

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061819\
 Data File : VX010334.D
 Acq On : 18 Jun 2019 11:42
 Operator : JC/SP
 Sample : VX0618WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 8:58:22 AM

Quant Time: Jun 19 01:28:11 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	5.66	168	291879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	423047	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	386365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201469	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	143837	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	5.49	113	143382	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
50) Toluene-d8	8.71	98	540341	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
62) 4-Bromofluorobenzene	11.13	95	194986	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	49415	18.399	ug/l	98
3) Chloromethane	1.32	50	46105	17.286	ug/l	99
4) Vinyl Chloride	1.40	62	48716	19.434	ug/l	98
5) Bromomethane	1.64	94	25140	26.576	ug/l	95
6) Chloroethane	1.72	64	31774	25.140	ug/l	98
7) Trichlorofluoromethane	1.93	101	80490	21.616	ug/l	98
8) Diethyl Ether	2.19	74	28727	22.383	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.38	101	49302	19.208	ug/l	94
10) Methyl Iodide	2.51	142	58385	14.681	ug/l	98
11) Tert butyl alcohol	3.04	59	72674	104.126	ug/l	99
12) 1,1-Dichloroethene	2.37	96	46653	17.795	ug/l #	79
13) Acrolein	2.29	56	9034	70.987	ug/l	100
14) Allyl chloride	2.73	41	70023	17.694	ug/l #	90
15) Acrylonitrile	3.14	53	135179	94.757	ug/l	99
16) Acetone	2.44	43	127782	95.357	ug/l #	86
17) Carbon Disulfide	2.57	76	110611	14.602	ug/l	98
18) Methyl Acetate	2.77	43	59681	20.251	ug/l #	81
19) Methyl tert-butyl Ether	3.19	73	155762	18.493	ug/l	96
20) Methylene Chloride	2.85	84	53287	18.107	ug/l #	79
21) trans-1,2-Dichloroethene	3.16	96	49015	16.894	ug/l #	76
22) Diisopropyl ether	3.85	45	145285	19.202	ug/l #	94
23) Vinyl Acetate	3.81	43	622769	92.263	ug/l #	87
24) 1,1-Dichloroethane	3.70	63	81329	17.704	ug/l	95
25) 2-Butanone	4.67	43	193489	96.966	ug/l #	85
26) 2,2-Dichloropropane	4.58	77	73006	17.420	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	58931	18.258	ug/l	79
28) Bromochloromethane	5.01	49	41280	20.050	ug/l #	52
29) Tetrahydrofuran	5.12	42	115392	92.016	ug/l #	75
30) Chloroform	5.21	83	89227	18.702	ug/l	93
31) Cyclohexane	5.57	56	73505	17.729	ug/l #	71
32) 1,1,1-Trichloroethane	5.49	97	79184	17.654	ug/l	93
36) 1,1-Dichloropropene	5.79	75	63025	18.261	ug/l	91
37) Ethyl Acetate	4.83	43	66644	18.558	ug/l #	90
38) Carbon Tetrachloride	5.78	117	71351	18.264	ug/l	100

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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	86309	18.365	ug/l #	82
40) Benzene	6.14	78	203926	19.108	ug/l	99
41) Methacrylonitrile	5.04	41	36207	18.639	ug/l #	82
42) 1,2-Dichloroethane	6.18	62	64588	18.956	ug/l	94
43) Isopropyl Acetate	6.44	43	110847	18.461	ug/l #	89
44) Trichloroethene	7.21	130	60652	18.854	ug/l	88
45) 1,2-Dichloropropane	7.51	63	51833	19.404	ug/l	98
46) Dibromomethane	7.66	93	37174	18.576	ug/l	91
47) Bromodichloromethane	7.90	83	68479	18.312	ug/l	98
48) Methyl methacrylate	7.77	41	52909	18.842	ug/l #	78
49) 1,4-Dioxane	7.74	88	32202	402.221	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	362652	101.103	ug/l	91
52) Toluene	8.78	92	133208	18.988	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	76071	17.587	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	83213	17.945	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	56943	19.819	ug/l	96
56) Ethyl methacrylate	9.18	69	85698	18.882	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	87489	19.342	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	199838	93.400	ug/l #	86
59) 2-Hexanone	9.49	43	287059	100.373	ug/l	87
60) Dibromochloromethane	9.58	129	62447	18.375	ug/l	99
61) 1,2-Dibromoethane	9.67	107	59998	18.750	ug/l	99
64) Tetrachloroethene	9.34	164	59774	20.830	ug/l	97
65) Chlorobenzene	10.13	112	153136	19.204	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	58544	19.091	ug/l	98
67) Ethyl Benzene	10.25	91	256128	18.868	ug/l	93
68) m/p-Xylenes	10.35	106	203181	38.678	ug/l	90
69) o-Xylene	10.69	106	99400	19.035	ug/l	89
70) Styrene	10.71	104	168172	19.015	ug/l	95
71) Bromoform	10.85	173	49138	17.430	ug/l #	100
73) Isopropylbenzene	11.02	105	266007	18.914	ug/l	96
74) N-amyl acetate	10.90	43	101589	18.273	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.26	83	88926	18.472	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	72899m	18.090	ug/l	
77) Bromobenzene	11.25	156	73311	18.956	ug/l	80
78) n-propylbenzene	11.36	91	291440	18.614	ug/l	94
79) 2-Chlorotoluene	11.42	91	172027	18.294	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	221565	18.705	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	28787	15.783	ug/l	87
82) 4-Chlorotoluene	11.51	91	196981	18.440	ug/l	89
83) tert-Butylbenzene	11.77	119	224086	18.690	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	222540	18.599	ug/l	95
85) sec-Butylbenzene	11.94	105	263268	18.848	ug/l	95
86) p-Isopropyltoluene	12.06	119	243401	19.061	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	130258	19.121	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	129461	18.852	ug/l	98
89) n-Butylbenzene	12.38	91	208007	18.924	ug/l	98
90) Hexachloroethane	12.59	117	42295	16.627	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	130357	19.683	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19006	16.777	ug/l	70

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ClientSampleId :
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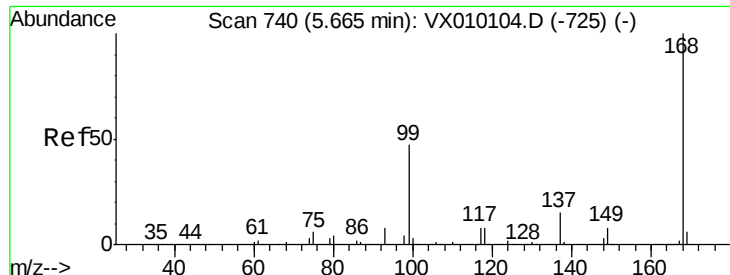
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	94267	19.445	ug/l	99
94) Hexachlorobutadiene	13.78	225	44490	20.636	ug/l	98
95) Naphthalene	13.83	128	284181	18.622	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	93320	19.469	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion:168 Resp: 291879

Ion Ratio Lower Upper

168 100

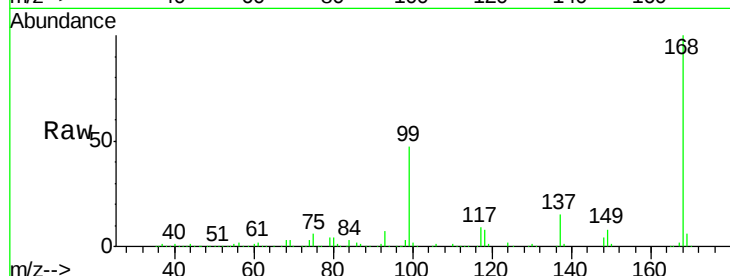
99 46.5 43.0 64.6

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

5.66

120000

100000

80000

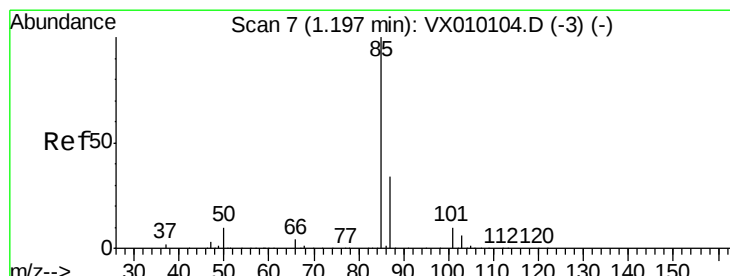
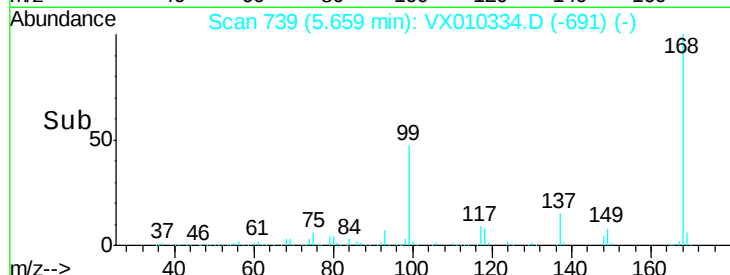
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.399 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010334.D

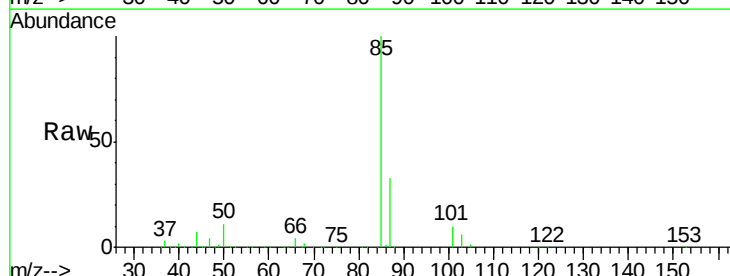
Acq: 18 Jun 2019 11:42

Tgt Ion: 85 Resp: 49415

Ion Ratio Lower Upper

85 100

87 33.0 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

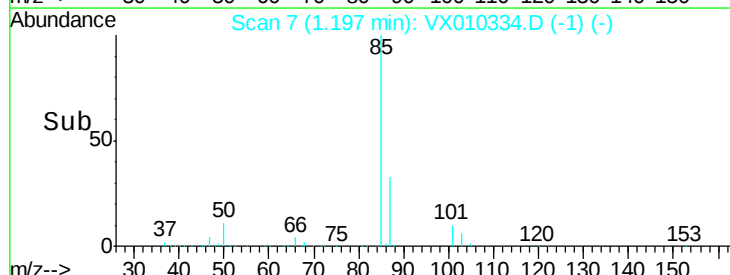
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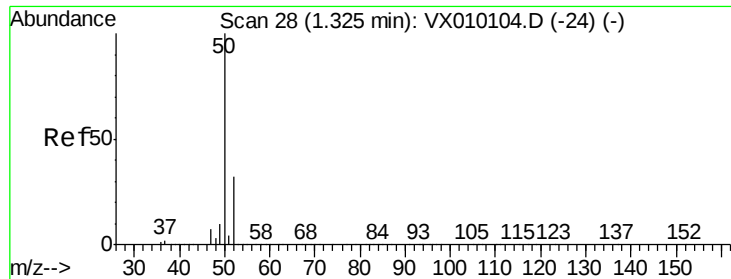
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.286 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 50 Resp: 46105

Ion Ratio Lower Upper

50 100

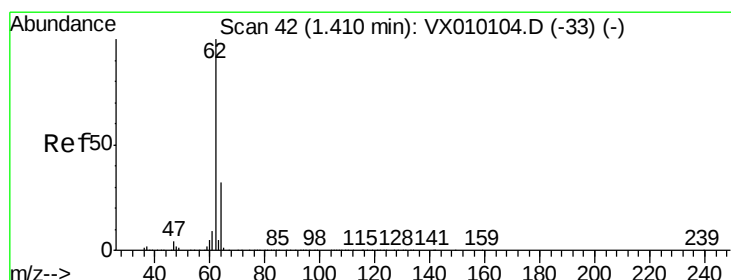
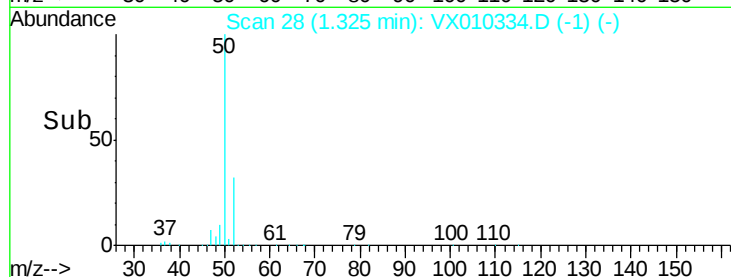
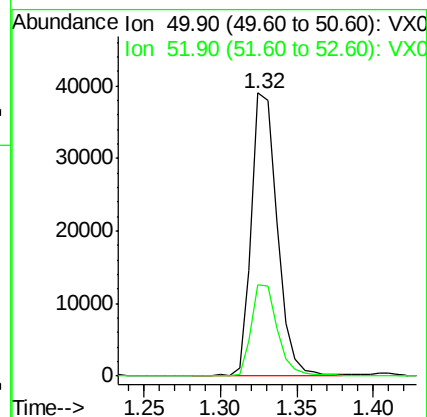
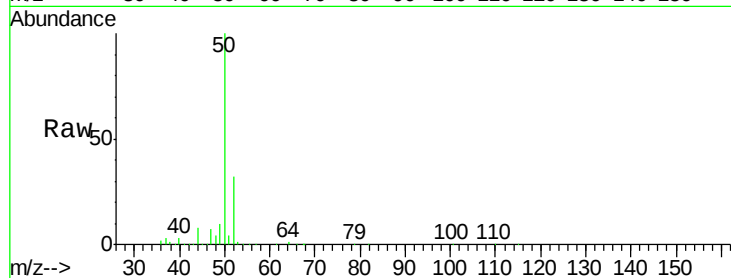
52 32.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.434 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX010334.D

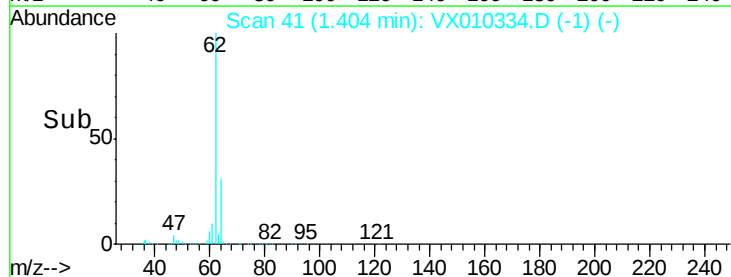
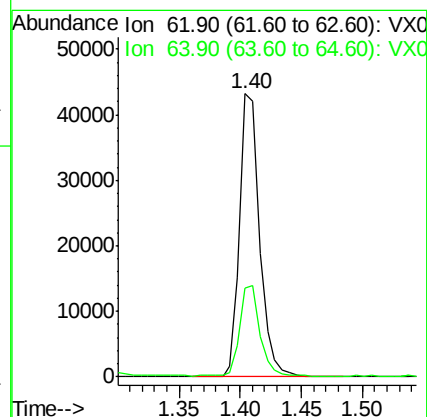
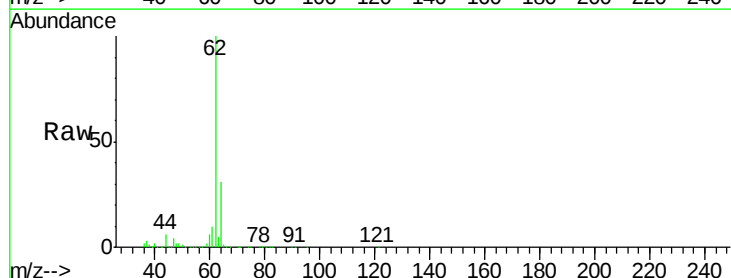
Acq: 18 Jun 2019 11:42

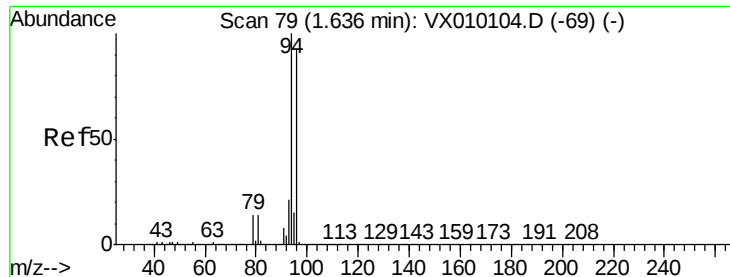
Tgt Ion: 62 Resp: 48716

Ion Ratio Lower Upper

62 100

64 31.3 25.7 38.5





#5

Bromomethane

Concen: 26.576 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 94 Resp: 25140

Ion Ratio Lower Upper

94 100

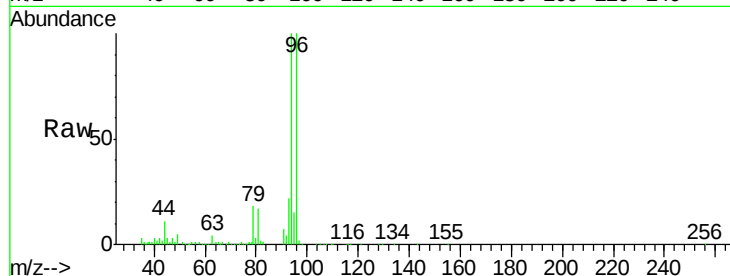
96 100.3 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

25000

20000

15000

10000

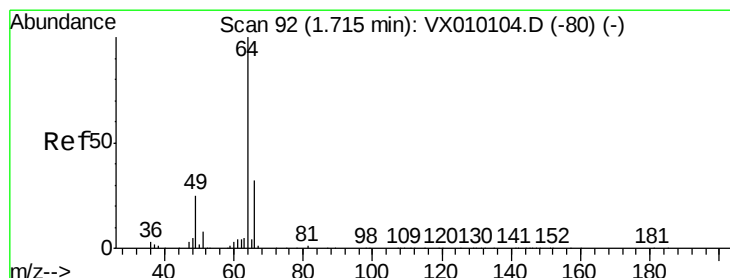
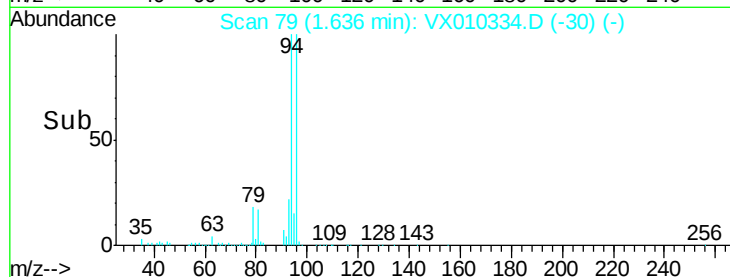
5000

0

1.64

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 25.140 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010334.D

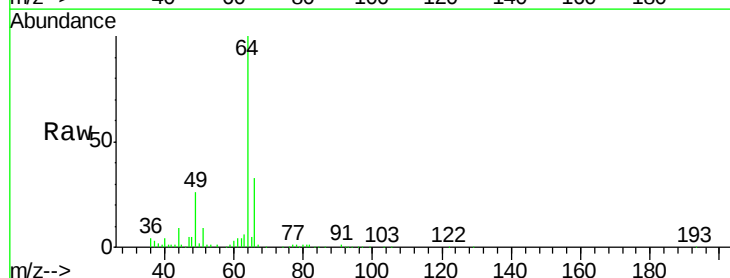
Acq: 18 Jun 2019 11:42

Tgt Ion: 64 Resp: 31774

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

25000

20000

15000

10000

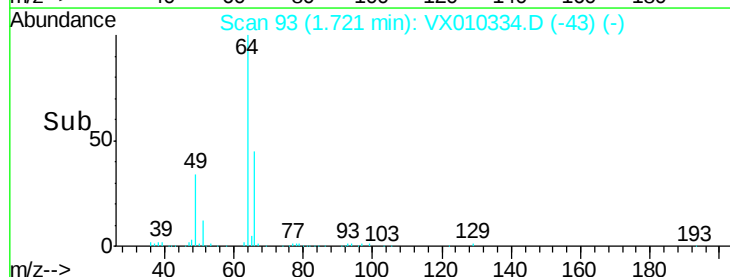
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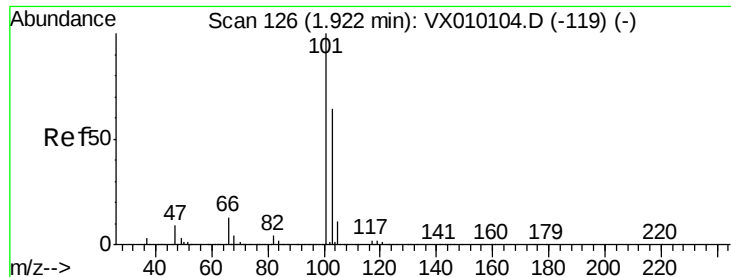
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1.72

1.60 1.70 1.80

Time-->





#7

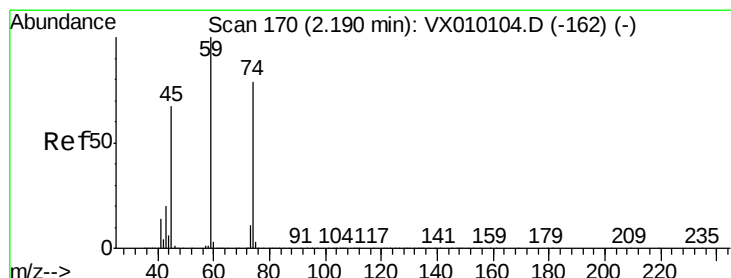
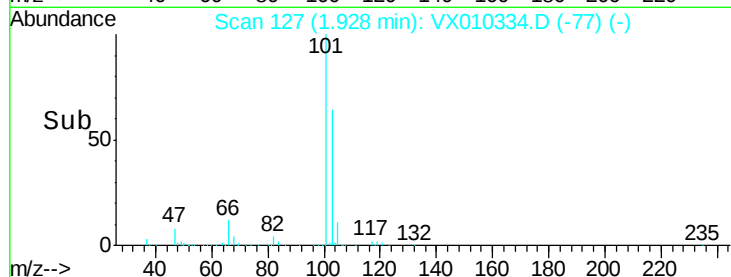
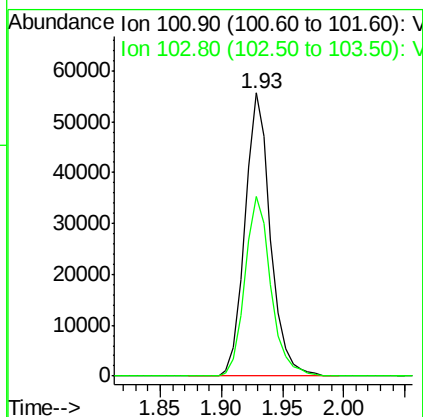
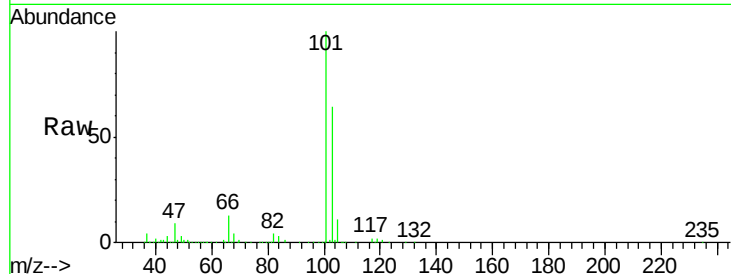
Trichlorofluoromethane
Concen: 21.616 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.2	78.4

Manual Integrations
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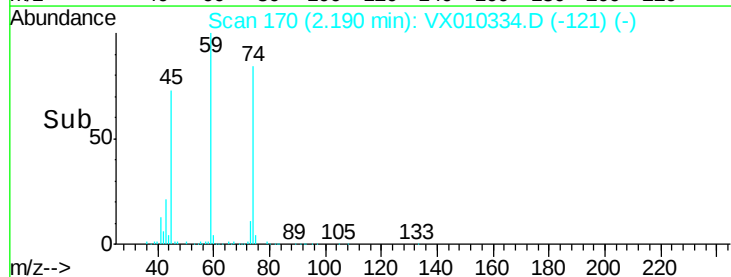
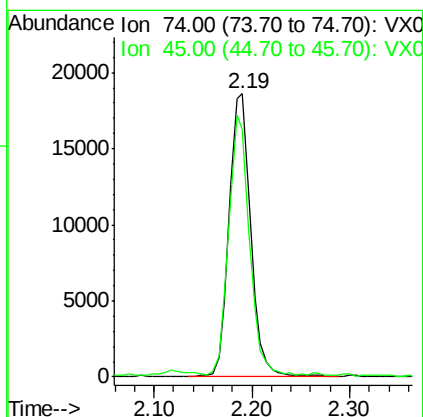
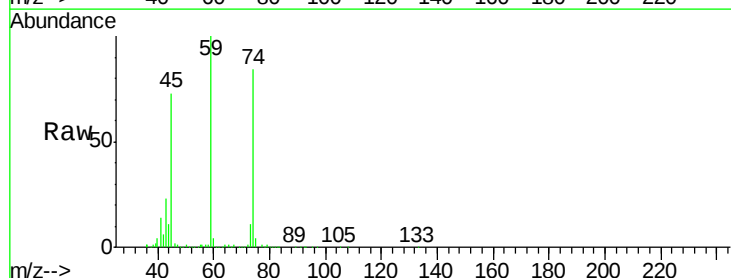
MMDadoda
6/20/2019 8:58:22 AM

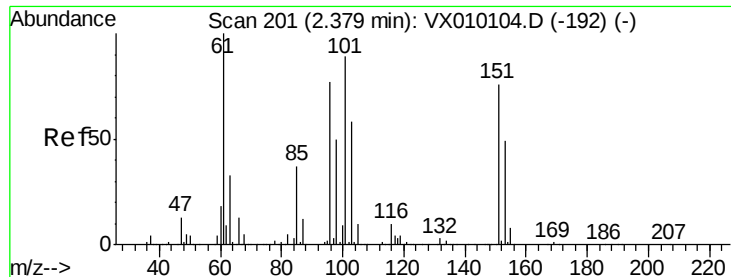


#8

Diethyl Ether
Concen: 22.383 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.2	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.208 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

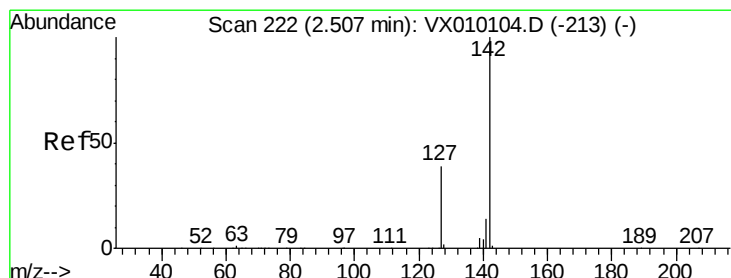
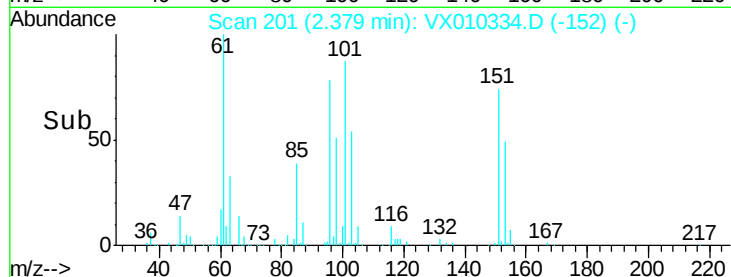
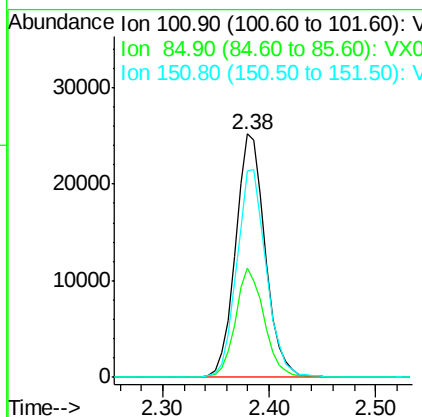
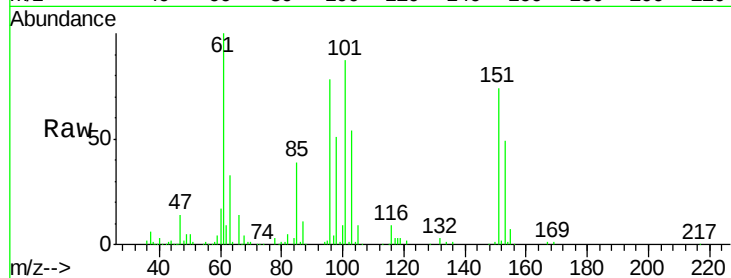
ClientSampleId :

VX0618WBS01

Tot Ion:	101	Resp:	49302
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.2	52.8
151	85.2	61.9	92.9

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#10

Methyl Iodide

Concen: 14.681 ug/l

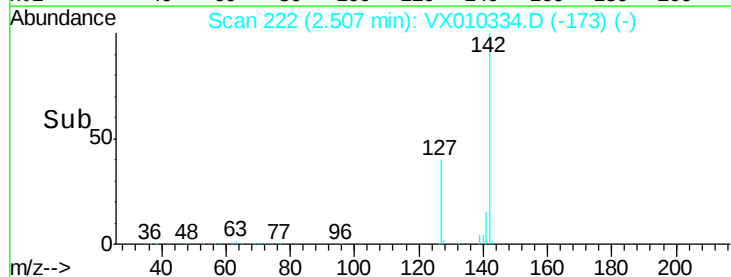
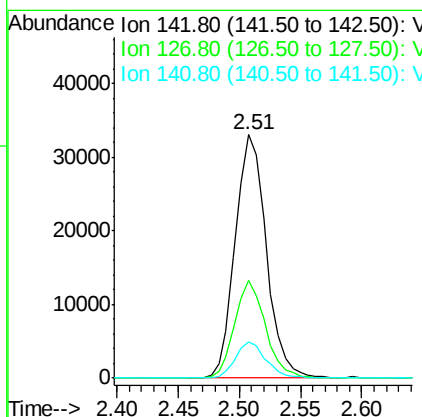
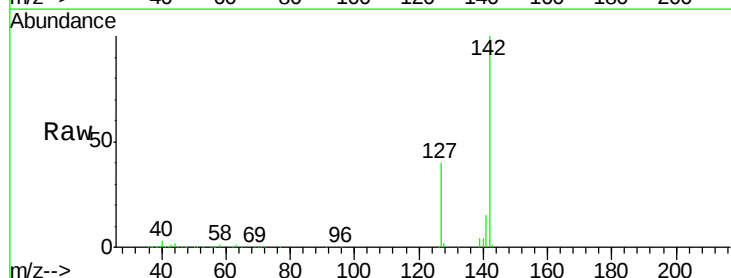
RT: 2.51 min Scan# 222

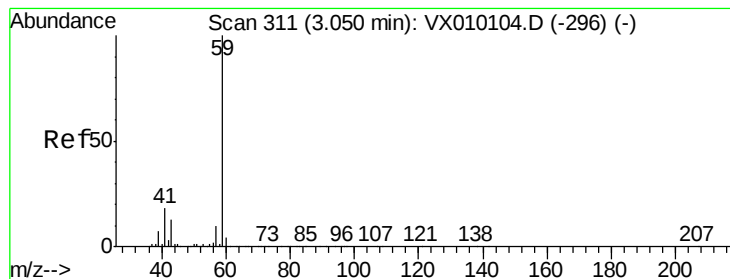
Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Tgt Ion:	142	Resp:	58385
Ion Ratio	Lower	Upper	
142	100		
127	39.7	33.0	49.4
141	14.6	11.4	17.0





