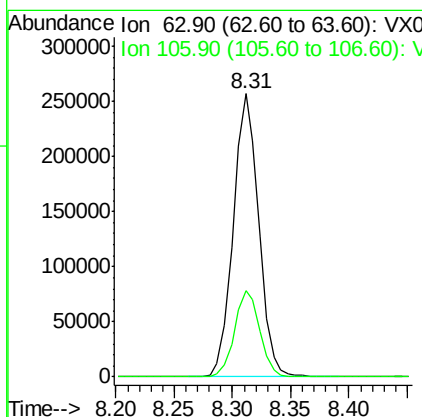
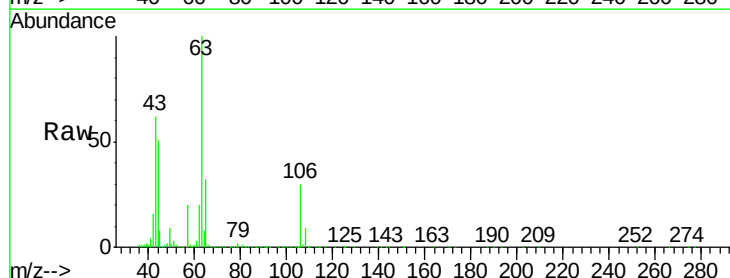
Manual Integrations
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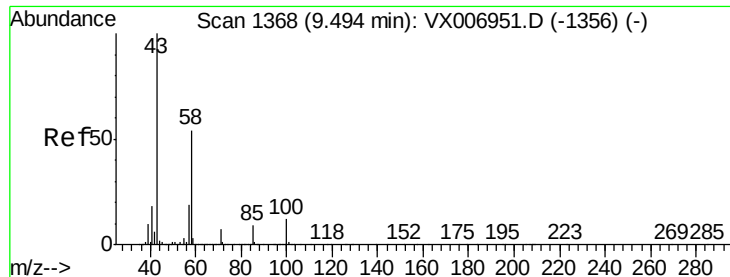
MMDadoda
 1/16/2019 9:19:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.854 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007051.D
 Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.6	36.8





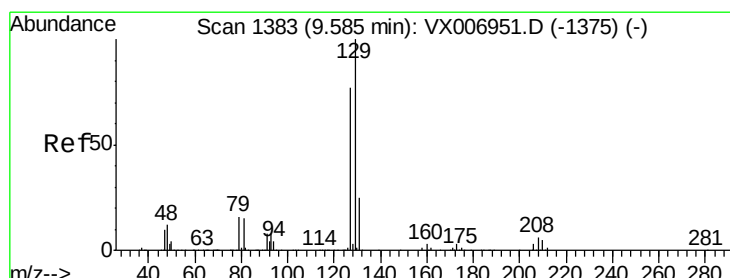
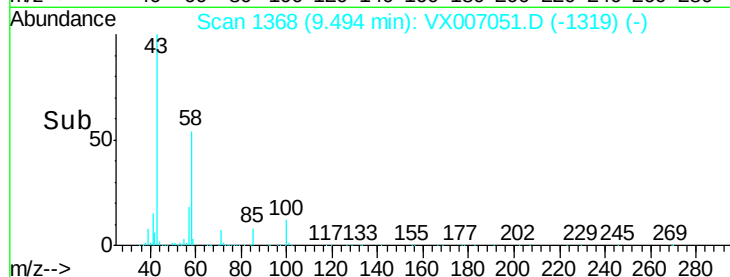
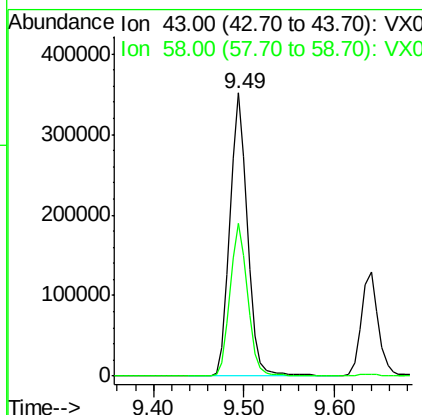
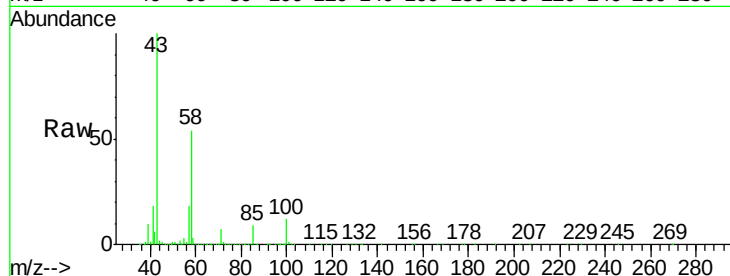
#59
2-Hexanone
Concen: 86.356 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.7	83.1

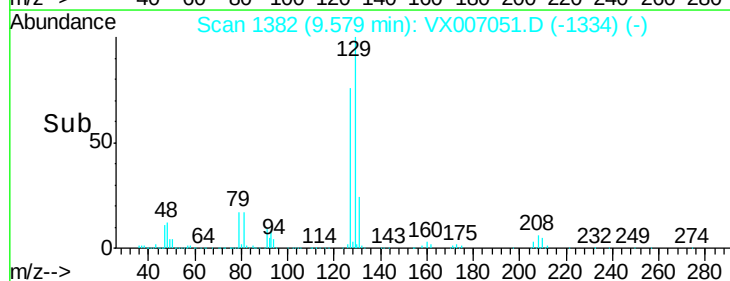
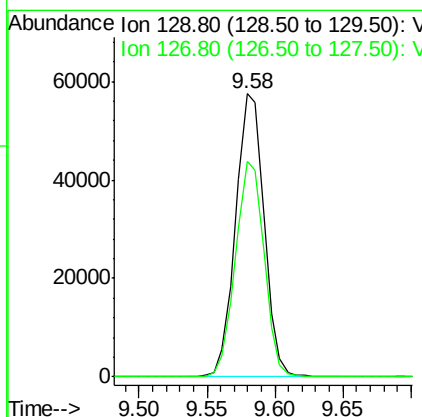
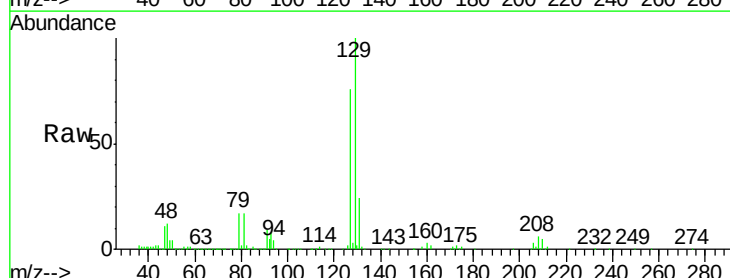
Manual Integrations
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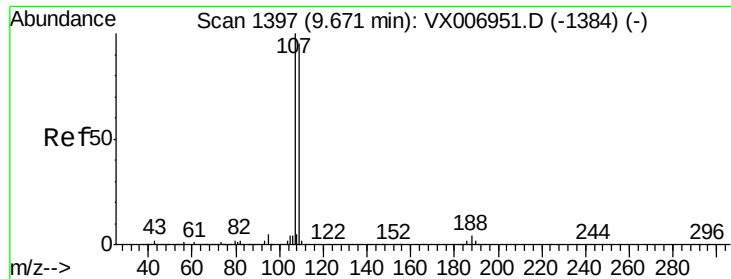
MMDadoda
1/16/2019 9:19:49 AM



#60
Dibromochloromethane
Concen: 16.742 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.3	117.8





#61

1,2-Dibromoethane

Concen: 16.607 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion: 107 Resp: 94562

Ion Ratio Lower Upper

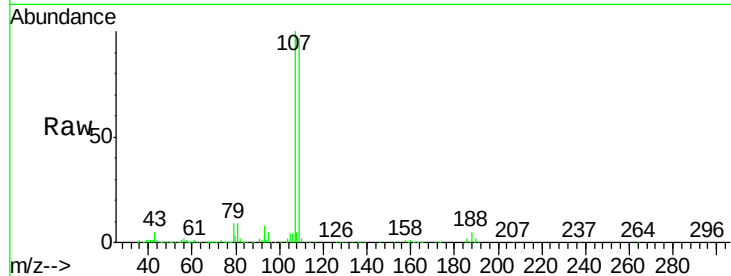
107 100

109 94.9 75.8 113.6

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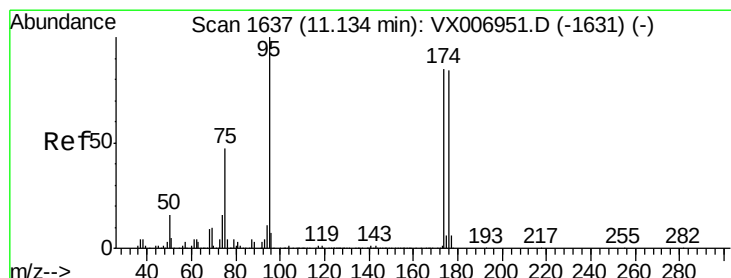
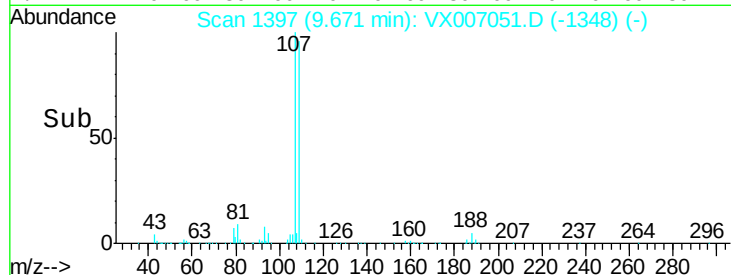
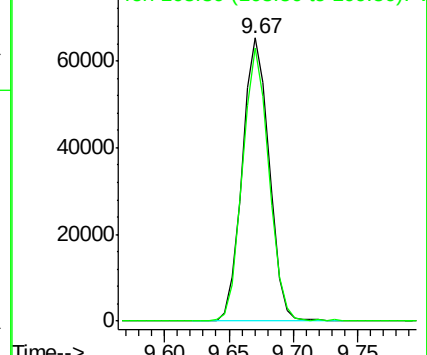
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.354 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

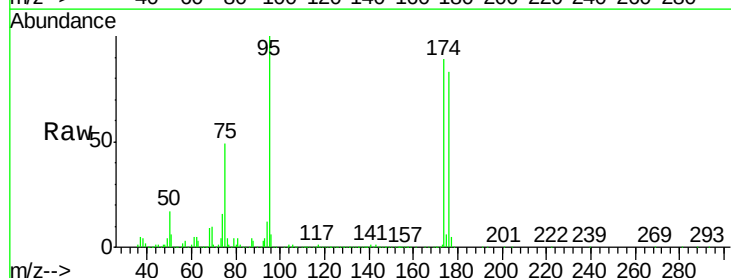
Tgt Ion: 95 Resp: 330425

Ion Ratio Lower Upper

95 100

174 93.7 0.0 182.2

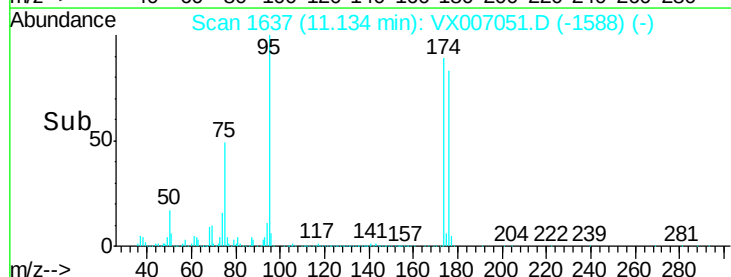
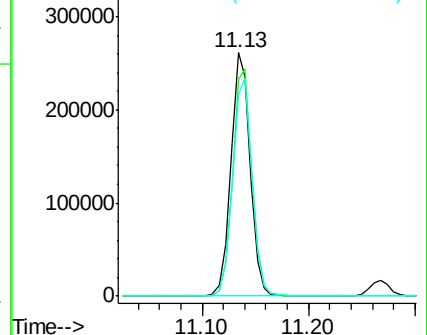
176 90.6 0.0 178.8

