

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060819\
 Data File : VX010139.D
 Acq On : 08 Jun 2019 15:33
 Operator : JC/SP
 Sample : VX0608WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 9:40:25 AM

Quant Time: Jun 10 08:22:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	298312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	450007	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	401814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209688	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	139552	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	5.50	113	138100	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	8.71	98	534064	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.13	95	195659	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	58566	21.336	ug/l	97
3) Chloromethane	1.33	50	55186	20.244	ug/l	98
4) Vinyl Chloride	1.41	62	53612	20.925	ug/l	100
5) Bromomethane	1.64	94	25769	26.654	ug/l	95
6) Chloroethane	1.72	64	30639	23.719	ug/l	99
7) Trichlorofluoromethane	1.93	101	82354	21.639	ug/l	97
8) Diethyl Ether	2.19	74	28777	21.939	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47762	18.206	ug/l	93
10) Methyl Iodide	2.51	142	79665	19.600	ug/l	95
11) Tert butyl alcohol	3.04	59	77907	109.216	ug/l	97
12) 1,1-Dichloroethene	2.37	96	46339	17.294	ug/l	82
13) Acrolein	2.29	56	12947	99.540	ug/l	94
14) Allyl chloride	2.73	41	76511	18.917	ug/l #	89
15) Acrylonitrile	3.14	53	144557	99.146	ug/l	98
16) Acetone	2.44	43	136861	99.930	ug/l #	88
17) Carbon Disulfide	2.57	76	140636	18.165	ug/l	99
18) Methyl Acetate	2.77	43	57115	18.963	ug/l #	82
19) Methyl tert-butyl Ether	3.20	73	162209	18.843	ug/l	95
20) Methylene Chloride	2.85	84	57286	19.046	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	56169	18.942	ug/l #	79
22) Diisopropyl ether	3.85	45	150608	19.476	ug/l #	93
23) Vinyl Acetate	3.81	43	675433	97.907	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	88817	18.917	ug/l	95
25) 2-Butanone	4.67	43	206232	101.123	ug/l #	79
26) 2,2-Dichloropropane	4.59	77	81509	19.029	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	63856	19.357	ug/l	79
28) Bromochloromethane	5.02	49	39634	18.835	ug/l #	47
29) Tetrahydrofuran	5.13	42	126459	98.667	ug/l #	74
30) Chloroform	5.21	83	94886	19.459	ug/l	99
31) Cyclohexane	5.58	56	84648	19.976	ug/l #	79
32) 1,1,1-Trichloroethane	5.49	97	85581	18.669	ug/l	93
36) 1,1-Dichloropropene	5.80	75	69878	19.033	ug/l	92
37) Ethyl Acetate	4.84	43	74874	19.601	ug/l #	90
38) Carbon Tetrachloride	5.79	117	78836	18.971	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	97380	19.479	ug/l #	84
40) Benzene	6.14	78	220102	19.388	ug/l	99
41) Methacrylonitrile	5.04	41	39689	19.207	ug/l #	84
42) 1,2-Dichloroethane	6.19	62	67930	18.743	ug/l	92
43) Isopropyl Acetate	6.45	43	121316	18.994	ug/l #	89
44) Trichloroethene	7.21	130	67150	19.623	ug/l	85
45) 1,2-Dichloropropane	7.51	63	55380	19.490	ug/l	99
46) Dibromomethane	7.66	93	39810	18.701	ug/l	89
47) Bromodichloromethane	7.90	83	74723	18.785	ug/l #	98
48) Methyl methacrylate	7.77	41	57820	19.357	ug/l #	78
49) 1,4-Dioxane	7.74	88	36003	422.757	ug/l #	79
51) 4-Methyl-2-Pentanone	8.64	43	390329	102.299	ug/l	90
52) Toluene	8.78	92	143946	19.289	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	86030	18.698	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	94861	19.232	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	60779	19.887	ug/l	96
56) Ethyl methacrylate	9.18	69	95658	19.814	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	92986	19.325	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	223443	98.176	ug/l #	85
59) 2-Hexanone	9.49	43	315821	103.814	ug/l	87
60) Dibromochloromethane	9.58	129	69032	19.096	ug/l	99
61) 1,2-Dibromoethane	9.67	107	66204	19.450	ug/l	99
64) Tetrachloroethene	9.34	164	57519	19.274	ug/l	99
65) Chlorobenzene	10.13	112	164442	19.829	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	64091	20.096	ug/l	99
67) Ethyl Benzene	10.25	91	280145	19.843	ug/l	94
68) m/p-Xylenes	10.36	106	218902	40.069	ug/l	91
69) o-Xylene	10.69	106	107641	19.821	ug/l	89
70) Styrene	10.71	104	182991	19.895	ug/l	95
71) Bromoform	10.85	173	57820	19.721	ug/l #	98
73) Isopropylbenzene	11.02	105	283941	19.398	ug/l	96
74) N-amyl acetate	10.90	43	111975	19.352	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	96533	19.266	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	79507m	18.957	ug/l	
77) Bromobenzene	11.25	156	77265	19.195	ug/l	81
78) n-propylbenzene	11.36	91	315550	19.364	ug/l	95
79) 2-Chlorotoluene	11.42	91	186591	19.065	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	238618	19.355	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	36761	19.365	ug/l #	83
82) 4-Chlorotoluene	11.51	91	212481	19.111	ug/l	92
83) tert-Butylbenzene	11.77	119	243903	19.546	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	238772	19.174	ug/l	94
85) sec-Butylbenzene	11.94	105	278690	19.170	ug/l	96
86) p-Isopropyltoluene	12.06	119	258201	19.428	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	136114	19.198	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	135691	18.985	ug/l	99
89) n-Butylbenzene	12.38	91	219698	19.204	ug/l	97
90) Hexachloroethane	12.59	117	49215	18.589	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	136337	19.779	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22092	18.737	ug/l	63

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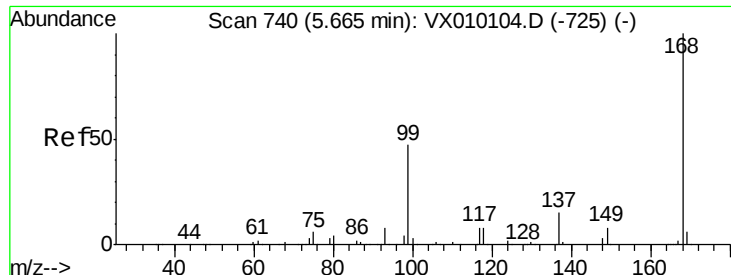
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	97691	19.362	ug/l	100
94) Hexachlorobutadiene	13.78	225	42057	18.743	ug/l	98
95) Naphthalene	13.83	128	311901	19.637	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	96401	19.323	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion:168 Resp: 298312

Ion Ratio Lower Upper

168 100

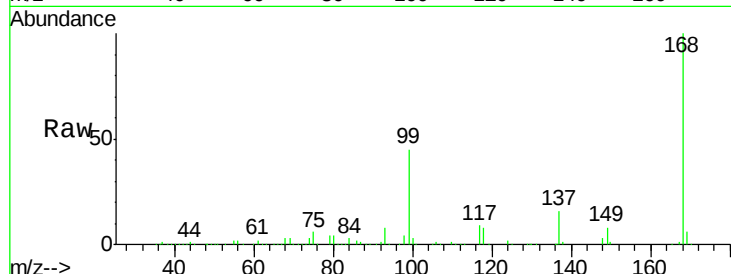
99 44.5 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

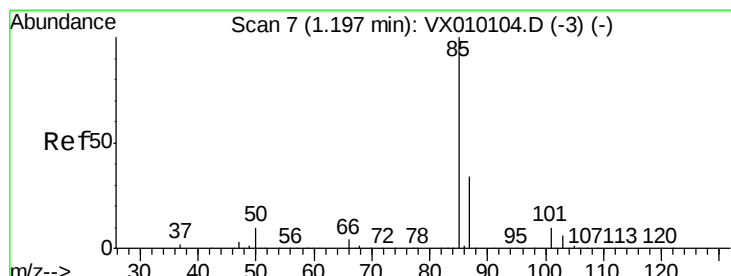
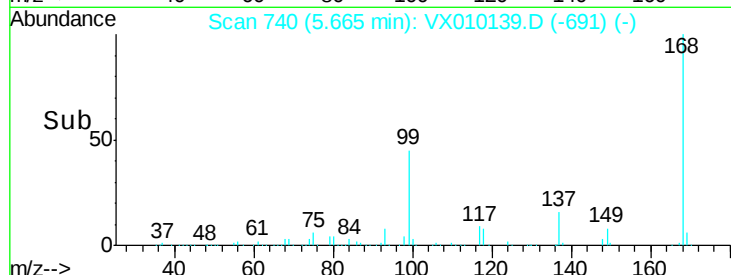
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.336 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010139.D

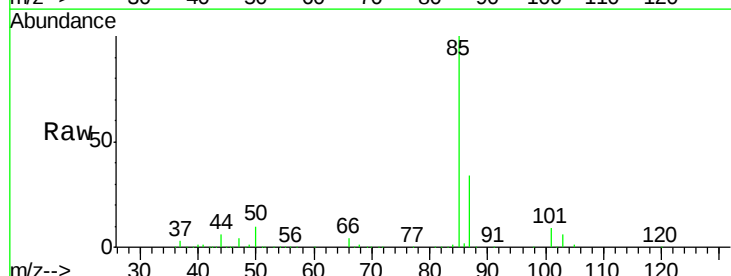
Acq: 08 Jun 2019 15:33

Tgt Ion: 85 Resp: 58566

Ion Ratio Lower Upper

85 100

87 33.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

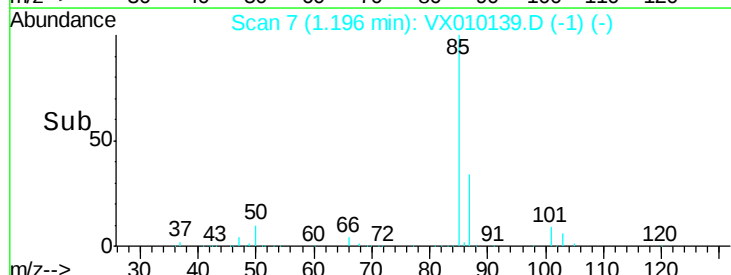
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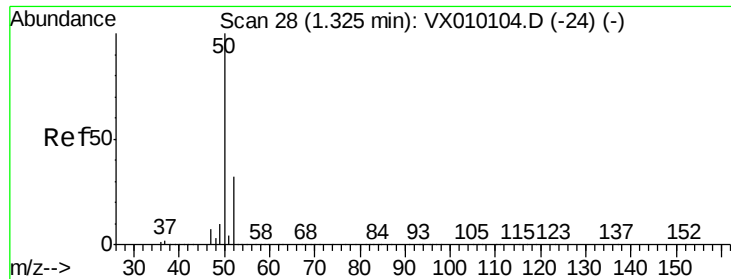
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.244 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion: 50 Resp: 55186

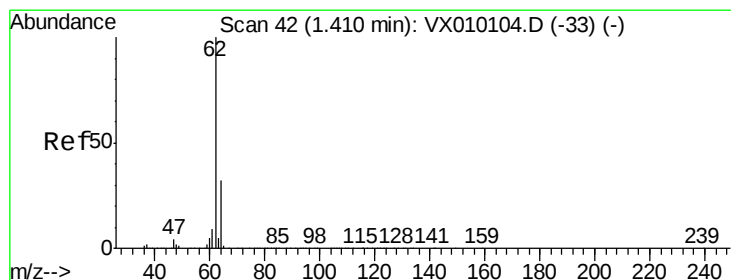
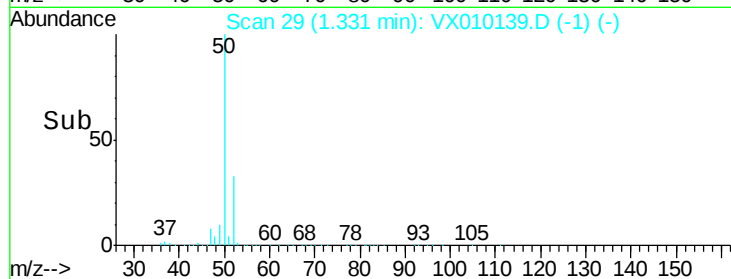
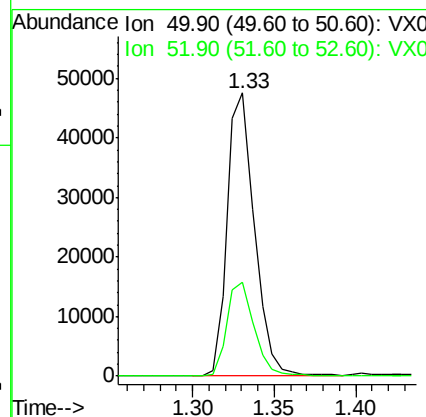
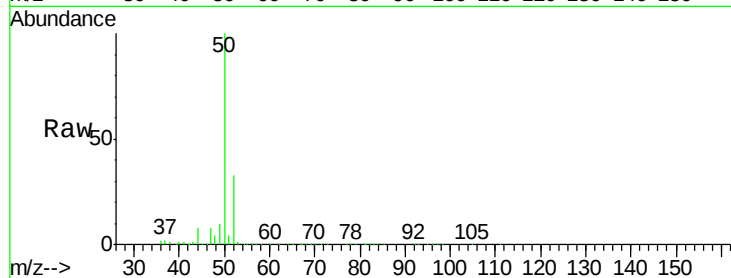
Ion Ratio Lower Upper

50 100

52 33.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 20.925 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010139.D

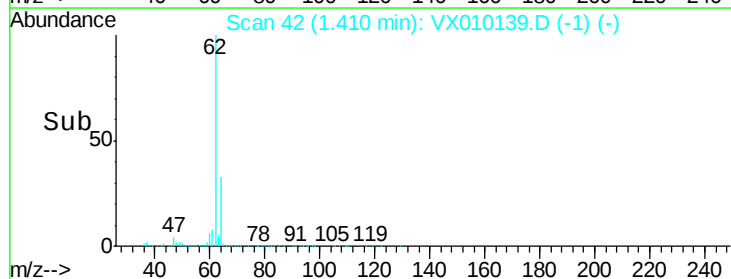
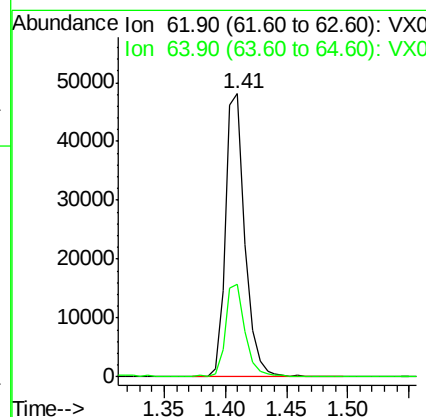
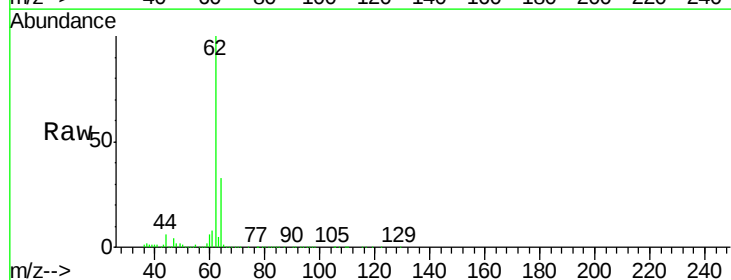
Acq: 08 Jun 2019 15:33

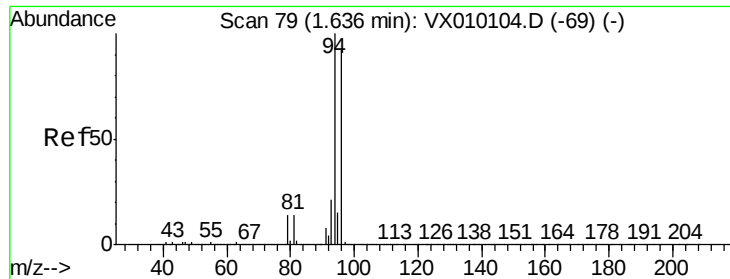
Tgt Ion: 62 Resp: 53612

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 26.654 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion: 94 Resp: 25769

Ion Ratio Lower Upper

94 100

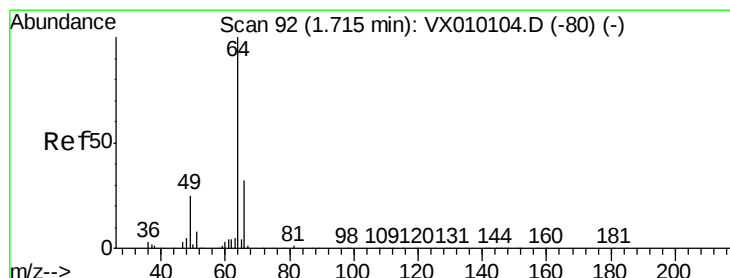
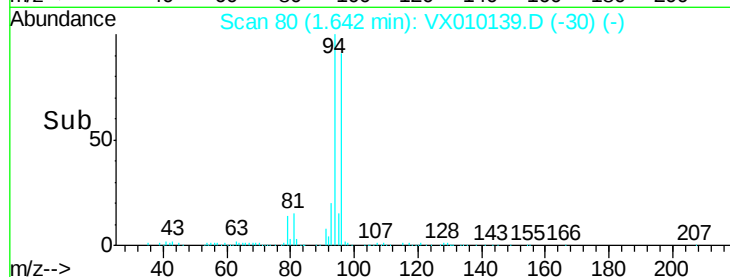
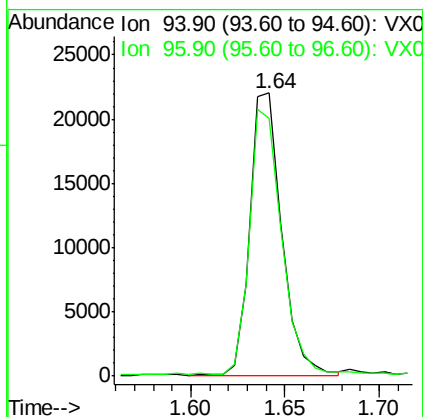
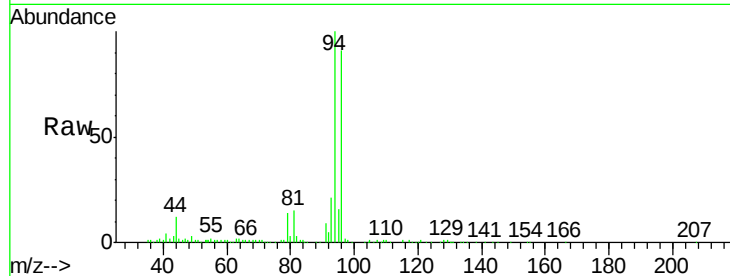
96 90.6 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 23.719 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010139.D

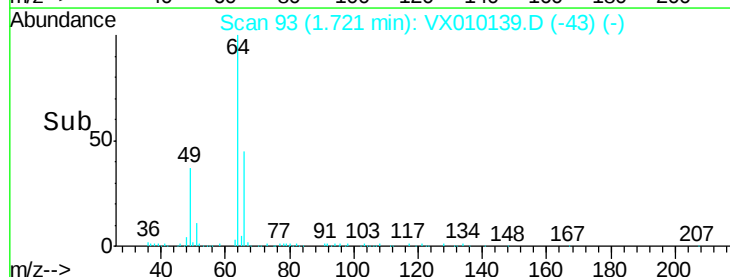
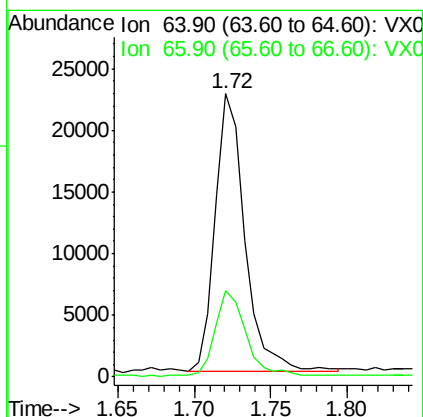
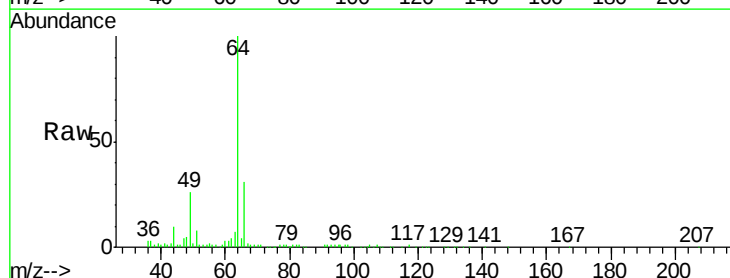
Acq: 08 Jun 2019 15:33

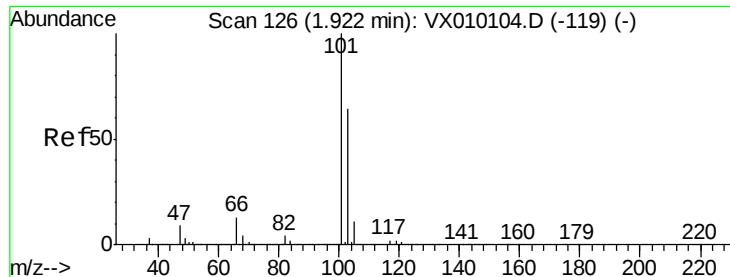
Tgt Ion: 64 Resp: 30639

Ion Ratio Lower Upper

64 100

66 30.7 25.1 37.7





#7

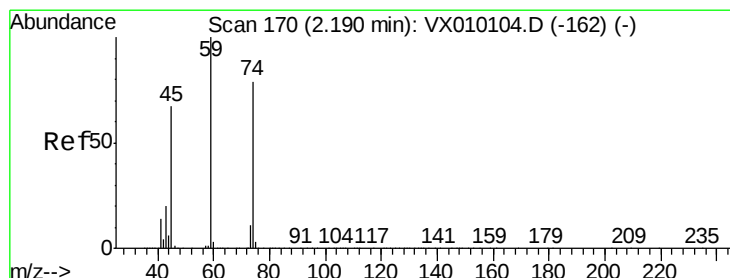
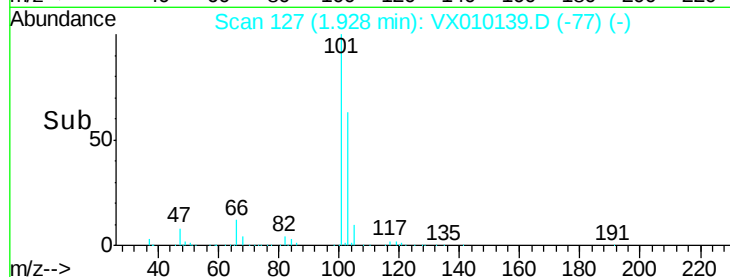
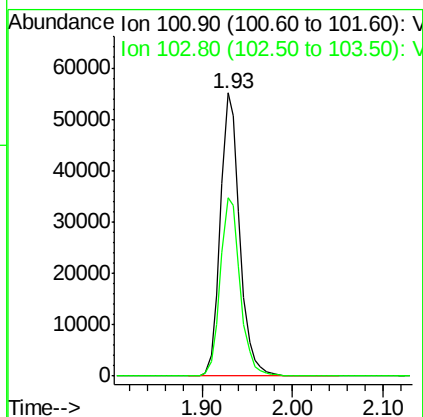
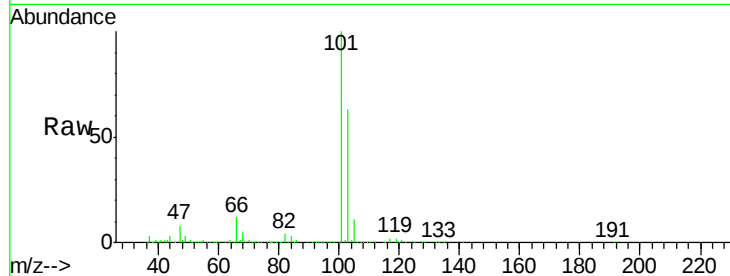
Trichlorofluoromethane
Concen: 21.639 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

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ClientSampleId :
VX0608WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.2	78.4

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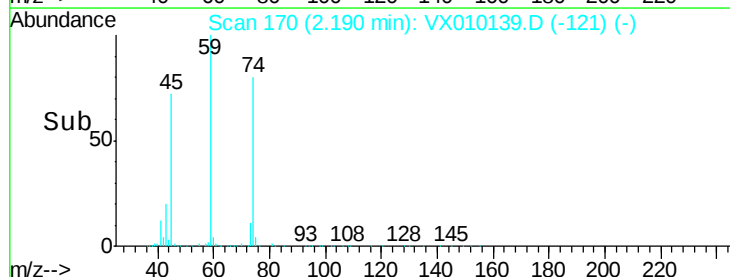
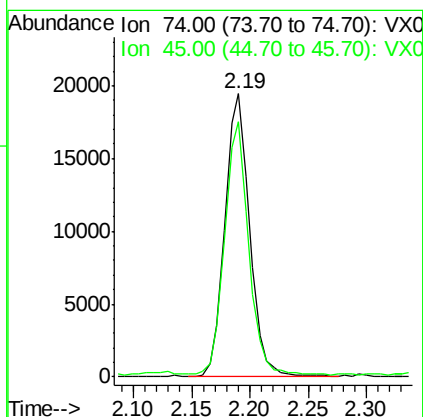
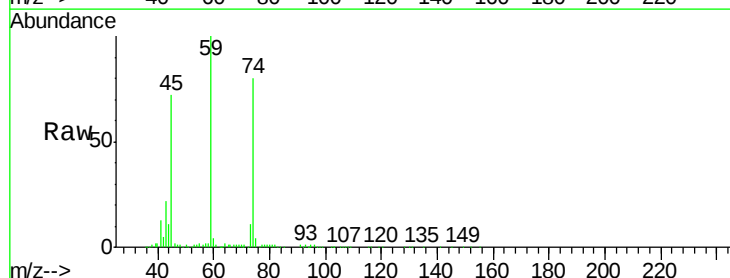
MMDadoda
6/10/2019 9:40:25 AM

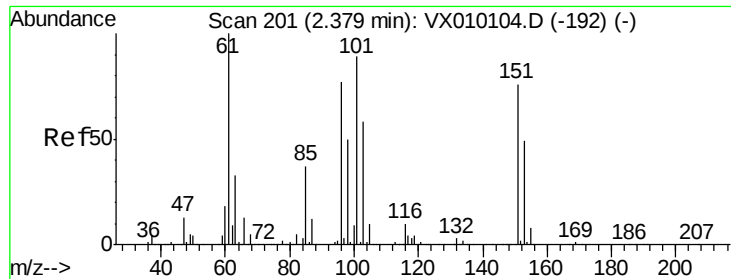


#8

Diethyl Ether
Concen: 21.939 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.6	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.206 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

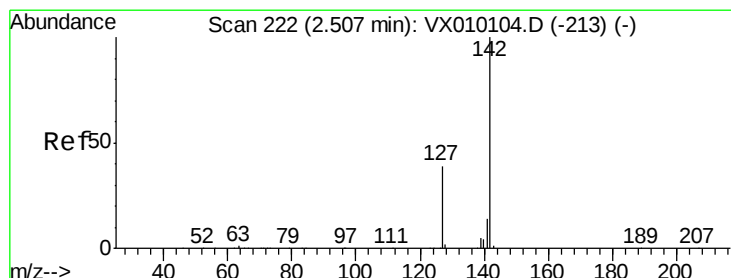
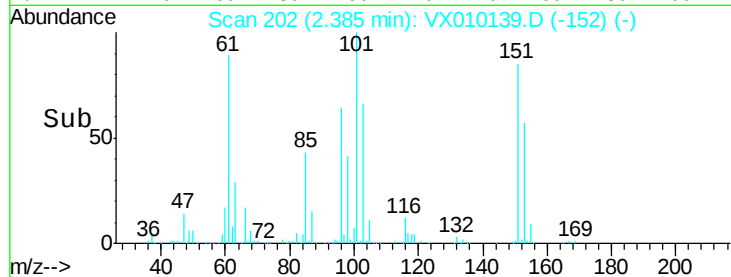
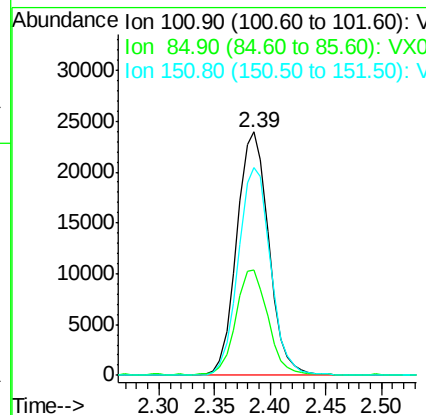
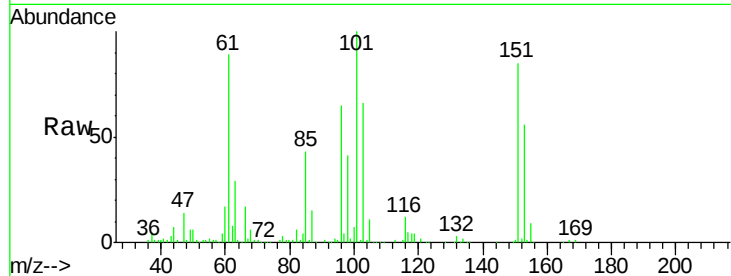
ClientSampleId :

VX0608WBS01

Tot Ion:	101	Resp:	47762
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.2	52.8
151	86.0	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 19.600 ug/l

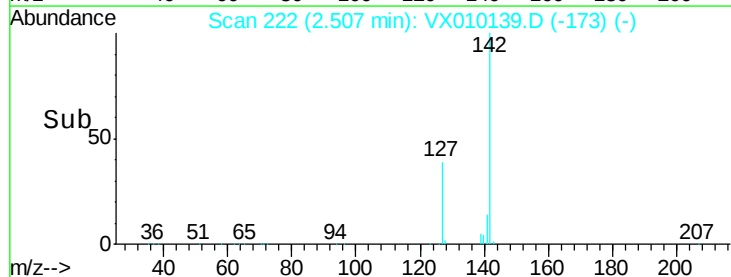
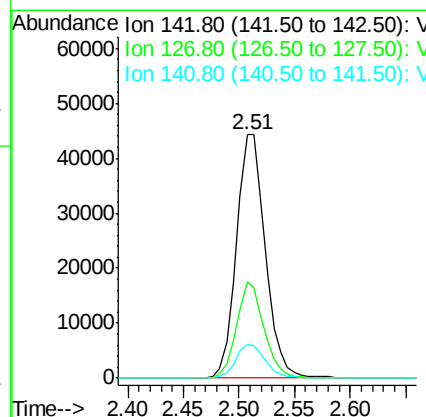
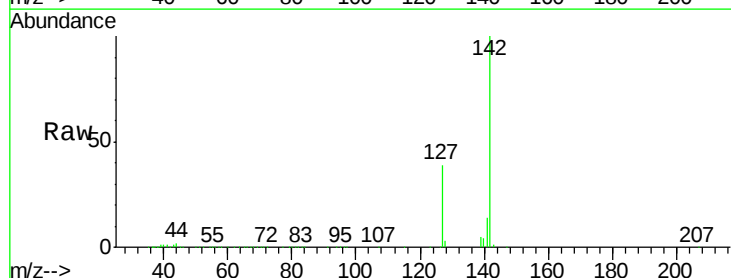
RT: 2.51 min Scan# 222

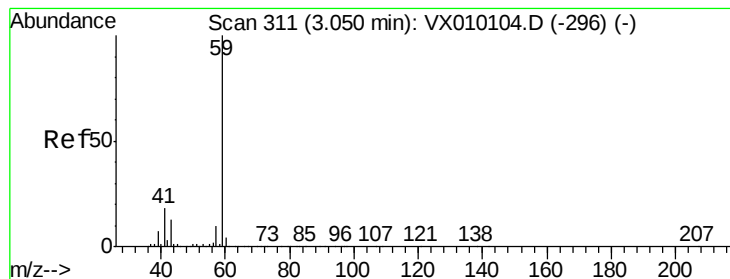
Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Tgt Ion:	142	Resp:	79665
Ion Ratio	Lower	Upper	
142	100		
127	37.5	33.0	49.4
141	14.0	11.4	17.0