#11

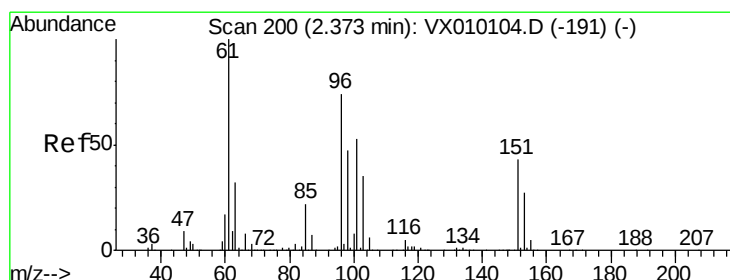
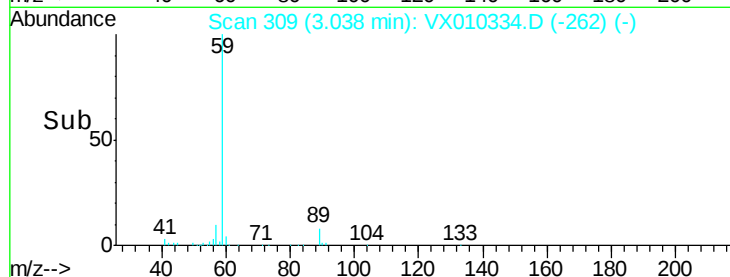
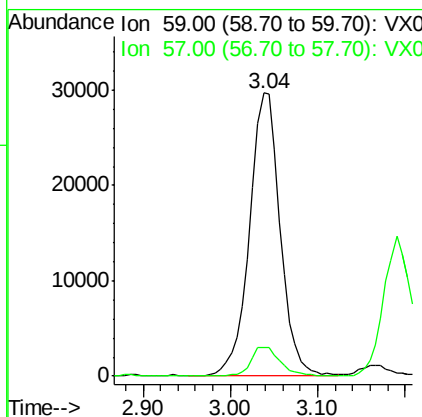
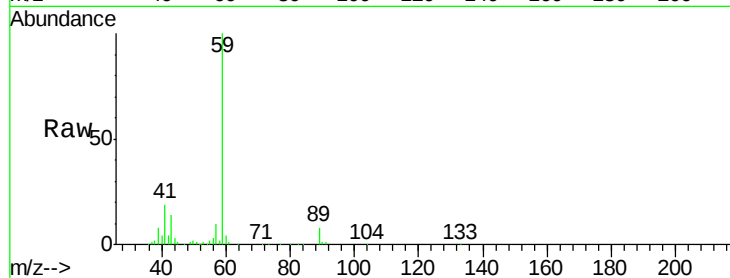
Tert butyl alcohol
Concen: 104.126 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion: 59 Resp: 72674
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.2

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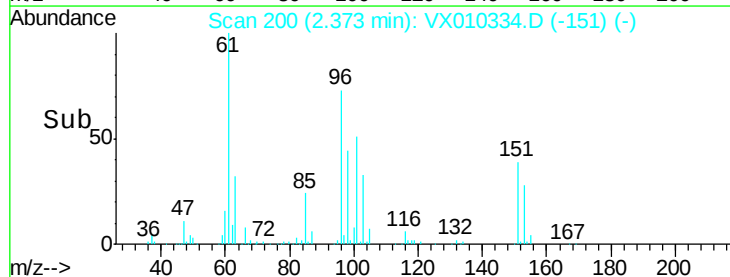
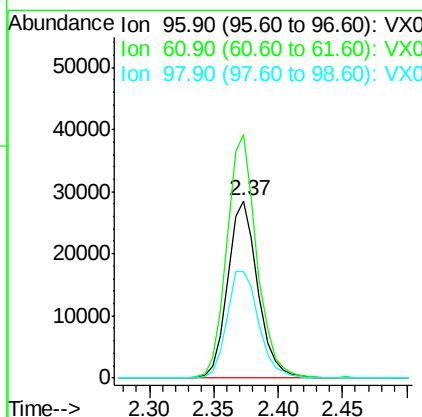
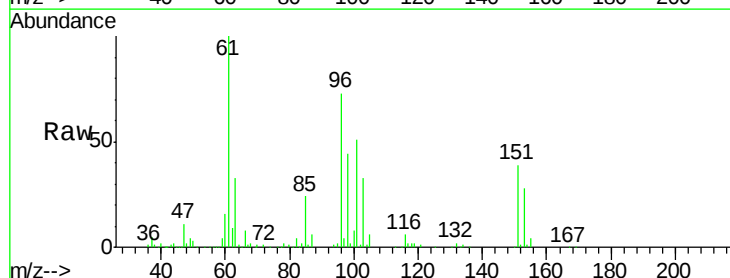
MMDadoda
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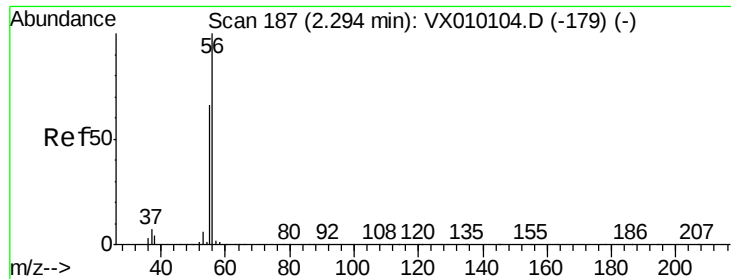


#12

1,1-Dichloroethene
Concen: 17.795 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion: 96 Resp: 46653
Ion Ratio Lower Upper
96 100
61 137.4 140.7 211.1#
98 60.5 50.1 75.1





#13

Acrolein

Concen: 70.987 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 56 Resp: 9034

Ion Ratio Lower Upper

56 100

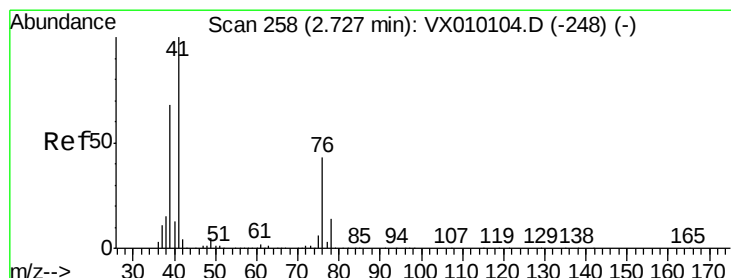
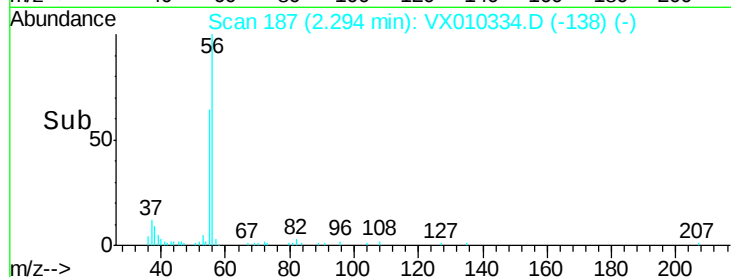
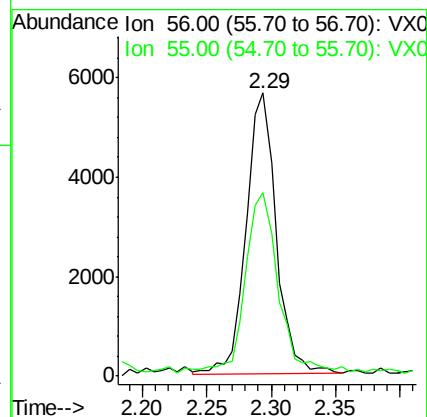
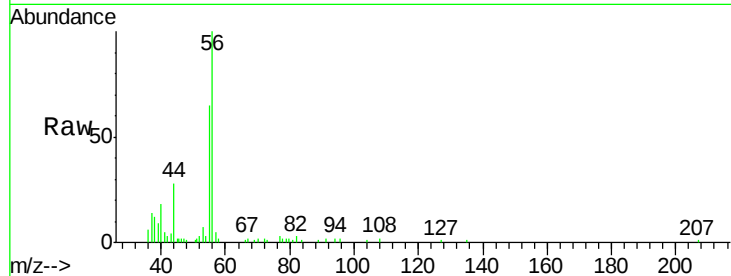
55 71.5 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 17.694 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

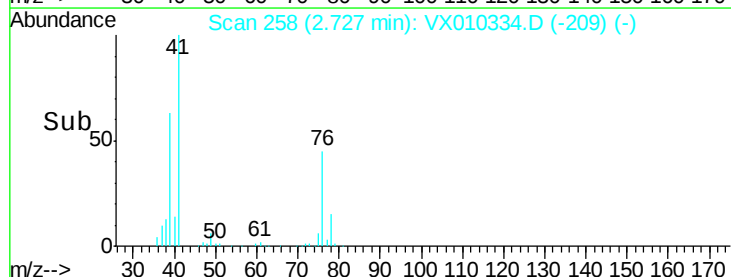
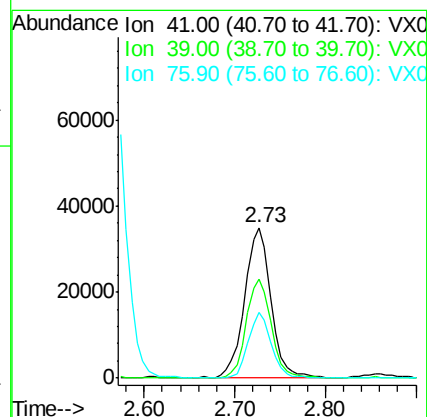
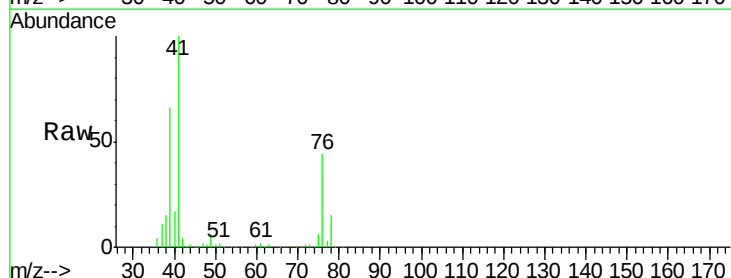
Tgt Ion: 41 Resp: 70023

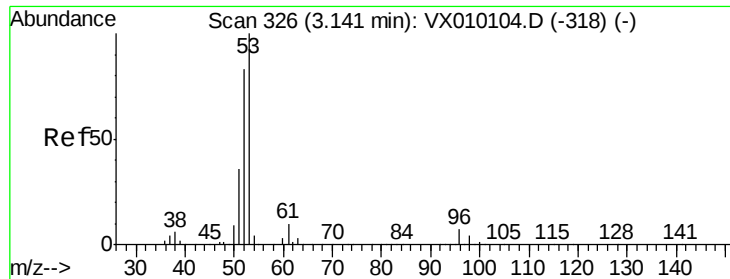
Ion Ratio Lower Upper

41 100

39 62.1 46.7 70.1

76 37.8 21.0 31.4#





#15

Acrylonitrile

Concen: 94.757 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

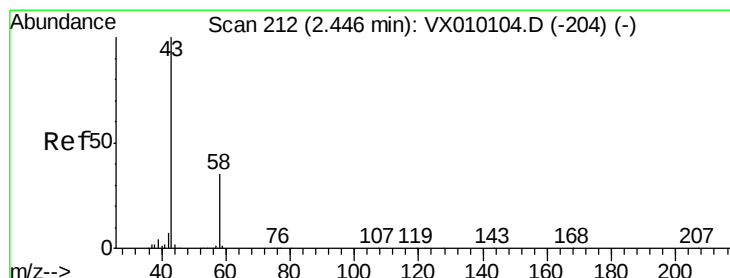
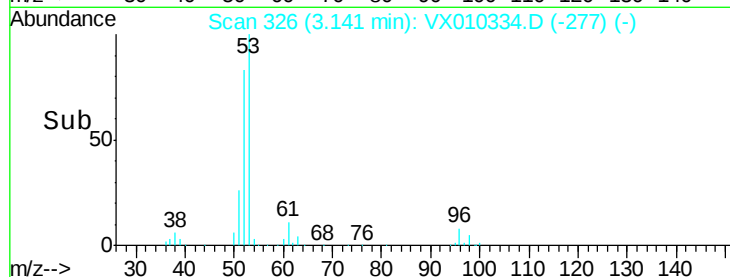
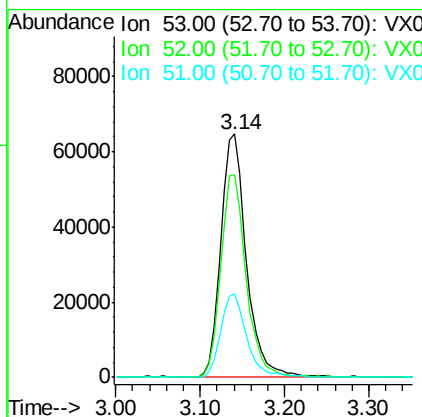
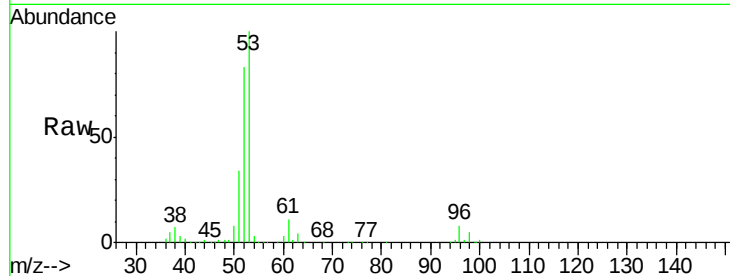
ClientSampleId :

VX0618WBS01

Tot Ion:	53	Resp:	135179
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.7	100.1
51	34.8	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 95.357 ug/l

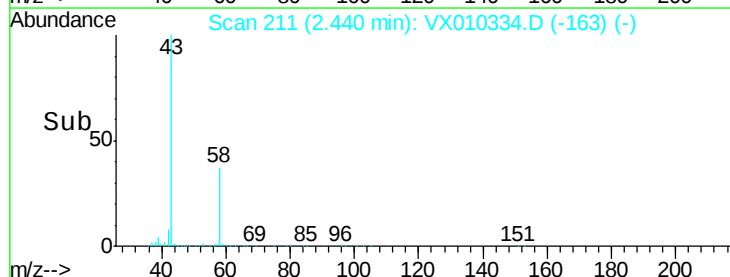
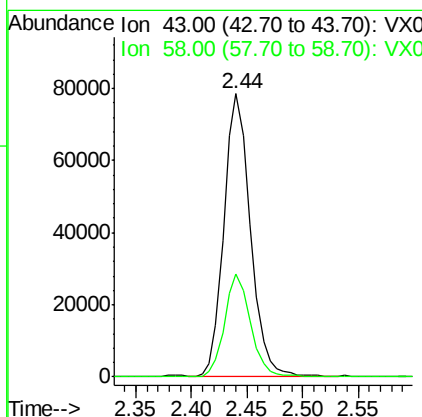
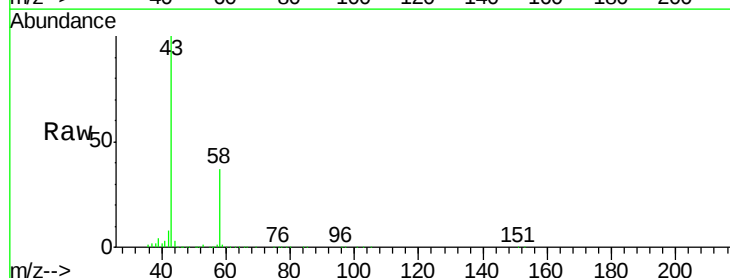
RT: 2.44 min Scan# 211

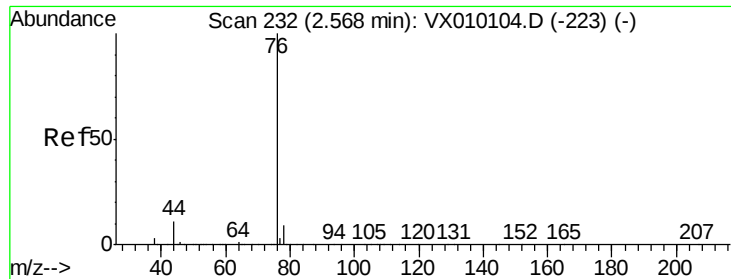
Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Tgt Ion:	43	Resp:	127782
Ion	Ratio	Lower	Upper
43	100		
58	36.5	23.2	34.8#





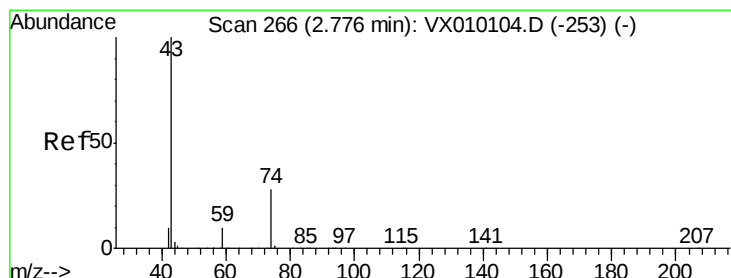
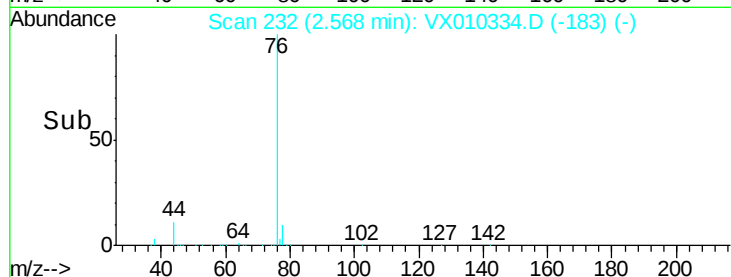
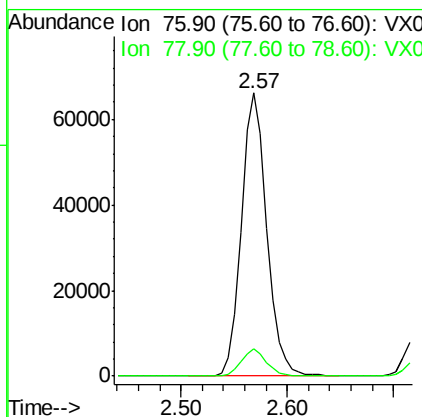
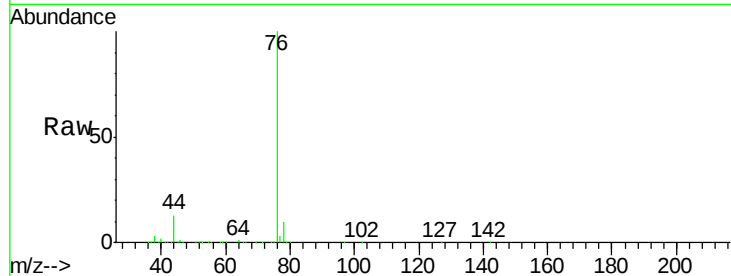
#17
Carbon Disulfide
Concen: 14.602 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	110611		
78	9.6	7.0	10.6	

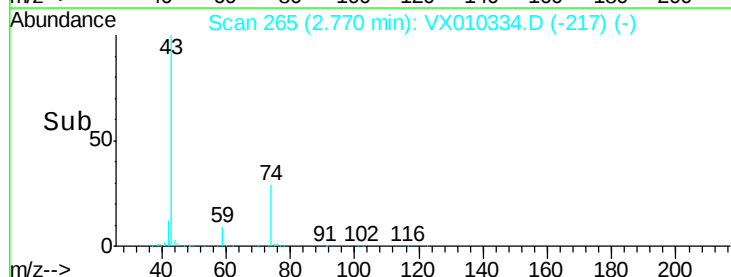
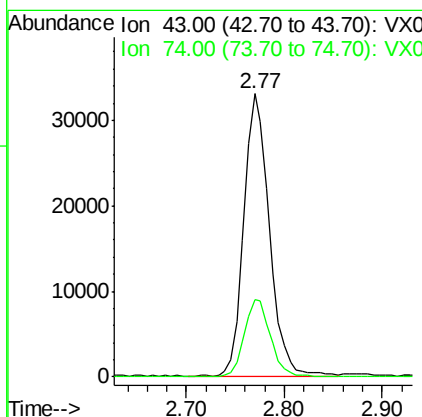
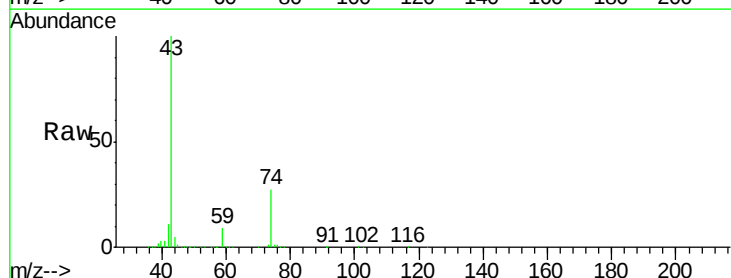
Manual Integrations
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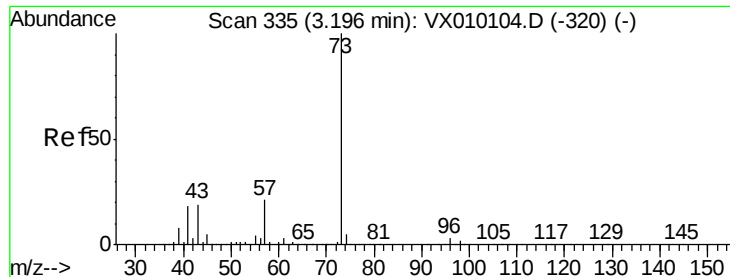
MMDadoda
6/20/2019 8:58:22 AM



#18
Methyl Acetate
Concen: 20.251 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	59681		
74	28.4	15.8	23.6	#





#19

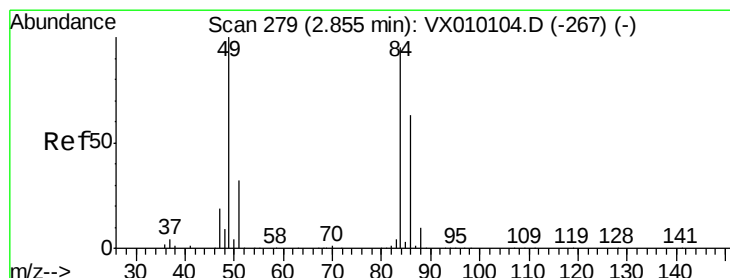
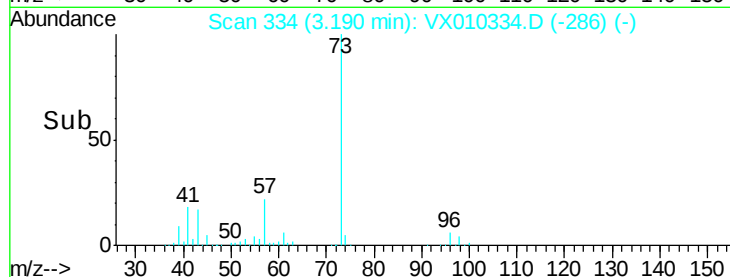
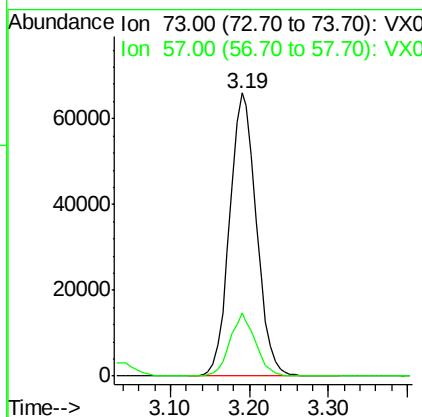
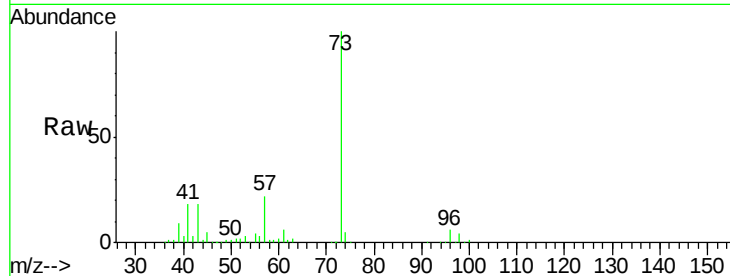
Methyl tert-butyl Ether
 Concen: 18.493 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010334.D
 Acq: 18 Jun 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	19.4	29.2

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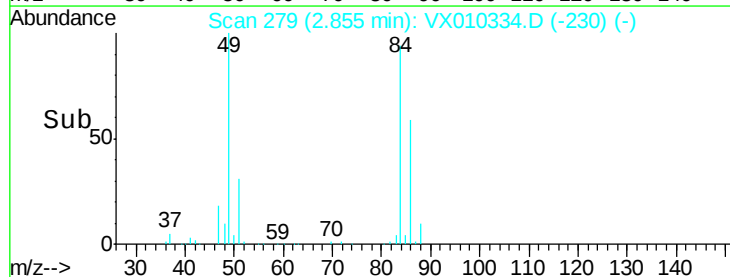
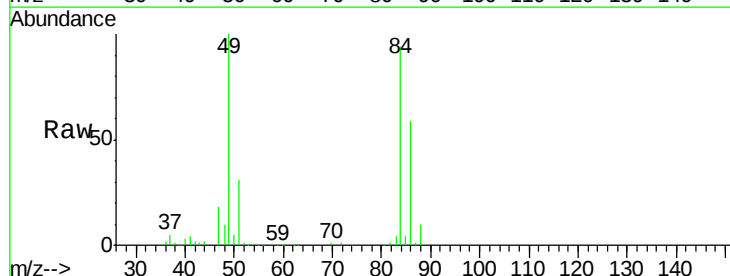
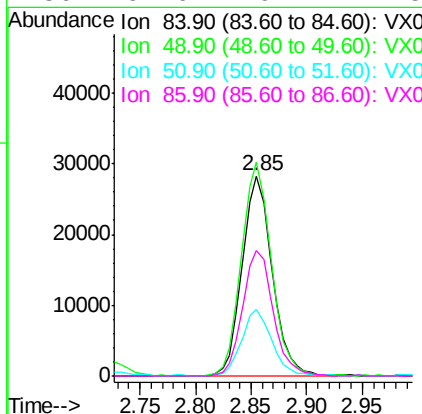
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 6/20/2019 8:58:22 AM

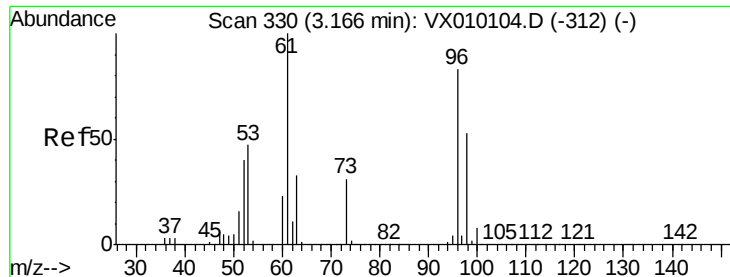


#20

Methylene Chloride
 Concen: 18.107 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010334.D
 Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.4	115.8	173.6#
51	33.4	34.4	51.6#
86	62.6	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 16.894 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

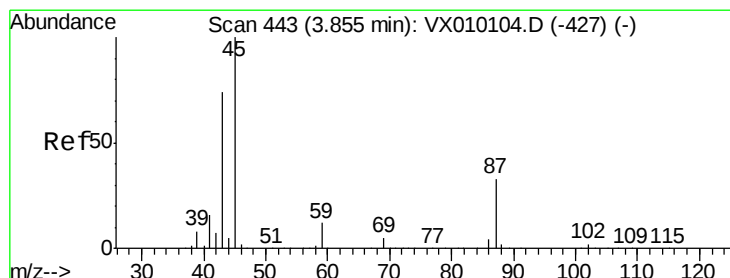
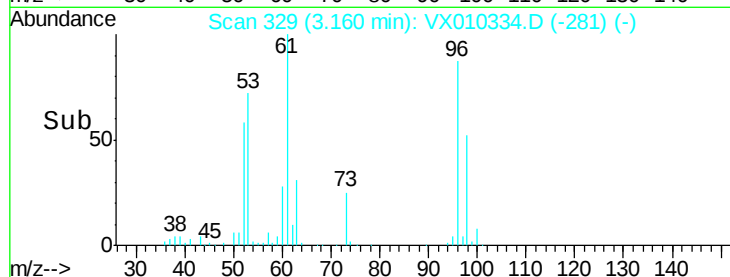
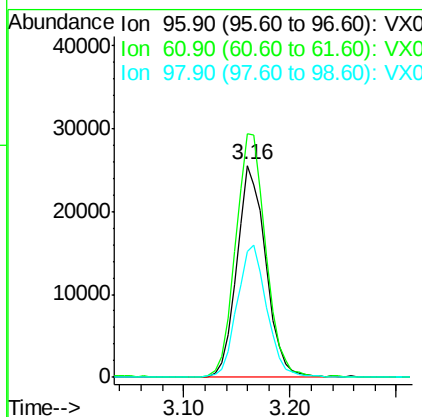
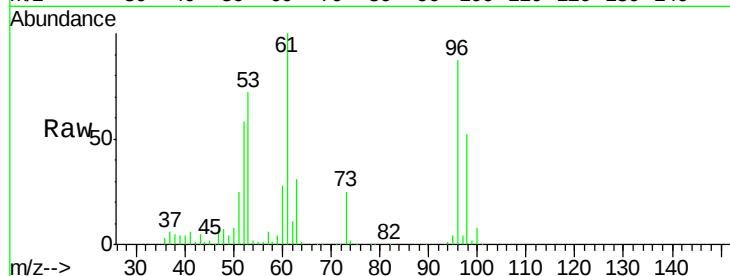
ClientSampleId :

VX0618WBS01

Tot Ion:	96	Resp:	49015
Ion	Ratio	Lower	Upper
96	100		
61	114.9	125.7	188.5#
98	59.3	49.0	73.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.202 ug/l

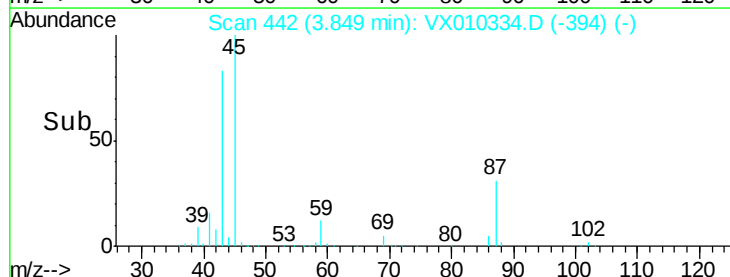
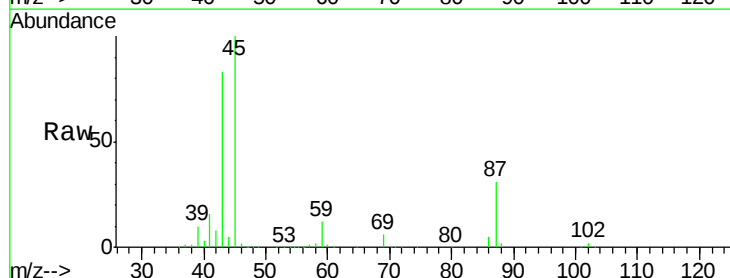
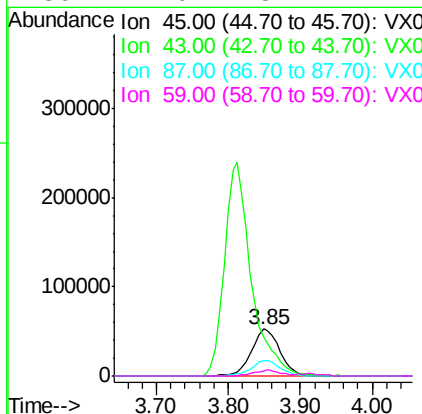
RT: 3.85 min Scan# 442

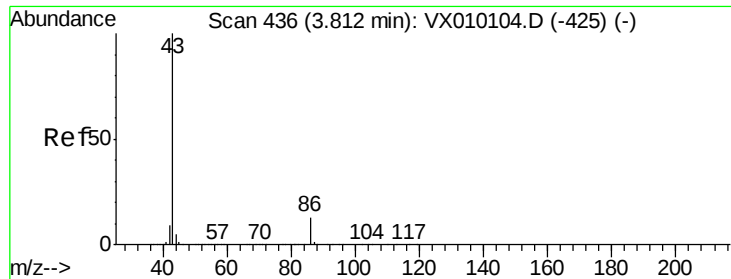
Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Tgt Ion:	45	Resp:	145285
Ion	Ratio	Lower	Upper
45	100		
43	82.7	65.0	97.4
87	31.4	17.3	25.9#
59	12.0	8.1	12.1





#23

Vinyl Acetate

Concen: 92.263 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampled :

