

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010197.D
 Acq On : 10 Jun 2019 23:56
 Operator : JC/SP
 Sample : VX0610WBSD03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBSD03

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:53:56 AM

Quant Time: Jun 11 08:06:00 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	251688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383394	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	349564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174495	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	116993	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	5.50	113	118080	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	8.71	98	449357	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.13	95	160898	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	47561	20.537	ug/l	99
3) Chloromethane	1.33	50	45434	19.754	ug/l	99
4) Vinyl Chloride	1.41	62	48120	22.261	ug/l	99
5) Bromomethane	1.64	94	22777	27.923	ug/l	97
6) Chloroethane	1.72	64	26540	24.352	ug/l	97
7) Trichlorofluoromethane	1.93	101	71813	22.365	ug/l	98
8) Diethyl Ether	2.19	74	26009	23.501	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41449	18.727	ug/l	90
10) Methyl Iodide	2.51	142	68325	19.924	ug/l	97
11) Tert butyl alcohol	3.04	59	61395	102.012	ug/l	100
12) 1,1-Dichloroethene	2.37	96	43677	19.320	ug/l #	78
13) Acrolein	2.29	56	10746	97.923	ug/l	97
14) Allyl chloride	2.73	41	61899	18.139	ug/l #	90
15) Acrylonitrile	3.14	53	125965	102.398	ug/l	98
16) Acetone	2.45	43	99983	86.527	ug/l #	89
17) Carbon Disulfide	2.57	76	117072	17.922	ug/l	98
18) Methyl Acetate	2.78	43	51451	20.247	ug/l #	79
19) Methyl tert-butyl Ether	3.20	73	139109	19.153	ug/l	95
20) Methylene Chloride	2.85	84	48332	19.046	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	45783	18.300	ug/l #	76
22) Diisopropyl ether	3.85	45	127226	19.500	ug/l #	94
23) Vinyl Acetate	3.82	43	558190	95.901	ug/l #	85
24) 1,1-Dichloroethane	3.70	63	74053	18.694	ug/l #	94
25) 2-Butanone	4.67	43	170036	98.820	ug/l #	84
26) 2,2-Dichloropropane	4.58	77	50494	13.972	ug/l	89
27) cis-1,2-Dichloroethene	4.60	96	53526	19.232	ug/l	76
28) Bromochloromethane	5.02	49	33534	18.888	ug/l #	48
29) Tetrahydrofuran	5.13	42	107807	99.696	ug/l #	73
30) Chloroform	5.21	83	78740	19.139	ug/l	97
31) Cyclohexane	5.59	56	68909	19.274	ug/l #	82
32) 1,1,1-Trichloroethane	5.49	97	71336	18.444	ug/l	94
36) 1,1-Dichloropropene	5.80	75	57847	18.494	ug/l	92
37) Ethyl Acetate	4.84	43	64299	19.757	ug/l #	89
38) Carbon Tetrachloride	5.79	117	64144	18.118	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	76244	17.901	ug/l #	83
40) Benzene	6.14	78	188264	19.465	ug/l	100
41) Methacrylonitrile	5.05	41	32904	18.690	ug/l #	80
42) 1,2-Dichloroethane	6.20	62	57370	18.579	ug/l	92
43) Isopropyl Acetate	6.45	43	104255	19.159	ug/l #	89
44) Trichloroethene	7.21	130	56108	19.245	ug/l	89
45) 1,2-Dichloropropane	7.51	63	46720	19.299	ug/l	97
46) Dibromomethane	7.66	93	33544	18.495	ug/l	90
47) Bromodichloromethane	7.90	83	63024	18.597	ug/l #	99
48) Methyl methacrylate	7.77	41	48803	19.177	ug/l #	75
49) 1,4-Dioxane	7.74	88	29162	401.923	ug/l #	79
51) 4-Methyl-2-Pentanone	8.64	43	337161	103.718	ug/l	89
52) Toluene	8.78	92	120670	18.980	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	66750	17.028	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	74376	17.699	ug/l #	89
55) 1,1,2-Trichloroethane	9.21	97	52066	19.996	ug/l	95
56) Ethyl methacrylate	9.18	69	79485	19.325	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	79509	19.396	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	181561	93.634	ug/l #	86
59) 2-Hexanone	9.49	43	260103	100.354	ug/l	87
60) Dibromochloromethane	9.58	129	57385	18.632	ug/l	100
61) 1,2-Dibromoethane	9.67	107	55076	18.992	ug/l	98
64) Tetrachloroethene	9.34	164	51857	19.974	ug/l	98
65) Chlorobenzene	10.13	112	138254	19.163	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	52632	18.970	ug/l	99
67) Ethyl Benzene	10.25	91	230211	18.744	ug/l	95
68) m/p-Xylenes	10.36	106	180709	38.022	ug/l	90
69) o-Xylene	10.69	106	89318	18.905	ug/l	88
70) Styrene	10.71	104	151508	18.935	ug/l	94
71) Bromoform	10.85	173	47021	18.435	ug/l #	98
73) Isopropylbenzene	11.02	105	233859	19.199	ug/l	95
74) N-amyl acetate	10.90	43	92959	19.306	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	81491	19.544	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	65824m	18.859	ug/l	
77) Bromobenzene	11.26	156	65097	19.434	ug/l	79
78) n-propylbenzene	11.36	91	250886	18.501	ug/l	94
79) 2-Chlorotoluene	11.42	91	151621	18.616	ug/l	89
80) 1,3,5-Trimethylbenzene	11.51	105	194172	18.926	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	25946	16.425	ug/l #	84
82) 4-Chlorotoluene	11.51	91	172574	18.653	ug/l	91
83) tert-Butylbenzene	11.77	119	194052	18.687	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	194979	18.815	ug/l	94
85) sec-Butylbenzene	11.94	105	226122	18.691	ug/l	96
86) p-Isopropyltoluene	12.06	119	205747	18.603	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	111117	18.833	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	111936	18.820	ug/l	98
89) n-Butylbenzene	12.38	91	171627	18.028	ug/l	96
90) Hexachloroethane	12.60	117	39685	18.013	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	113052	19.709	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17775	18.116	ug/l	66

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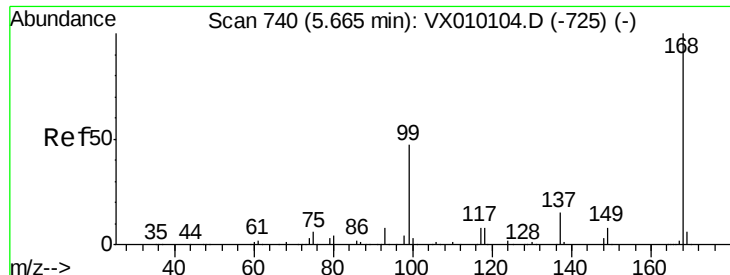
Manual Integrations
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6/11/2019 11:53:56 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	77522	18.463	ug/l	99
94) Hexachlorobutadiene	13.78	225	35759	19.150	ug/l	99
95) Naphthalene	13.83	128	251929	19.061	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	78254	18.850	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleID :

VX0610WBSD03

Tot Ion:168 Resp: 251688

Ion Ratio Lower Upper

168 100

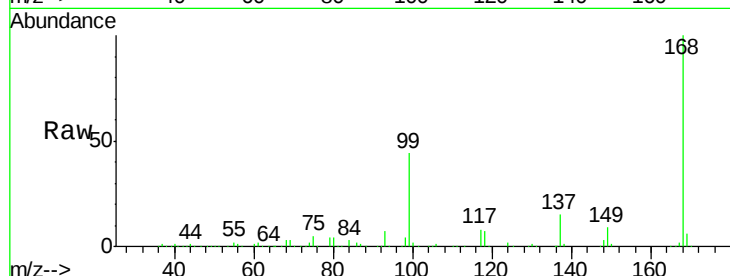
99 44.4 43.0 64.6

Manual Integrations

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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

100000

80000

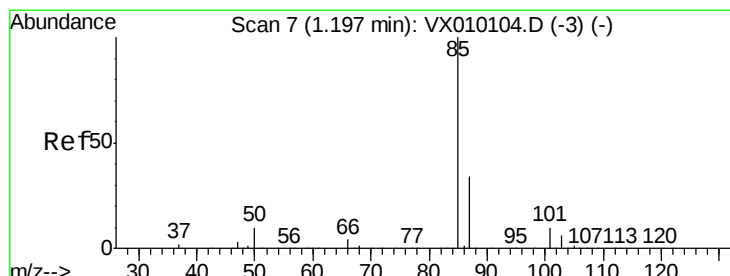
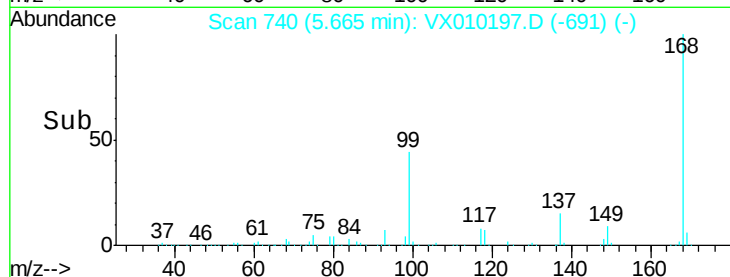
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.537 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010197.D

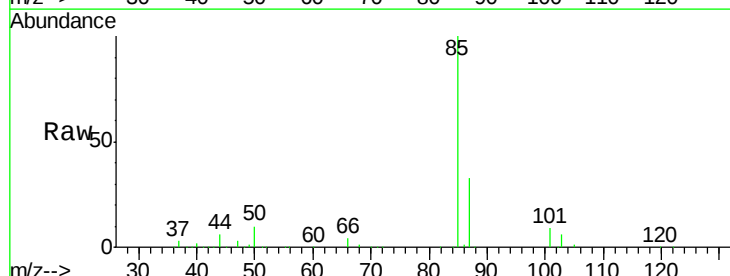
Acq: 10 Jun 2019 23:56

Tgt Ion: 85 Resp: 47561

Ion Ratio Lower Upper

85 100

87 32.8 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

50000

40000

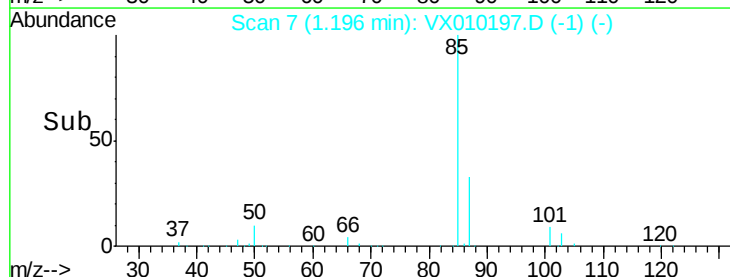
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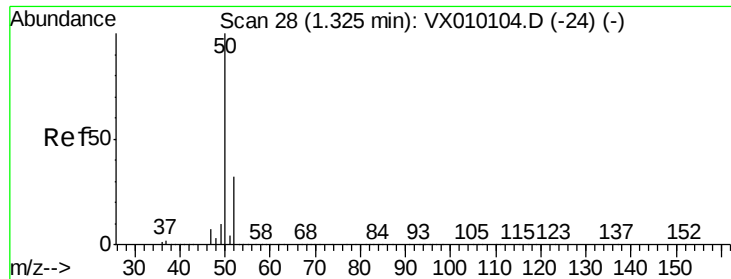
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.754 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion: 50 Resp: 45434

Ion Ratio Lower Upper

50 100

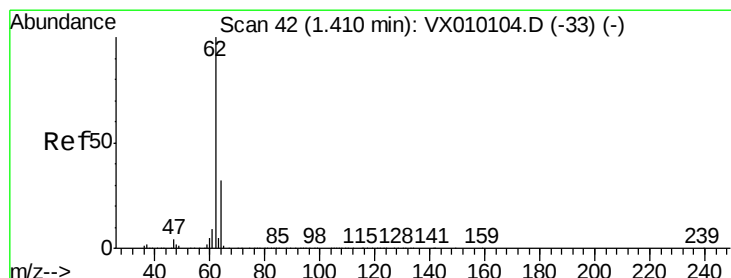
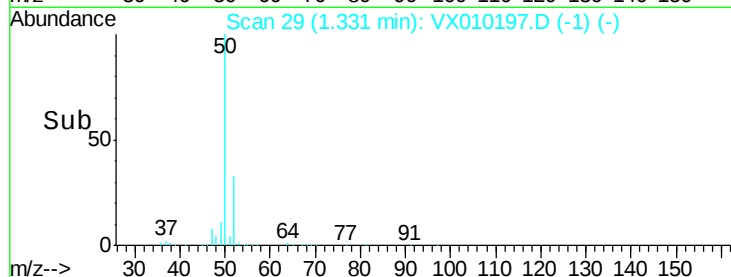
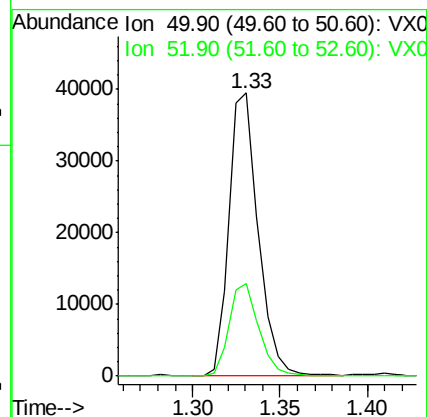
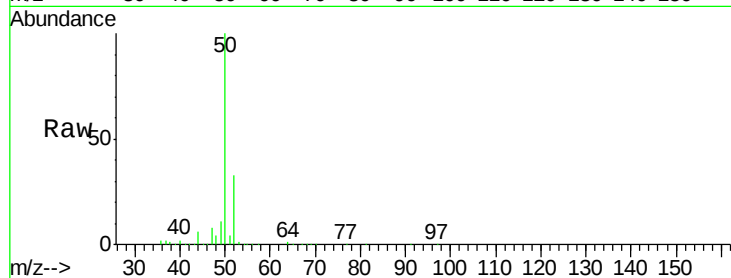
52 32.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.261 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010197.D

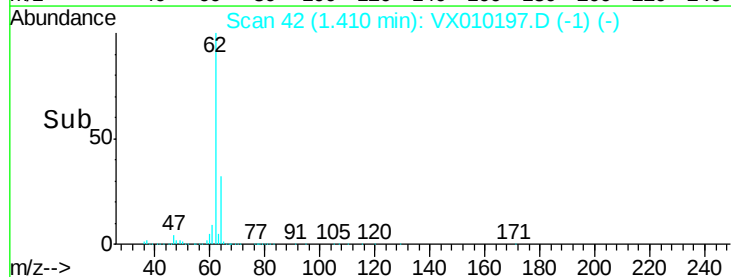
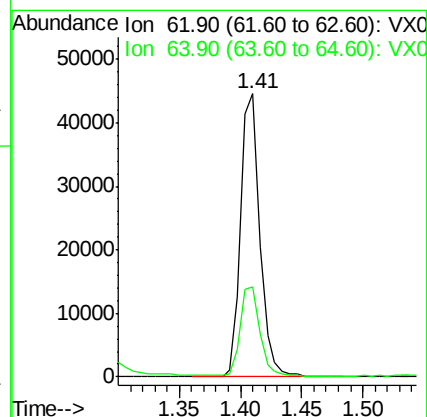
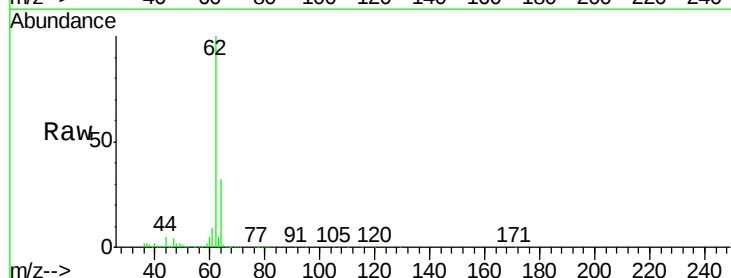
Acq: 10 Jun 2019 23:56

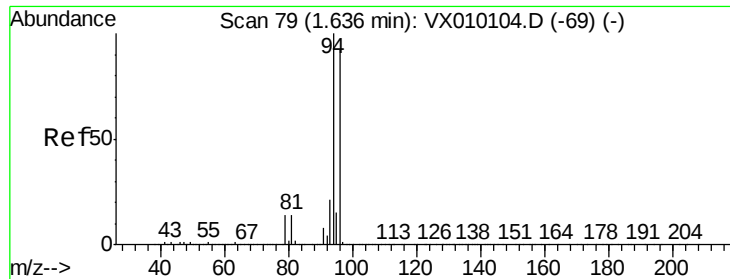
Tgt Ion: 62 Resp: 48120

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 27.923 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

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ClientSampleId :

VX0610WBSD03

Tot Ion: 94 Resp: 22777

Ion Ratio Lower Upper

94 100

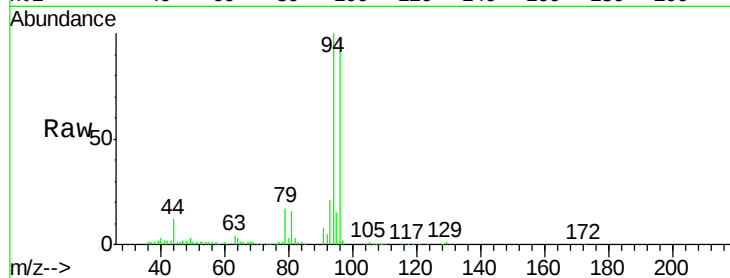
96 97.9 76.2 114.4

Manual Integrations

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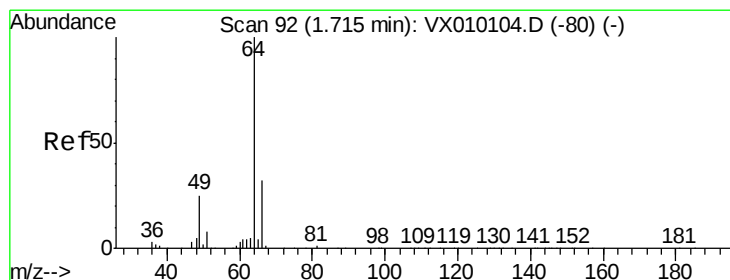
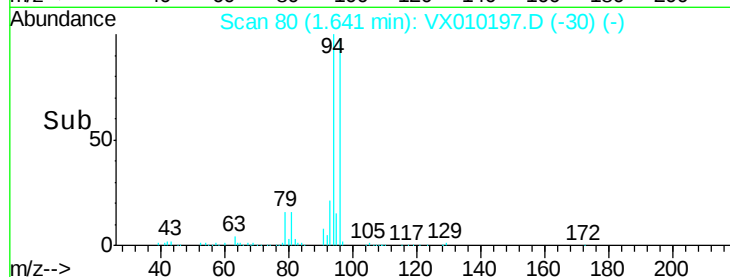
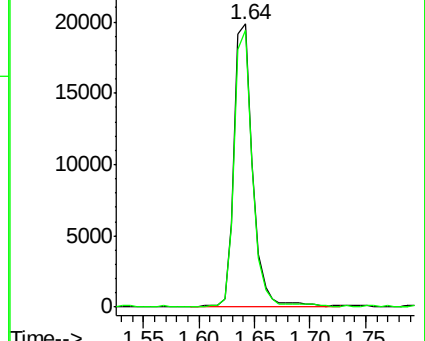
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 24.352 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010197.D

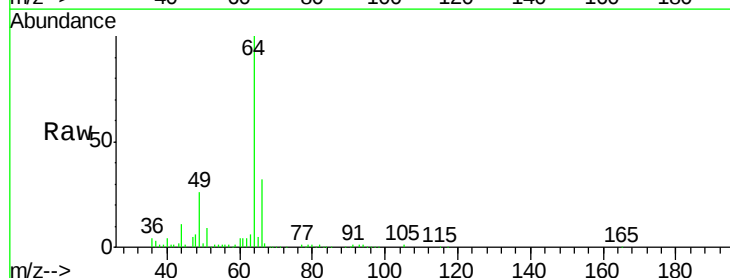
Acq: 10 Jun 2019 23:56

Tgt Ion: 64 Resp: 26540

Ion Ratio Lower Upper

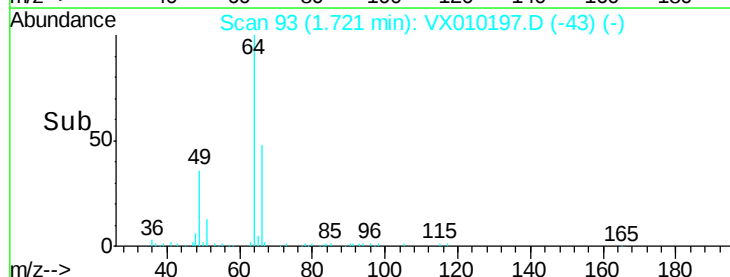
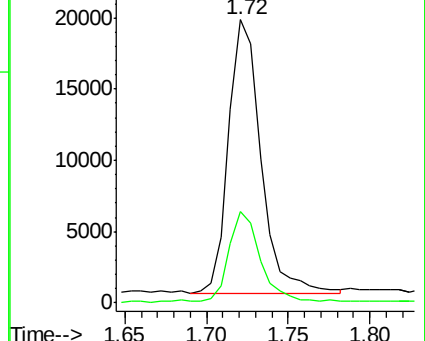
64 100

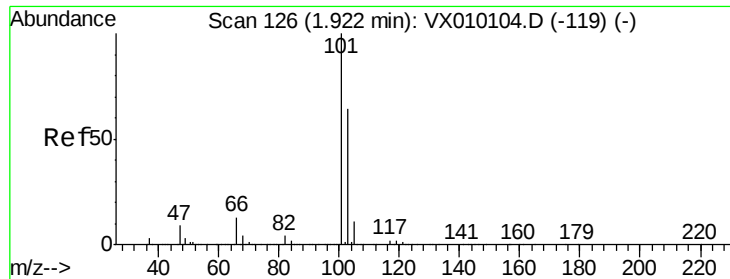
66 33.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

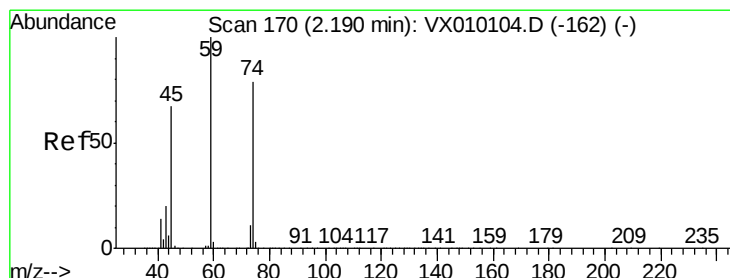
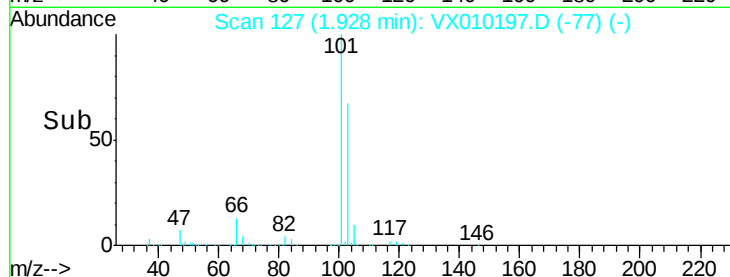
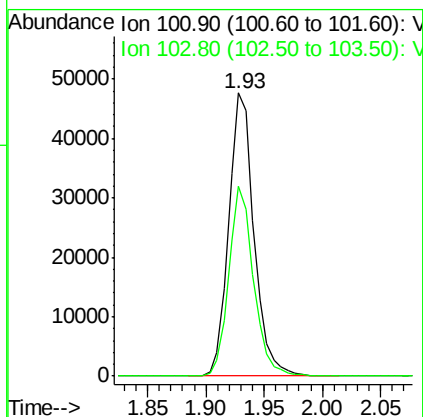
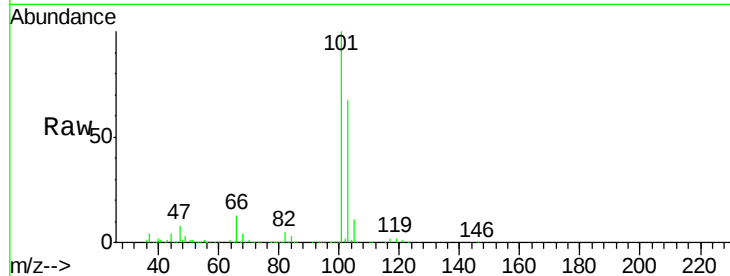
Trichlorofluoromethane
Concen: 22.365 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

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VX0610WBSD03

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	52.2	78.4

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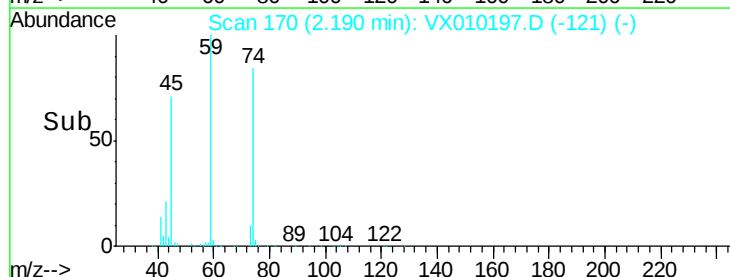
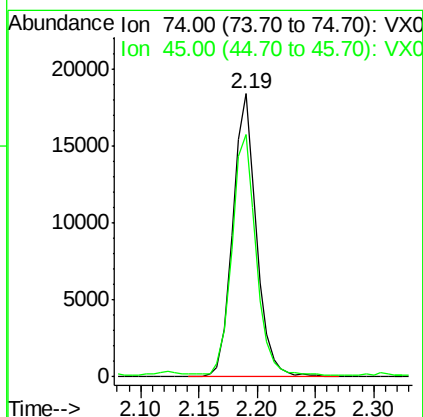
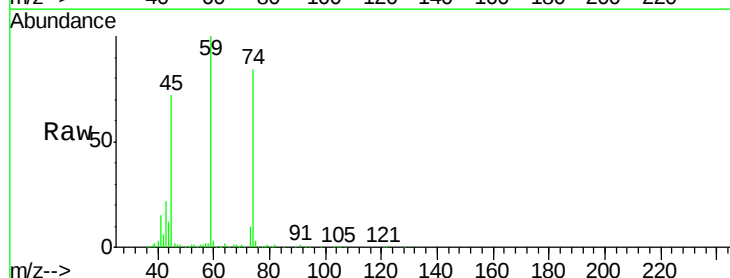
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6/11/2019 11:53:56 AM

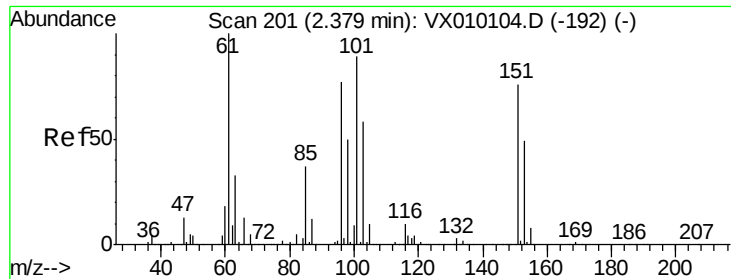


#8

Diethyl Ether
Concen: 23.501 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.8	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.727 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

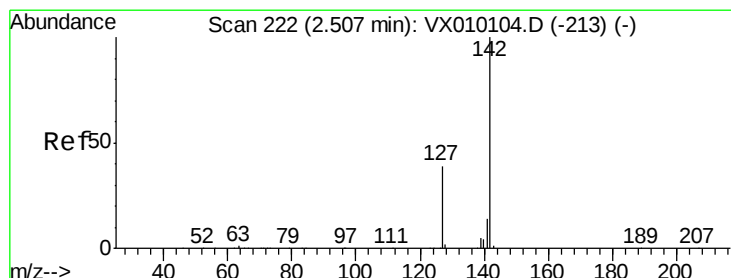
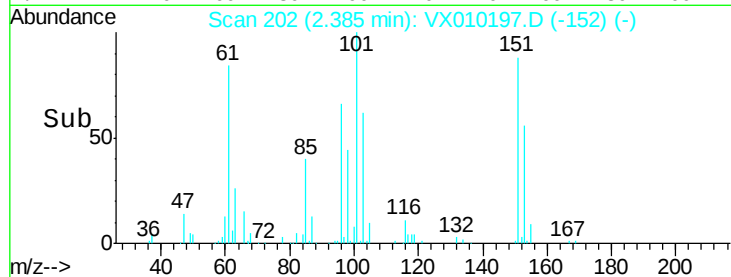
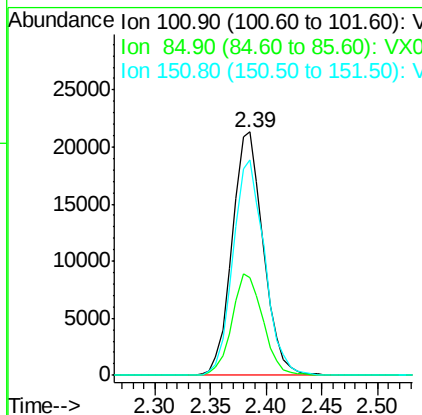
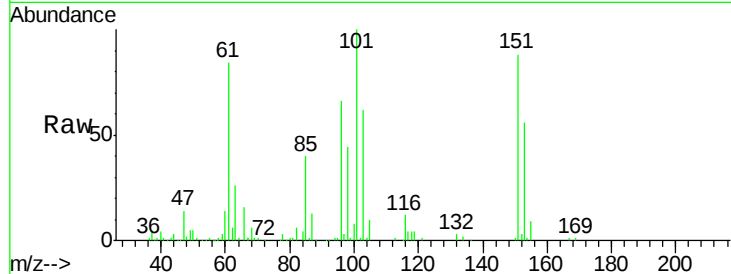
ClientSampleId :

VX0610WBSD03

Tot Ion:	101	Resp:	41449
Ion Ratio	Lower	Upper	
101	100		
85	41.2	35.2	52.8
151	89.3	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 19.924 ug/l

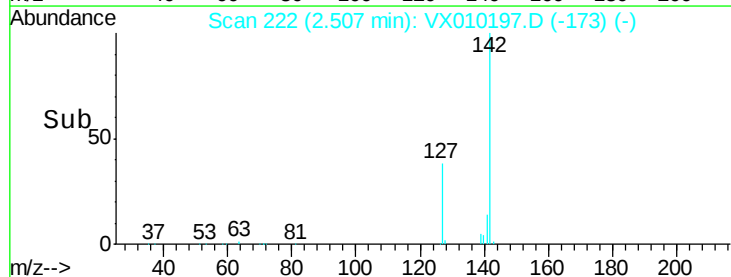
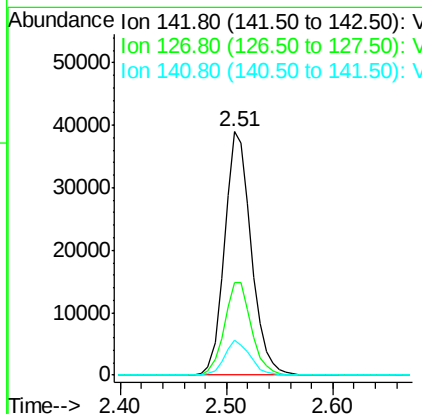
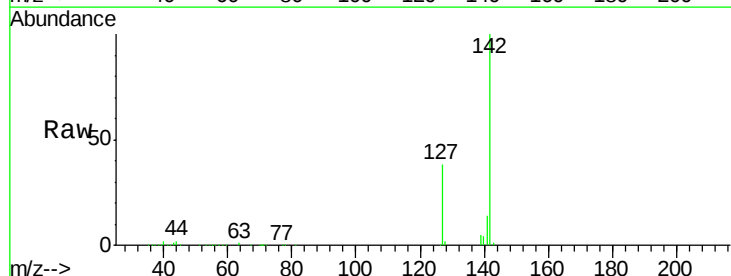
RT: 2.51 min Scan# 222