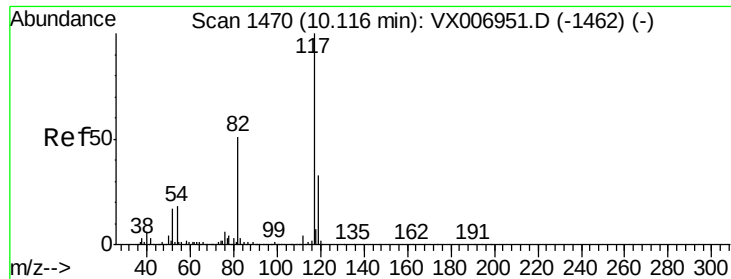


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





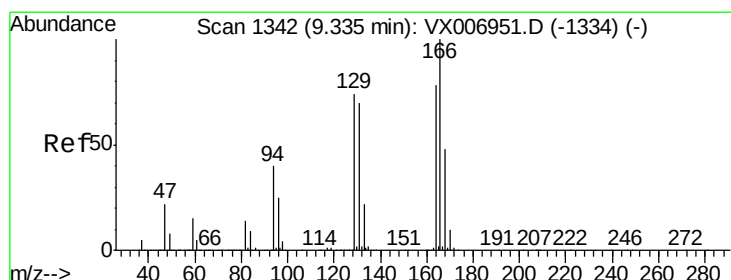
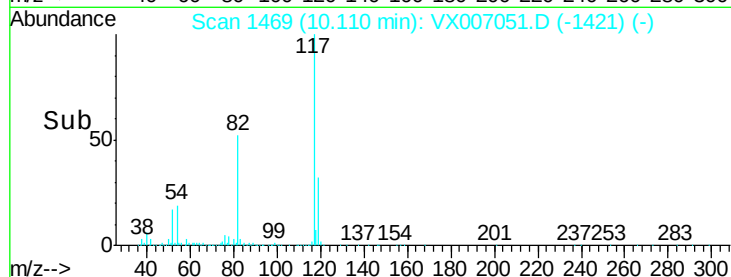
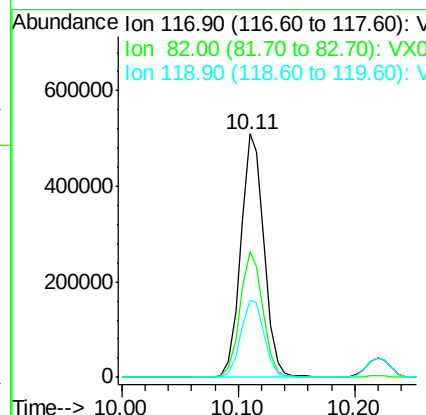
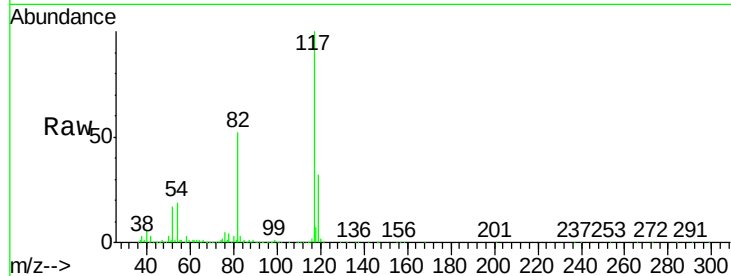
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.0	61.6
119	31.6	25.4	38.0

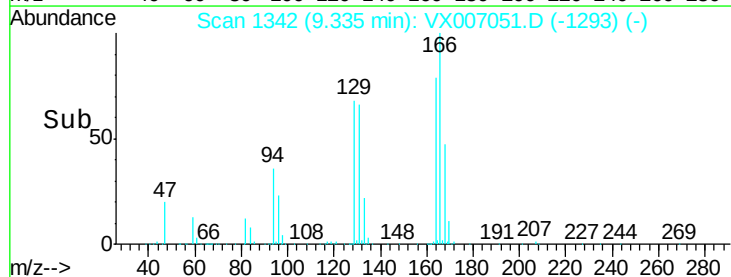
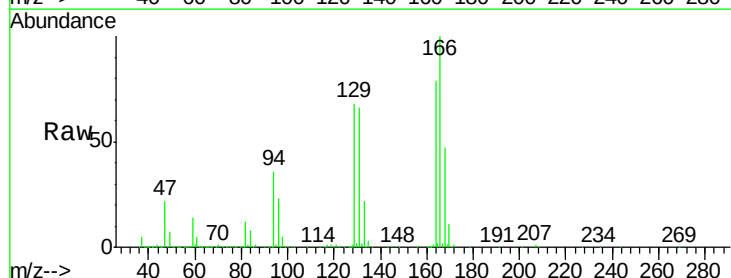
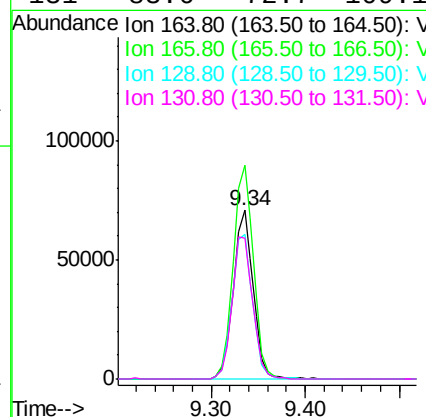
Manual Integrations
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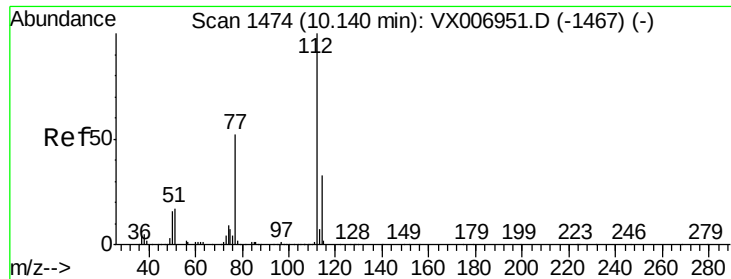
MMDadoda
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#64
Tetrachloroethene
Concen: 16.968 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.5	153.7
129	85.9	75.1	112.7
131	83.6	72.7	109.1





#65

Chlorobenzene

Concen: 16.841 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion:112 Resp: 259156

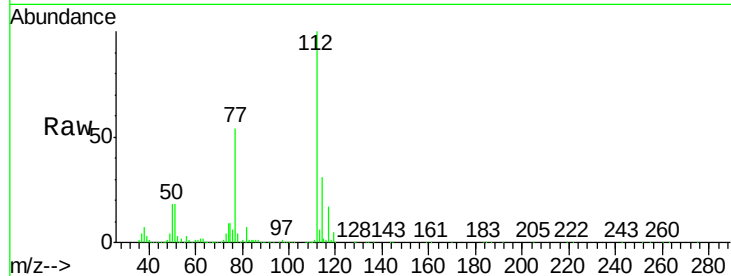
Ion Ratio Lower Upper

112 100

114 30.6 25.7 38.5

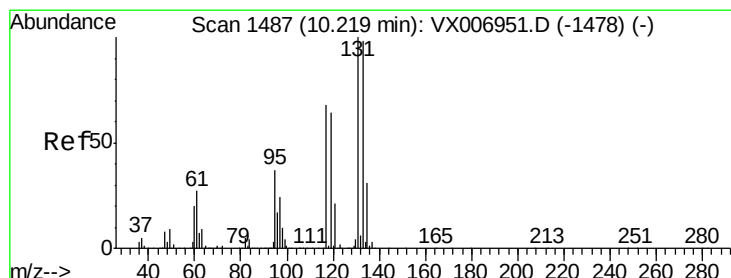
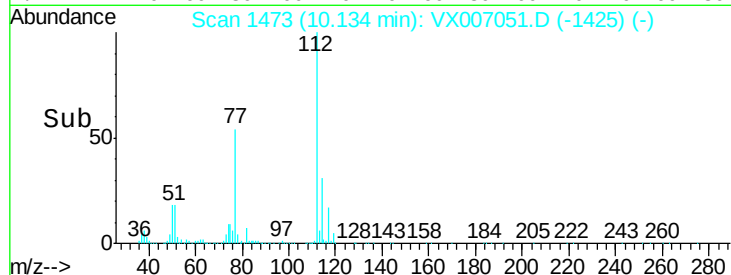
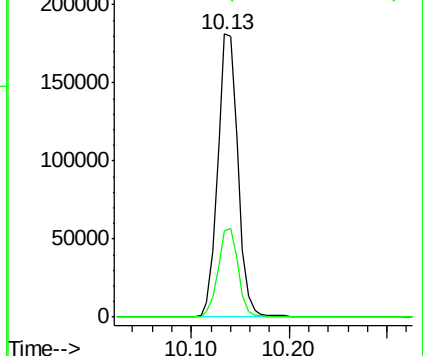
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 16.682 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

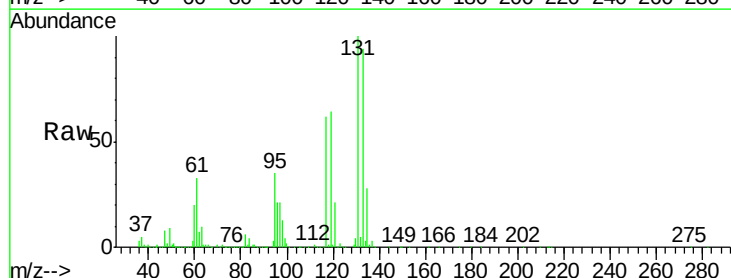
Tgt Ion:131 Resp: 86360

Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.2

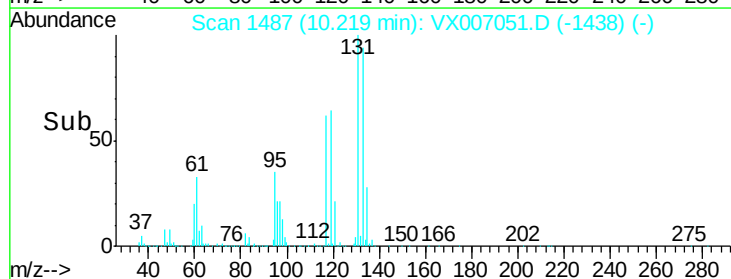
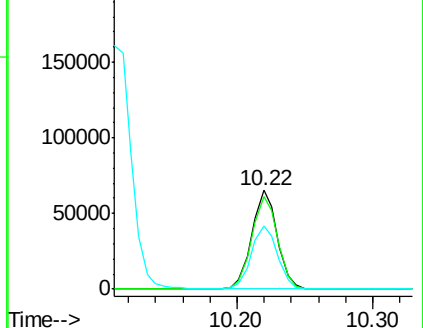
119 65.3 32.6 97.8

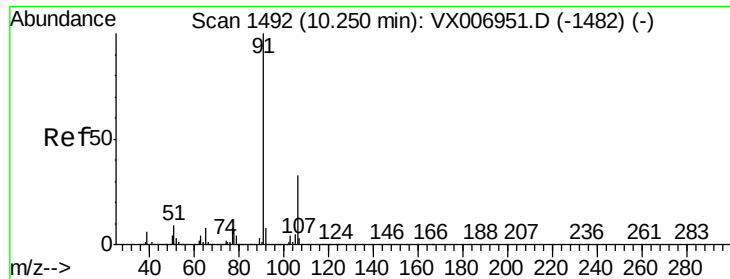


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 16.369 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampled :

VX0115WBS01

Tot Ion: 91 Resp: 415859

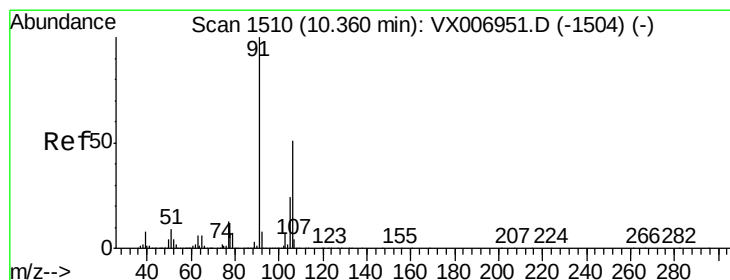
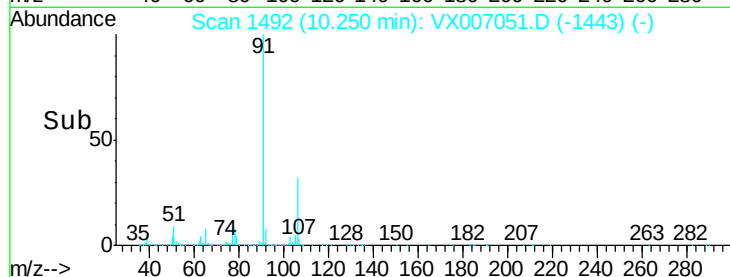
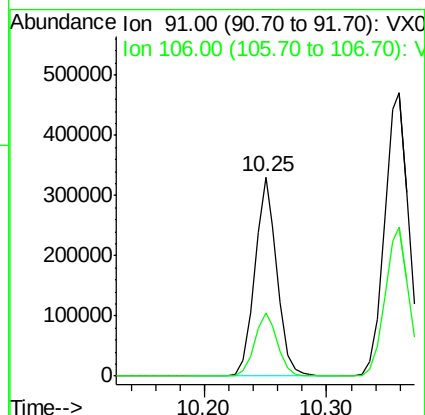
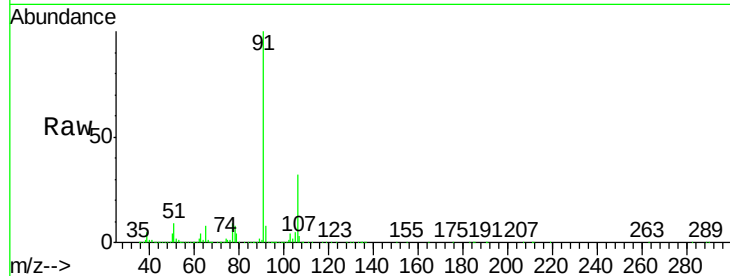
Ion Ratio Lower Upper