VX0618WBS01

Tot Ion: 43 Resp: 622769

Ion Ratio Lower Upper

43 100

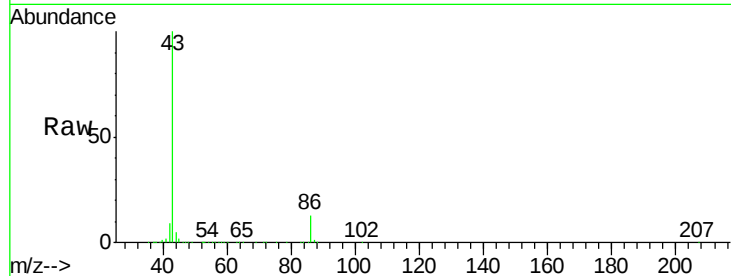
86 12.8 6.5 9.7#

Manual Integrations

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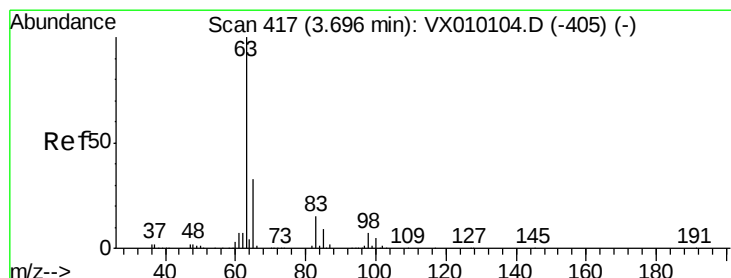
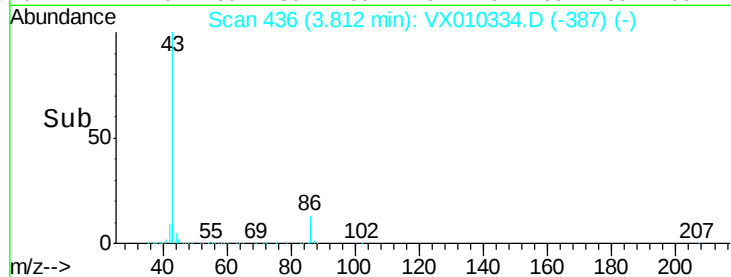
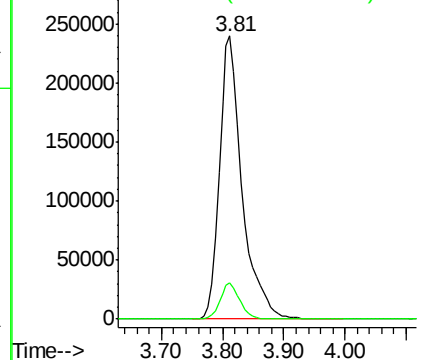
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.704 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

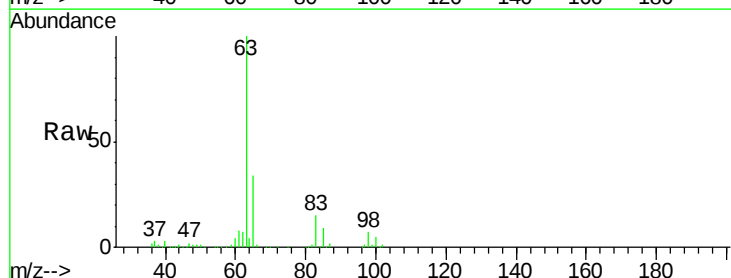
Tgt Ion: 63 Resp: 81329

Ion Ratio Lower Upper

63 100

98 7.4 2.9 8.8

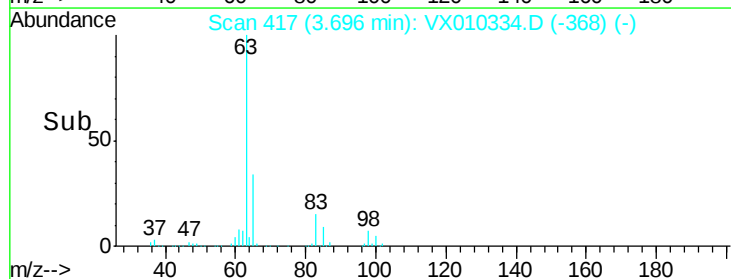
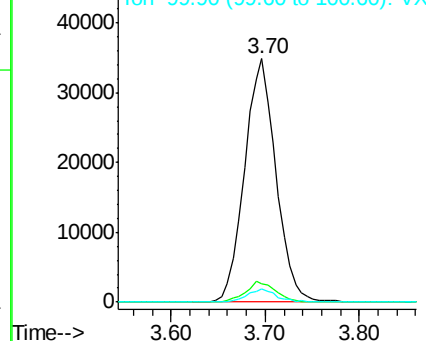
100 5.2 1.8 5.4

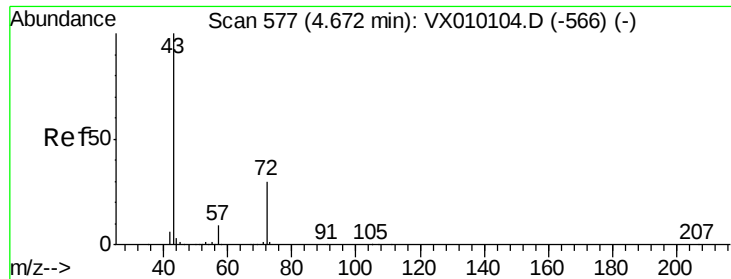


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.966 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 43 Resp: 193489

Ion Ratio Lower Upper

43 100

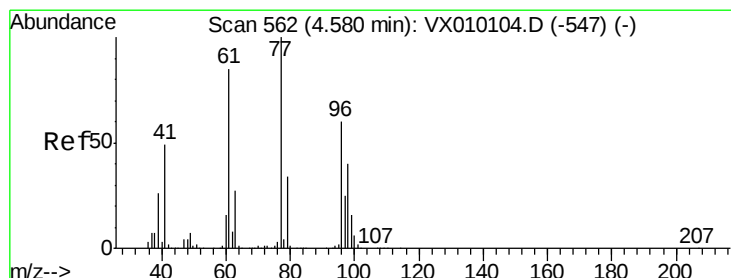
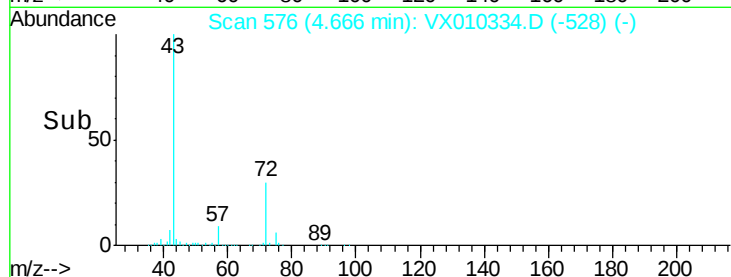
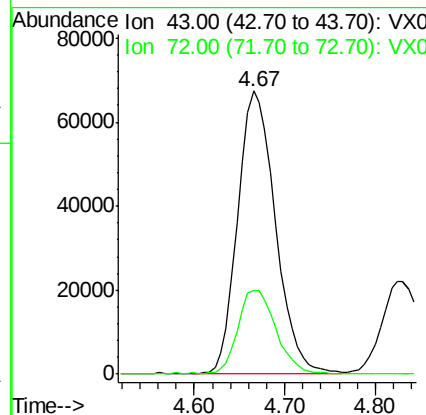
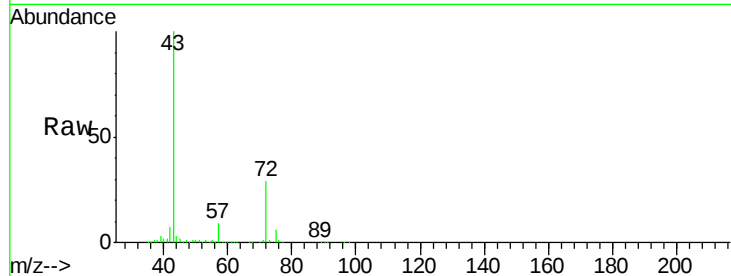
72 29.3 17.5 26.3#

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 17.420 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010334.D

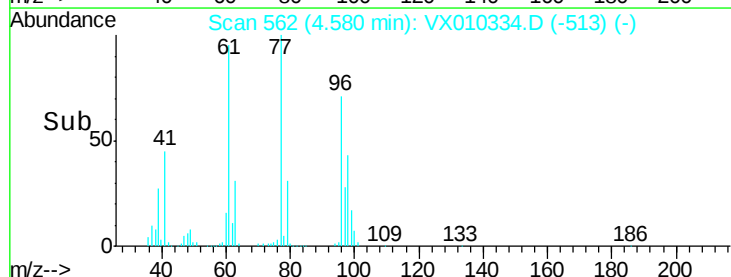
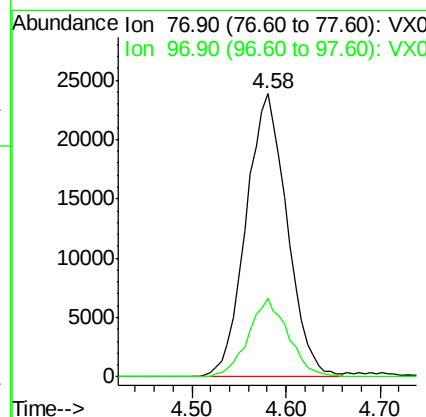
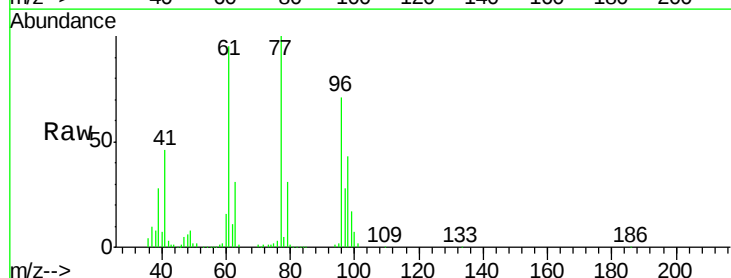
Acq: 18 Jun 2019 11:42

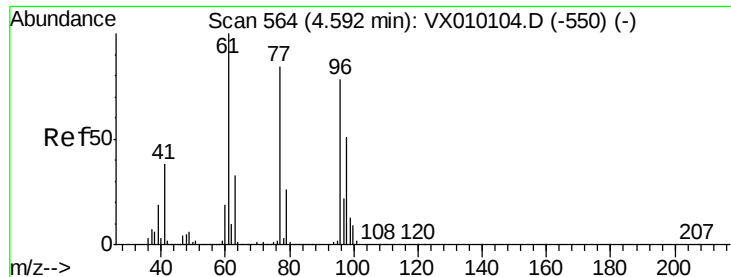
Tgt Ion: 77 Resp: 73006

Ion Ratio Lower Upper

77 100

97 26.8 11.4 34.2





#27

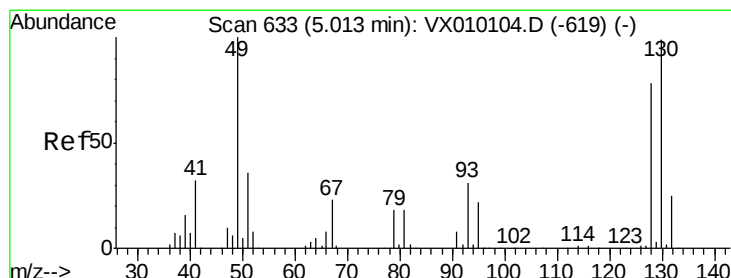
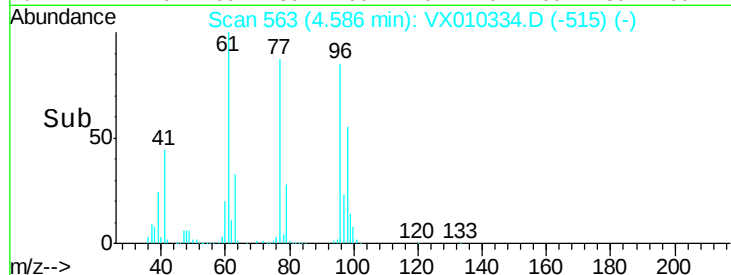
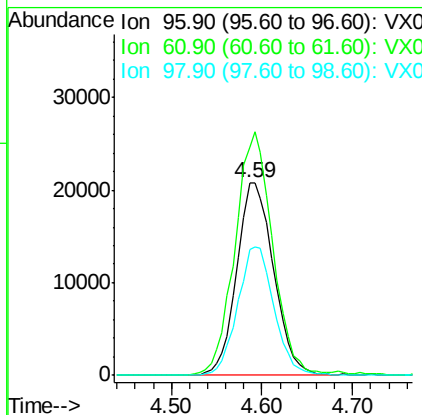
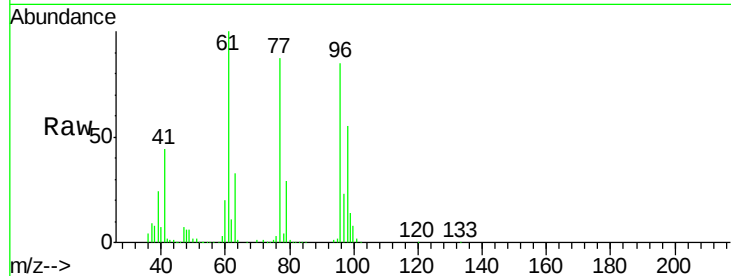
cis-1,2-Dichloroethene
Concen: 18.258 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	58931		
61	128.1	0.0	334.0	
98	65.6	0.0	131.6	

Manual Integrations
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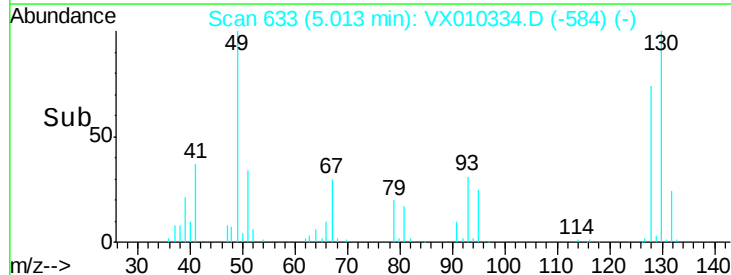
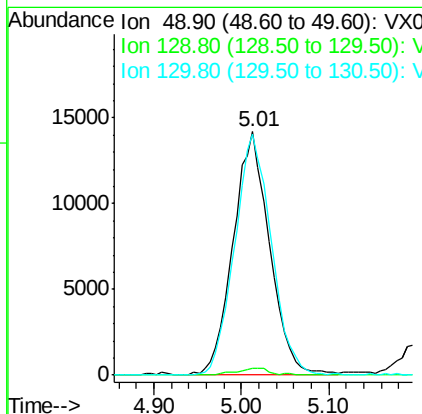
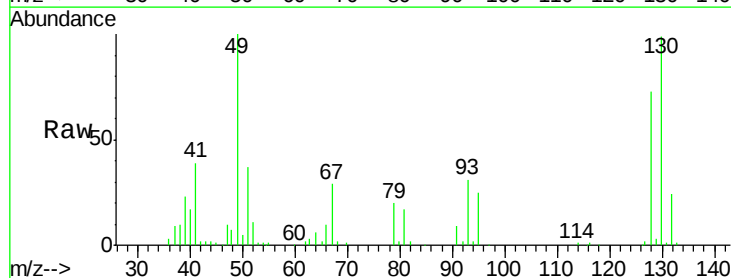
MMDadoda
6/20/2019 8:58:22 AM

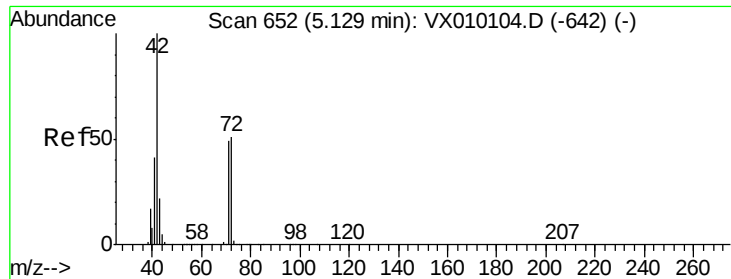


#28

Bromochloromethane
Concen: 20.050 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	41280		
129	2.4	0.0	3.4	
130	99.5	49.4	74.2	





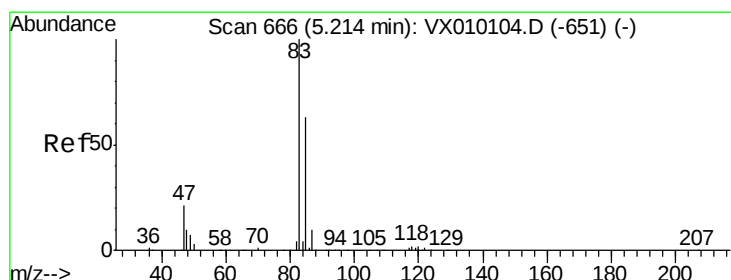
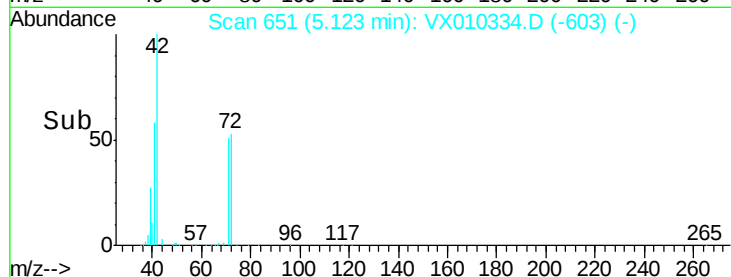
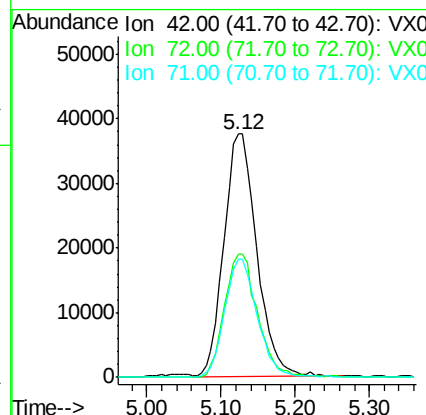
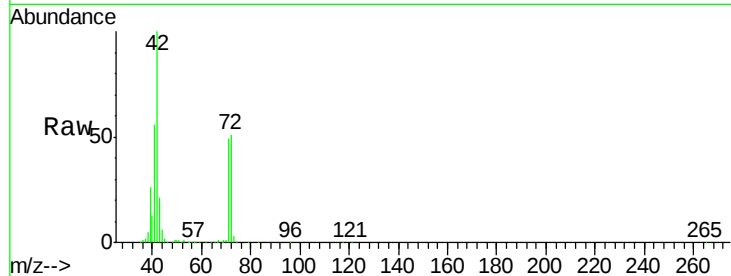
#29
Tetrahydrofuran
Concen: 92.016 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.4	29.2	43.8#
71	48.6	27.6	41.4#

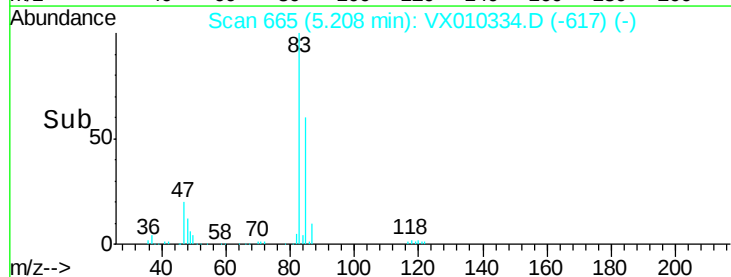
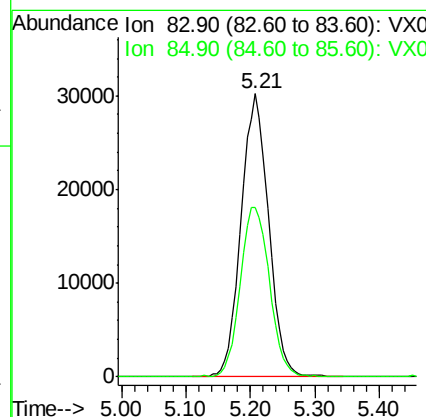
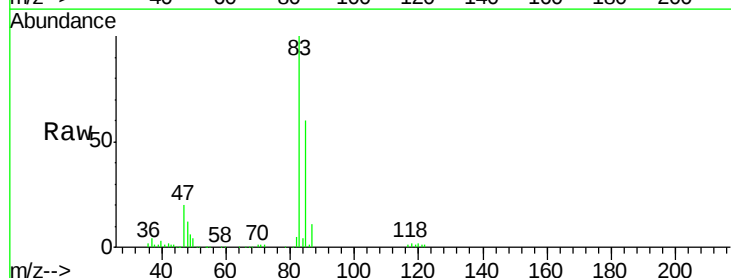
Manual Integrations
APPROVED

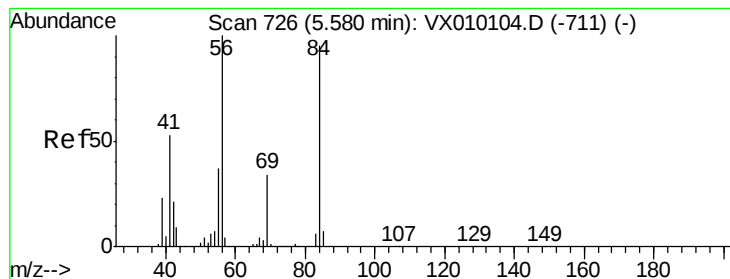
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#30
Chloroform
Concen: 18.702 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	52.6	78.8





#31

Cyclohexane

Concen: 17.729 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

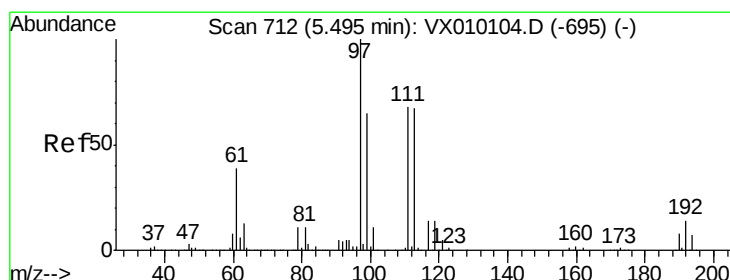
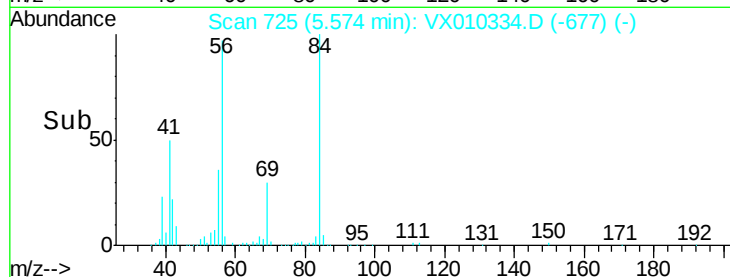
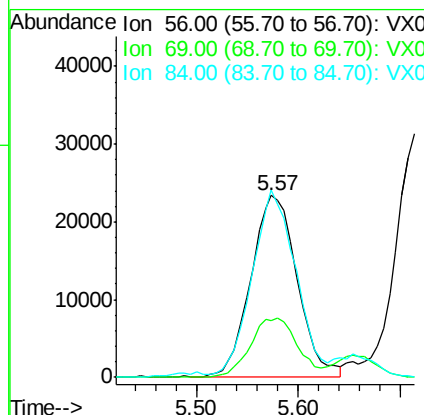
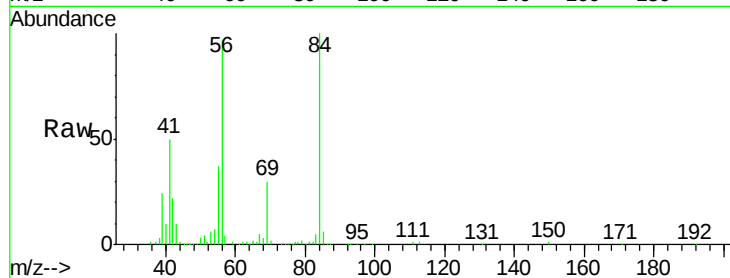
ClientSampleId :

VX0618WBS01

Tot Ion:	56	Resp:	73505
Ion	Ratio	Lower	Upper
56	100		
69	31.1	21.6	32.4
84	101.7	56.8	85.2#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.654 ug/l

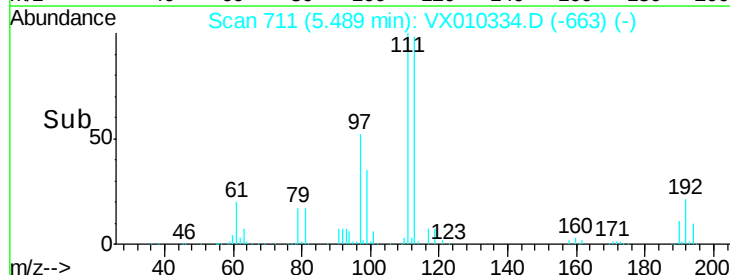
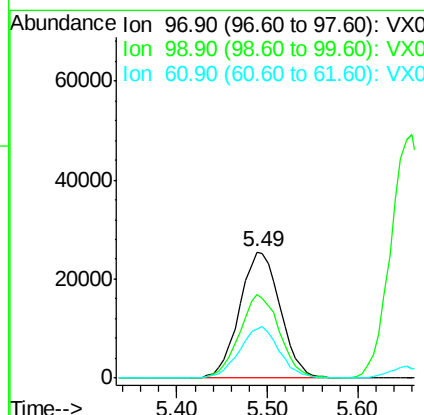
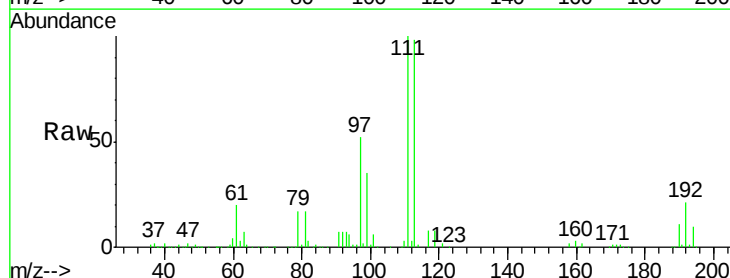
RT: 5.49 min Scan# 711

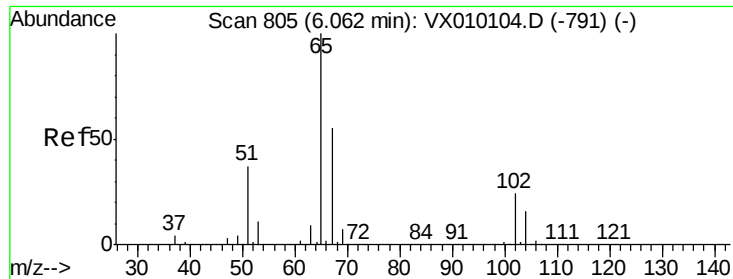
Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Tgt Ion:	97	Resp:	79184
Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.0	76.4
61	39.7	38.7	58.1





#33

1,2-Dichloroethane-d4

Concen: 50.486 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 65 Resp: 143837

Ion Ratio Lower Upper

65 100

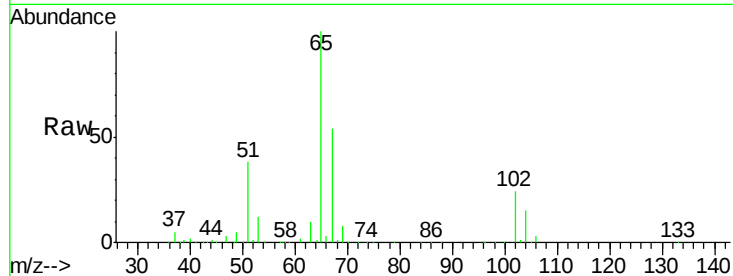
67 55.2 0.0 108.4

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

60000

50000

40000

30000

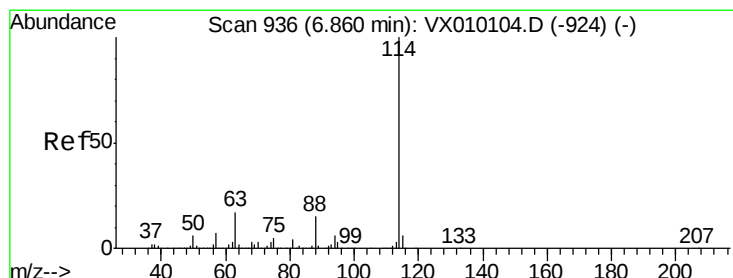
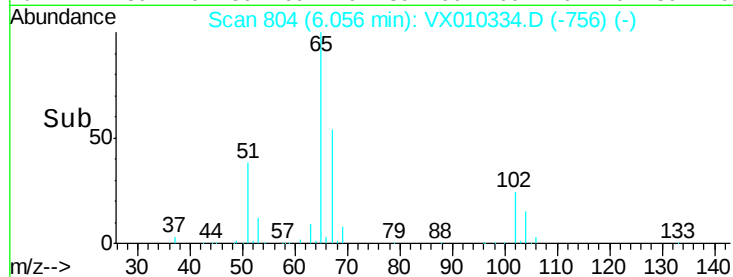
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

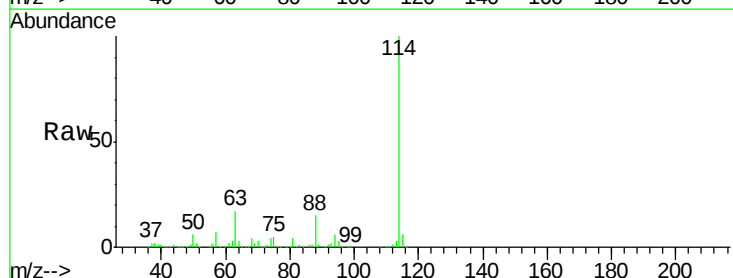
Tgt Ion: 114 Resp: 423047

Ion Ratio Lower Upper

114 100

63 16.7 0.0 47.4

88 14.8 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

250000

200000

150000

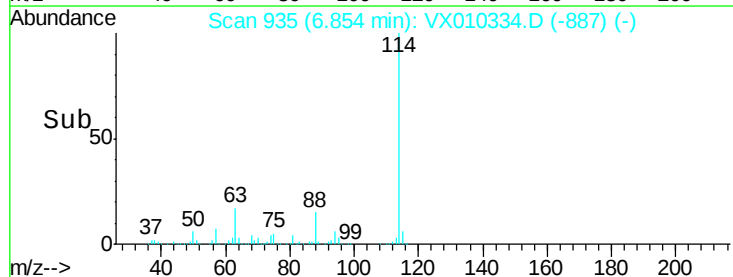
100000

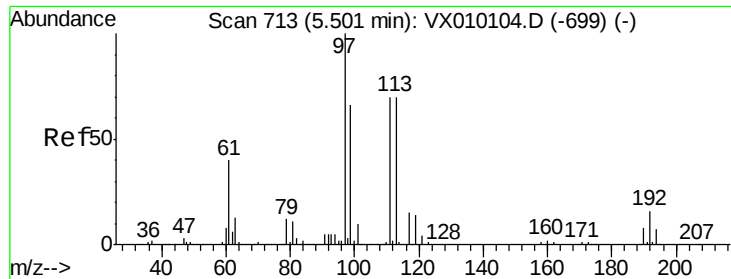
50000

0

6.80 6.90

Time-->





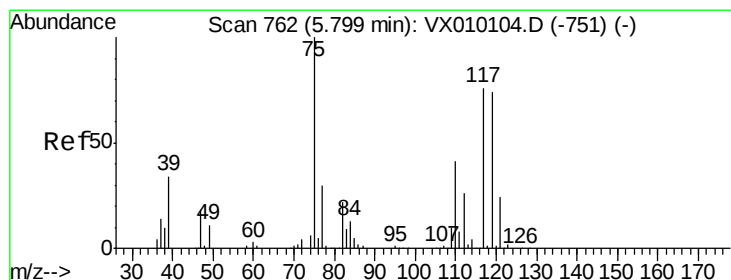
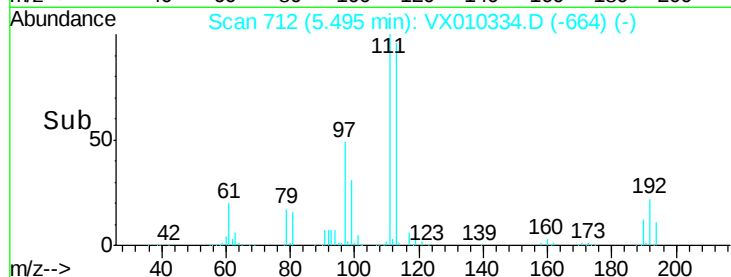
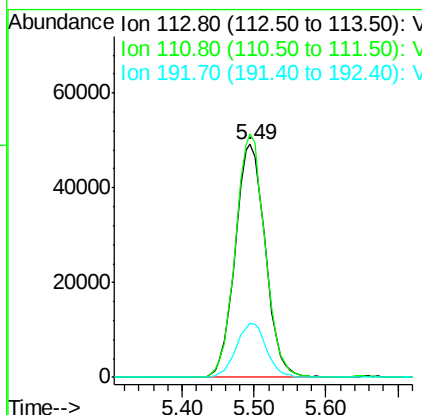
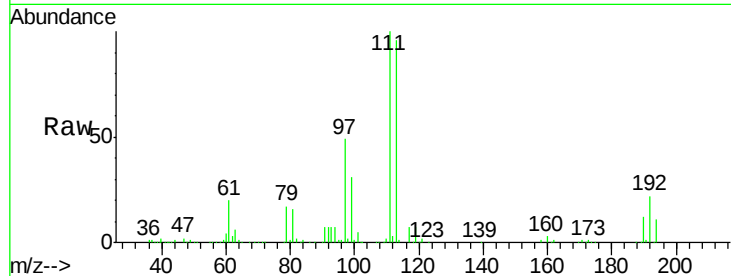
#35
Dibromofluoromethane
Concen: 54.947 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	82.2	123.2	
192	23.1	17.1	25.7	