#11

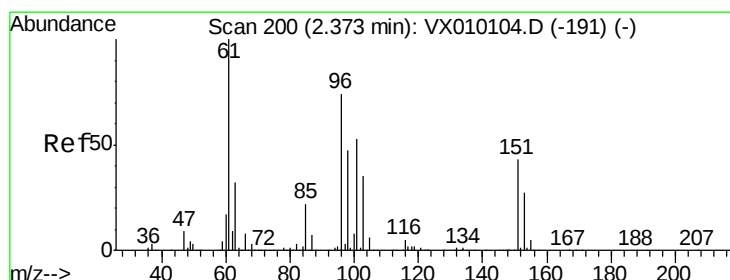
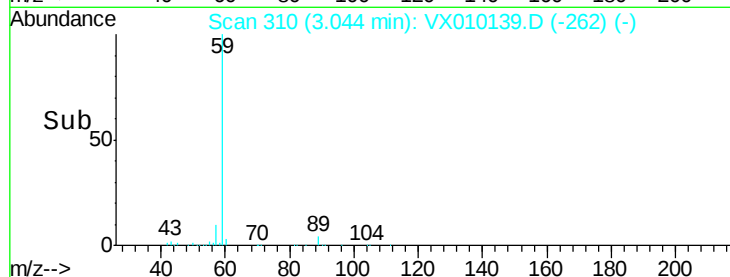
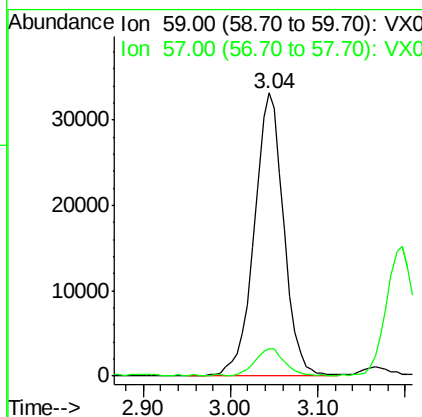
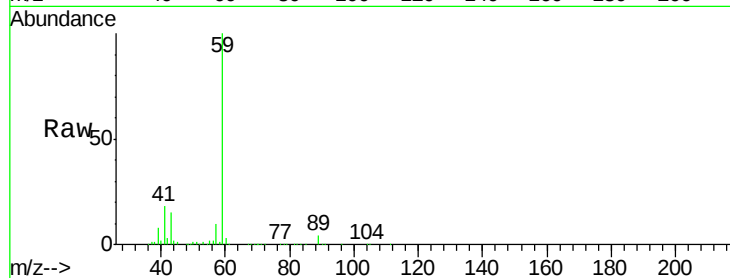
Tert butyl alcohol
Concen: 109.216 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampled :
VX0608WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.2	12.2

Manual Integrations
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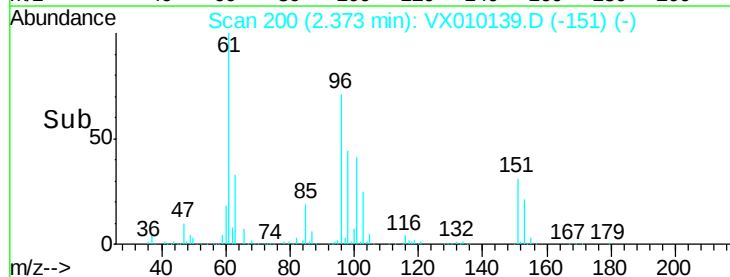
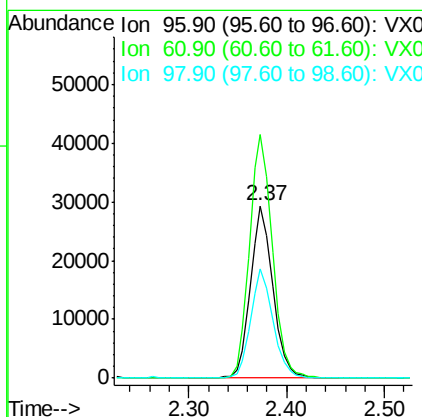
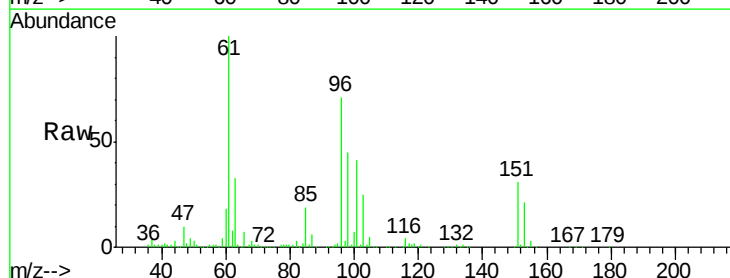
MMDadoda
6/10/2019 9:40:25 AM

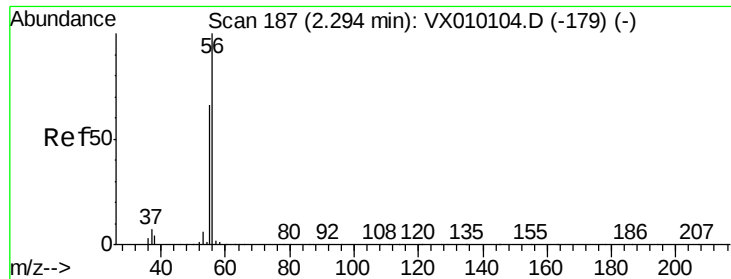


#12

1,1-Dichloroethene
Concen: 17.294 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.5	140.7	211.1
98	62.8	50.1	75.1





#13

Acrolein

Concen: 99.540 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion: 56 Resp: 12947

Ion Ratio Lower Upper

56 100

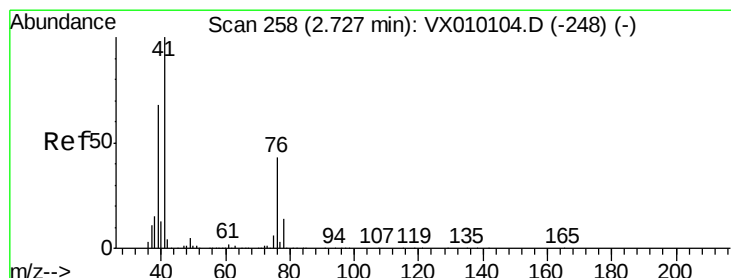
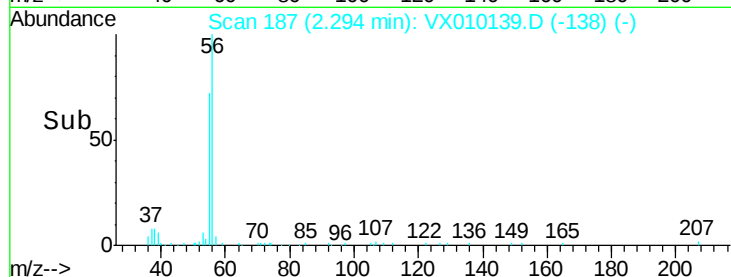
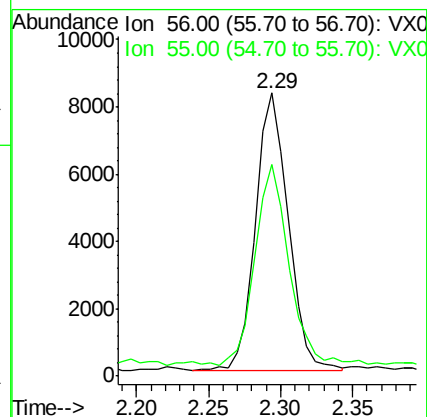
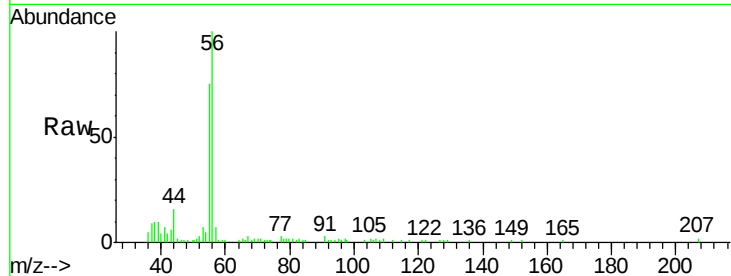
55 76.6 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 18.917 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

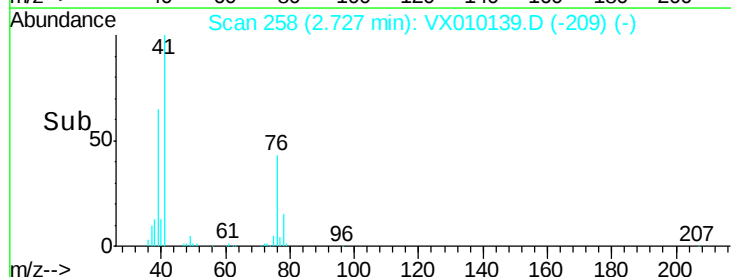
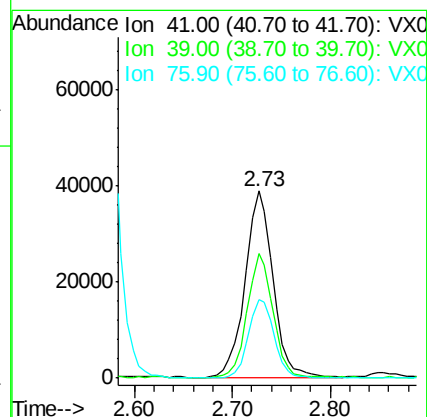
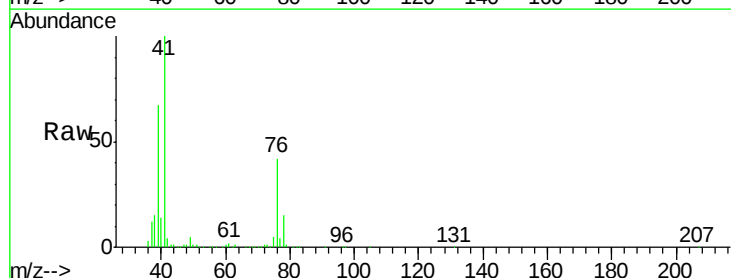
Tgt Ion: 41 Resp: 76511

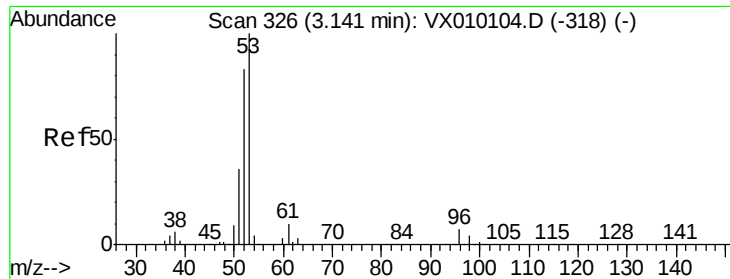
Ion Ratio Lower Upper

41 100

39 61.6 46.7 70.1

76 39.4 21.0 31.4#





#15

Acrylonitrile

Concen: 99.146 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

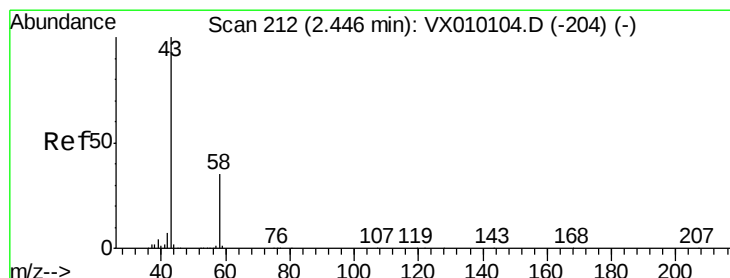
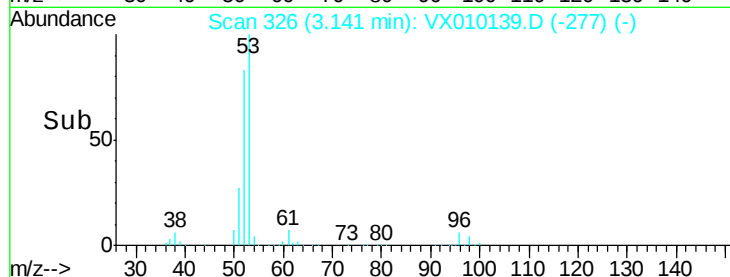
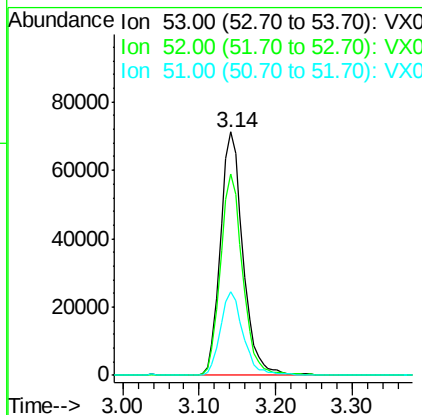
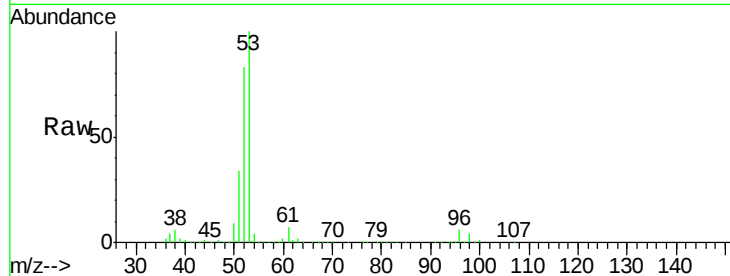
ClientSampleId :

VX0608WBS01

Tot Ion:	53	Resp:	144557
Ion Ratio		Lower	Upper
53	100		
52	81.9	66.7	100.1
51	35.3	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 99.930 ug/l

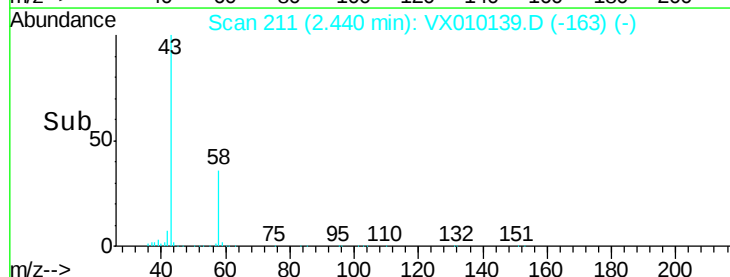
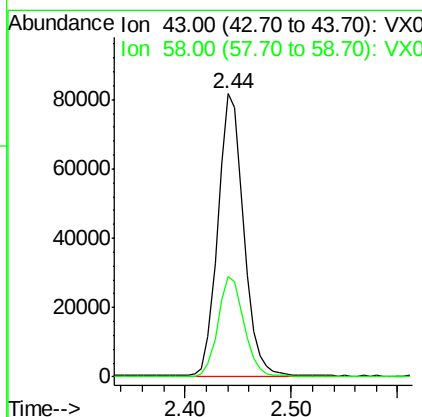
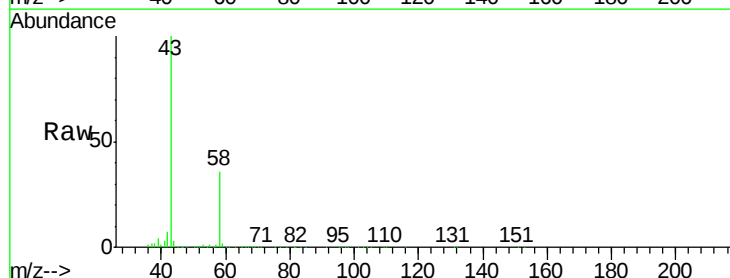
RT: 2.44 min Scan# 211

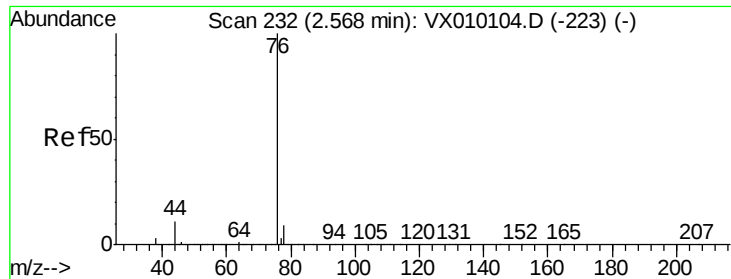
Delta R.T. -0.01 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Tgt Ion:	43	Resp:	136861
Ion Ratio		Lower	Upper
43	100		
58	35.6	23.2	34.8#





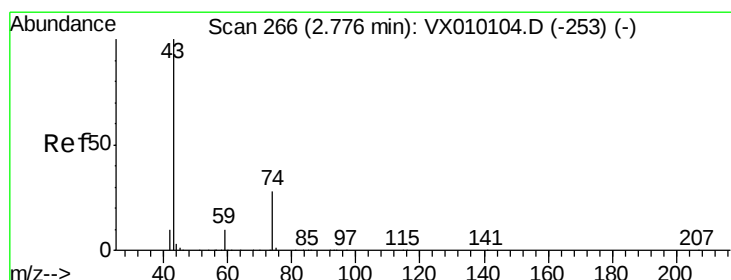
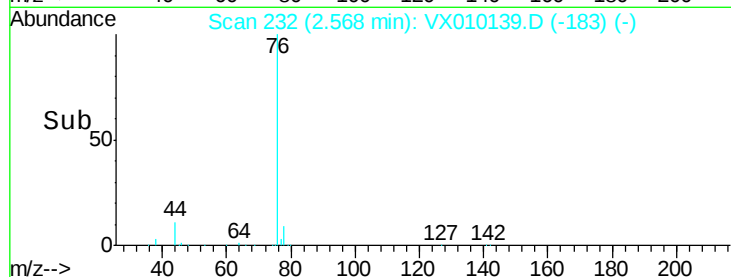
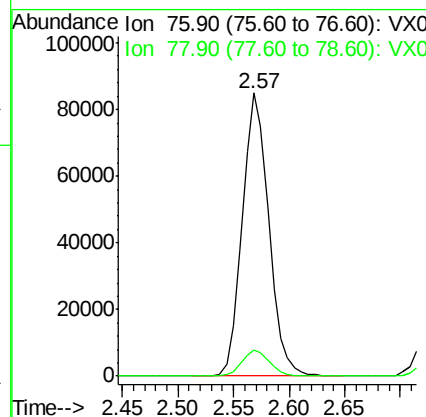
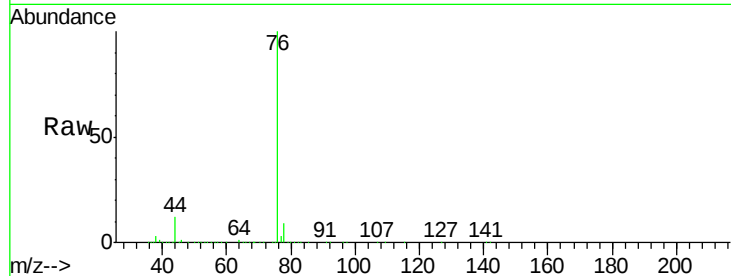
#17
Carbon Disulfide
Concen: 18.165 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

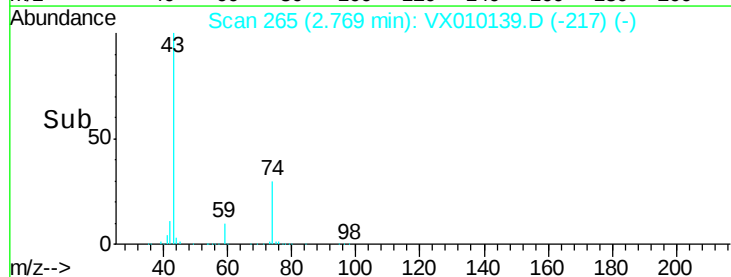
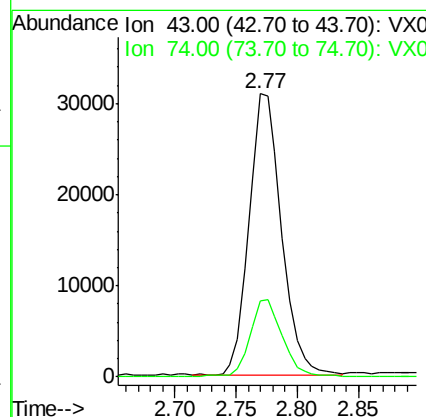
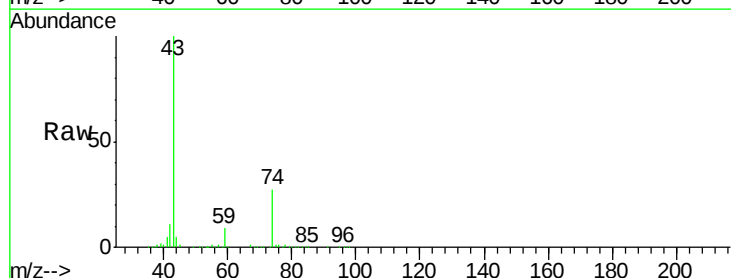
Manual Integrations
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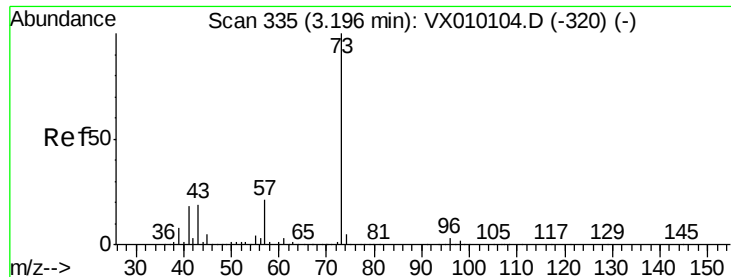
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#18
Methyl Acetate
Concen: 18.963 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.9	15.8	23.6#





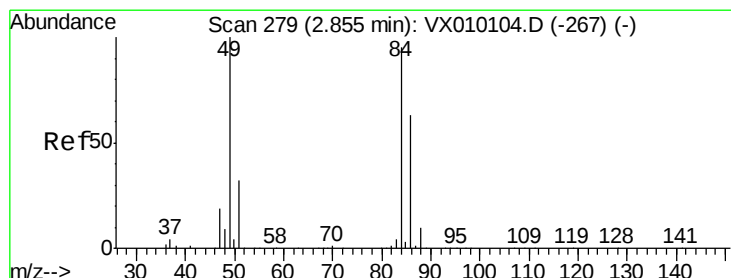
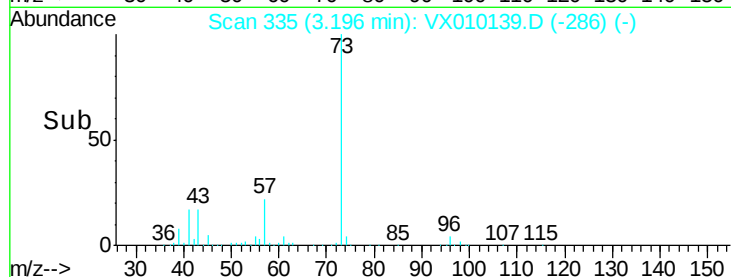
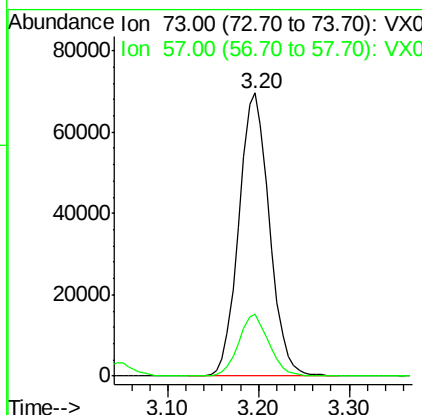
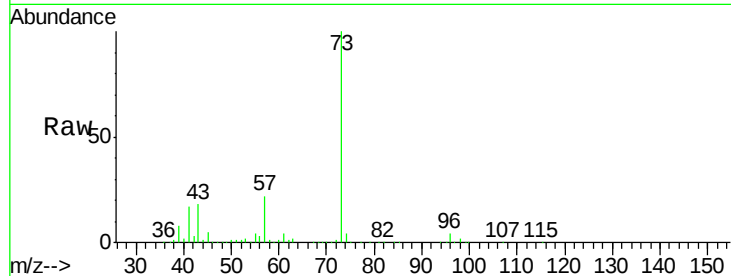
#19
Methyl tert-butyl Ether
Concen: 18.843 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	19.4	29.2

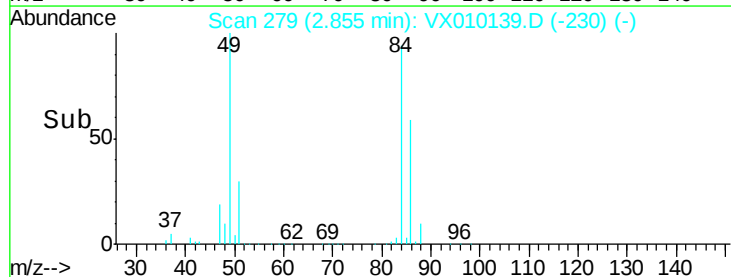
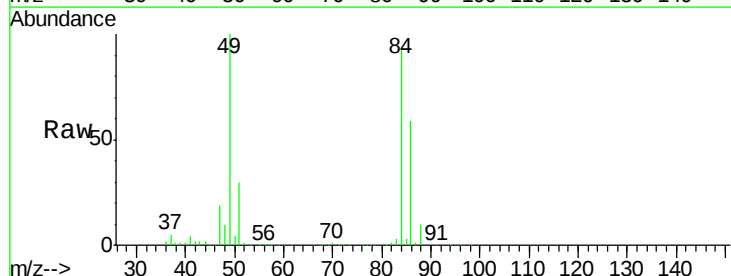
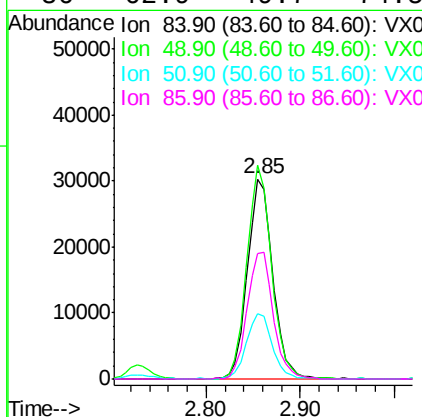
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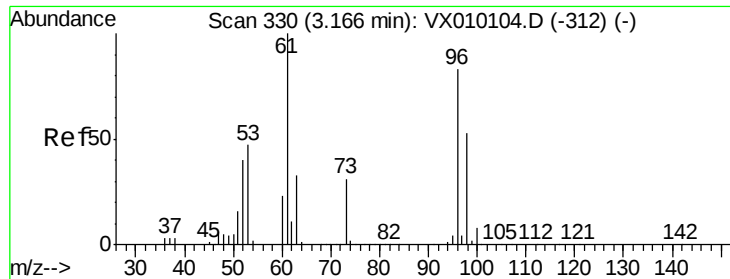
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#20
Methylene Chloride
Concen: 19.046 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.8	115.8	173.6#
51	32.2	34.4	51.6#
86	62.9	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 18.942 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion: 96 Resp: 56169

Ion Ratio Lower Upper

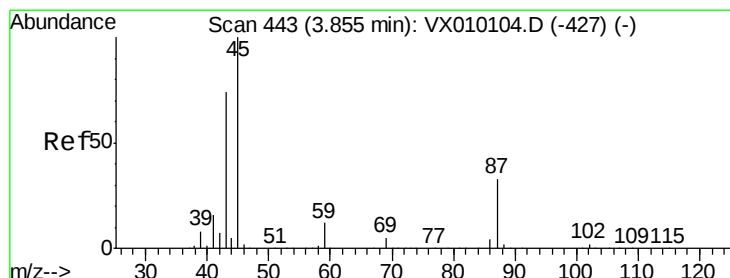
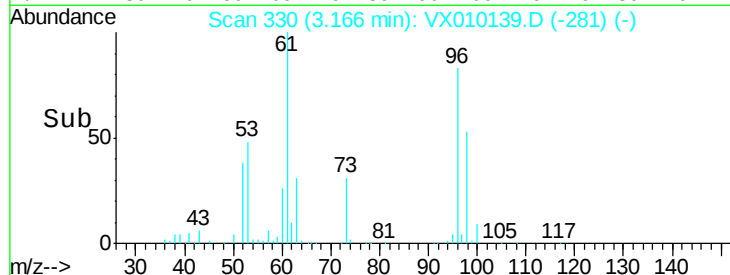
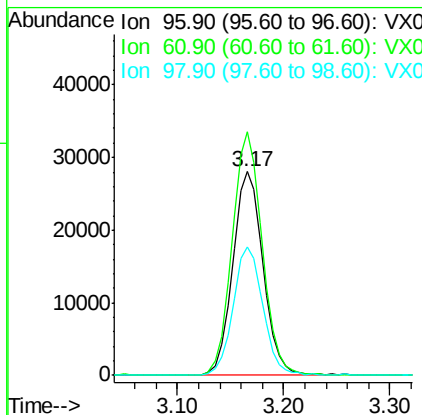
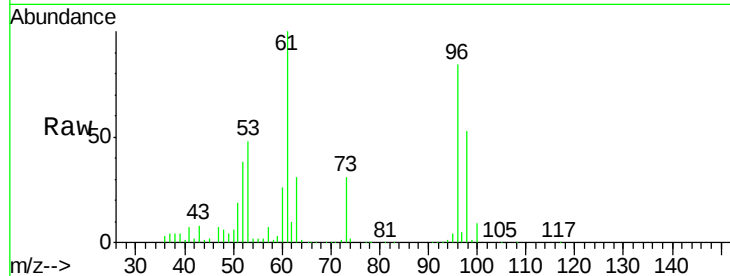
96 100

61 119.7 125.7 188.5#

98 63.4 49.0 73.6

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#22

Diisopropyl ether

Concen: 19.476 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Tgt Ion: 45 Resp: 150608

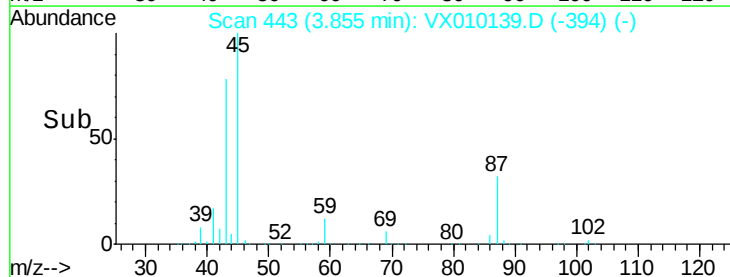
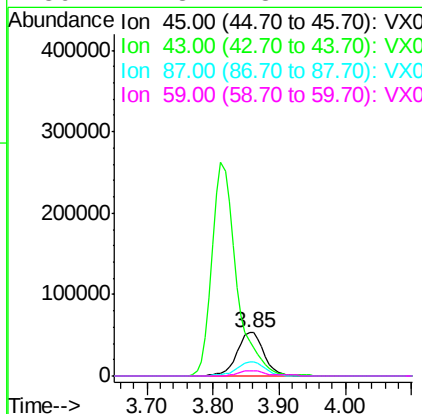
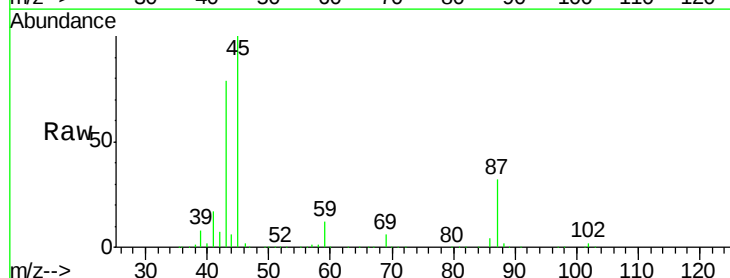
Ion Ratio Lower Upper