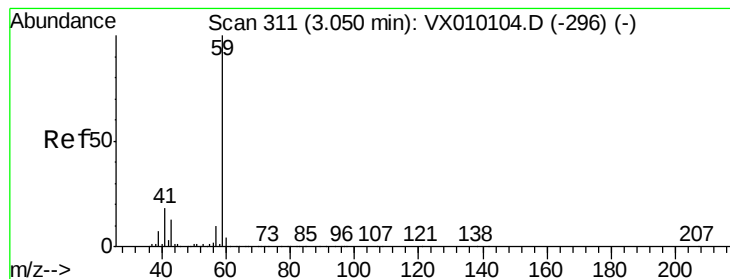
Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Tgt Ion:	142	Resp:	68325
Ion Ratio	Lower	Upper	
142	100		
127	38.5	33.0	49.4
141	13.8	11.4	17.0





#11

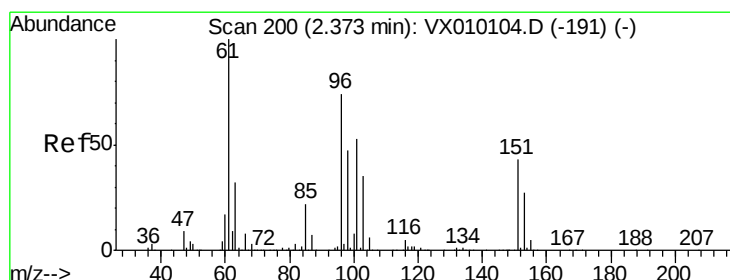
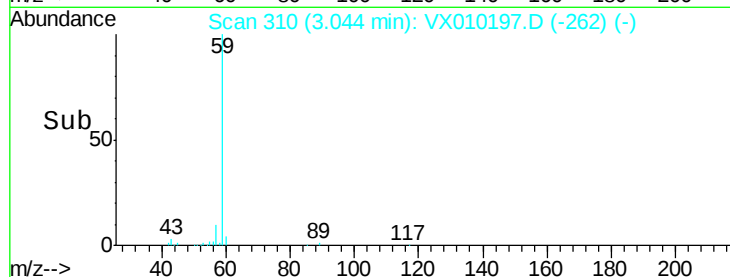
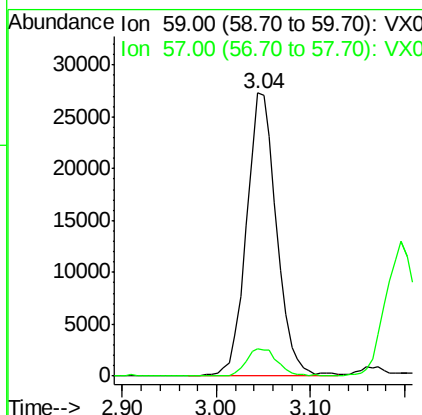
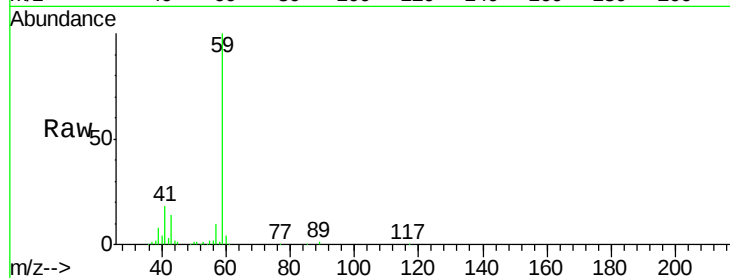
Tert butyl alcohol
Concen: 102.012 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion	59	Resp	61395
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.2

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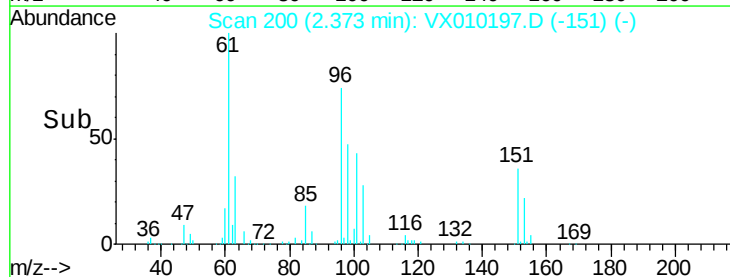
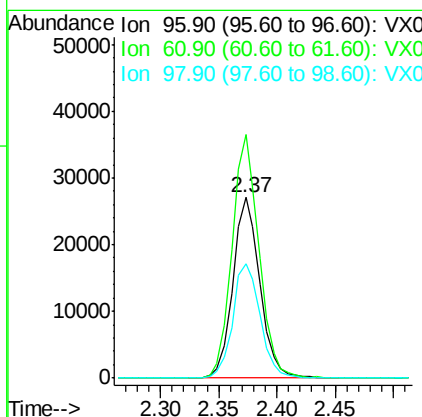
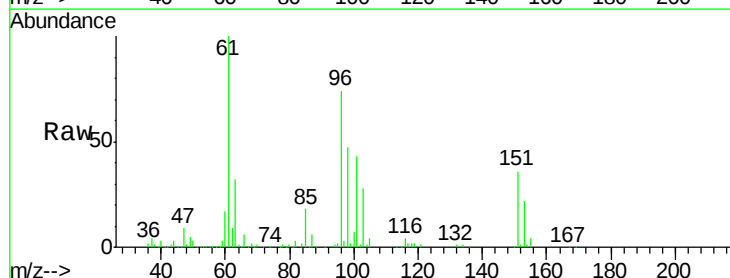
MMDadoda
6/11/2019 11:53:56 AM

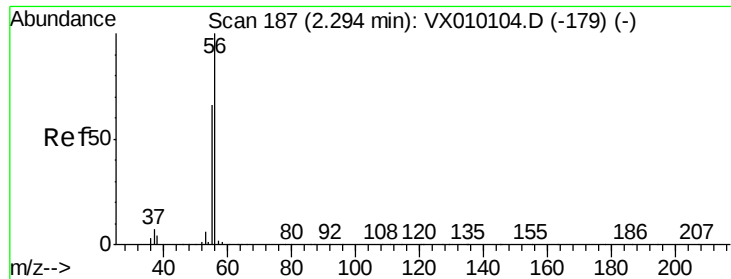


#12

1,1-Dichloroethene
Concen: 19.320 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion	96	Resp	43677
Ion Ratio	100	Lower	Upper
61	134.9	140.7	211.1#
98	63.1	50.1	75.1





#13

Acrolein

Concen: 97.923 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion: 56 Resp: 10746

Ion Ratio Lower Upper

56 100

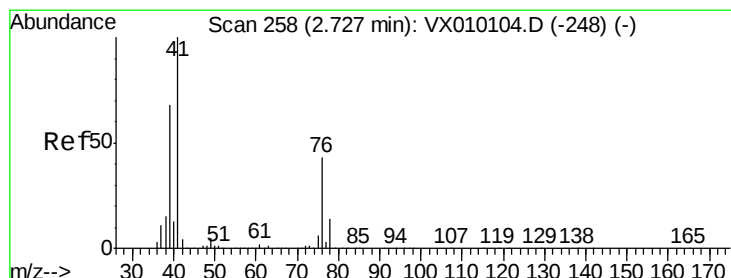
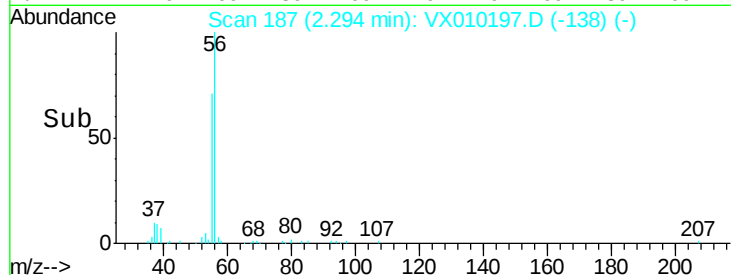
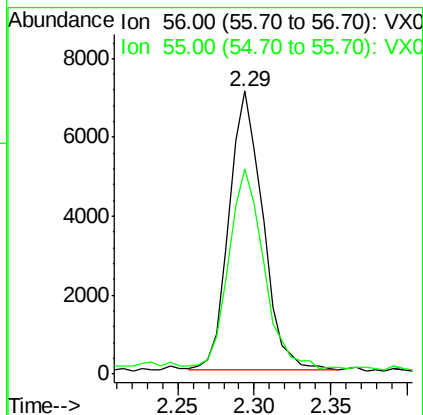
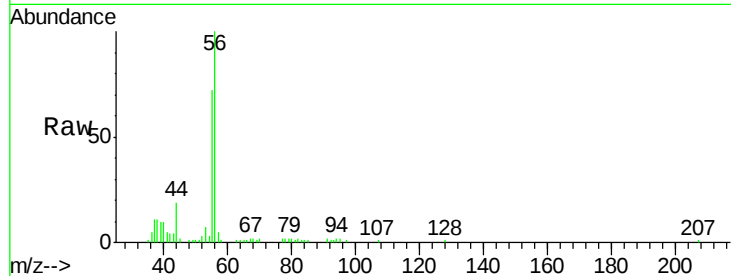
55 73.6 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 18.139 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

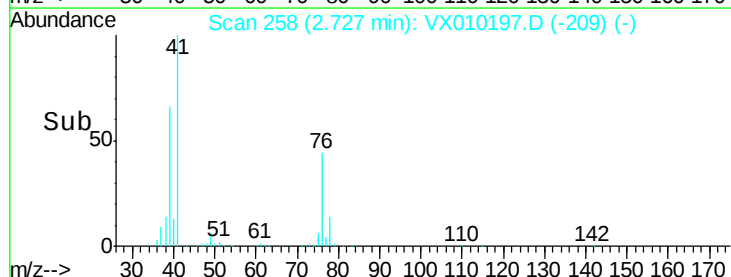
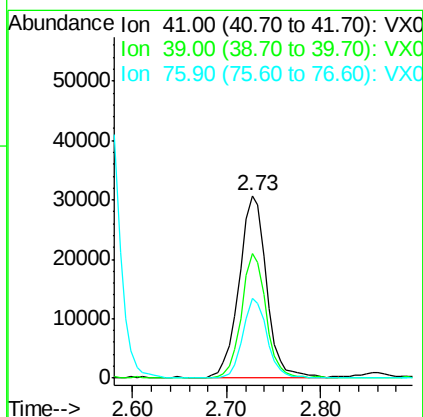
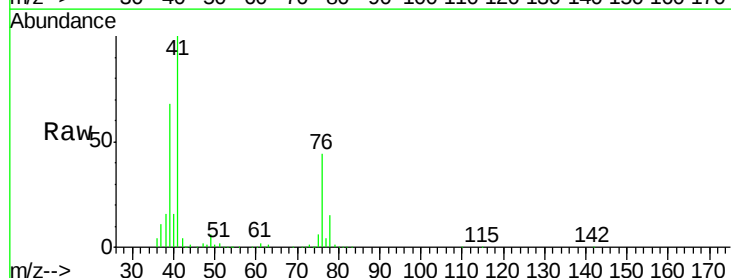
Tgt Ion: 41 Resp: 61899

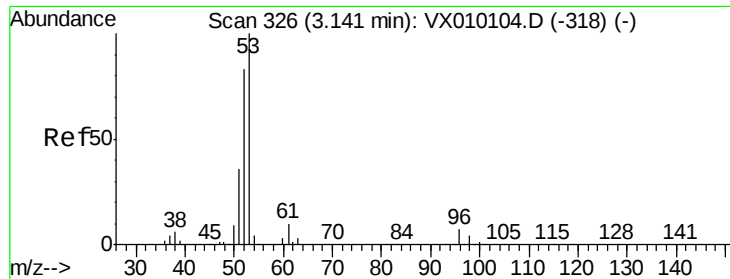
Ion Ratio Lower Upper

41 100

39 61.1 46.7 70.1

76 39.3 21.0 31.4#





#15

Acrylonitrile

Concen: 102.398 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

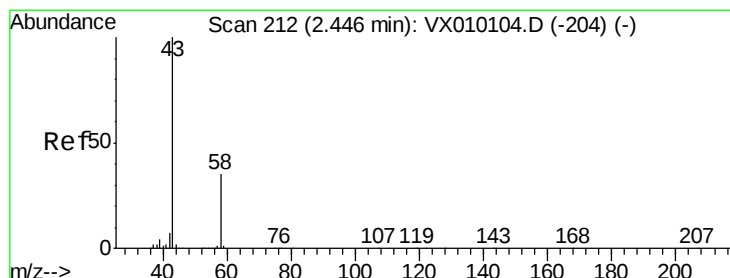
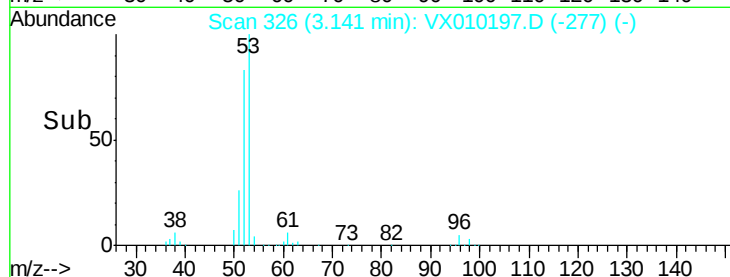
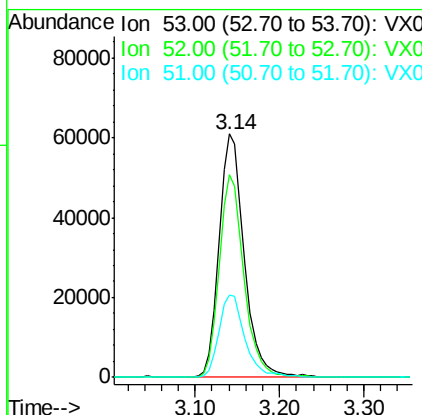
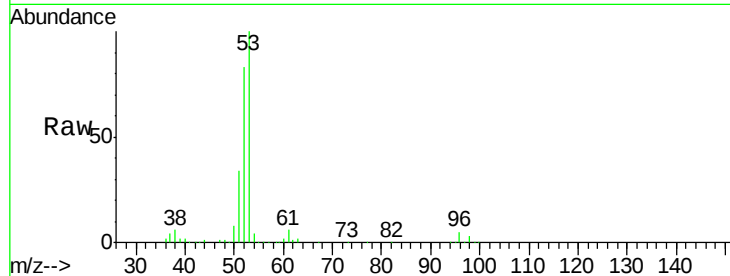
ClientSampleId :

VX0610WBSD03

Tot Ion:	53	Resp:	125965
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.7	100.1
51	35.1	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 86.527 ug/l

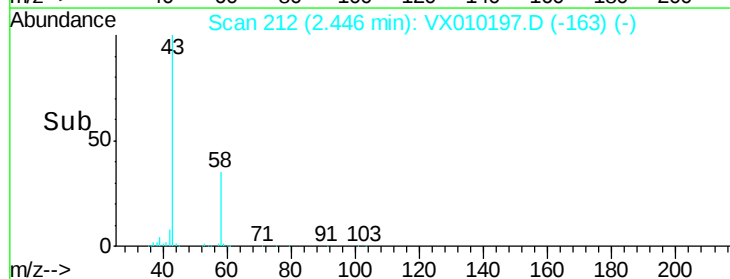
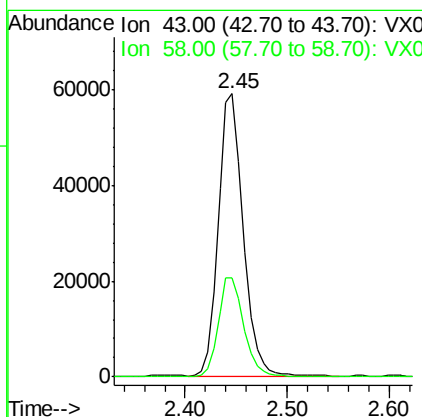
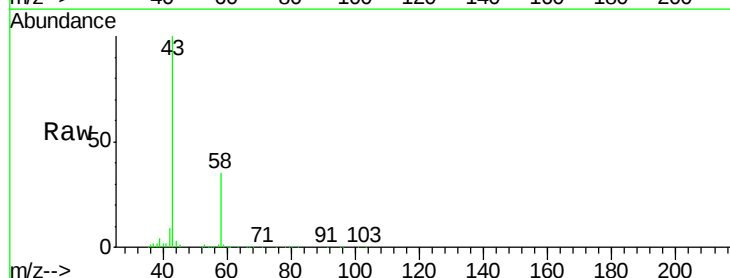
RT: 2.45 min Scan# 212

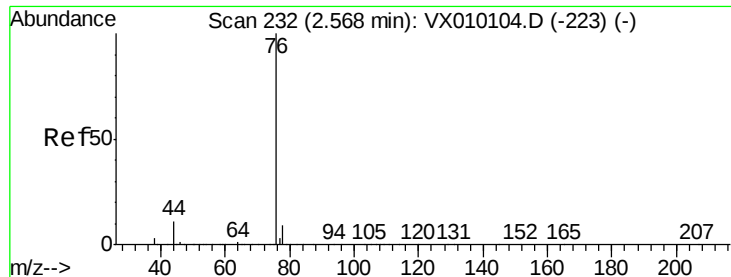
Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Tgt Ion:	43	Resp:	99983
Ion Ratio	Lower	Upper	
43	100		
58	35.0	23.2	34.8#





#17

Carbon Disulfide

Concen: 17.922 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion: 76 Resp: 117072

Ion Ratio Lower Upper

76 100

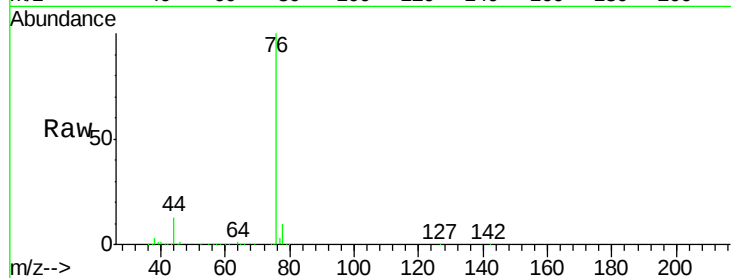
78 9.6 7.0 10.6

Manual Integrations

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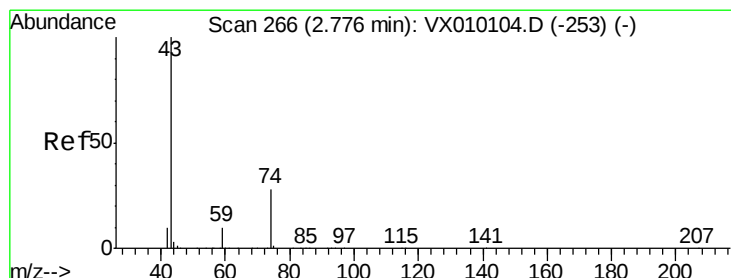
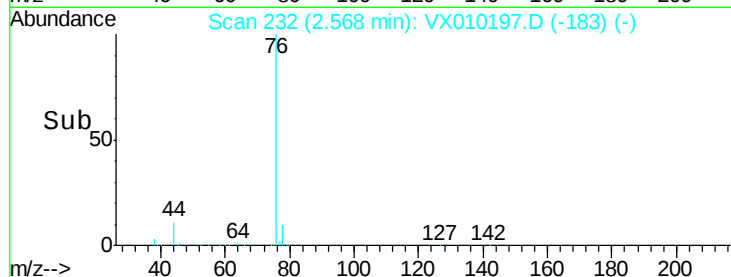
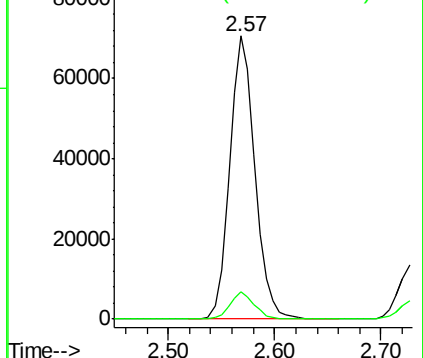
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.247 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010197.D

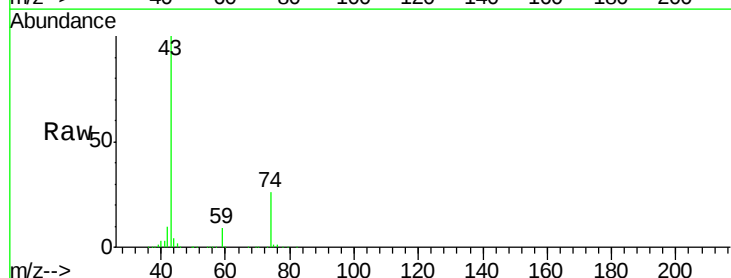
Acq: 10 Jun 2019 23:56

Tgt Ion: 43 Resp: 51451

Ion Ratio Lower Upper

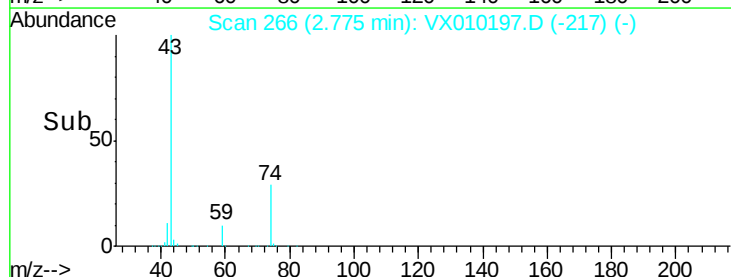
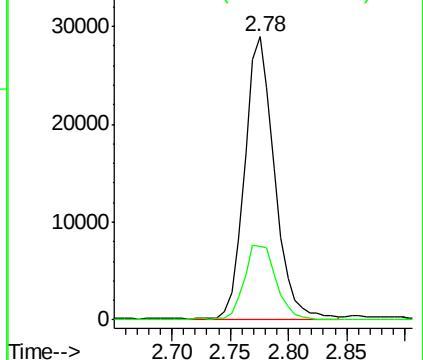
43 100

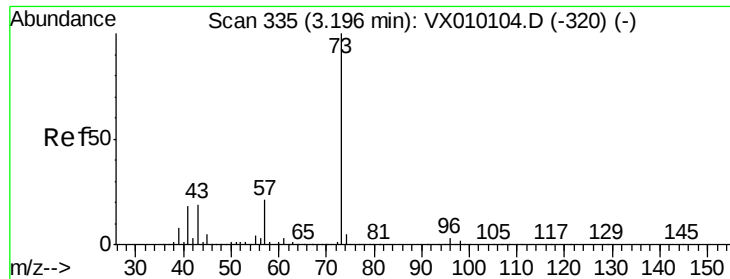
74 29.1 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





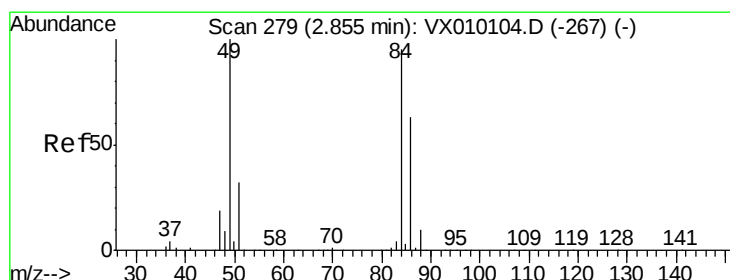
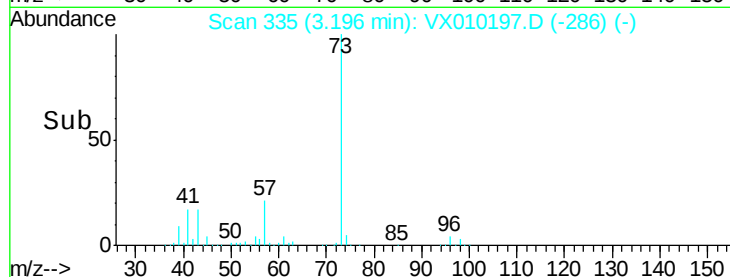
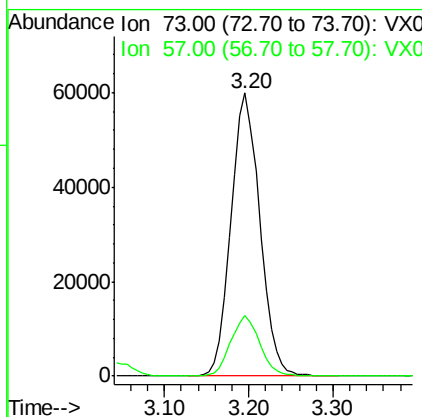
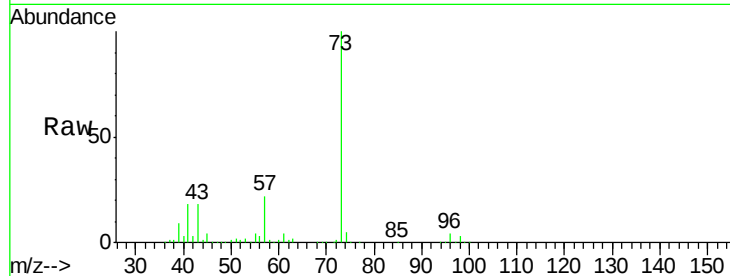
#19
Methvl tert-butvl Ether
Concen: 19.153 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion: 73 Resp: 139109
Ion Ratio Lower Upper
73 100
57 21.6 19.4 29.2

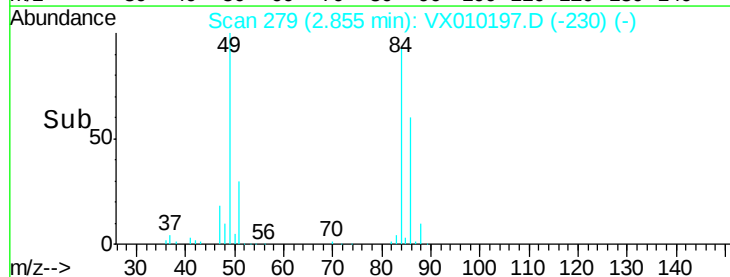
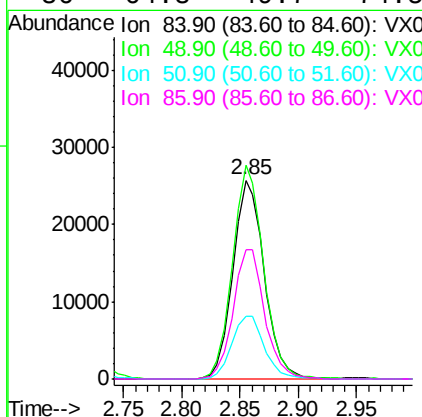
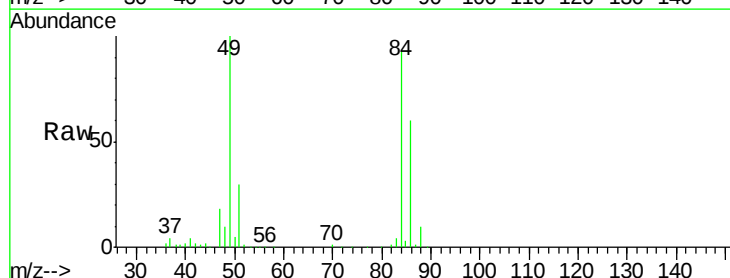
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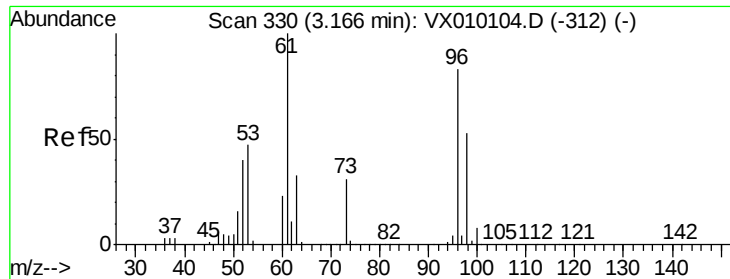
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#20
Methylene Chloride
Concen: 19.046 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion: 84 Resp: 48332
Ion Ratio Lower Upper
84 100
49 107.6 115.8 173.6#
51 31.7 34.4 51.6#
86 64.8 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 18.300 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion: 96 Resp: 45783

Ion Ratio Lower Upper

96 100

61 114.4 125.7 188.5#

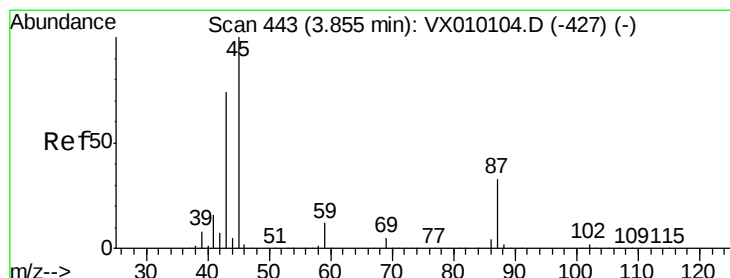
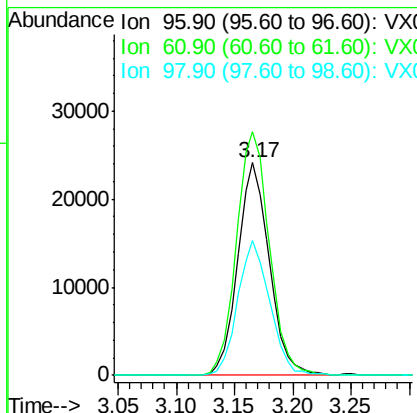
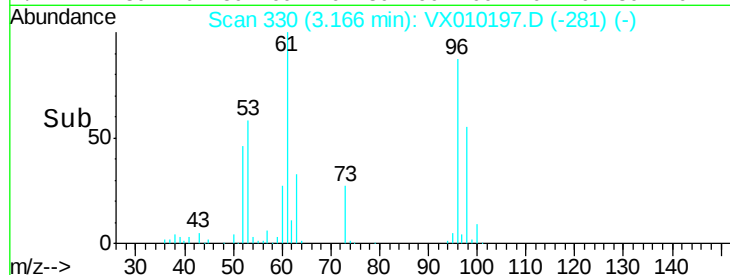
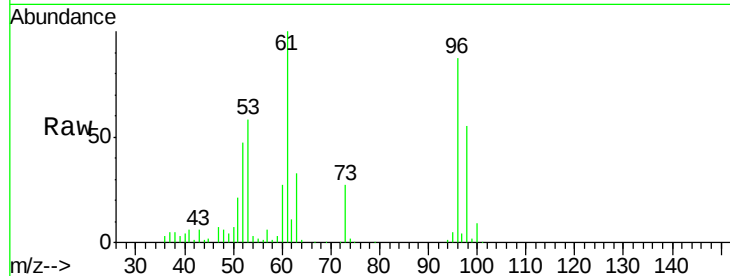
98 63.3 49.0 73.6

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#22

Diisopropyl ether

Concen: 19.500 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Tgt Ion: 45 Resp: 127226

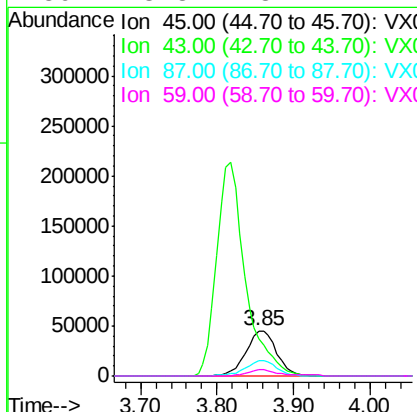
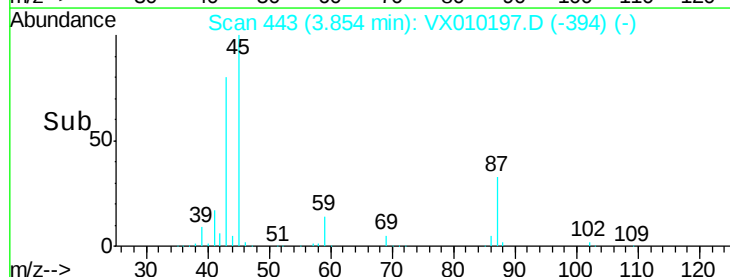
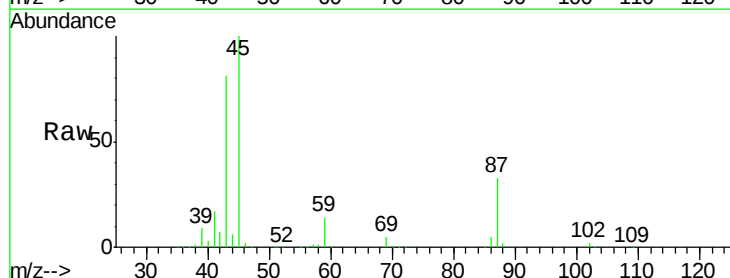
Ion Ratio Lower Upper