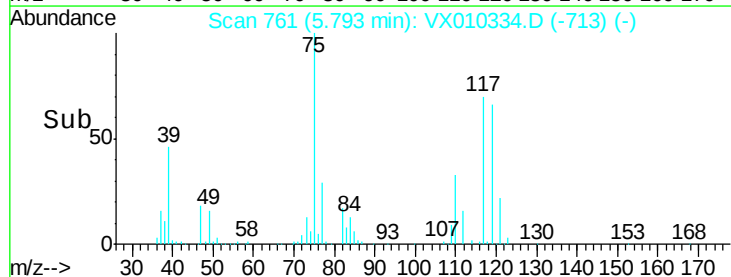
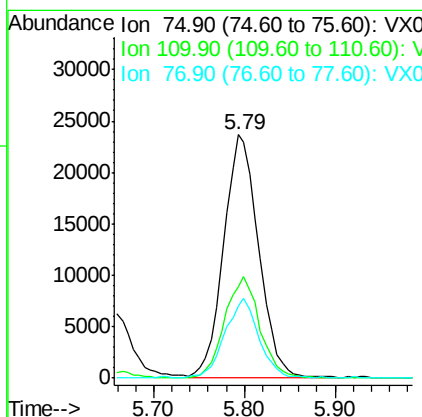
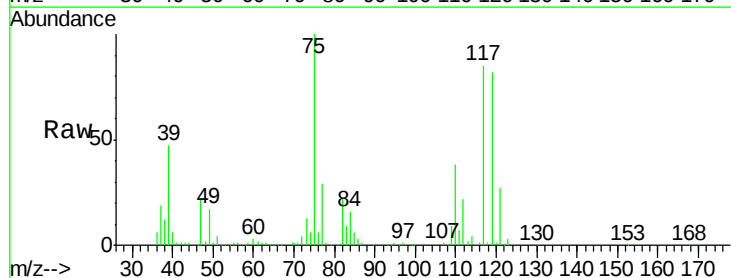
Manual Integrations
APPROVED

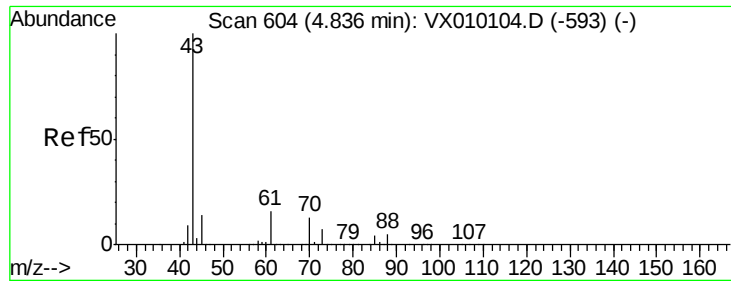
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#36
1,1-Dichloropropene
Concen: 18.261 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	42.2	16.7	50.1	
77	32.0	25.0	37.4	





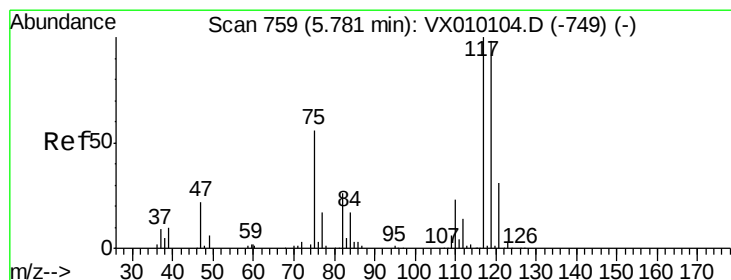
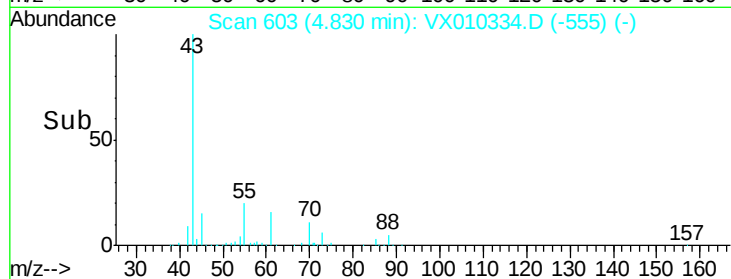
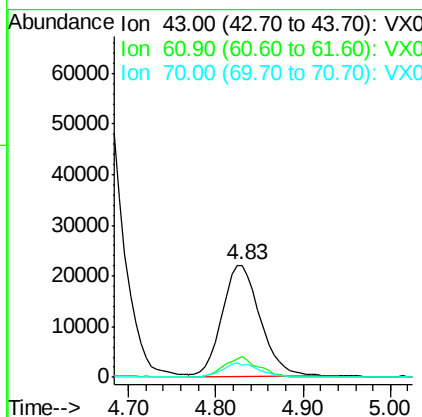
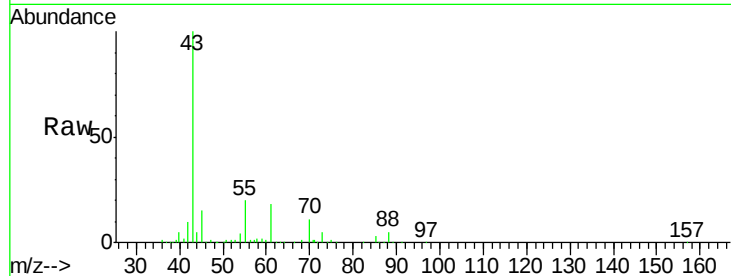
#37
Ethyl Acetate
Concen: 18.558 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	10.2	15.2#
70	12.6	7.4	11.2#

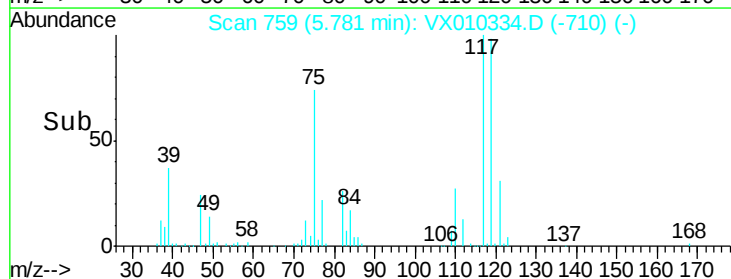
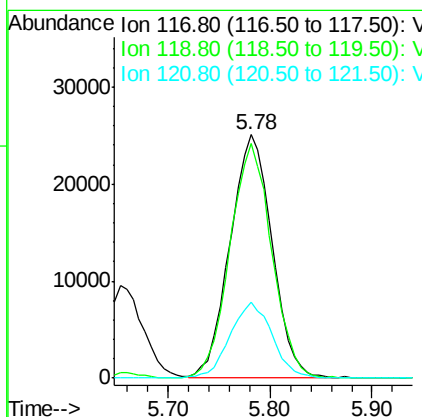
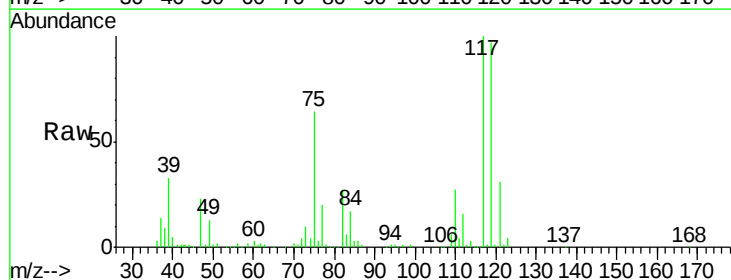
Manual Integrations
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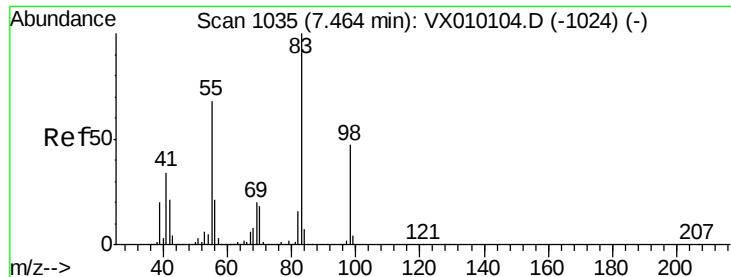
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#38
Carbon Tetrachloride
Concen: 18.264 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.3	115.9
121	31.2	25.4	38.0





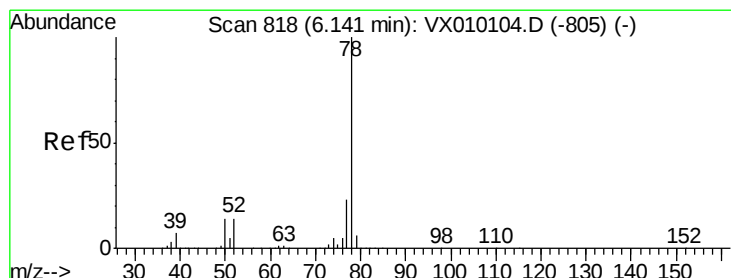
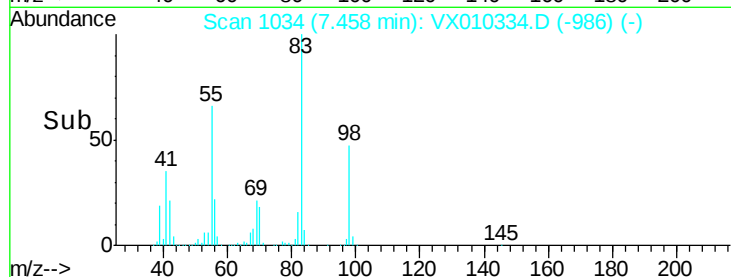
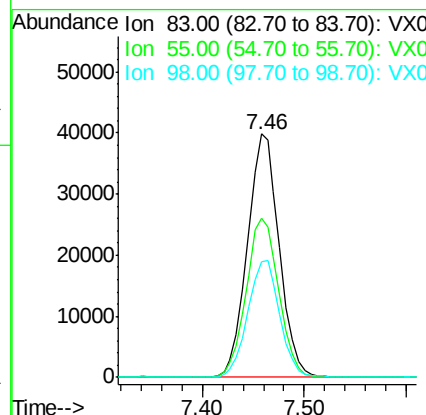
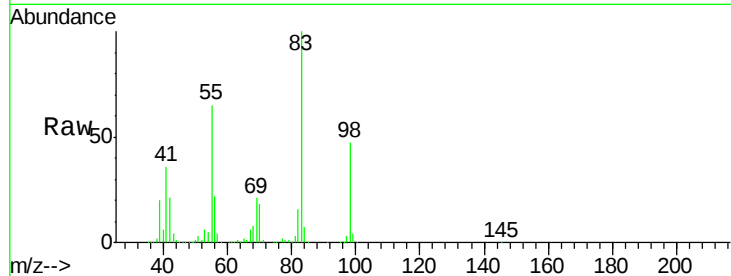
#39
Methvlcvclohexane
Concen: 18.365 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.5	69.9	104.9#
98	47.3	35.1	52.7

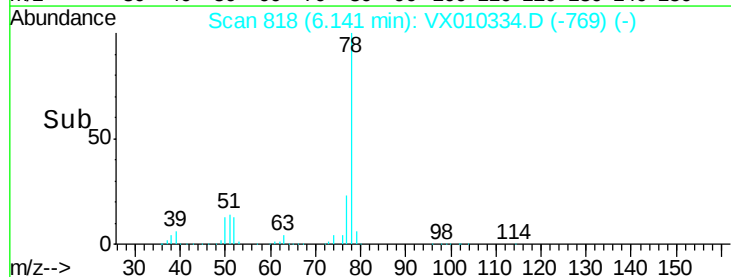
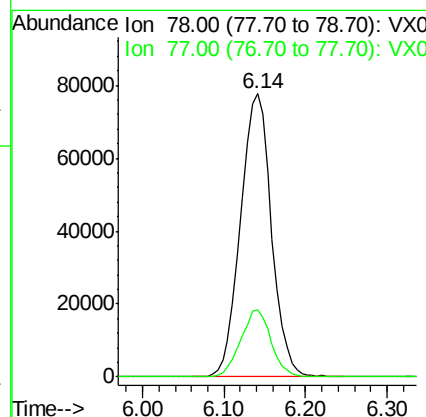
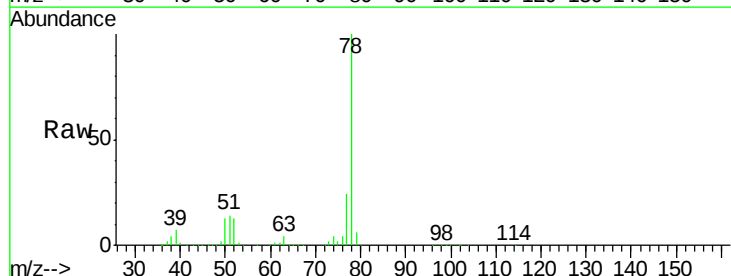
Manual Integrations
APPROVED

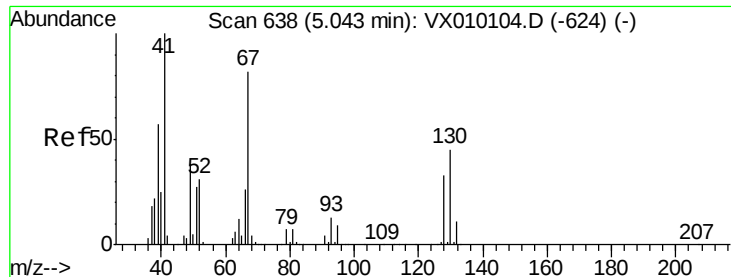
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#40
Benzene
Concen: 19.108 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





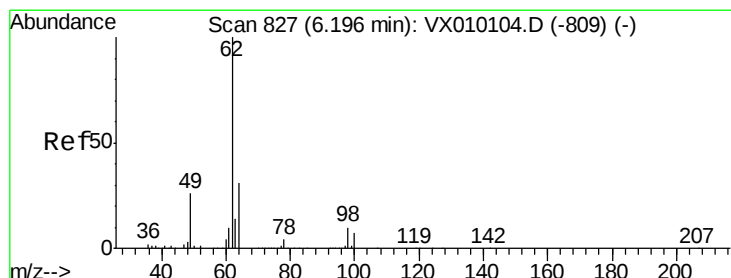
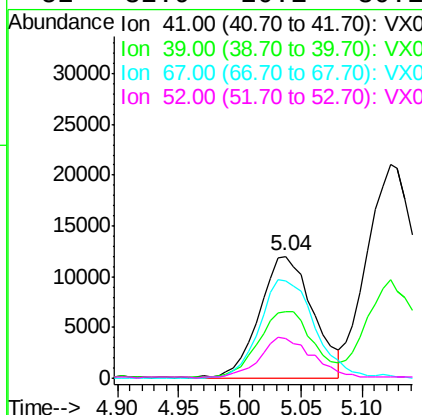
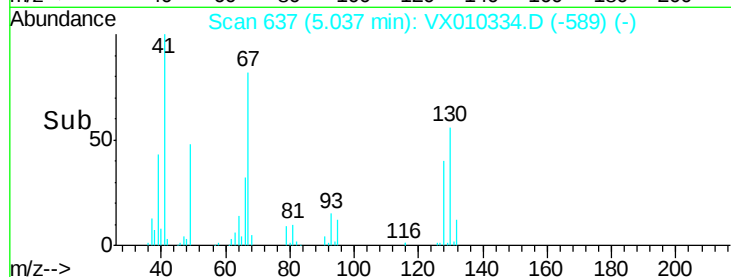
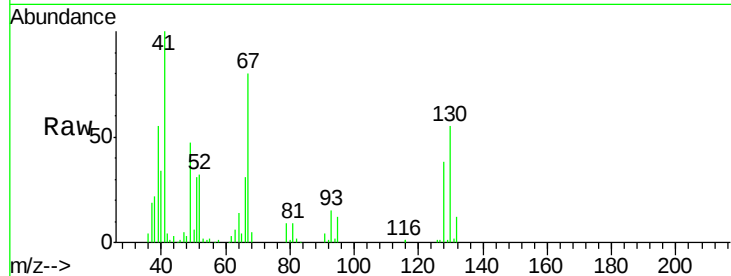
#41
Methacrylonitrile
Concen: 18.639 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion:	41	Resp:	36207
Ion Ratio	Lower	Upper	
41	100		
39	55.6	42.2	63.4
67	85.2	48.9	73.3#
52	32.9	20.1	30.1#

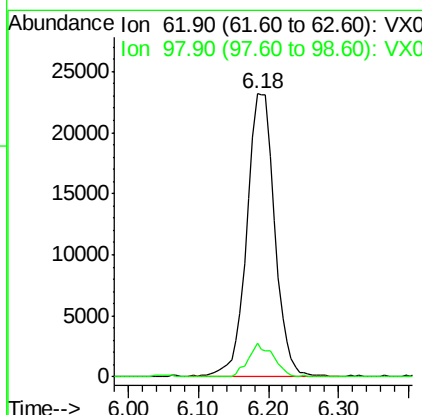
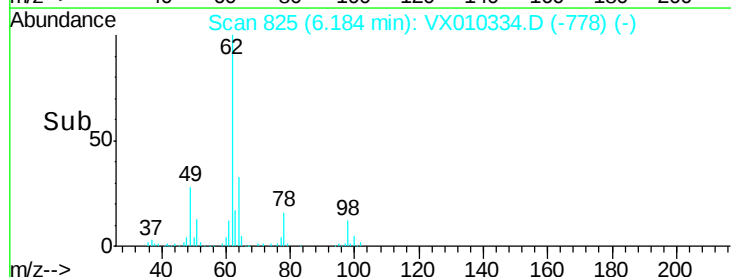
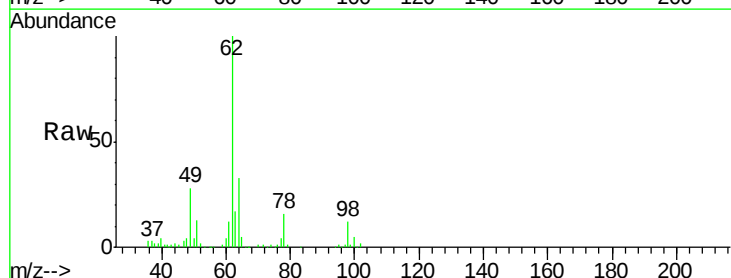
Manual Integrations
APPROVED

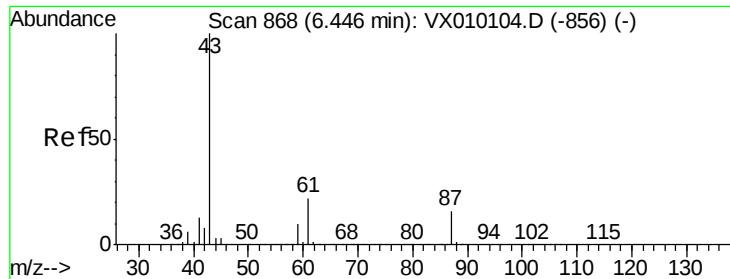
MMDadoda
6/20/2019 8:58:22 AM



#42
1,2-Dichloroethane
Concen: 18.956 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion:	62	Resp:	64588
Ion Ratio	Lower	Upper	
62	100		
98	10.7	0.0	17.2





#43

Isopropyl Acetate

Concen: 18.461 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

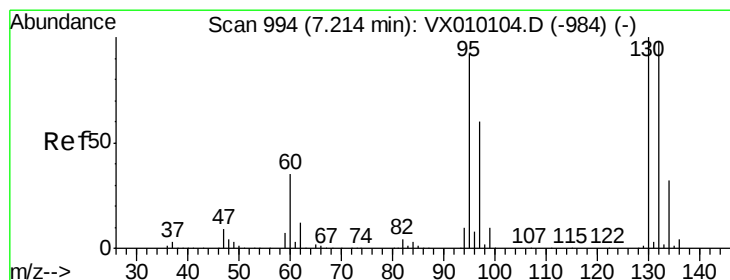
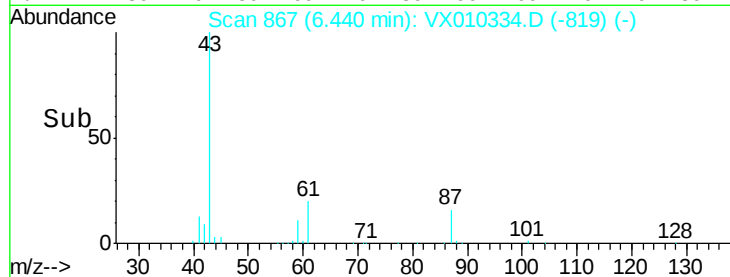
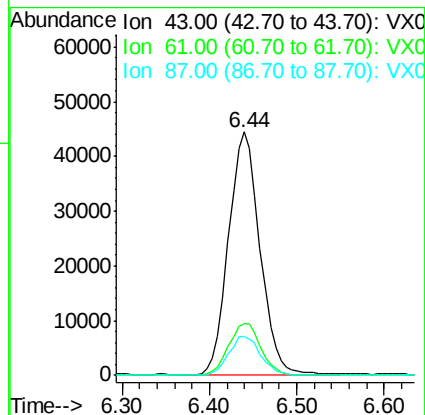
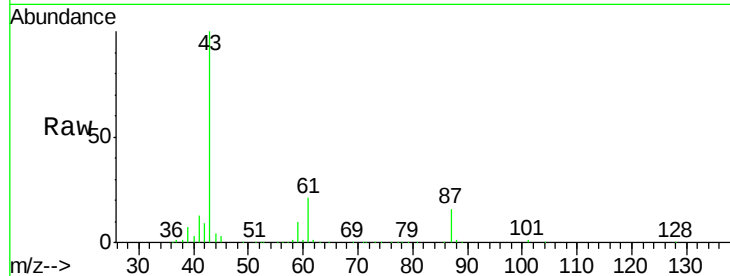
ClientSampleId :

VX0618WBS01

Tot Ion:	43	Resp:	110847
Ion Ratio		Lower	Upper
43	100		
61	22.2	14.6	21.8#
87	16.4	8.7	13.1#

Manual Integrations
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#44

Trichloroethene

Concen: 18.854 ug/l

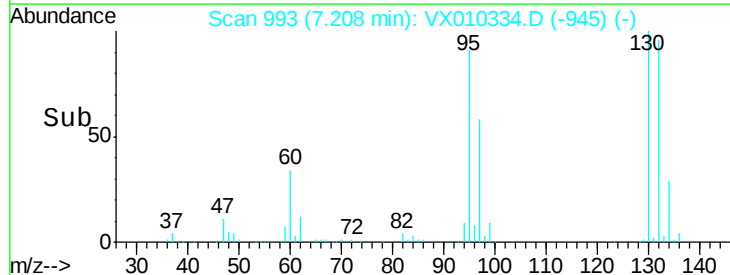
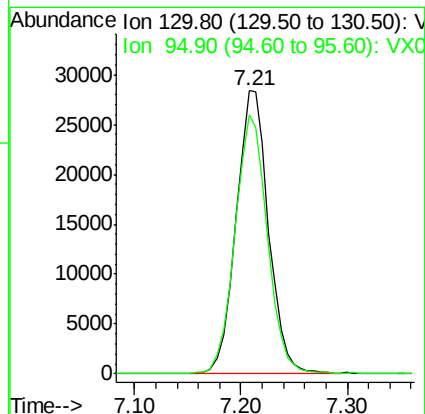
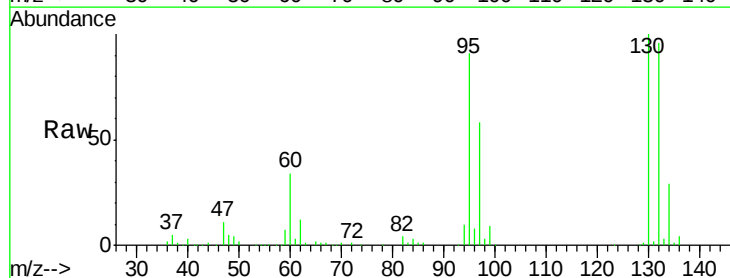
RT: 7.21 min Scan# 993

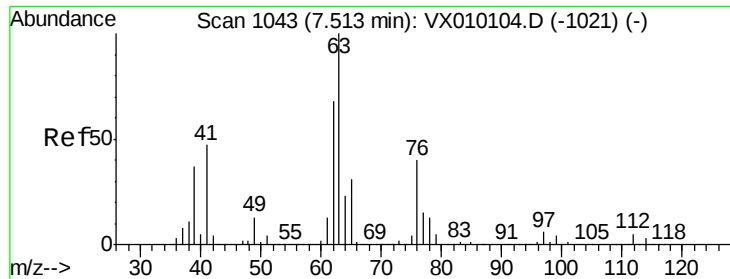
Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Tgt Ion:	130	Resp:	60652
Ion Ratio		Lower	Upper
130	100		
95	91.3	0.0	207.4





#45

1,2-Dichloropropane

Concen: 19.404 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampled :

VX0618WBS01

Tot Ion: 63 Resp: 51833

Ion Ratio Lower Upper

63 100

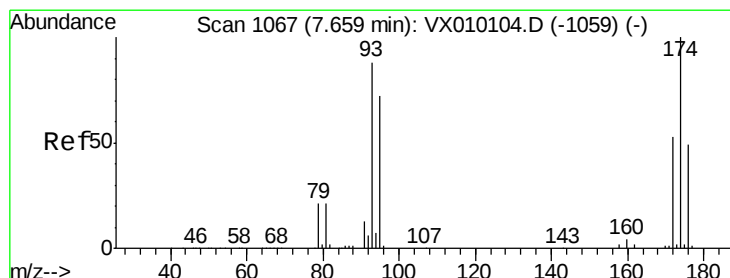
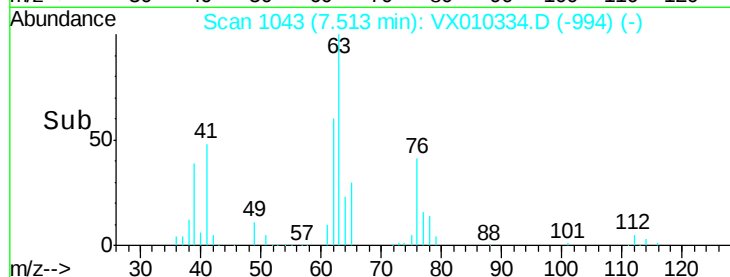
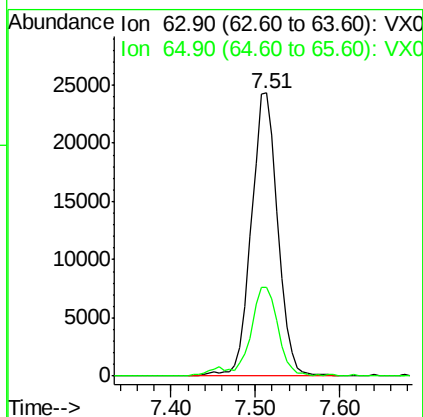
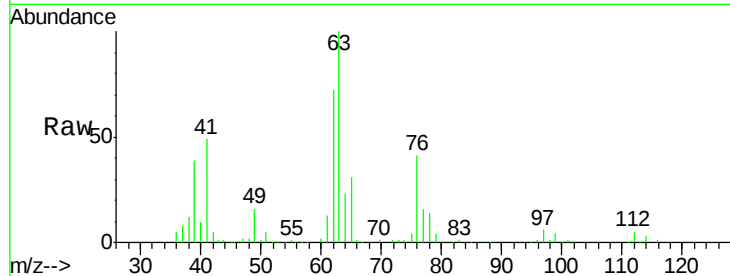
65 31.2 25.7 38.5

Manual Integrations

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#46

Dibromomethane

Concen: 18.576 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

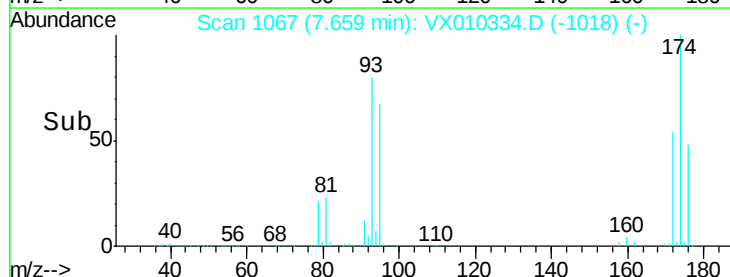
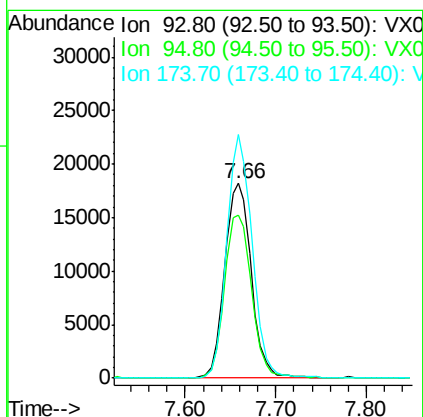
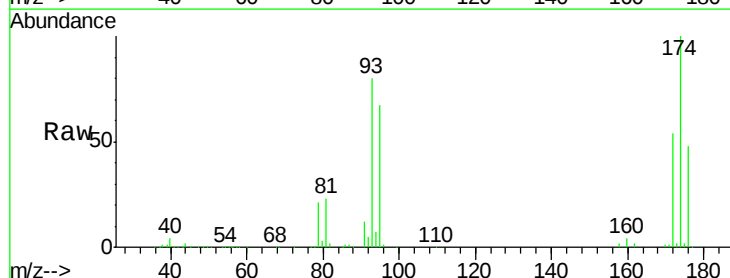
Tgt Ion: 93 Resp: 37174