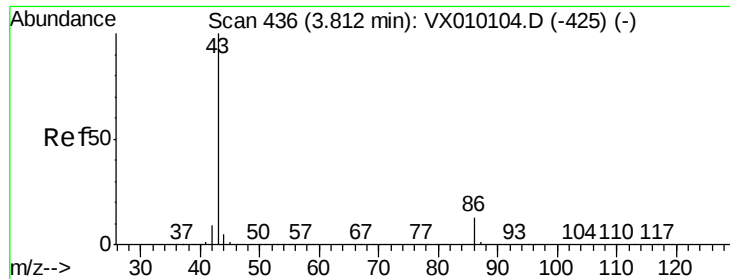
45 100

43 77.9 65.0 97.4

87 31.7 17.3 25.9#

59 12.3 8.1 12.1#





#23

Vinyl Acetate

Concen: 97.907 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion: 43 Resp: 675433

Ion Ratio Lower Upper

43 100

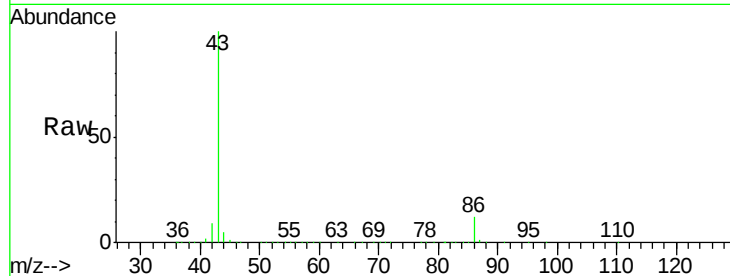
86 12.4 6.5 9.7#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

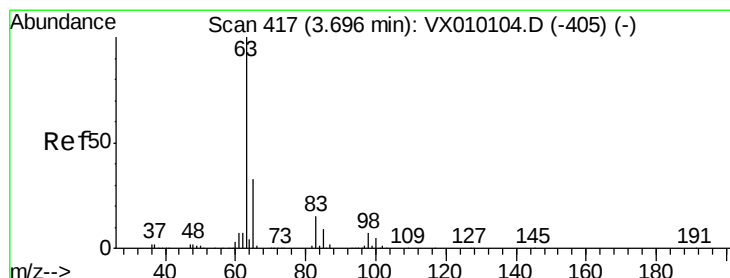
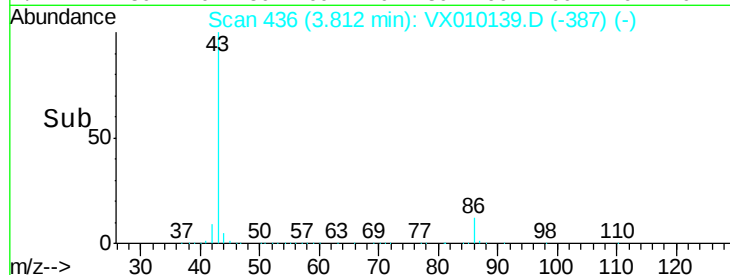
100000

50000

0

3.60 3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.917 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

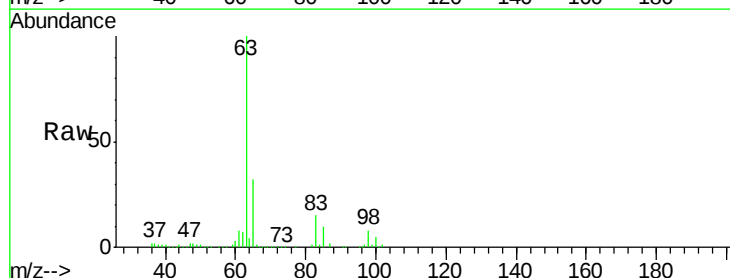
Tgt Ion: 63 Resp: 88817

Ion Ratio Lower Upper

63 100

98 7.8 2.9 8.8

100 4.9 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

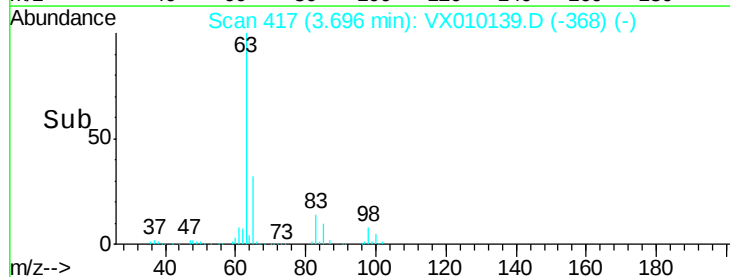
20000

10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 101.123 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion: 43 Resp: 206232

Ion Ratio Lower Upper

43 100

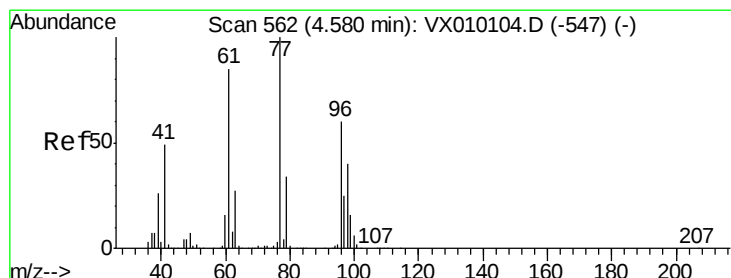
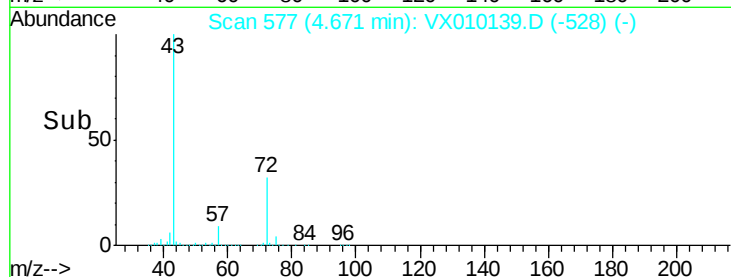
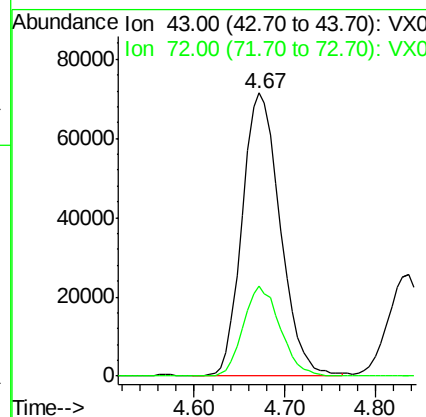
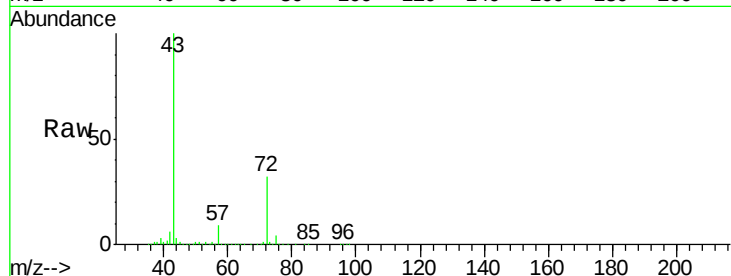
72 31.8 17.5 26.3#

Manual Integrations

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MMDadoda

6/10/2019 9:40:25 AM



#26

2,2-Dichloropropane

Concen: 19.029 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010139.D

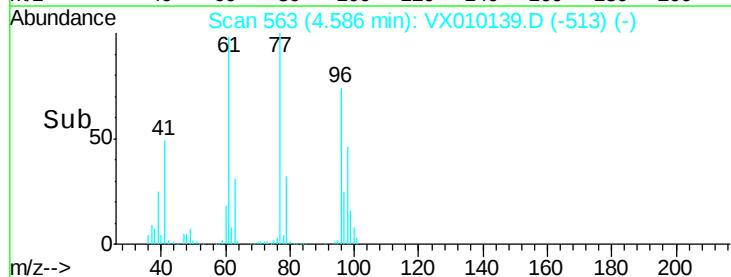
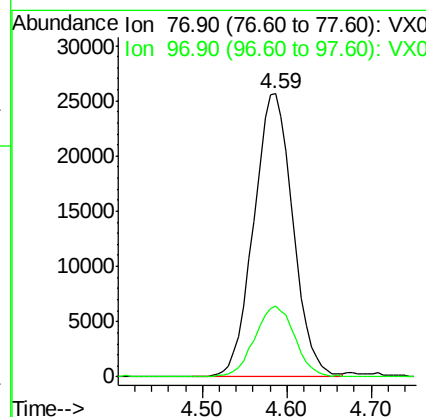
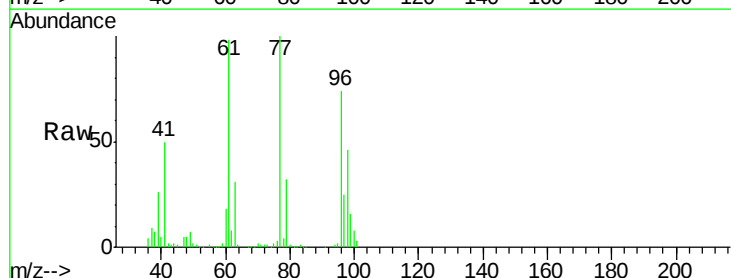
Acq: 08 Jun 2019 15:33

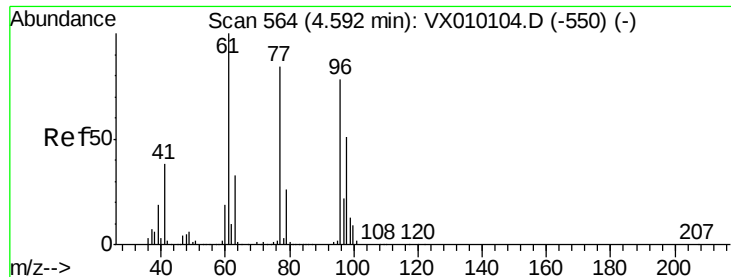
Tgt Ion: 77 Resp: 81509

Ion Ratio Lower Upper

77 100

97 26.0 11.4 34.2





#27

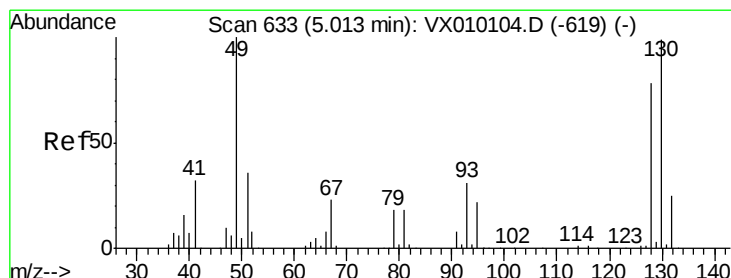
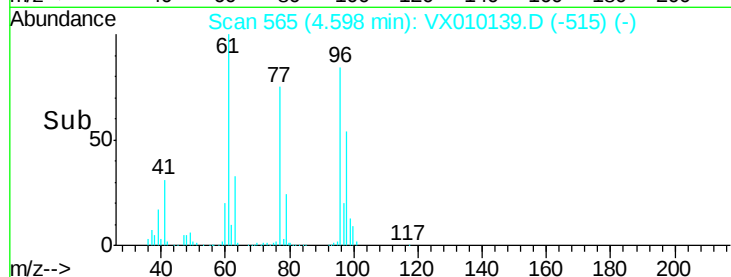
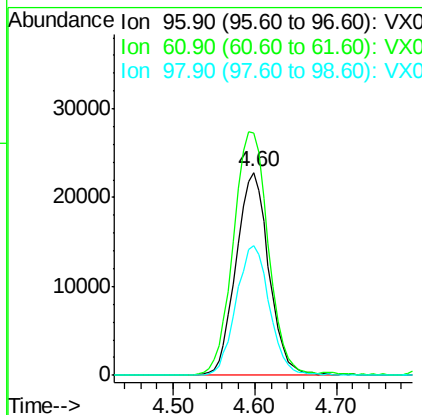
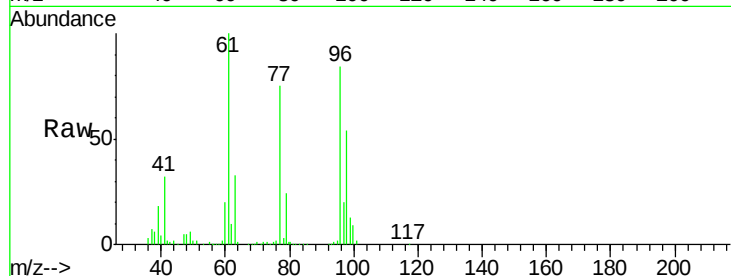
cis-1,2-Dichloroethene
Concen: 19.357 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.0	0.0	334.0
98	65.3	0.0	131.6

Manual Integrations
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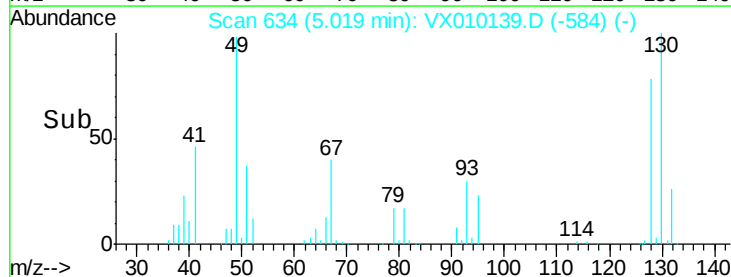
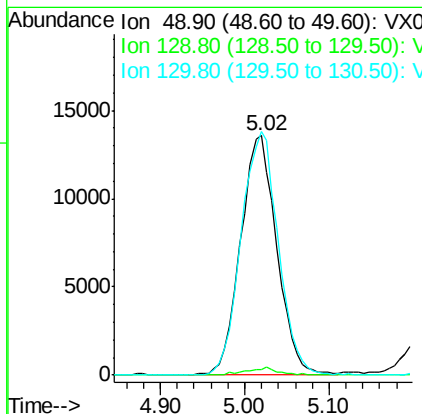
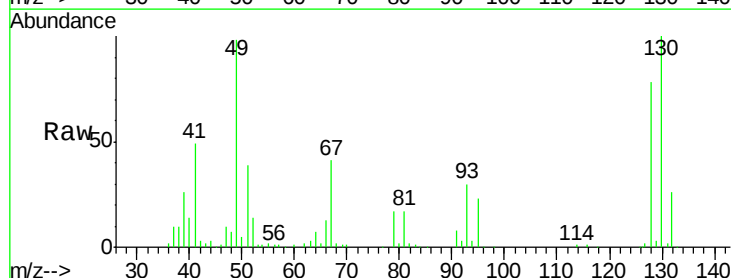
MMDadoda
6/10/2019 9:40:25 AM

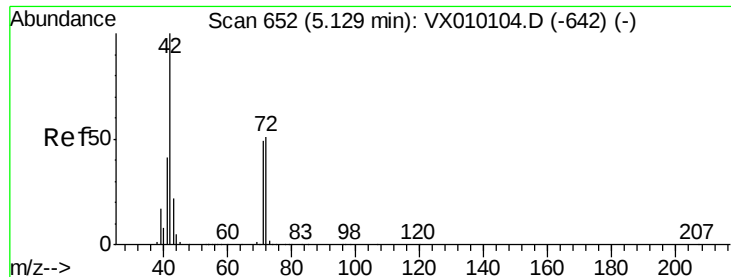


#28

Bromochloromethane
Concen: 18.835 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.4
130	103.8	49.4	74.2#





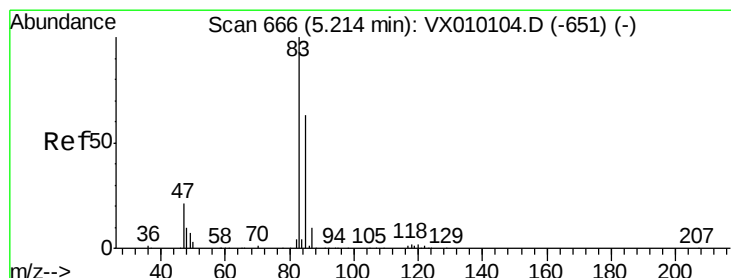
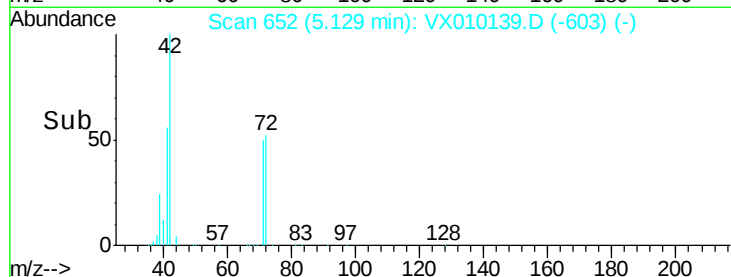
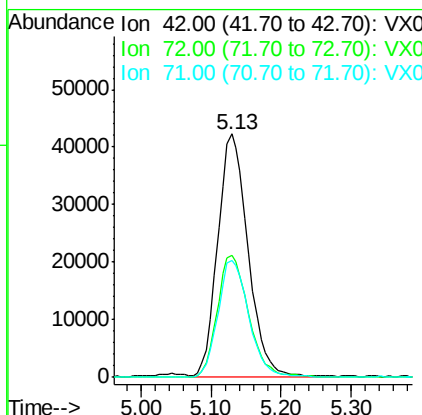
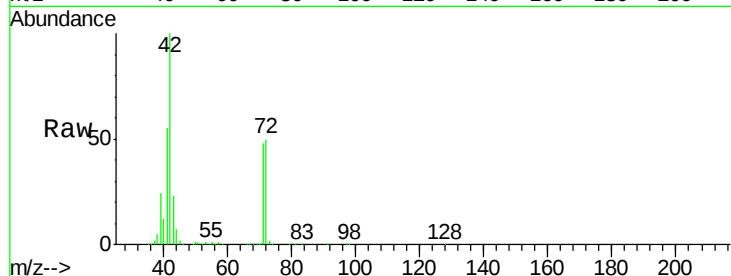
#29
Tetrahydrofuran
Concen: 98.667 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.4	29.2	43.8#
71	49.5	27.6	41.4#

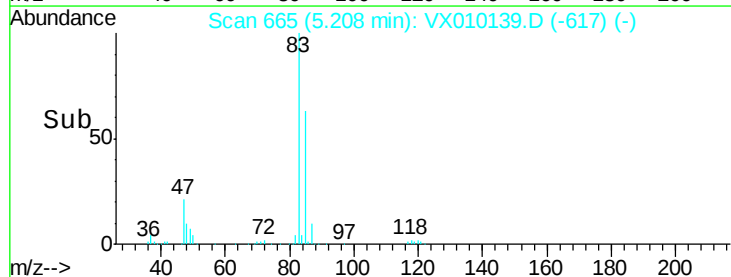
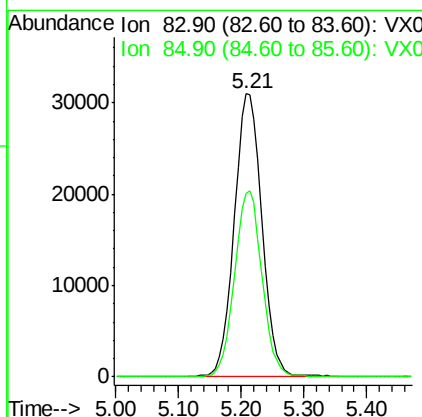
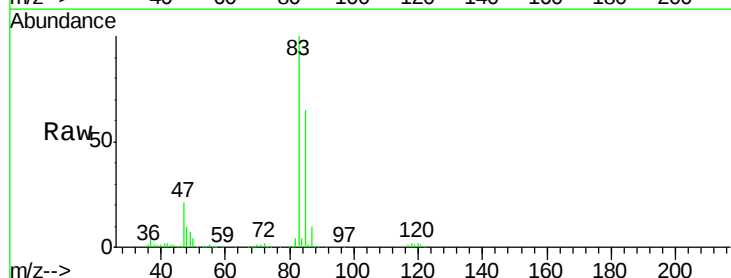
Manual Integrations
APPROVED

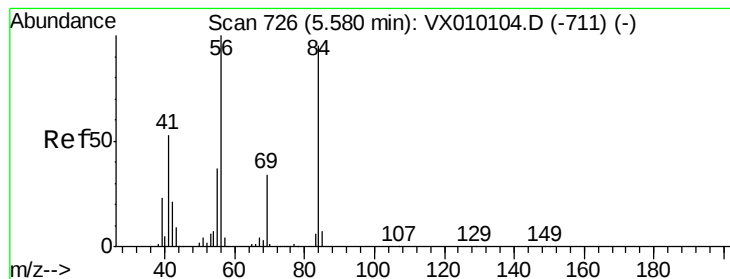
MMDadoda
6/10/2019 9:40:25 AM



#30
Chloroform
Concen: 19.459 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	78.8





#31

Cyclohexane

Concen: 19.976 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

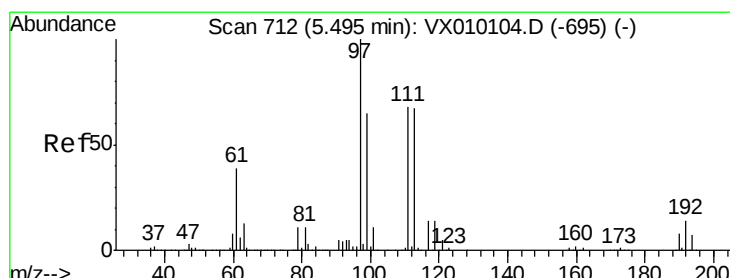
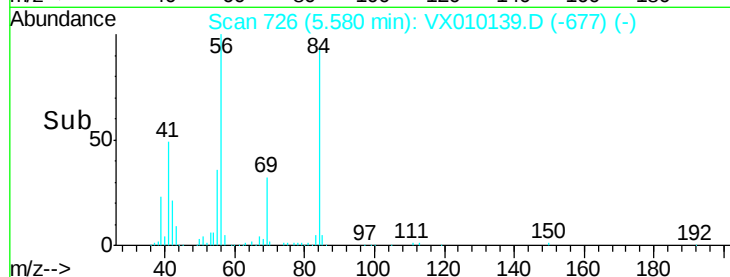
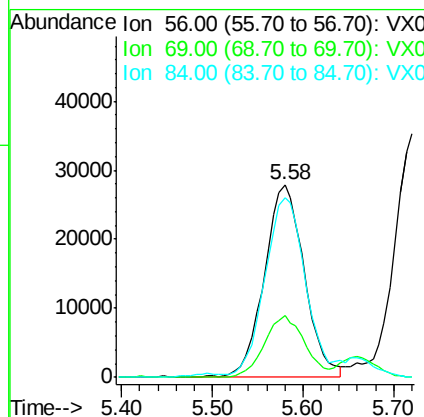
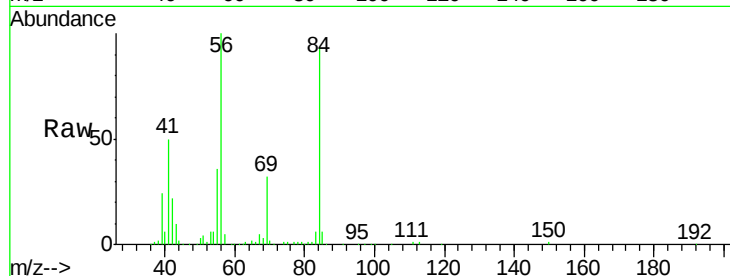
ClientSampleId :

VX0608WBS01

Tot Ion:	56	Resp:	84648
Ion	Ratio	Lower	Upper
56	100		
69	31.4	21.6	32.4
84	92.0	56.8	85.2#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.669 ug/l

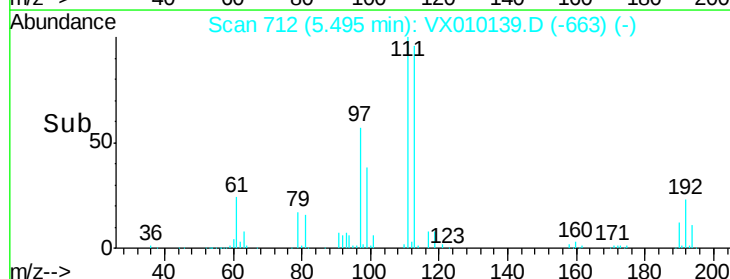
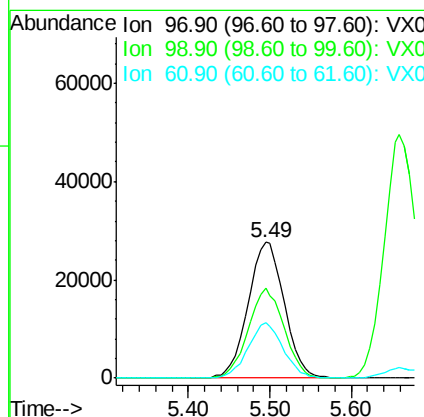
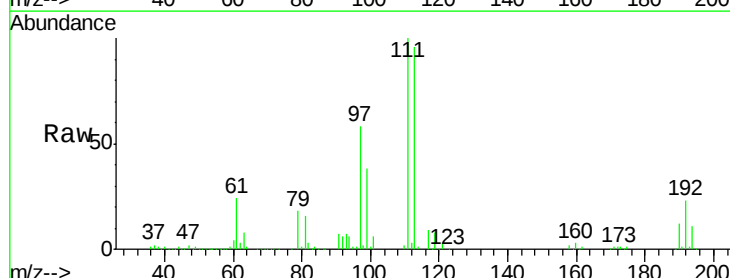
RT: 5.49 min Scan# 712

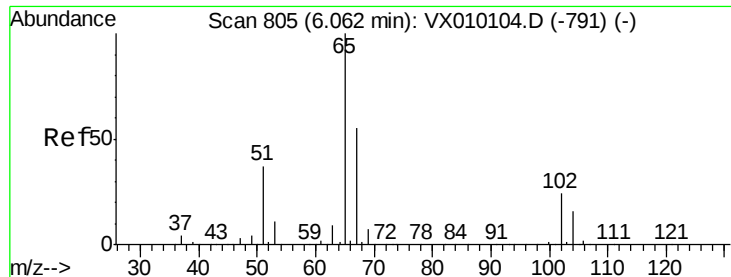
Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Tgt Ion:	97	Resp:	85581
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.4
61	39.4	38.7	58.1





#33

1,2-Dichloroethane-d4

Concen: 47.925 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion: 65 Resp: 139552

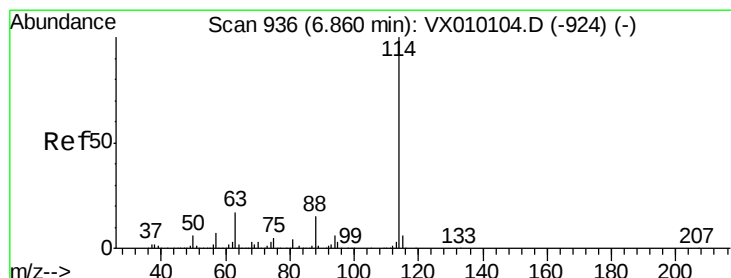
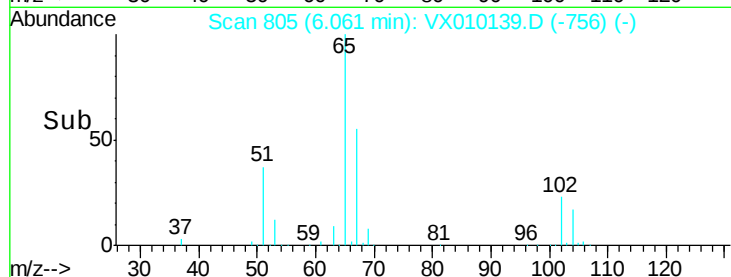
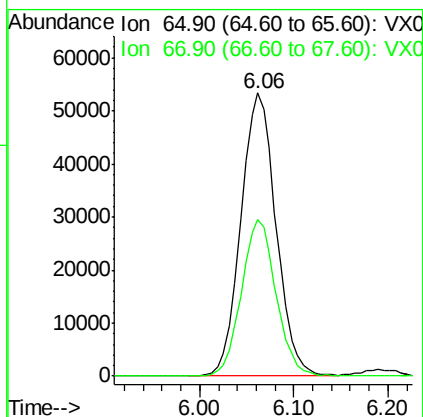
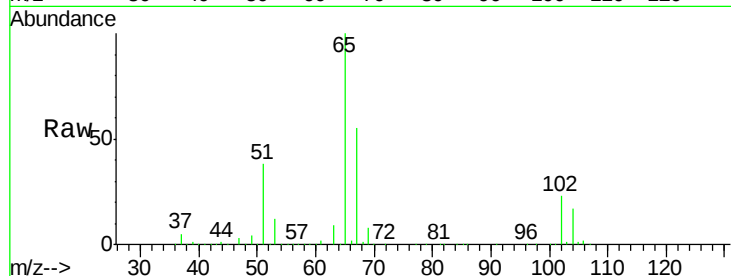
Ion Ratio Lower Upper

65 100

67 54.6 0.0 108.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

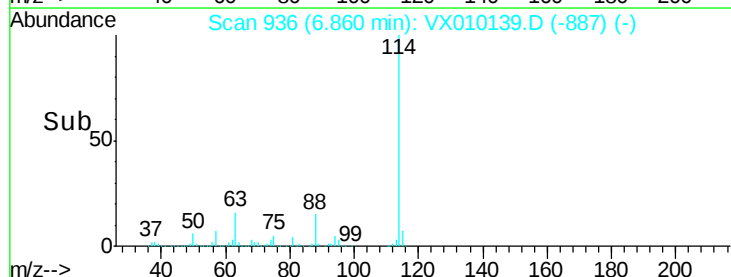
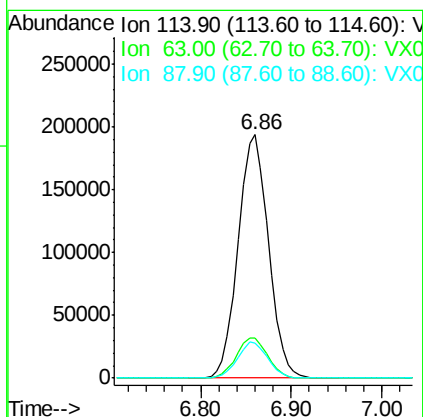
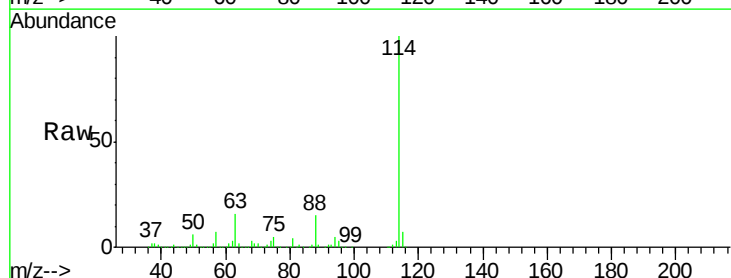
Tgt Ion: 114 Resp: 450007

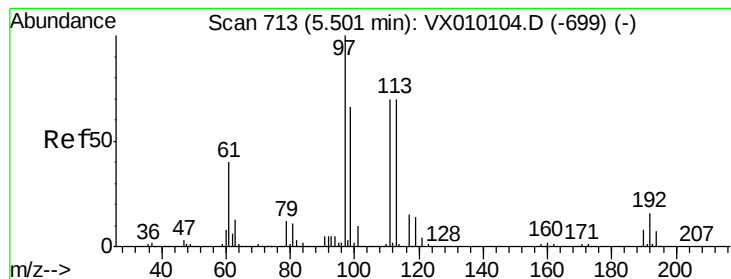
Ion Ratio Lower Upper

114 100

63 16.3 0.0 47.4

88 14.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.752 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