91 100

106 31.9 26.4 39.6

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#68

m/p-Xylenes

Concen: 33.464 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007051.D

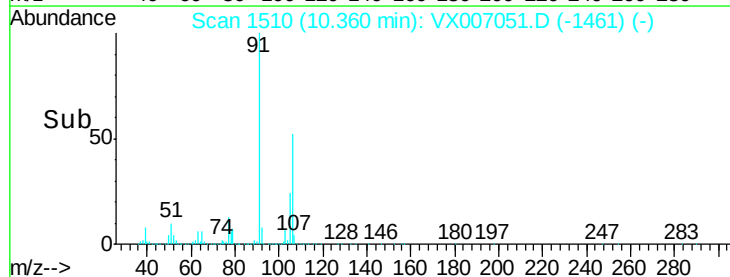
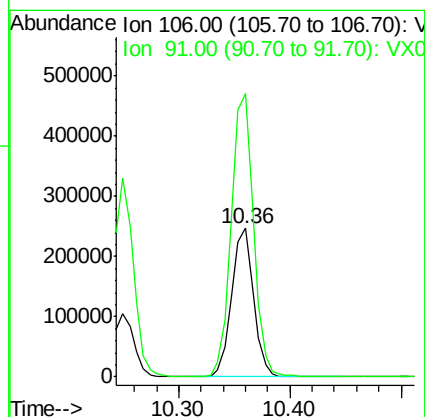
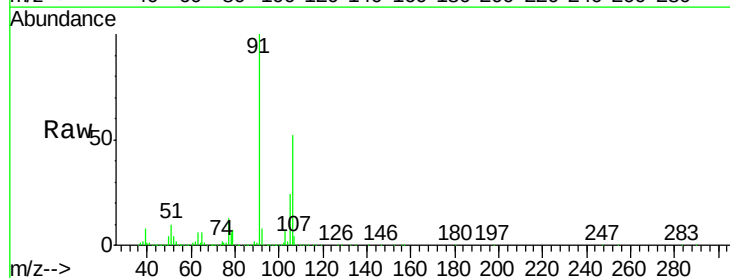
Acq: 15 Jan 2019 12:00

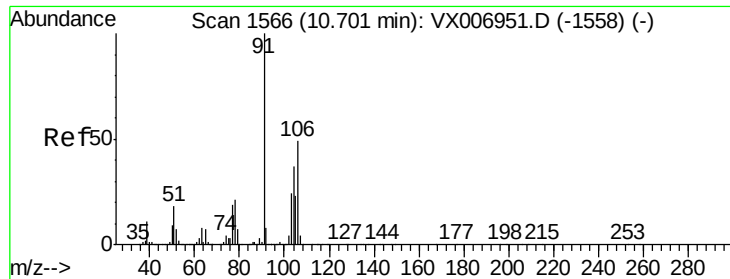
Tgt Ion: 106 Resp: 334948

Ion Ratio Lower Upper

106 100

91 195.1 155.8 233.6





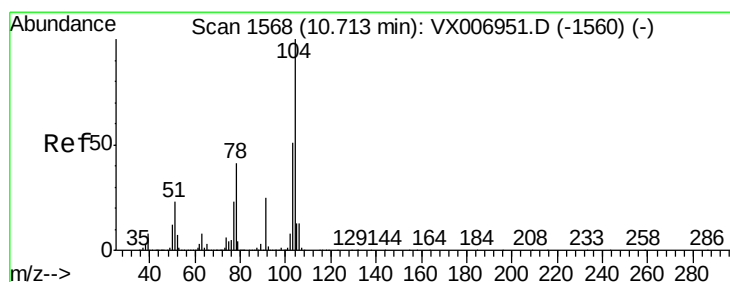
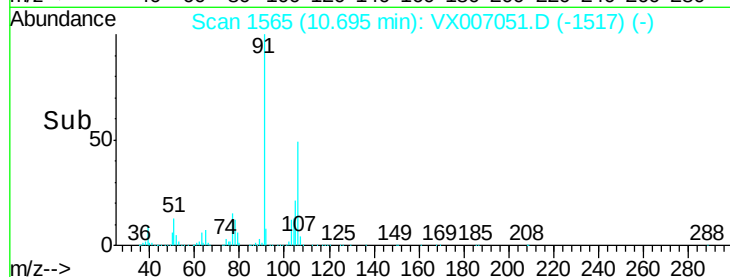
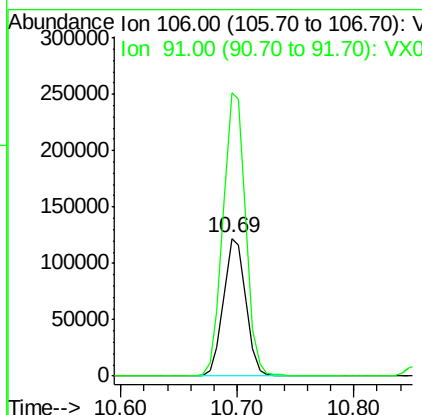
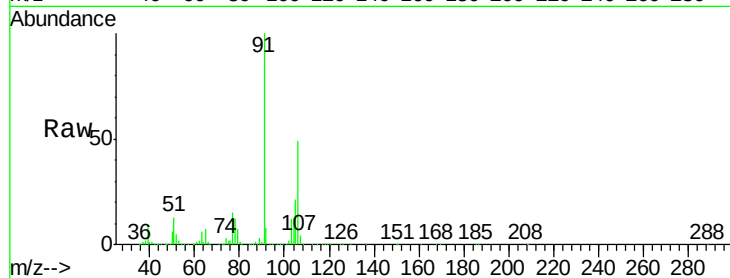
#69
o-Xylene
Concen: 16.568 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.4	101.3	303.7

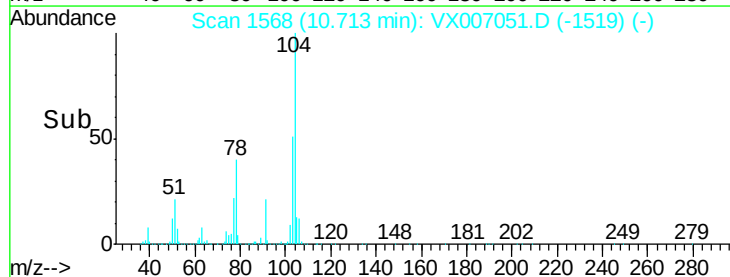
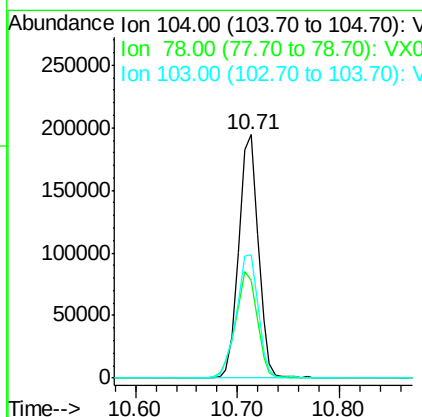
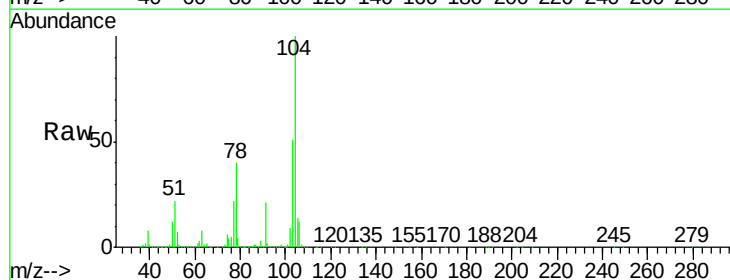
Manual Integrations
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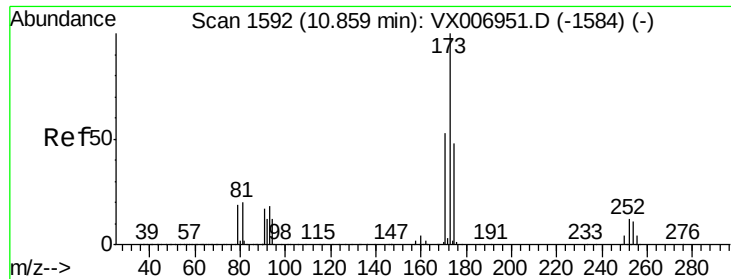
MMDadoda
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#70
Styrene
Concen: 16.610 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	37.7	56.5
103	57.2	43.8	65.8





#71

Bromoform

Concen: 16.335 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

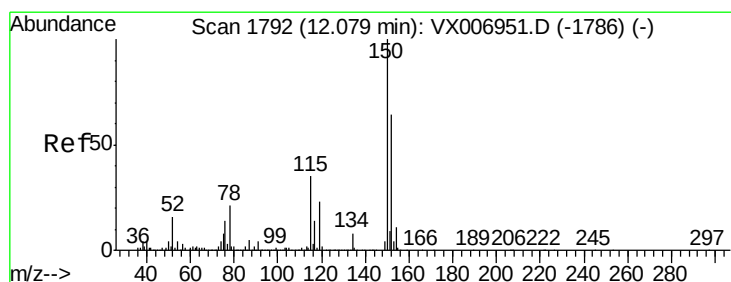
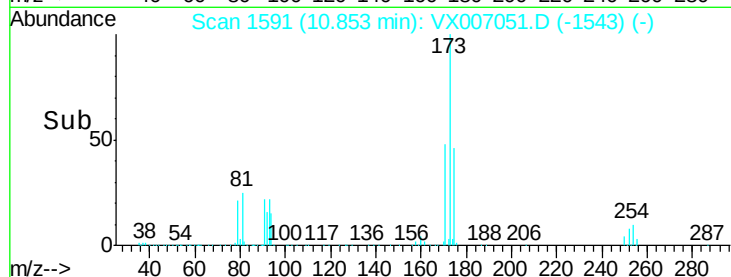
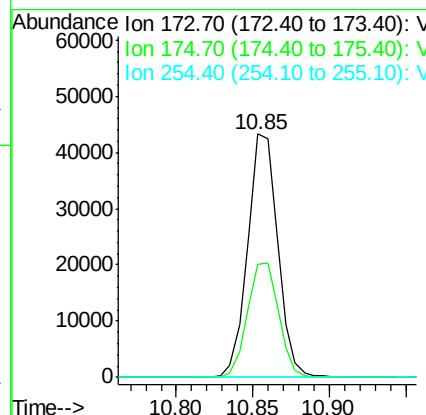
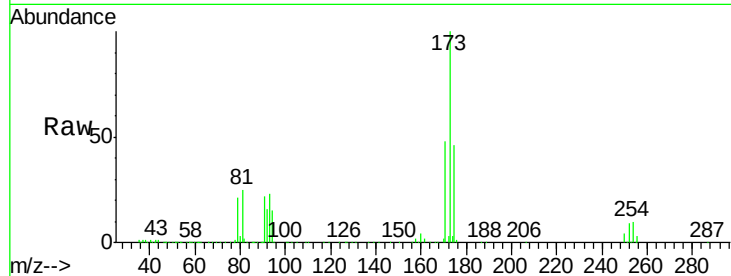
ClientSampleId :