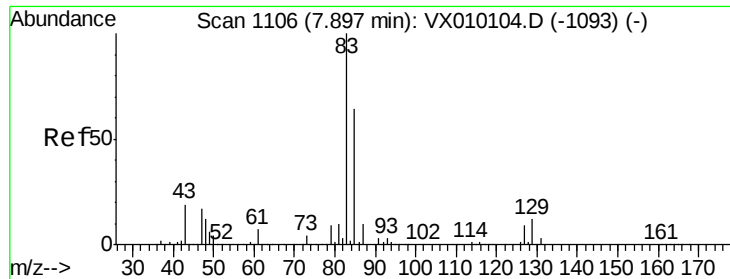
Ion Ratio Lower Upper

93 100

95 85.4 66.8 100.2

174 118.1 81.9 122.9





#47

Bromodichloromethane

Concen: 18.312 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

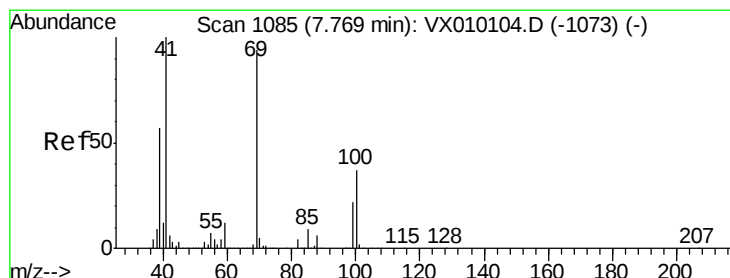
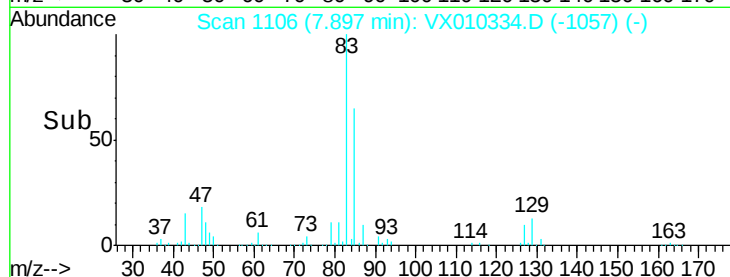
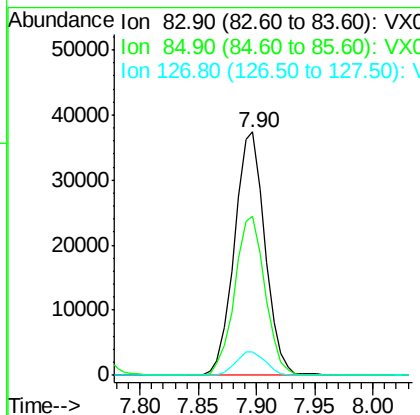
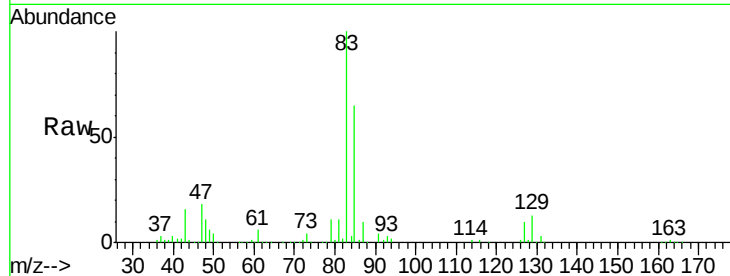
ClientSampleId :

VX0618WBS01

Tot Ion:	83	Resp:	68479
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.2
127	9.5	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.842 ug/l

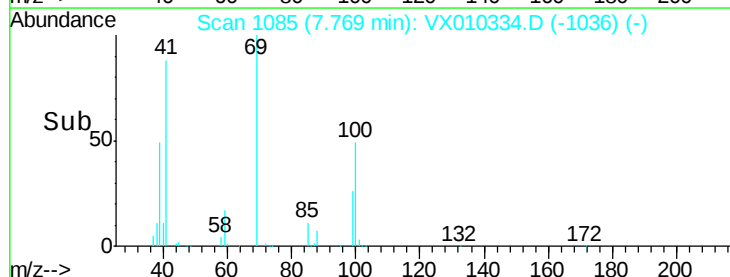
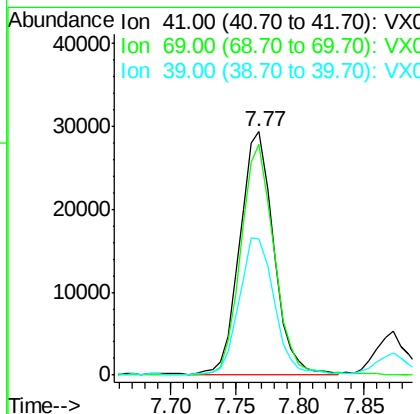
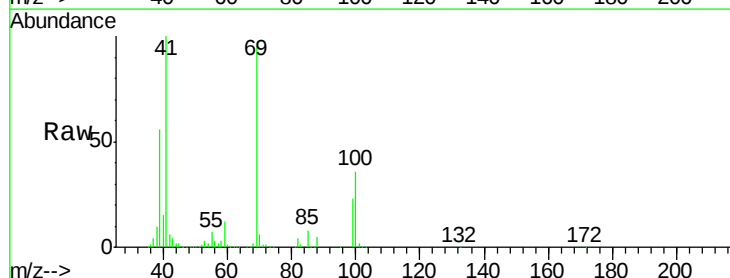
RT: 7.77 min Scan# 1085

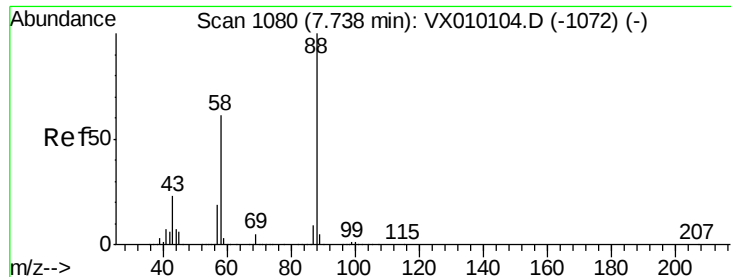
Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Tgt Ion:	41	Resp:	52909
Ion	Ratio	Lower	Upper
41	100		
69	94.7	56.4	84.6#
39	58.2	40.6	60.8





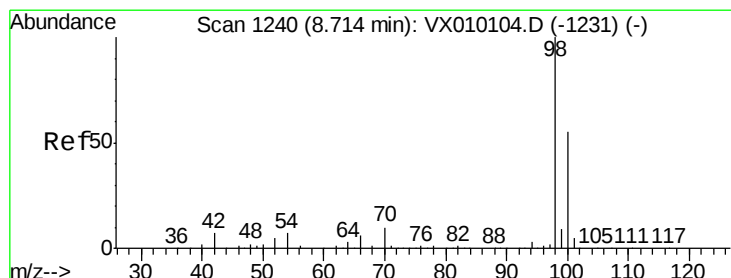
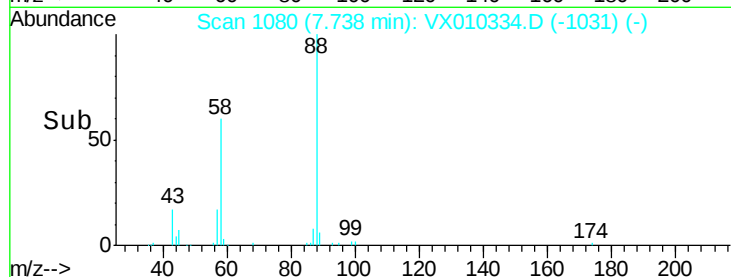
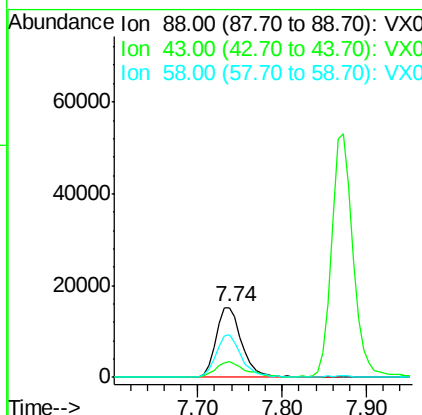
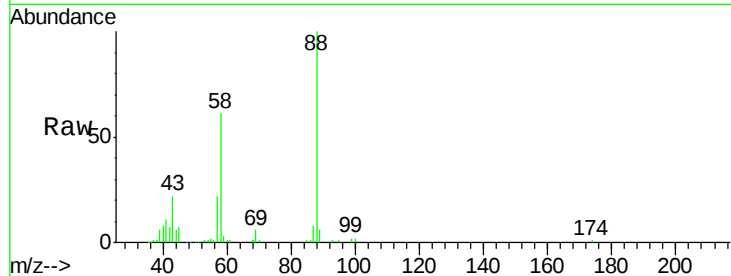
#49
1,4-Dioxane
Concen: 402.221 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.9	30.2	45.4#
58	61.0	64.0	96.0#

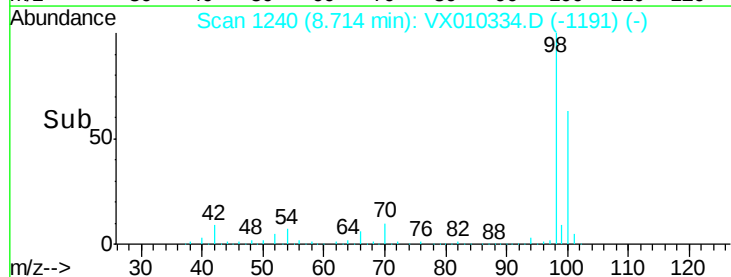
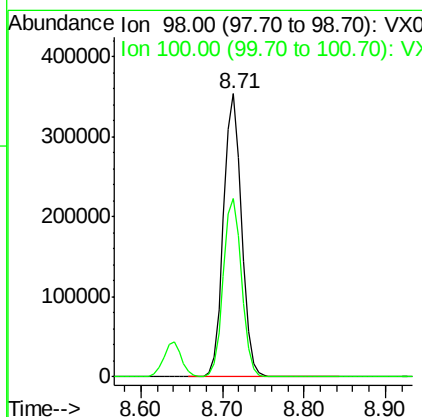
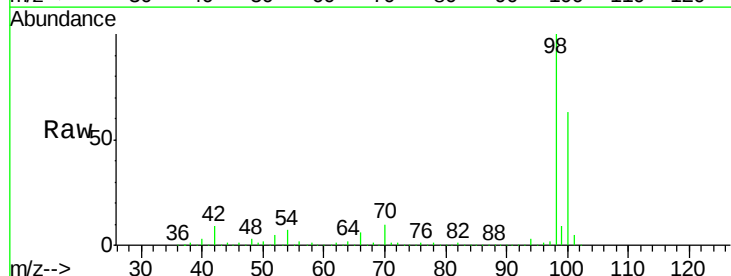
Manual Integrations
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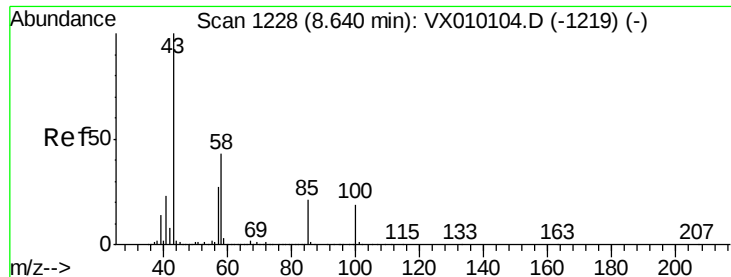
MMDadoda
6/20/2019 8:58:22 AM



#50
Toluene-d8
Concen: 55.251 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 101.103 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 43 Resp: 362652

Ion Ratio Lower Upper

43 100

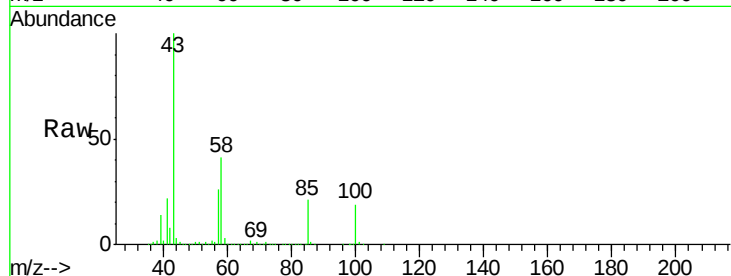
58 41.5 28.8 43.2

Manual Integrations

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MMDadoda

6/20/2019 8:58:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

250000

200000

150000

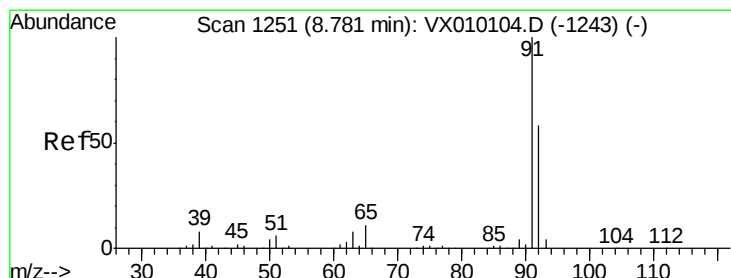
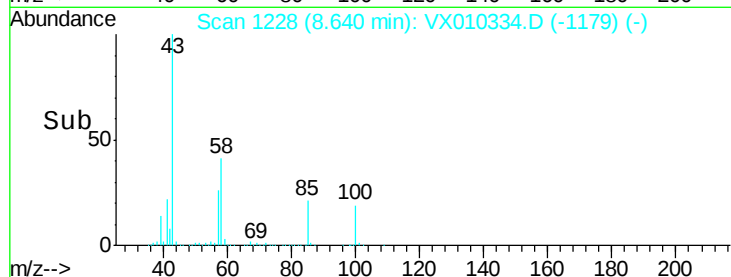
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 18.988 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010334.D

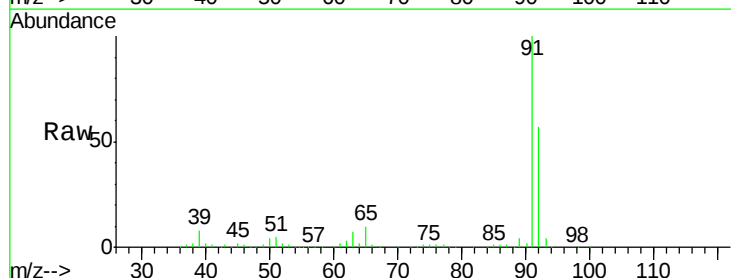
Acq: 18 Jun 2019 11:42

Tgt Ion: 92 Resp: 133208

Ion Ratio Lower Upper

92 100

91 176.4 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

150000

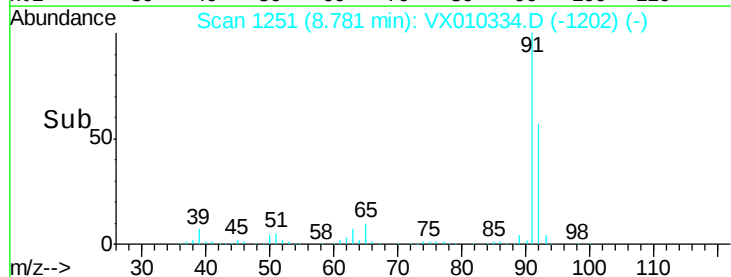
100000

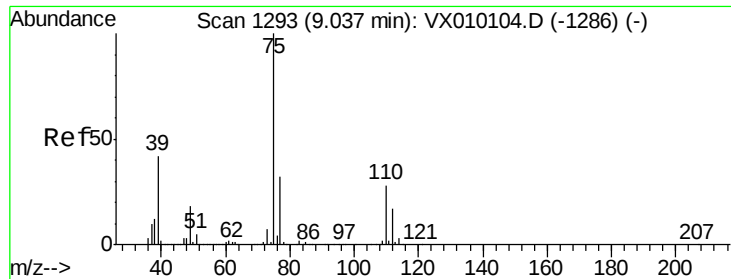
50000

0

8.70 8.75 8.80 8.85

Time-->





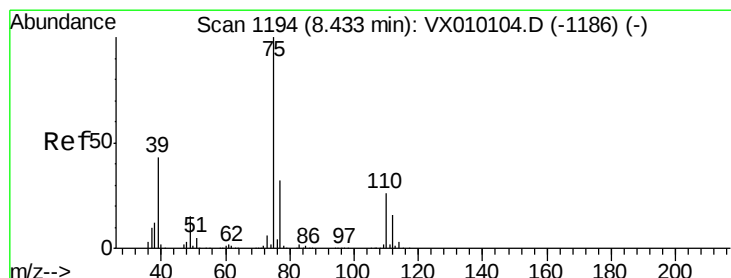
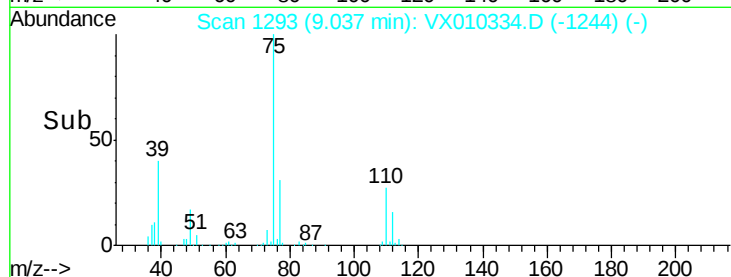
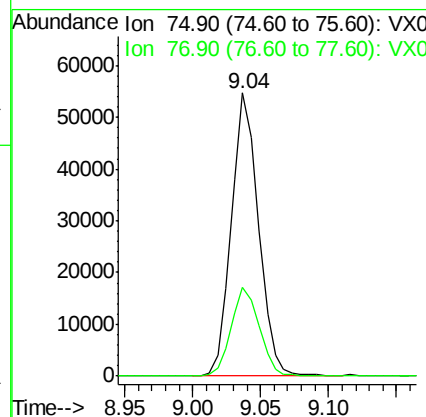
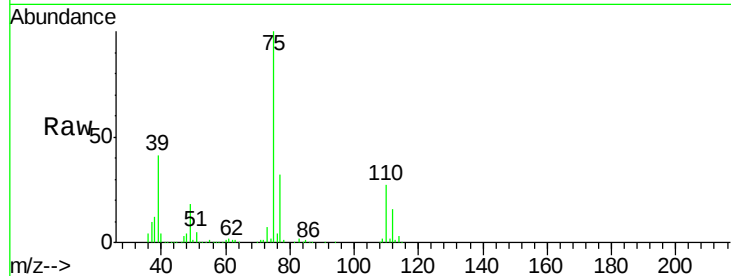
#53
 t-1,3-Dichloropropene
 Concen: 17.587 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX010334.D
 Acq: 18 Jun 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8

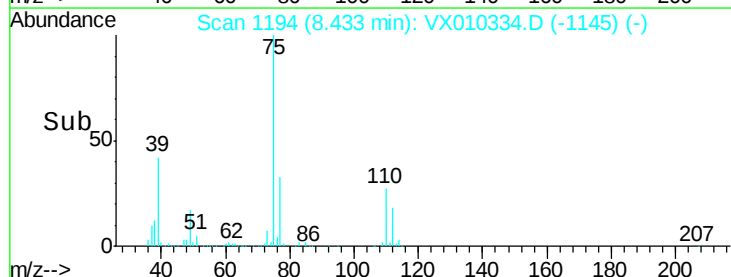
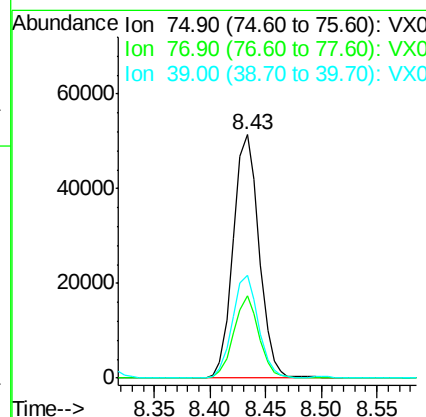
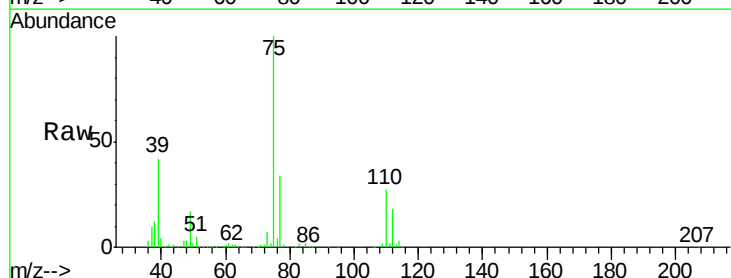
Manual Integrations
 APPROVED

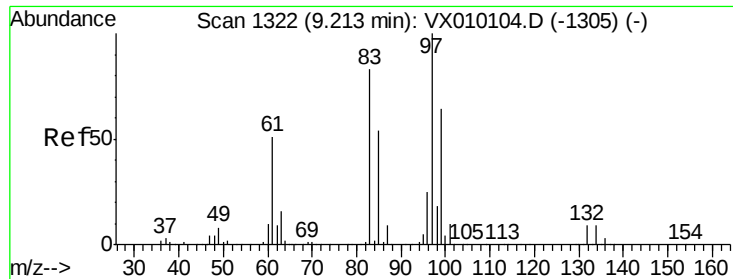
MMDadoda
 6/20/2019 8:58:22 AM



#54
 cis-1,3-Dichloropropene
 Concen: 17.945 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010334.D
 Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.8	37.2
39	42.0	43.4	65.0#





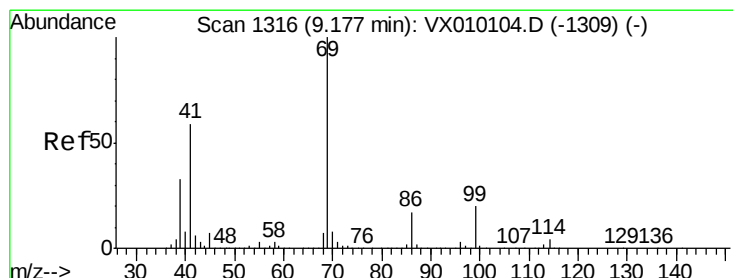
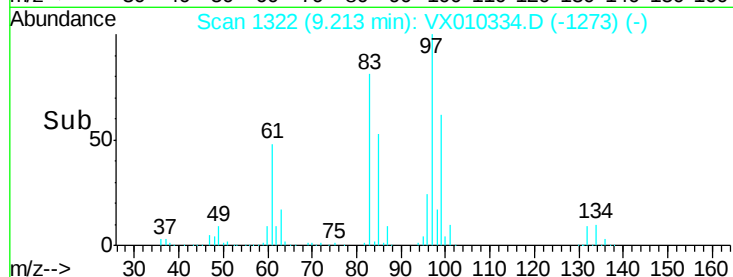
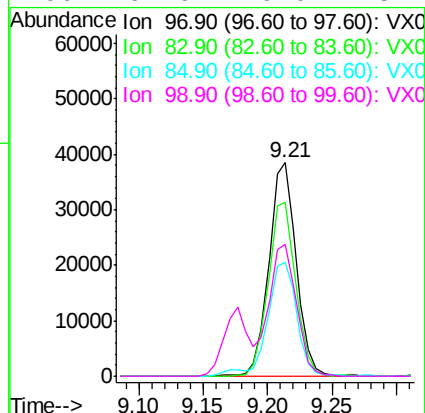
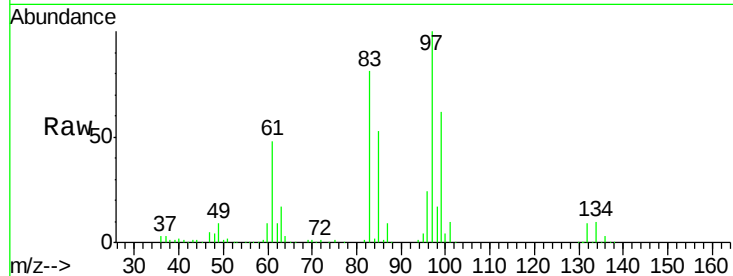
#55
1,1,2-Trichloroethane
Concen: 19.819 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		56943		
83	81.2	69.8	104.8		
85	53.3	45.3	67.9		
99	61.6	49.0	73.4		

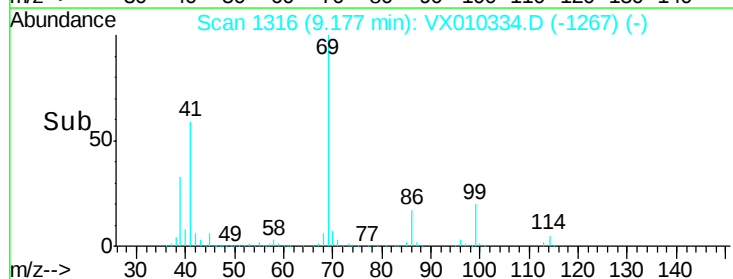
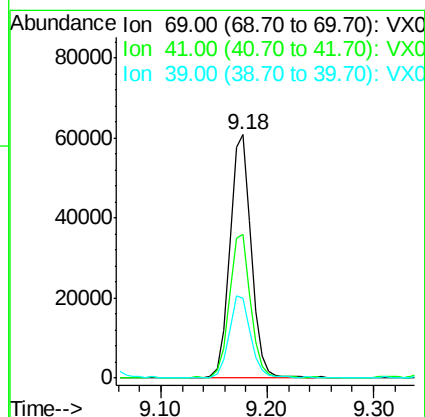
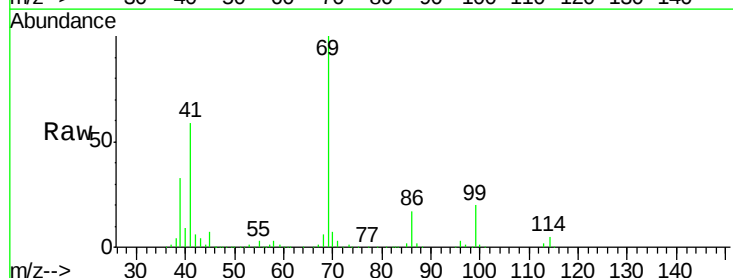
Manual Integrations
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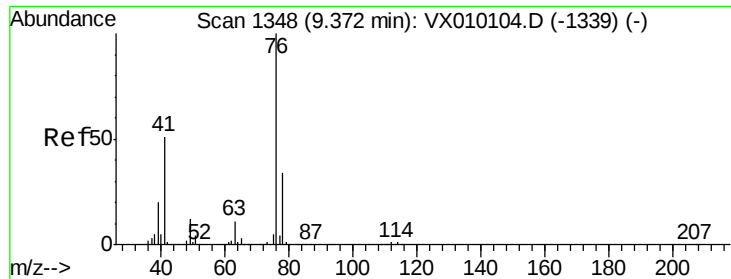
MMDadoda
6/20/2019 8:58:22 AM



#56
Ethyl methacrylate
Concen: 18.882 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		85698		
41	58.7	62.7	94.1#		
39	33.4	29.5	44.3		





#57

1,3-Dichloropropane

Concen: 19.342 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 76 Resp: 87489

Ion Ratio Lower Upper

76 100

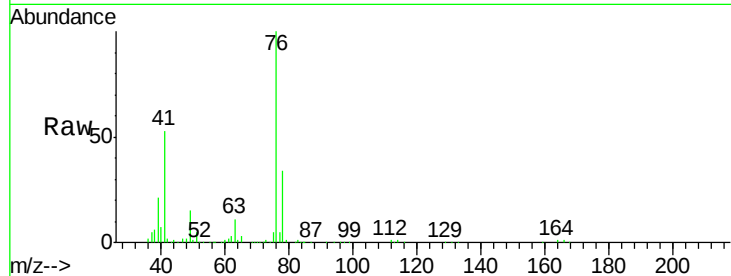
78 32.8 25.4 38.0

Manual Integrations

APPROVED

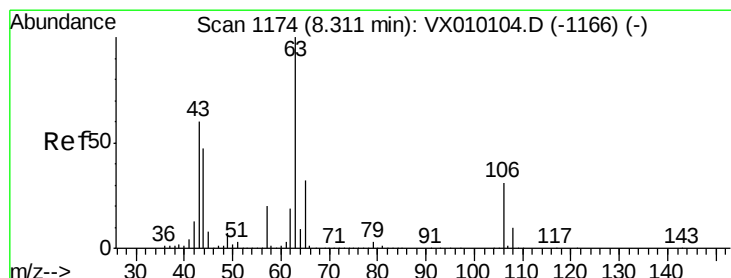
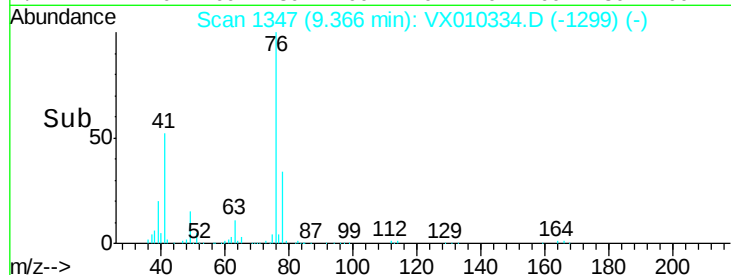
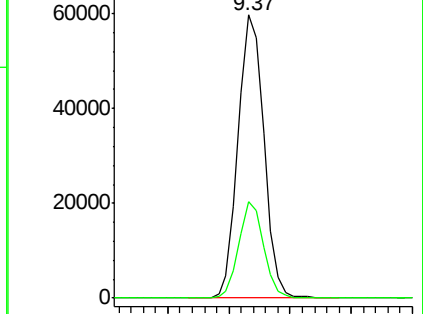
MMDadoda

6/20/2019 8:58:22 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 93.400 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX010334.D

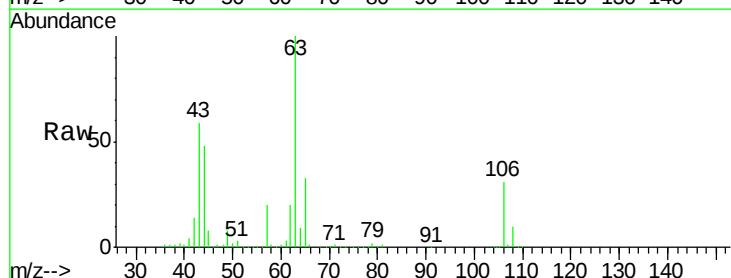
Acq: 18 Jun 2019 11:42

Tgt Ion: 63 Resp: 199838

Ion Ratio Lower Upper

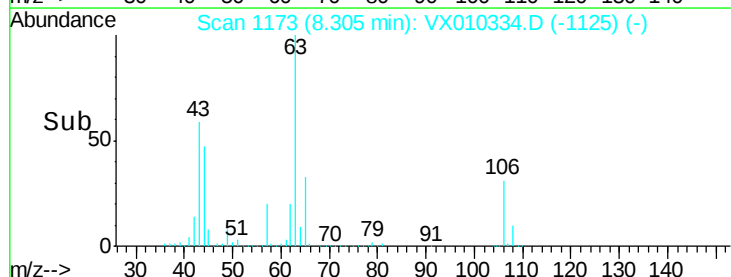
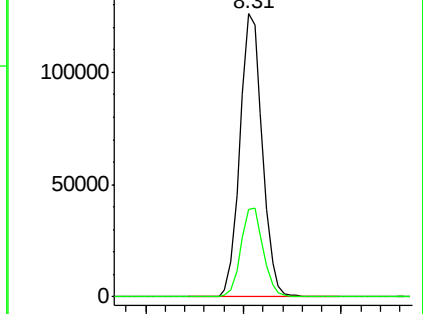
63 100

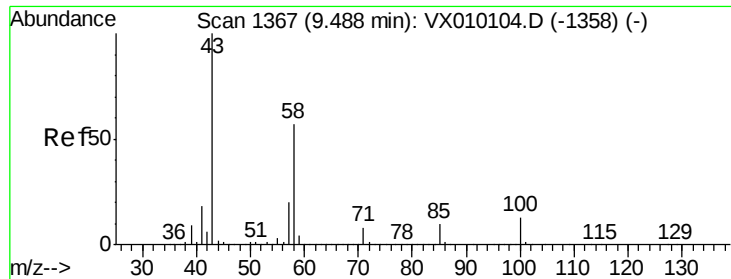
106 31.2 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