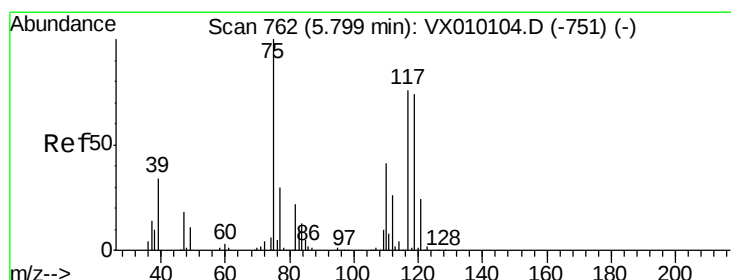
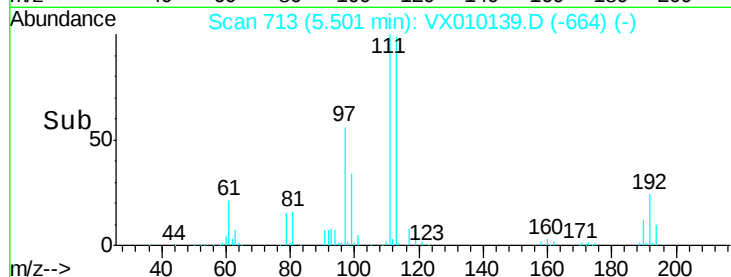
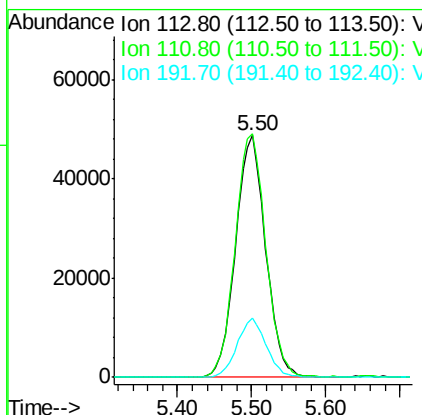
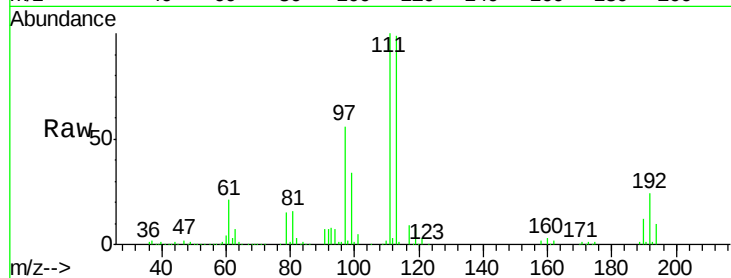
ClientSampleId :

VX0608WBS01

Tot Ion:	113	Resp:	138100
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.2	123.2
192	23.6	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.033 ug/l

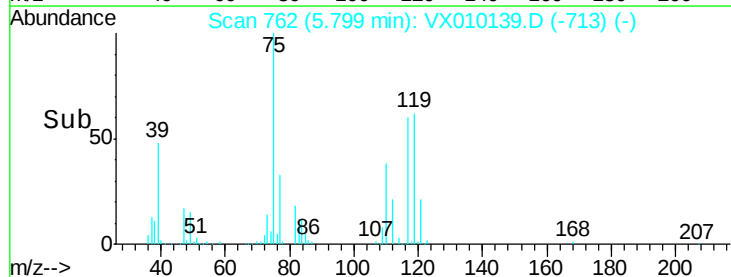
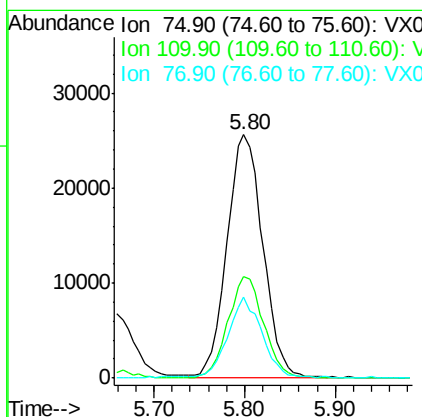
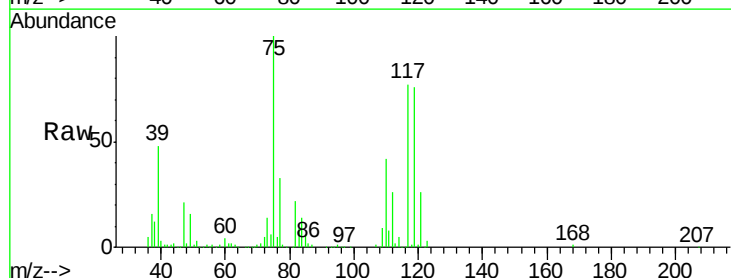
RT: 5.80 min Scan# 762

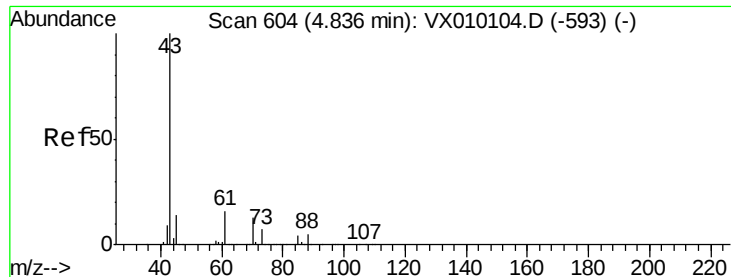
Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Tgt Ion:	75	Resp:	69878
Ion Ratio	Lower	Upper	
75	100		
110	41.6	16.7	50.1
77	32.1	25.0	37.4





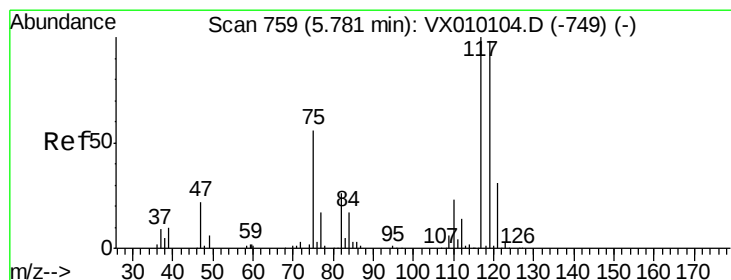
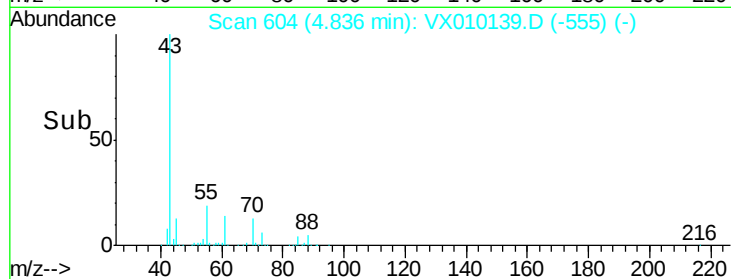
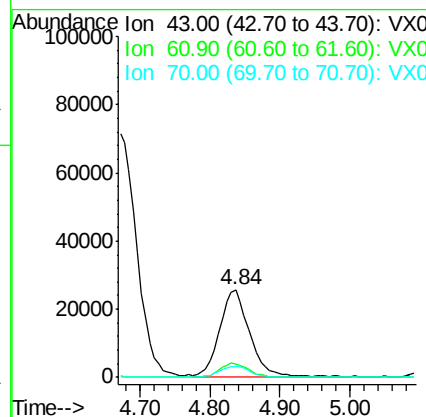
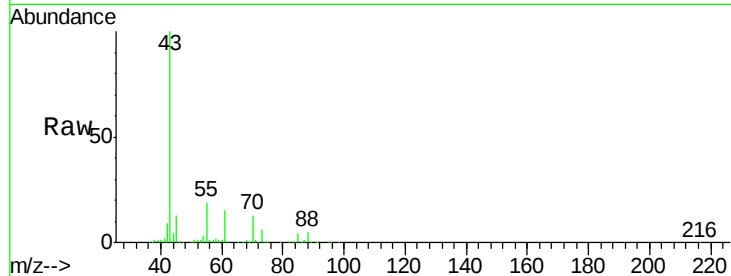
#37
Ethyl Acetate
Concen: 19.601 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.6	10.2	15.2#
70	13.3	7.4	11.2#

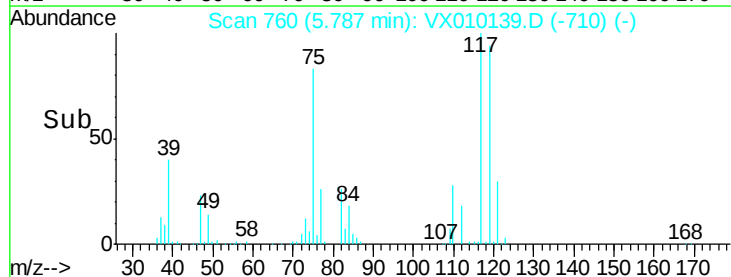
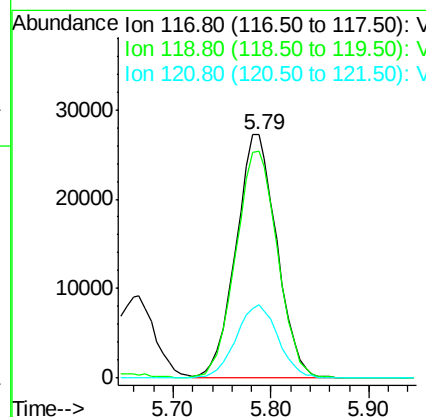
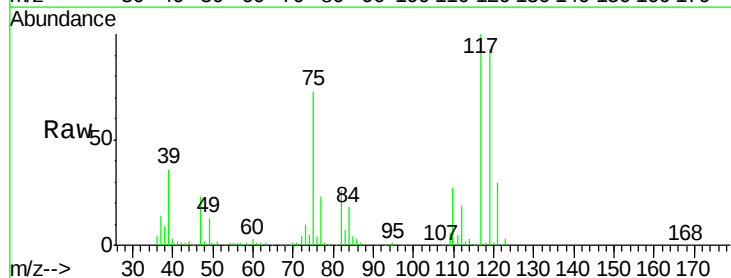
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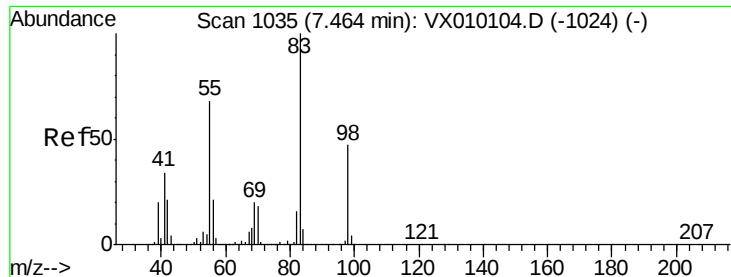
MMDadoda
6/10/2019 9:40:25 AM



#38
Carbon Tetrachloride
Concen: 18.971 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.3	115.9
121	30.1	25.4	38.0





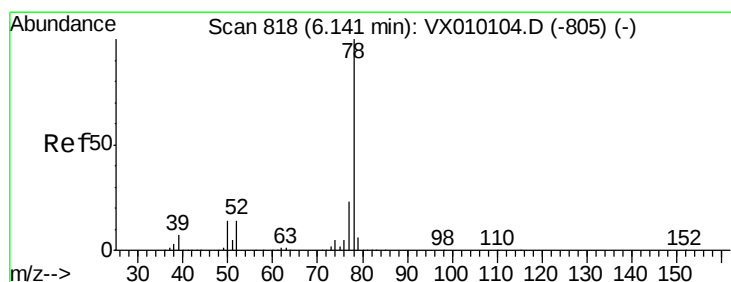
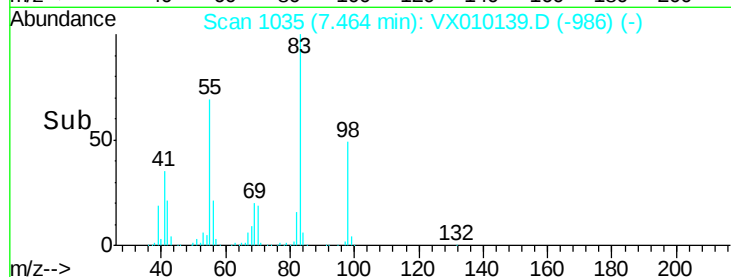
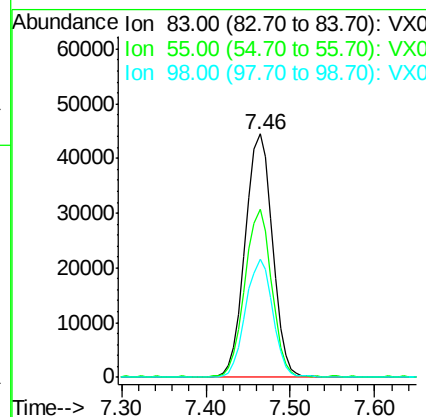
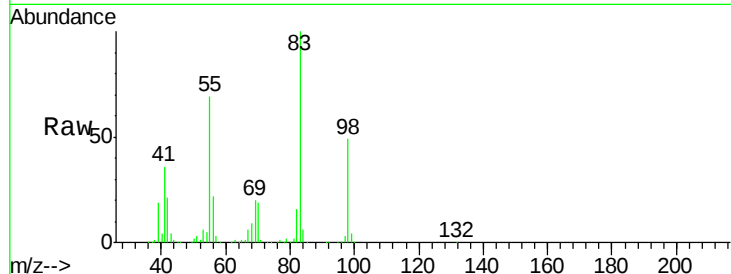
#39
Methylvlcyclohexane
Concen: 19.479 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.0	69.9	104.9#
98	48.6	35.1	52.7

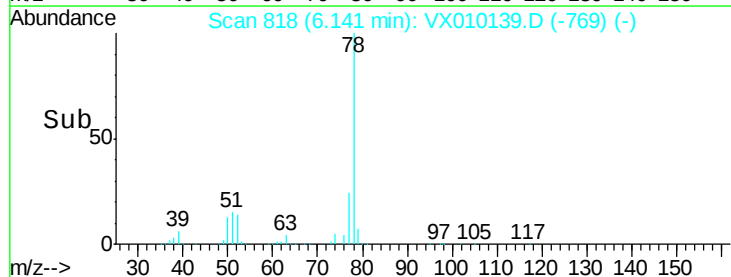
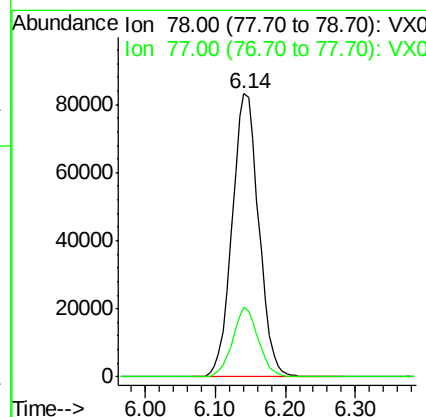
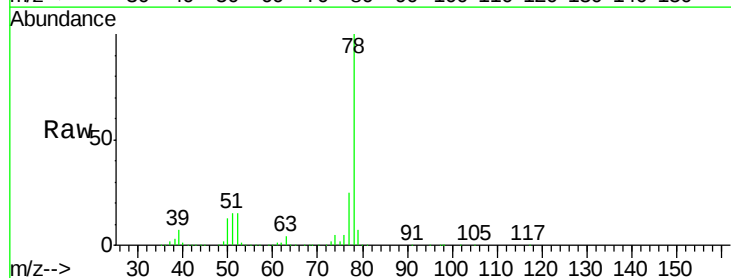
Manual Integrations
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#40
Benzene
Concen: 19.388 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8





#41

Methacrylonitrile

Concen: 19.207 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion: 41 Resp: 39689

Ion Ratio Lower Upper

41 100

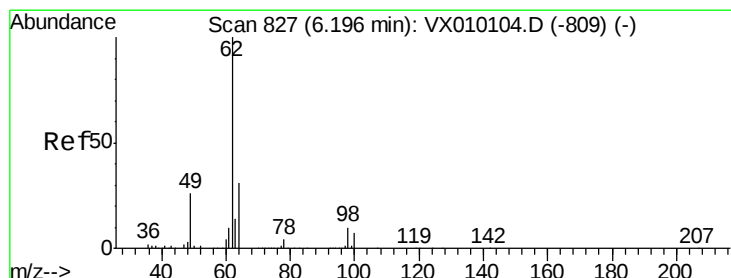
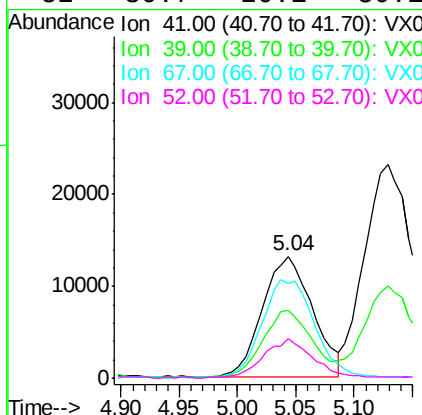
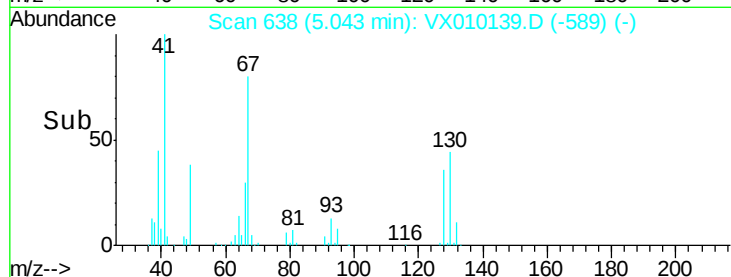
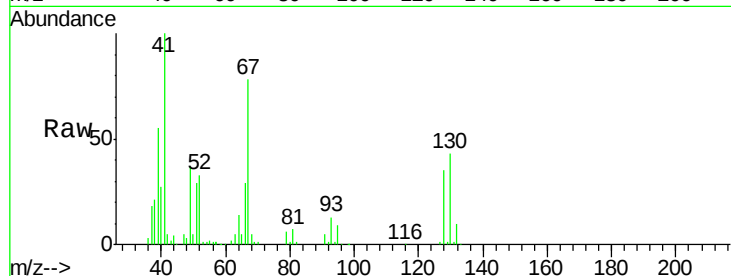
39 52.2 42.2 63.4

67 84.0 48.9 73.3#

52 30.7 20.1 30.1#

Manual Integrations
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6/10/2019 9:40:25 AM



#42

1,2-Dichloroethane

Concen: 18.743 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX010139.D

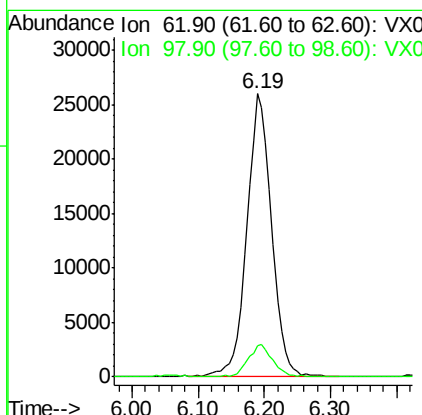
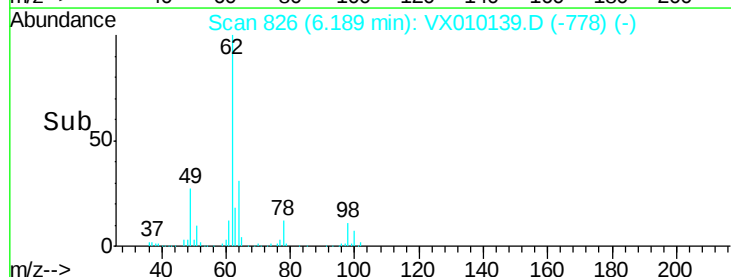
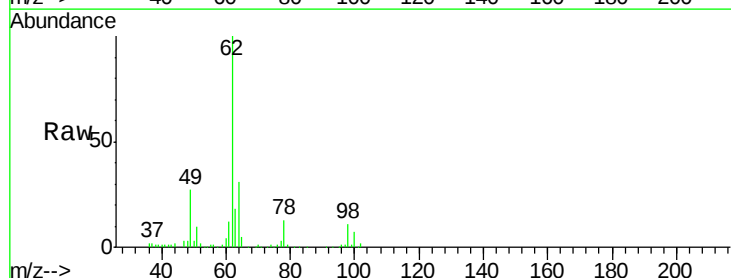
Acq: 08 Jun 2019 15:33

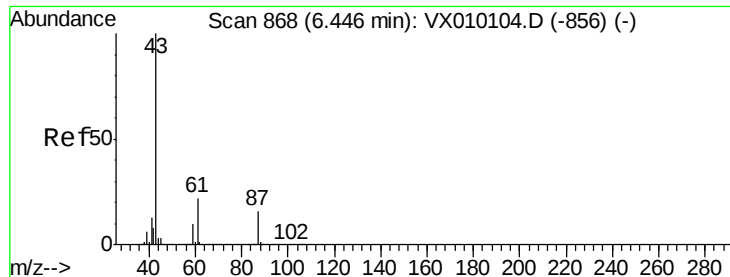
Tgt Ion: 62 Resp: 67930

Ion Ratio Lower Upper

62 100

98 11.4 0.0 17.2





#43

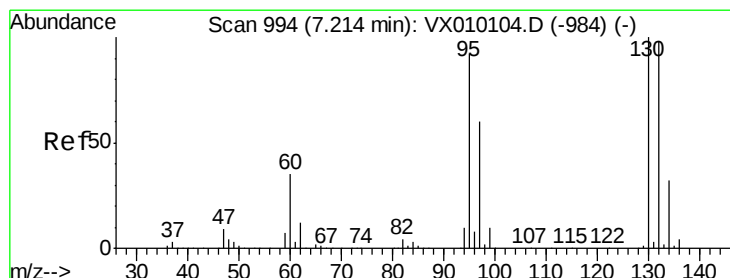
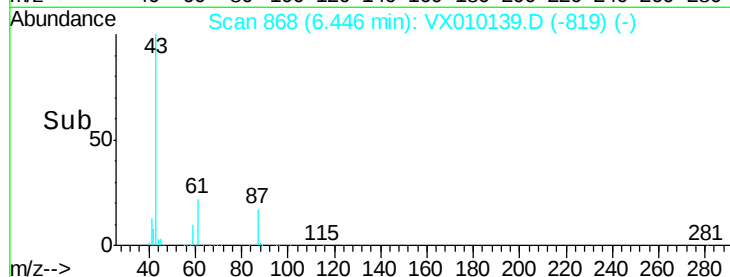
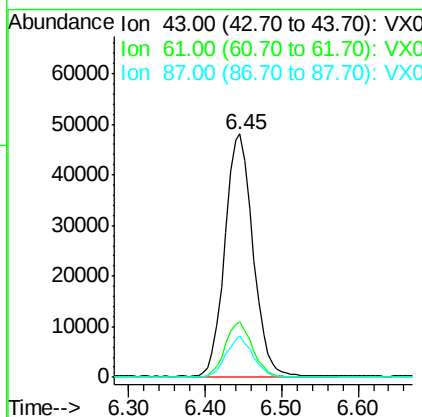
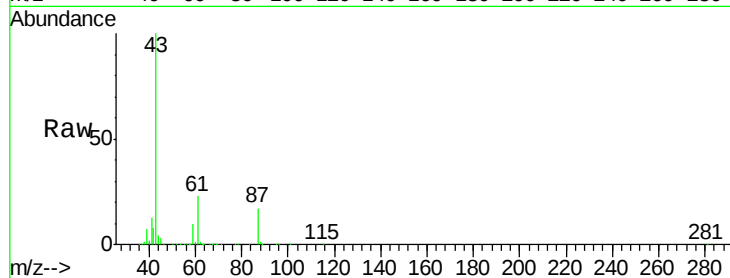
Isopropyl Acetate
 Concen: 18.994 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010139.D
 Acq: 08 Jun 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.6	14.6	21.8#
87	16.1	8.7	13.1#

Manual Integrations
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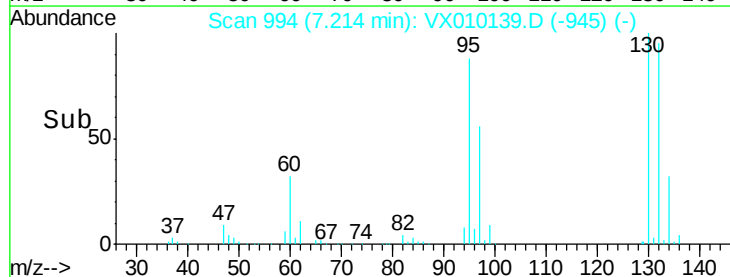
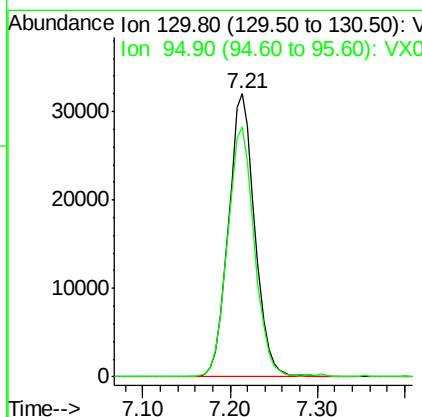
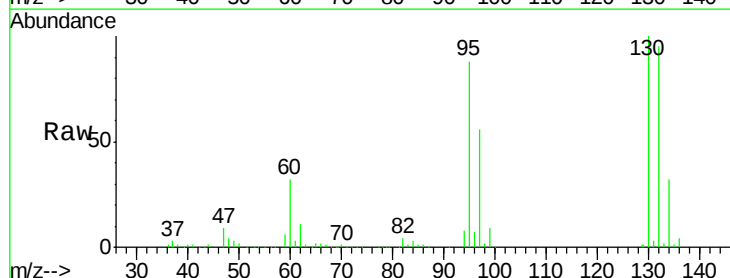
MMDadoda
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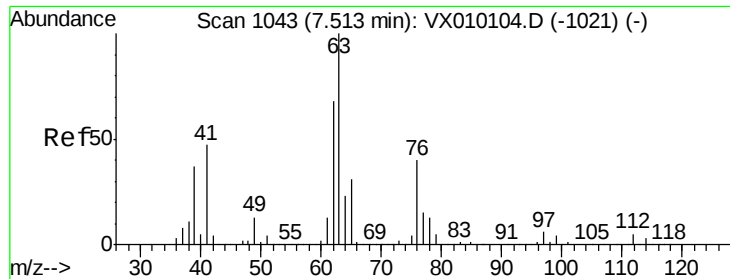


#44

Trichloroethene
 Concen: 19.623 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010139.D
 Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.2	0.0	207.4





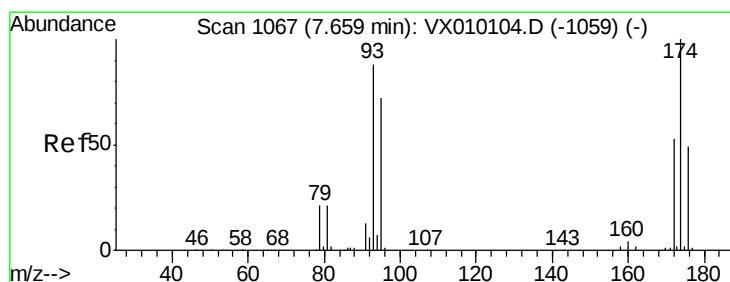
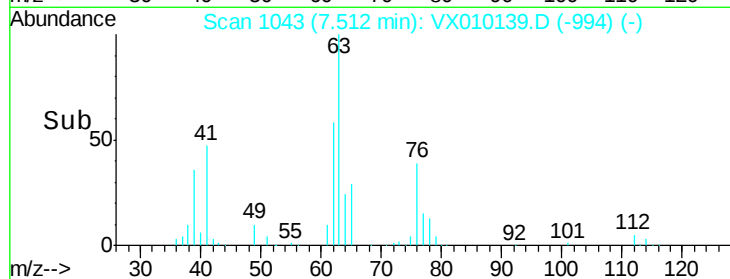
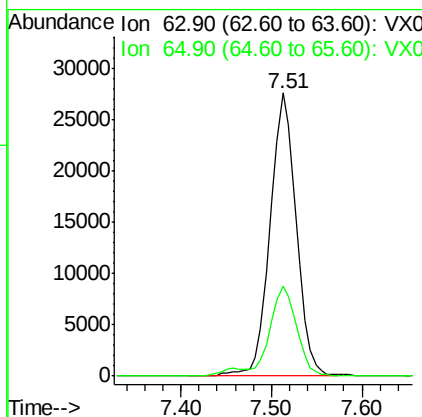
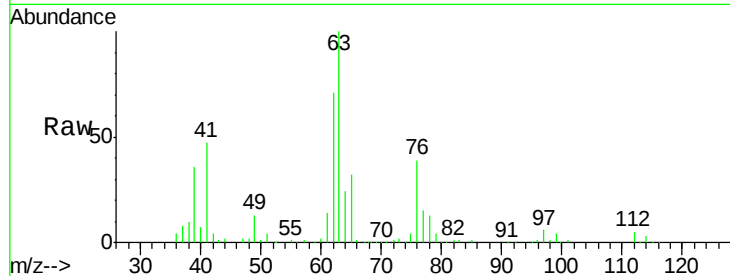
#45
 1,2-Dichloropropane
 Concen: 19.490 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010139.D
 Acq: 08 Jun 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBS01

Tot Ion: 63 Resp: 55380
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.7 38.5

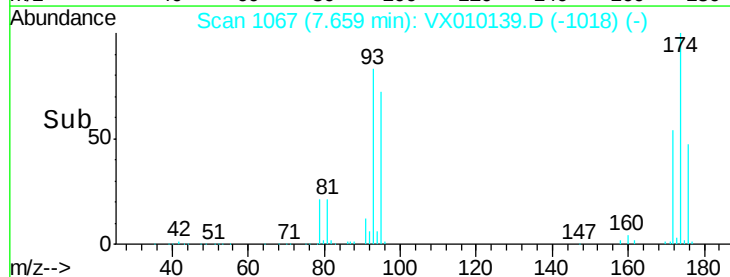
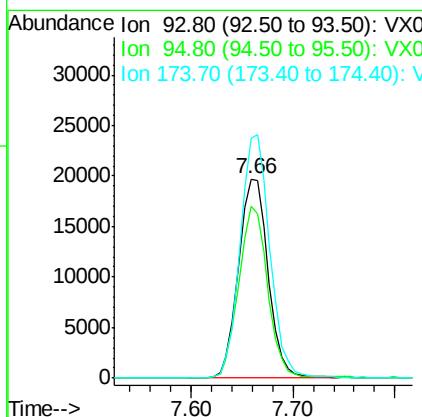
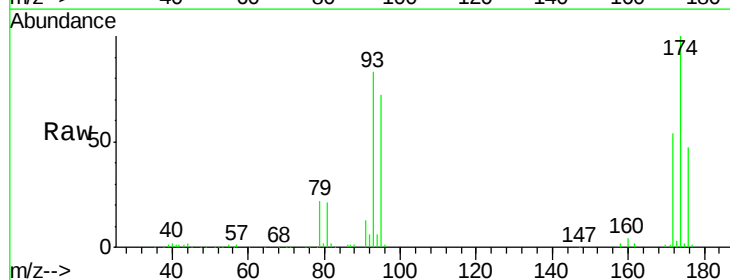
Manual Integrations
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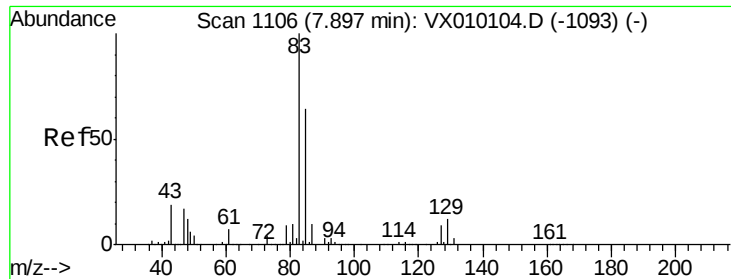
MMDadoda
 6/10/2019 9:40:25 AM



#46
 Dibromomethane
 Concen: 18.701 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010139.D
 Acq: 08 Jun 2019 15:33

Tgt Ion: 93 Resp: 39810
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.8 100.2
 174 121.7 81.9 122.9