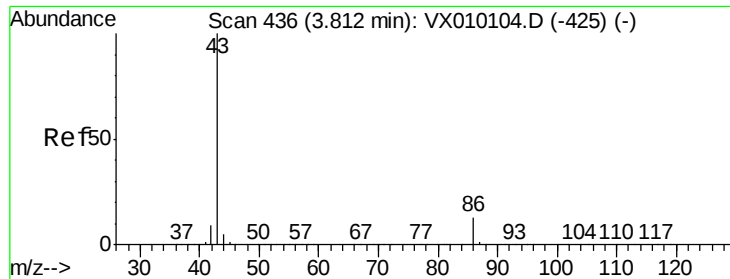
45 100

43 80.2 65.0 97.4

87 32.8 17.3 25.9#

59 13.8 8.1 12.1#





#23

Vinyl Acetate

Concen: 95.901 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion: 43 Resp: 558190

Ion Ratio Lower Upper

43 100

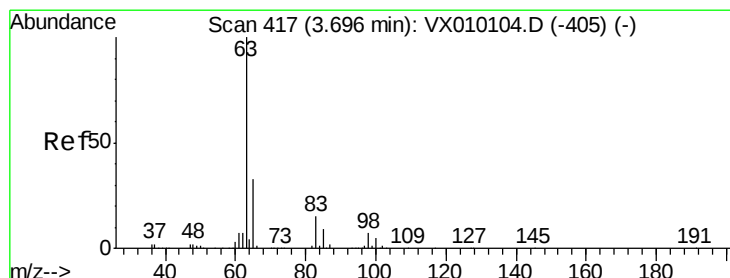
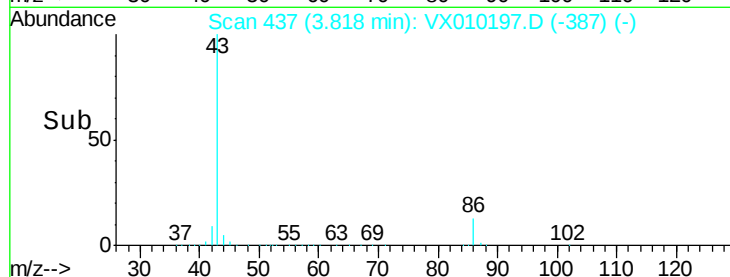
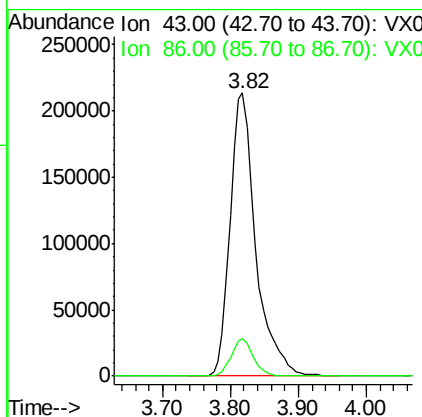
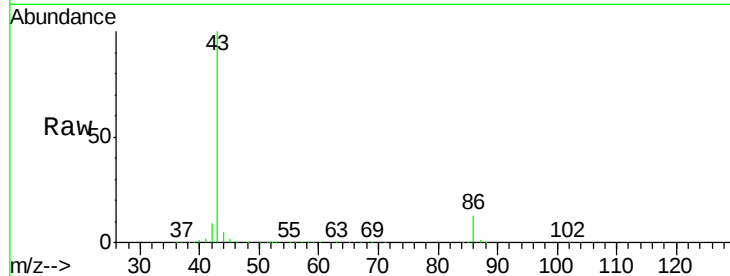
86 13.2 6.5 9.7#

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#24

1,1-Dichloroethane

Concen: 18.694 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

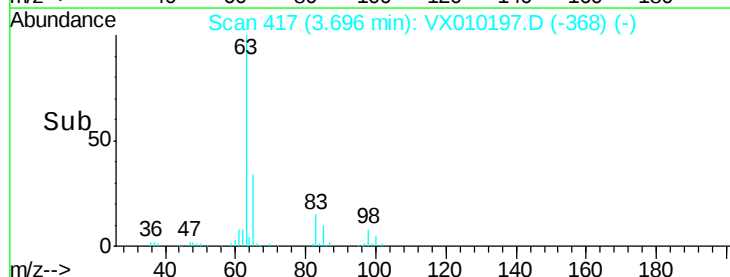
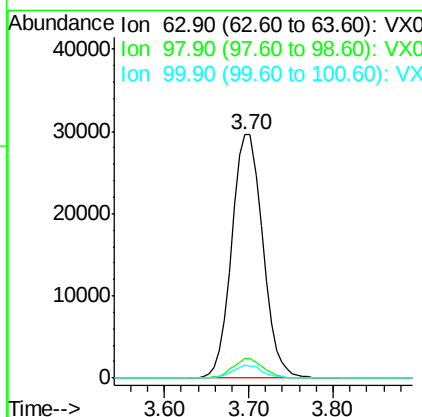
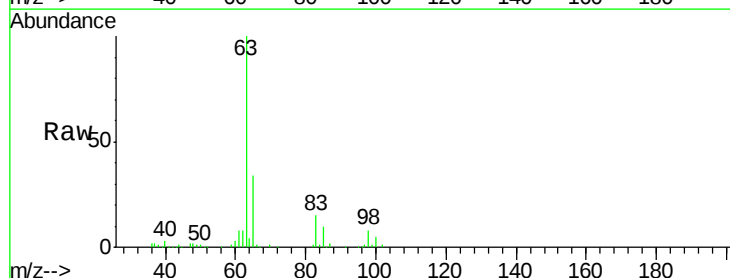
Tgt Ion: 63 Resp: 74053

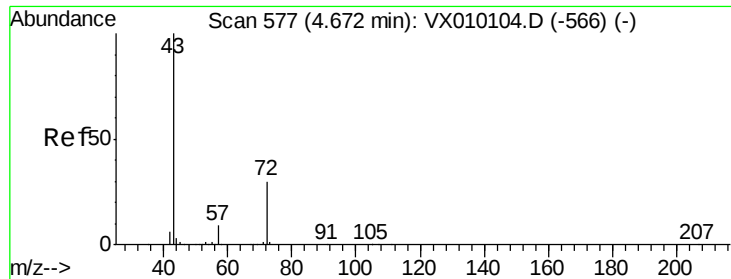
Ion Ratio Lower Upper

63 100

98 7.9 2.9 8.8

100 5.5 1.8 5.4#





#25

2-Butanone

Concen: 98.820 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion: 43 Resp: 170036

Ion Ratio Lower Upper

43 100

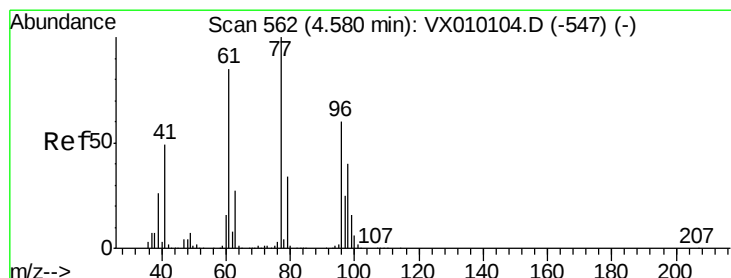
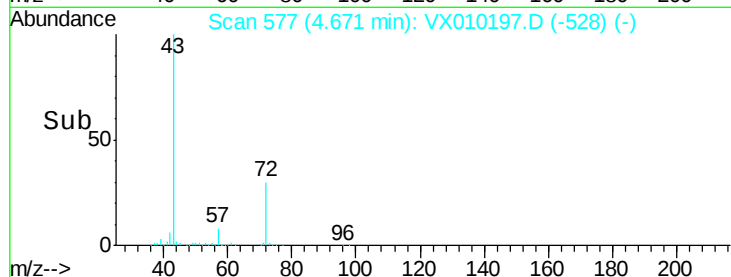
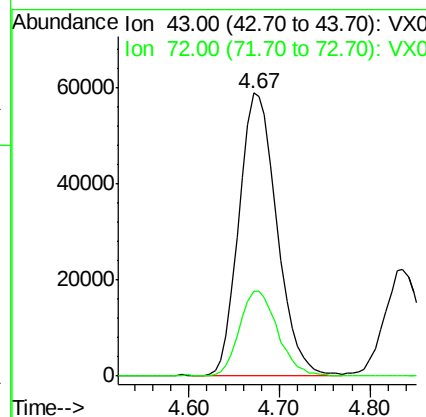
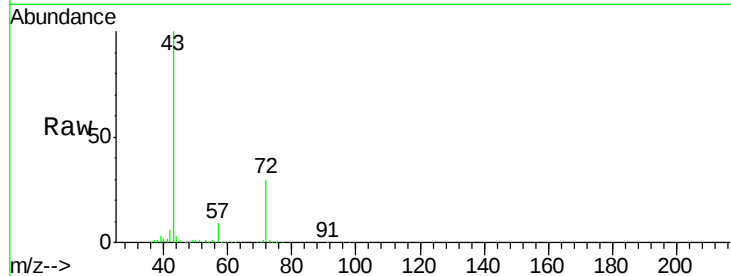
72 29.7 17.5 26.3#

Manual Integrations

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6/11/2019 11:53:56 AM



#26

2,2-Dichloropropane

Concen: 13.972 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010197.D

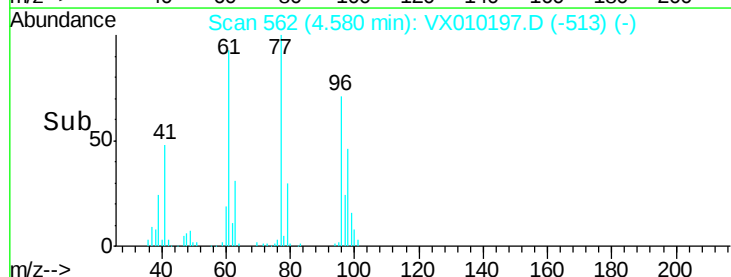
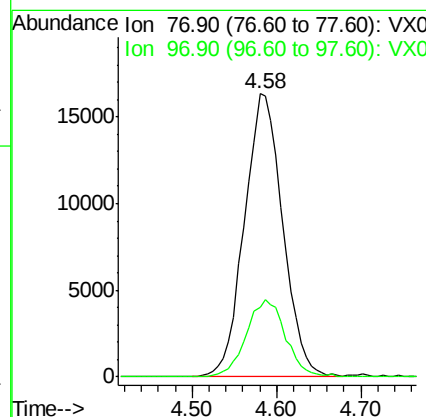
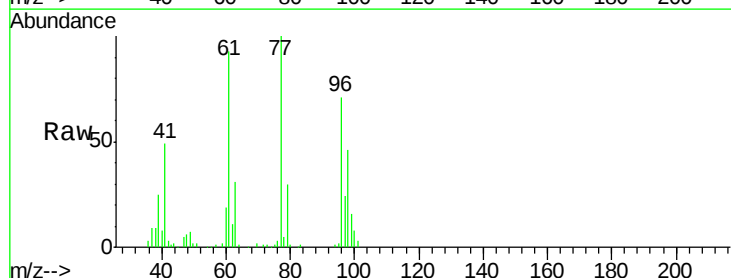
Acq: 10 Jun 2019 23:56

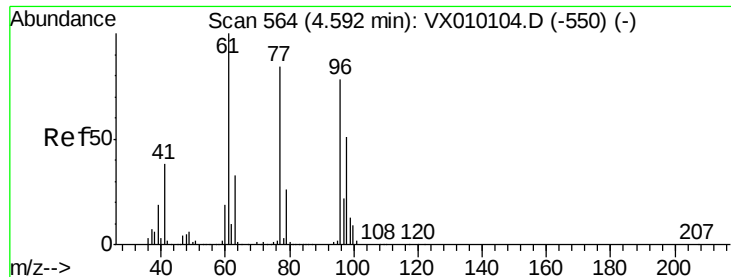
Tgt Ion: 77 Resp: 50494

Ion Ratio Lower Upper

77 100

97 27.9 11.4 34.2





#27

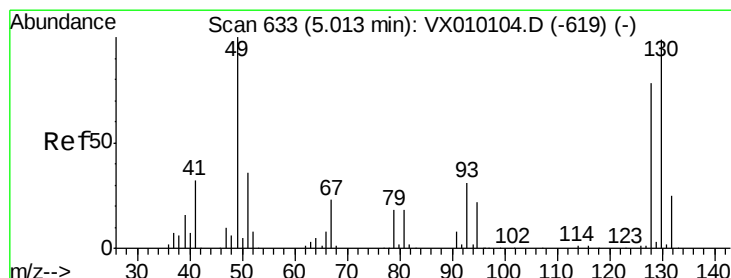
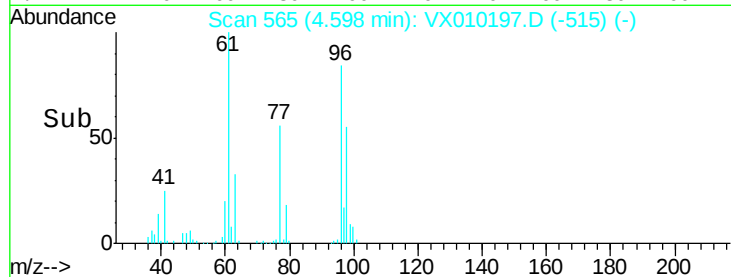
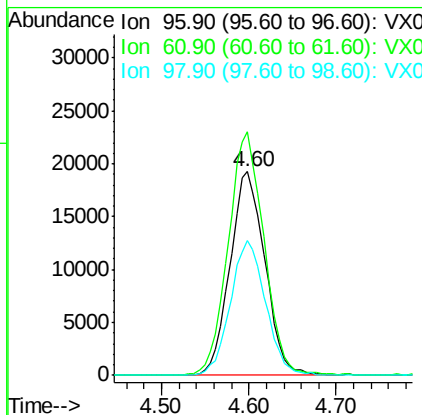
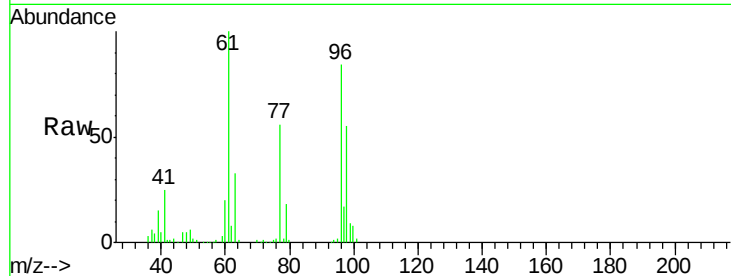
cis-1,2-Dichloroethene
Concen: 19.232 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.6	0.0	334.0
98	66.5	0.0	131.6

Manual Integrations
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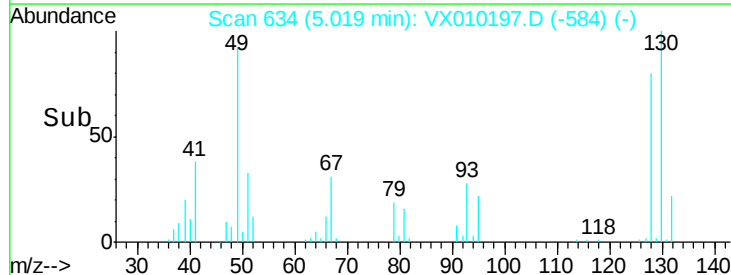
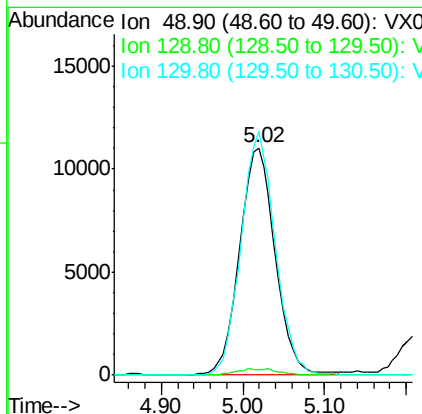
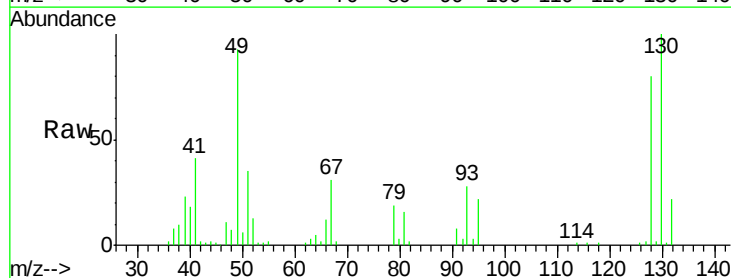
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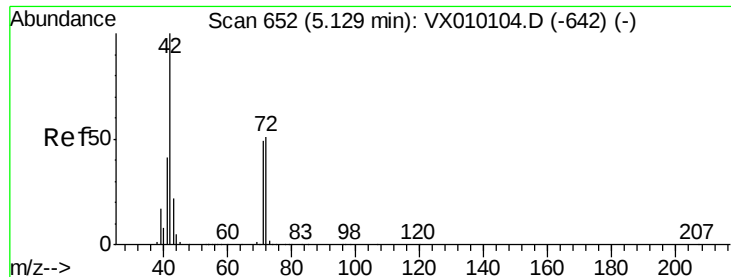


#28

Bromochloromethane
Concen: 18.888 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	3.4
130	102.6	49.4	74.2#





#29

Tetrahydrofuran

Concen: 99.696 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion: 42 Resp: 107807

Ion Ratio Lower Upper

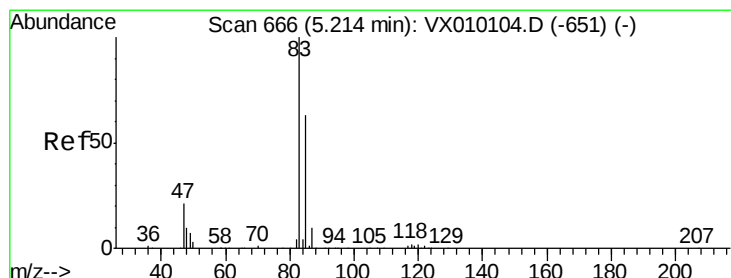
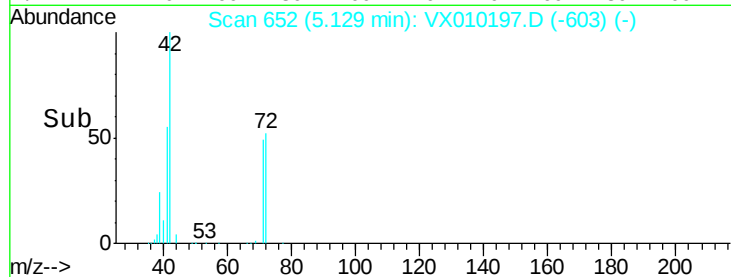
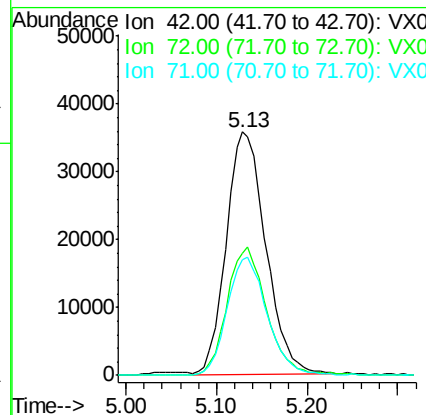
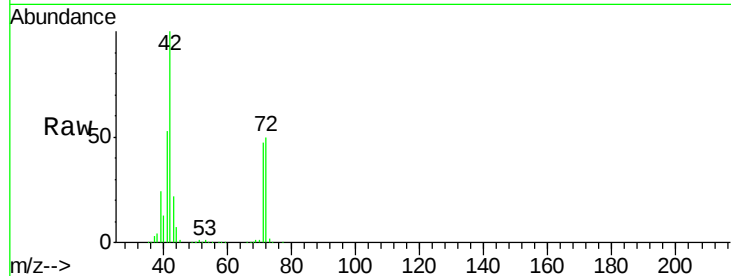
42 100

72 53.4 29.2 43.8#

71 49.3 27.6 41.4#

Manual Integrations
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#30

Chloroform

Concen: 19.139 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX010197.D

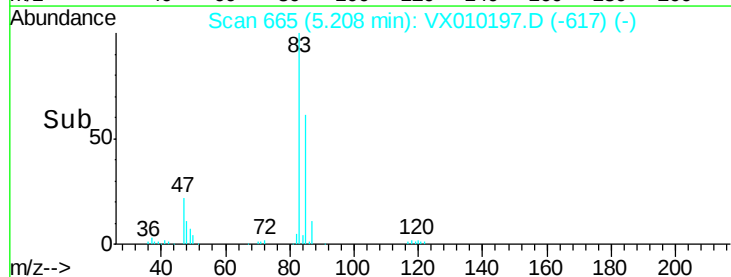
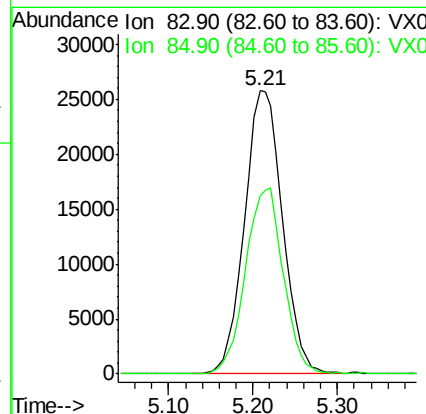
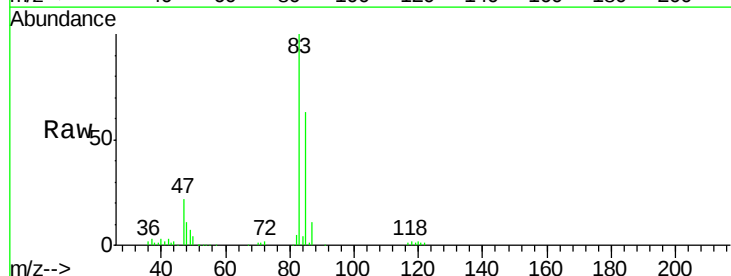
Acq: 10 Jun 2019 23:56

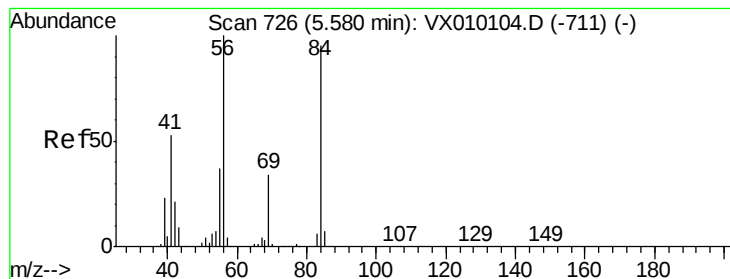
Tgt Ion: 83 Resp: 78740

Ion Ratio Lower Upper

83 100

85 63.2 52.6 78.8





#31

Cyclohexane

Concen: 19.274 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

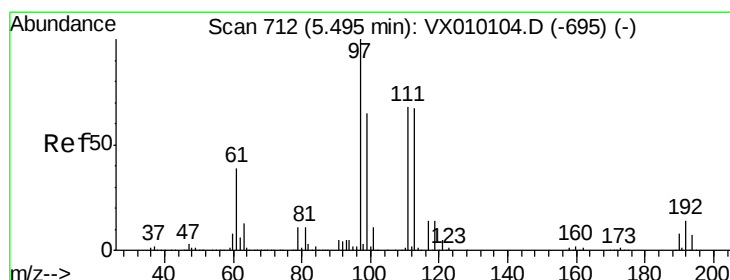
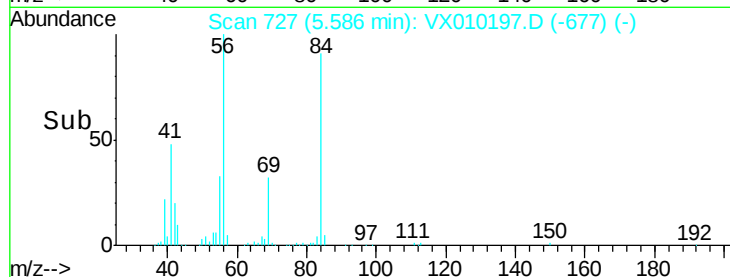
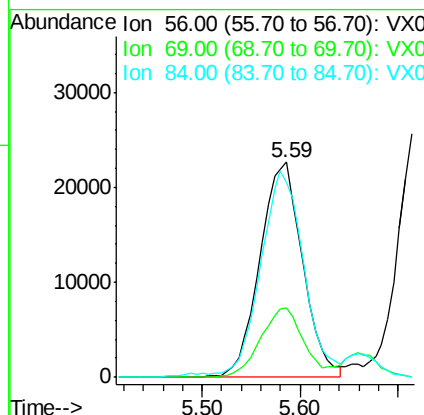
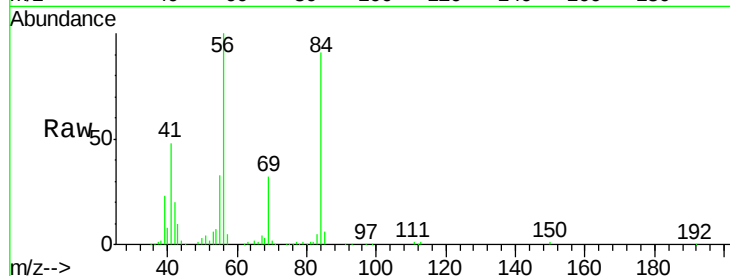
ClientSampleId :

VX0610WBSD03

Tot Ion:	56	Resp:	68909
Ion	Ratio	Lower	Upper
56	100		
69	32.4	21.6	32.4
84	88.8	56.8	85.2#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.444 ug/l

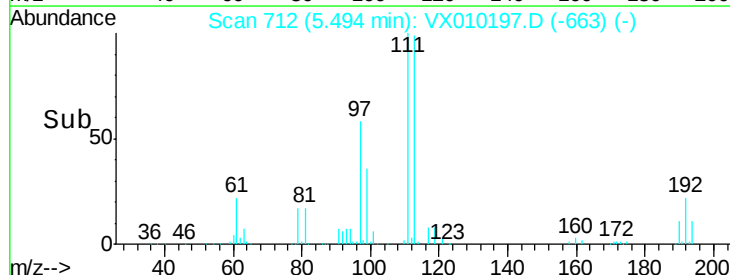
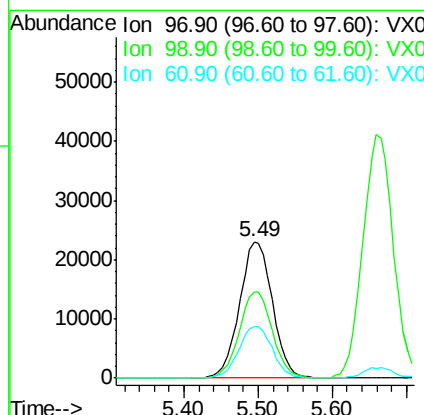
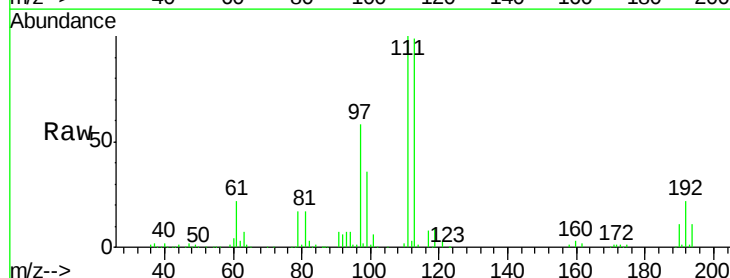
RT: 5.49 min Scan# 712

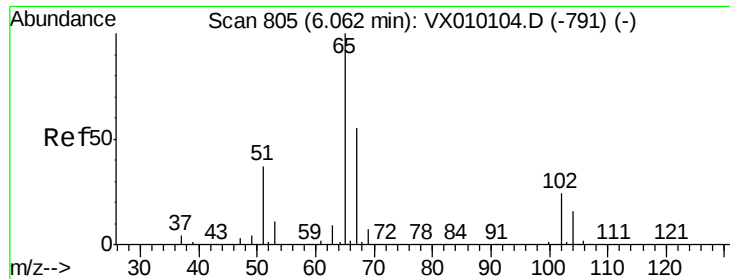
Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Tgt Ion:	97	Resp:	71336
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	39.0	38.7	58.1





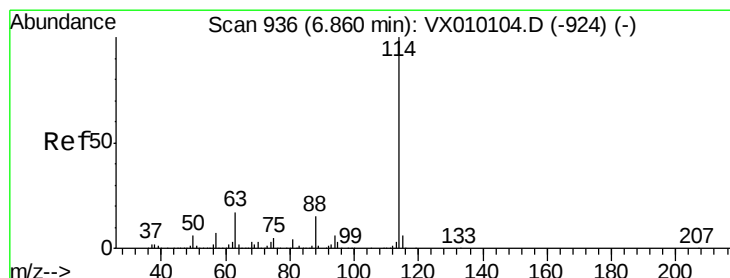
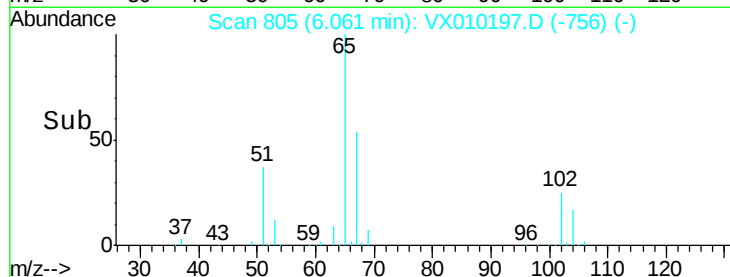
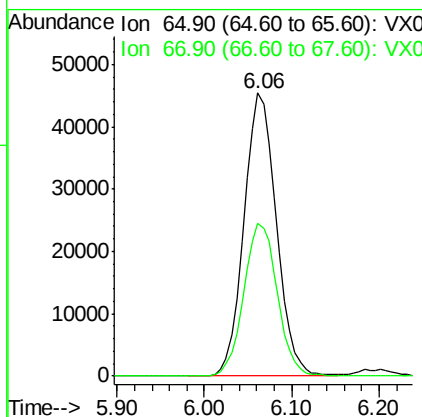
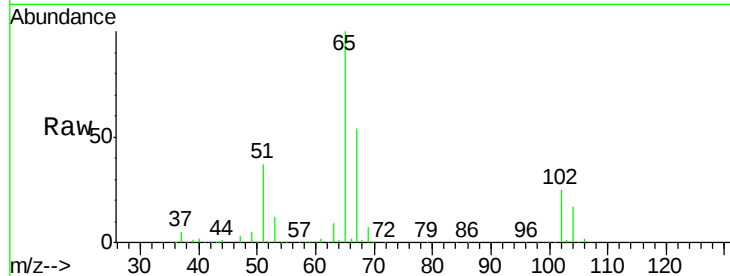
#33
 1,2-Dichloroethane-d4
 Concen: 47.621 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010197.D
 Acq: 10 Jun 2019 23:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBSD03