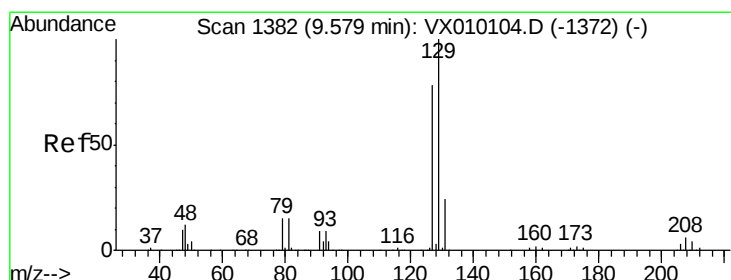
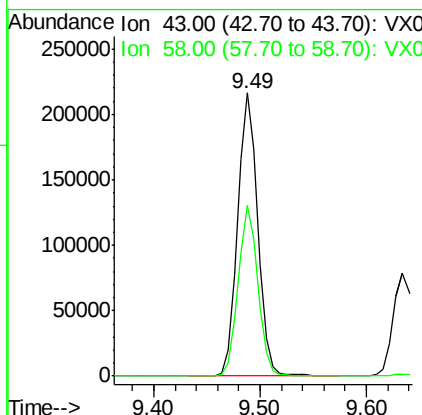
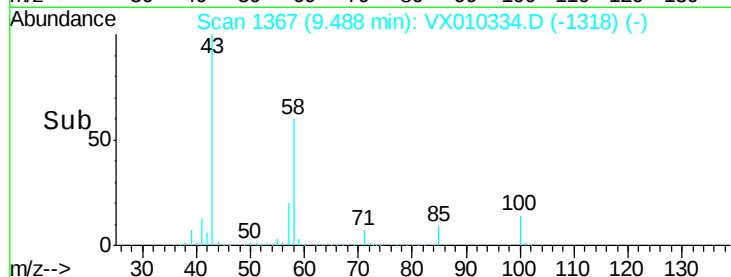
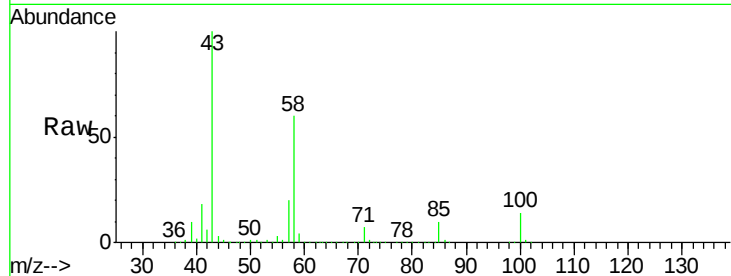
#59
2-Hexanone
Concen: 100.373 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion: 43 Resp: 287059
Ion Ratio Lower Upper
43 100
58 59.4 25.1 75.3

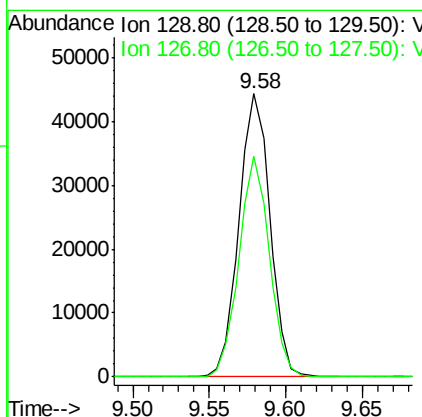
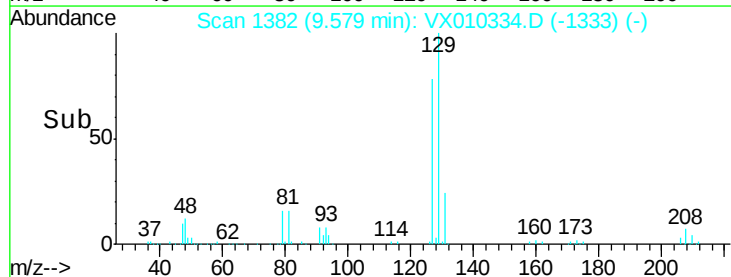
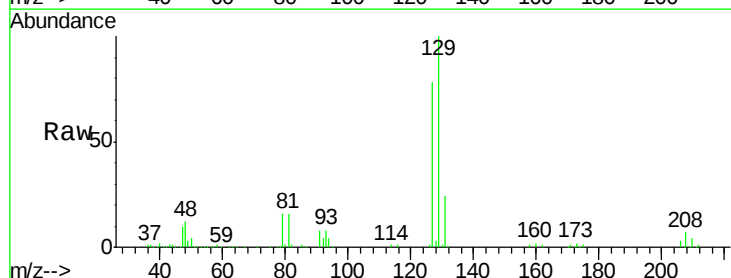
Manual Integrations
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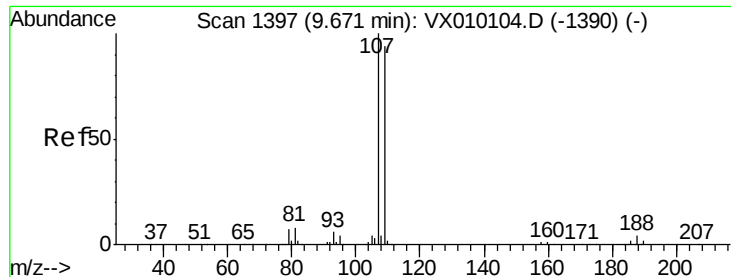
MMDadoda
6/20/2019 8:58:22 AM



#60
Dibromochloromethane
Concen: 18.375 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion: 129 Resp: 62447
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.750 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 107 Resp: 59998

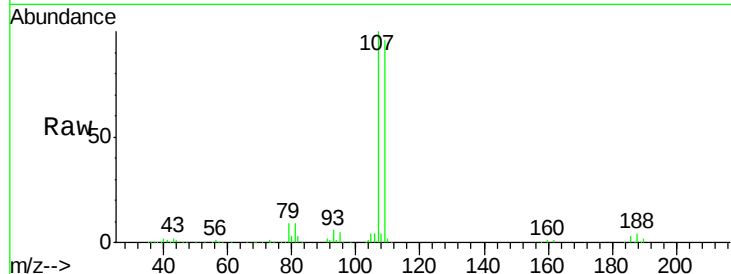
Ion Ratio Lower Upper

107 100

109 95.2 75.4 113.2

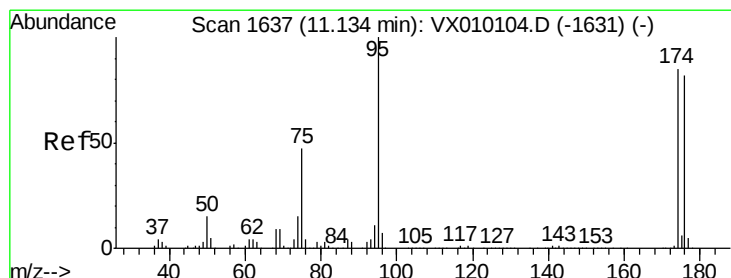
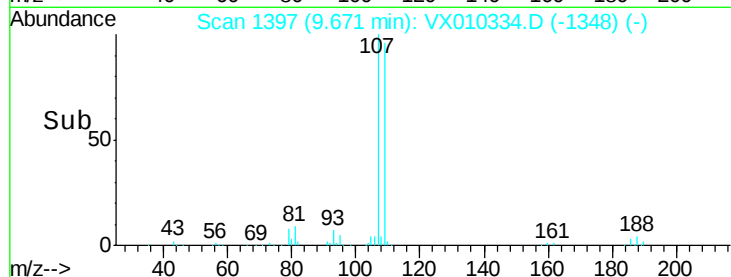
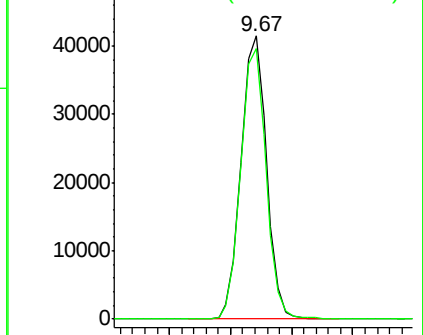
Manual Integrations
APPROVED

MMDadoda
6/20/2019 8:58:22 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.386 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

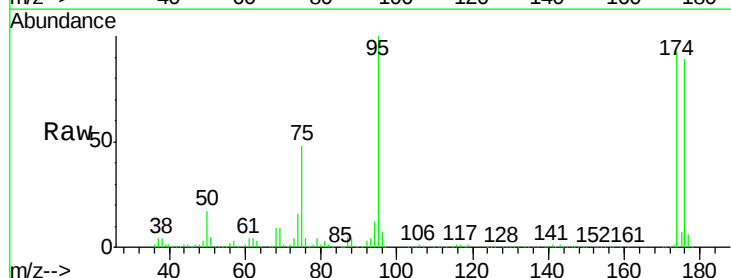
Tgt Ion: 95 Resp: 194986

Ion Ratio Lower Upper

95 100

174 95.1 0.0 160.4

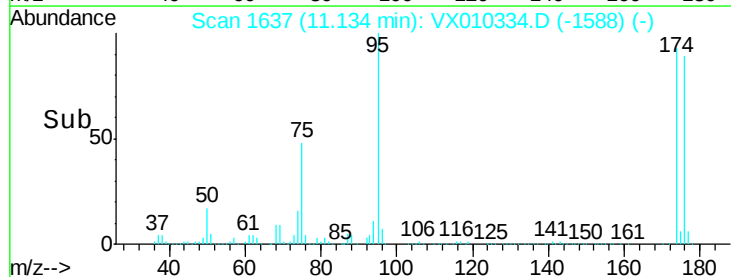
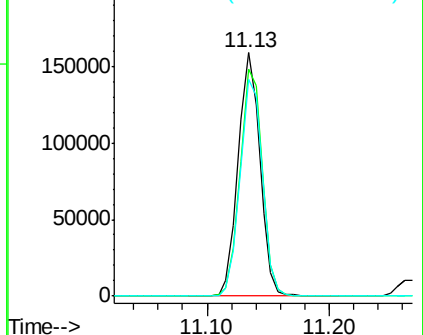
176 91.6 0.0 154.6

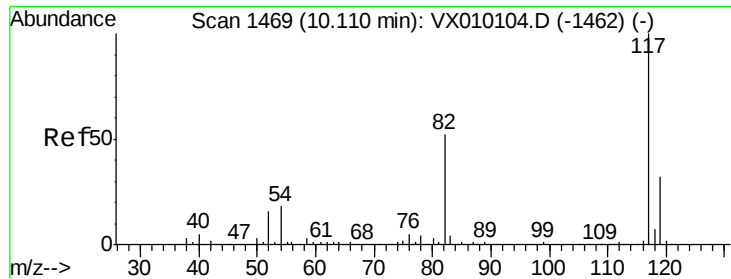


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





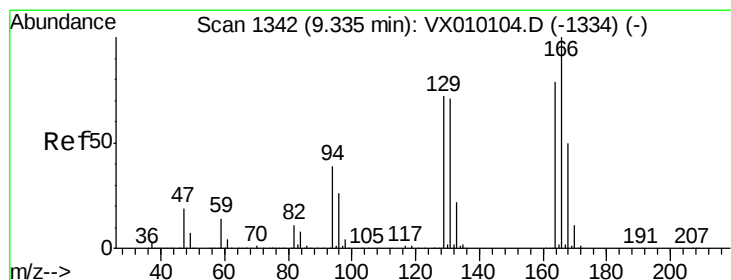
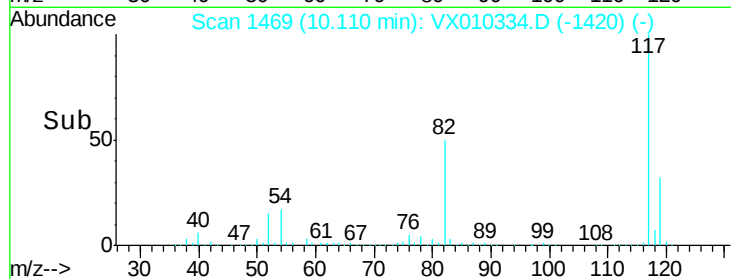
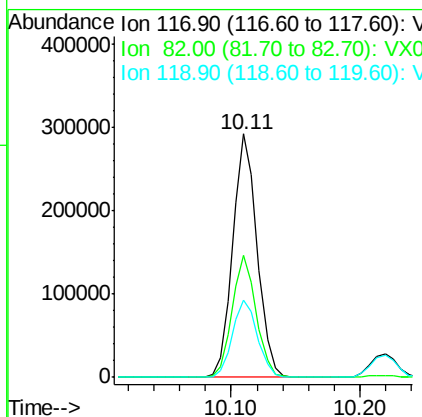
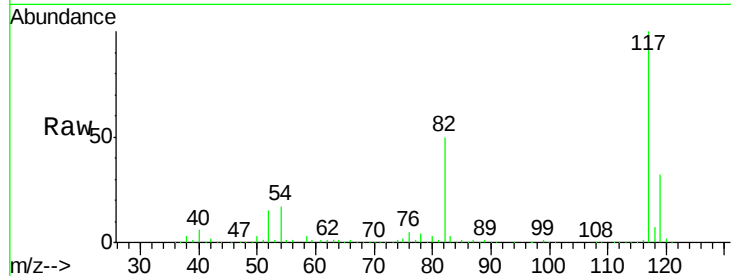
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	49.2	73.8
119	31.9	25.2	37.8

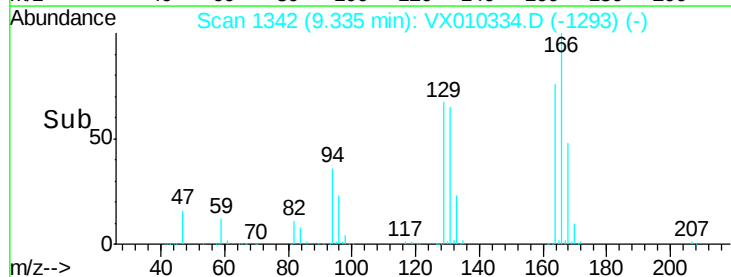
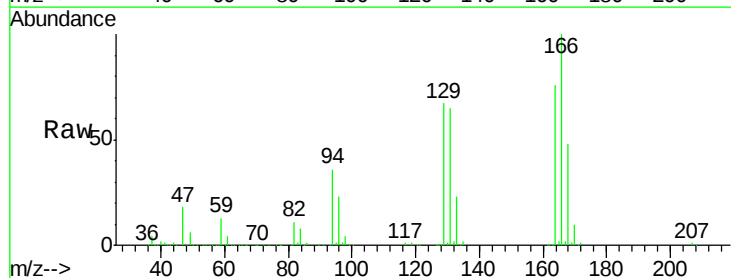
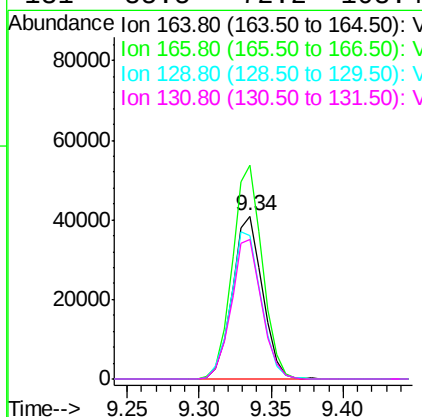
Manual Integrations
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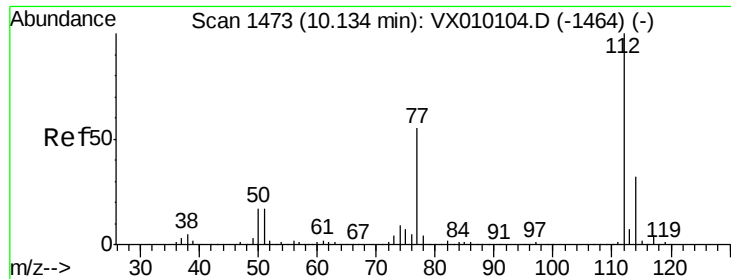
MMDadoda
6/20/2019 8:58:22 AM



#64
Tetrachloroethene
Concen: 20.830 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	105.0	157.4
129	88.1	75.1	112.7
131	85.5	72.2	108.4





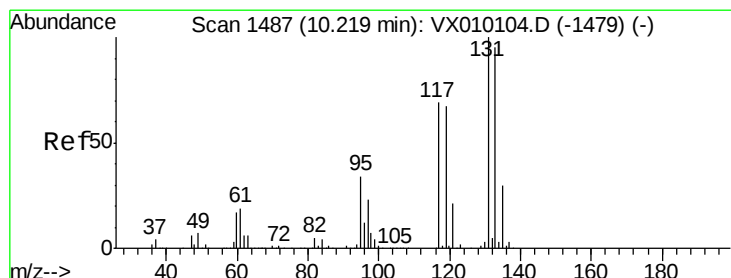
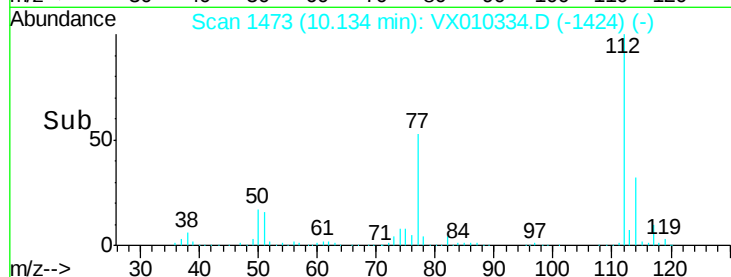
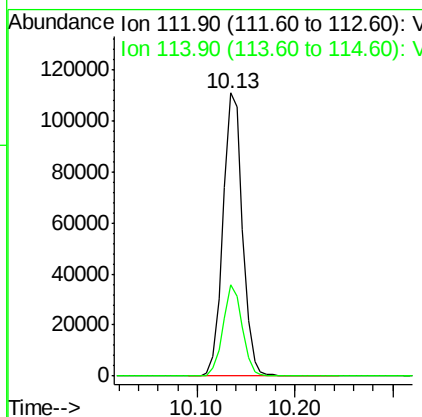
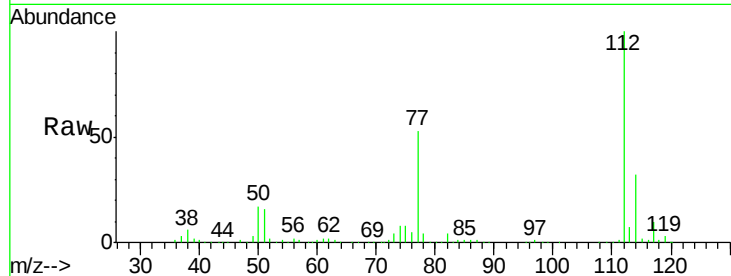
#65
Chlorobenzene
Concen: 19.204 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion:112 Resp: 153136
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

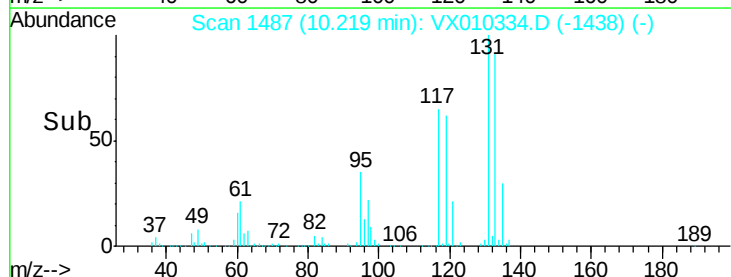
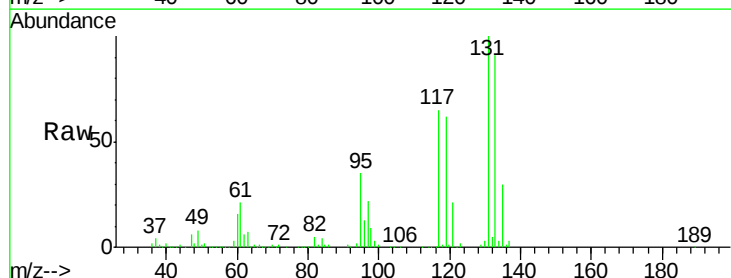
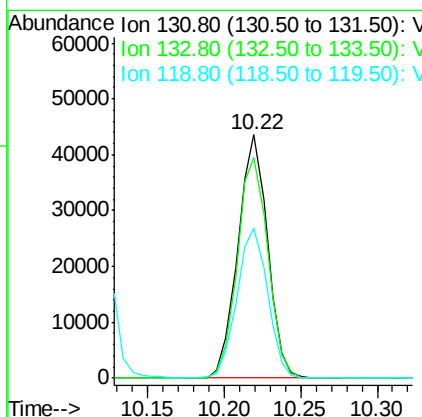
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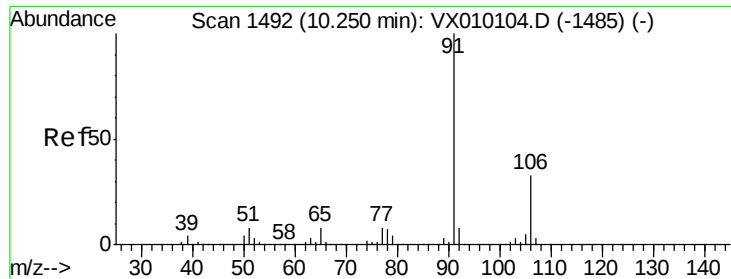
MMDadoda
6/20/2019 8:58:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.091 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion:131 Resp: 58544
Ion Ratio Lower Upper
131 100
133 93.3 47.5 142.6
119 64.0 33.4 100.1





#67

Ethyl Benzene

Concen: 18.868 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 91 Resp: 256128

Ion Ratio Lower Upper

91 100

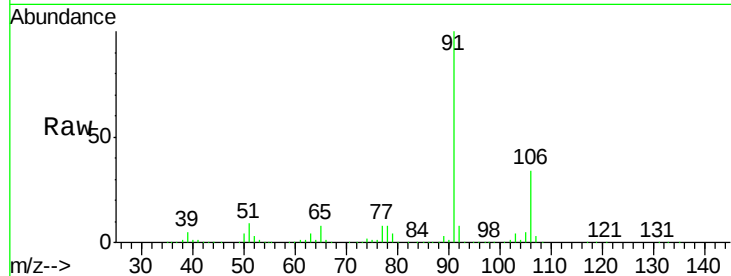
106 33.6 23.9 35.9

Manual Integrations

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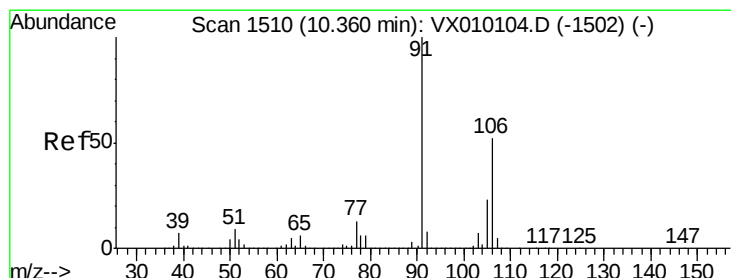
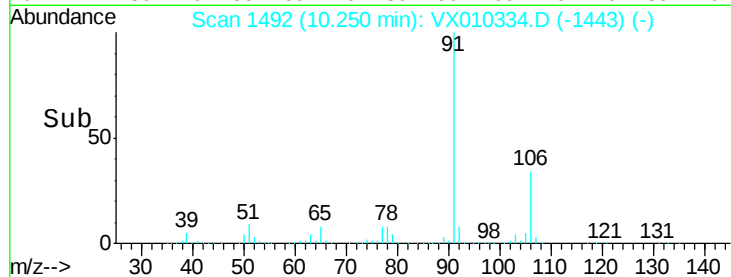
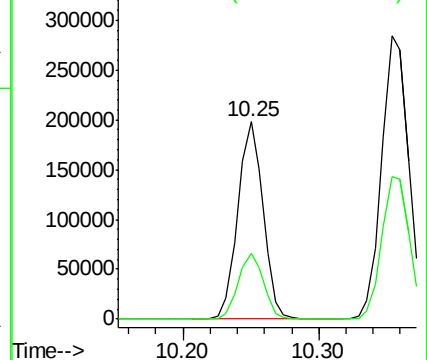
MMDadoda

6/20/2019 8:58:22 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.678 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX010334.D

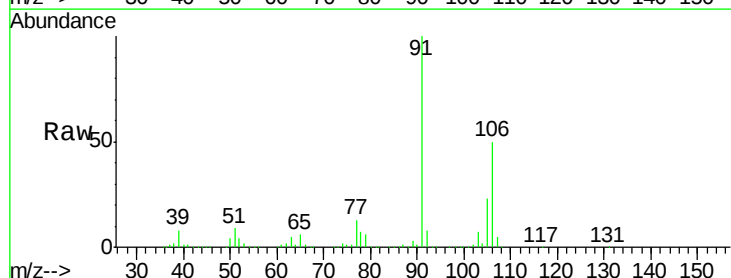
Acq: 18 Jun 2019 11:42

Tgt Ion: 106 Resp: 203181

Ion Ratio Lower Upper

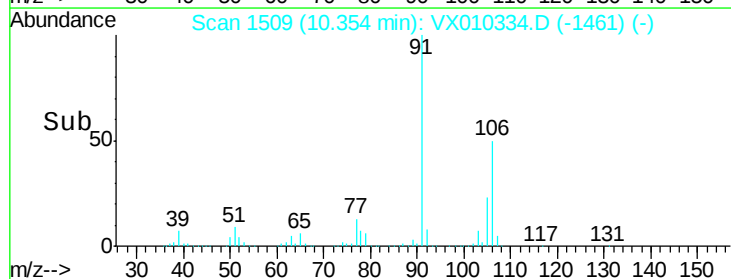
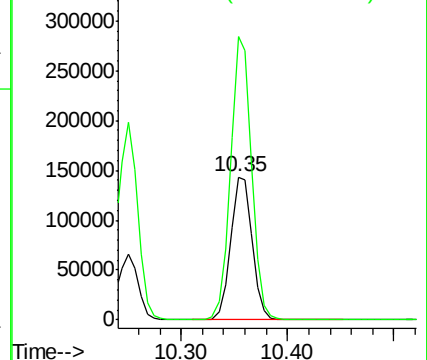
106 100

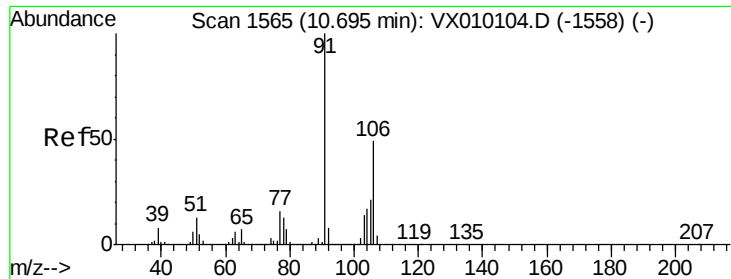
91 192.8 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





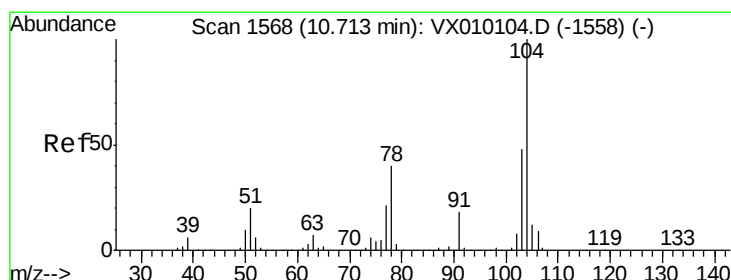
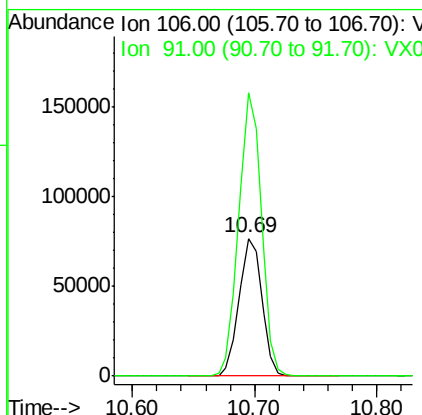
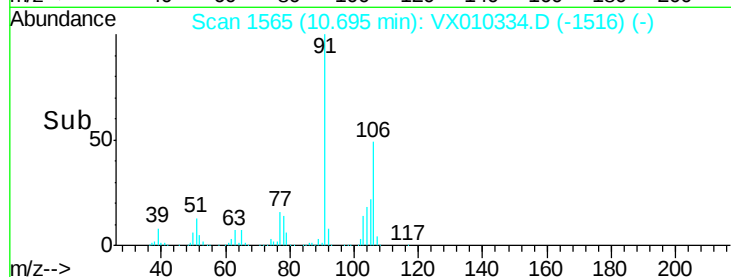
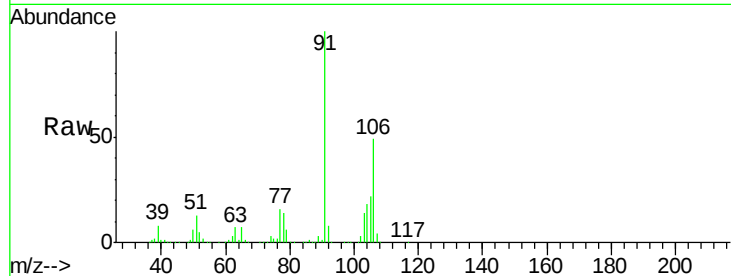
#69
o-Xylene
Concen: 19.035 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion:106 Resp: 99400
Ion Ratio Lower Upper
106 100
91 203.6 110.4 331.2

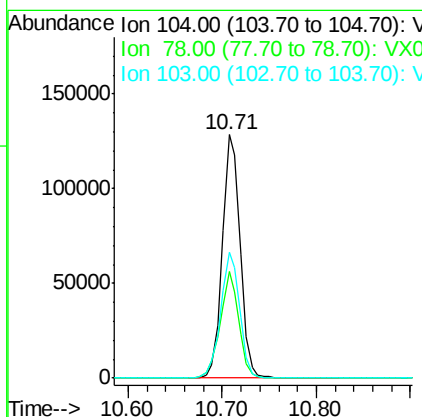
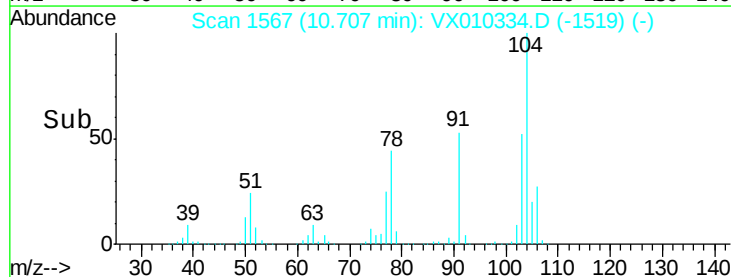
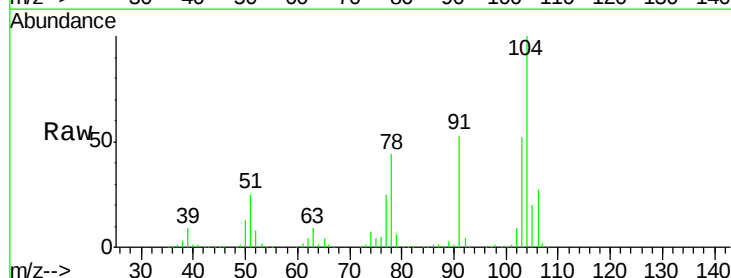
Manual Integrations
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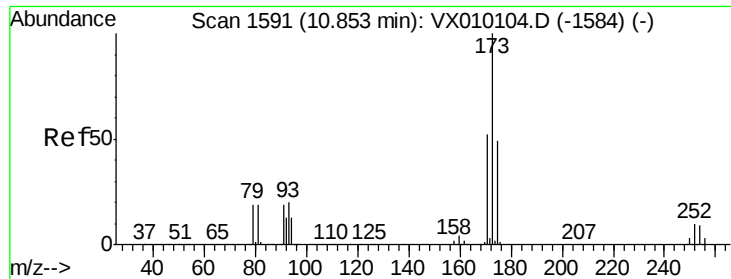
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6/20/2019 8:58:22 AM



#70
Styrene
Concen: 19.015 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion:104 Resp: 168172
Ion Ratio Lower Upper
104 100
78 45.7 42.1 63.1
103 55.3 44.1 66.1





#71

Bromoform

Concen: 17.430 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampled :