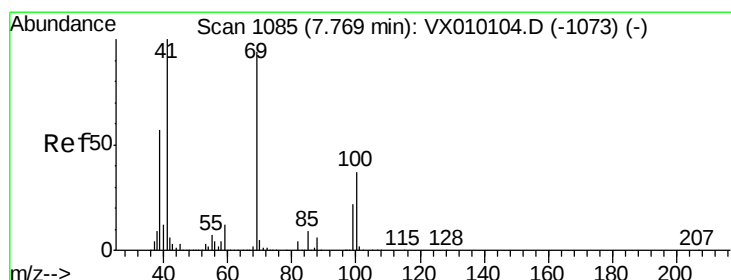
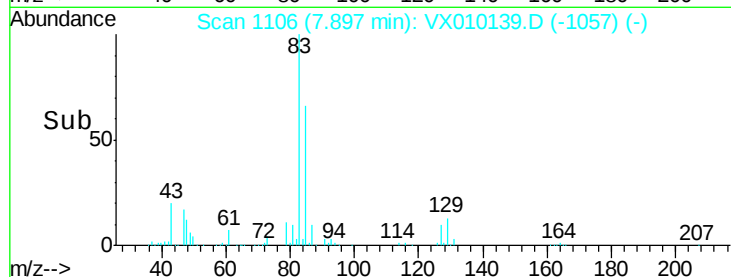
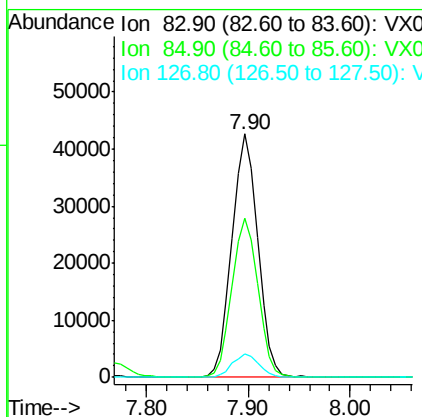
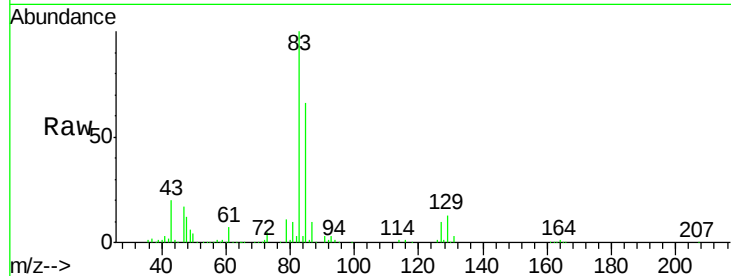
#47
Bromodichloromethane
Concen: 18.785 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.2
127	9.9	6.4	9.6#

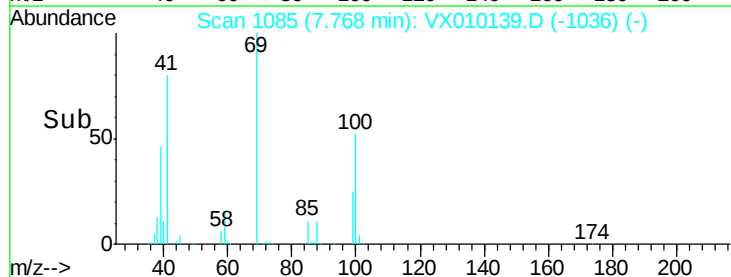
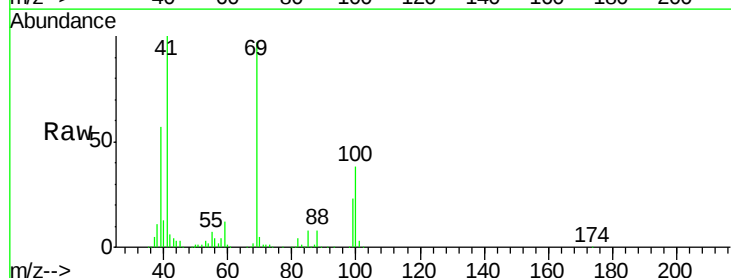
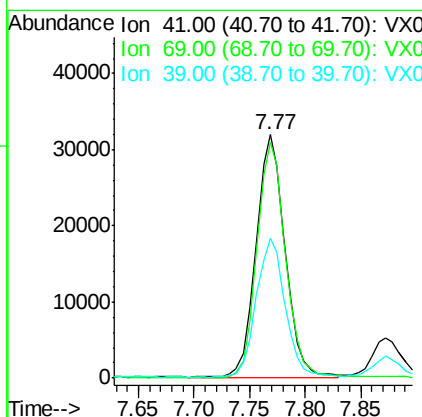
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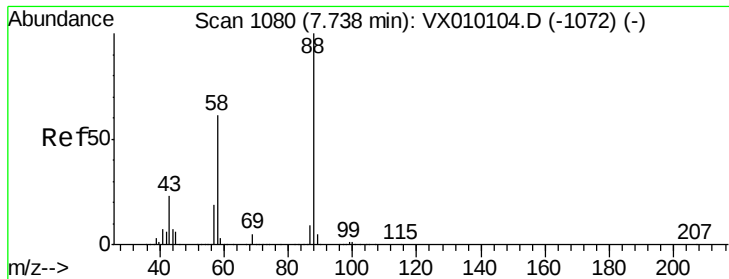
MMDadoda
6/10/2019 9:40:25 AM



#48
Methyl methacrylate
Concen: 19.357 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.4	56.4	84.6#
39	57.2	40.6	60.8





#49

1,4-Dioxane

Concen: 422.757 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

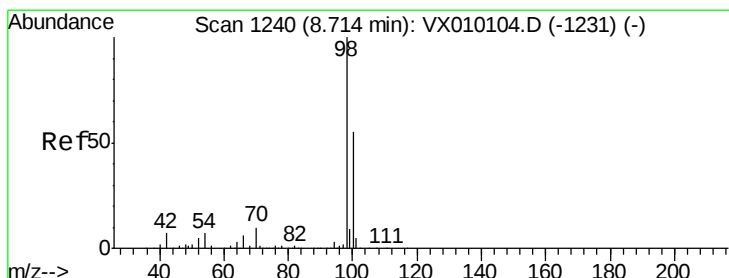
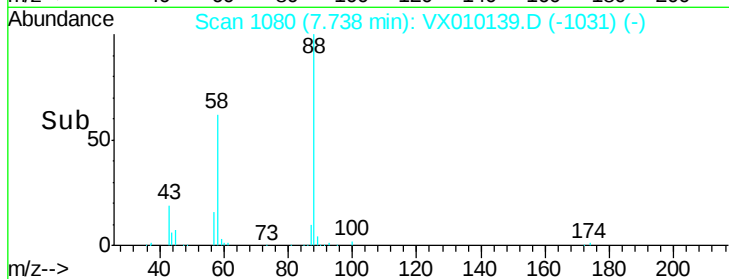
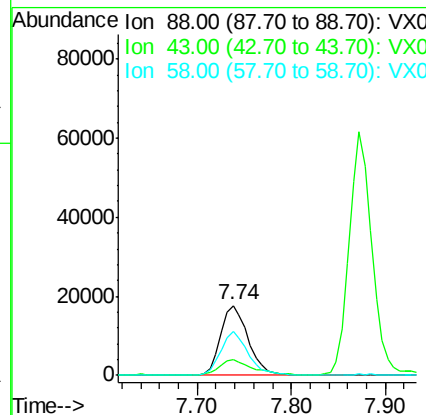
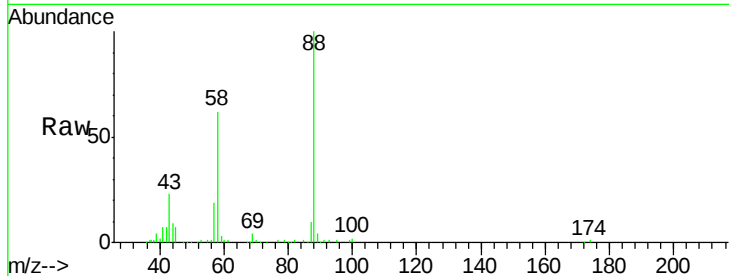
ClientSampleId :

VX0608WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.9	30.2	45.4#
58	62.2	64.0	96.0#

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#50

Toluene-d8

Concen: 51.337 ug/l

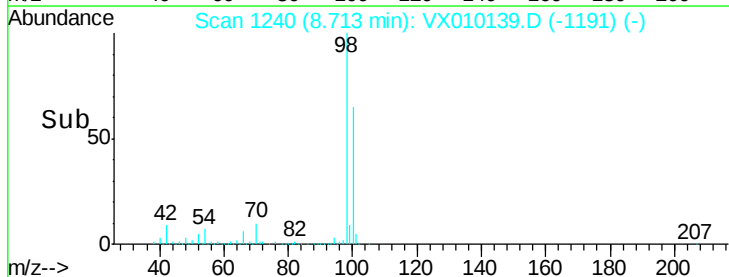
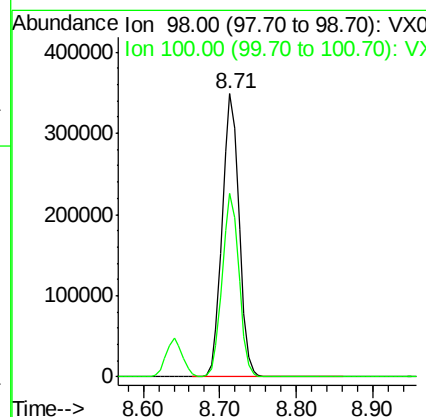
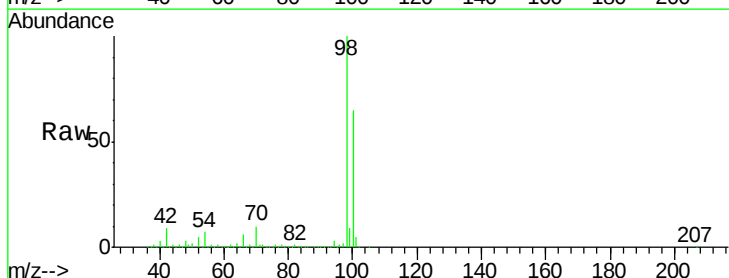
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 102.299 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion: 43 Resp: 390329

Ion Ratio Lower Upper

43 100

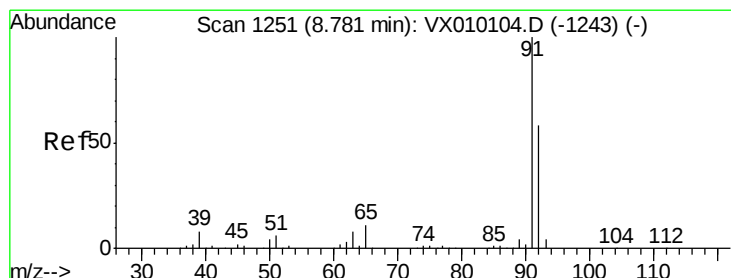
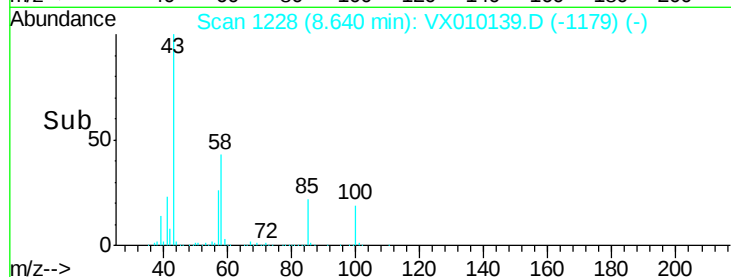
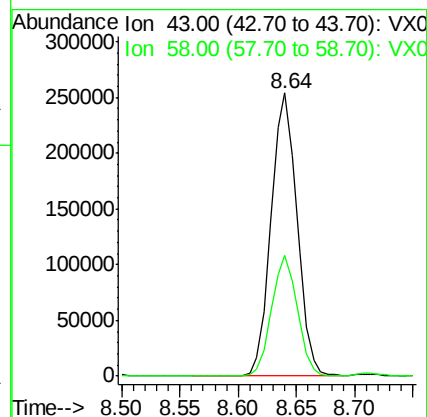
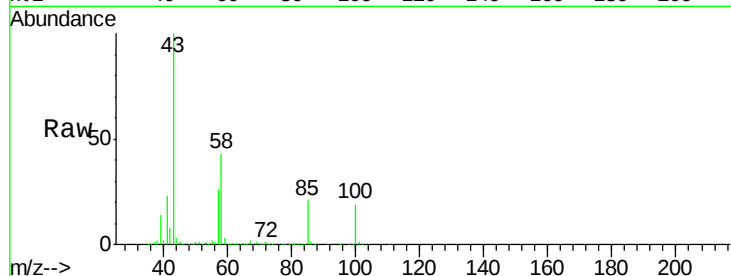
58 42.1 28.8 43.2

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#52

Toluene

Concen: 19.289 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010139.D

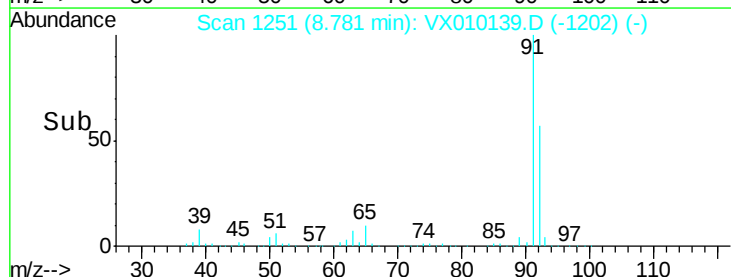
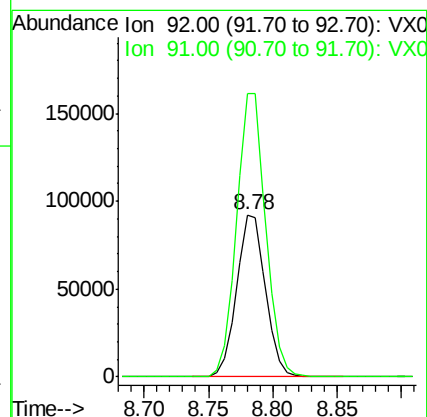
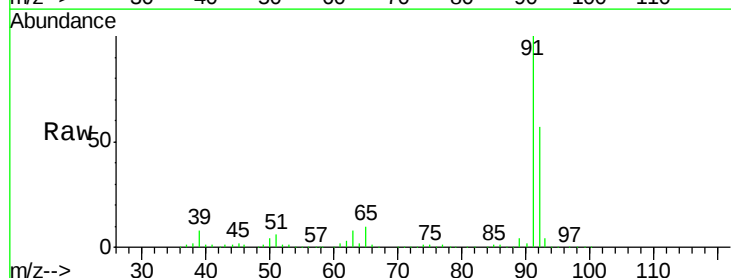
Acq: 08 Jun 2019 15:33

Tgt Ion: 92 Resp: 143946

Ion Ratio Lower Upper

92 100

91 175.6 139.9 209.9





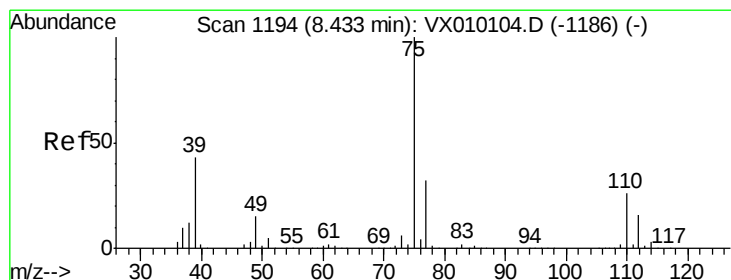
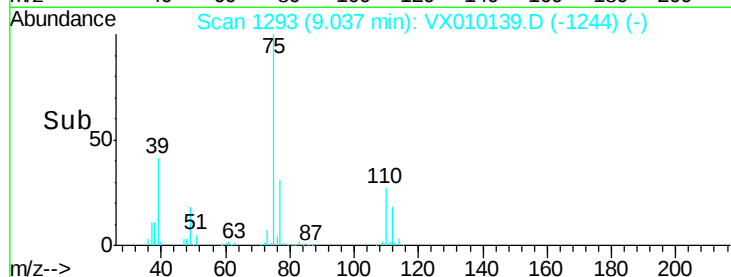
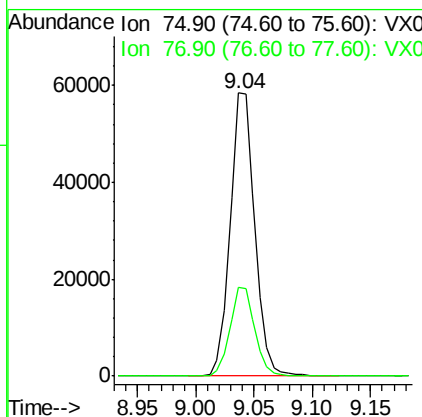
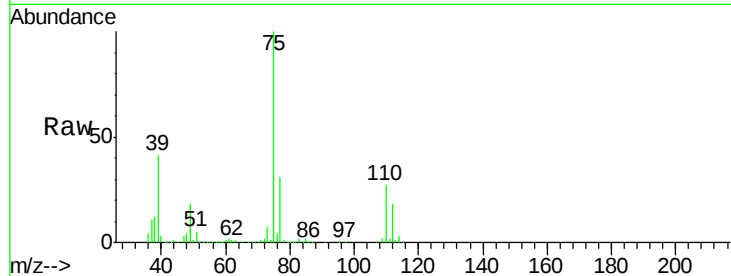
#53
t-1,3-Dichloropropene
Concen: 18.698 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion: 75 Resp: 86030
Ion Ratio Lower Upper
75 100
77 31.1 24.6 36.8

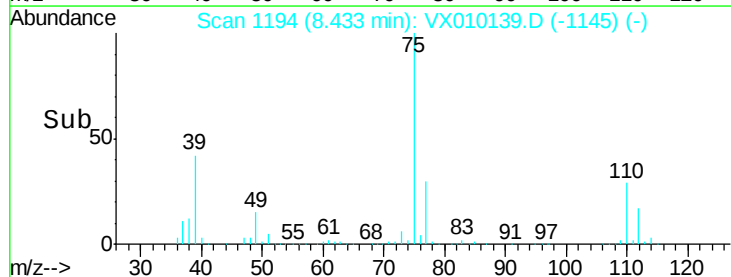
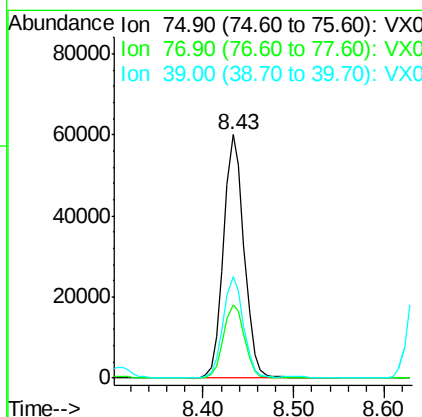
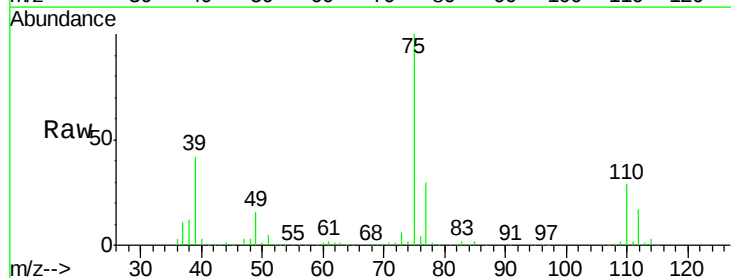
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#54
cis-1,3-Dichloropropene
Concen: 19.232 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion: 75 Resp: 94861
Ion Ratio Lower Upper
75 100
77 30.3 24.8 37.2
39 41.7 43.4 65.0#





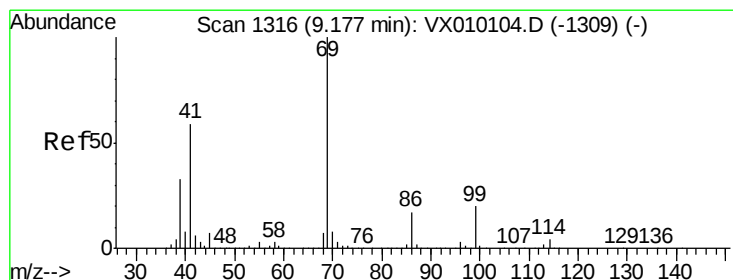
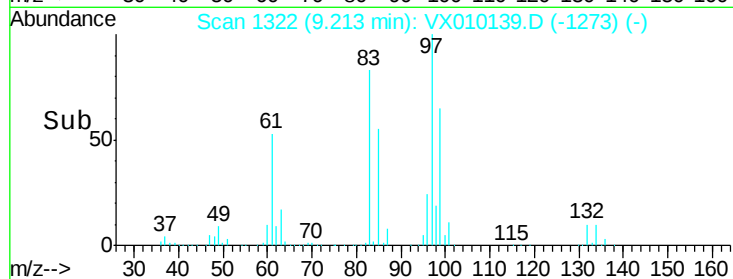
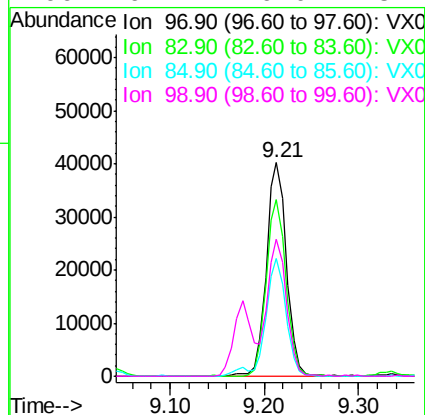
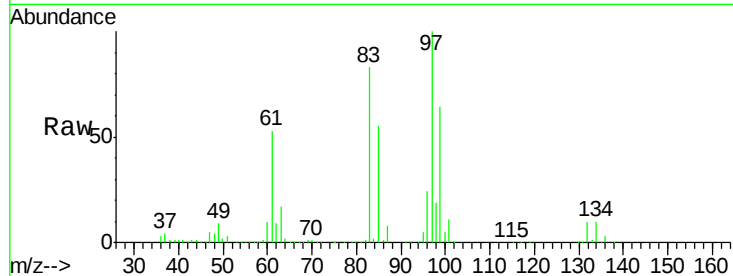
#55
 1,1,2-Trichloroethane
 Concen: 19.887 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010139.D
 Acq: 08 Jun 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		60779		
83	82.5	69.8	104.8		
85	54.9	45.3	67.9		
99	64.4	49.0	73.4		

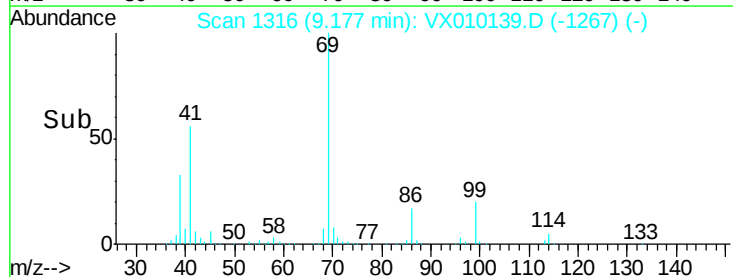
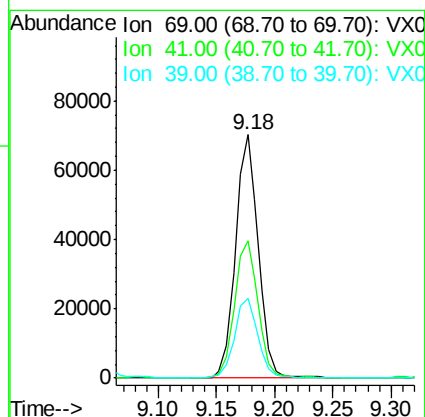
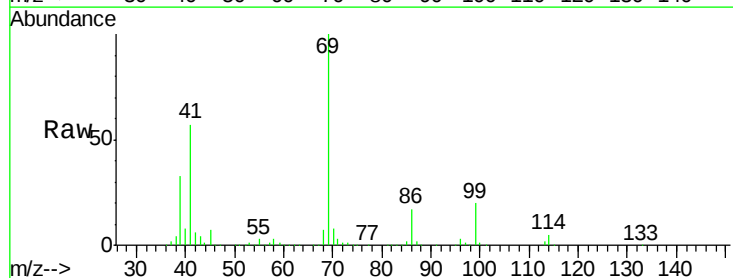
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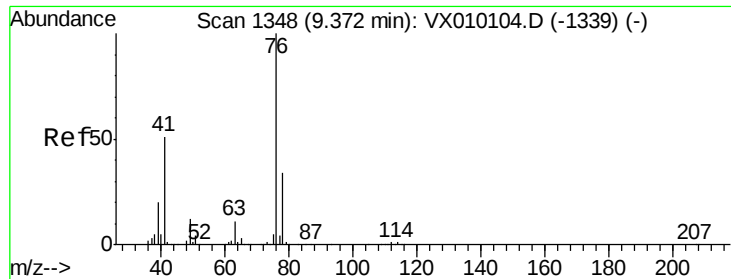
MMDadoda
 6/10/2019 9:40:25 AM



#56
 Ethyl methacrylate
 Concen: 19.814 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010139.D
 Acq: 08 Jun 2019 15:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		95658		
41	57.1	62.7	94.1#		
39	32.9	29.5	44.3		





#57

1,3-Dichloropropane

Concen: 19.325 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion: 76 Resp: 92986

Ion Ratio Lower Upper

76 100

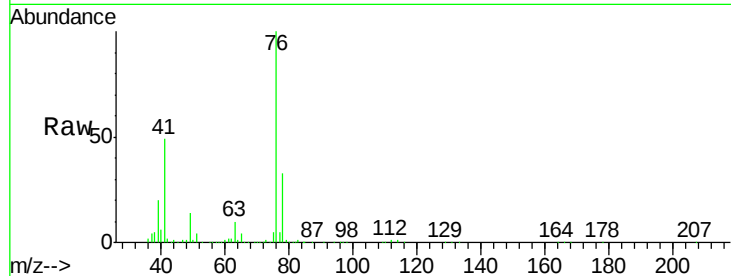
78 32.9 25.4 38.0

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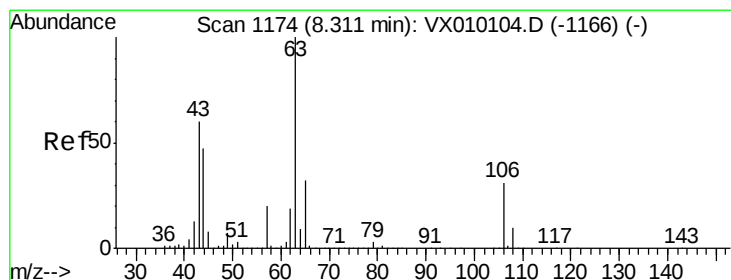
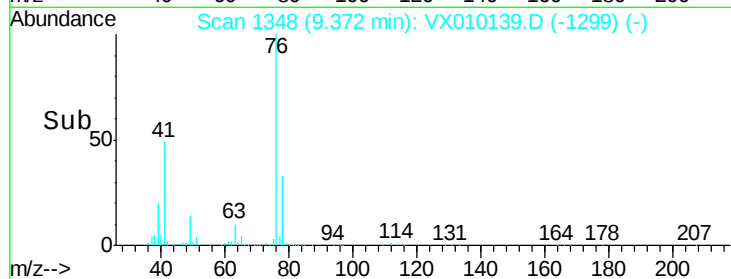
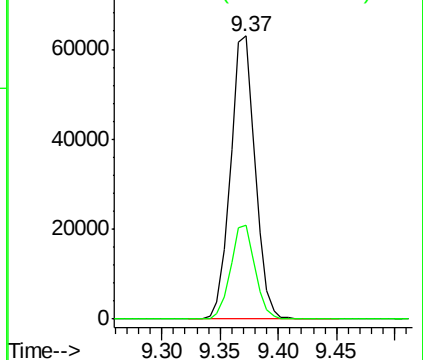
MMDadoda

6/10/2019 9:40:25 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 98.176 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010139.D

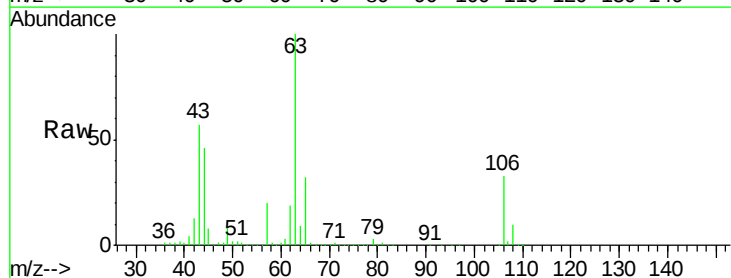
Acq: 08 Jun 2019 15:33

Tgt Ion: 63 Resp: 223443

Ion Ratio Lower Upper

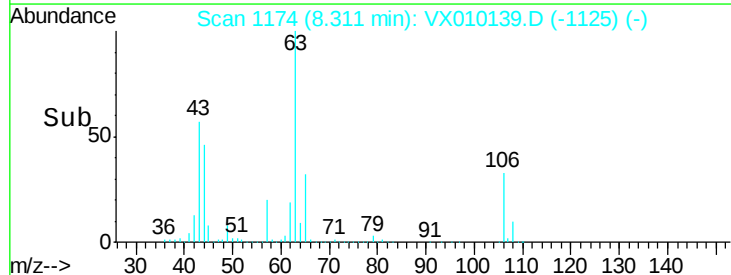
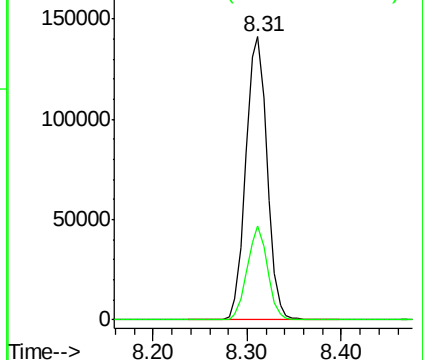
63 100

106 31.8 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





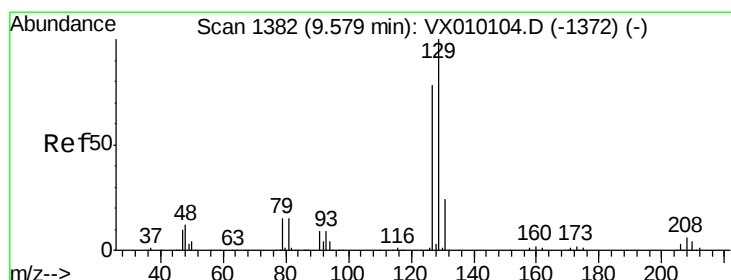
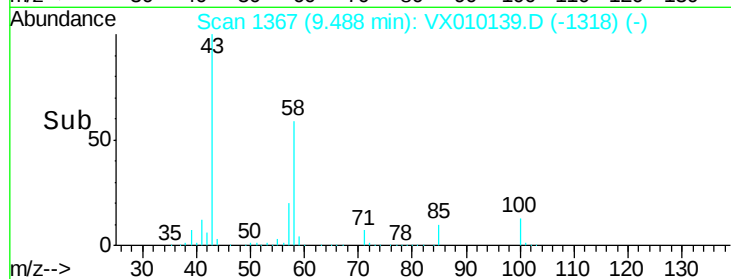
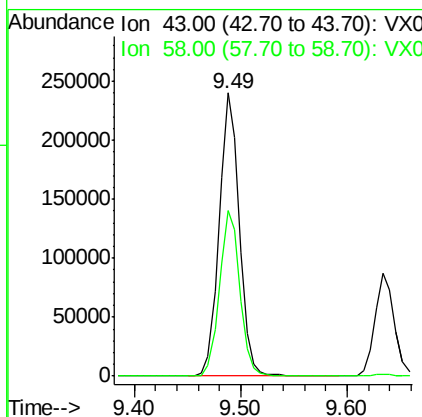
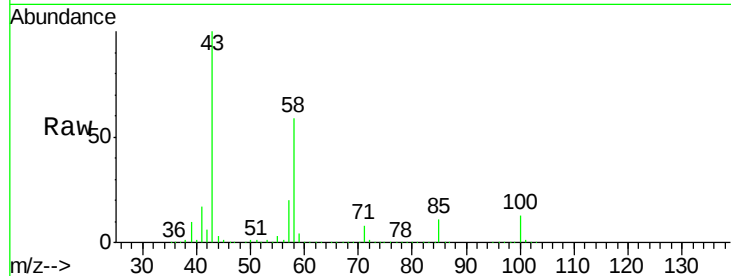
#59
2-Hexanone
Concen: 103.814 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.2	25.1	75.3