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	108.4

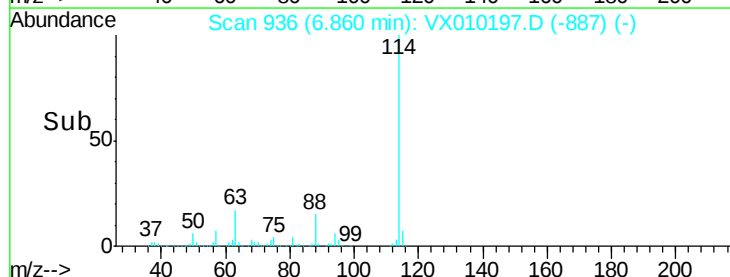
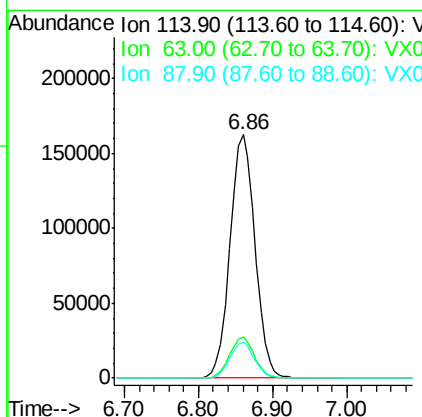
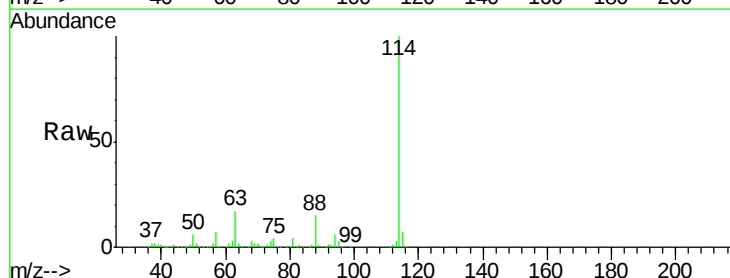
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010197.D
 Acq: 10 Jun 2019 23:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	47.4
88	14.7	0.0	33.0





#35

Dibromofluoromethane

Concen: 49.931 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

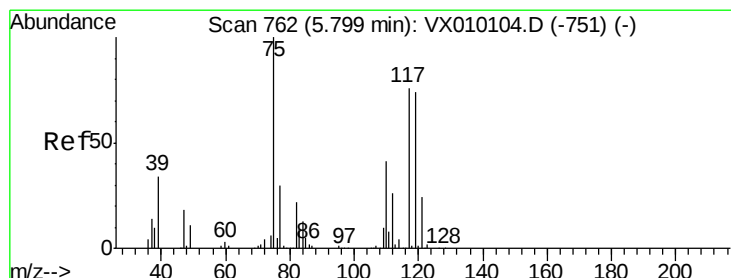
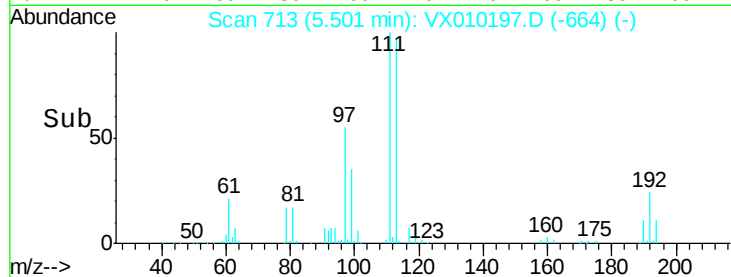
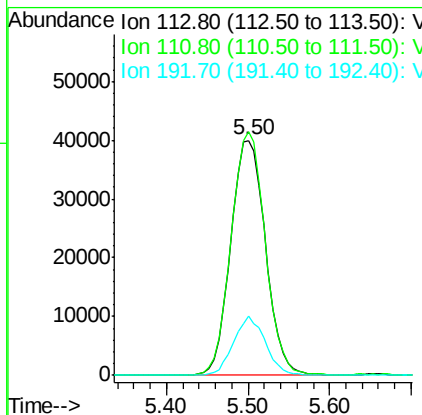
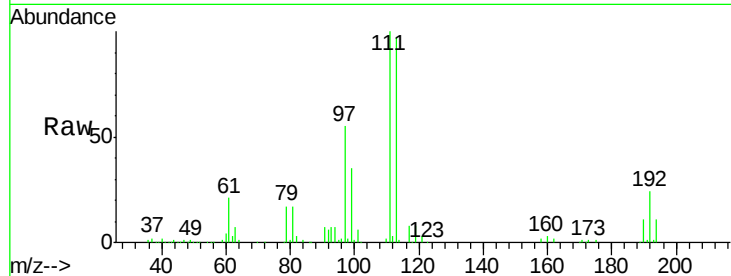
ClientSampleId :

VX0610WBSD03

Tot Ion:	113	Resp:	118080
Ion Ratio	Lower	Upper	
113	100		
111	101.2	82.2	123.2
192	22.9	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.494 ug/l

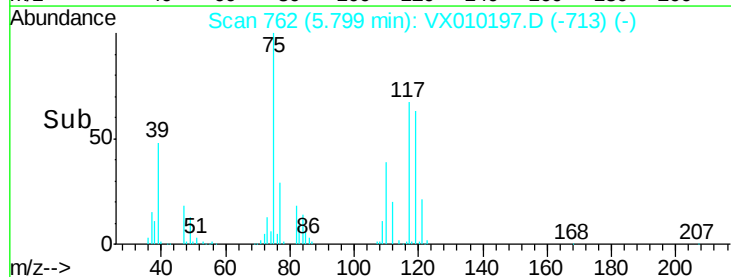
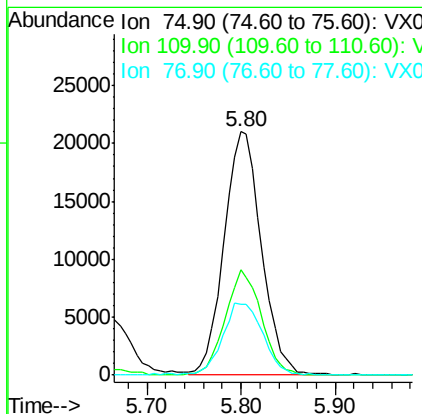
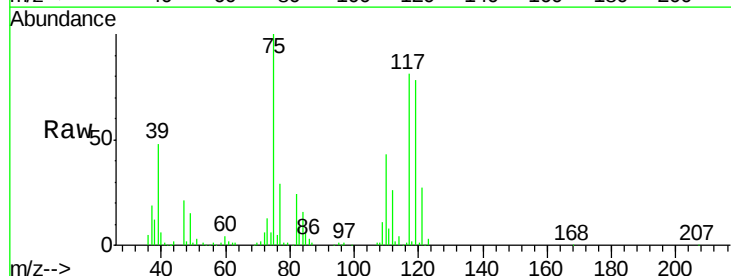
RT: 5.80 min Scan# 762

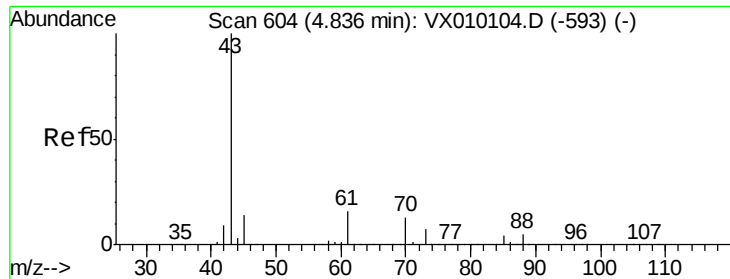
Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Tgt Ion:	75	Resp:	57847
Ion Ratio	Lower	Upper	
75	100		
110	41.7	16.7	50.1
77	31.9	25.0	37.4





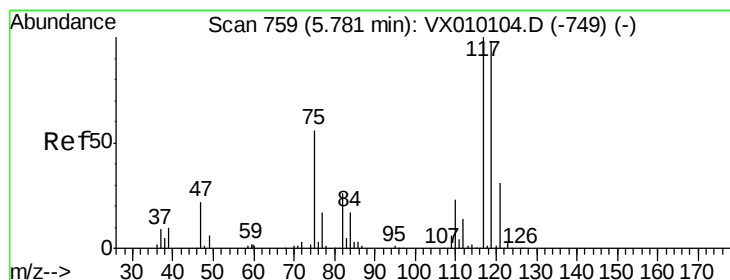
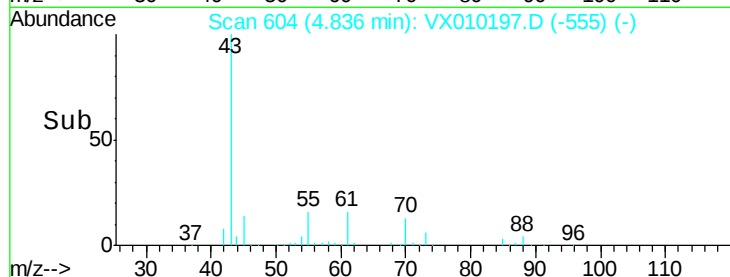
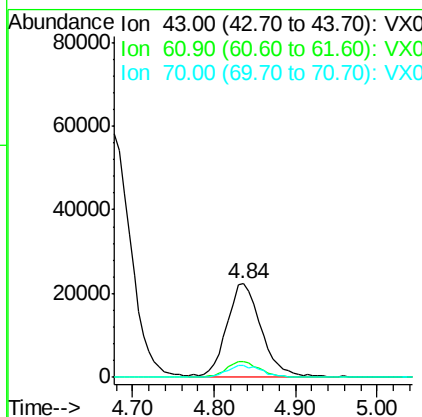
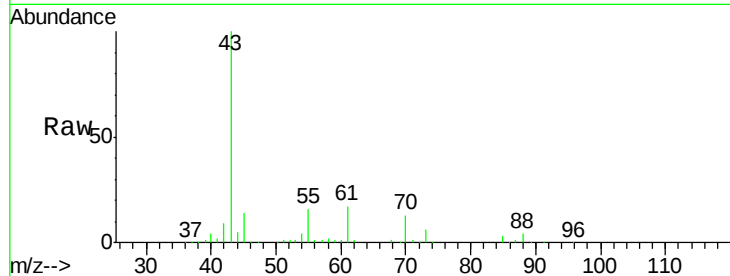
#37
Ethyl Acetate
Concen: 19.757 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.0	10.2	15.2#
70	13.2	7.4	11.2#

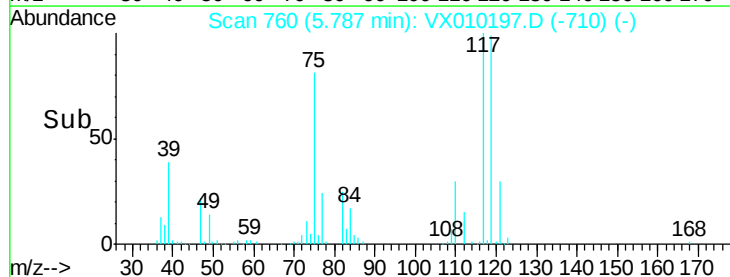
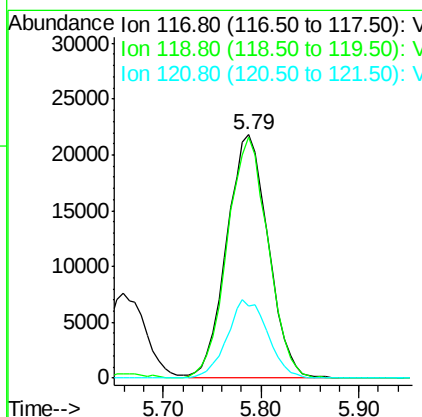
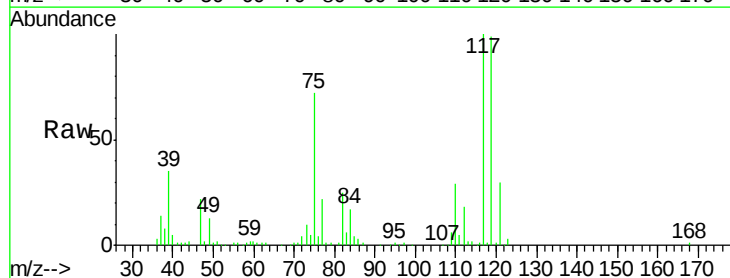
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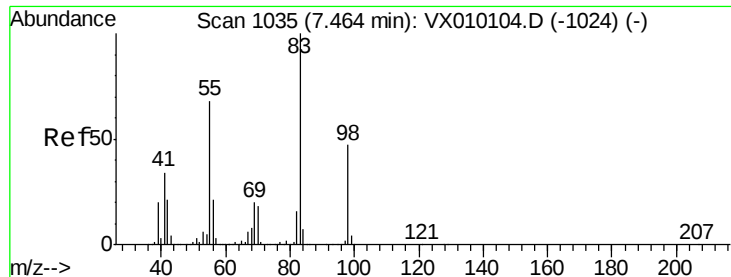
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#38
Carbon Tetrachloride
Concen: 18.118 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	77.3	115.9
121	29.8	25.4	38.0





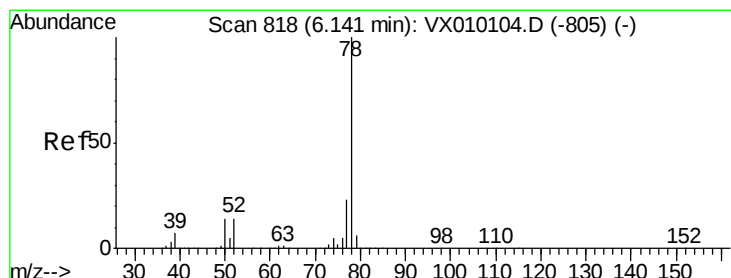
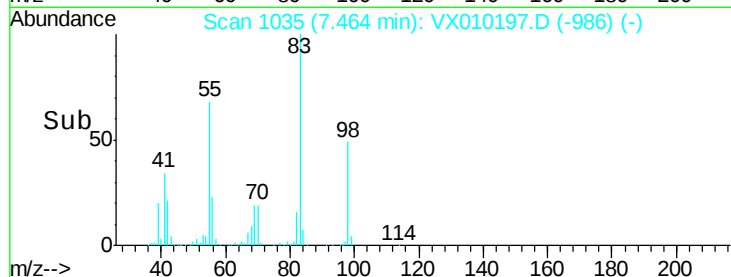
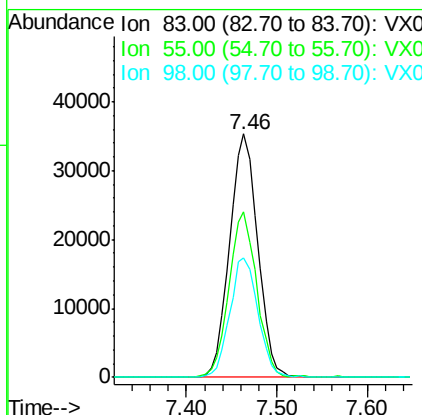
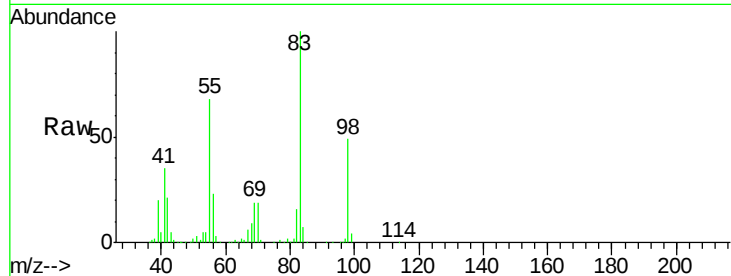
#39
Methvlcvclohexane
Concen: 17.901 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	69.9	104.9#
98	48.9	35.1	52.7

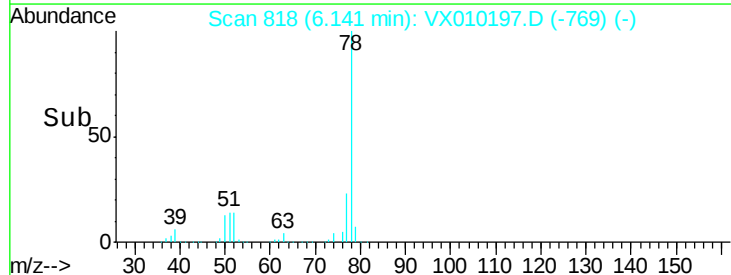
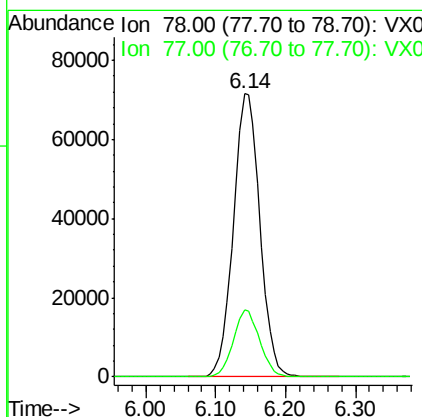
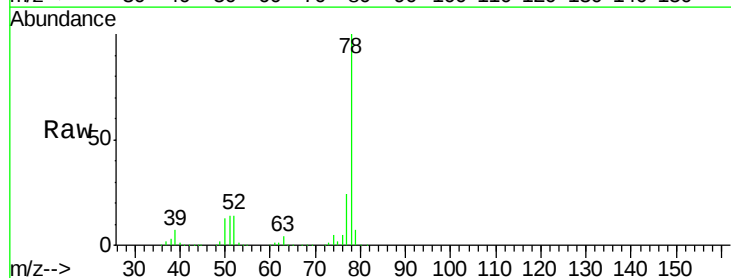
Manual Integrations
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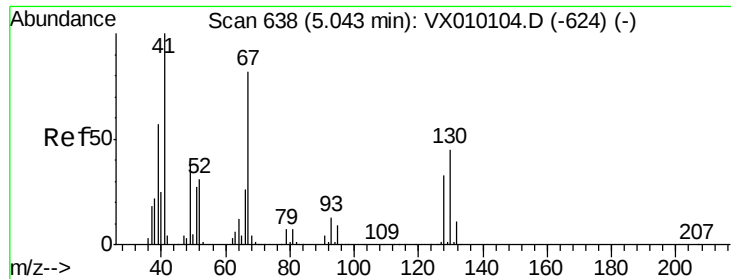
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#40
Benzene
Concen: 19.465 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





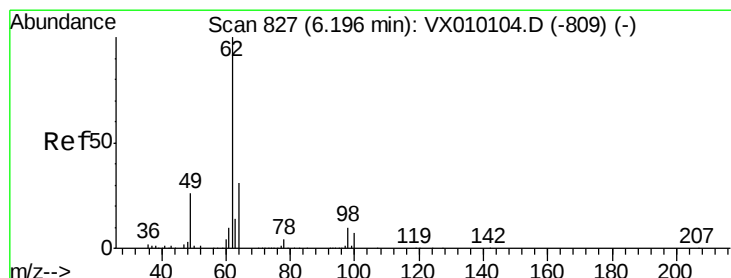
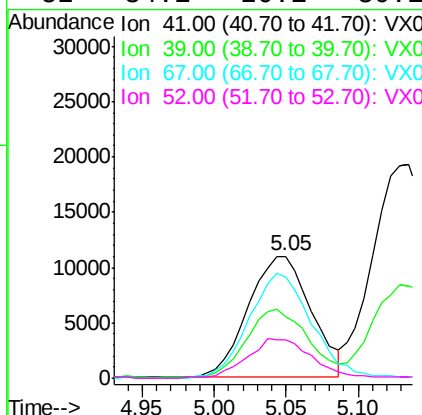
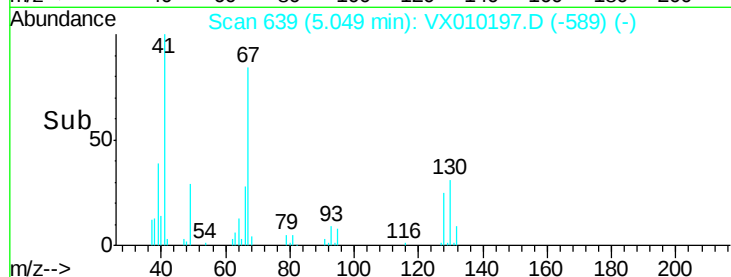
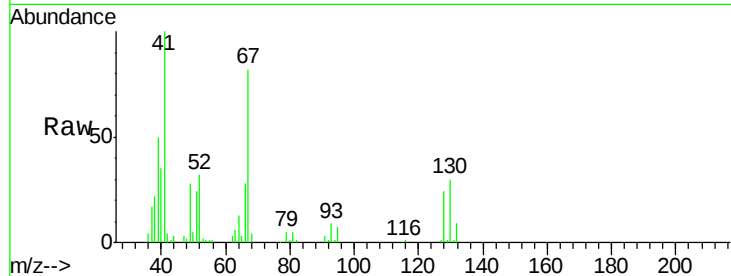
#41
Methacrylonitrile
Concen: 18.690 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.6	42.2	63.4
67	87.3	48.9	73.3#
52	34.1	20.1	30.1#

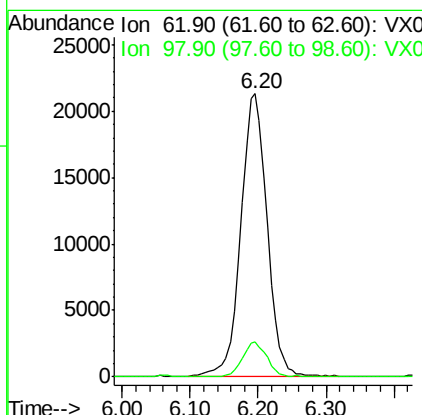
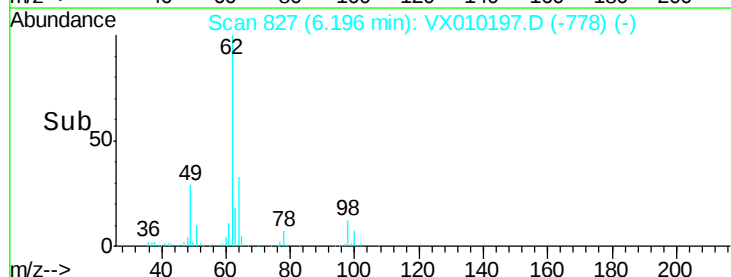
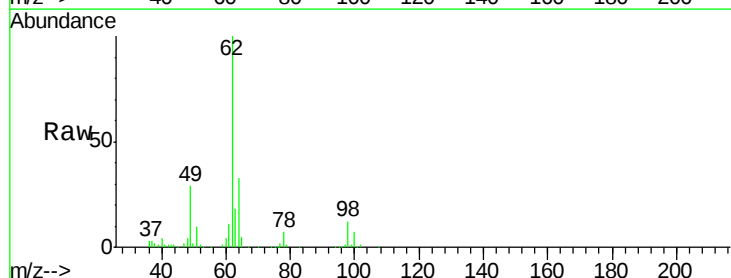
Manual Integrations
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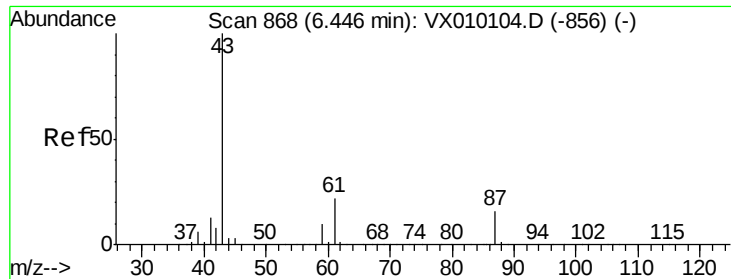
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#42
1,2-Dichloroethane
Concen: 18.579 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	17.2





#43

Isopropyl Acetate

Concen: 19.159 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

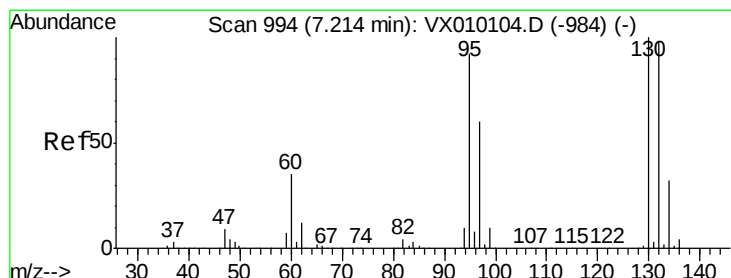
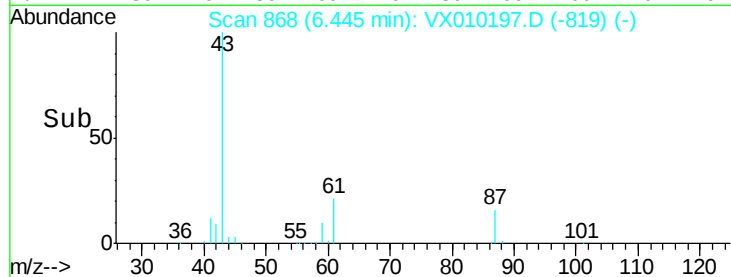
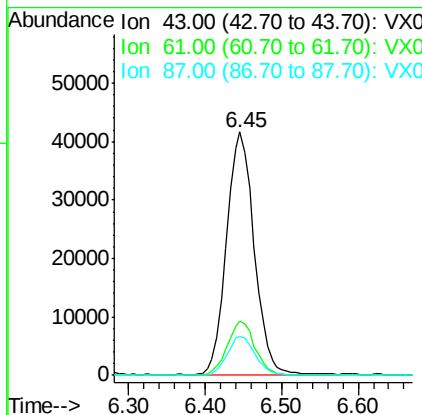
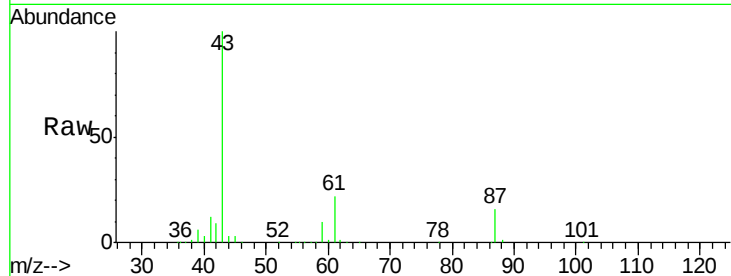
ClientSampleId :

VX0610WBSD03

Tot Ion:	43	Resp:	104255
Ion Ratio		Lower	Upper
43	100		
61	22.4	14.6	21.8#
87	16.2	8.7	13.1#

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#44

Trichloroethene

Concen: 19.245 ug/l

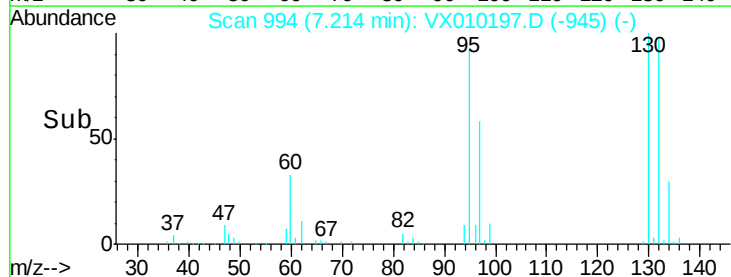
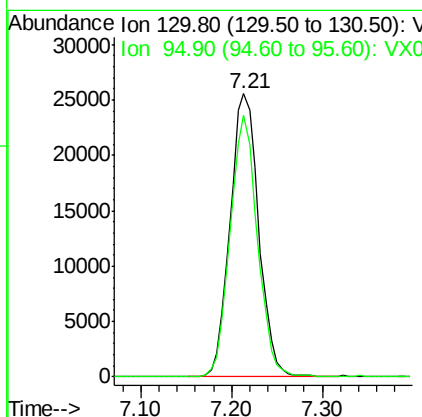
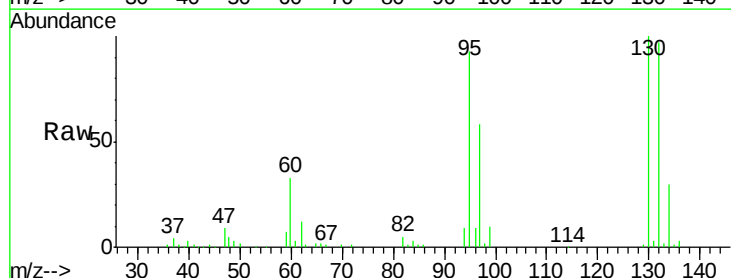
RT: 7.21 min Scan# 994

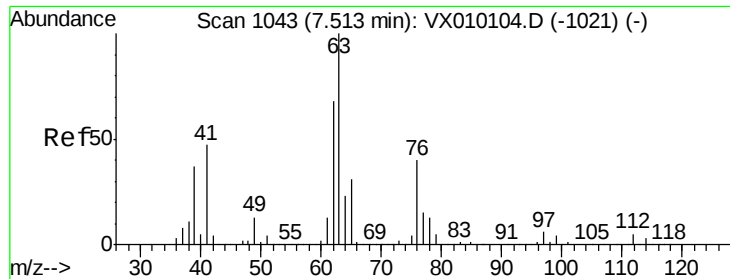
Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Tgt Ion:	130	Resp:	56108
Ion Ratio		Lower	Upper
130	100		
95	92.6	0.0	207.4





#45

1,2-Dichloropropane

Concen: 19.299 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampled :

VX0610WBSD03

Tot Ion: 63 Resp: 46720

Ion Ratio Lower Upper

63 100

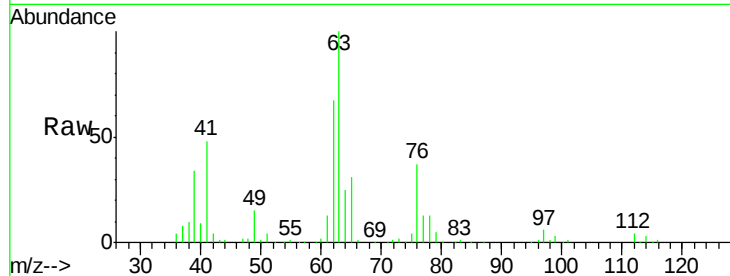
65 30.5 25.7 38.5

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6/11/2019 11:53:56 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

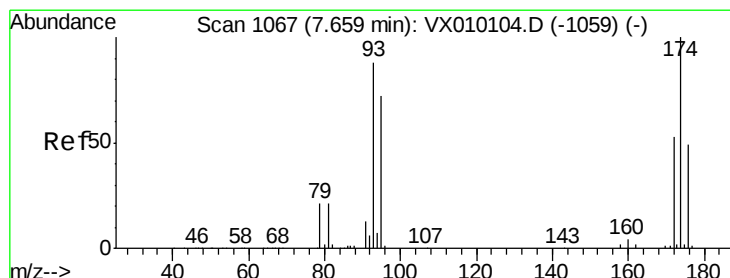
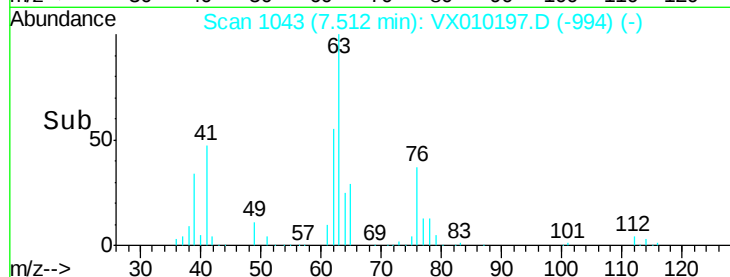
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 18.495 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

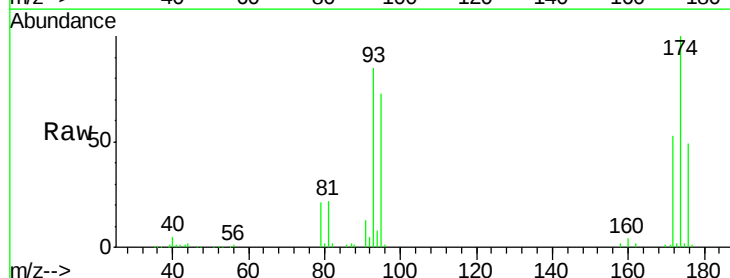
Tgt Ion: 93 Resp: 33544

Ion Ratio Lower Upper

93 100

95 84.2 66.8 100.2

174 120.5 81.9 122.9



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

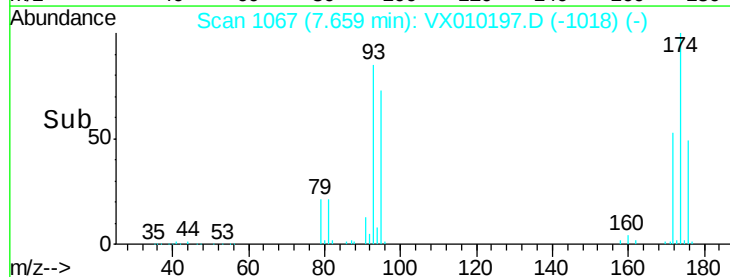
10000

5000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 18.597 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