VX0115WBS01

Tot Ion:	173	Resp:	59374
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

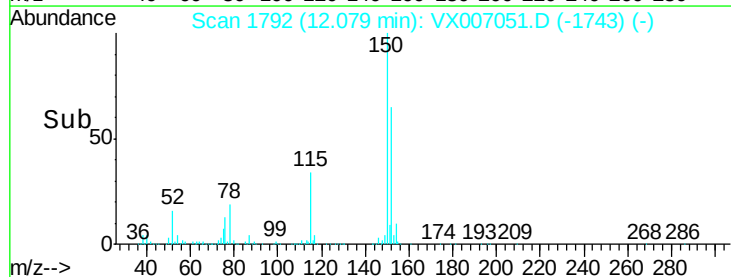
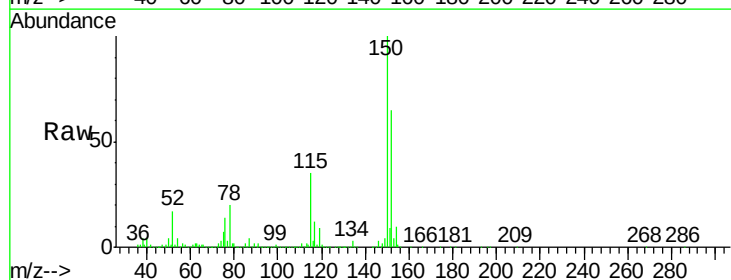
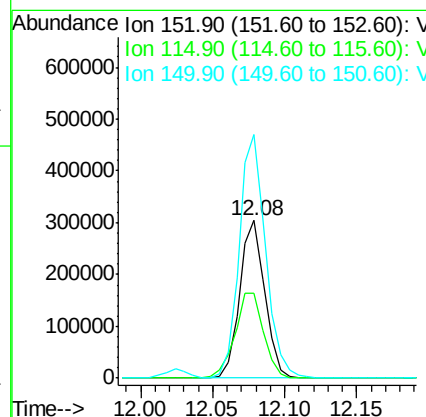
RT: 12.08 min Scan# 1792

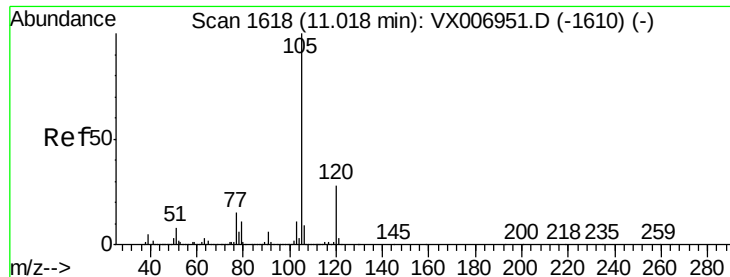
Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tgt Ion:	152	Resp:	369233
Ion	Ratio	Lower	Upper
152	100		
115	62.1	39.1	117.2
150	162.5	0.0	344.8





#73

Isopropylbenzene

Concen: 16.828 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion: 105 Resp: 438138

Ion Ratio Lower Upper

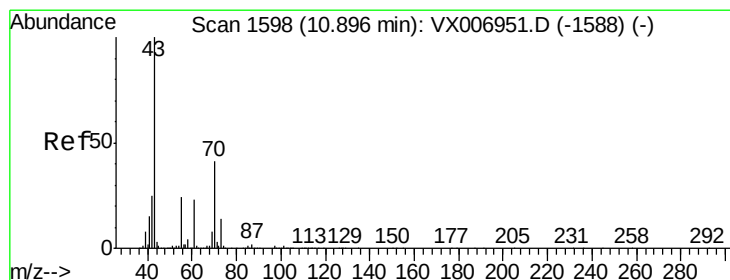
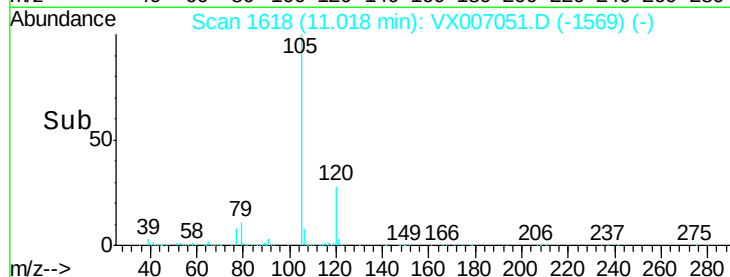
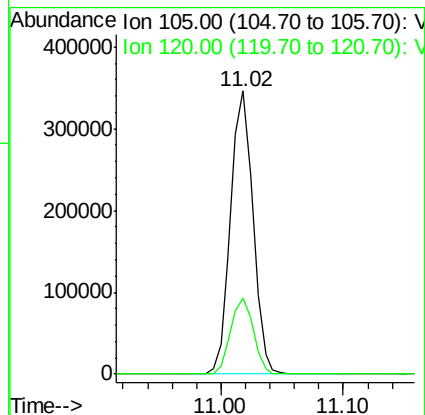
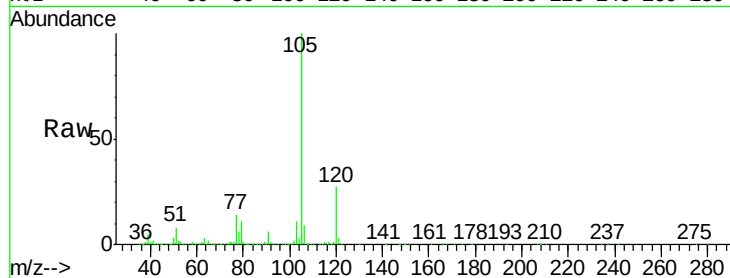
105 100

120 27.3 14.1 42.4

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#74

N-ethyl acetate

Concen: 15.388 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tgt Ion: 43 Resp: 161307

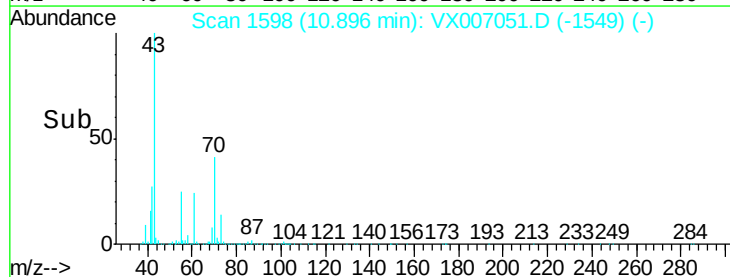
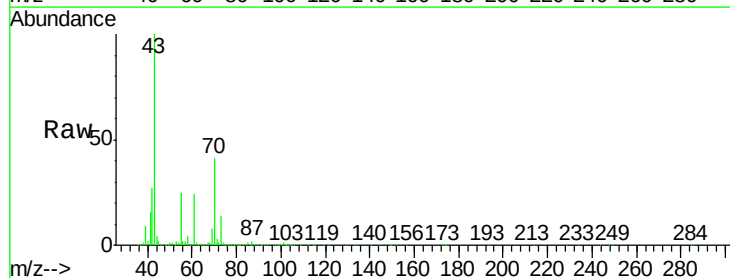
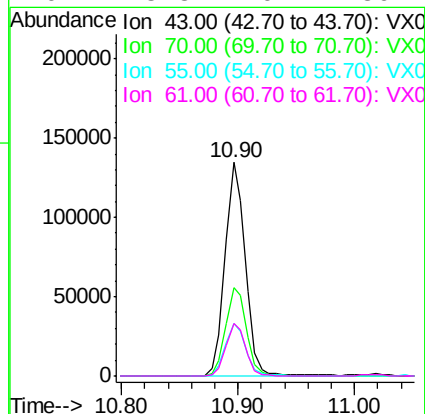
Ion Ratio Lower Upper

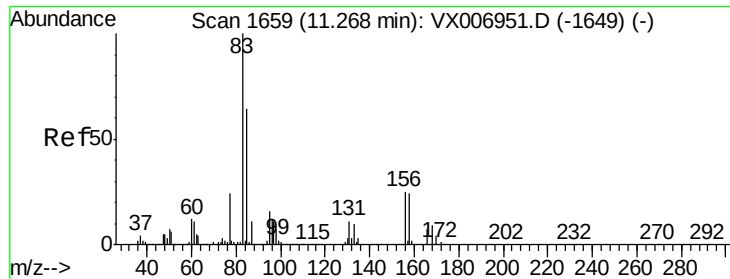
43 100

70 42.8 35.8 53.8

55 25.5 19.4 29.0

61 23.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 16.139 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

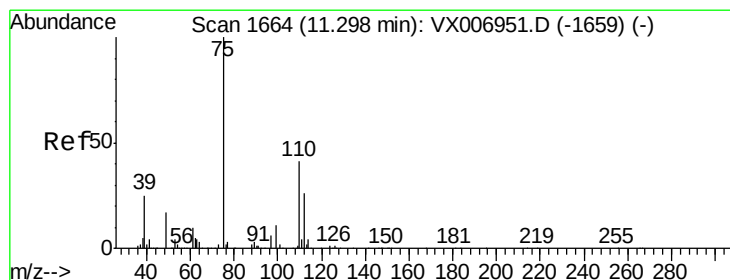
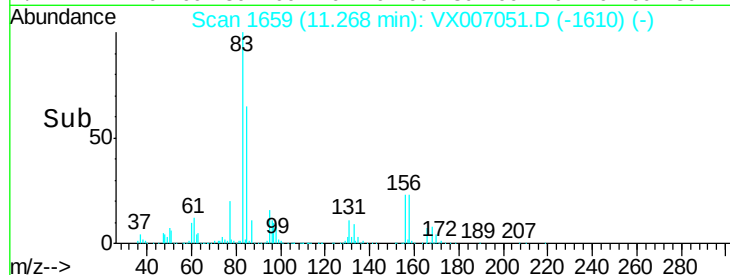
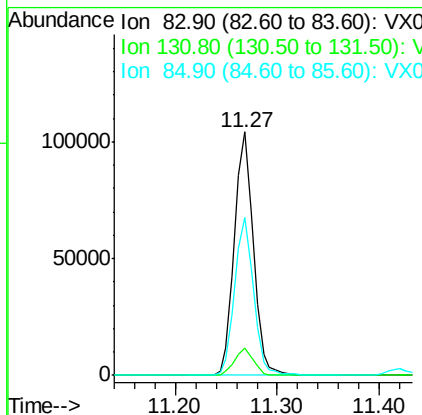
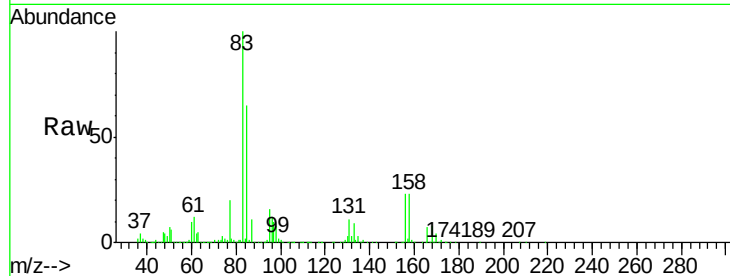
ClientSampled :

VX0115WBS01

Tot Ion:	83	Resp:	133399
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.1
85	64.3	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 16.442 ug/l m

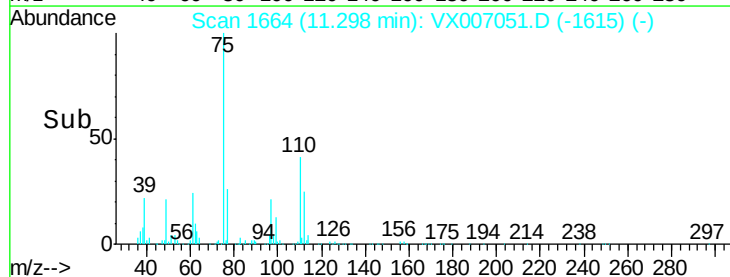
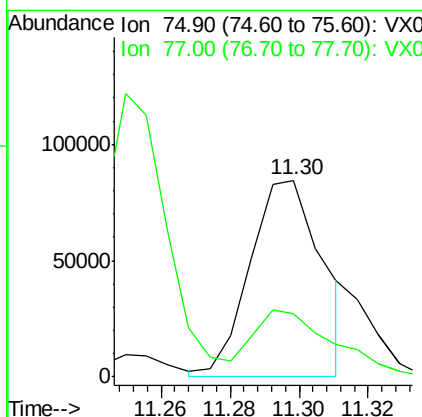
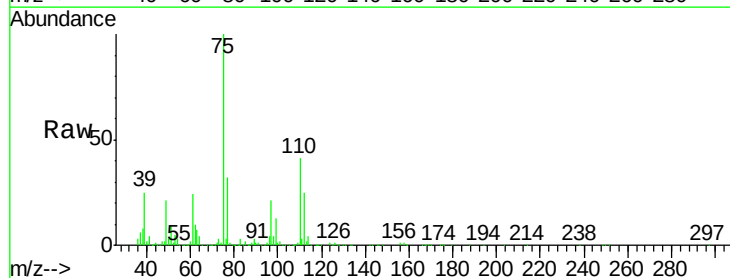
RT: 11.30 min Scan# 1664

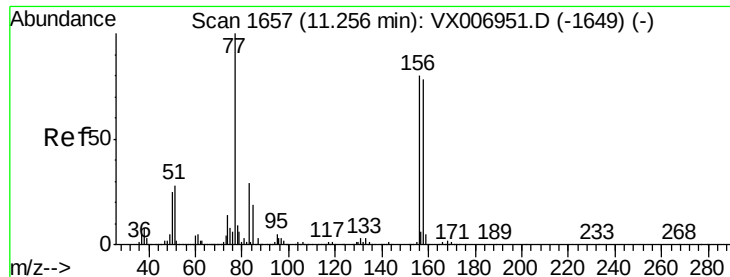
Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tgt Ion:	75	Resp:	123023
Ion Ratio	Lower	Upper	
75	100		
77	37.5	18.5	55.5