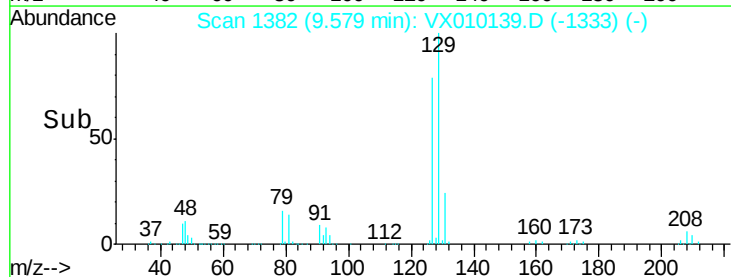
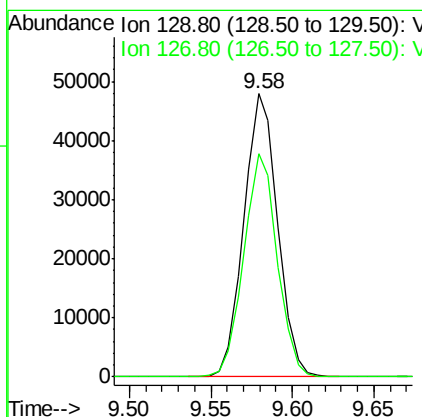
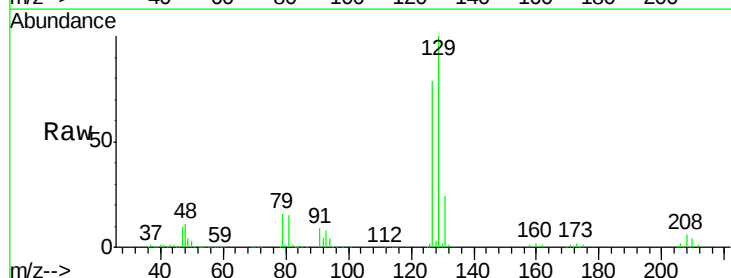
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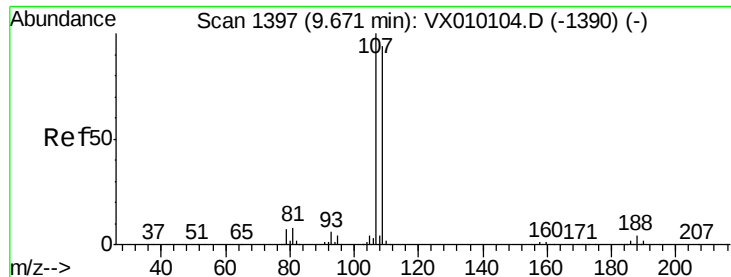
MMDadoda
6/10/2019 9:40:25 AM



#60
Dibromochloromethane
Concen: 19.096 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.450 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion:107 Resp: 66204

Ion Ratio Lower Upper

107 100

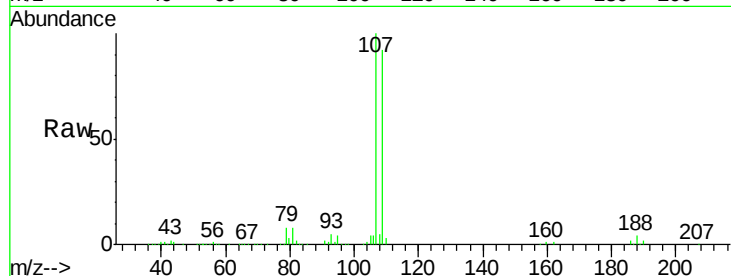
109 93.5 75.4 113.2

Manual Integrations

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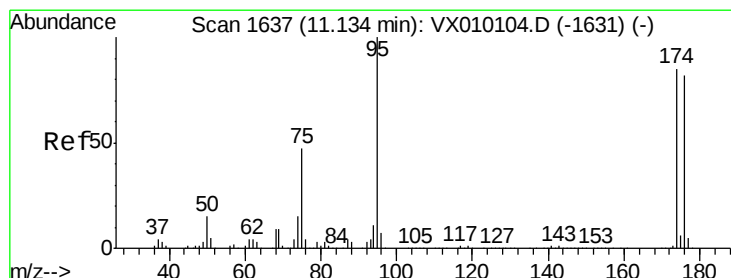
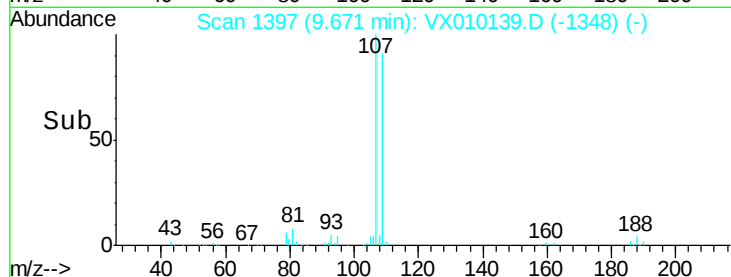
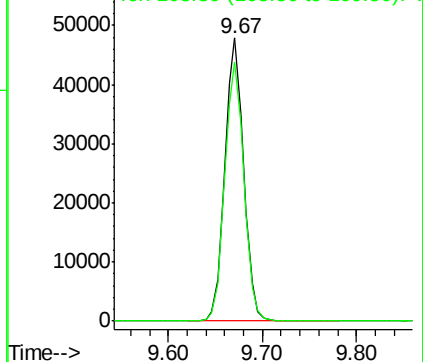
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.361 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

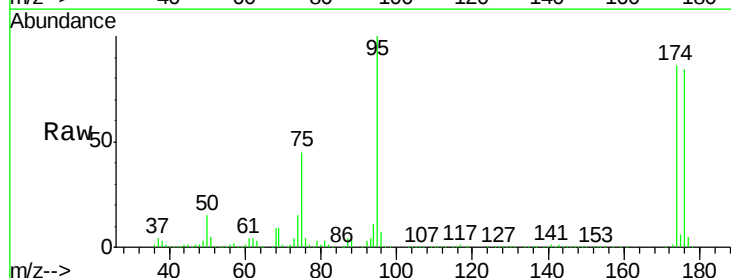
Tgt Ion: 95 Resp: 195659

Ion Ratio Lower Upper

95 100

174 90.6 0.0 160.4

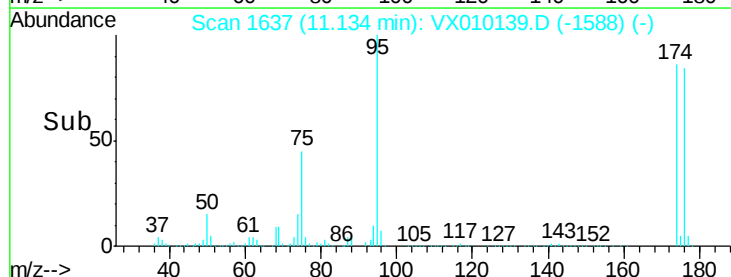
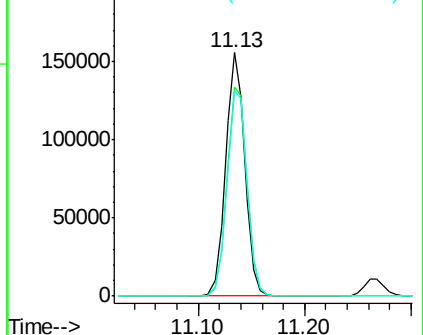
176 88.4 0.0 154.6

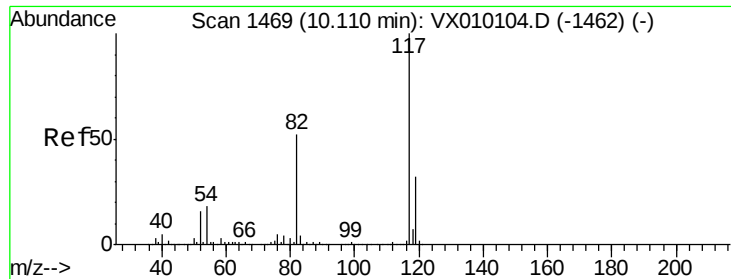


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





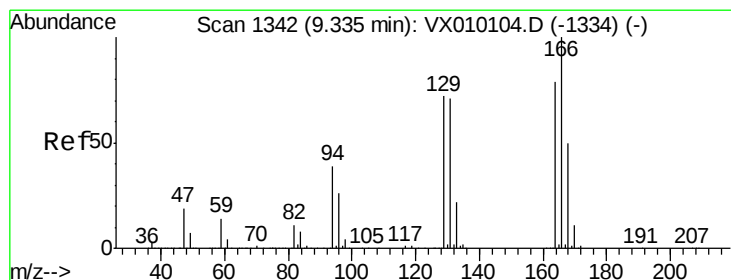
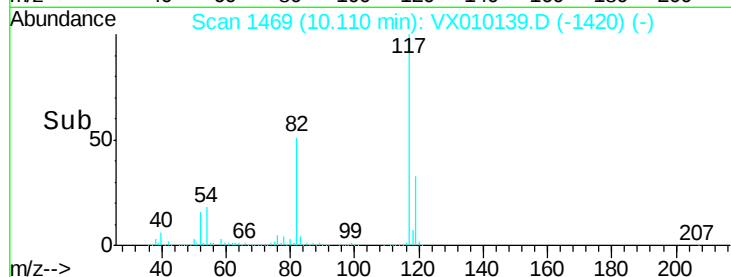
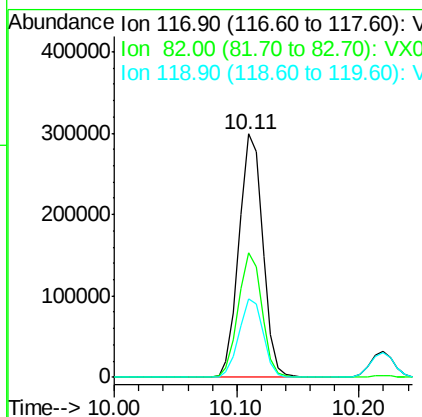
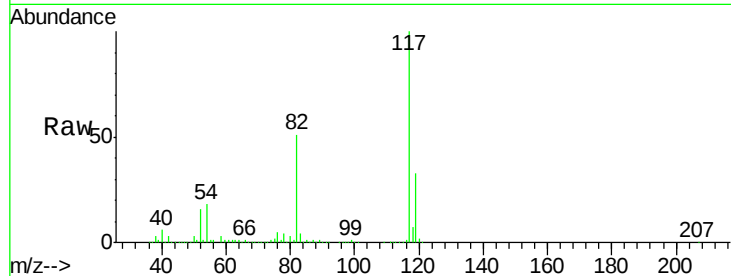
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	401814		
82	51.2	49.2	73.8	
119	32.5	25.2	37.8	

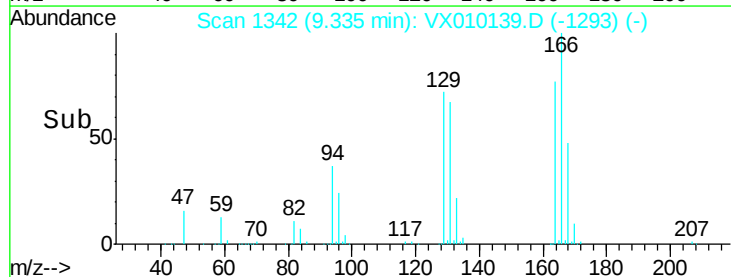
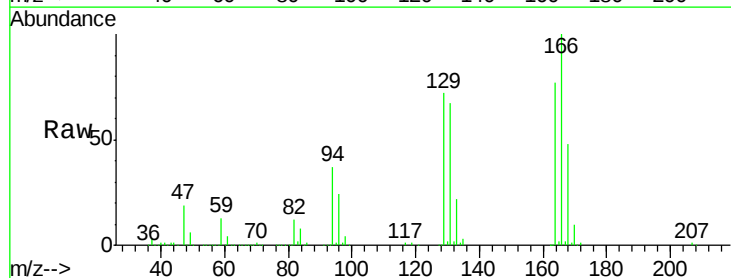
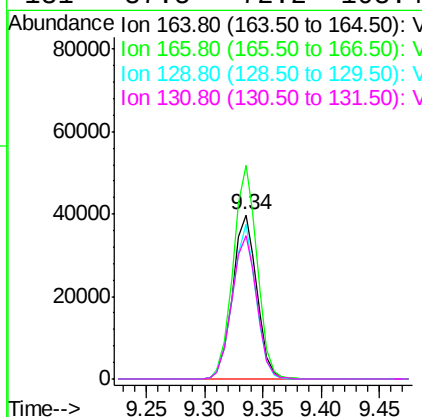
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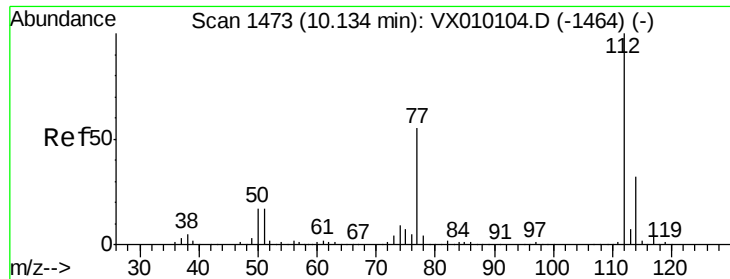
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#64
Tetrachloroethene
Concen: 19.274 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57519		
166	130.4	105.0	157.4	
129	94.5	75.1	112.7	
131	87.5	72.2	108.4	





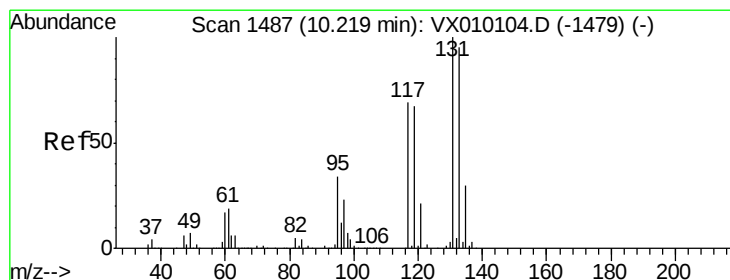
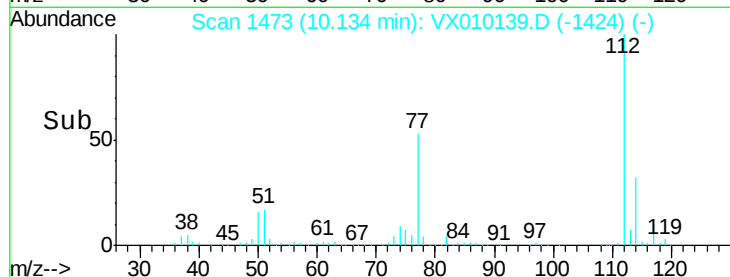
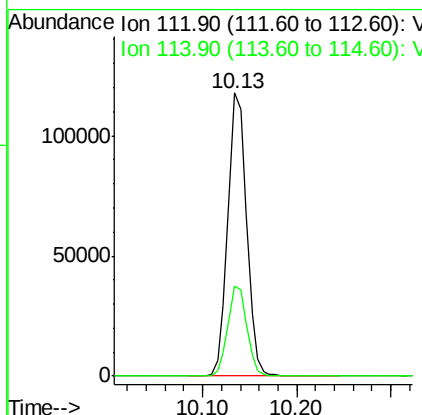
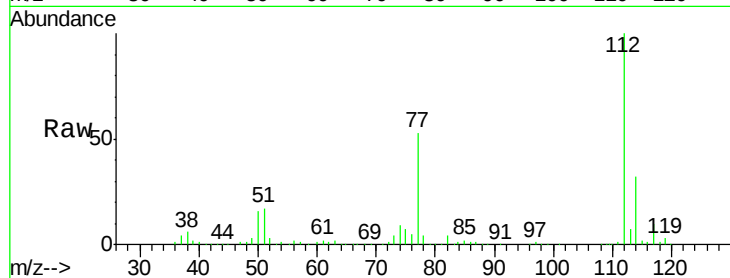
#65
Chlorobenzene
Concen: 19.829 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion:112 Resp: 164442
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

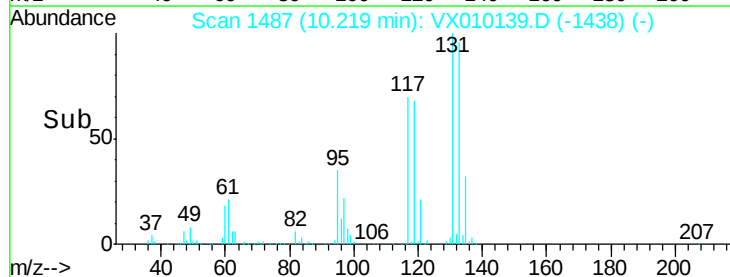
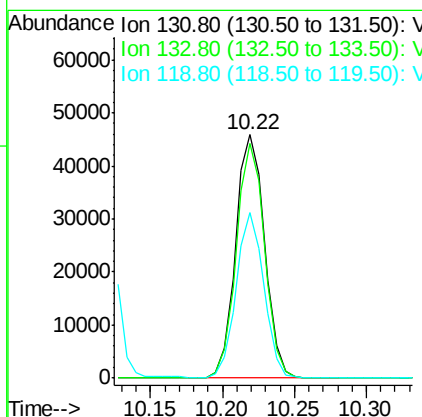
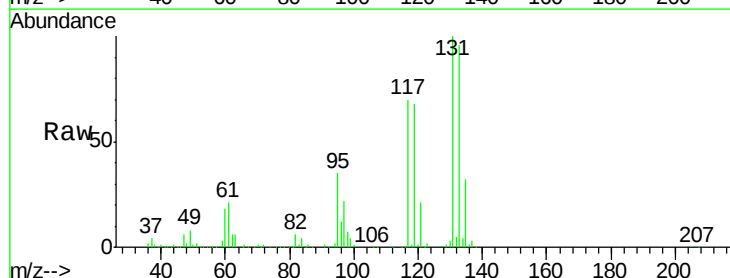
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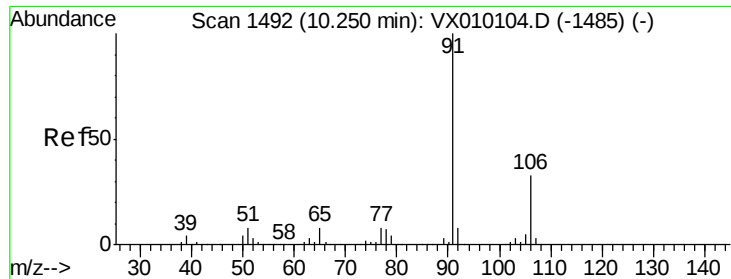
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.096 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion:131 Resp: 64091
Ion Ratio Lower Upper
131 100
133 94.3 47.5 142.6
119 65.4 33.4 100.1





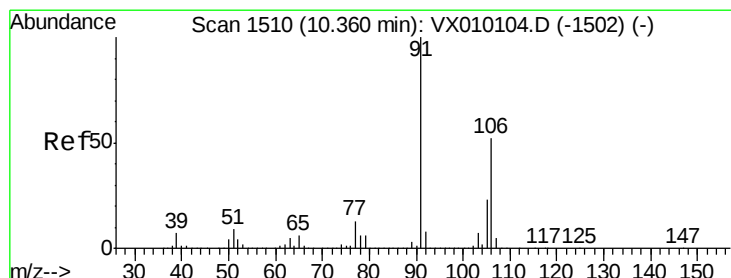
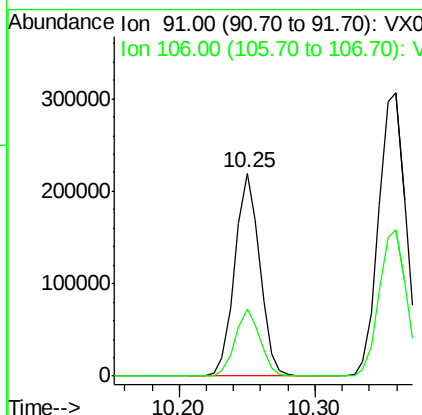
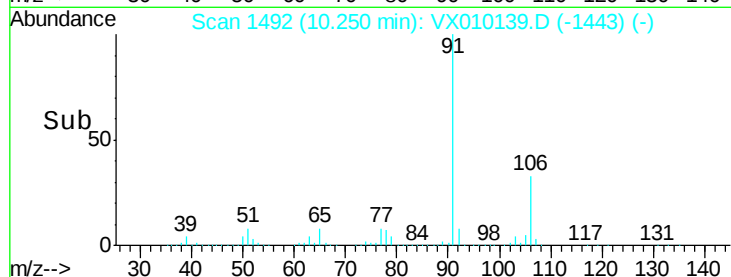
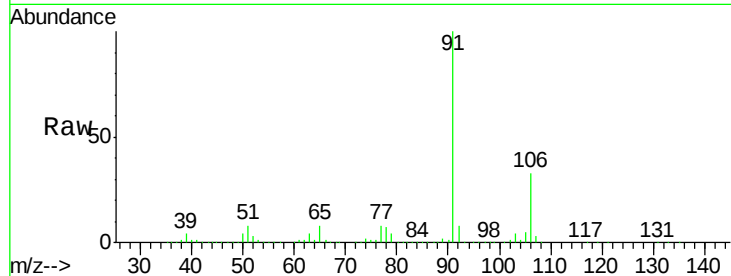
#67
Ethyl Benzene
Concen: 19.843 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion: 91 Resp: 280145
Ion Ratio Lower Upper
91 100
106 33.0 23.9 35.9

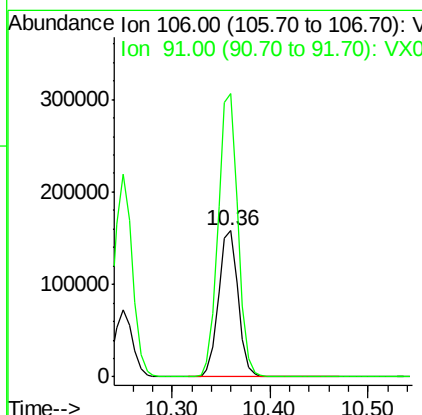
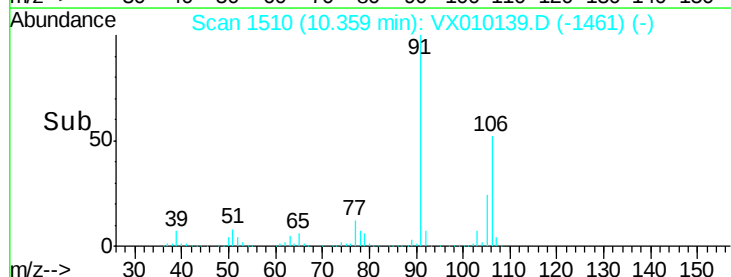
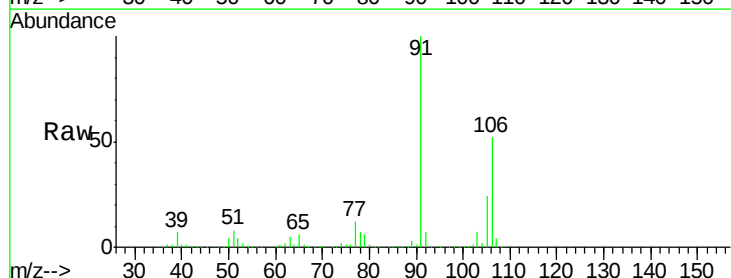
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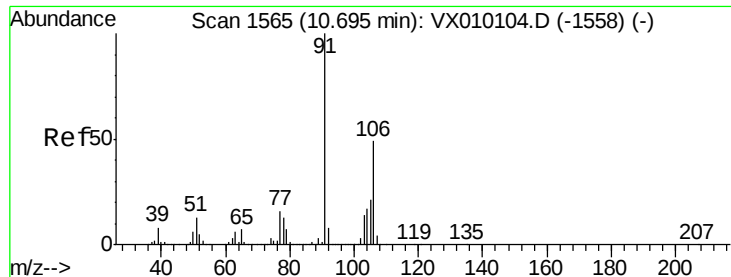
MMDadoda
6/10/2019 9:40:25 AM



#68
m/p-Xylenes
Concen: 40.069 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion: 106 Resp: 218902
Ion Ratio Lower Upper
106 100
91 194.9 167.3 250.9





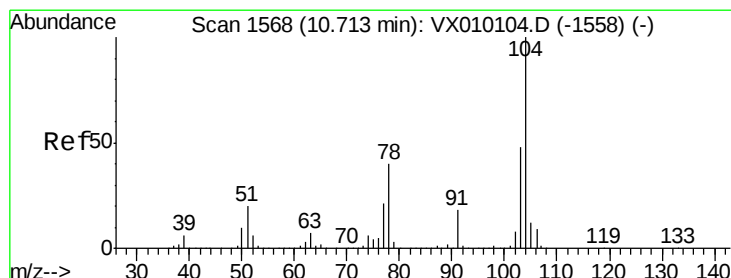
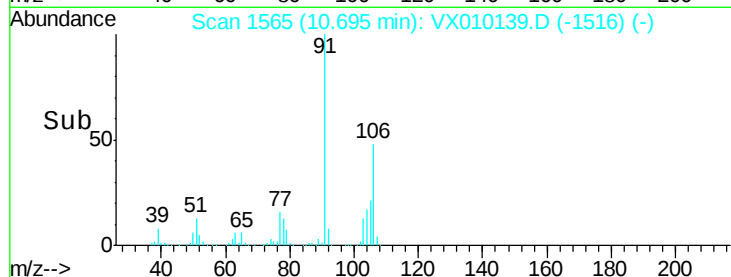
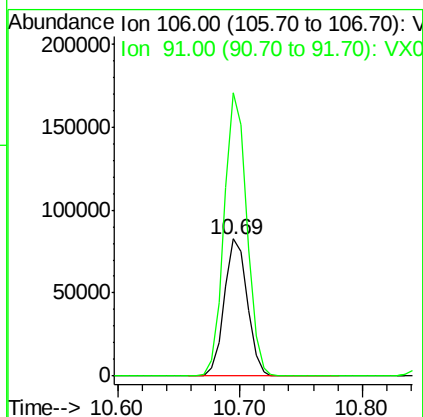
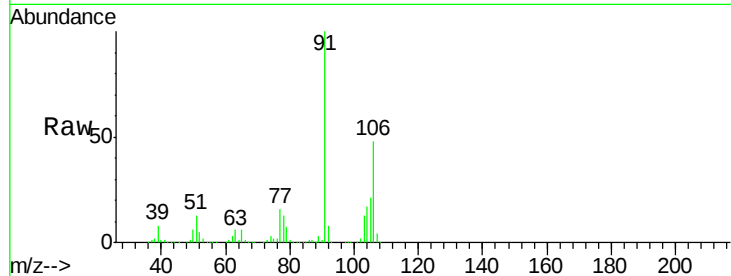
#69
o-Xylene
Concen: 19.821 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	107641		
91	91	202.5	110.4	331.2	

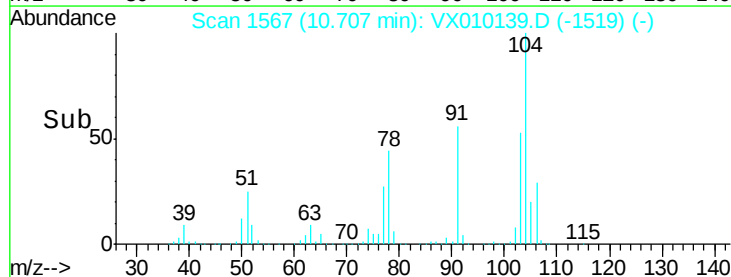
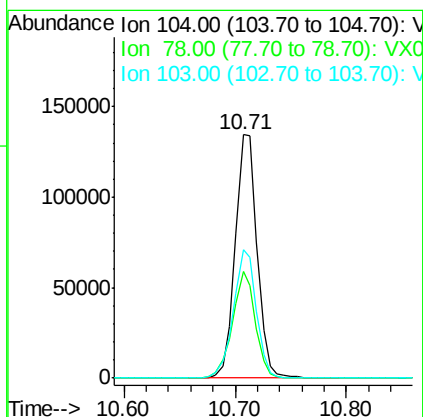
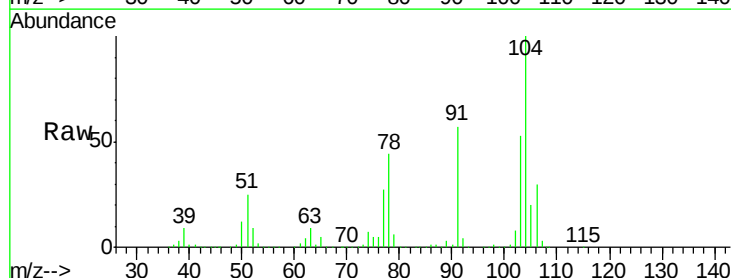
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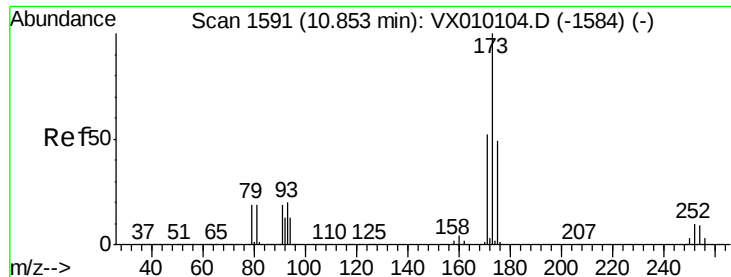
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#70
Styrene
Concen: 19.895 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	182991		
78	78	45.8	42.1	63.1	
103	103	55.2	44.1	66.1	





#71

Bromoform

Concen: 19.721 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion:173 Resp: 57820

Ion Ratio Lower Upper

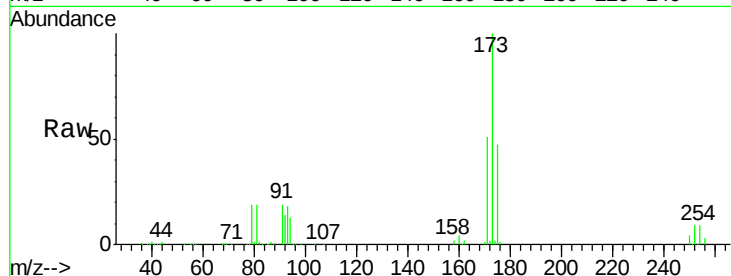
173 100

175 48.5 25.0 75.0

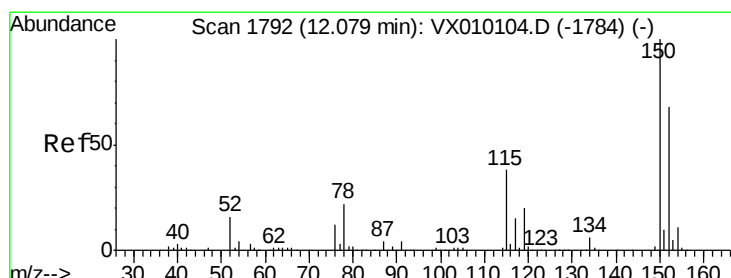
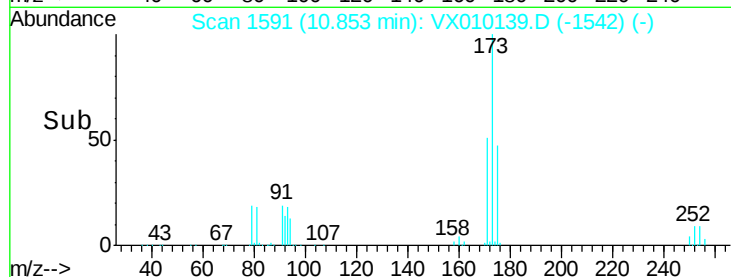
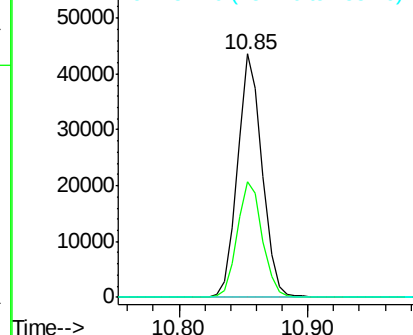
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