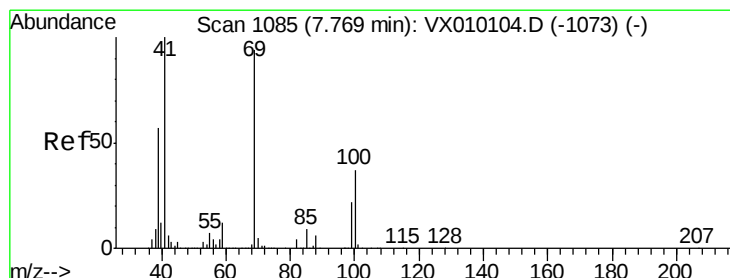
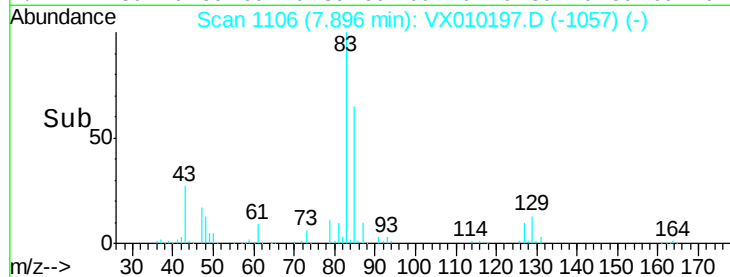
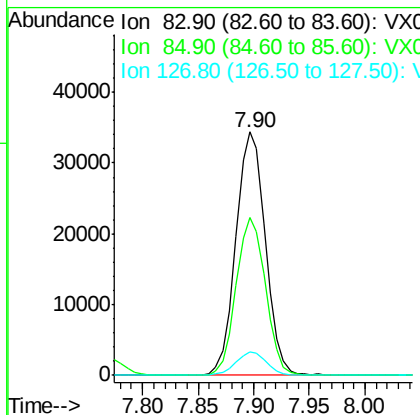
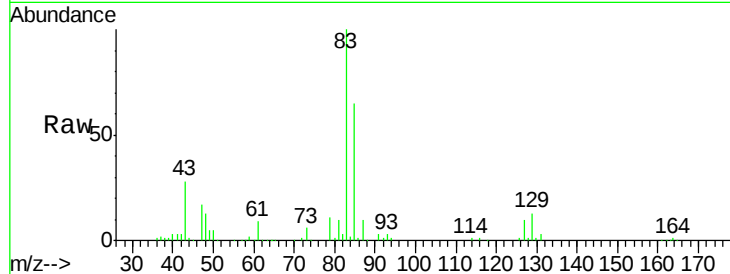
ClientSampleId :

VX0610WBSD03

Tot Ion:	83	Resp:	63024
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2
127	9.8	6.4	9.6#

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#48

Methyl methacrylate

Concen: 19.177 ug/l

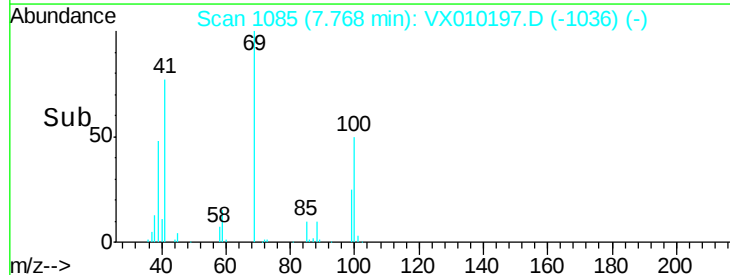
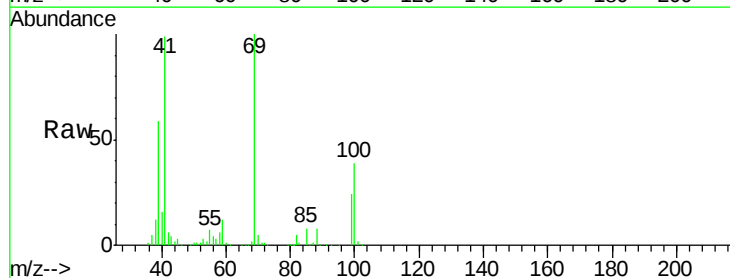
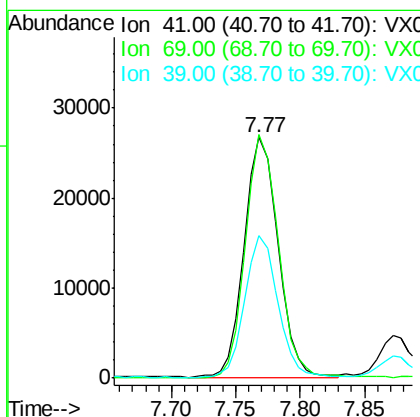
RT: 7.77 min Scan# 1085

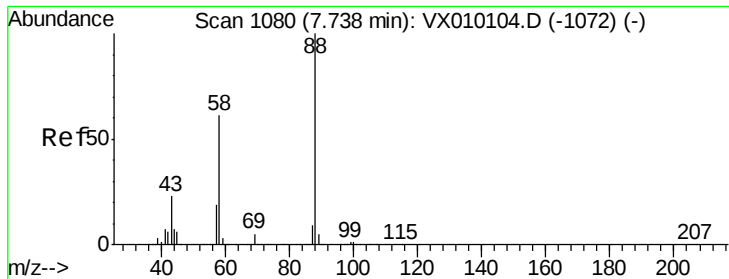
Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Tgt Ion:	41	Resp:	48803
Ion	Ratio	Lower	Upper
41	100		
69	98.7	56.4	84.6#
39	58.7	40.6	60.8





#49

1,4-Dioxane

Concen: 401.923 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

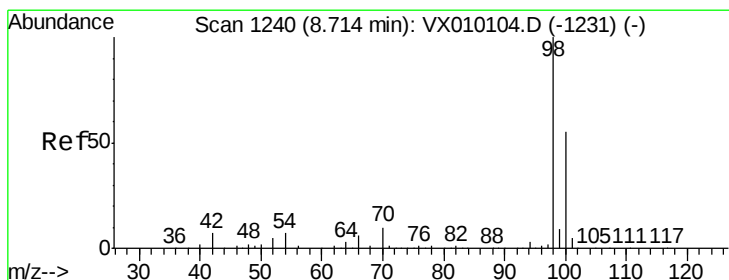
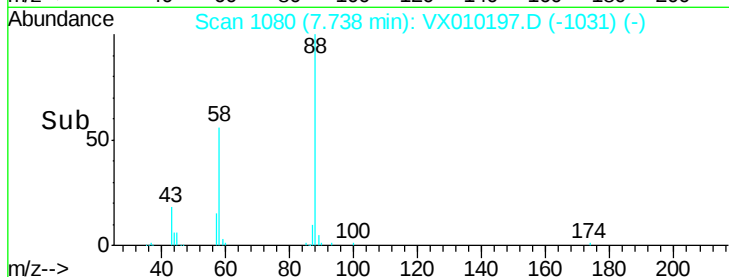
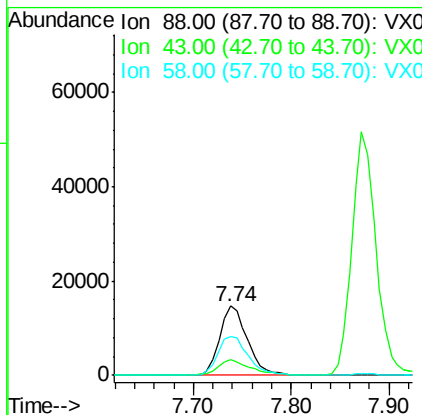
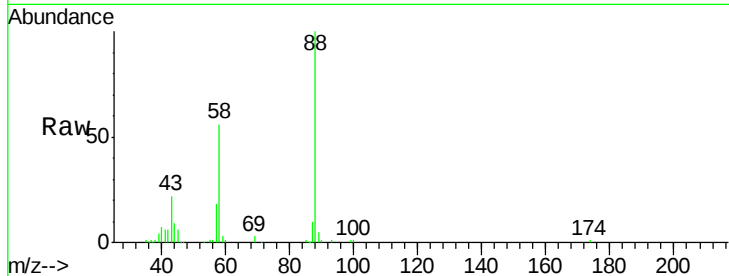
ClientSampled :

VX0610WBSD03

Tot Ion:	88	Resp:	29162
Ion Ratio	Lower	Upper	
88	100		
43	25.0	30.2	45.4#
58	61.9	64.0	96.0#

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#50

Toluene-d8

Concen: 50.700 ug/l

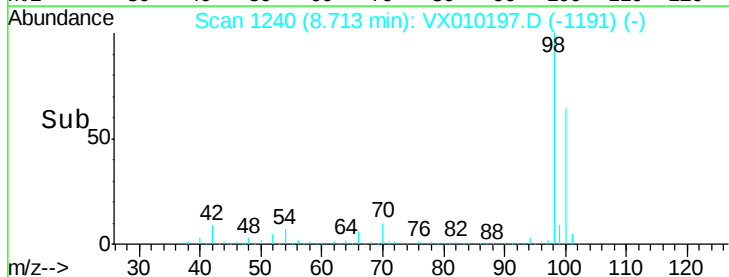
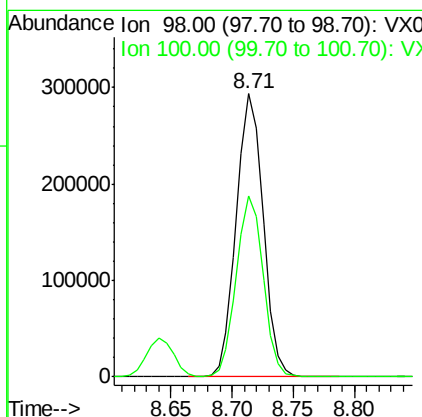
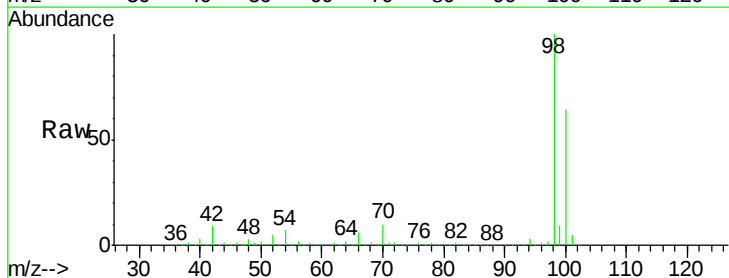
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Tgt Ion:	98	Resp:	449357
Ion Ratio	Lower	Upper	
98	100		
100	63.6	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 103.718 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion: 43 Resp: 337161

Ion Ratio Lower Upper

43 100

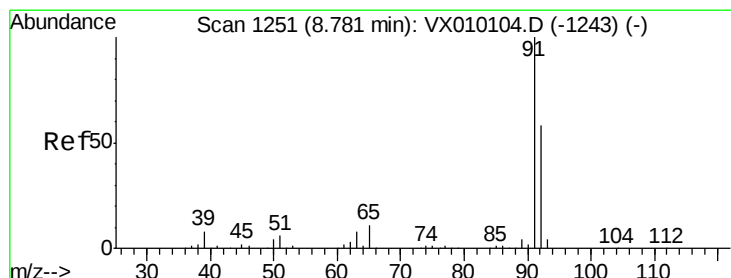
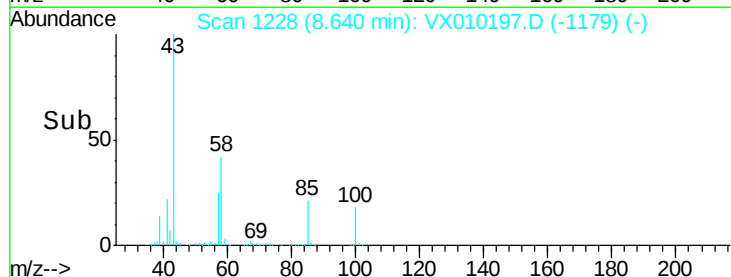
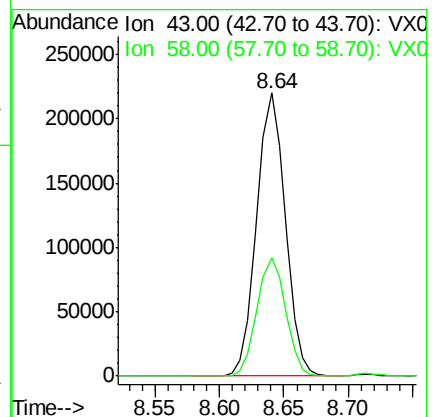
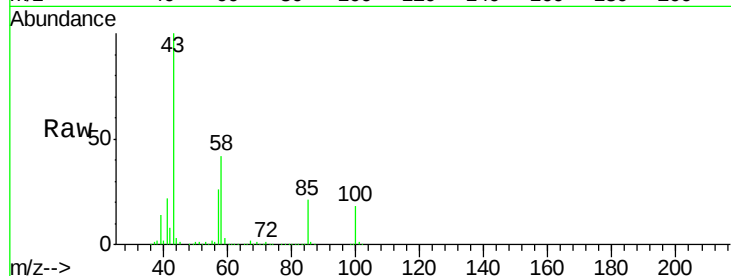
58 42.2 28.8 43.2

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#52

Toluene

Concen: 18.980 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010197.D

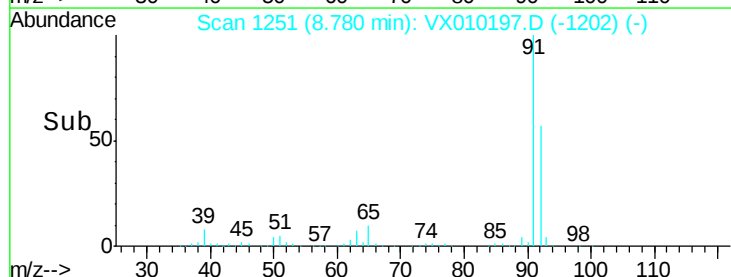
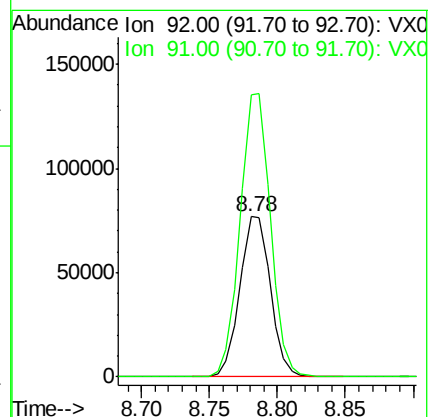
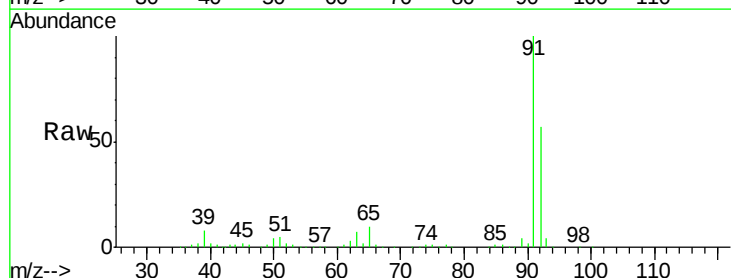
Acq: 10 Jun 2019 23:56

Tgt Ion: 92 Resp: 120670

Ion Ratio Lower Upper

92 100

91 176.6 139.9 209.9





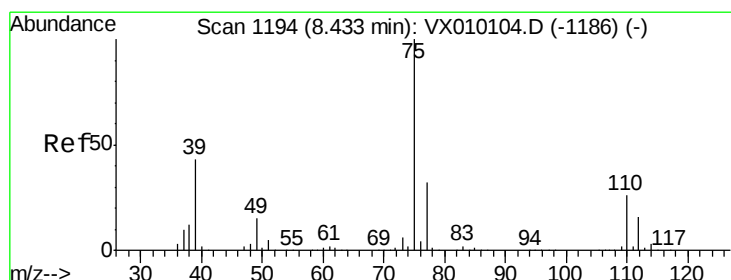
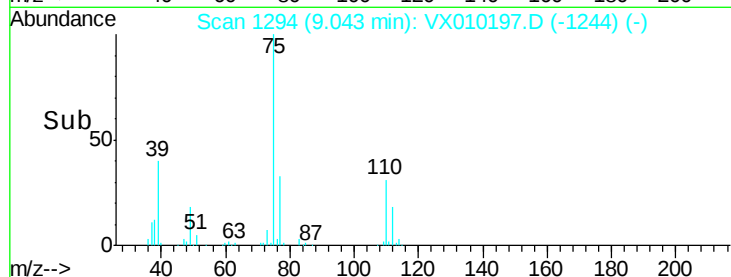
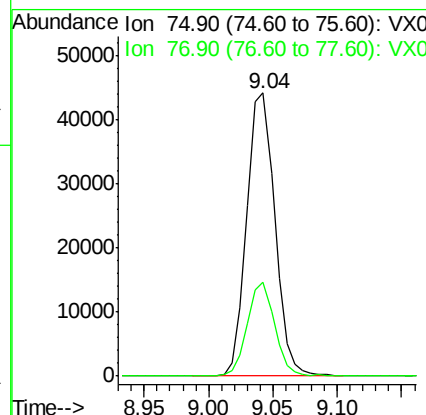
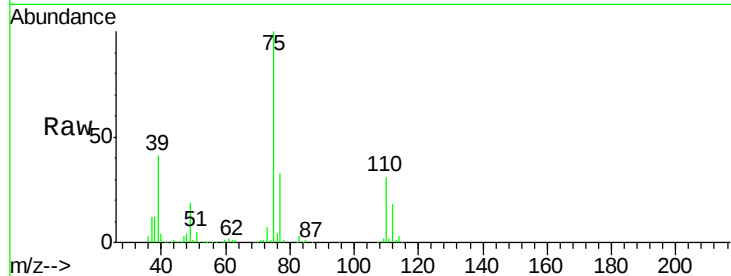
#53
t-1,3-Dichloropropene
Concen: 17.028 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion: 75 Resp: 66750
Ion Ratio Lower Upper
75 100
77 33.4 24.6 36.8

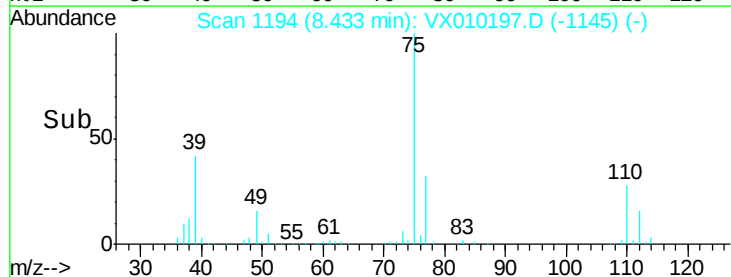
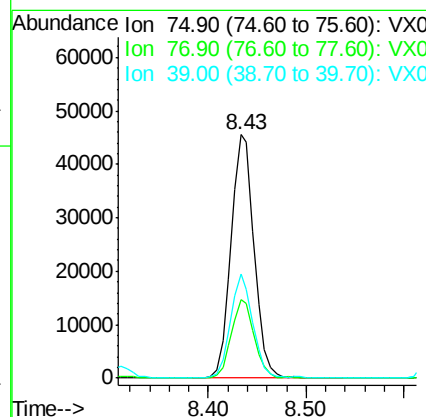
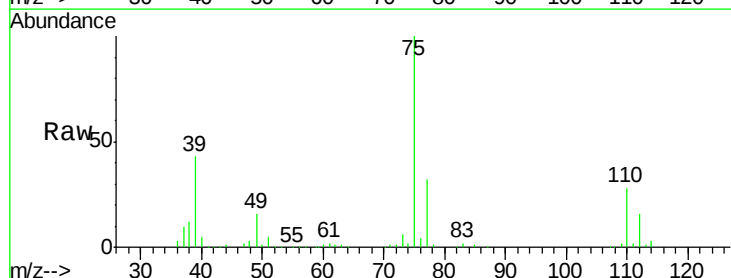
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#54
cis-1,3-Dichloropropene
Concen: 17.699 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion: 75 Resp: 74376
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 42.5 43.4 65.0#





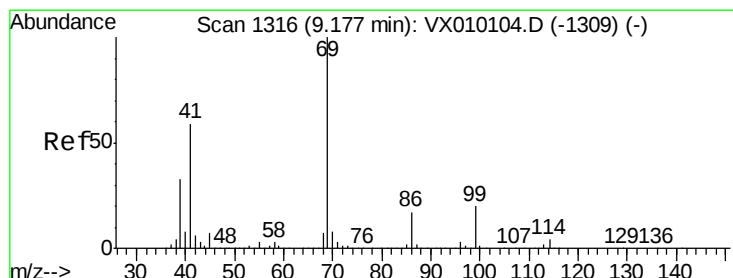
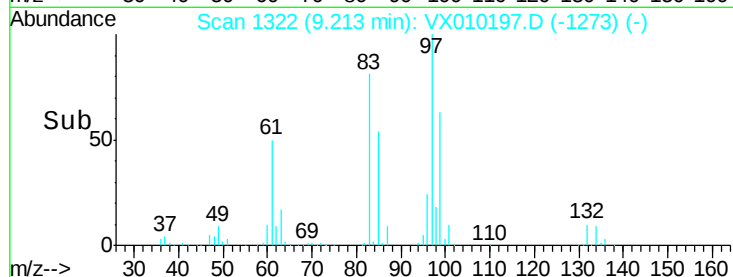
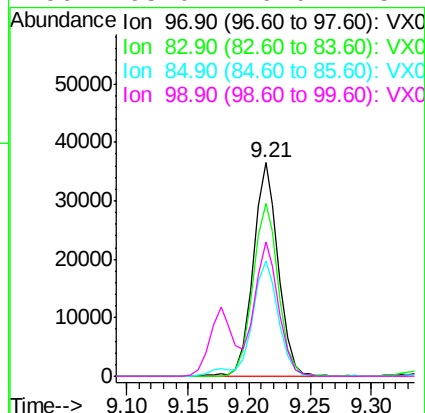
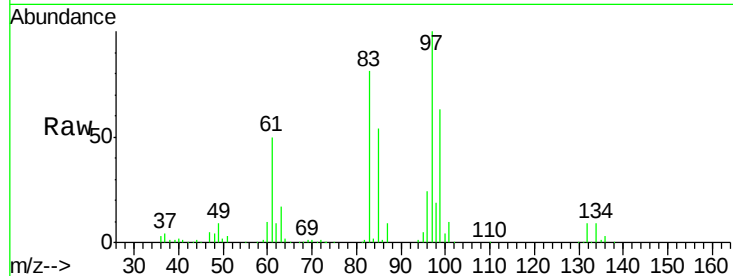
#55
 1,1,2-Trichloroethane
 Concen: 19.996 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010197.D
 Acq: 10 Jun 2019 23:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBSD03

Tot Ion:	97	Resp:	52066
Ion	Ratio	Lower	Upper
97	100		
83	80.5	69.8	104.8
85	54.0	45.3	67.9
99	63.0	49.0	73.4

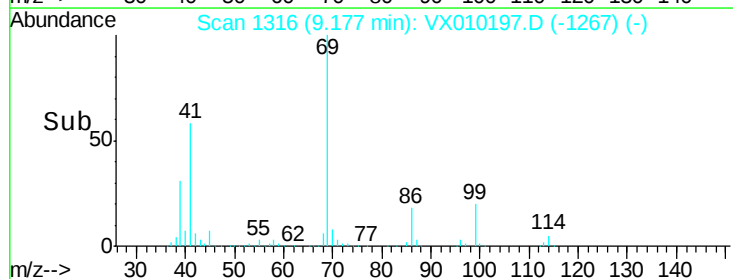
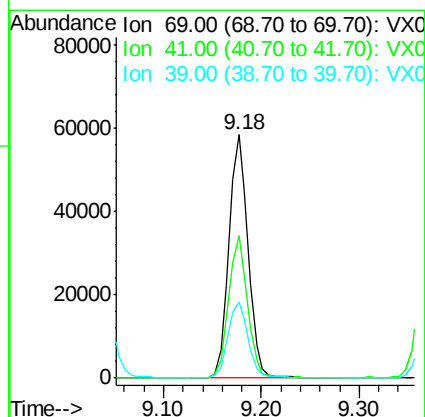
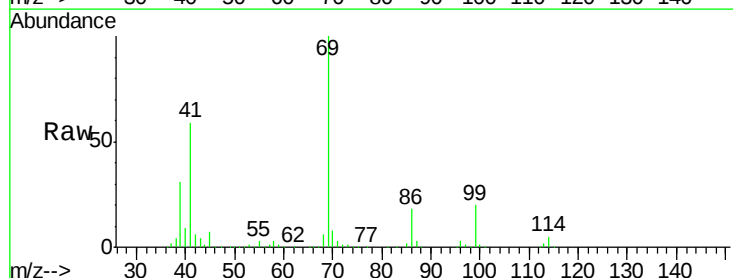
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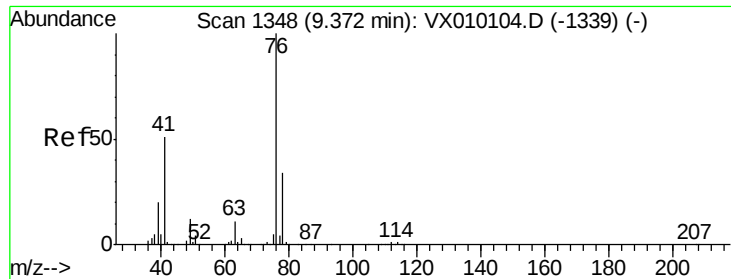
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 6/11/2019 11:53:56 AM



#56
 Ethyl methacrylate
 Concen: 19.325 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010197.D
 Acq: 10 Jun 2019 23:56

Tgt Ion:	69	Resp:	79485
Ion	Ratio	Lower	Upper
69	100		
41	57.2	62.7	94.1#
39	32.2	29.5	44.3





#57

1,3-Dichloropropane

Concen: 19.396 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion: 76 Resp: 79509

Ion Ratio Lower Upper

76 100

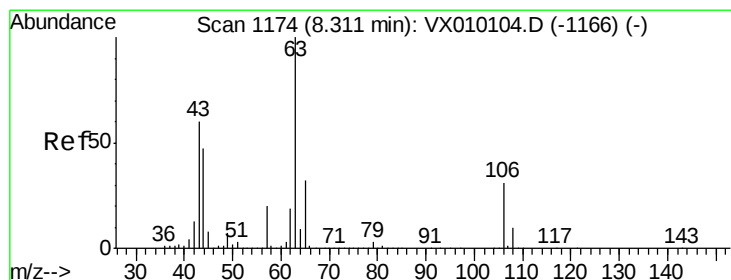
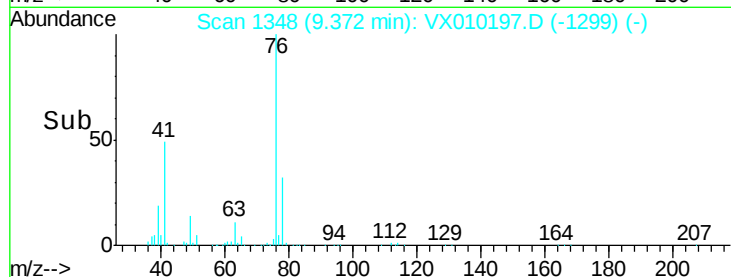
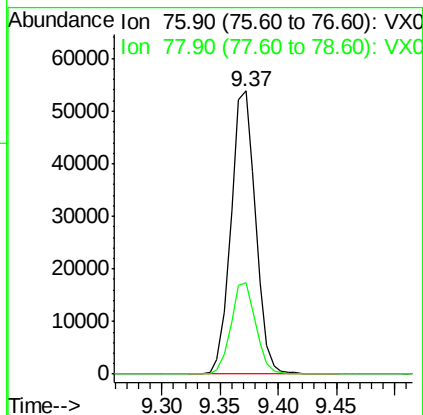
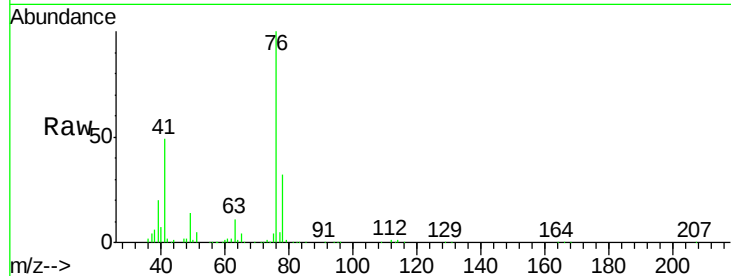
78 32.3 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 93.634 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010197.D

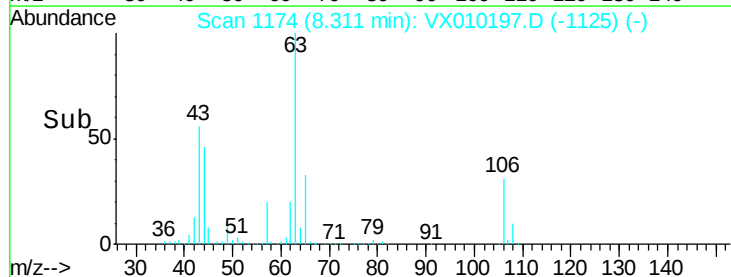
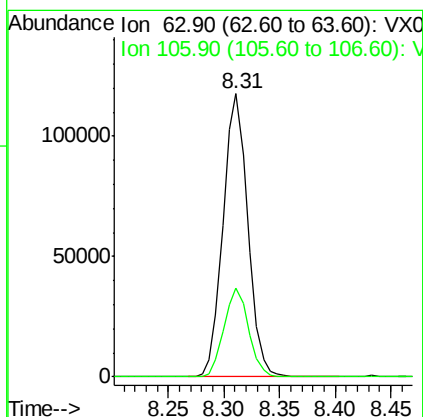
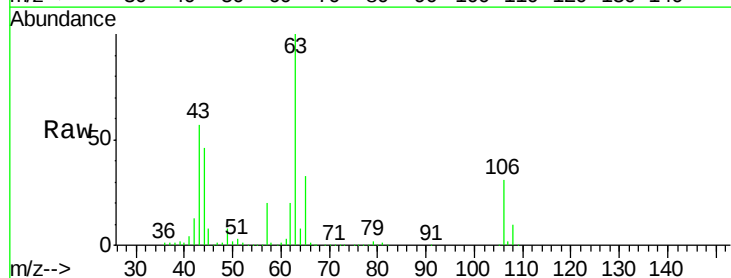
Acq: 10 Jun 2019 23:56

Tgt Ion: 63 Resp: 181561

Ion Ratio Lower Upper

63 100

106 31.2 19.4 29.2#





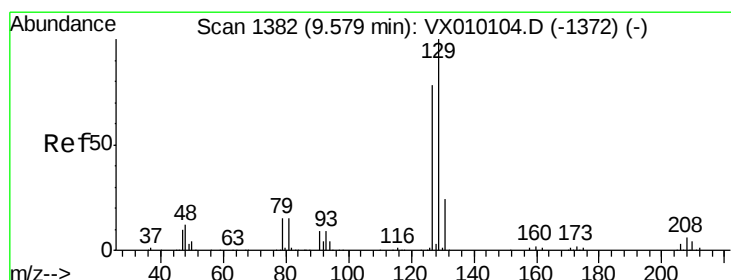
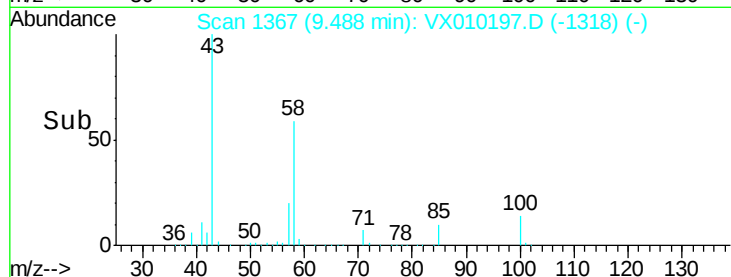
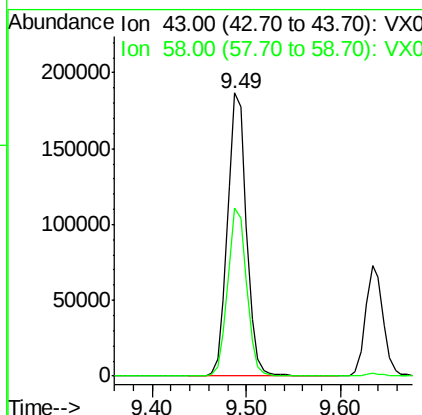
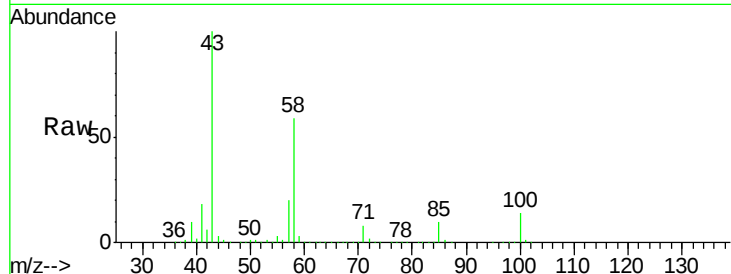
#59
2-Hexanone
Concen: 100.354 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion: 43 Resp: 260103
Ion Ratio Lower Upper
43 100
58 59.4 25.1 75.3