#77

Bromobenzene

Concen: 16.433 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion:156 Resp: 117889

Ion Ratio Lower Upper

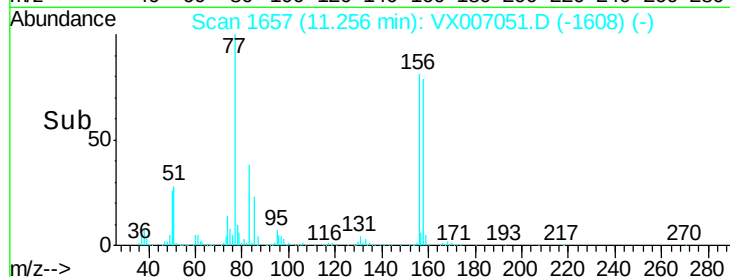
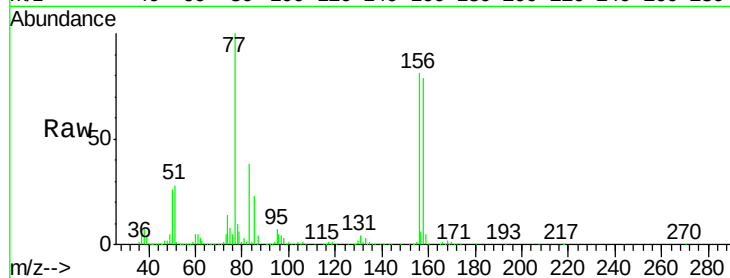
156 100

77 134.1 68.0 204.0

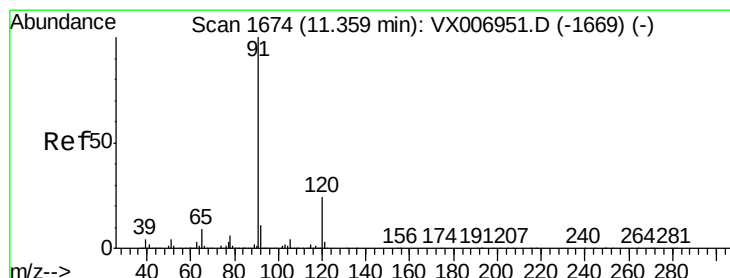
158 97.8 48.3 144.8

Manual Integrations
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1/16/2019 9:19:49 AM



Time-->



#78

n-propylbenzene

Concen: 17.098 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007051.D

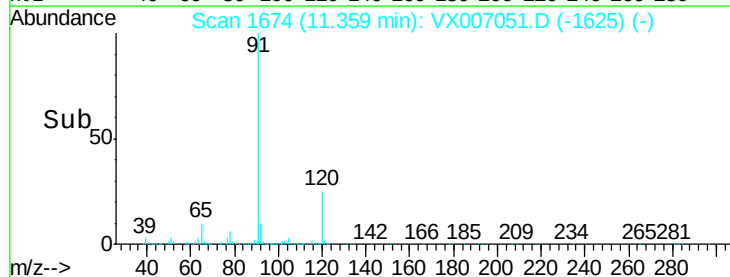
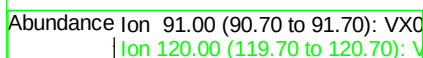
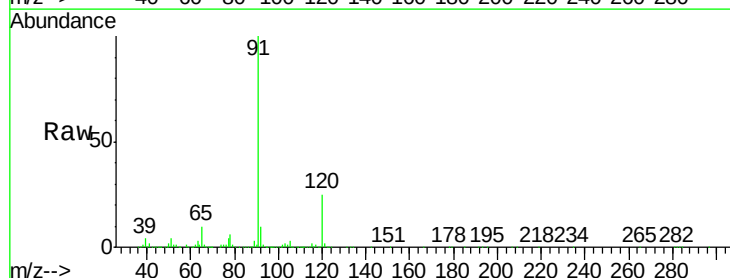
Acq: 15 Jan 2019 12:00

Tgt Ion: 91 Resp: 488686

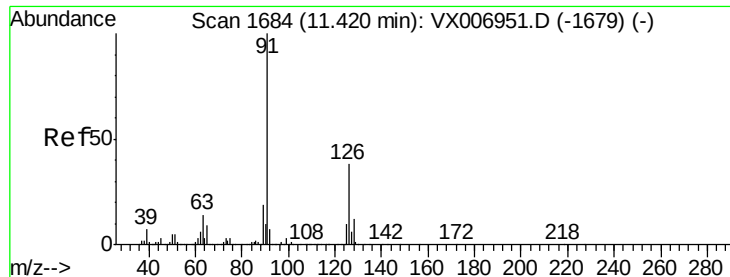
Ion Ratio Lower Upper

91 100

120 25.3 12.7 38.0



Time-->



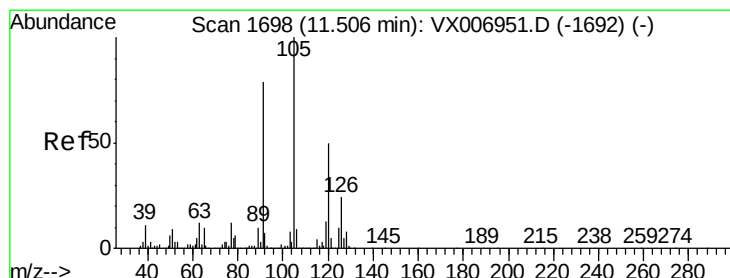
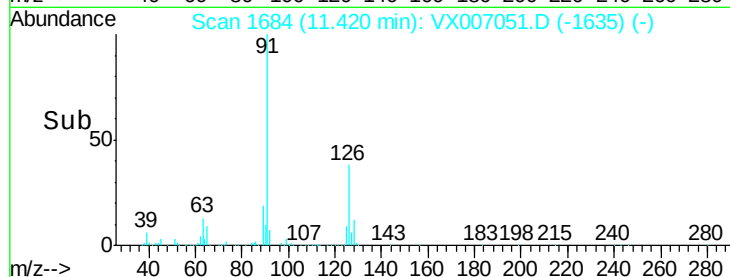
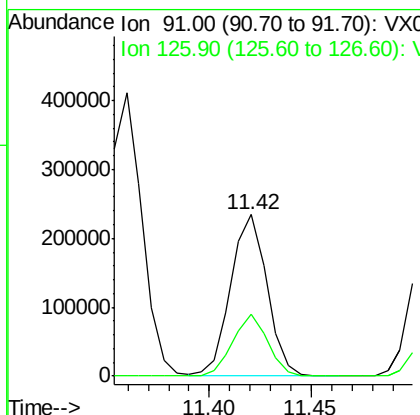
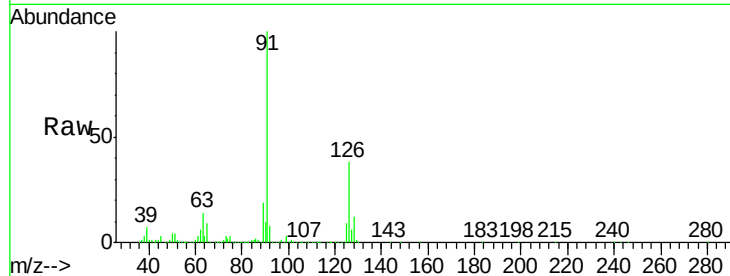
#79
 2-Chlorotoluene
 Concen: 16.655 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007051.D
 Acq: 15 Jan 2019 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBS01

Tot Ion: 91 Resp: 286548
 Ion Ratio Lower Upper
 91 100
 126 37.6 18.6 56.0

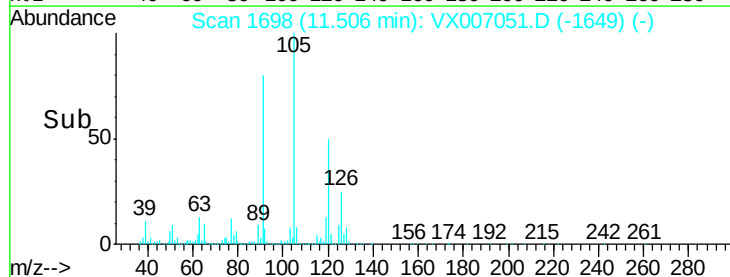
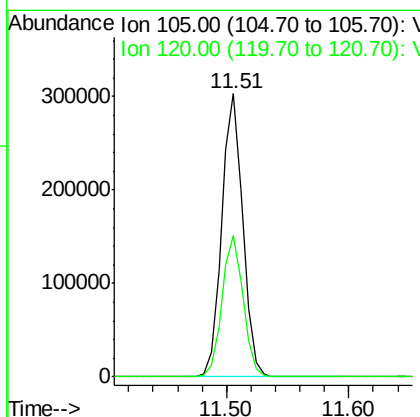
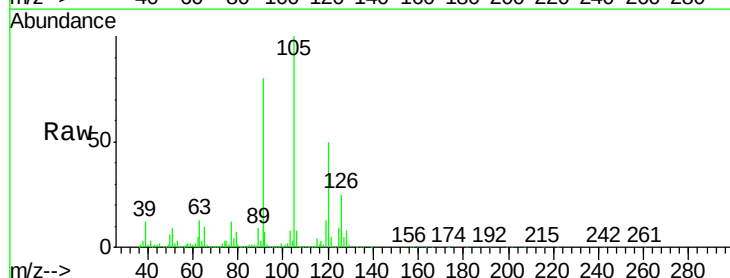
Manual Integrations
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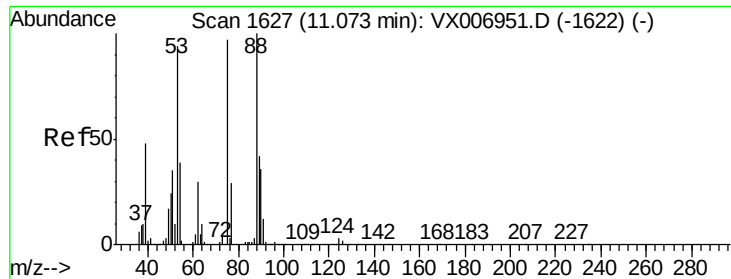
MMDadoda
 1/16/2019 9:19:49 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 16.553 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007051.D
 Acq: 15 Jan 2019 12:00

Tgt Ion: 105 Resp: 360119
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.1 75.3





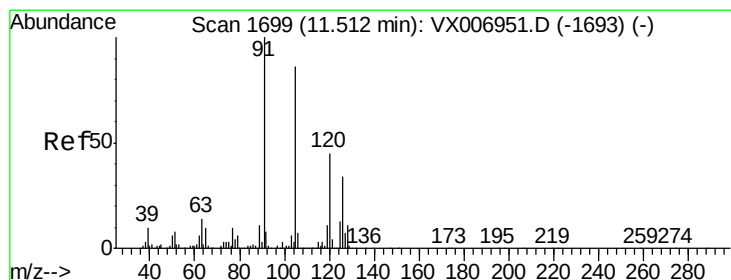
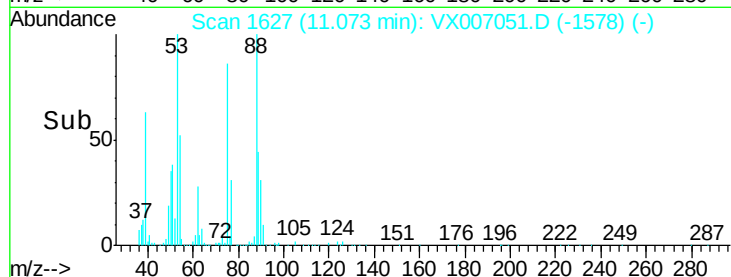
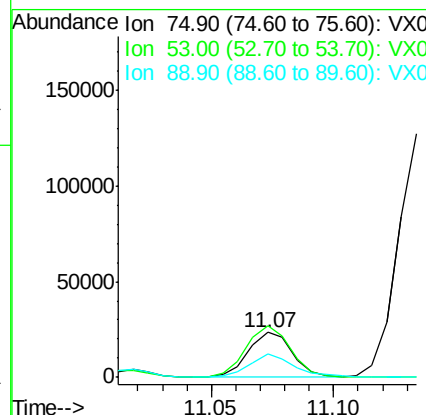
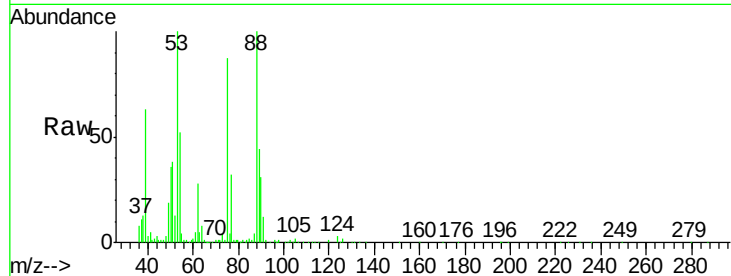
#81
trans-1,4-Dichloro-2-butene
Concen: 14.558 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.1	79.7	119.5
89	55.5	38.0	57.0