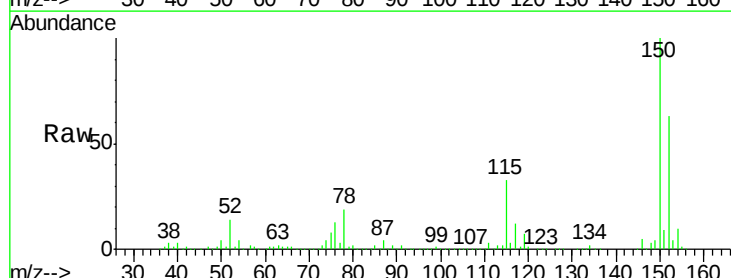
Tgt Ion:152 Resp: 209688

Ion Ratio Lower Upper

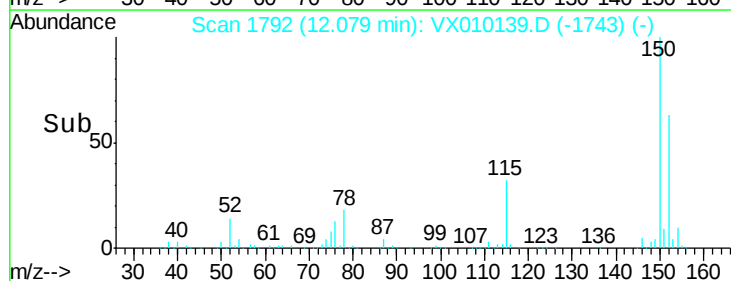
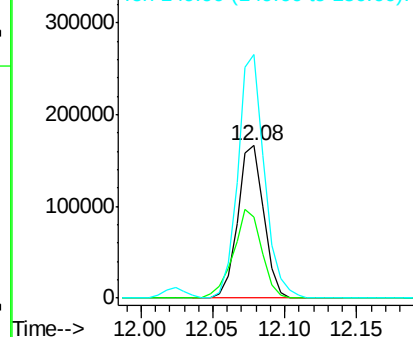
152 100

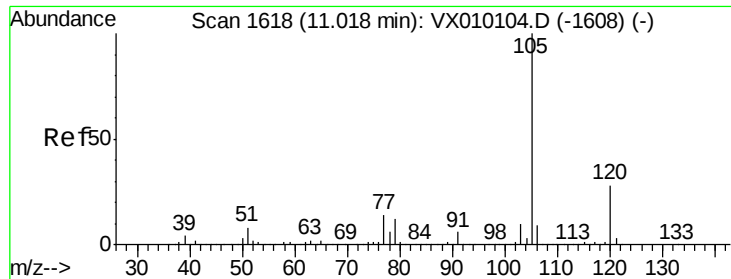
115 63.0 41.4 124.2

150 163.2 0.0 345.2



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





#73

Isopropylbenzene

Concen: 19.398 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion:105 Resp: 283941

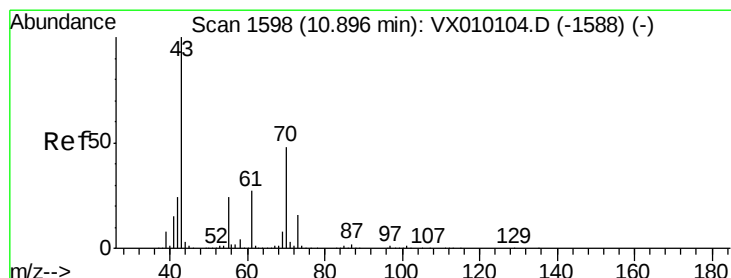
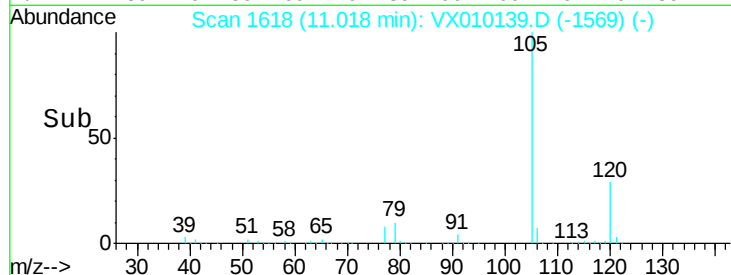
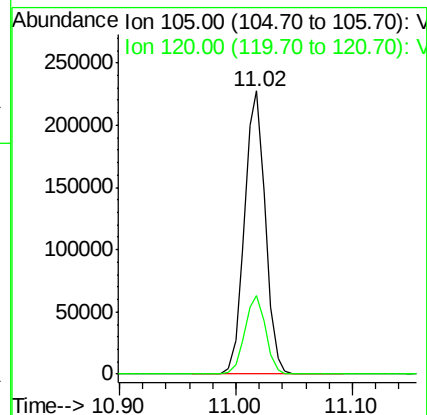
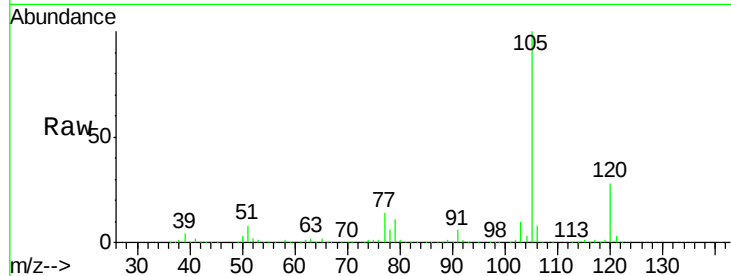
Ion Ratio Lower Upper

105 100

120 27.8 12.8 38.4

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#74

N-ethyl acetate

Concen: 19.352 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Tgt Ion: 43 Resp: 111975

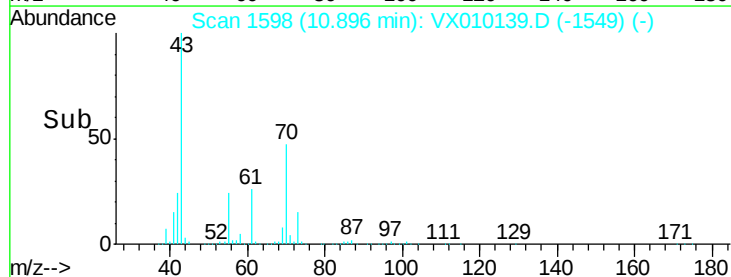
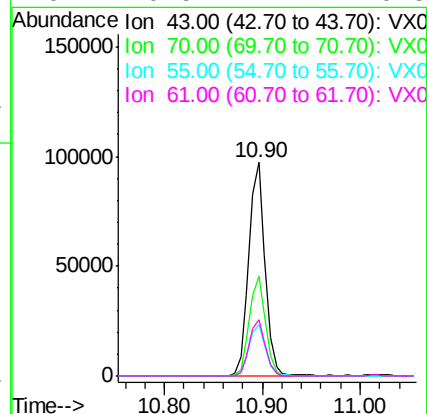
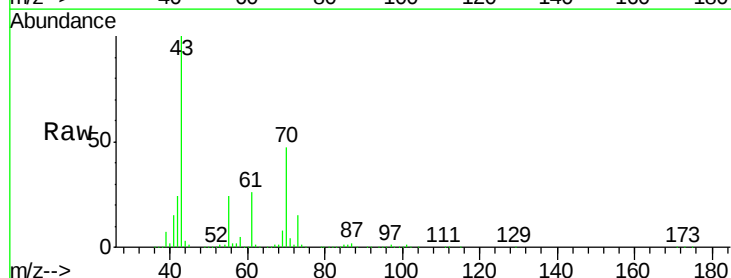
Ion Ratio Lower Upper

43 100

70 46.9 28.6 43.0#

55 24.2 17.8 26.8

61 26.5 17.7 26.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 19.266 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

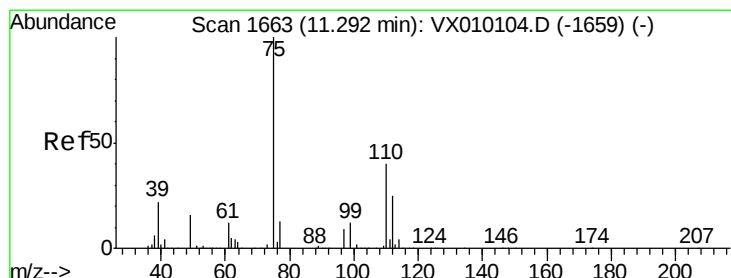
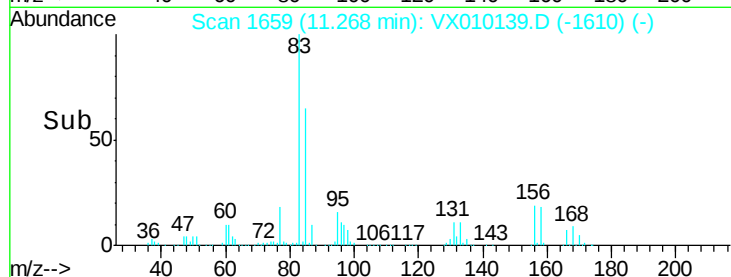
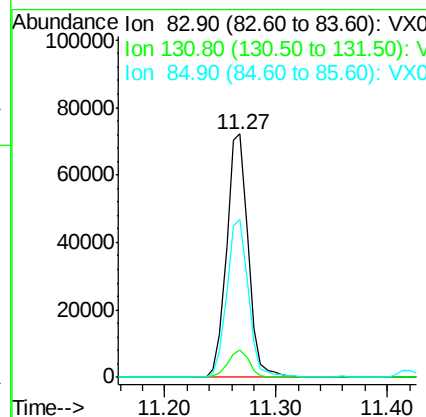
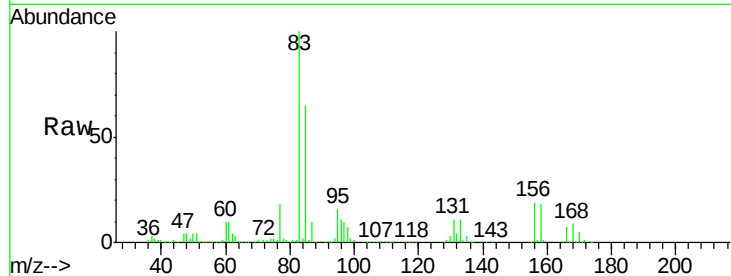
ClientSampleId :

VX0608WBS01

Tot Ion:	83	Resp:	96533
Ion Ratio	Lower	Upper	
83	100		
131	10.9	4.7	14.1
85	64.9	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 18.957 ug/l m

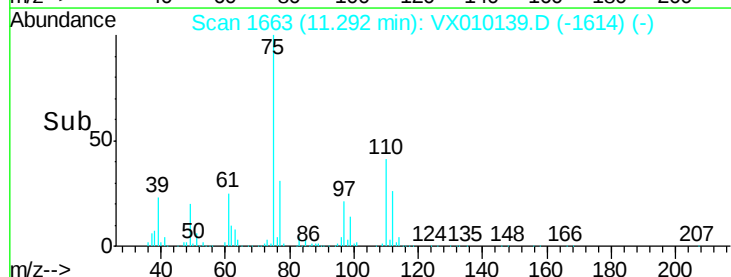
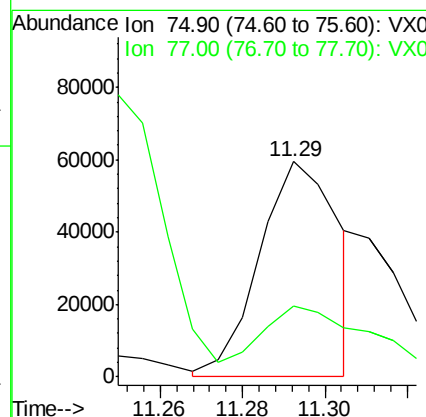
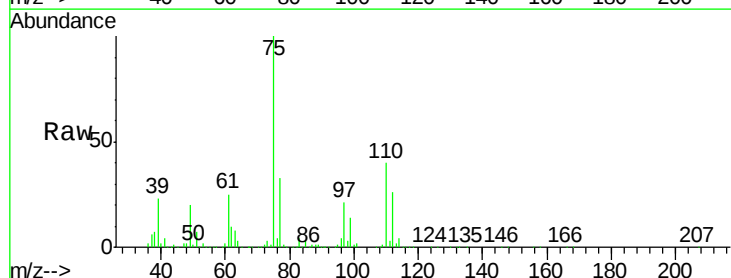
RT: 11.29 min Scan# 1663

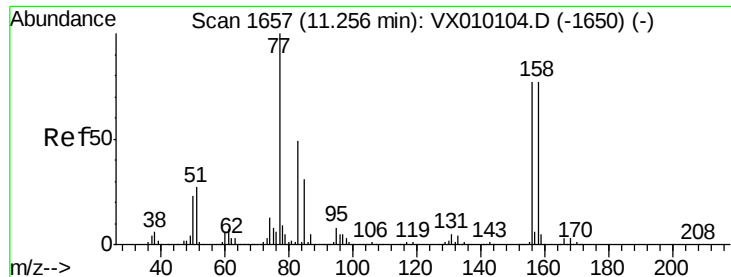
Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Tgt Ion:	75	Resp:	79507
Ion Ratio	Lower	Upper	
75	100		
77	46.2	22.1	66.1





#77

Bromobenzene

Concen: 19.195 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

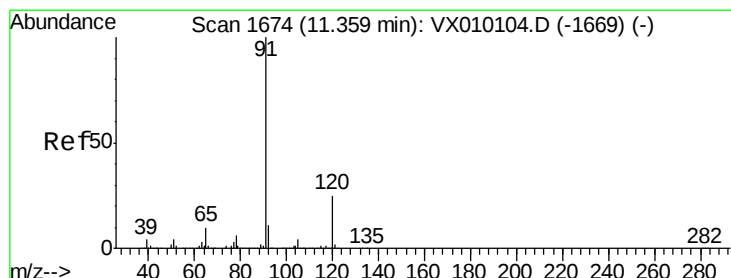
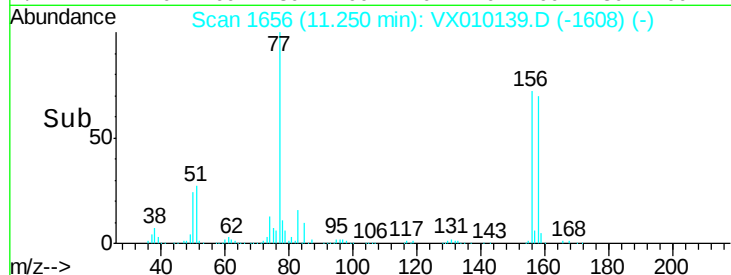
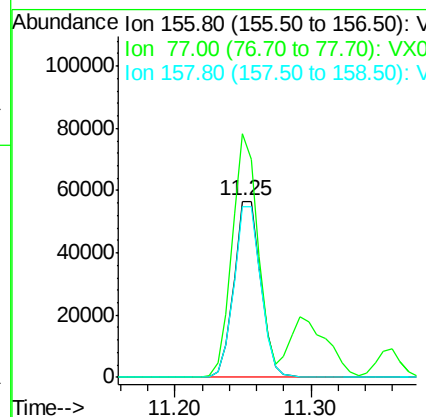
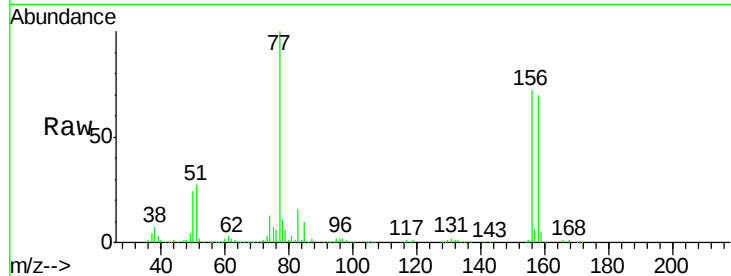
ClientSampleId :

VX0608WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.0	86.8	260.3
158	97.9	49.6	148.8

Manual Integrations
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6/10/2019 9:40:25 AM



#78

n-propylbenzene

Concen: 19.364 ug/l

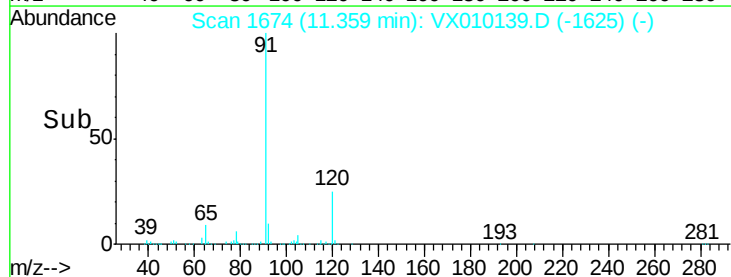
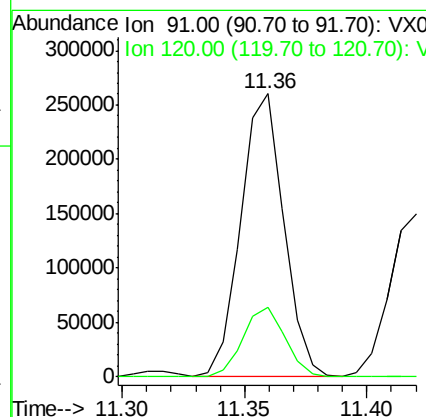
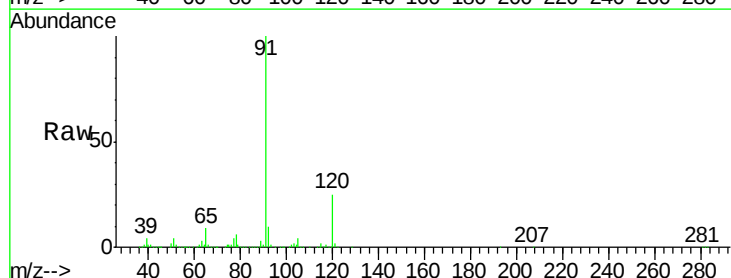
RT: 11.36 min Scan# 1674

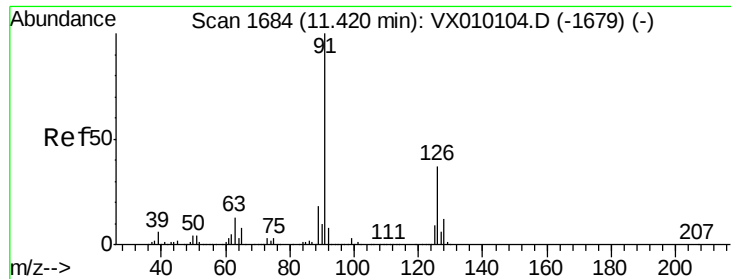
Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.065 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion: 91 Resp: 186591

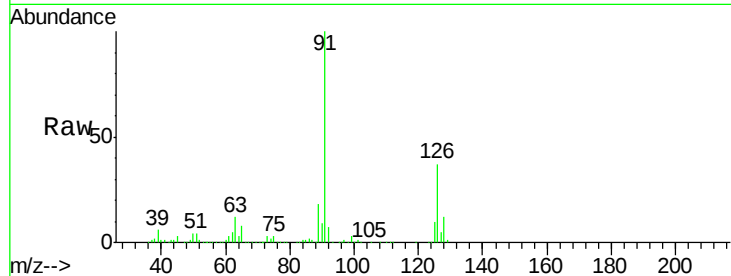
Ion Ratio Lower Upper

91 100

126 37.5 16.1 48.3

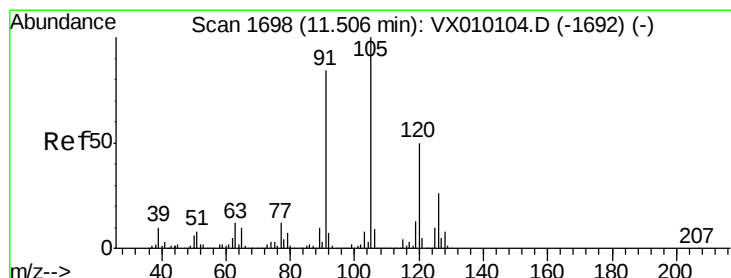
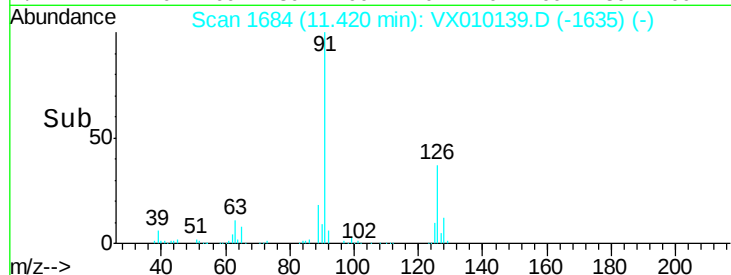
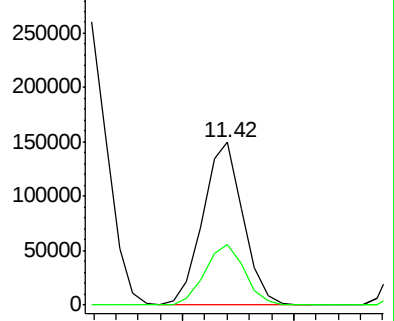
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX010104.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010104.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.355 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010139.D

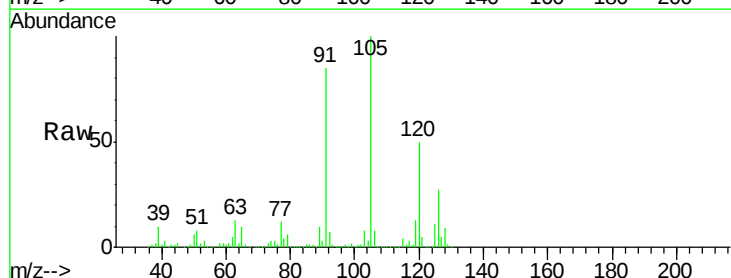
Acq: 08 Jun 2019 15:33

Tgt Ion: 105 Resp: 238618

Ion Ratio Lower Upper

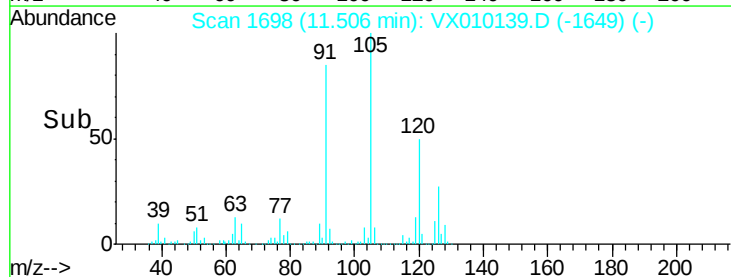
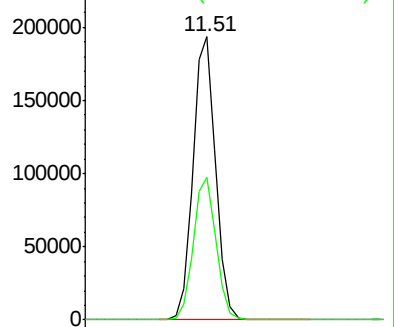
105 100

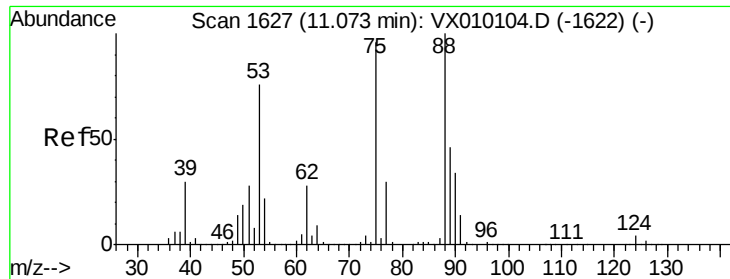
120 50.6 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010104.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010104.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.365 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBS01

Tot Ion: 75 Resp: 36761

Ion Ratio Lower Upper

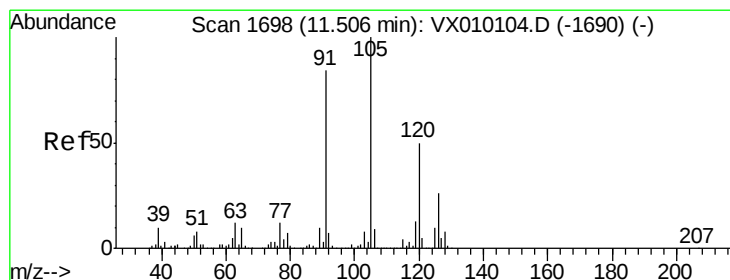
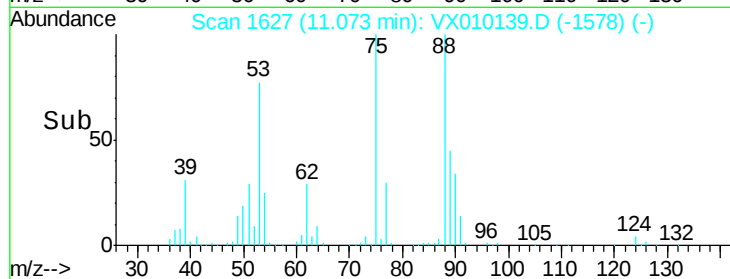
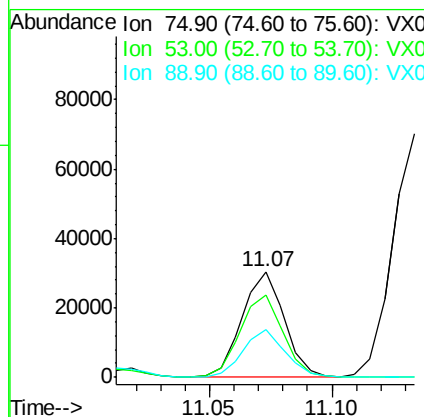
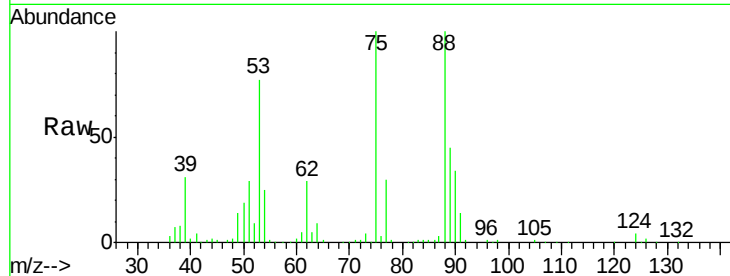
75 100

53 77.7 79.8 119.6#

89 45.1 34.2 51.4

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#82

4-Chlorotoluene

Concen: 19.111 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010139.D

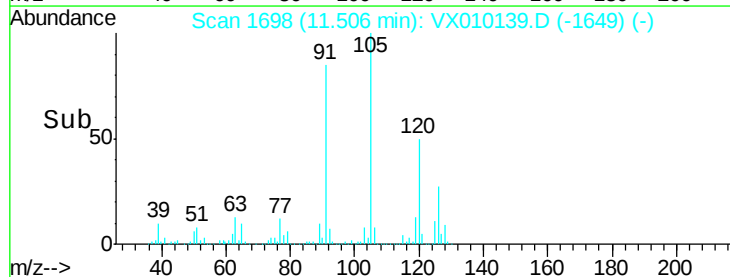
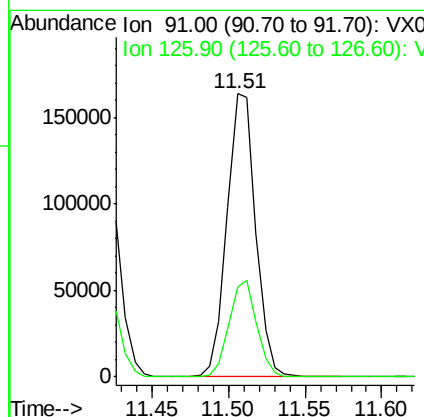
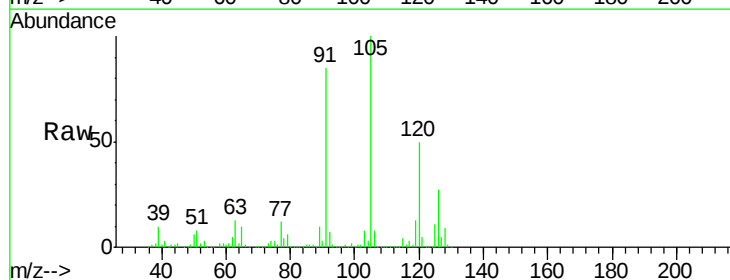
Acq: 08 Jun 2019 15:33

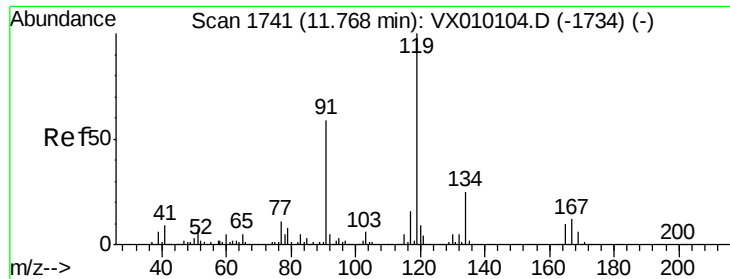
Tgt Ion: 91 Resp: 212481

Ion Ratio Lower Upper

91 100

126 32.9 14.2 42.6





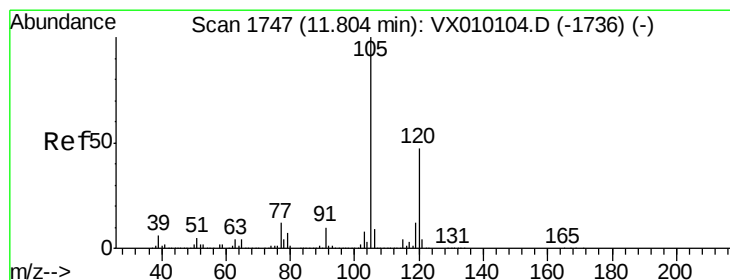
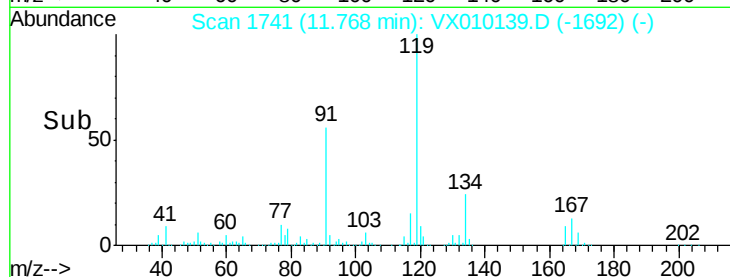
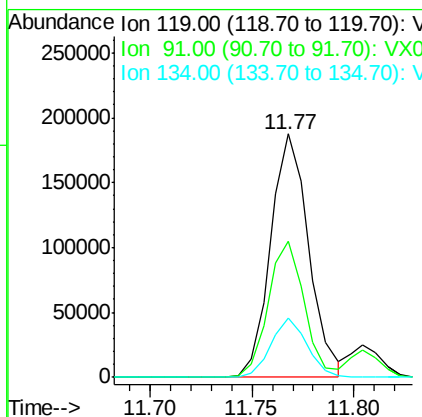
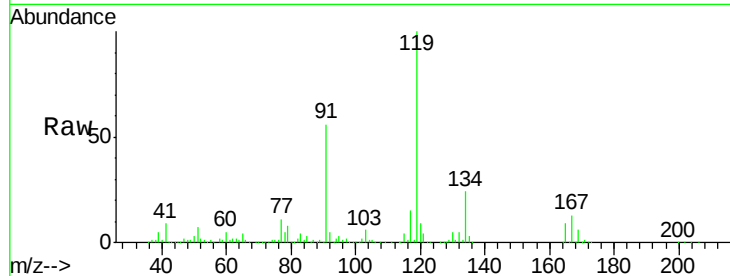
#83
 tert-Butylbenzene
 Concen: 19.546 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010139.D
 Acq: 08 Jun 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	243903		
91	53.2		30.0	90.0
134	23.1		11.2	33.5