VX0618WBS01

Tot Ion:173 Resp: 49138

Ion Ratio Lower Upper

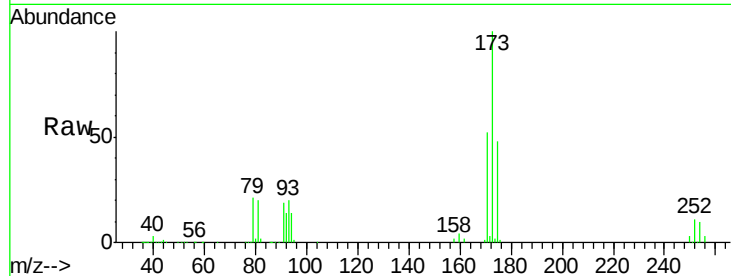
173 100

175 50.1 25.0 75.0

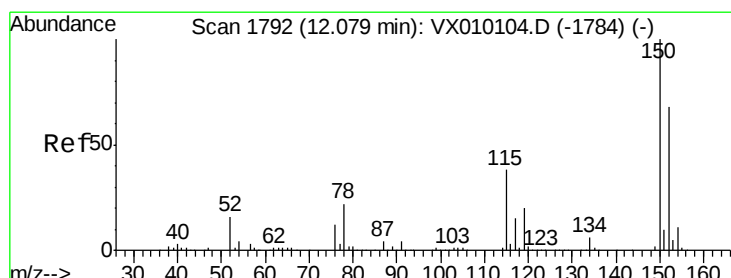
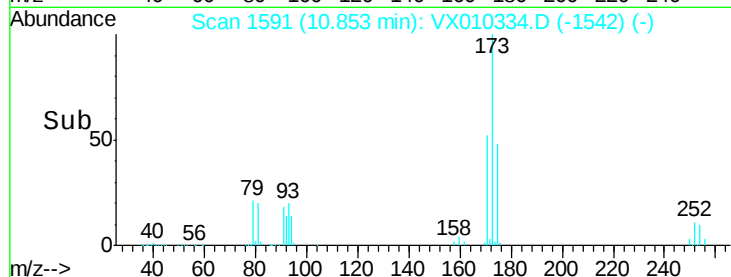
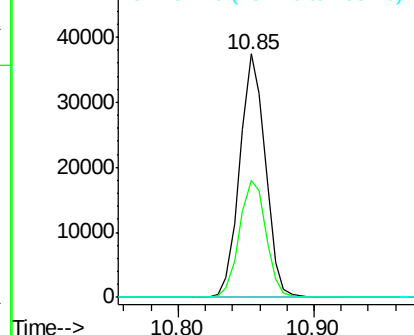
254 0.0 0.2 0.2#

Manual Integrations
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6/20/2019 8:58:22 AM



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: VX010334.D

Acq: 18 Jun 2019 11:42

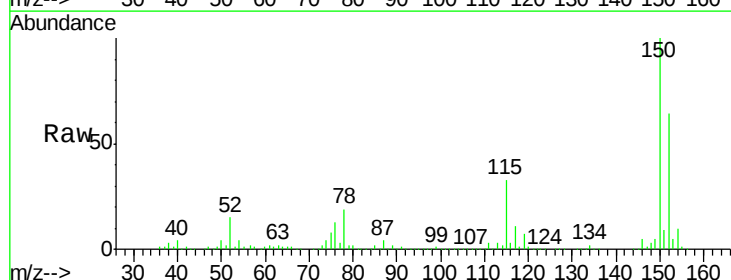
Tgt Ion:152 Resp: 201469

Ion Ratio Lower Upper

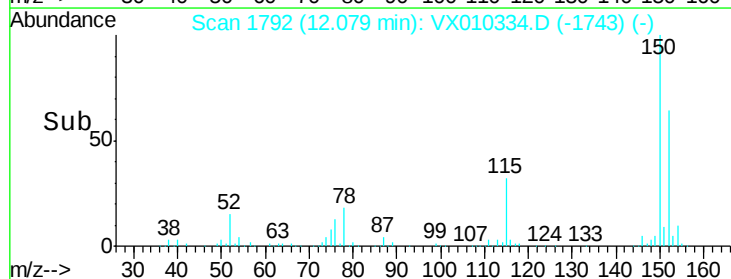
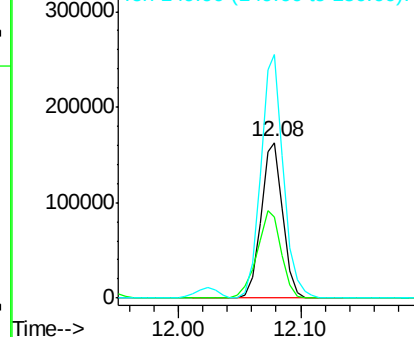
152 100

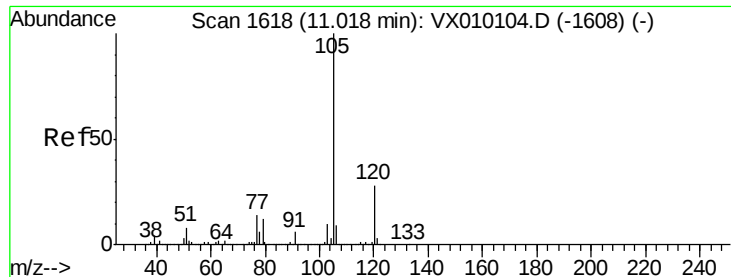
115 62.8 41.4 124.2

150 162.9 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: 18.914 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion:105 Resp: 266007

Ion Ratio Lower Upper

105 100

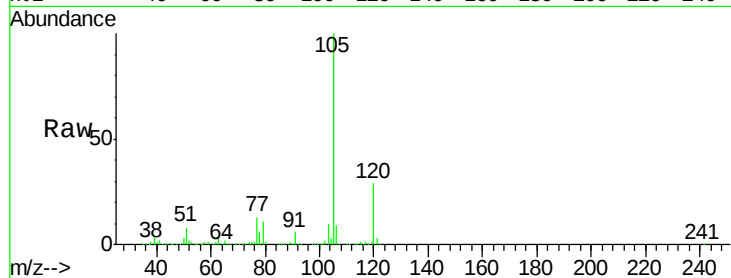
120 27.8 12.8 38.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

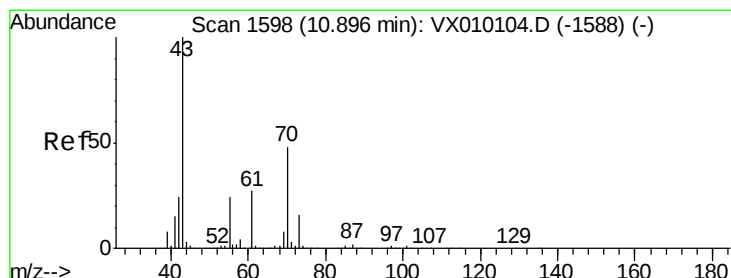
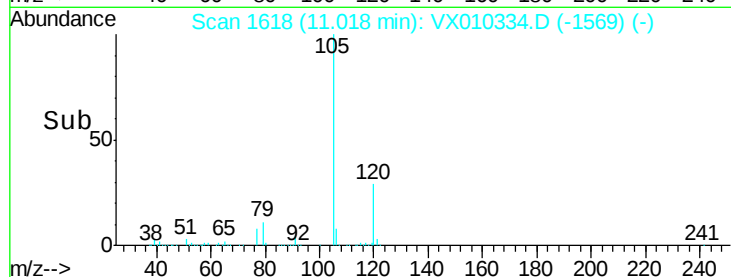
50000

0

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 18.273 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Tgt Ion: 43 Resp: 101589

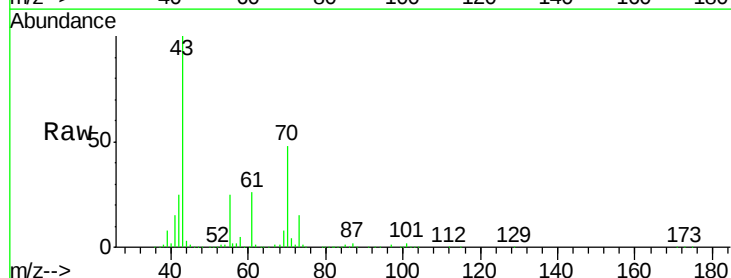
Ion Ratio Lower Upper

43 100

70 46.5 28.6 43.0#

55 24.3 17.8 26.8

61 25.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

60000

40000

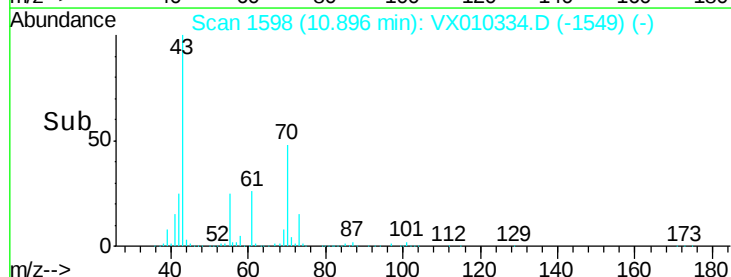
20000

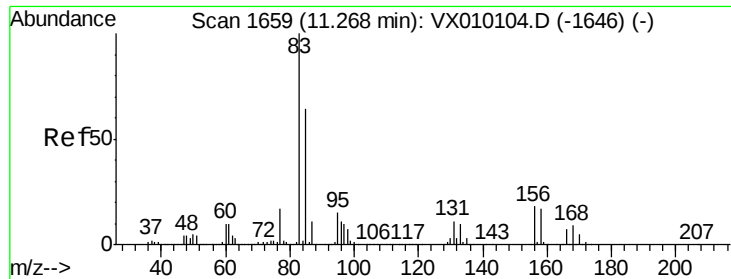
0

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.472 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 83 Resp: 88926

Ion Ratio Lower Upper

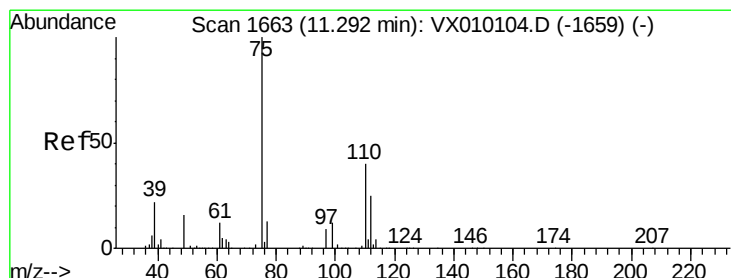
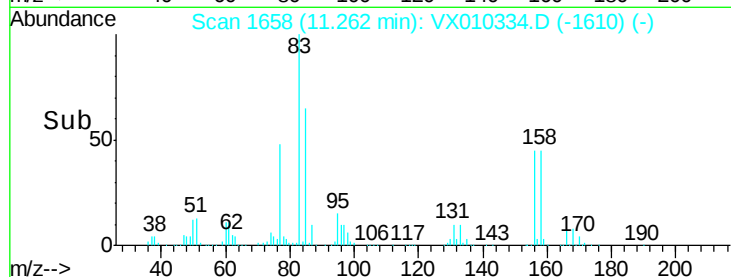
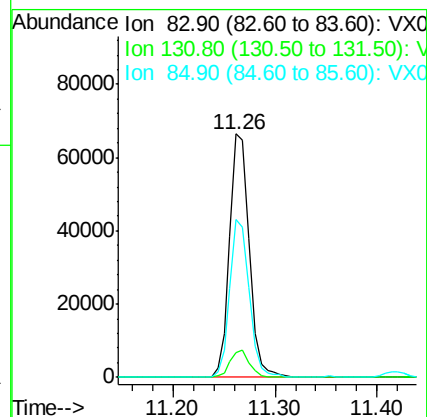
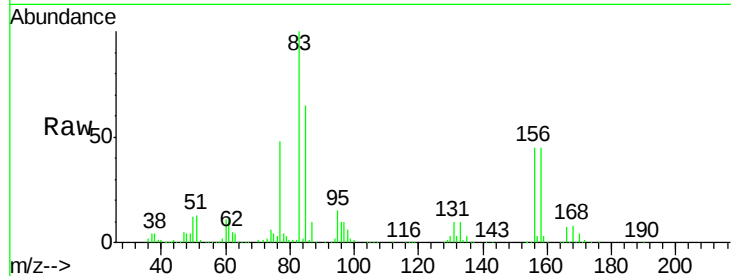
83 100

131 11.0 4.7 14.1

85 64.4 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.090 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010334.D

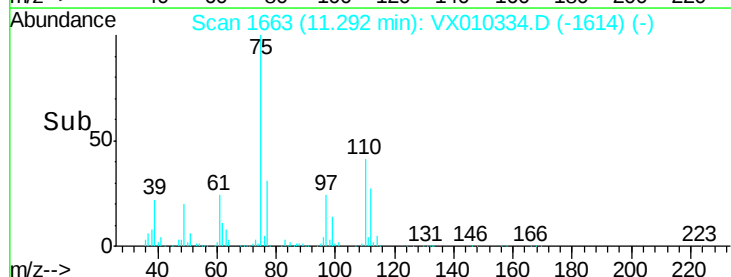
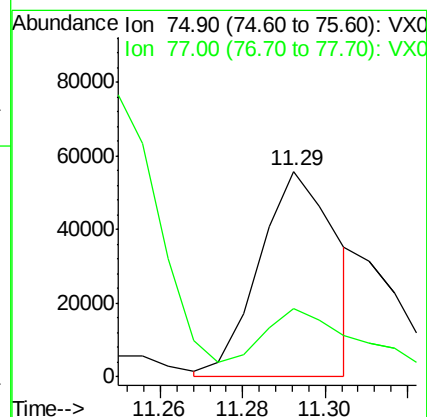
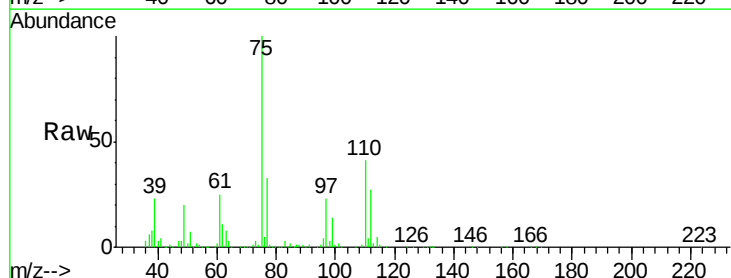
Acq: 18 Jun 2019 11:42

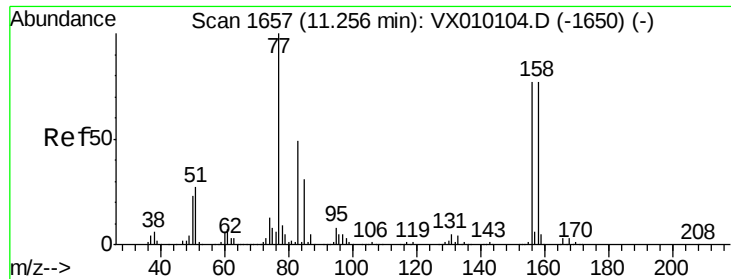
Tgt Ion: 75 Resp: 72899

Ion Ratio Lower Upper

75 100

77 43.1 22.1 66.1





#77

Bromobenzene

Concen: 18.956 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

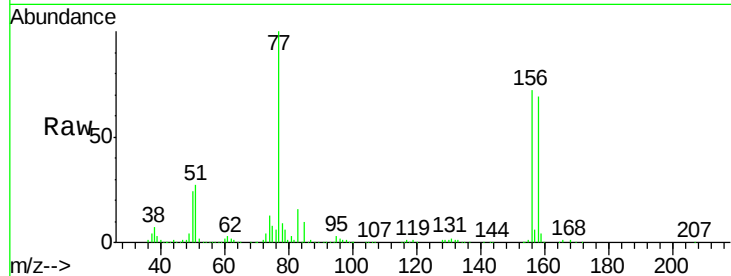
ClientSampleId :

VX0618WBS01

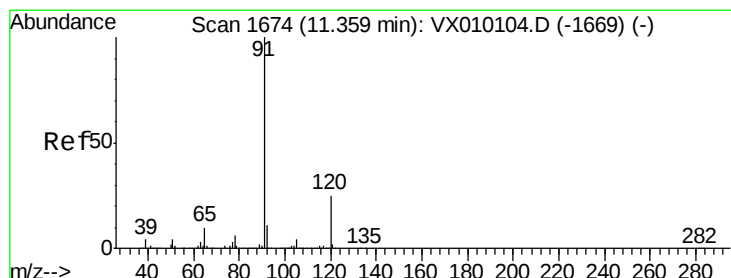
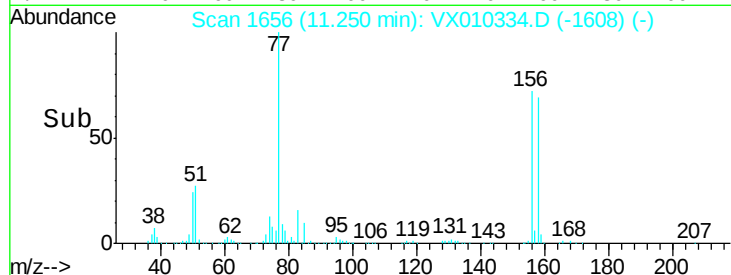
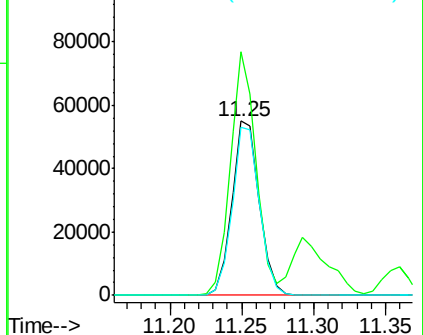
Tot Ion:	156	Resp:	73311
Ion Ratio	Lower	Upper	
156	100		
77	131.2	86.8	260.3
158	96.4	49.6	148.8

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



#78

n-propylbenzene

Concen: 18.614 ug/l

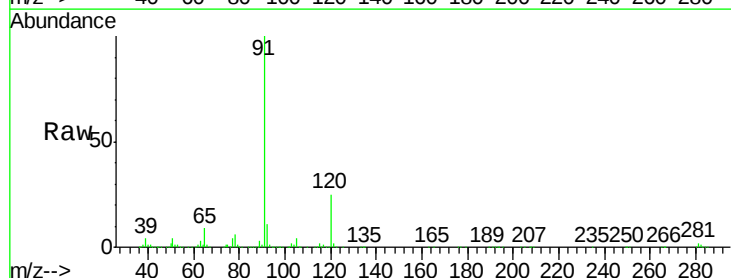
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

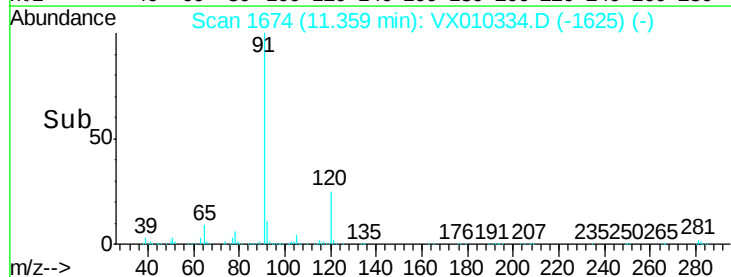
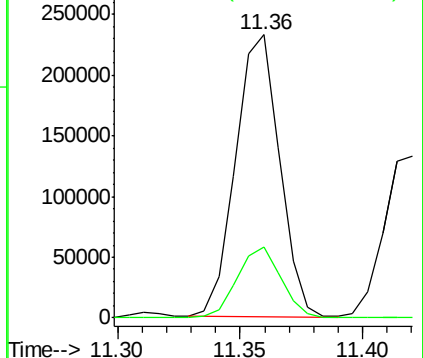
Lab File: VX010334.D

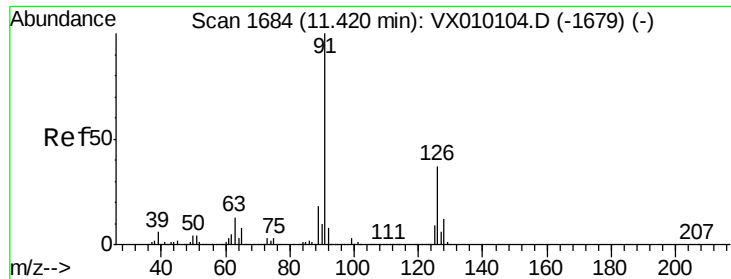
Acq: 18 Jun 2019 11:42

Tgt Ion:	91	Resp:	291440
Ion Ratio	Lower	Upper	
91	100		
120	25.2	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: 18.294 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampled :

VX0618WBS01

Tot Ion: 91 Resp: 172027

Ion Ratio Lower Upper

91 100

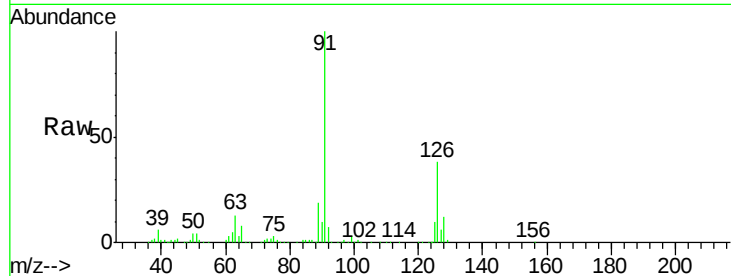
126 37.5 16.1 48.3

Manual Integrations

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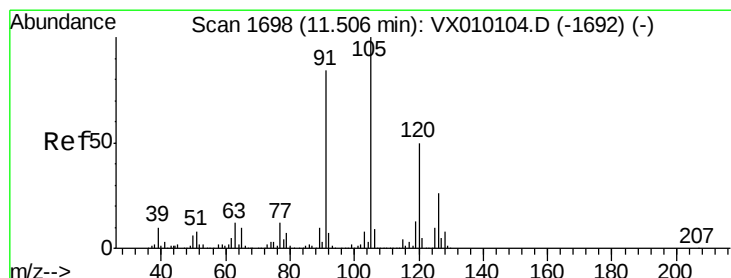
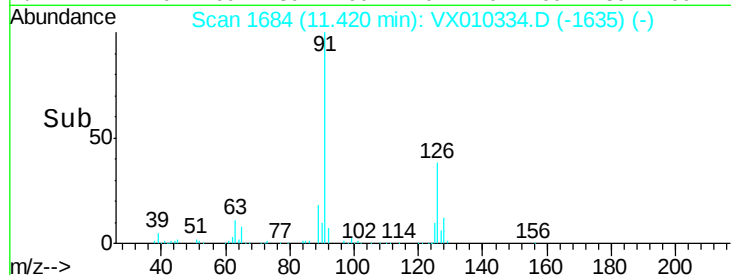
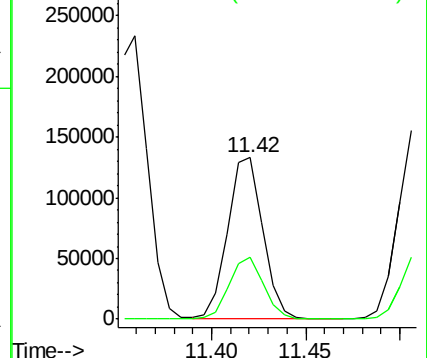
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.705 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010334.D

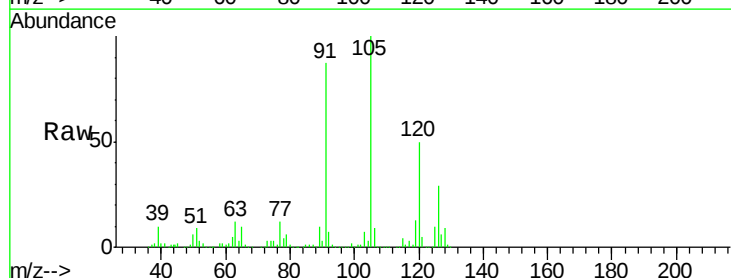
Acq: 18 Jun 2019 11:42

Tgt Ion: 105 Resp: 221565

Ion Ratio Lower Upper

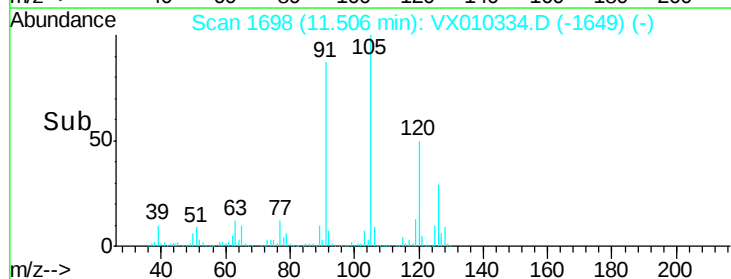
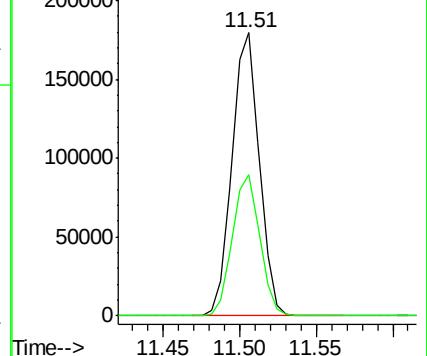
105 100

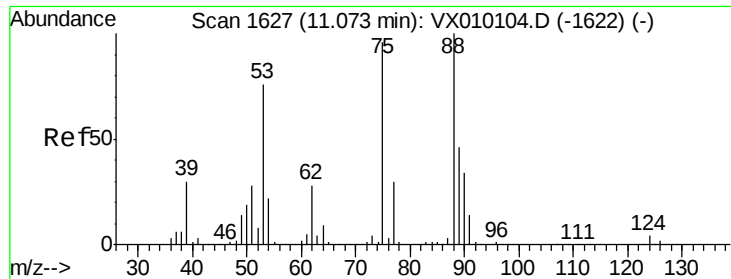
120 50.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.783 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

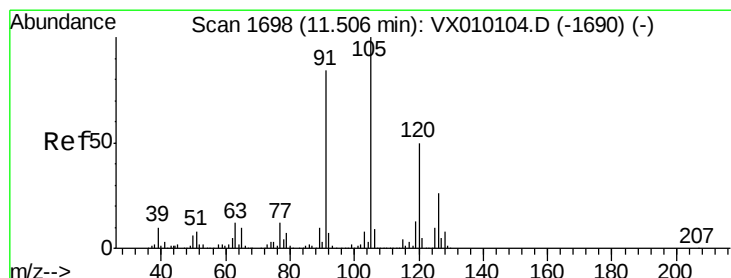
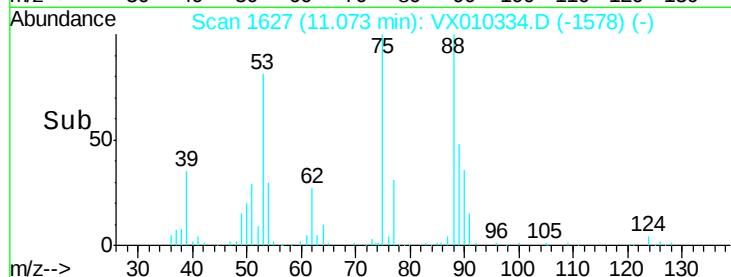
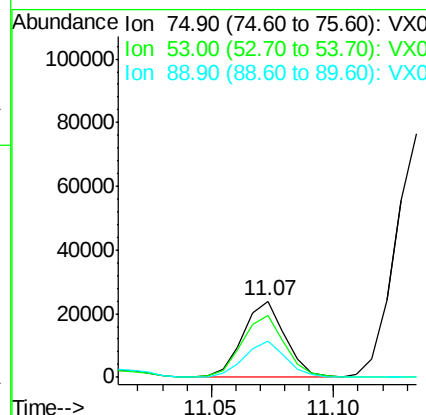
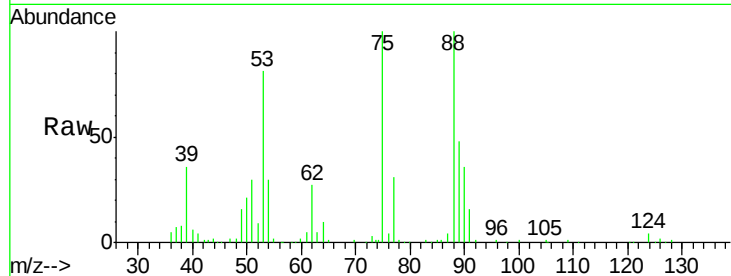
ClientSampled :

VX0618WBS01

Tot Ion:	75	Resp:	28787
Ion Ratio	Lower	Upper	
75	100		
53	84.0	79.8	119.6
89	47.4	34.2	51.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.440 ug/l

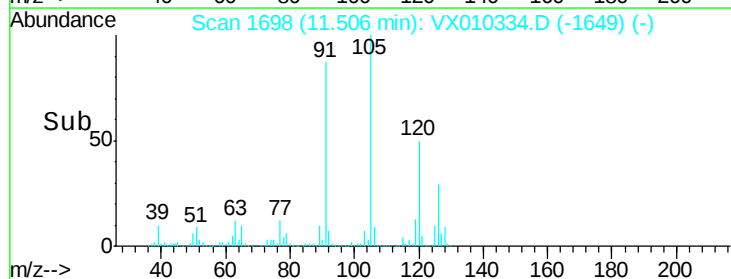
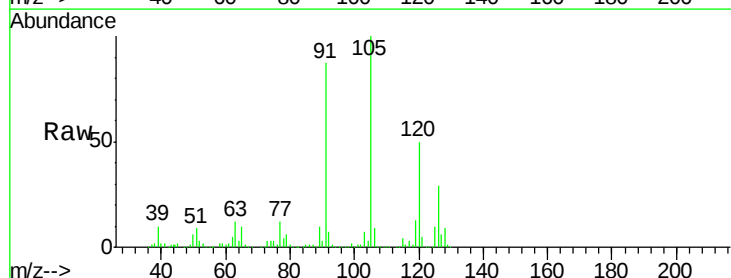
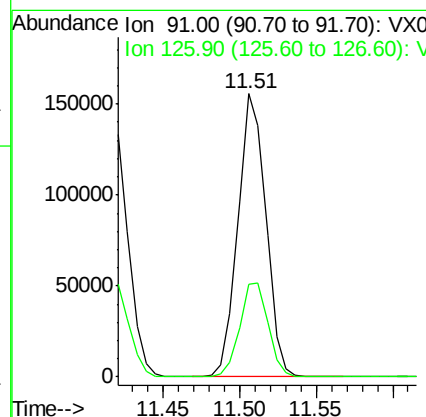
RT: 11.51 min Scan# 1698

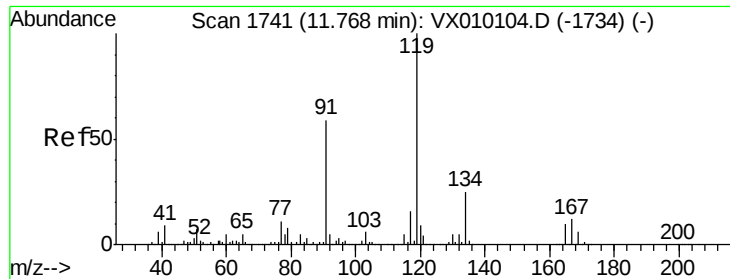
Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Tgt Ion:	91	Resp:	196981
Ion Ratio	Lower	Upper	
91	100		
126	34.0	14.2	42.6





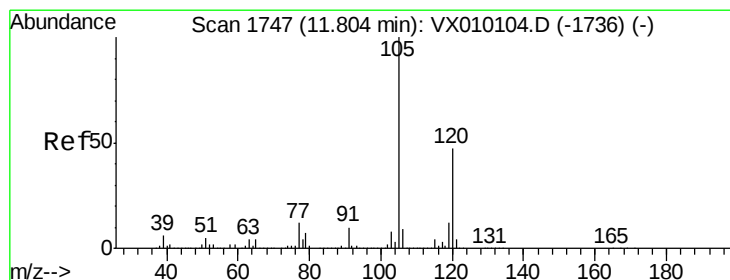
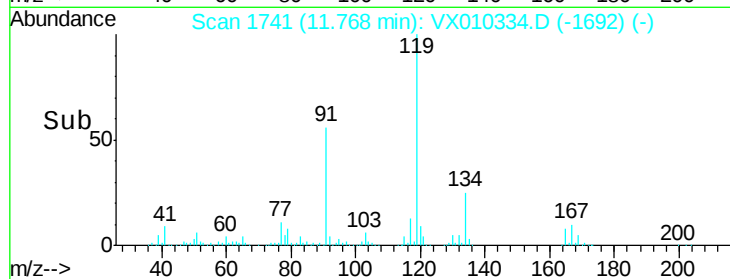
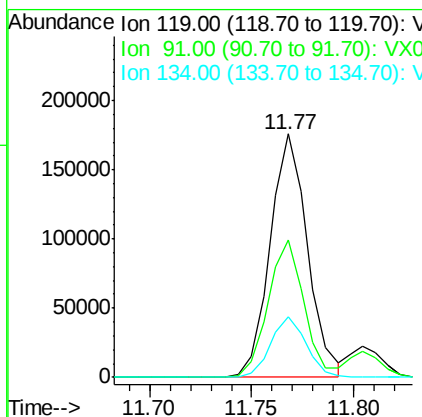
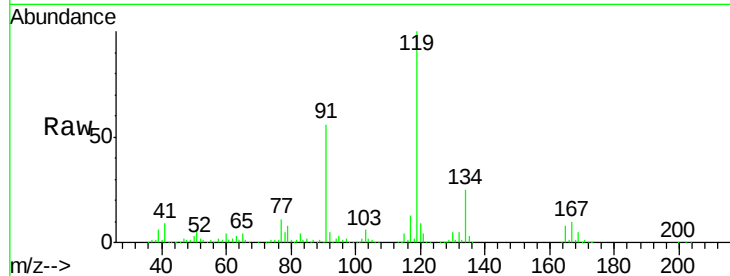
#83
 tert-Butylbenzene
 Concen: 18.690 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010334.D
 Acq: 18 Jun 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	224086		
91	54.6	30.0	90.0	
134	23.9	11.2	33.5	