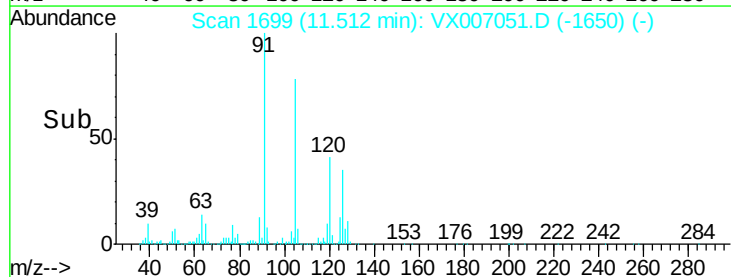
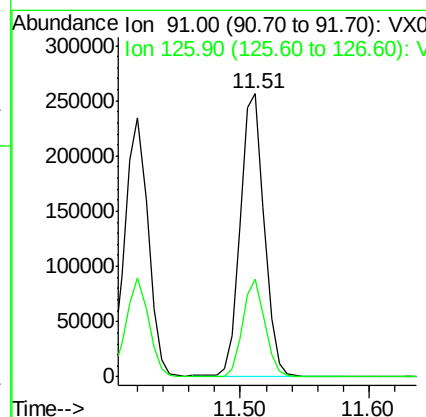
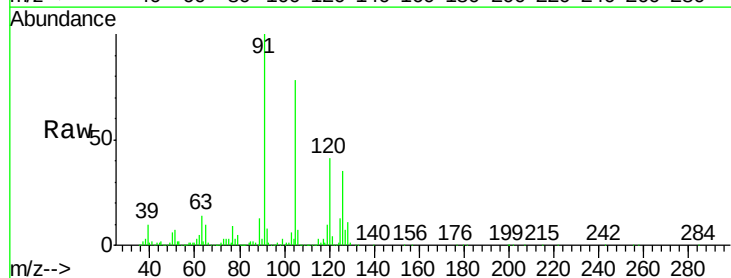
Manual Integrations
APPROVED

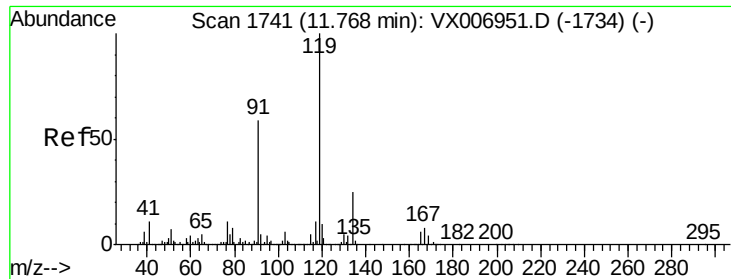
MMDadoda
1/16/2019 9:19:49 AM



#82
4-Chlorotoluene
Concen: 16.569 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.3	48.9





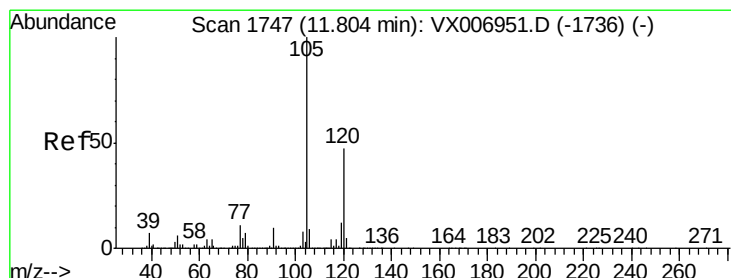
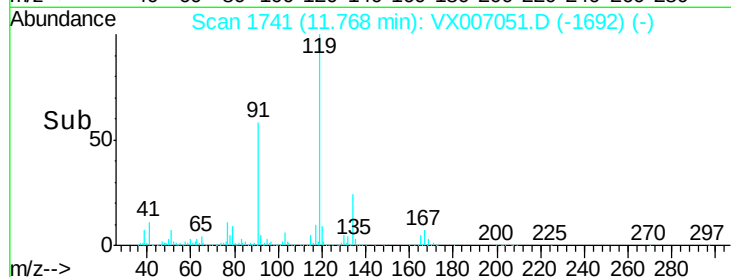
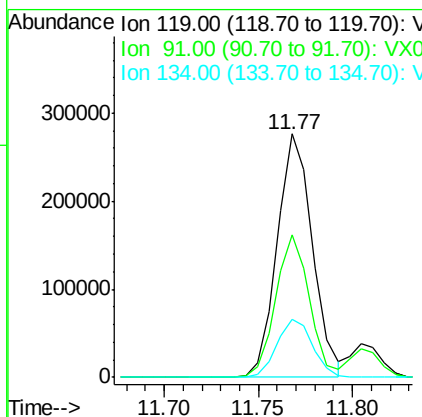
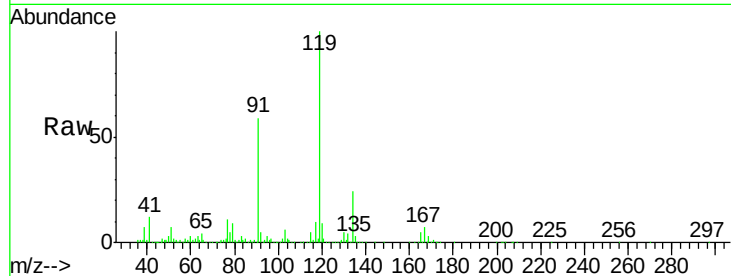
#83
 tert-Butylbenzene
 Concen: 16.526 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007051.D
 Acq: 15 Jan 2019 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	358707		
91	55.9	27.7	83.1	
134	24.2	11.9	35.5	

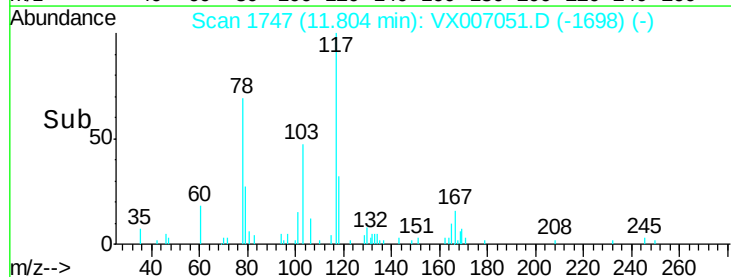
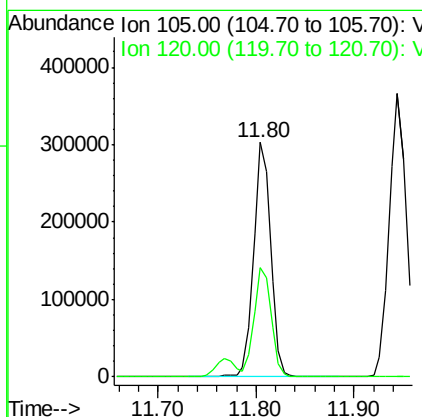
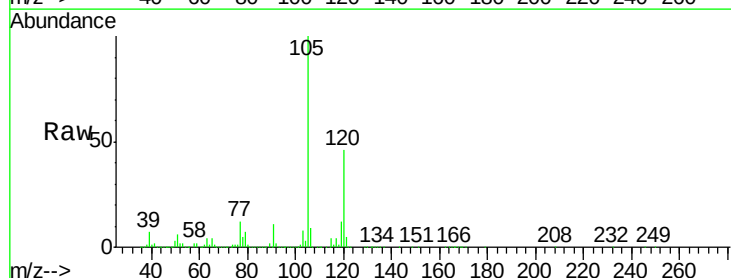
Manual Integrations
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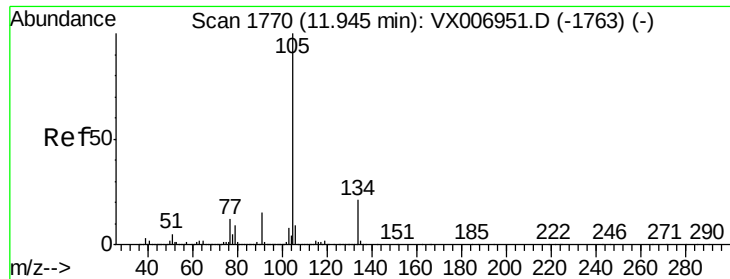
MMDadoda
 1/16/2019 9:19:49 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 16.762 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007051.D
 Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	366707		
120	46.6	23.2	69.6	





#85

sec-Butylbenzene

Concen: 17.073 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS01

Tot Ion:105 Resp: 442565

Ion Ratio Lower Upper

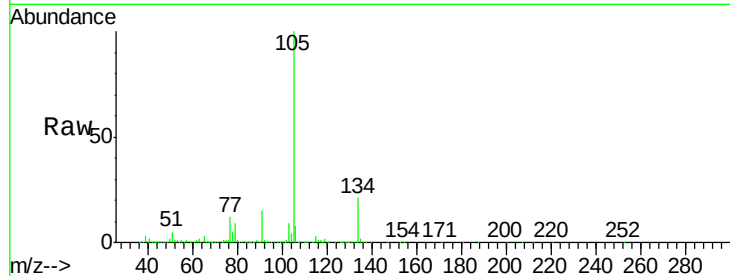
105 100

134 22.0 10.7 31.9

Manual Integrations
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MMDadoda

1/16/2019 9:19:49 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

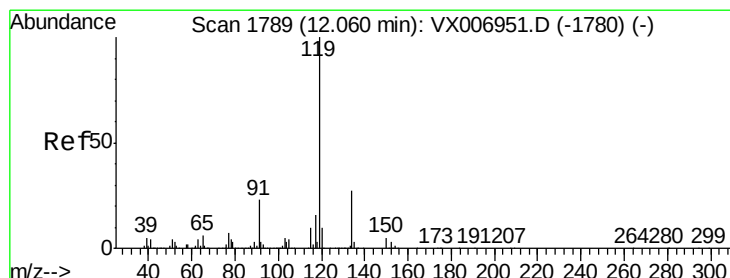
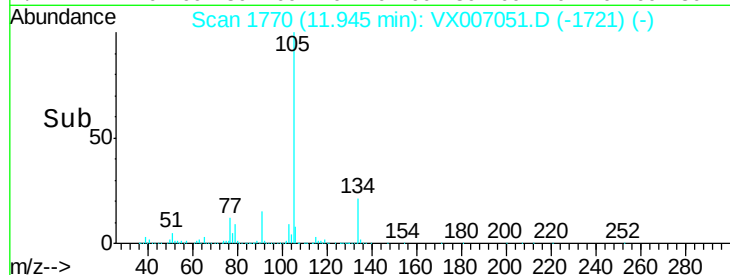
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 16.980 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