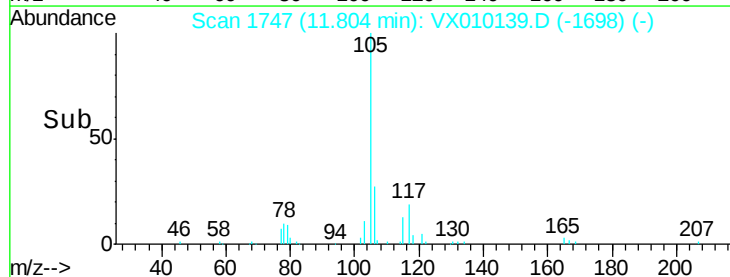
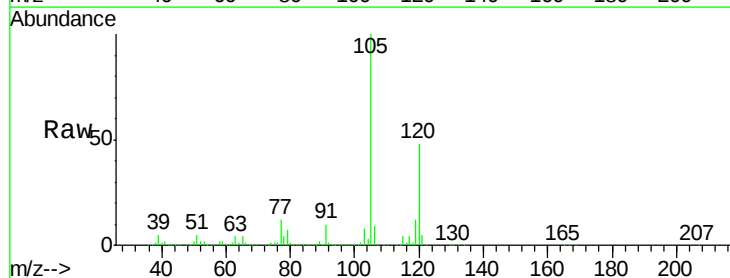
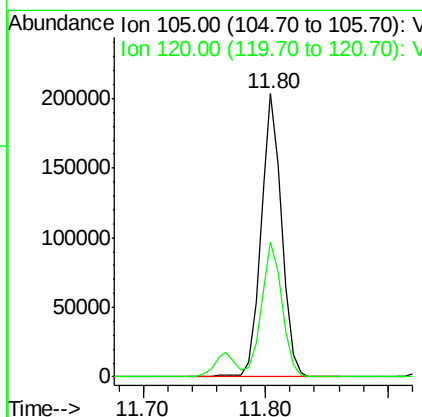
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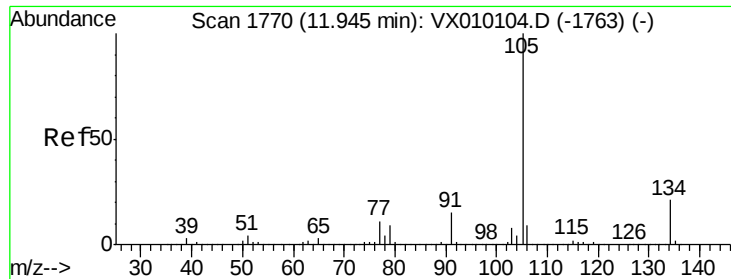
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.174 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010139.D
 Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	238772		
120	47.7		22.1	66.1





#85

sec-Butylbenzene

Concen: 19.170 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

ClientSampled :

VX0608WBS01

Tot Ion:105 Resp: 278690

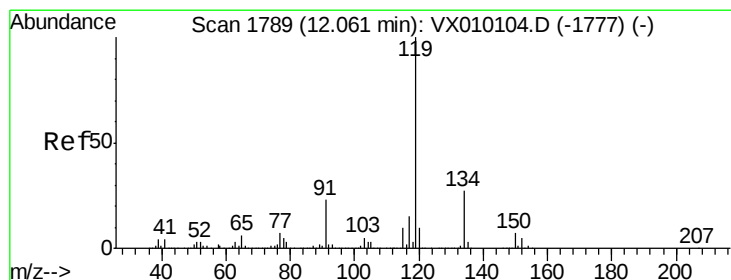
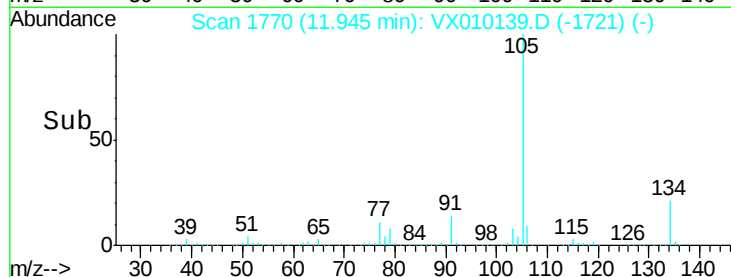
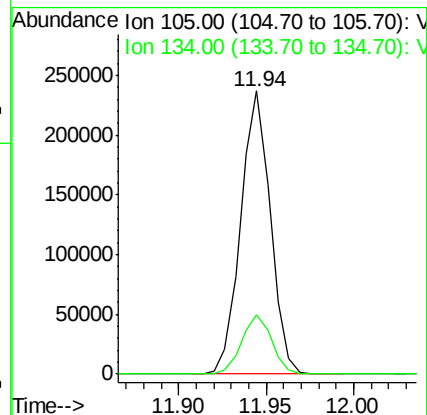
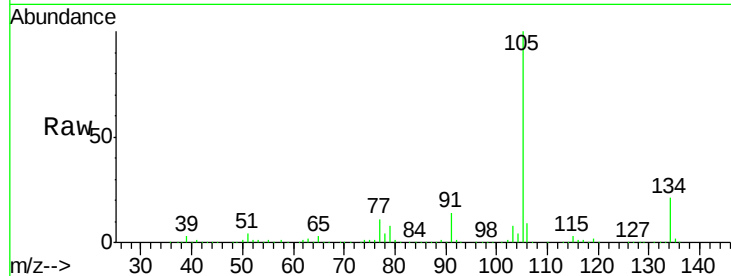
Ion Ratio Lower Upper

105 100

134 21.2 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 19.428 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

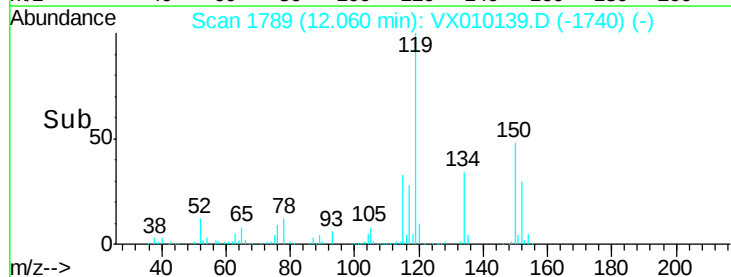
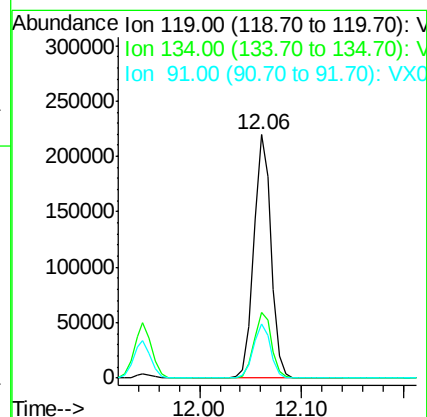
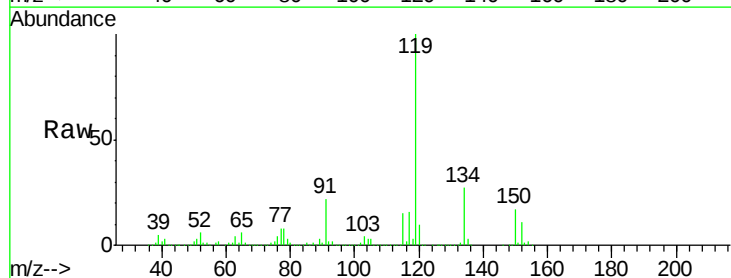
Tgt Ion:119 Resp: 258201

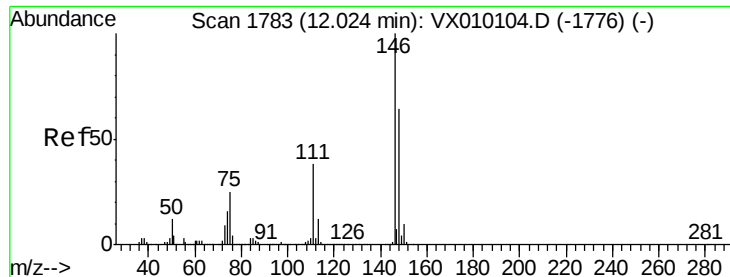
Ion Ratio Lower Upper

119 100

134 27.6 12.9 38.6

91 22.2 11.9 35.9





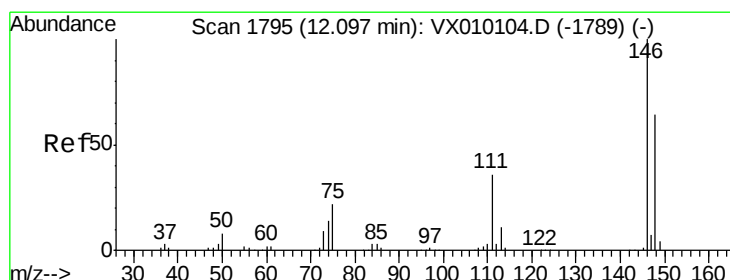
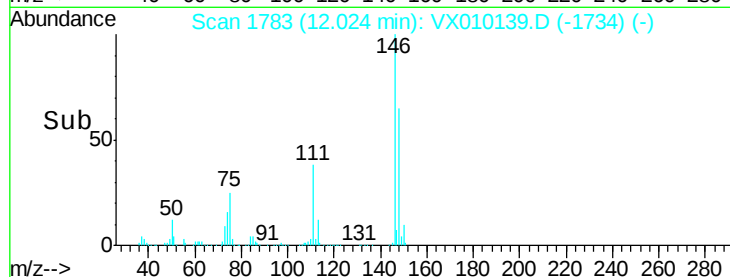
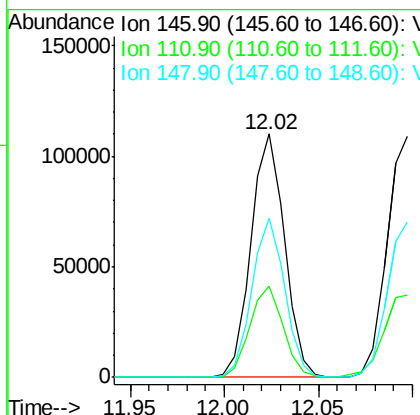
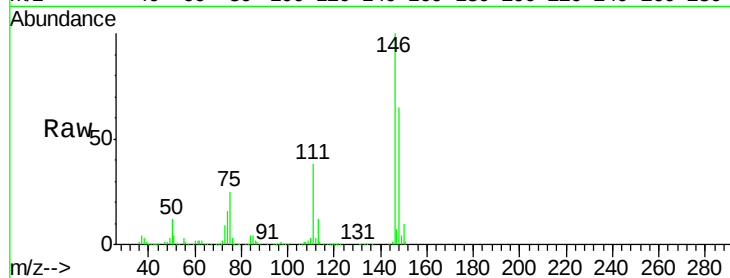
#87
 1,3-Dichlorobenzene
 Concen: 19.198 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010139.D
 Acq: 08 Jun 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	20.1	60.2
148	63.9	31.9	95.5

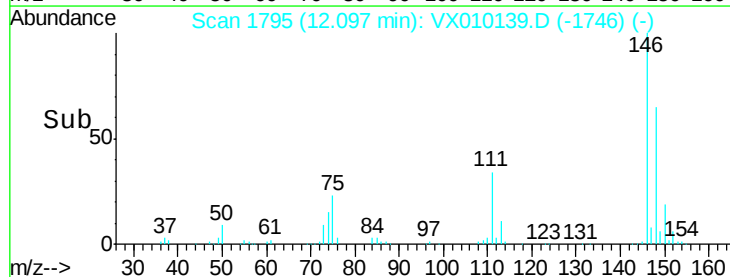
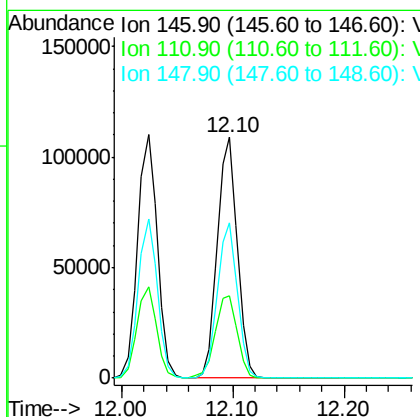
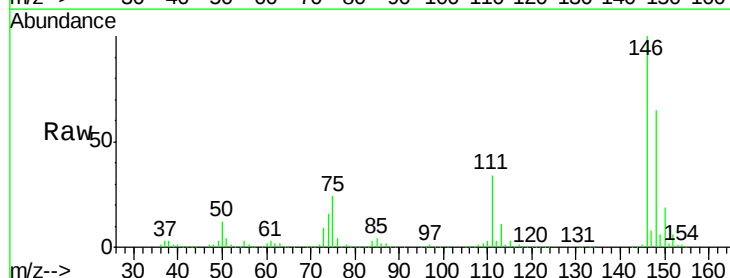
Manual Integrations
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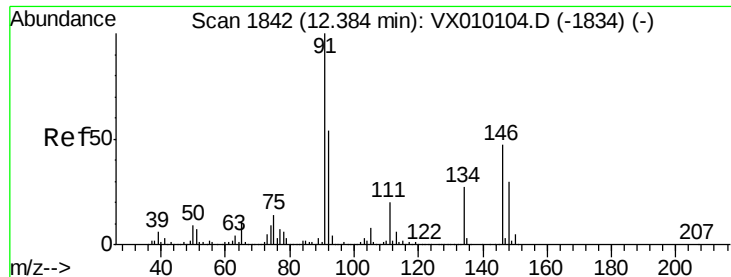
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#88
 1,4-Dichlorobenzene
 Concen: 18.985 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010139.D
 Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.0	59.9
148	64.7	32.3	96.9





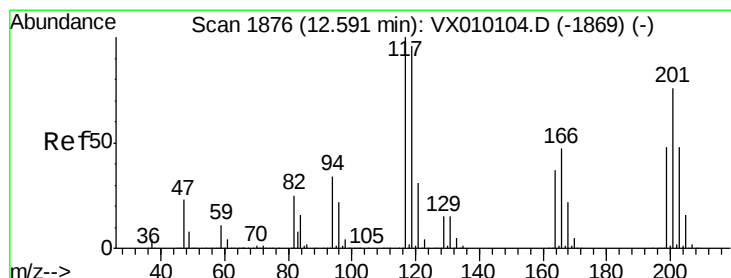
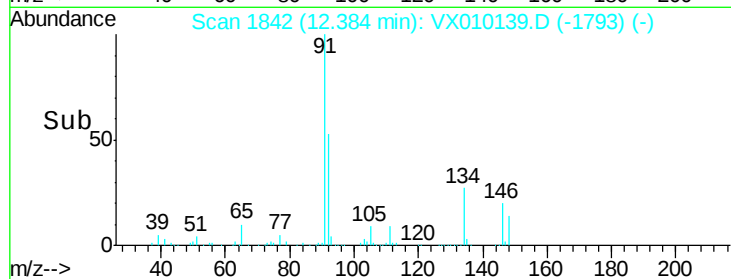
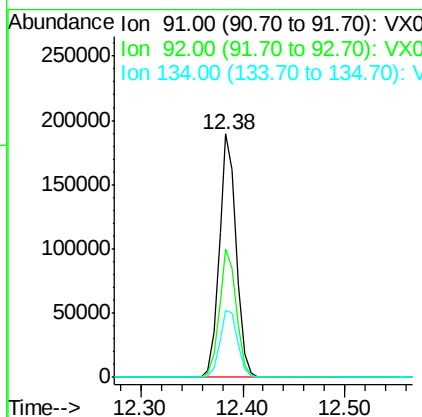
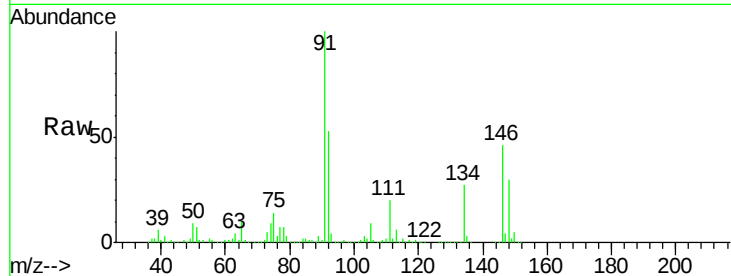
#89
n-Butylbenzene
Concen: 19.204 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.8
134	28.7	12.3	36.8

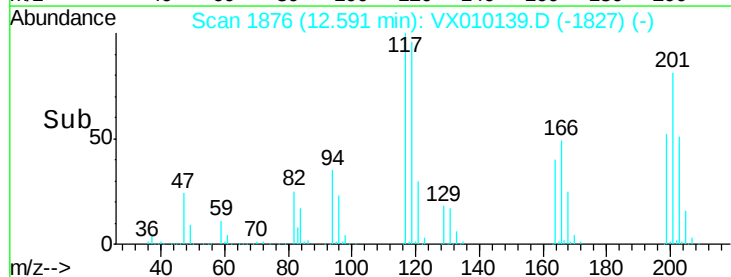
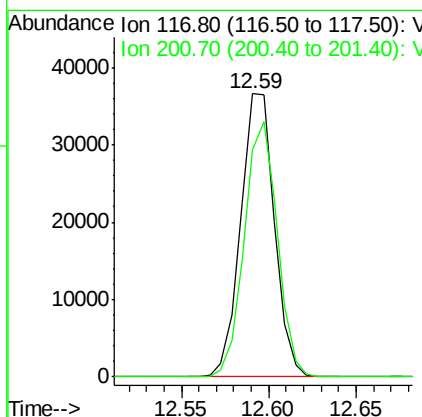
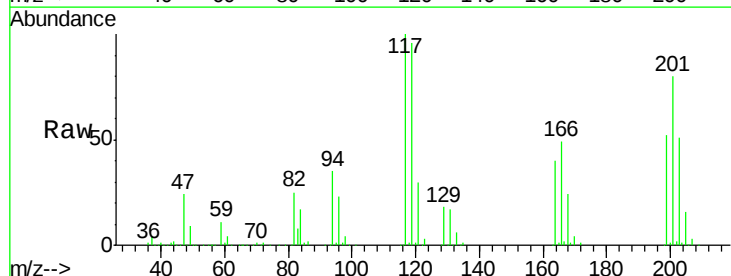
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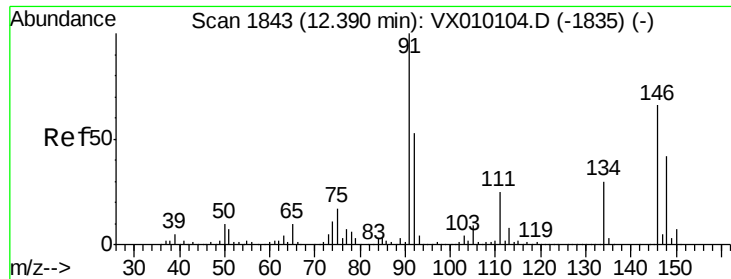
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#90
Hexachloroethane
Concen: 18.589 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.7	43.6	130.9





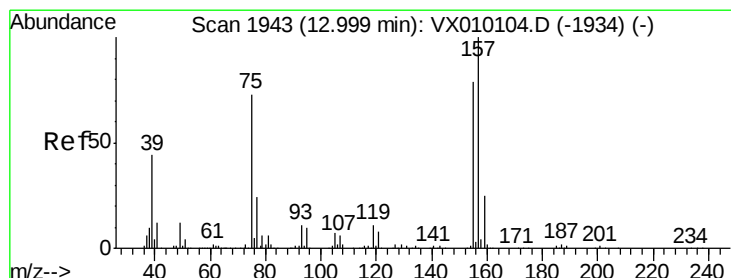
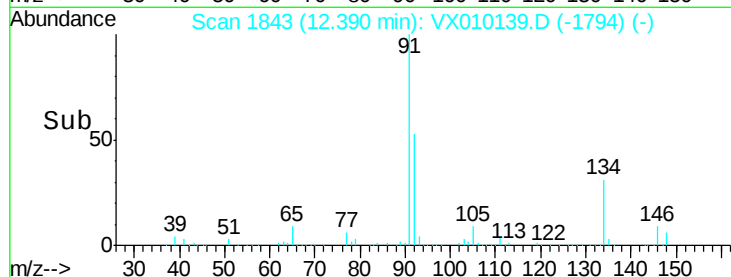
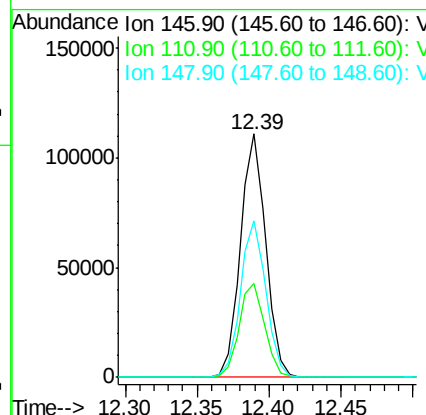
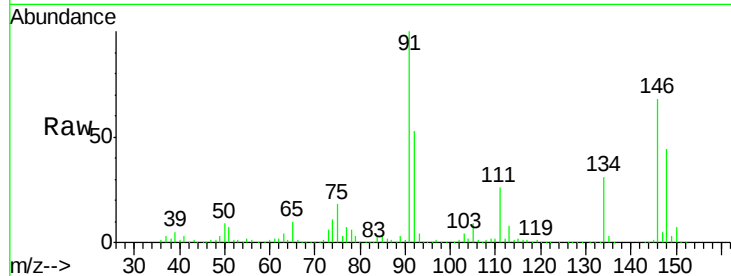
#91
 1,2-Dichlorobenzene
 Concen: 19.779 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010139.D
 Acq: 08 Jun 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	136337		
111	39.2	21.1	63.1	
148	64.5	32.3	96.8	

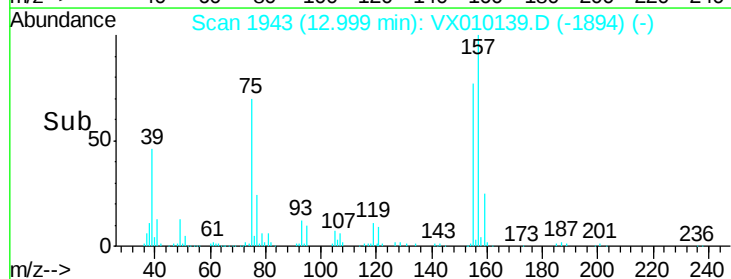
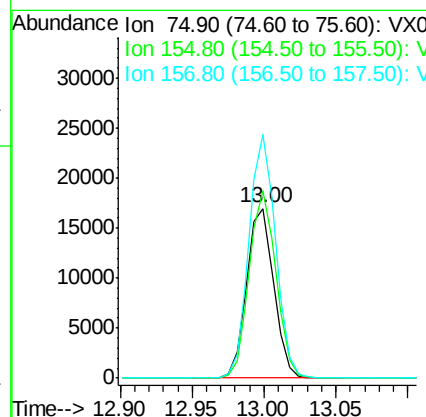
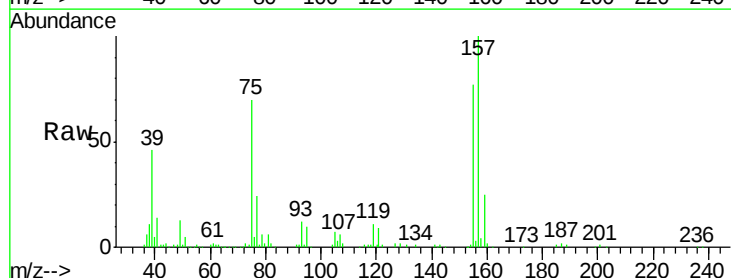
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.737 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010139.D
 Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22092		
155	108.4	39.3	117.8	
157	140.3	50.6	151.8	





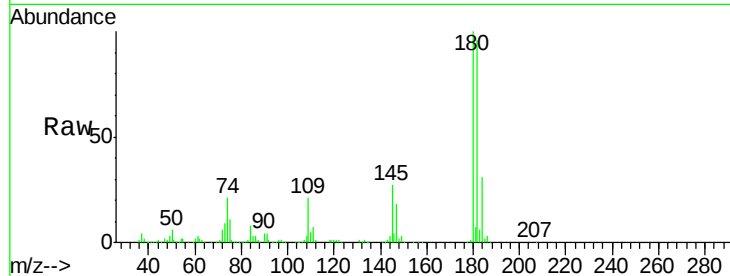
#93
1,2,4-Trichlorobenzene
Concen: 19.362 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBS01

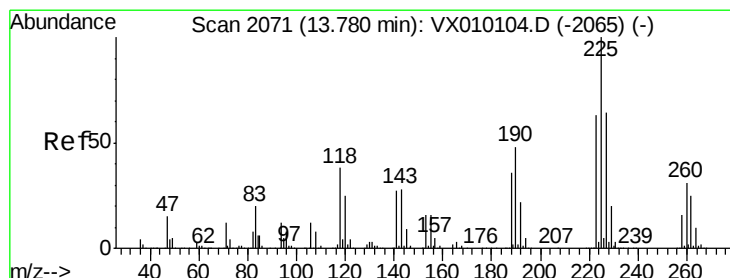
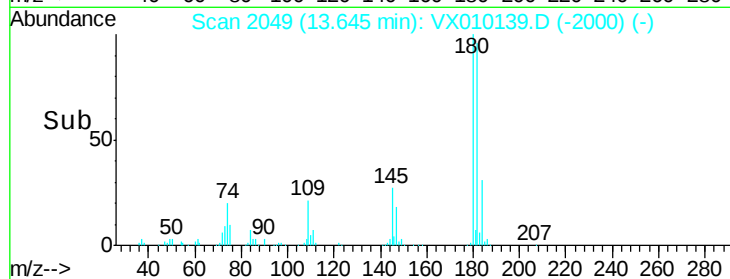
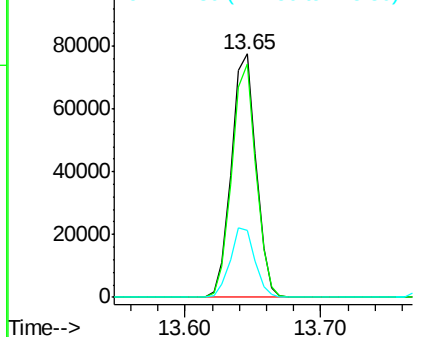
Tot Ion	Ratio	Resp	Lower	Upper
180	100	97691		
182	94.4		47.4	142.2
145	28.6		14.5	43.5

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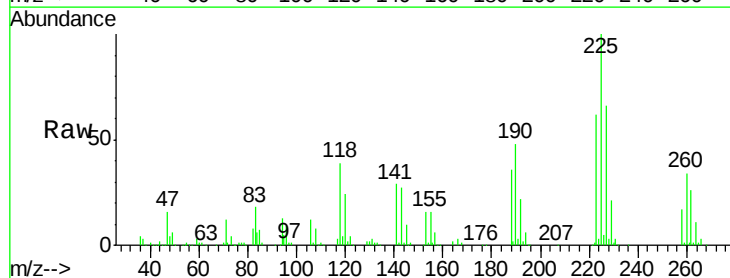


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

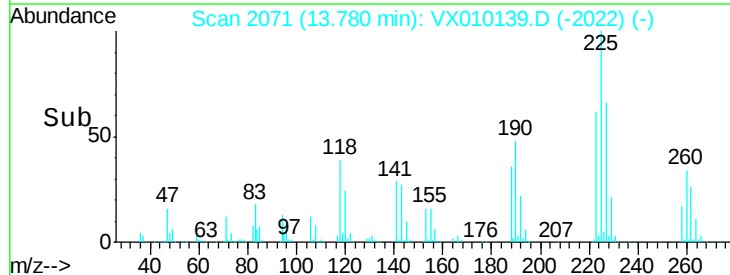
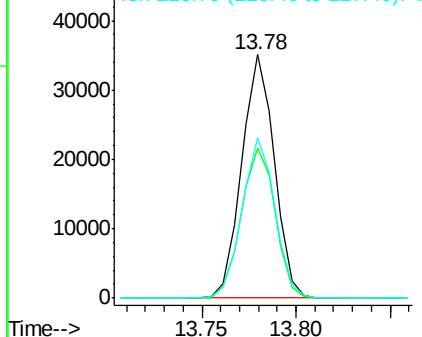


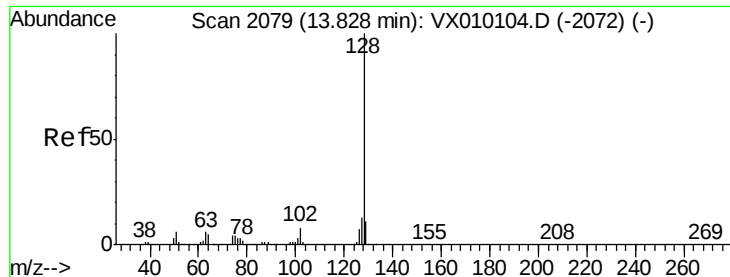
#94
Hexachlorobutadiene
Concen: 18.743 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010139.D
Acq: 08 Jun 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42057		
223	64.0		31.3	93.8
227	66.3		32.3	96.8



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





#95

Naphthalene

Concen: 19.637 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Instrument :

MSVOA_X

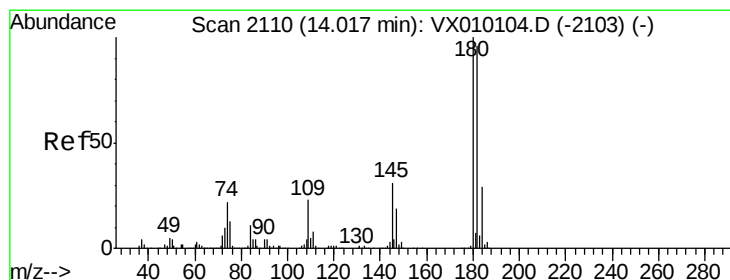
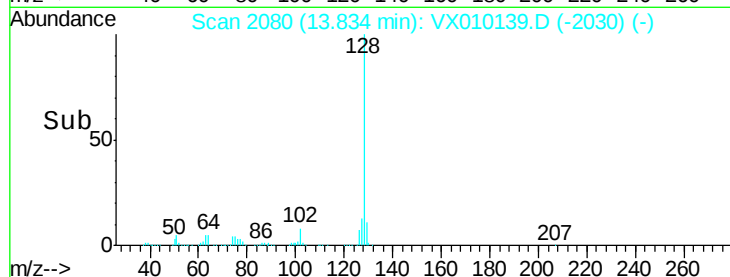
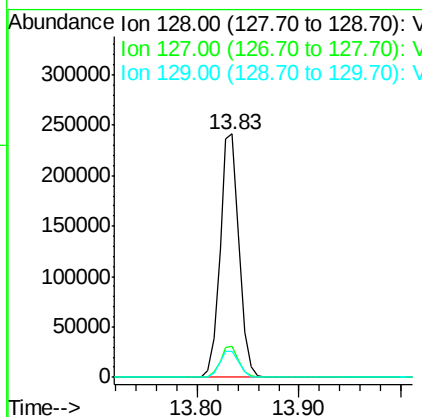
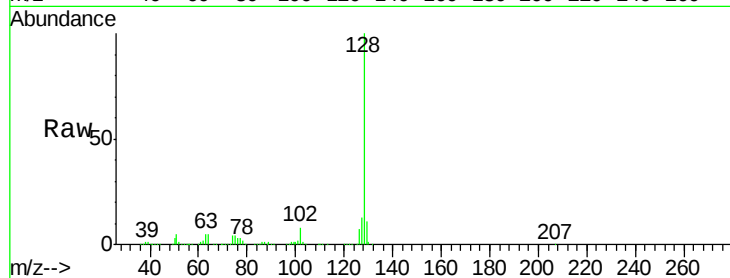
ClientSampleId :

VX0608WBS01

Tot Ion:	128	Resp:	311901
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/10/2019 9:40:25 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.323 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010139.D

Acq: 08 Jun 2019 15:33

Tgt Ion:	180	Resp:	96401
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.3	142.0
145	31.9	15.6	46.7