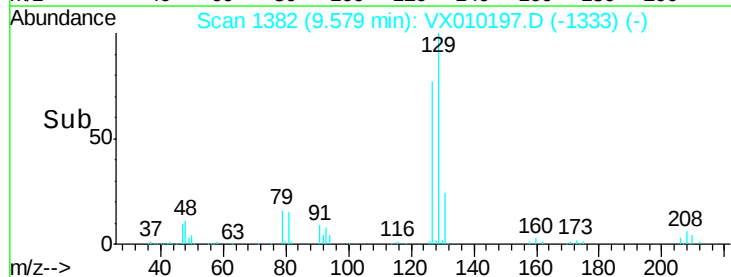
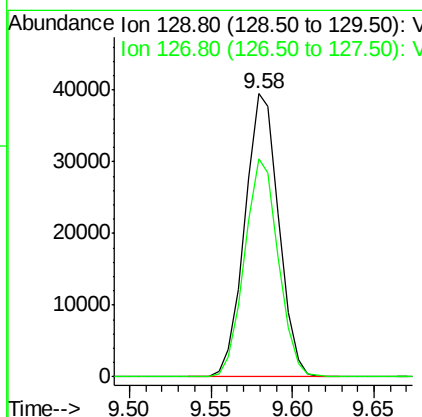
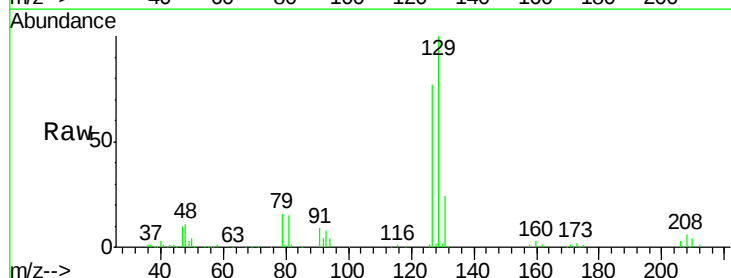
Manual Integrations
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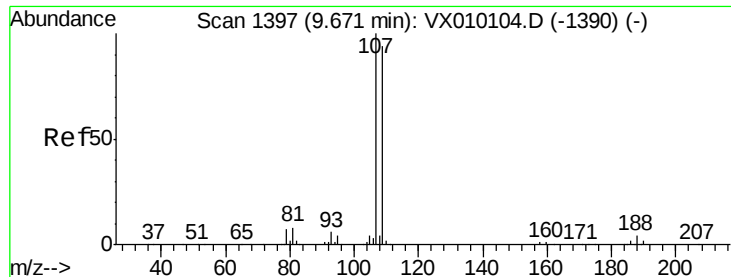
MMDadoda
6/11/2019 11:53:56 AM



#60
Dibromochloromethane
Concen: 18.632 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion: 129 Resp: 57385
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.992 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion:107 Resp: 55076

Ion Ratio Lower Upper

107 100

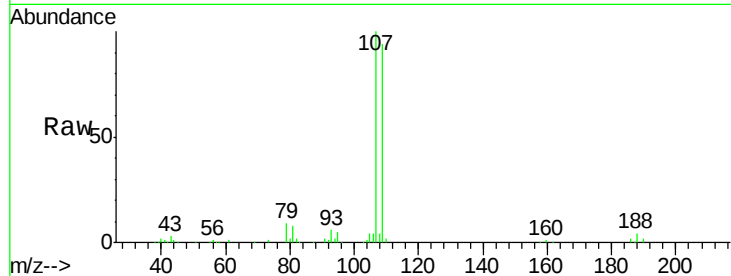
109 95.8 75.4 113.2

Manual Integrations

APPROVED

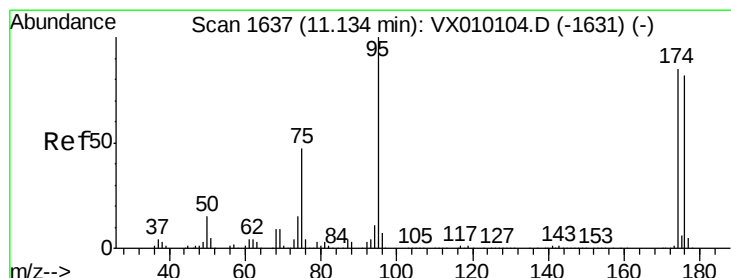
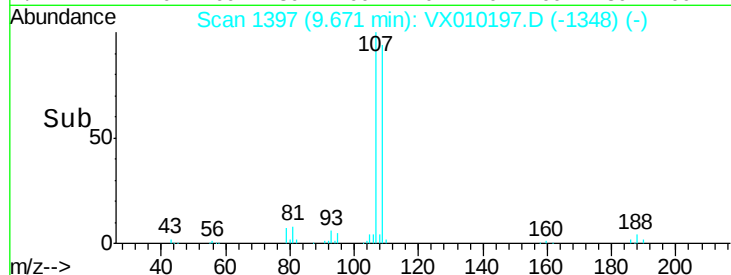
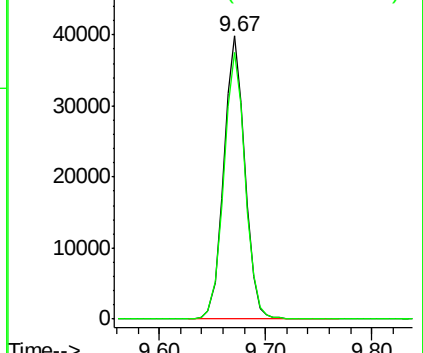
MMDadoda

6/11/2019 11:53:56 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.609 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

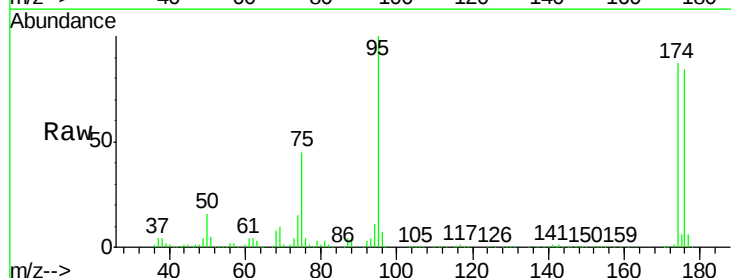
Tgt Ion: 95 Resp: 160898

Ion Ratio Lower Upper

95 100

174 92.1 0.0 160.4

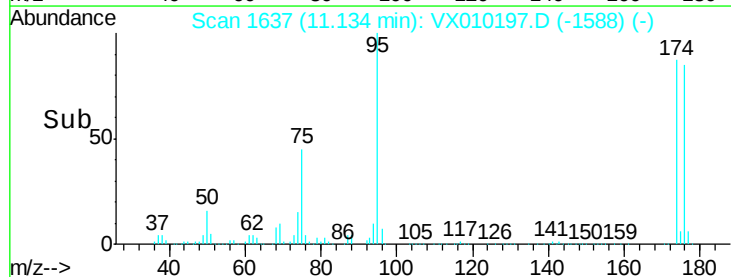
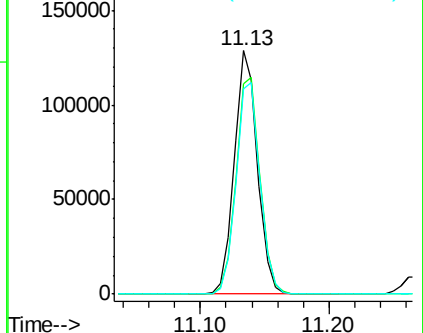
176 89.9 0.0 154.6

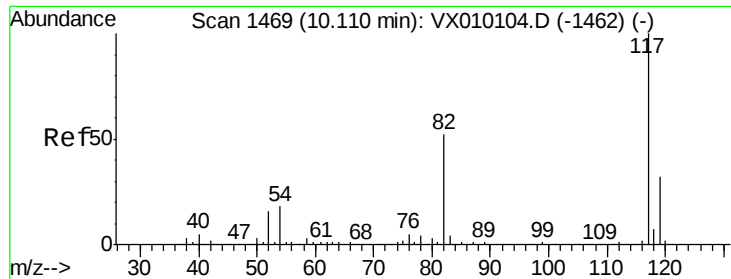


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





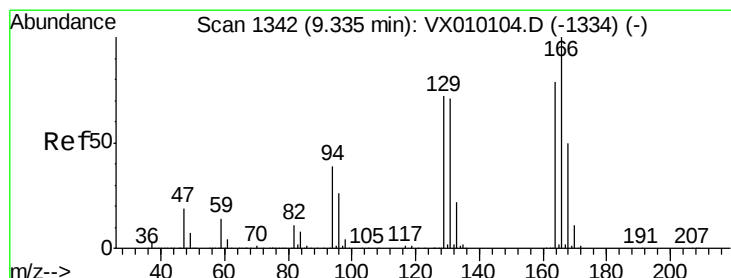
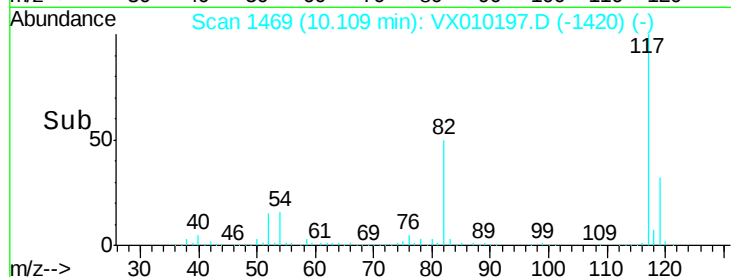
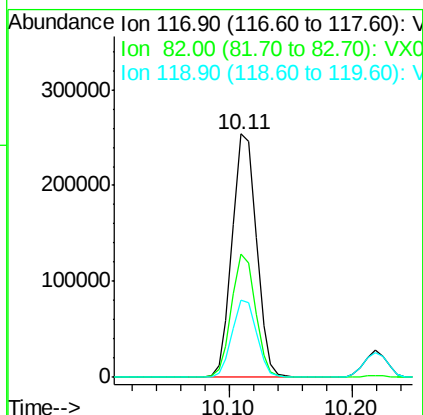
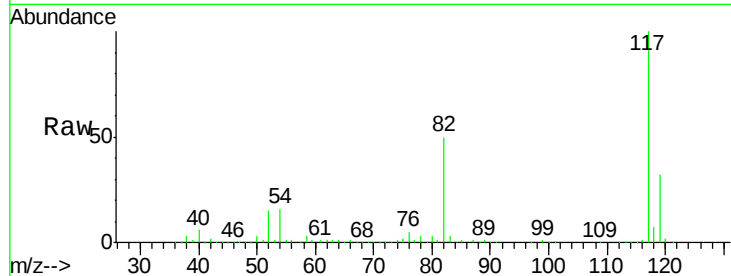
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	49.2	73.8
119	31.9	25.2	37.8

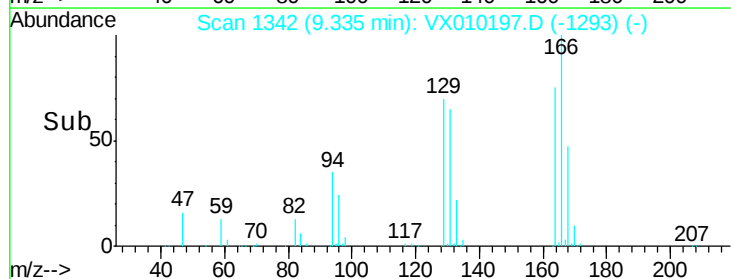
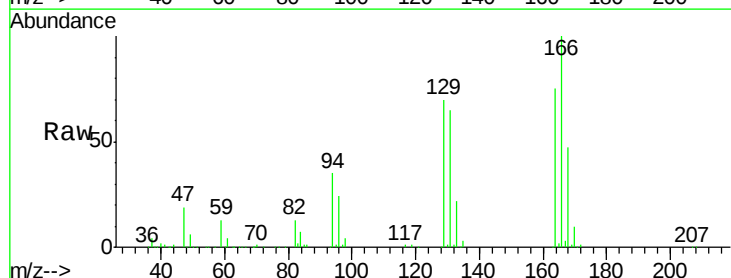
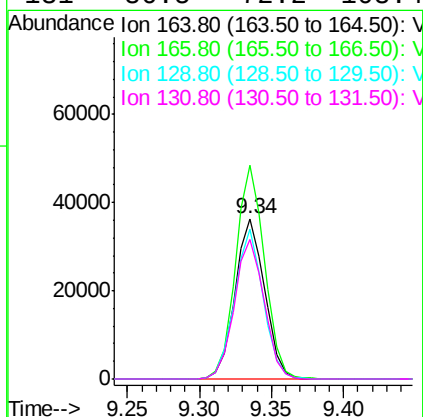
Manual Integrations
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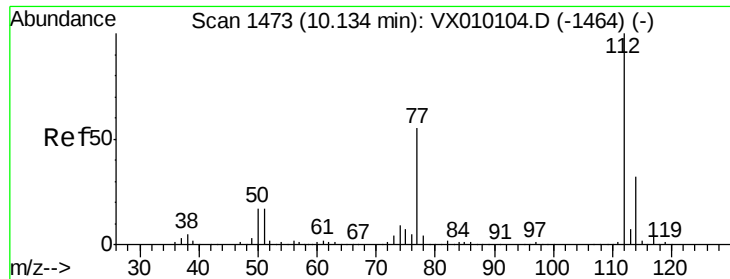
MMDadoda
6/11/2019 11:53:56 AM



#64
Tetrachloroethene
Concen: 19.974 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.0	105.0	157.4
129	92.9	75.1	112.7
131	86.5	72.2	108.4





#65

Chlorobenzene

Concen: 19.163 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion:112 Resp: 138254

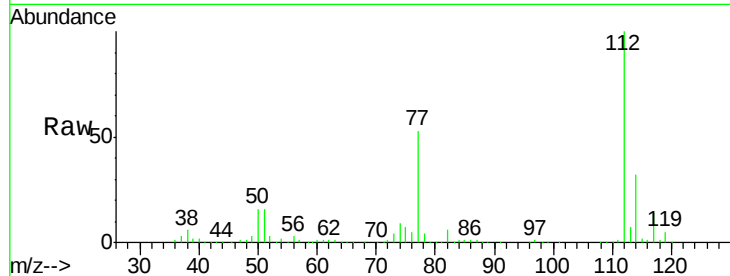
Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.8

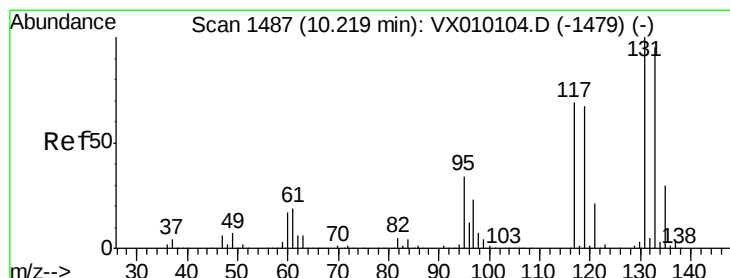
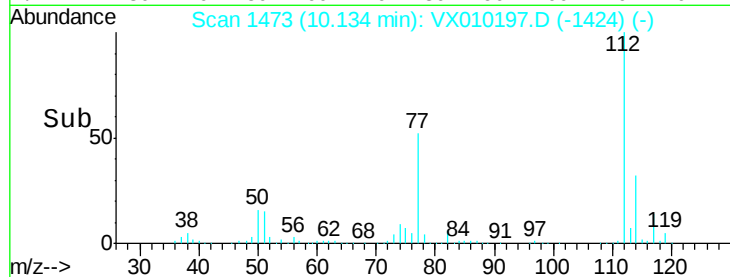
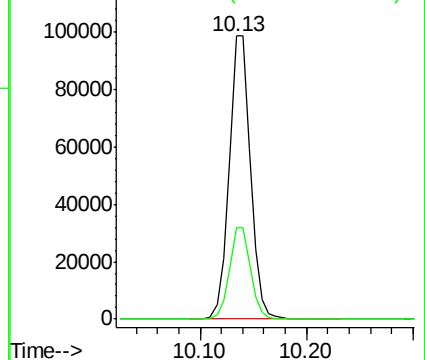
Manual Integrations
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6/11/2019 11:53:56 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.970 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

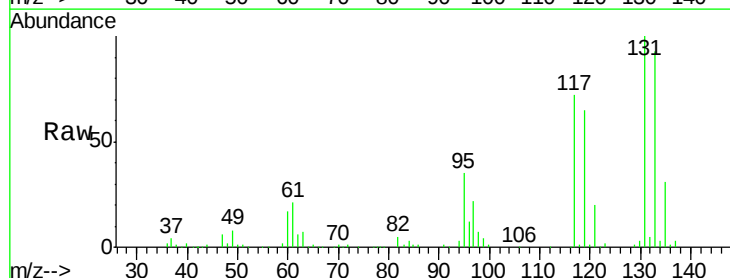
Tgt Ion:131 Resp: 52632

Ion Ratio Lower Upper

131 100

133 94.0 47.5 142.6

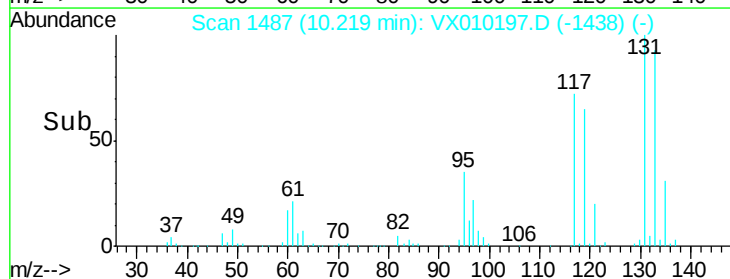
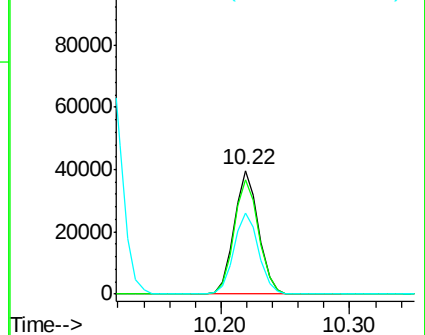
119 66.6 33.4 100.1

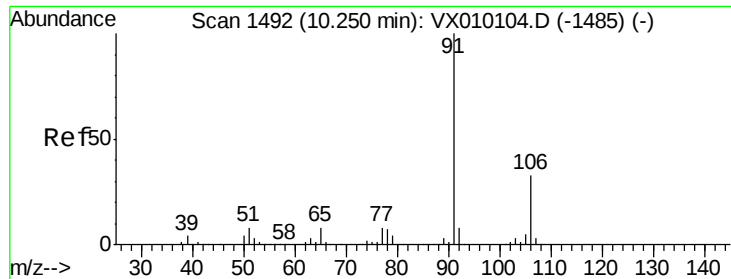


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





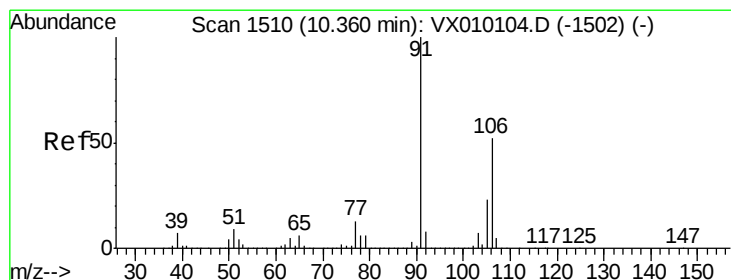
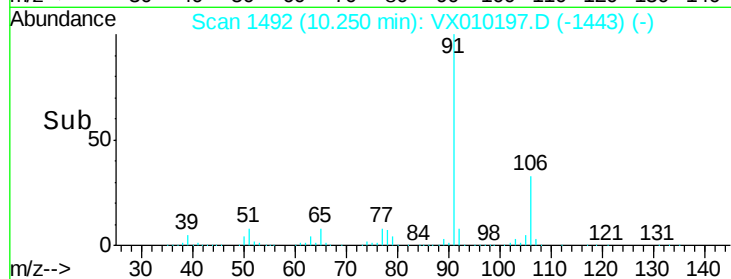
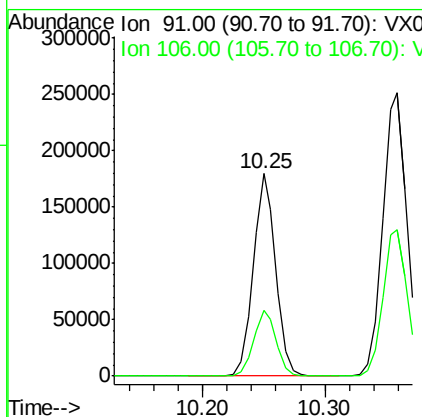
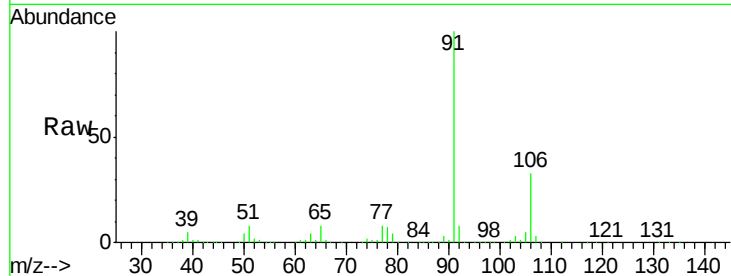
#67
Ethyl Benzene
Concen: 18.744 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion: 91 Resp: 230211
Ion Ratio Lower Upper
91 100
106 32.5 23.9 35.9

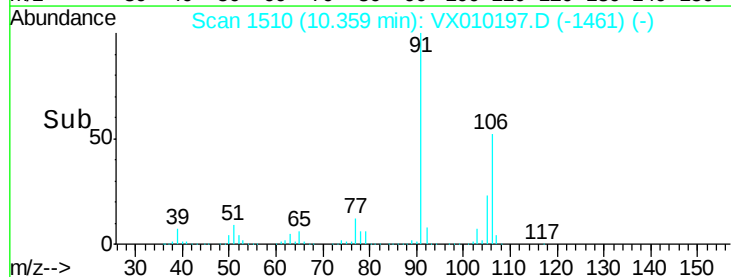
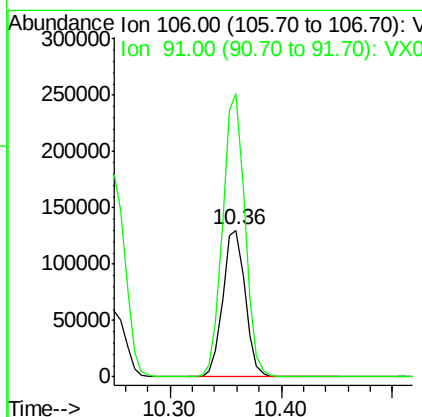
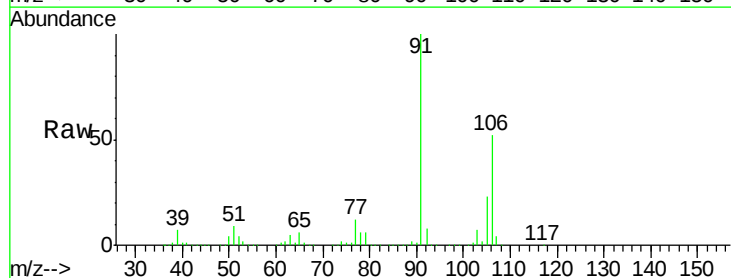
Manual Integrations
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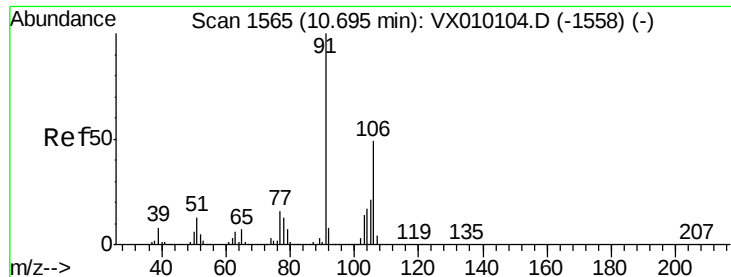
MMDadoda
6/11/2019 11:53:56 AM



#68
m/p-Xylenes
Concen: 38.022 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion: 106 Resp: 180709
Ion Ratio Lower Upper
106 100
91 192.8 167.3 250.9





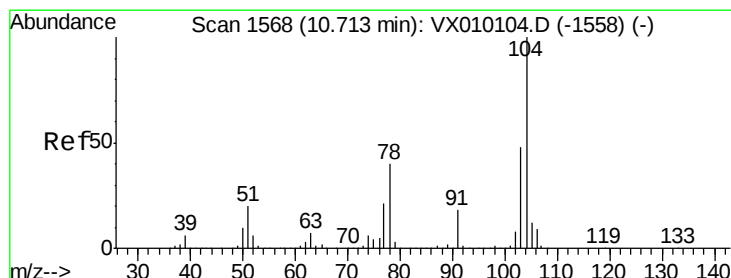
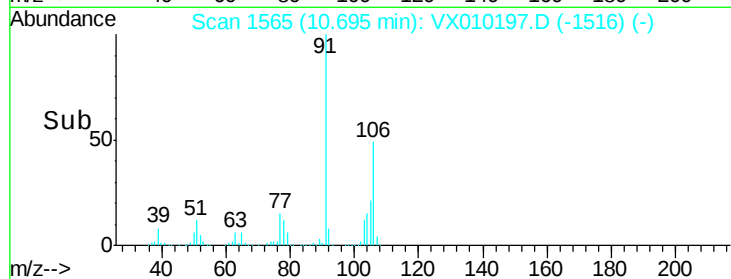
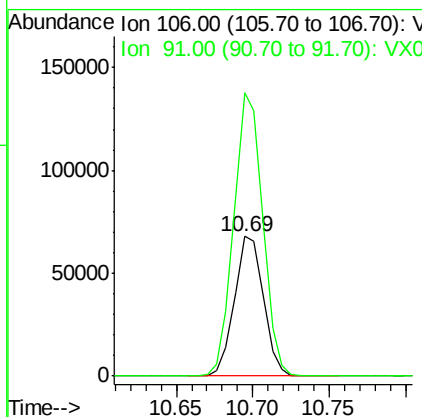
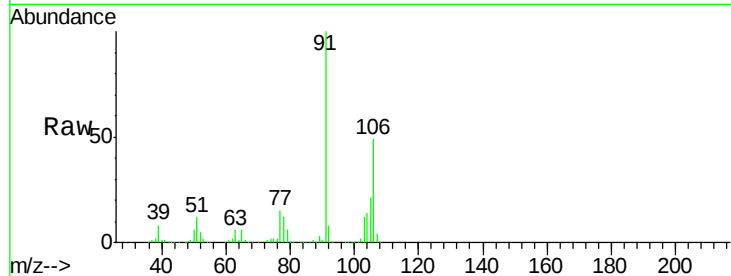
#69
o-Xylene
Concen: 18.905 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	89318		
91	91	202.0		110.4	331.2

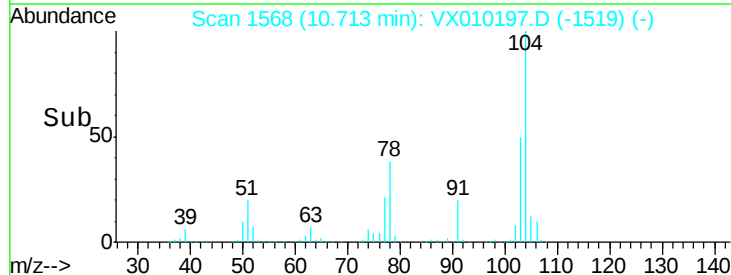
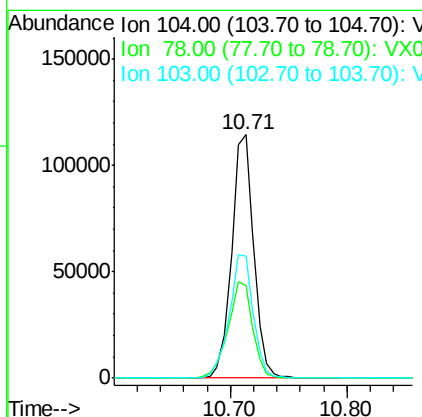
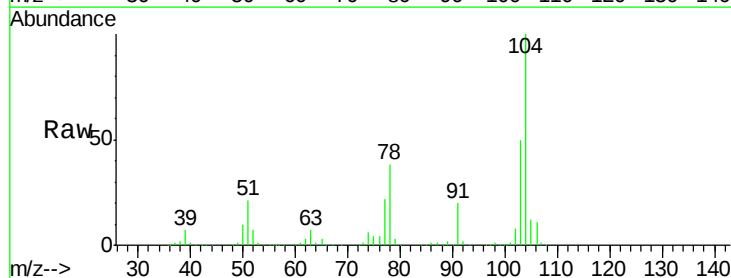
Manual Integrations
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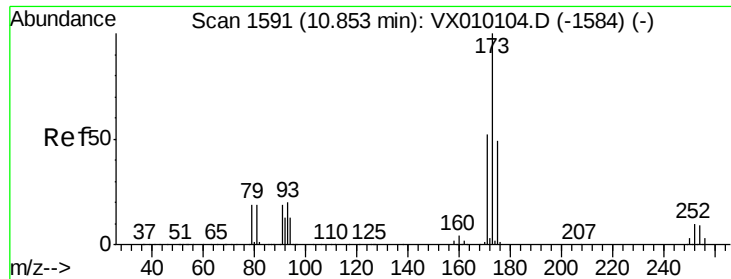
MMDadoda
6/11/2019 11:53:56 AM



#70
Styrene
Concen: 18.935 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	151508		
78	78	44.2		42.1	63.1
103	103	55.0		44.1	66.1





#71

Bromoform

Concen: 18.435 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion:173 Resp: 47021

Ion Ratio Lower Upper

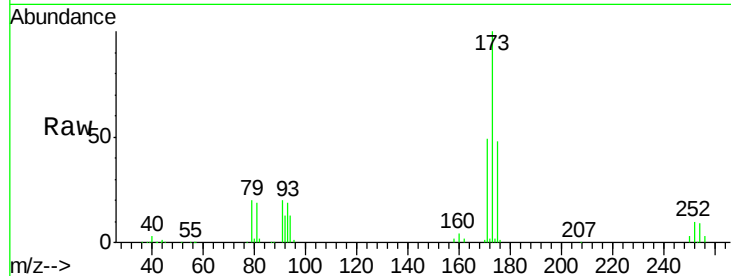
173 100

175 48.9 25.0 75.0

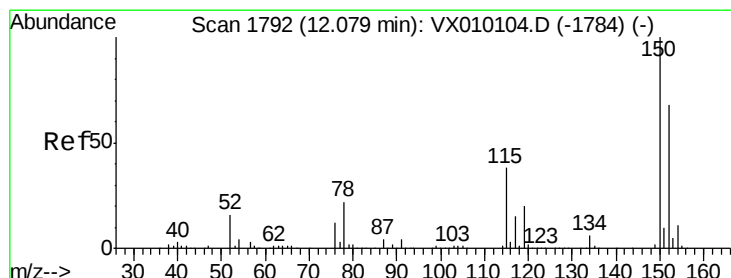
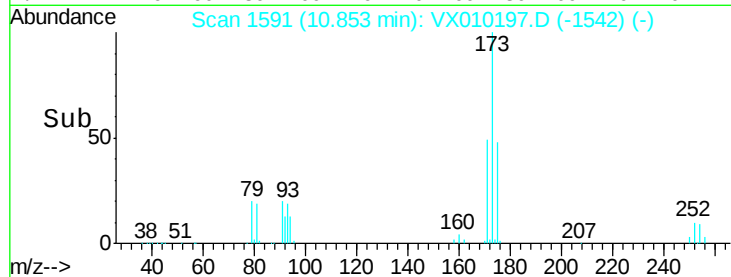
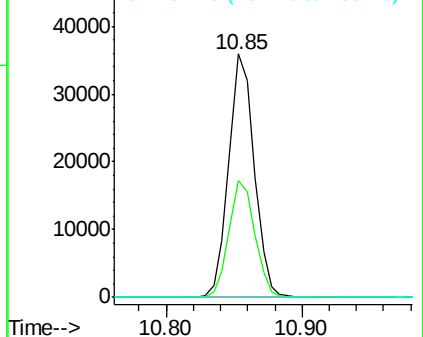
254 0.0 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