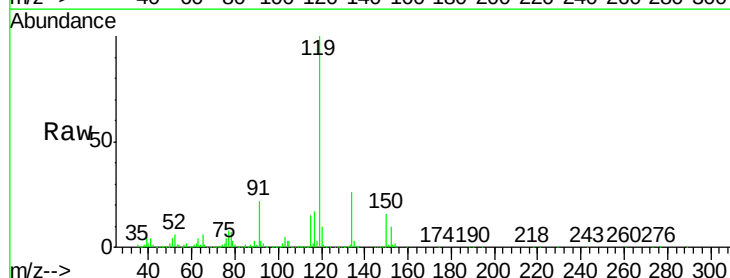
Tgt Ion:119 Resp: 393725

Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

91 22.9 11.3 33.9



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): VX0

12.06

400000

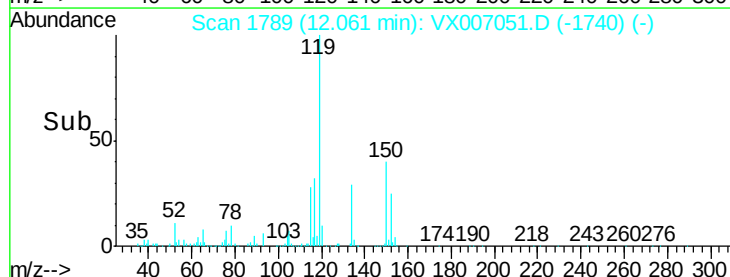
300000

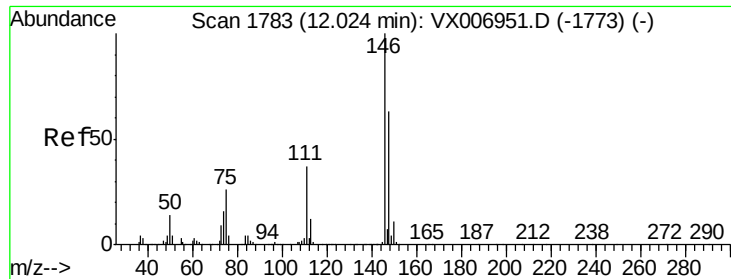
200000

100000

0

Time-->





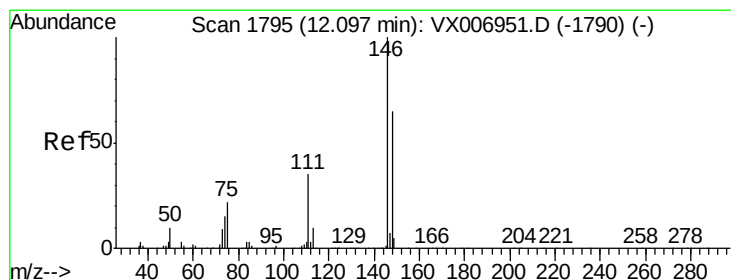
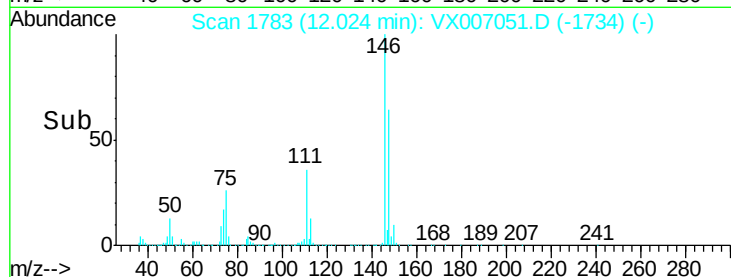
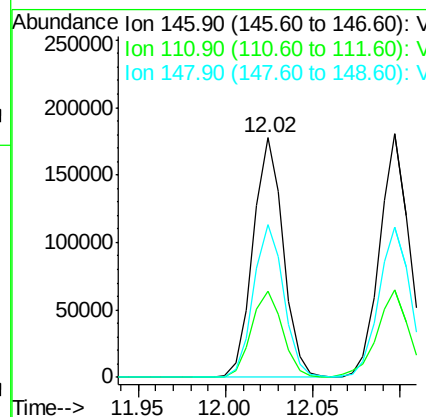
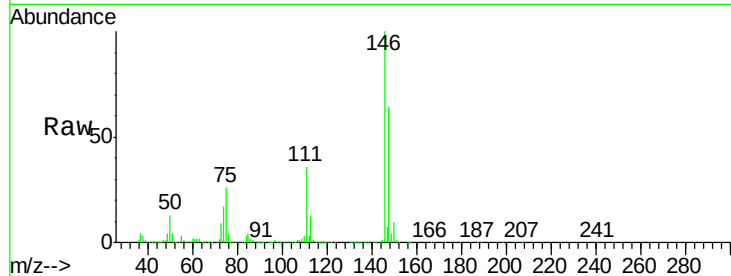
#87
 1,3-Dichlorobenzene
 Concen: 16.415 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007051.D
 Acq: 15 Jan 2019 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	63.9	31.8	95.3

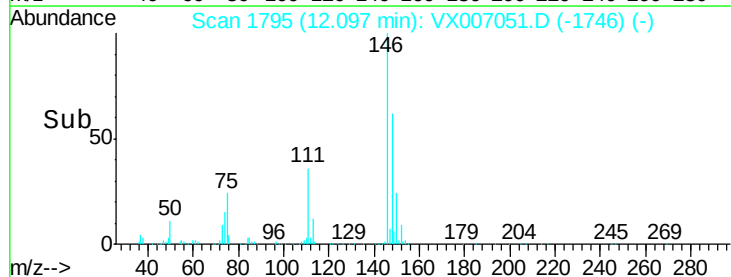
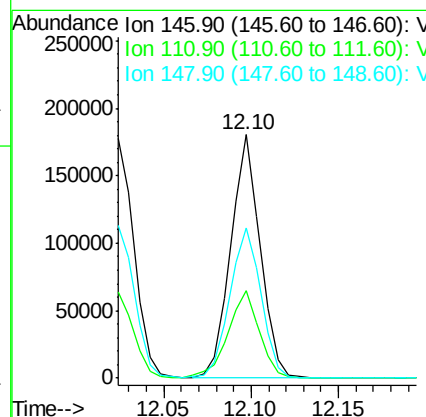
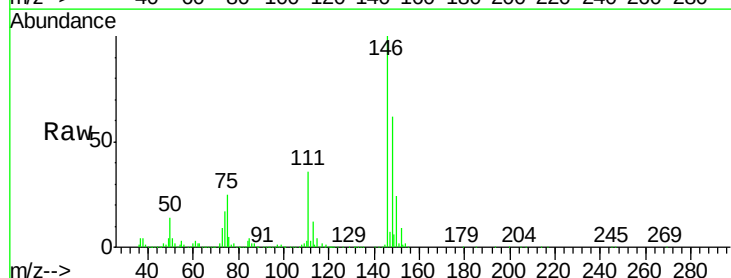
Manual Integrations
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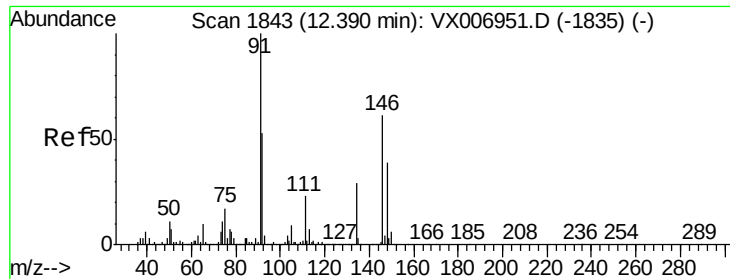
MMDadoda
 1/16/2019 9:19:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.312 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007051.D
 Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.1
148	65.8	31.9	95.9





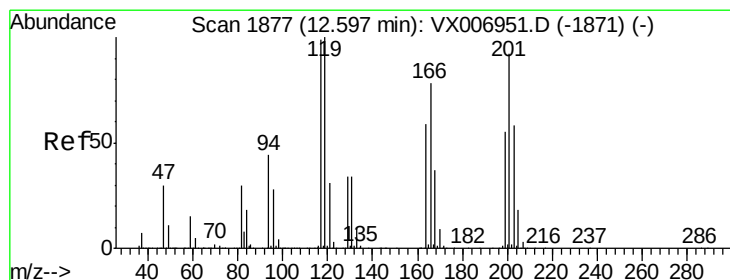
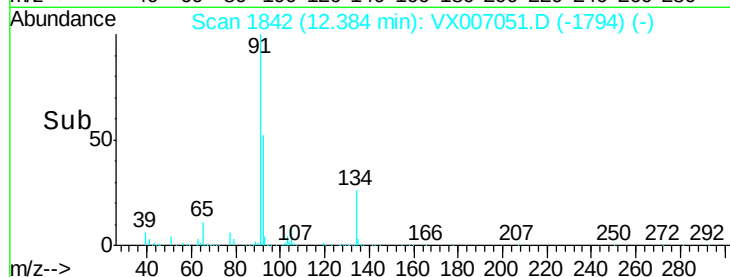
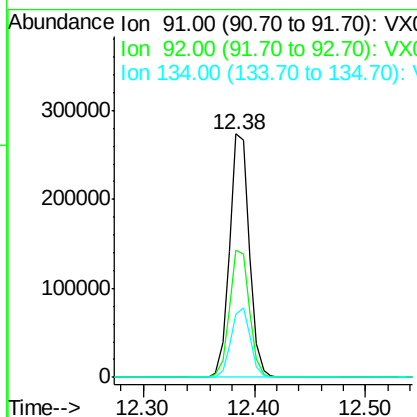
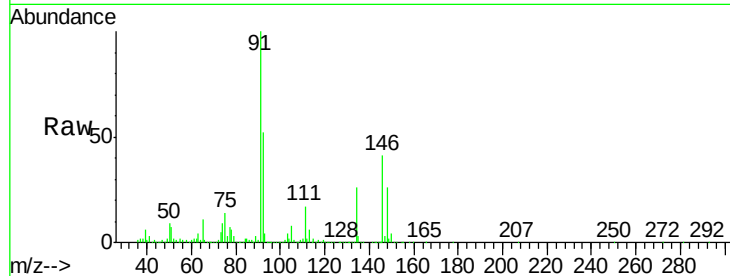
#89
n-Butylbenzene
Concen: 16.881 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	26.8	80.4	
134	28.1	14.4	43.2	

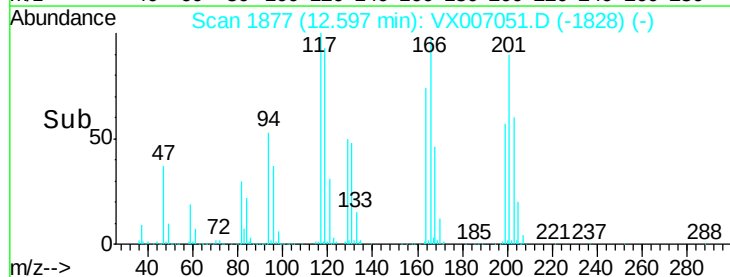
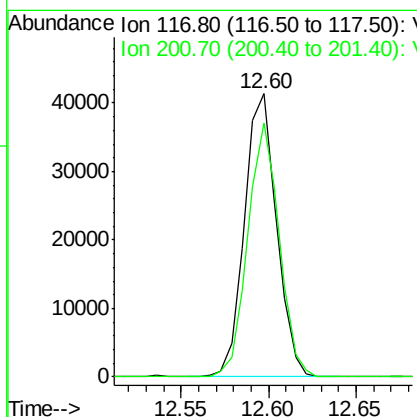
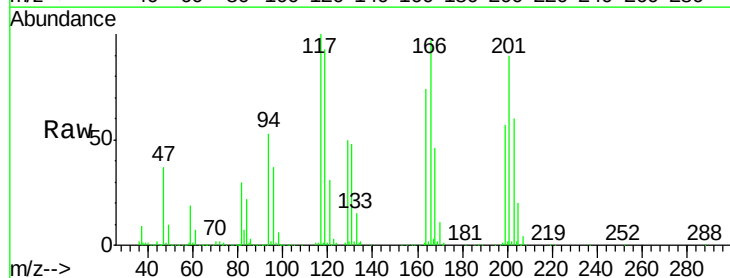
Manual Integrations
APPROVED

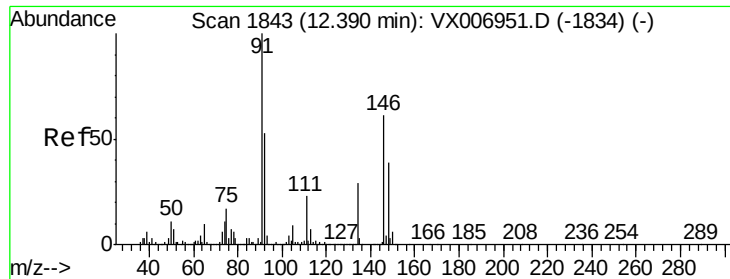
MMDadoda
1/16/2019 9:19:49 AM



#90
Hexachloroethane
Concen: 16.335 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.9	42.9	128.7	