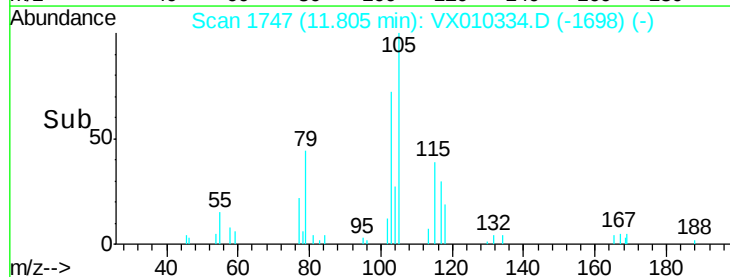
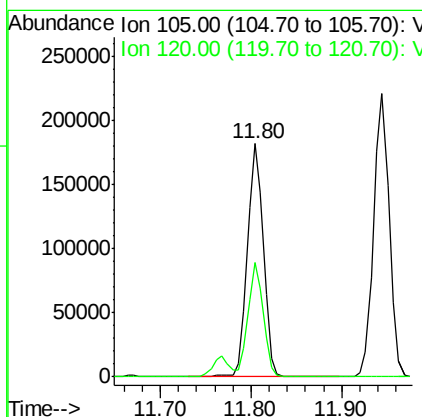
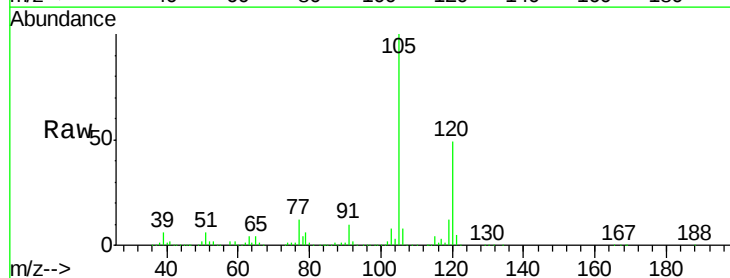
Manual Integrations
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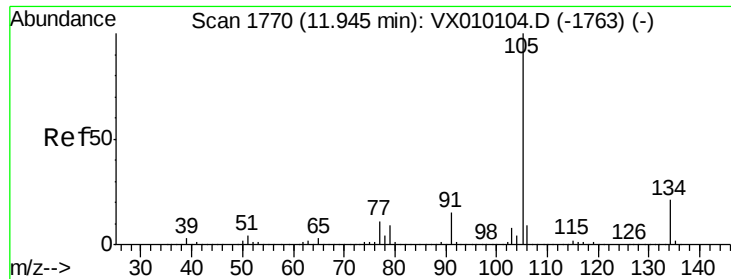
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.599 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010334.D
 Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222540		
120	47.3	22.1	66.1	





#85

sec-Butylbenzene

Concen: 18.848 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion:105 Resp: 263268

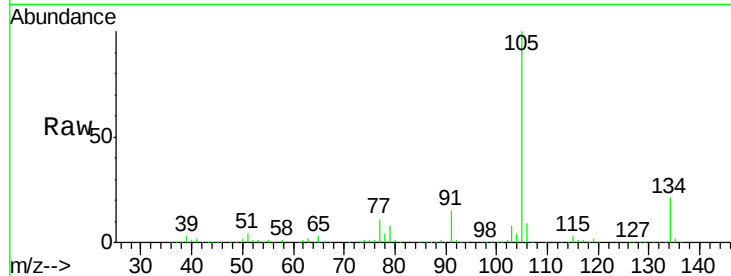
Ion Ratio Lower Upper

105 100

134 21.4 9.7 28.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

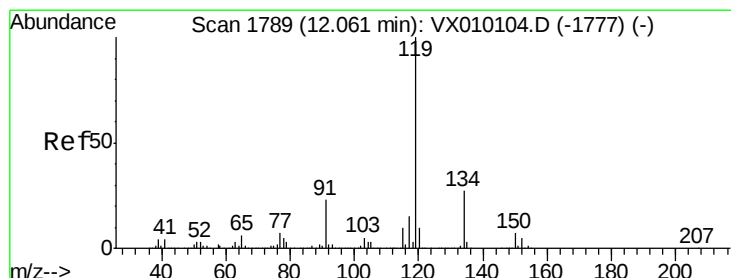
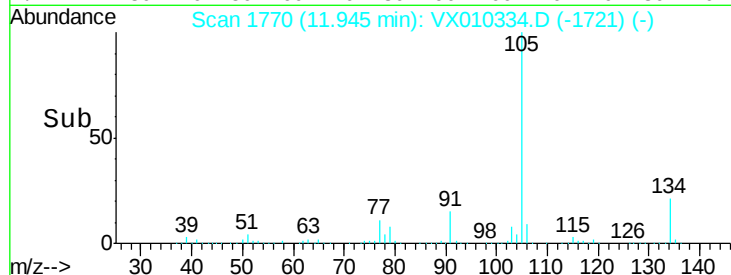
100000

50000

0

11.90 11.94 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 19.061 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

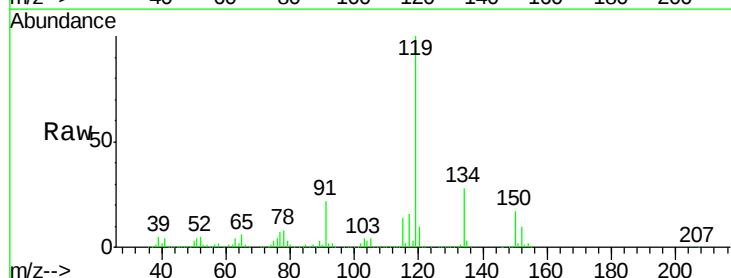
Tgt Ion:119 Resp: 243401

Ion Ratio Lower Upper

119 100

134 27.3 12.9 38.6

91 22.4 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

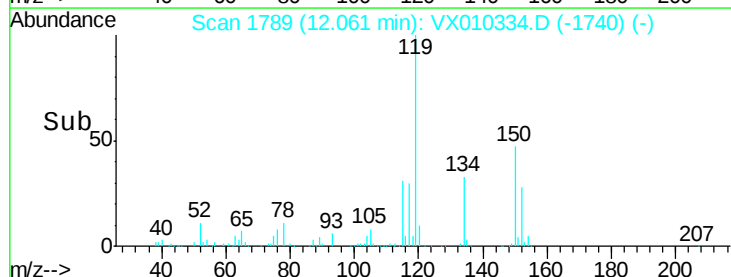
100000

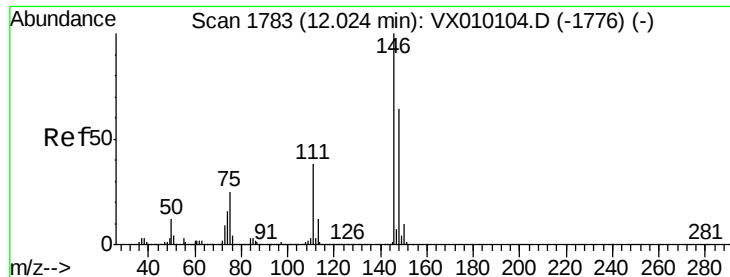
50000

0

11.90 12.00 12.10

Time-->





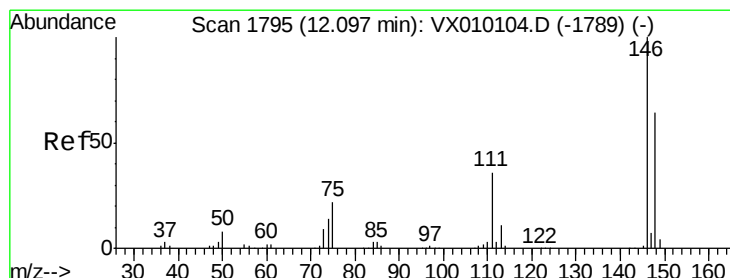
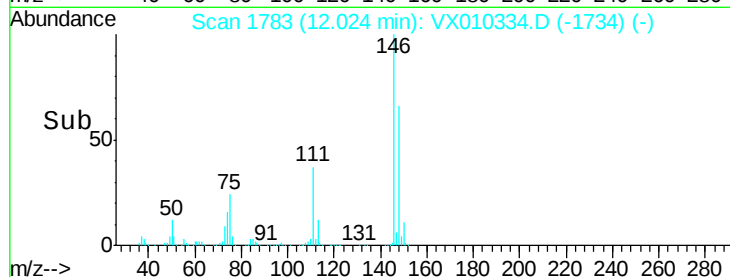
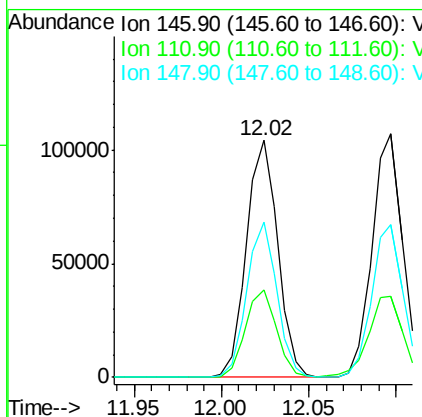
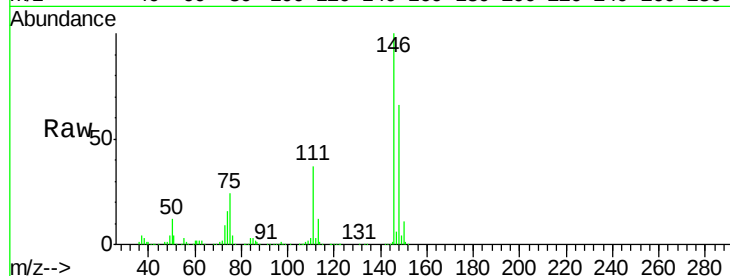
#87
 1,3-Dichlorobenzene
 Concen: 19.121 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010334.D
 Acq: 18 Jun 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	20.1	60.2
148	63.0	31.9	95.5

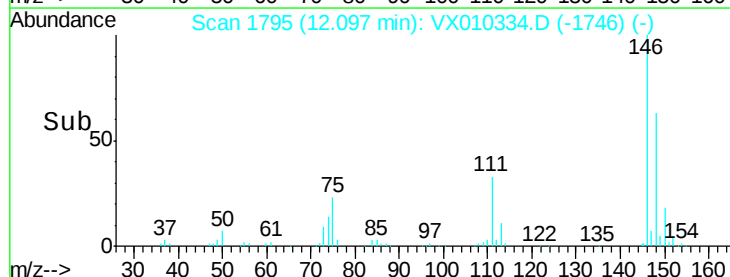
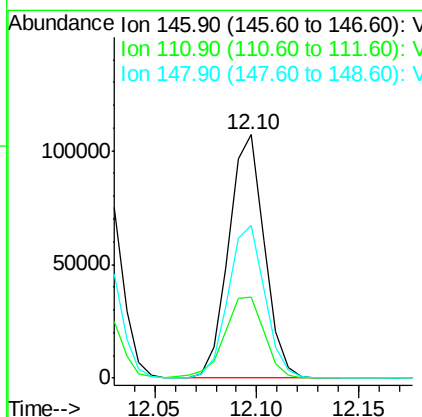
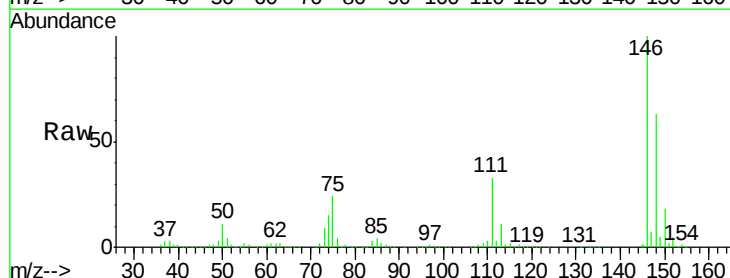
Manual Integrations
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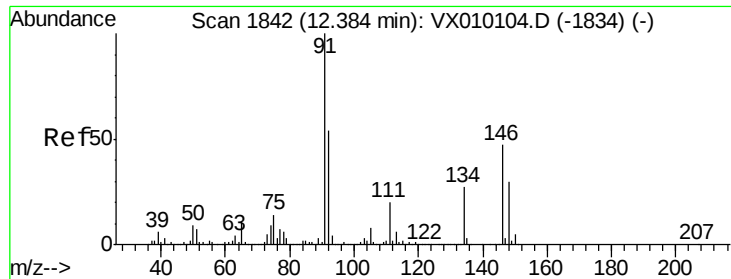
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#88
 1,4-Dichlorobenzene
 Concen: 18.852 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010334.D
 Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.0	59.9
148	64.7	32.3	96.9





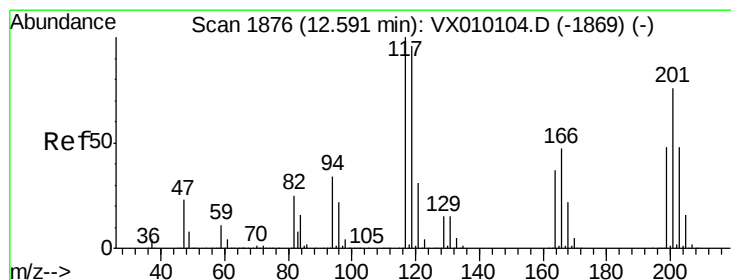
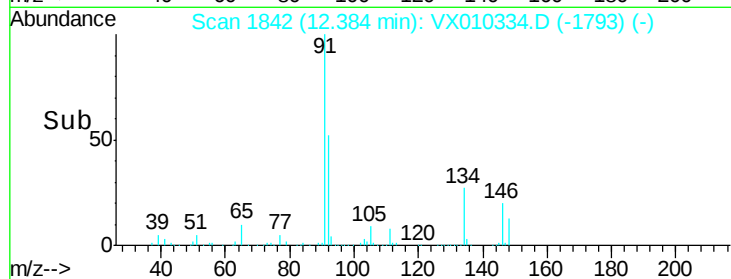
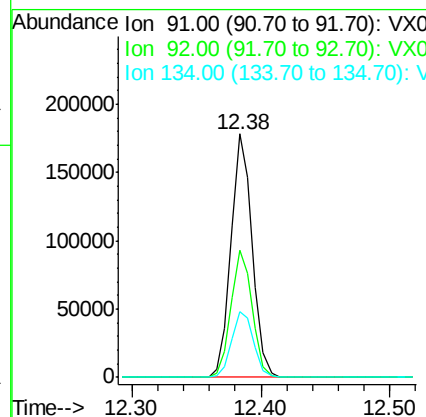
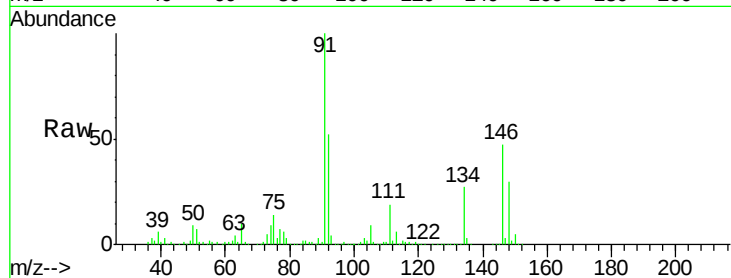
#89
n-Butylbenzene
Concen: 18.924 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.8
134	28.0	12.3	36.8

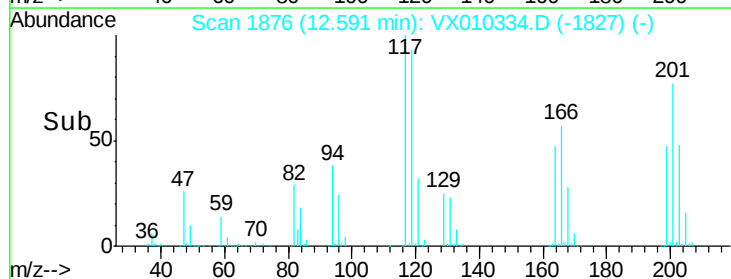
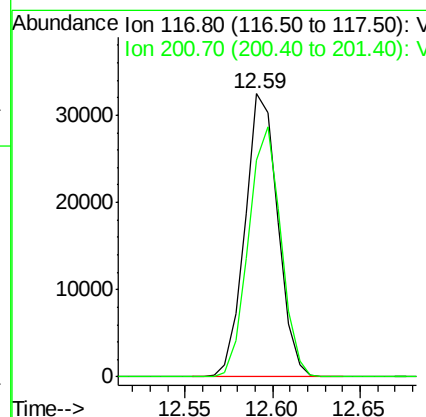
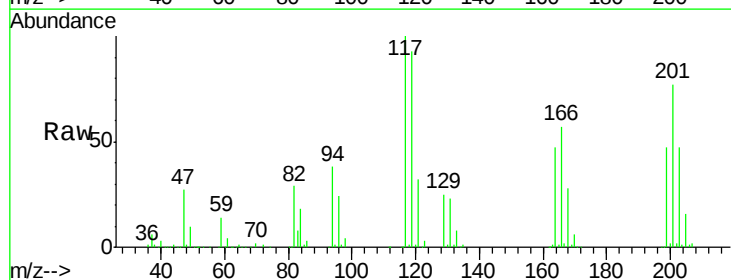
Manual Integrations
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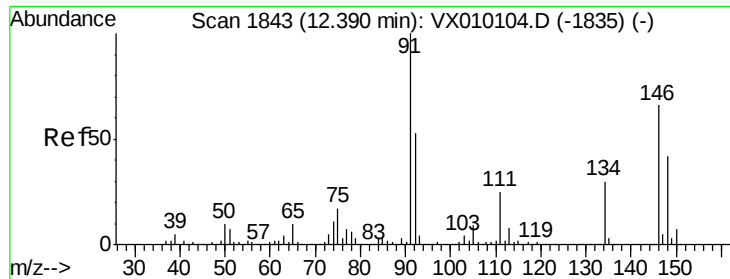
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#90
Hexachloroethane
Concen: 16.627 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX010334.D
Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	43.6	130.9





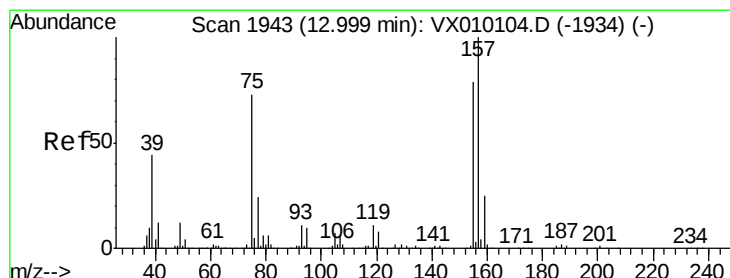
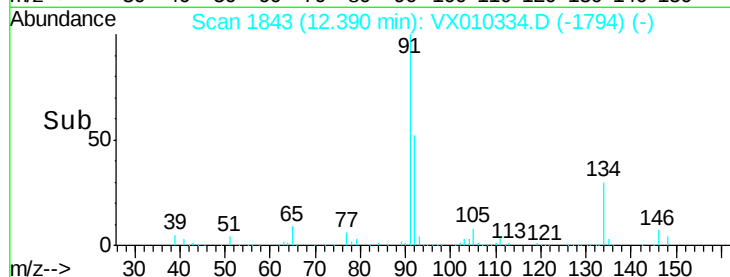
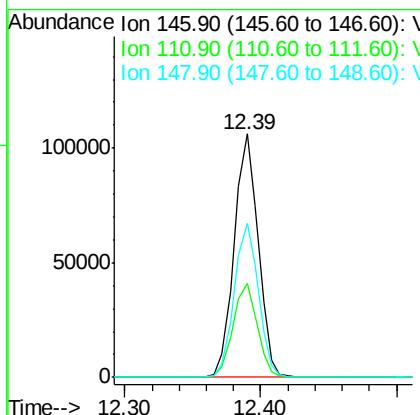
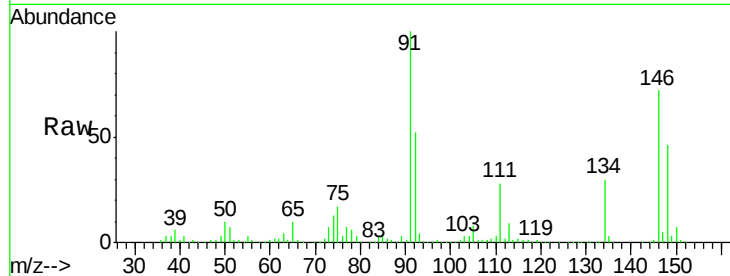
#91
 1,2-Dichlorobenzene
 Concen: 19.683 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010334.D
 Acq: 18 Jun 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	21.1	63.1
148	64.0	32.3	96.8

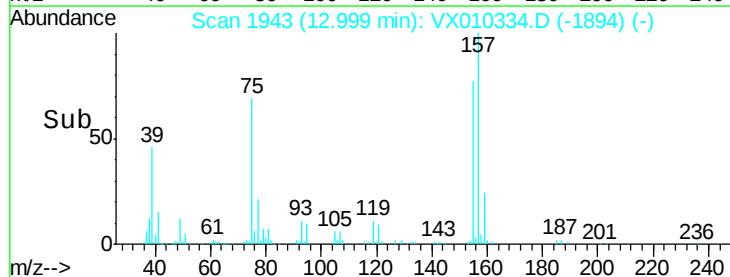
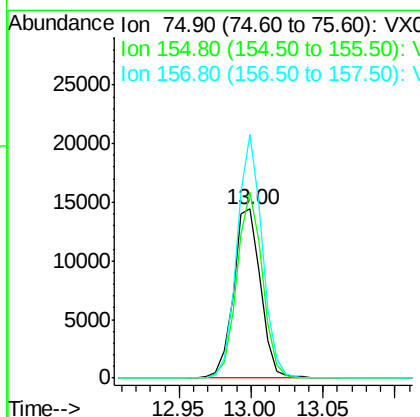
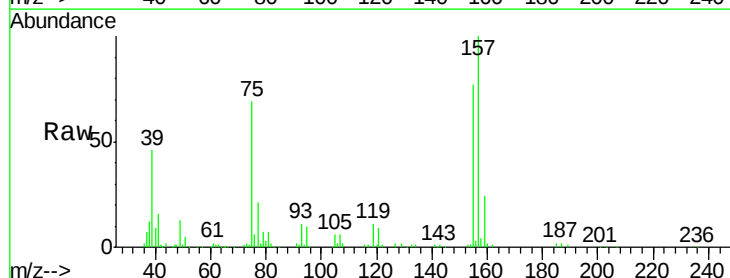
Manual Integrations
 APPROVED

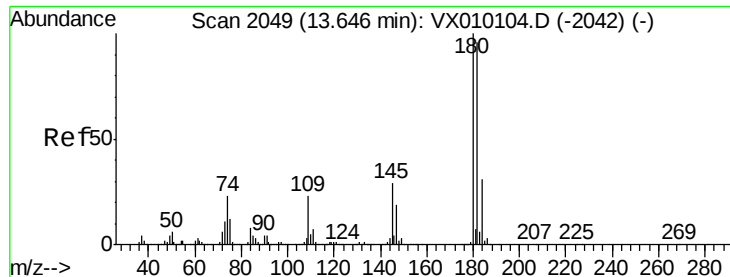
MMDadoda
 6/20/2019 8:58:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.777 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010334.D
 Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.8	39.3	117.8
157	132.3	50.6	151.8





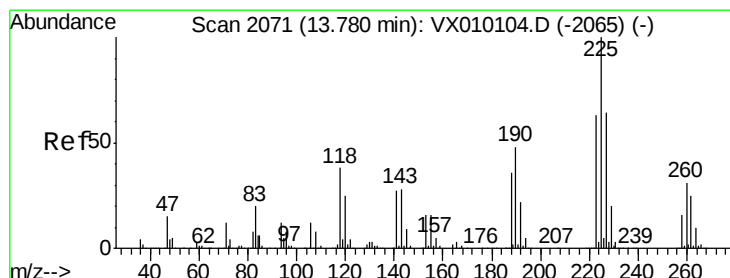
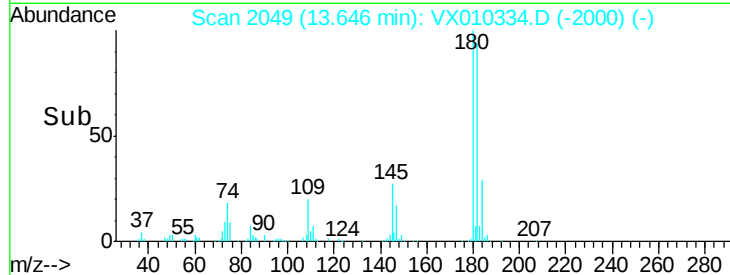
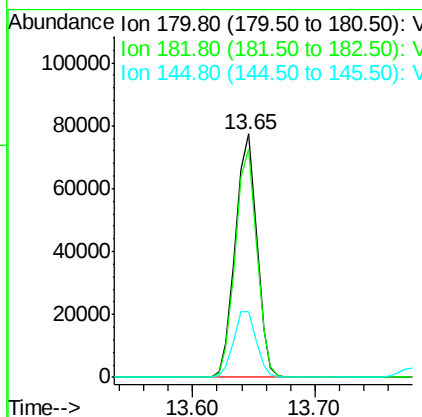
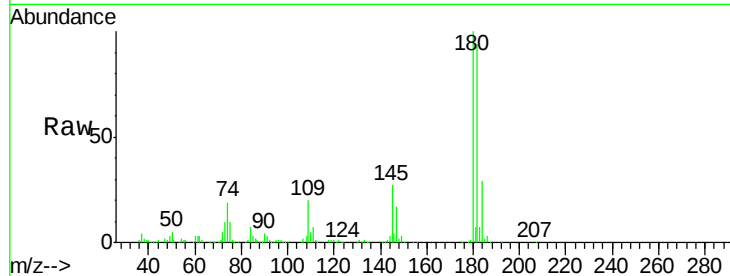
#93
 1,2,4-Trichlorobenzene
 Concen: 19.445 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010334.D
 Acq: 18 Jun 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	94267		
182	93.8	47.4	142.2	
145	28.5	14.5	43.5	

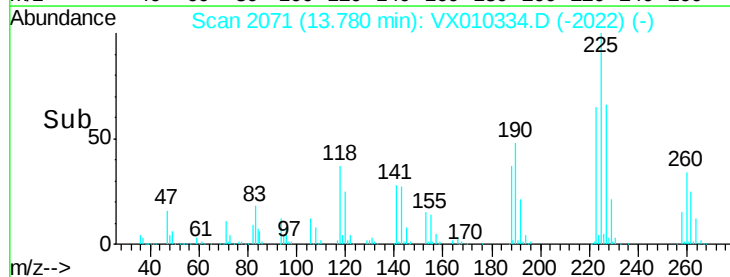
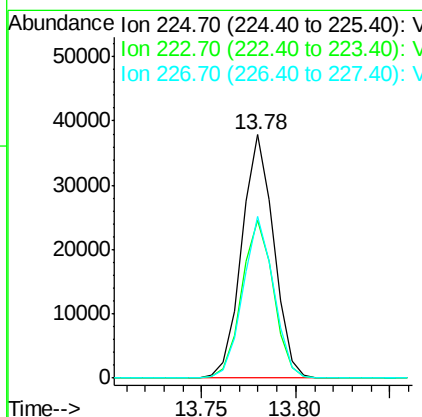
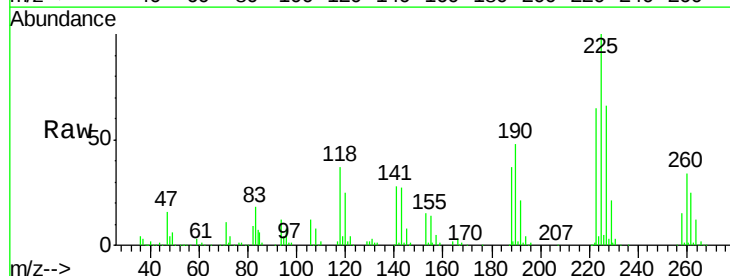
Manual Integrations
 APPROVED

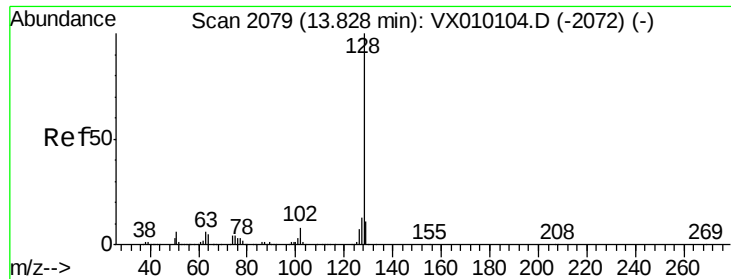
MMDadoda
 6/20/2019 8:58:22 AM



#94
 Hexachlorobutadiene
 Concen: 20.636 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010334.D
 Acq: 18 Jun 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44490		
223	64.3	31.3	93.8	
227	63.8	32.3	96.8	





#95

Naphthalene

Concen: 18.622 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Instrument :

MSVOA_X

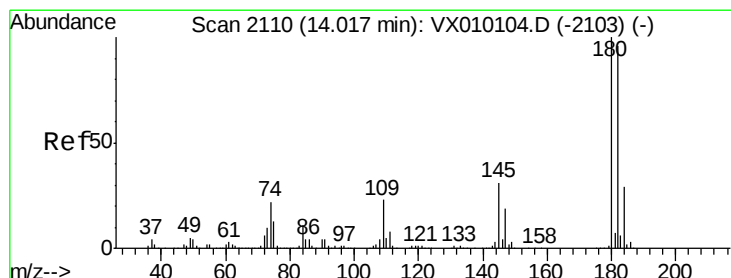
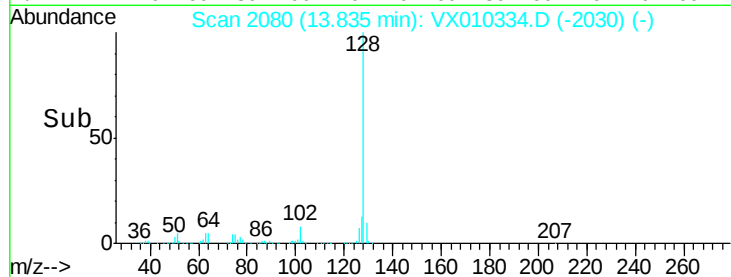
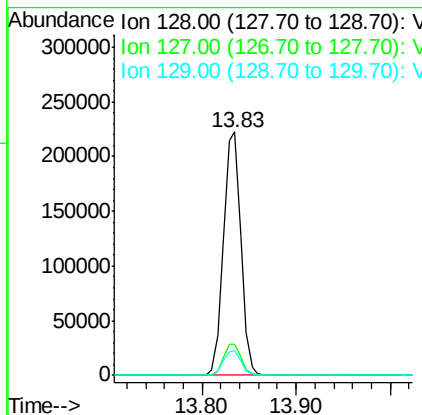
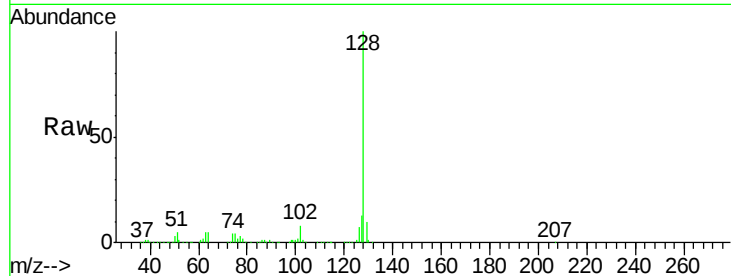
ClientSampleId :

VX0618WBS01

Tot Ion:	128	Resp:	284181
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.5	8.8	13.2

Manual Integrations
APPROVED

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6/20/2019 8:58:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.469 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010334.D

Acq: 18 Jun 2019 11:42

Tgt Ion:	180	Resp:	93320
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.3	142.0
145	30.2	15.6	46.7