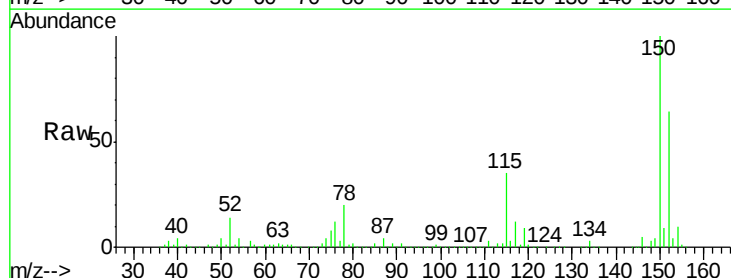
Tgt Ion:152 Resp: 174495

Ion Ratio Lower Upper

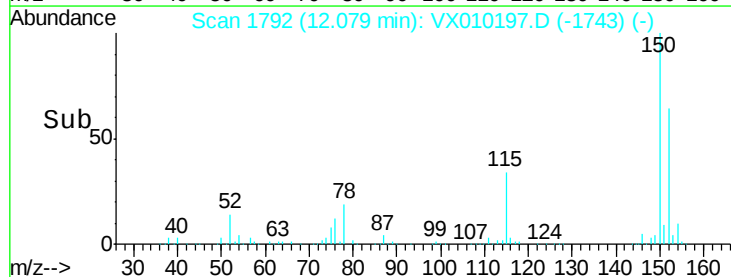
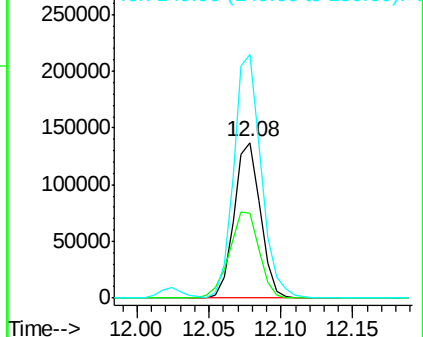
152 100

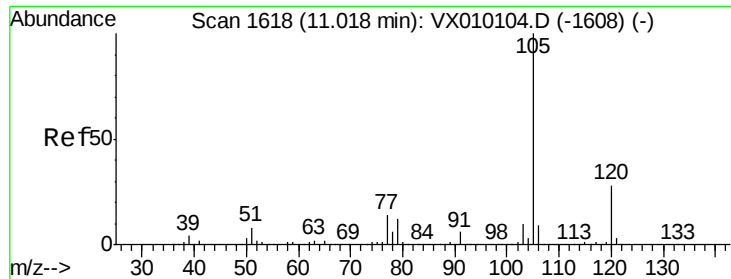
115 63.6 41.4 124.2

150 163.7 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: 19.199 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion:105 Resp: 233859

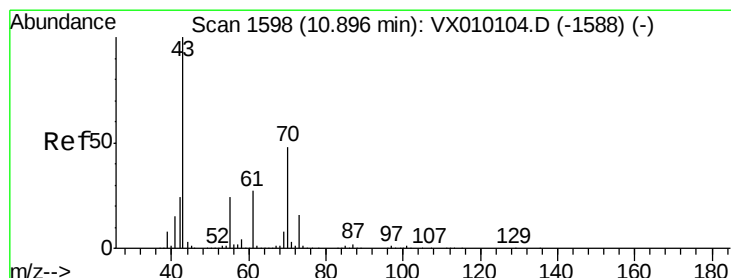
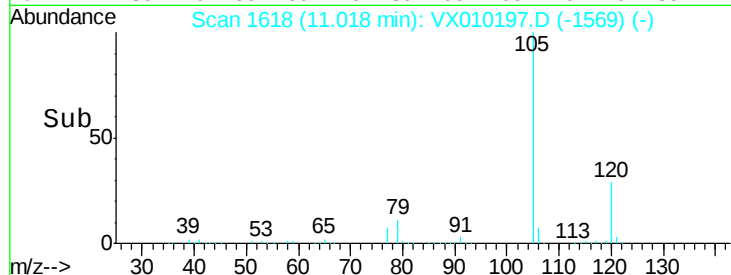
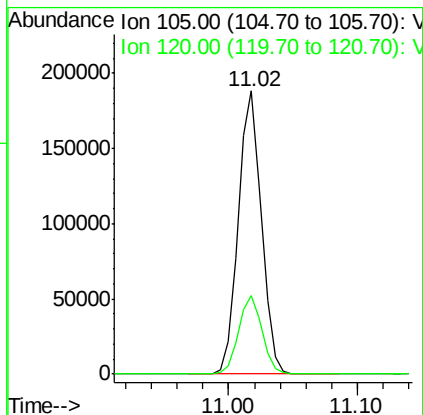
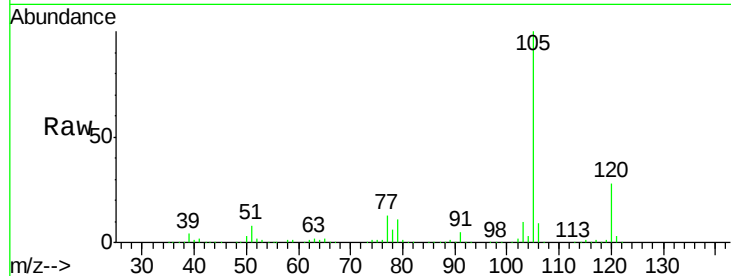
Ion Ratio Lower Upper

105 100

120 27.9 12.8 38.4

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6/11/2019 11:53:56 AM



#74

N-ethyl acetate

Concen: 19.306 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Tgt Ion: 43 Resp: 92959

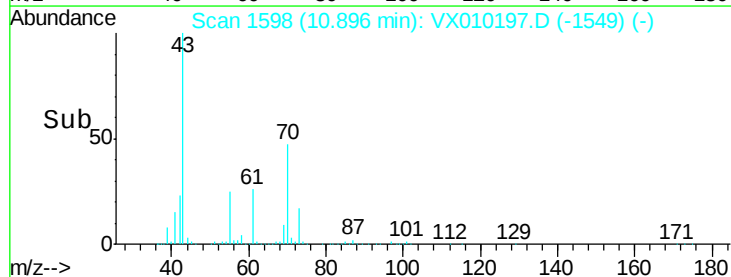
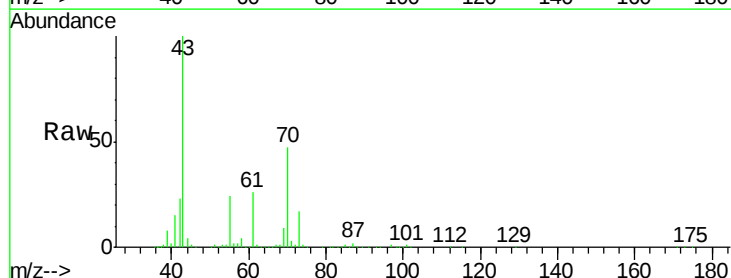
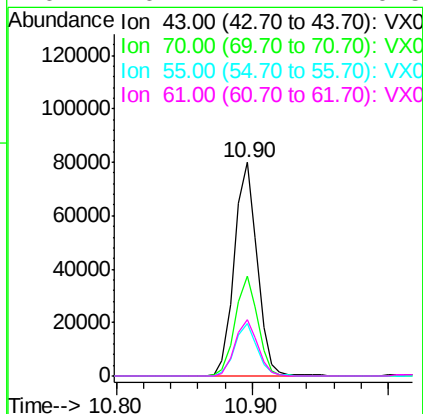
Ion Ratio Lower Upper

43 100

70 46.5 28.6 43.0#

55 24.5 17.8 26.8

61 26.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.544 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

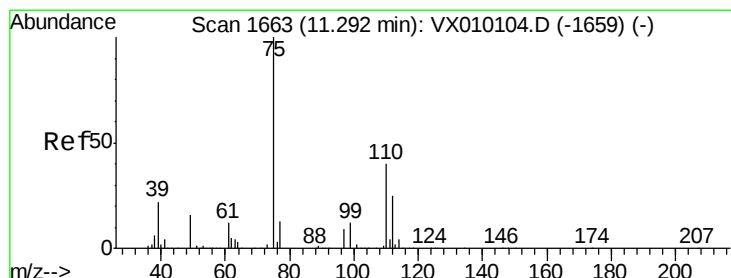
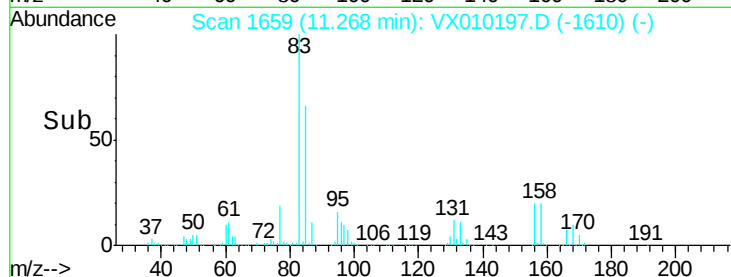
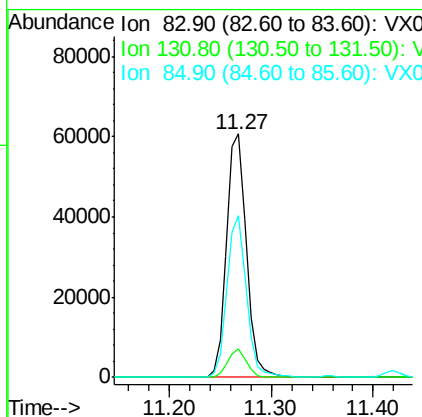
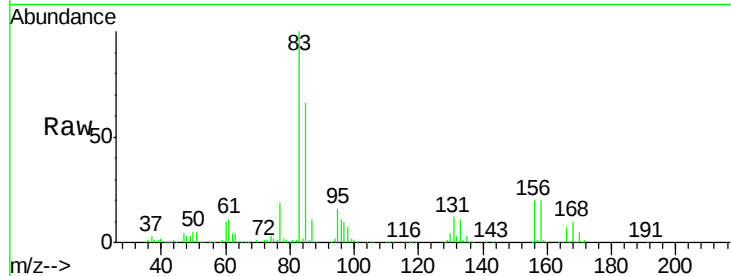
ClientSampleId :

VX0610WBSD03

Tot Ion:	83	Resp:	81491
Ion Ratio	Lower	Upper	
83	100		
131	11.1	4.7	14.1
85	64.9	31.9	95.9

Manual Integrations
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6/11/2019 11:53:56 AM



#76

1,2,3-Trichloropropane

Concen: 18.859 ug/l m

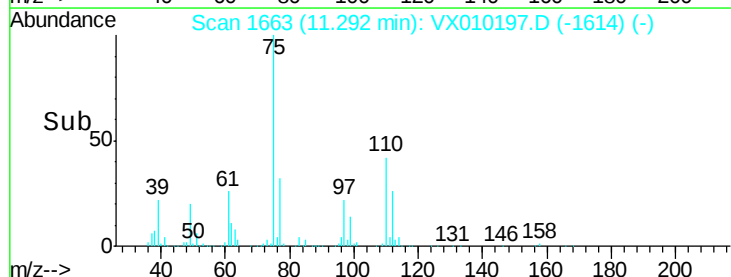
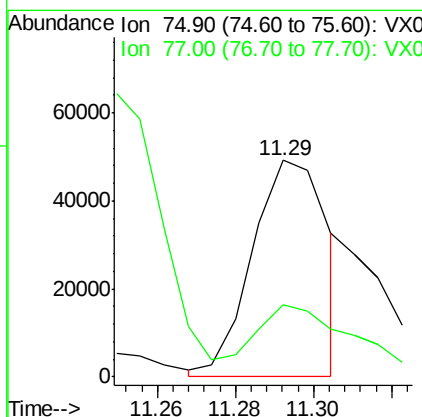
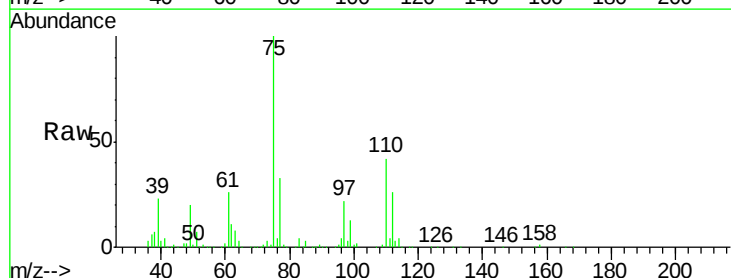
RT: 11.29 min Scan# 1663

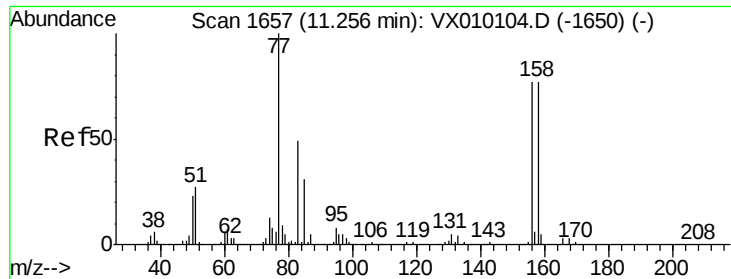
Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Tgt Ion:	75	Resp:	65824
Ion Ratio	Lower	Upper	
75	100		
77	44.4	22.1	66.1





#77

Bromobenzene

Concen: 19.434 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion:156 Resp: 65097

Ion Ratio Lower Upper

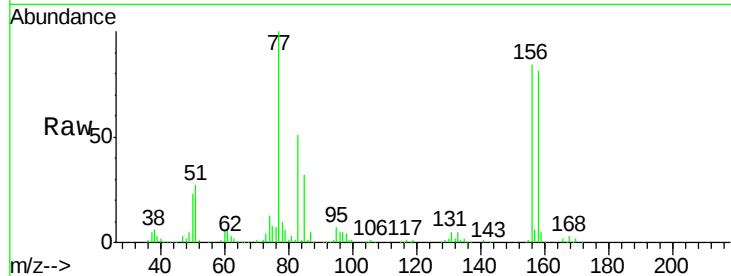
156 100

77 130.1 86.8 260.3

158 95.0 49.6 148.8

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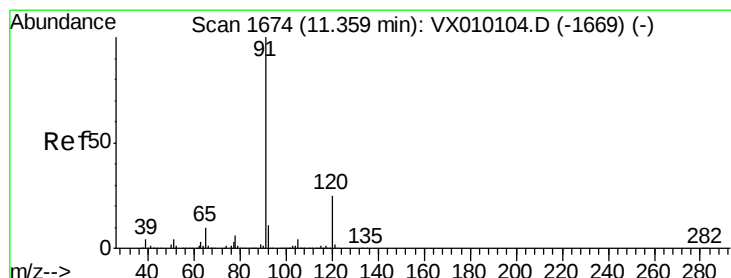
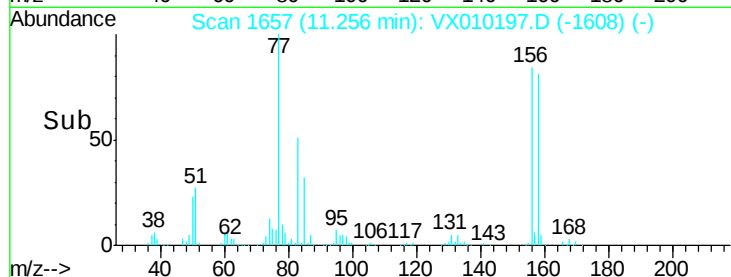
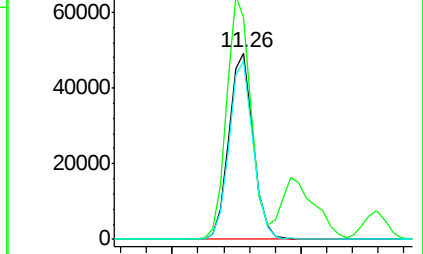
MMDadoda
6/11/2019 11:53:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.501 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010197.D

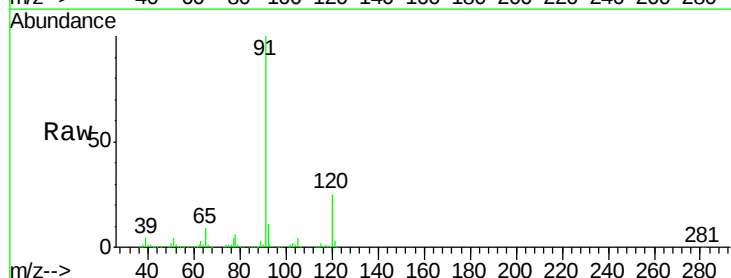
Acq: 10 Jun 2019 23:56

Tgt Ion: 91 Resp: 250886

Ion Ratio Lower Upper

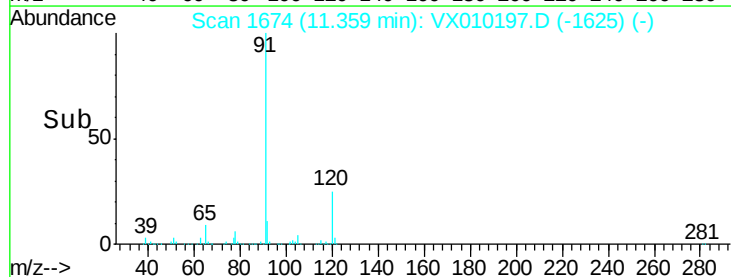
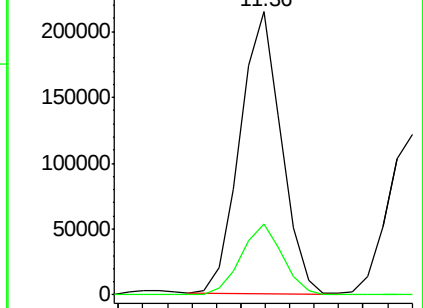
91 100

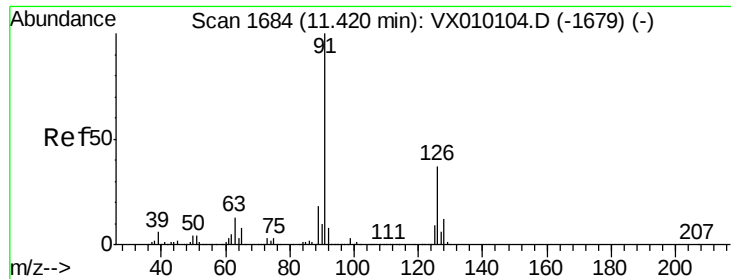
120 25.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.616 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampled :

VX0610WBSD03

Tot Ion: 91 Resp: 151621

Ion Ratio Lower Upper

91 100

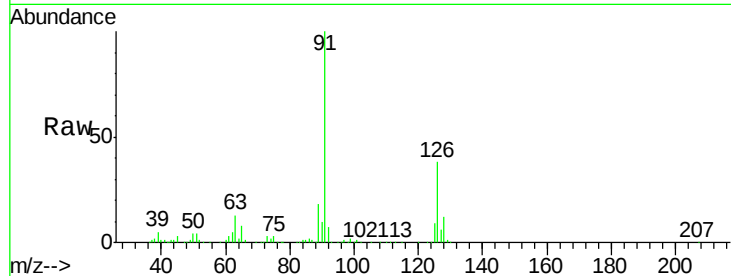
126 38.1 16.1 48.3

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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) (-)

250000

200000

150000

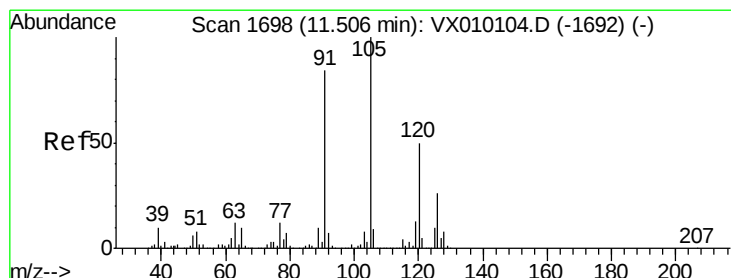
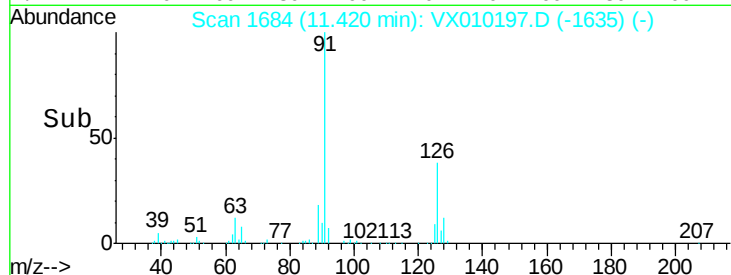
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.926 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010197.D

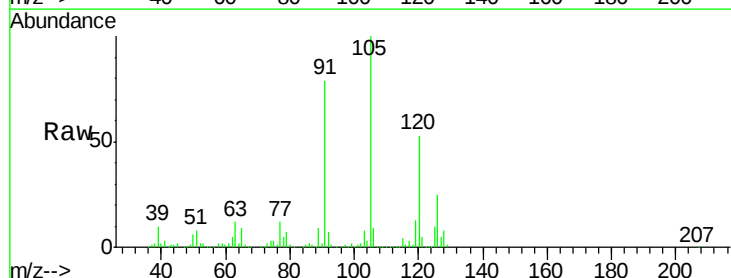
Acq: 10 Jun 2019 23:56

Tgt Ion: 105 Resp: 194172

Ion Ratio Lower Upper

105 100

120 50.9 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) (-)

150000

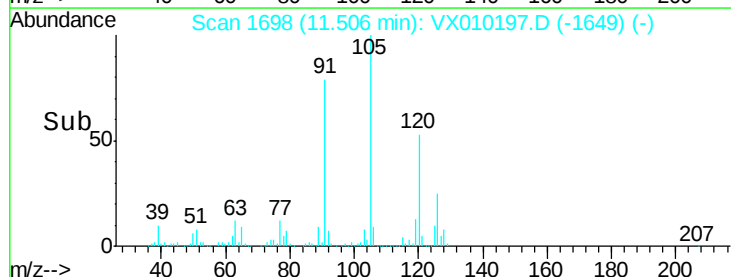
100000

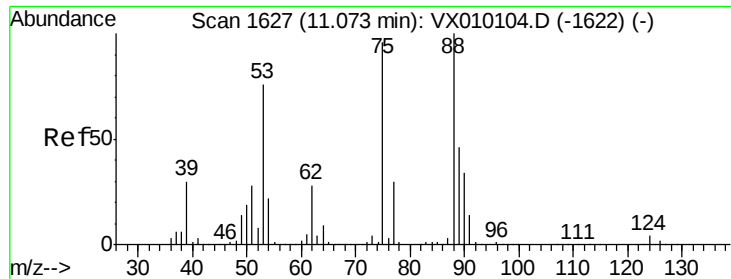
50000

0

11.40 11.50 11.60

Time-->





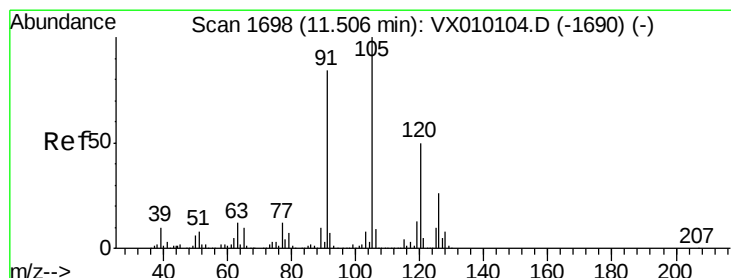
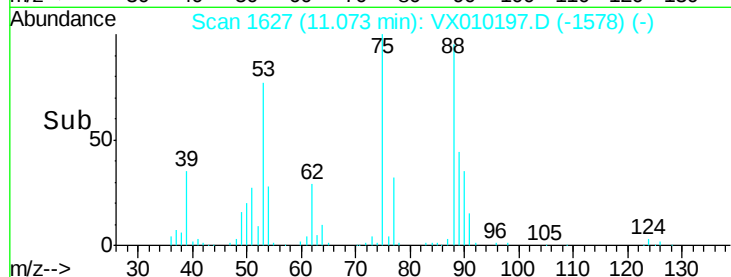
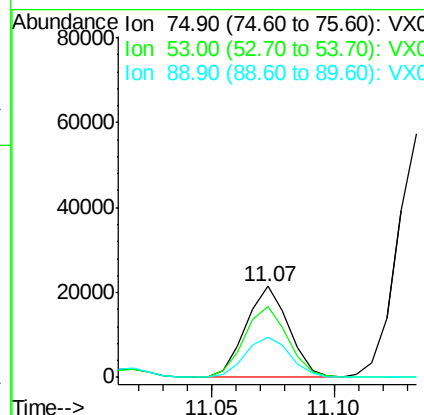
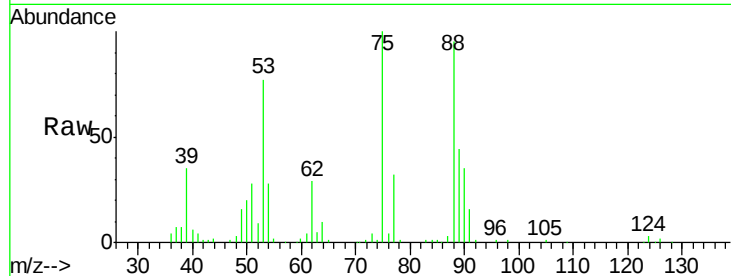
#81
trans-1,4-Dichloro-2-butene
Concen: 16.425 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.6	79.8	119.6#
89	47.2	34.2	51.4

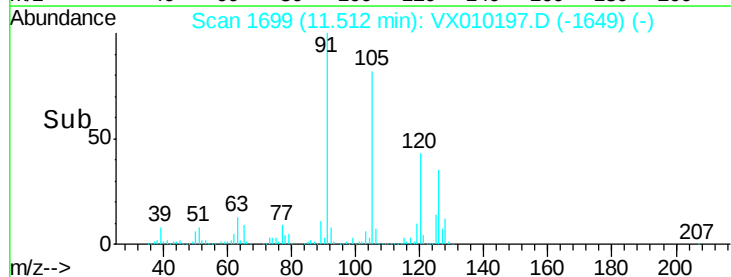
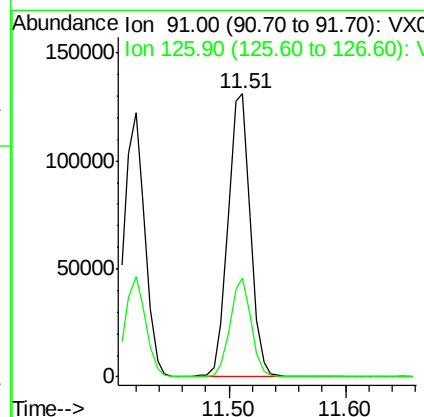
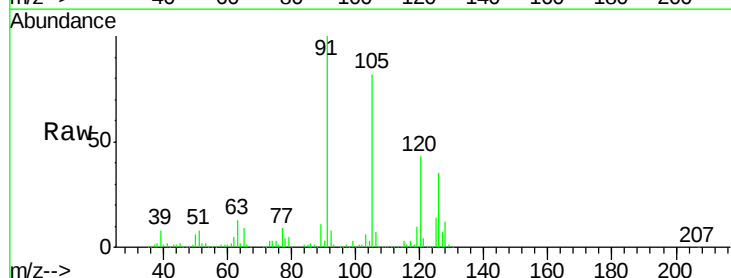
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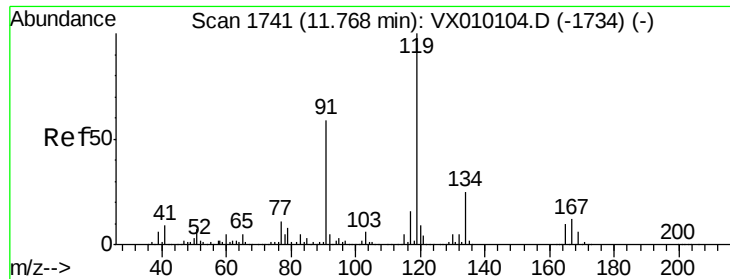
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#82
4-Chlorotoluene
Concen: 18.653 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	14.2	42.6





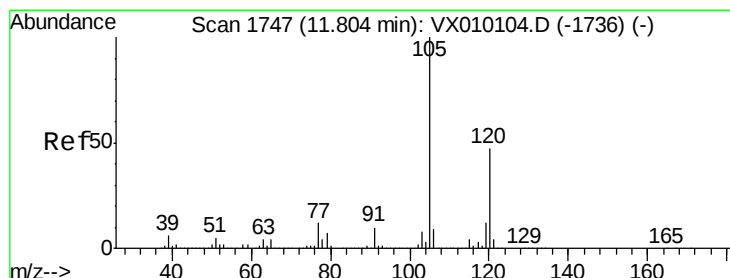
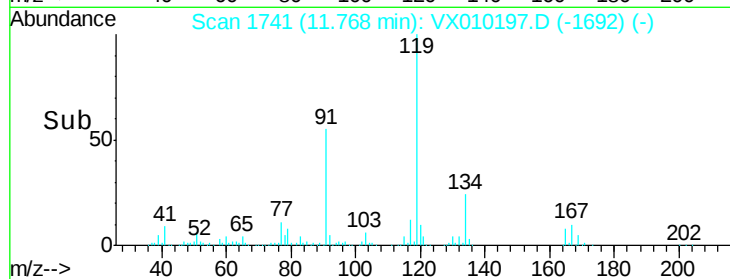
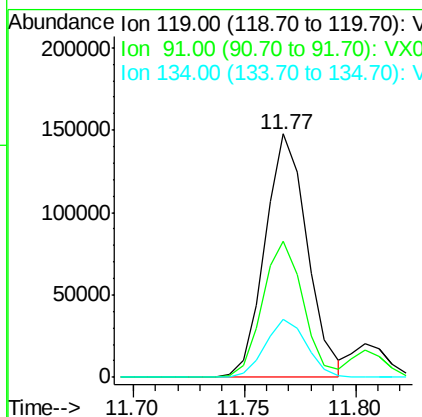
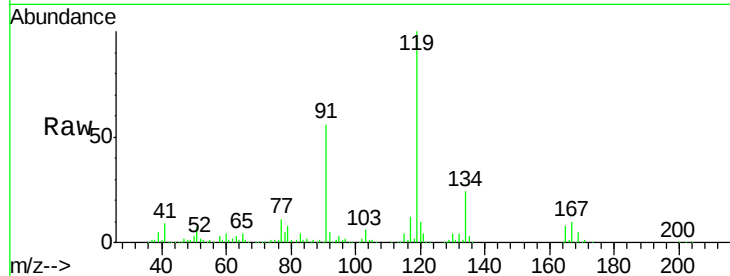
#83
 tert-Butylbenzene
 Concen: 18.687 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010197.D
 Acq: 10 Jun 2019 23:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	194052		
91	54.3	30.0	90.0	
134	23.3	11.2	33.5	