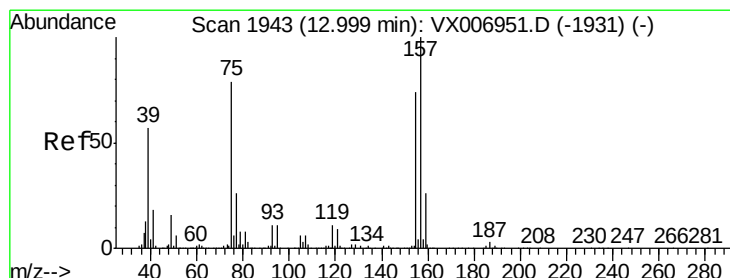
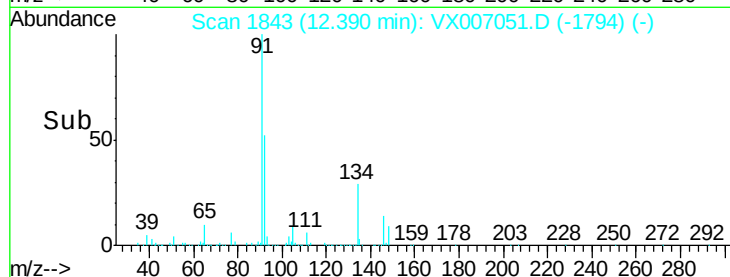
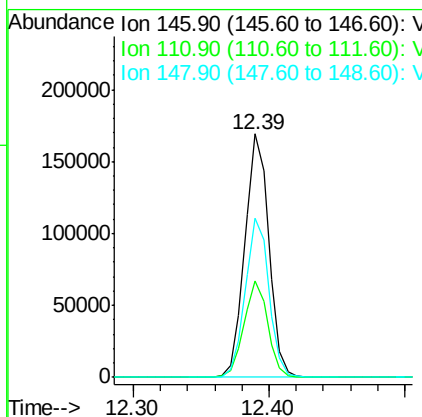
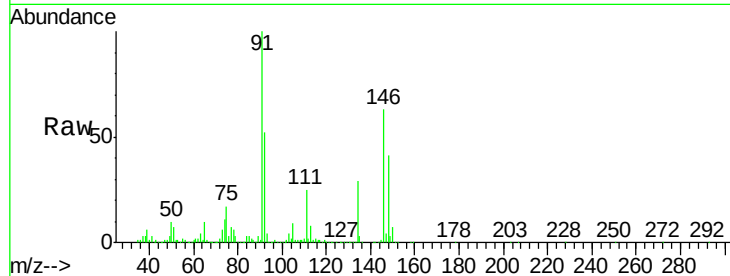
#91
 1,2-Dichlorobenzene
 Concen: 16.336 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007051.D
 Acq: 15 Jan 2019 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	209040		
111	39.4	19.4	58.2	
148	64.5	32.3	96.9	

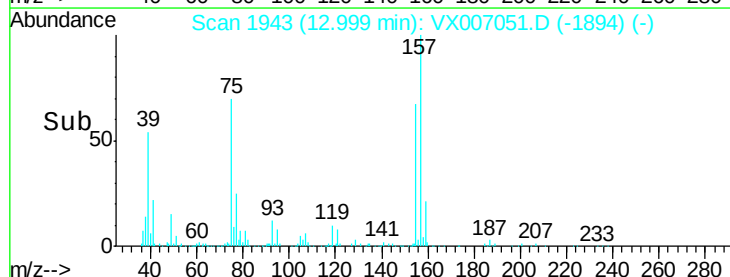
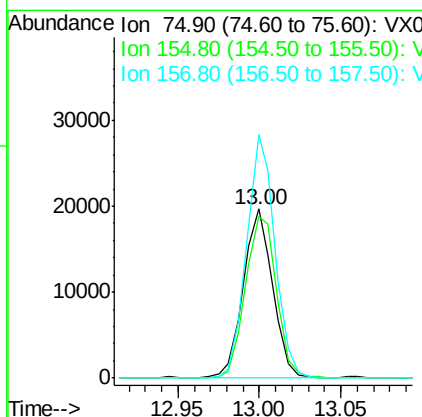
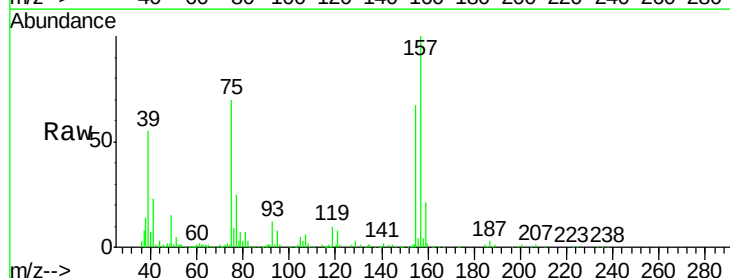
Manual Integrations
 APPROVED

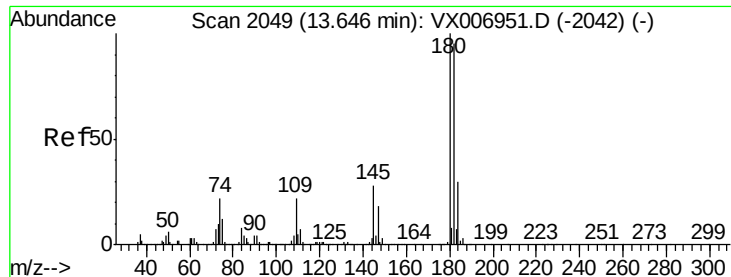
MMDadoda
 1/16/2019 9:19:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.167 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007051.D
 Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24794		
155	100.9	50.6	151.8	
157	138.8	64.6	193.8	





#93

1,2,4-Trichlorobenzene

Concen: 16.399 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Instrument :

MSVOA_X

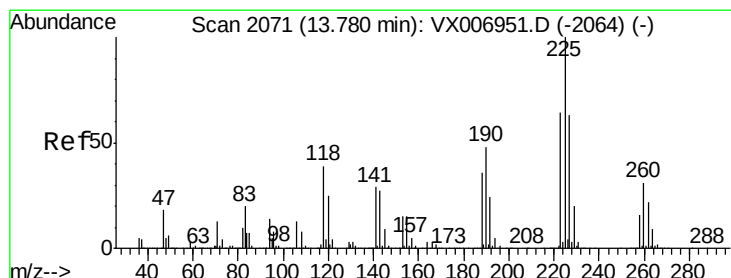
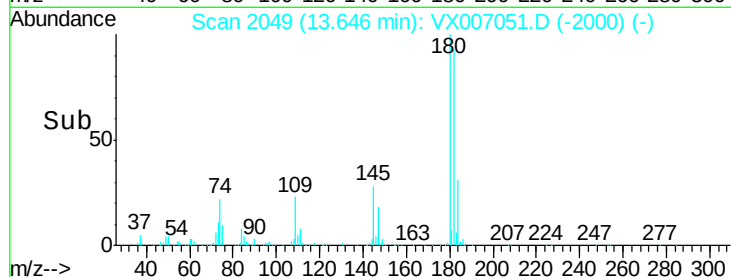
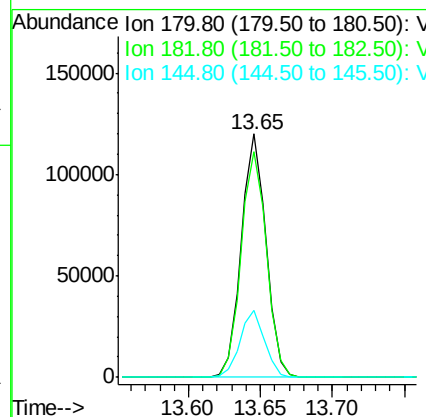
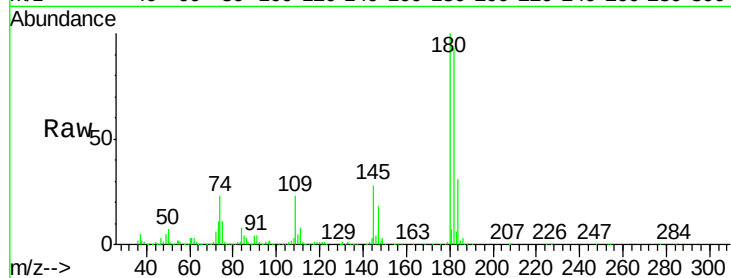
ClientSampleId :

VX0115WBS01

Tot Ion:	180	Resp:	143968
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.3	142.0
145	27.7	14.8	44.3

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 17.434 ug/l

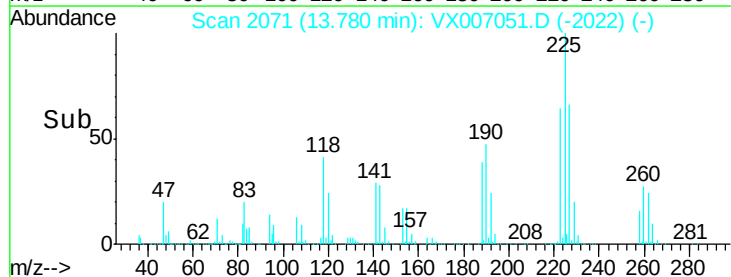
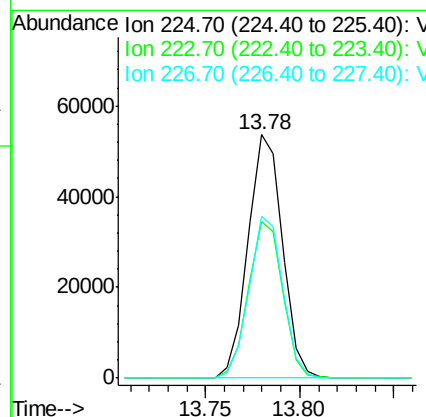
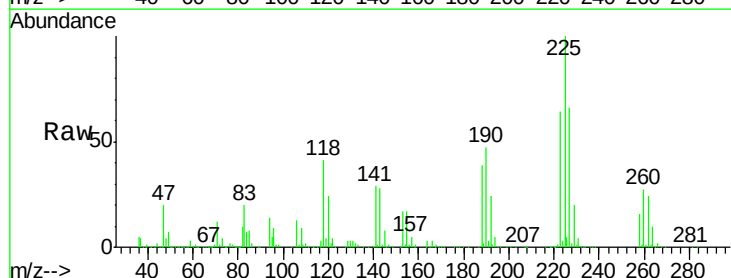
RT: 13.78 min Scan# 2071

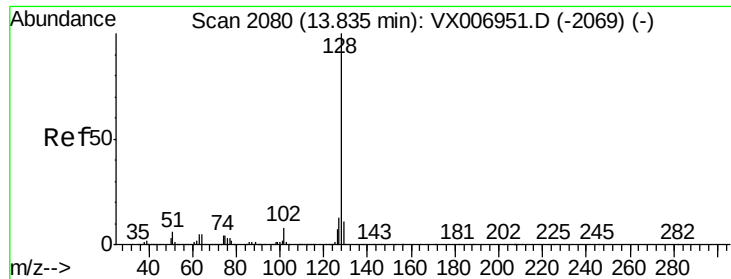
Delta R.T. 0.00 min

Lab File: VX007051.D

Acq: 15 Jan 2019 12:00

Tgt Ion:	225	Resp:	67919
Ion Ratio	Lower	Upper	
225	100		
223	64.0	32.1	96.3
227	65.6	32.3	96.8





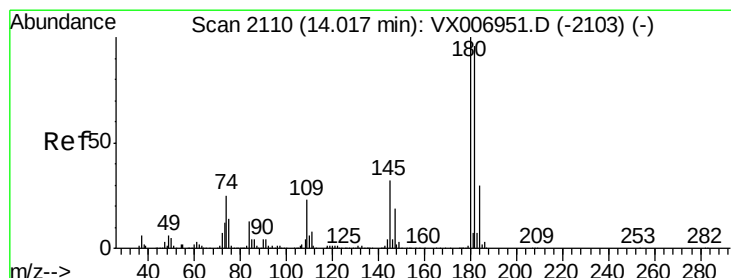
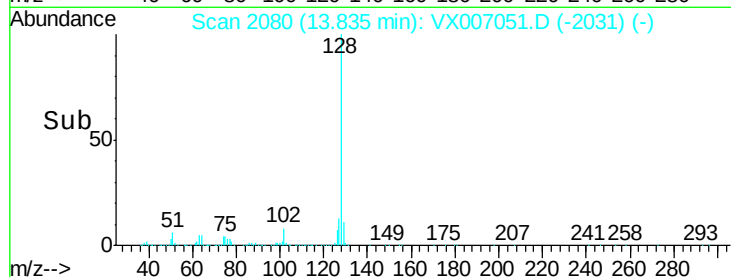
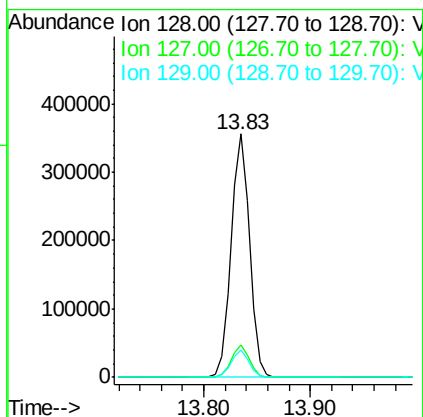
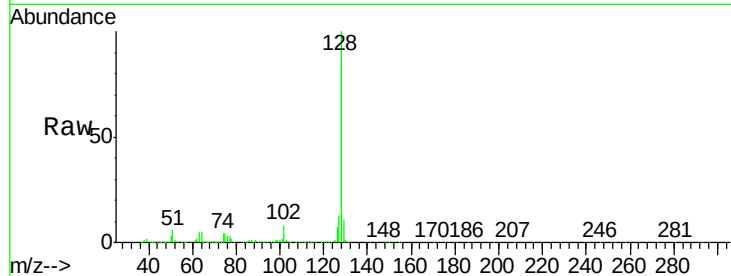
#95
Naphthalene
Concen: 16.352 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.677 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007051.D
Acq: 15 Jan 2019 12:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	48.5	145.5
145	30.4	16.0	47.9