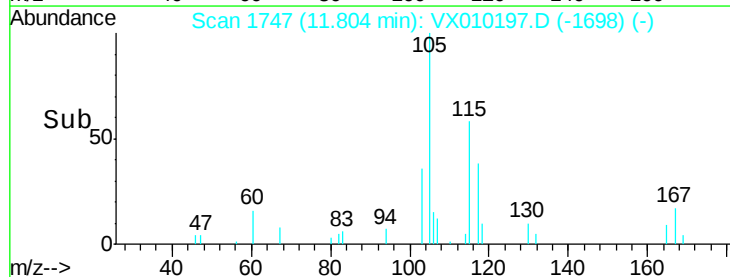
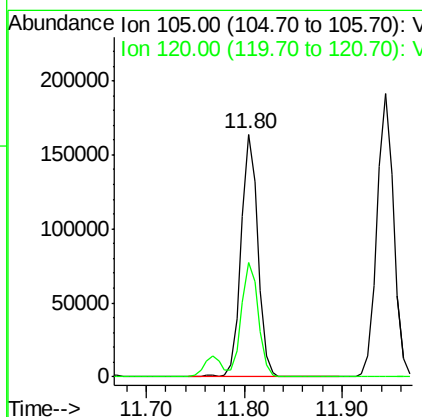
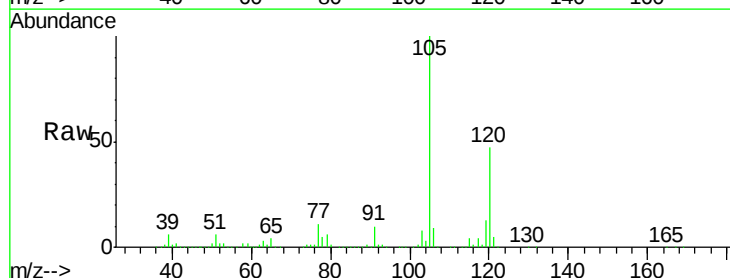
Manual Integrations
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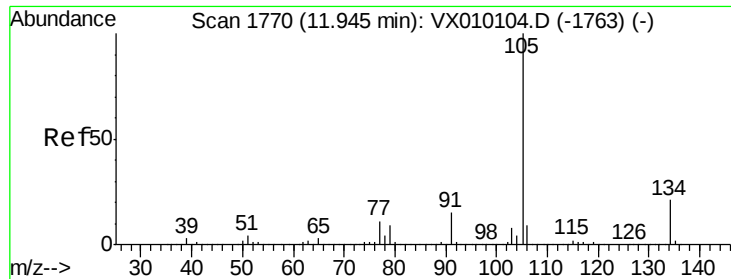
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.815 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010197.D
 Acq: 10 Jun 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	194979		
120	47.8	22.1	66.1	





#85

sec-Butylbenzene

Concen: 18.691 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBSD03

Tot Ion:105 Resp: 226122

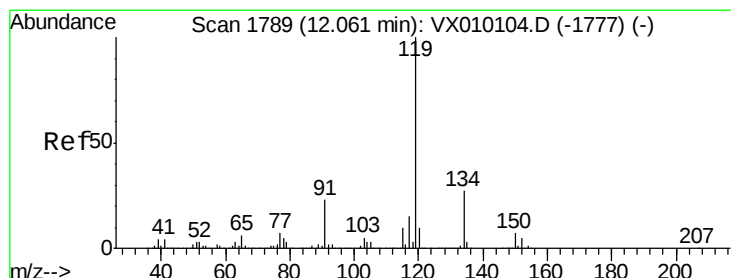
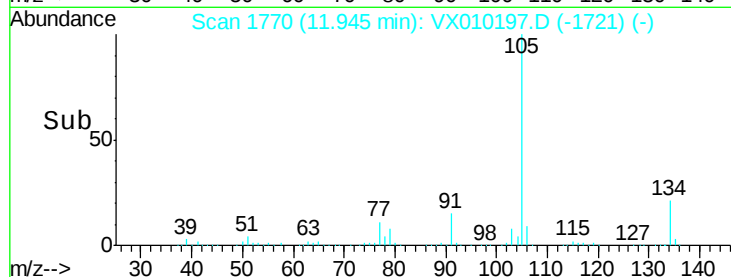
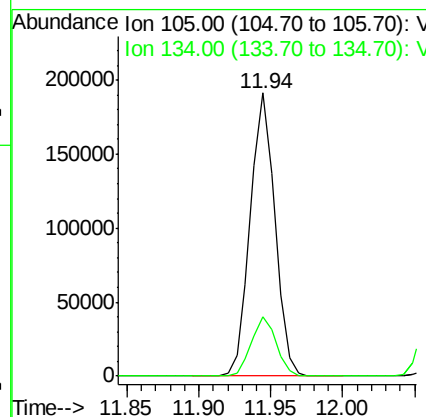
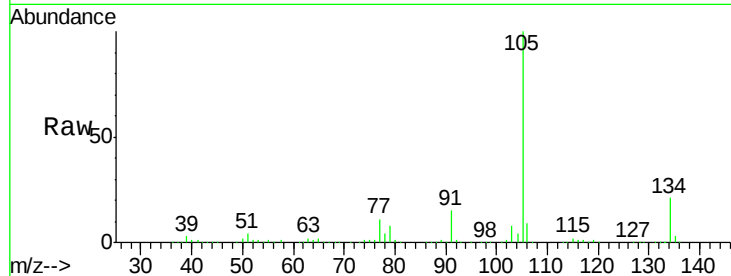
Ion Ratio Lower Upper

105 100

134 21.3 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 18.603 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

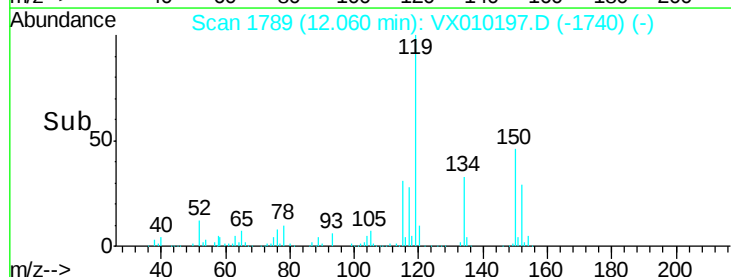
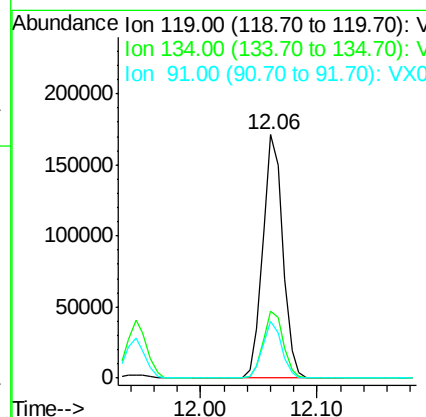
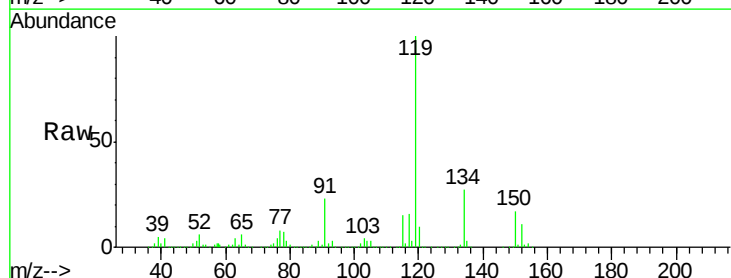
Tgt Ion:119 Resp: 205747

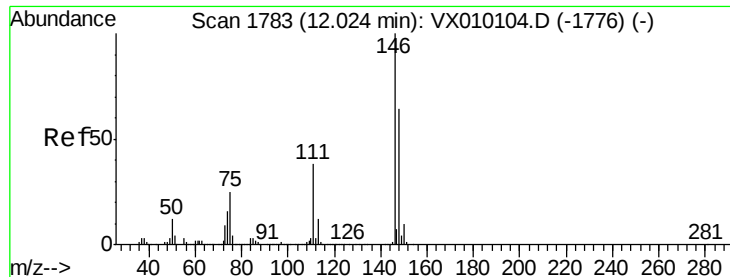
Ion Ratio Lower Upper

119 100

134 27.6 12.9 38.6

91 22.3 11.9 35.9





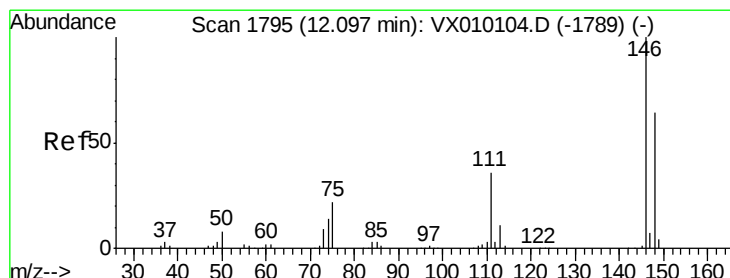
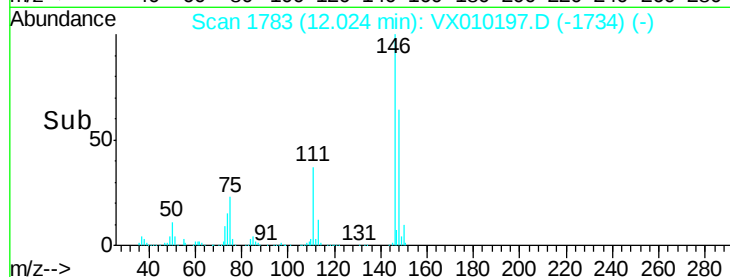
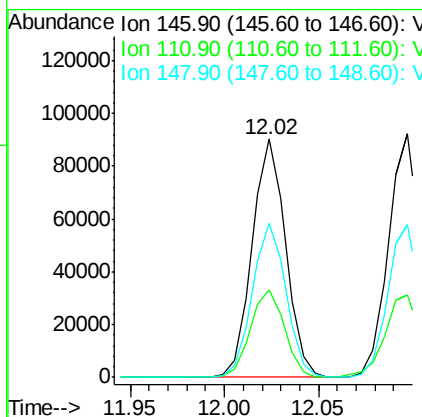
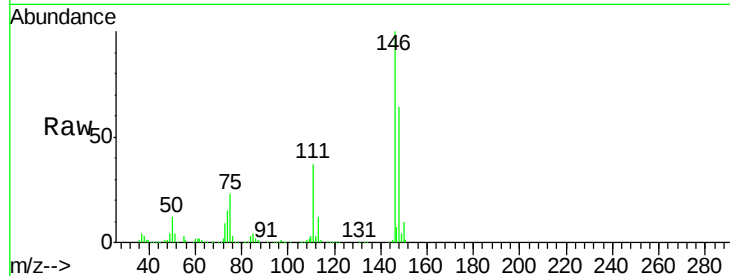
#87
 1,3-Dichlorobenzene
 Concen: 18.833 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010197.D
 Acq: 10 Jun 2019 23:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.1	60.2
148	65.1	31.9	95.5

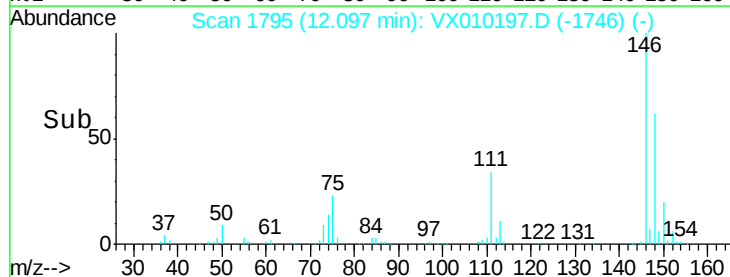
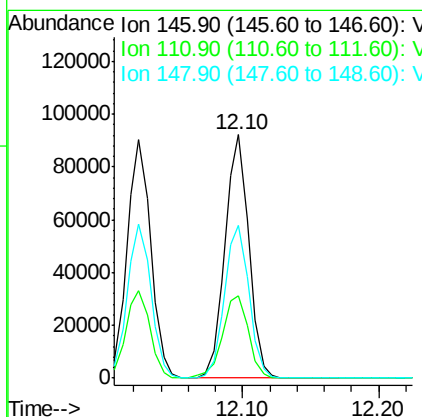
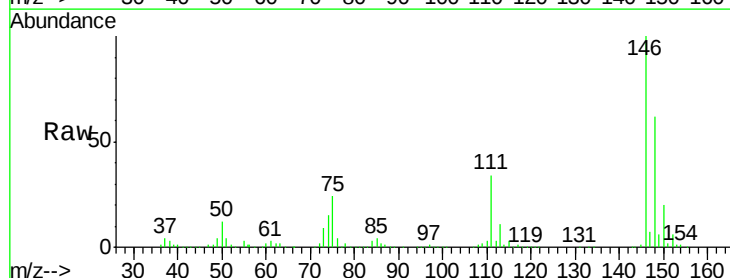
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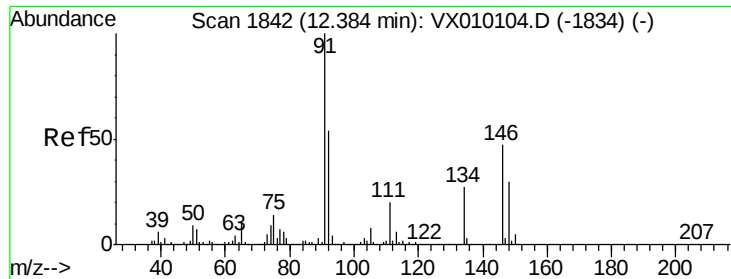
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#88
 1,4-Dichlorobenzene
 Concen: 18.820 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010197.D
 Acq: 10 Jun 2019 23:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.0	59.9
148	64.4	32.3	96.9





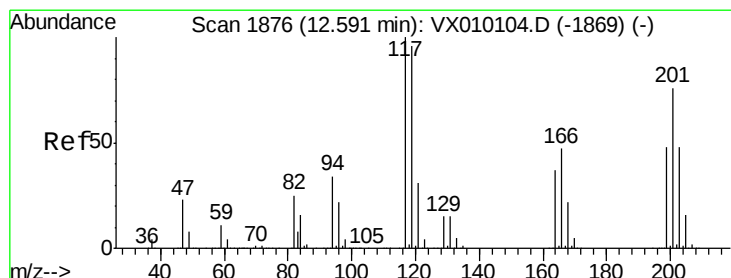
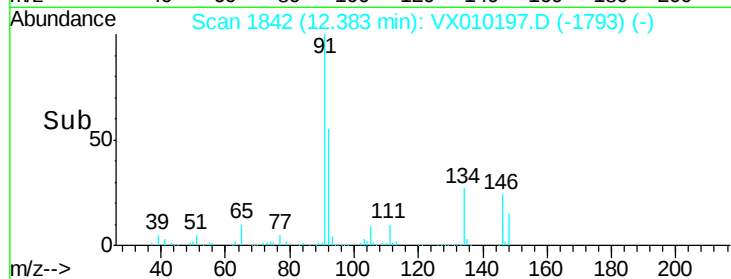
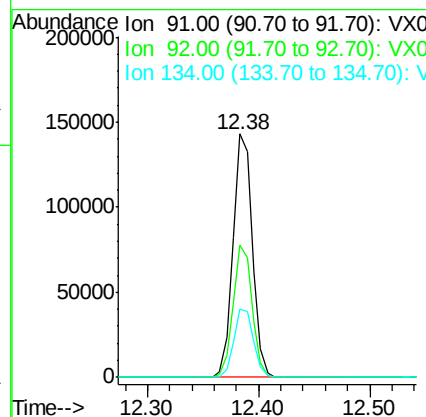
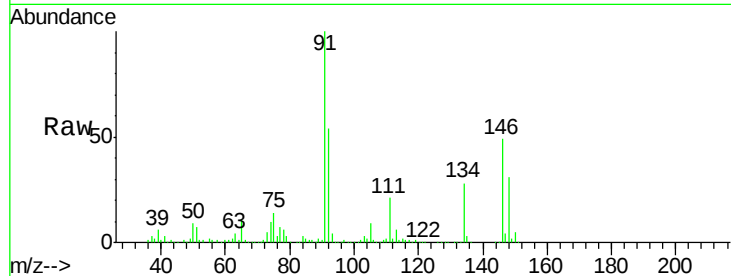
#89
n-Butylbenzene
Concen: 18.028 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.3	78.8
134	28.4	12.3	36.8

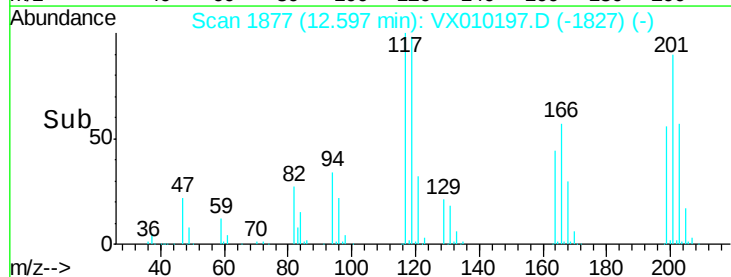
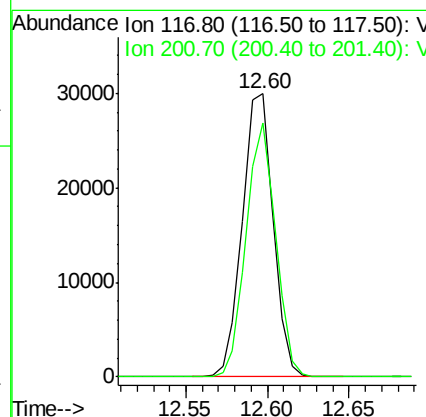
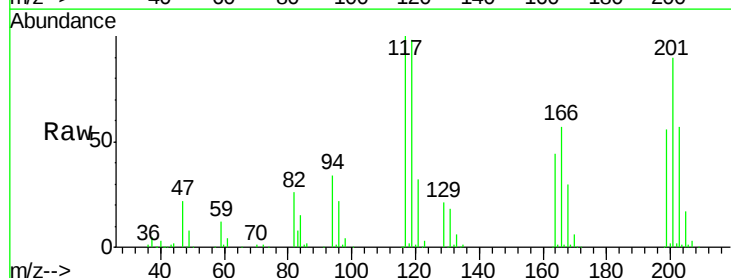
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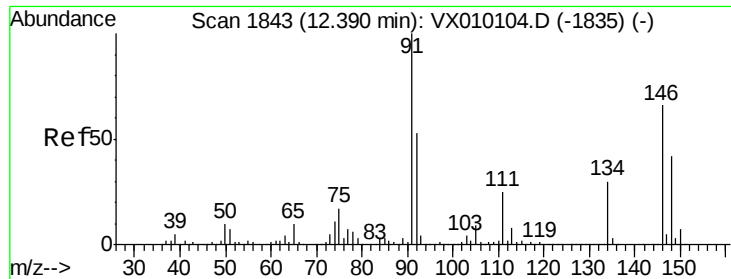
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#90
Hexachloroethane
Concen: 18.013 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010197.D
Acq: 10 Jun 2019 23:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	43.6	130.9





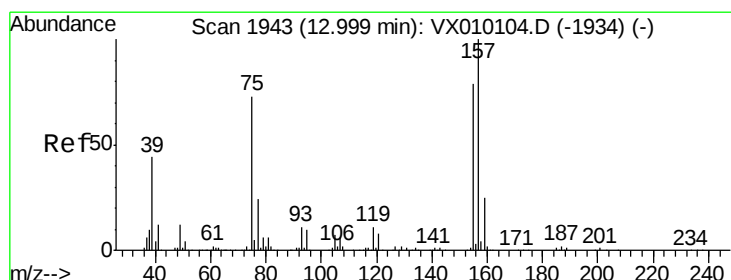
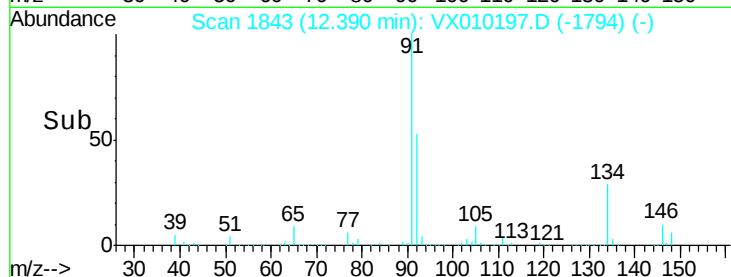
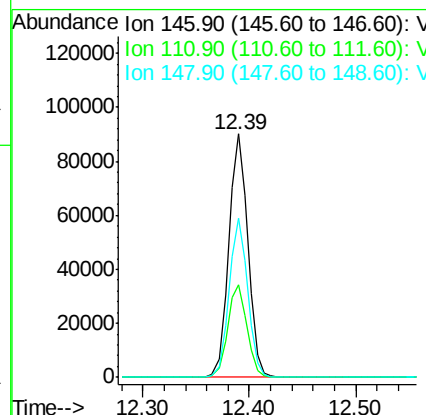
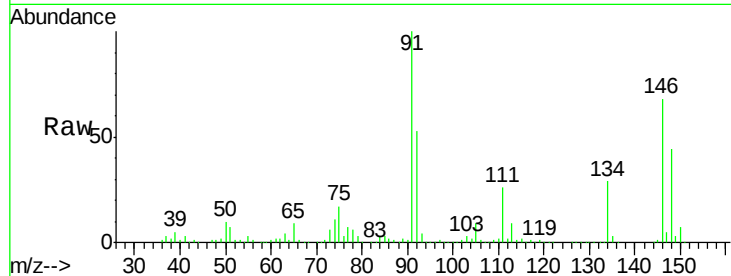
#91
 1,2-Dichlorobenzene
 Concen: 19.709 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010197.D
 Acq: 10 Jun 2019 23:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	21.1	63.1
148	63.9	32.3	96.8

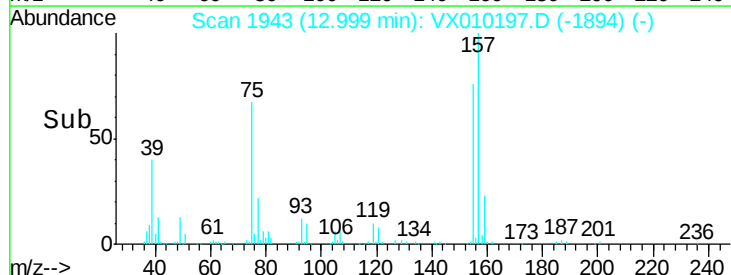
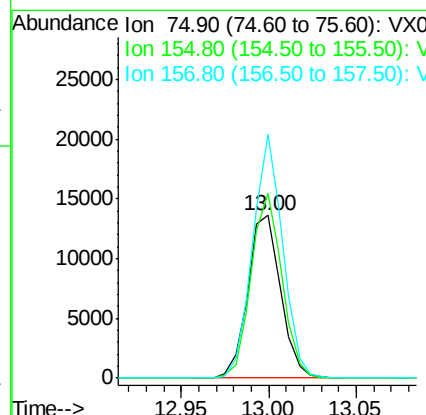
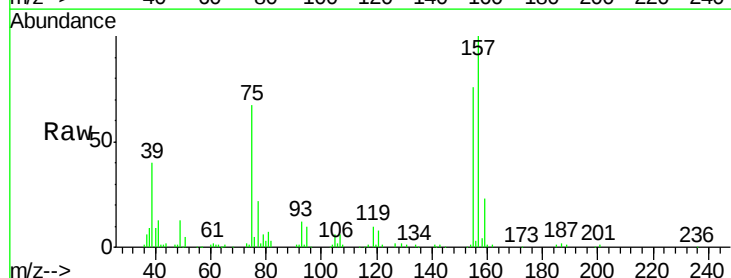
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.116 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010197.D
 Acq: 10 Jun 2019 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.1	39.3	117.8
157	137.0	50.6	151.8





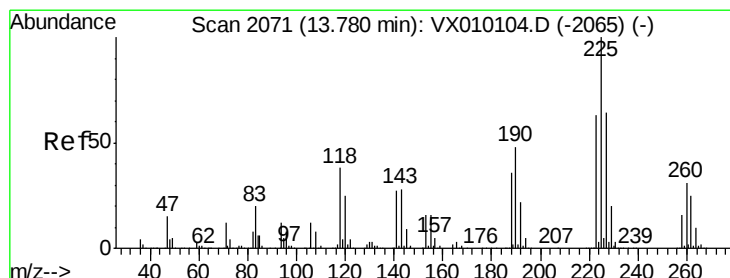
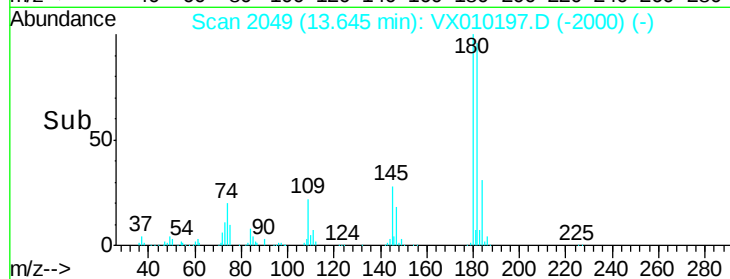
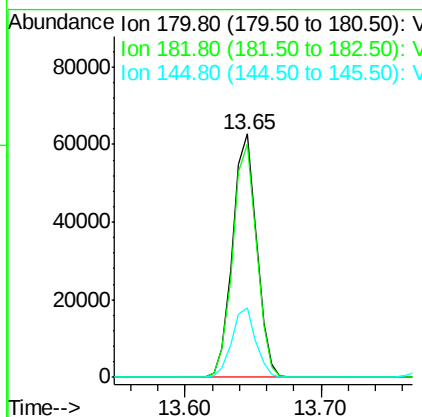
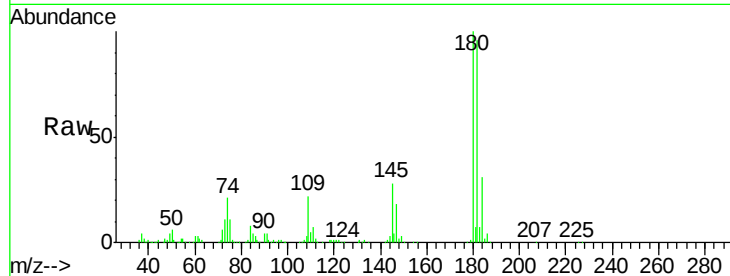
#93
 1,2,4-Trichlorobenzene
 Concen: 18.463 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010197.D
 Acq: 10 Jun 2019 23:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBSD03

Tot Ion:	180	Resp:	77522
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.4	142.2
145	28.3	14.5	43.5

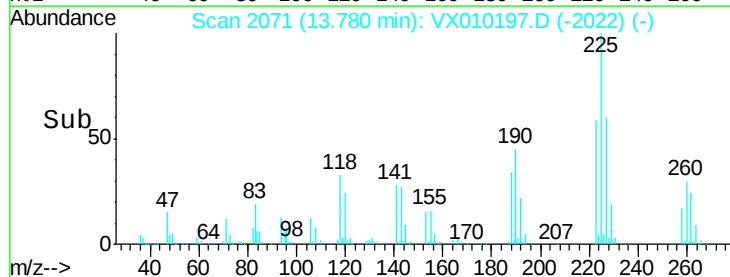
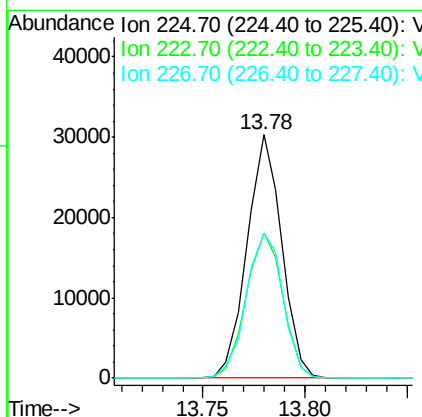
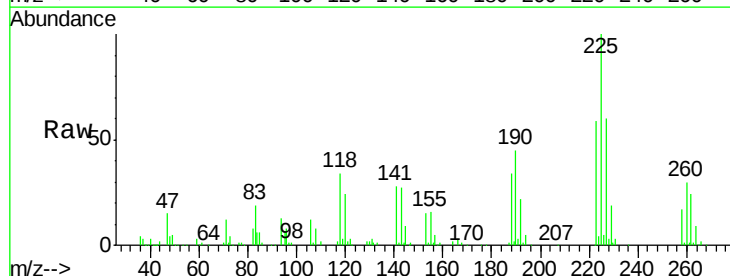
Manual Integrations
 APPROVED

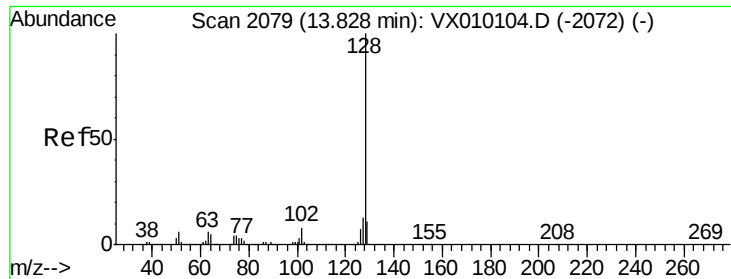
MMDadoda
 6/11/2019 11:53:56 AM



#94
 Hexachlorobutadiene
 Concen: 19.150 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010197.D
 Acq: 10 Jun 2019 23:56

Tgt Ion:	225	Resp:	35759
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.3	93.8
227	63.5	32.3	96.8





#95

Naphthalene

Concen: 19.061 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Instrument :

MSVOA_X

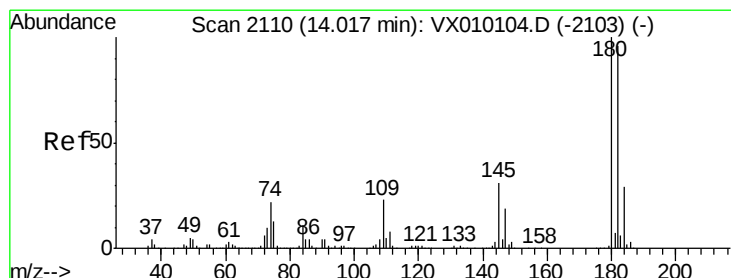
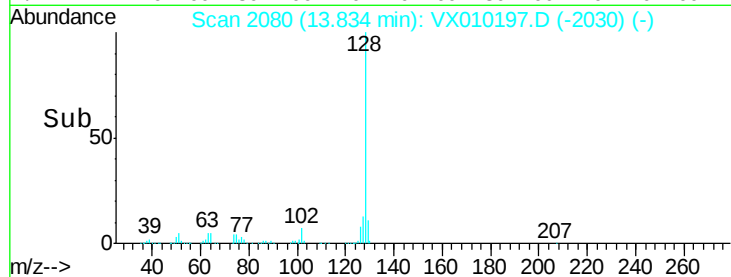
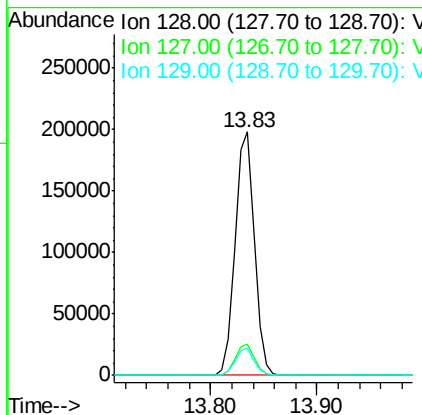
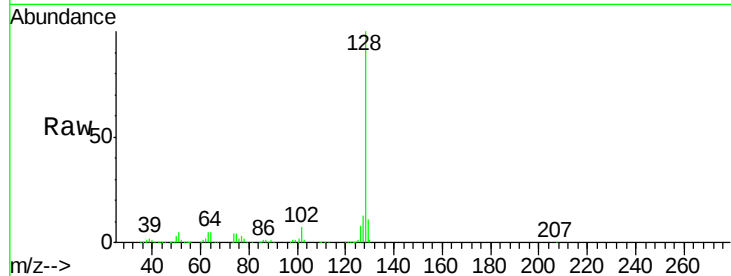
ClientSampleId :

VX0610WBSD03

Tot Ion:	128	Resp:	251929
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:53:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.850 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010197.D

Acq: 10 Jun 2019 23:56

Tgt Ion:	180	Resp:	78254
Ion Ratio		Lower	Upper
180	100		
182	93.9	47.3	142.0
145	29.9	15.6	46.7

