

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071818\
 Data File : VX003444.D
 Acq On : 18 Jul 2018 13:48
 Operator : JC/MD
 Sample : J3965-10MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 1:04:14 PM

Quant Time: Jul 19 01:56:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	611401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	932689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	846228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	512770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	376368	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
35) Dibromofluoromethane	5.51	113	348753	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
50) Toluene-d8	8.72	98	1326444	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
62) 4-Bromofluorobenzene	11.14	95	487339	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	163994	23.76	ug/l	98
3) Chloromethane	1.32	50	174169	23.32	ug/l	98
4) Vinyl Chloride	1.40	62	193570	23.78	ug/l	100
5) Bromomethane	1.64	94	76025	24.62	ug/l	98
6) Chloroethane	1.72	64	116007	24.57	ug/l	99
7) Trichlorofluoromethane	1.92	101	274792	25.45	ug/l	96
8) Diethyl Ether	2.19	74	112001	24.25	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	155098	22.74	ug/l	98
10) Methyl Iodide	2.51	142	174853	23.97	ug/l	93
11) Tert butyl alcohol	3.08	59	215137	119.48	ug/l	100
12) 1,1-Dichloroethene	2.37	96	156856	24.34	ug/l	91
13) Acrolein	2.29	56	73790	85.43	ug/l	99
14) Allyl chloride	2.73	41	263174	22.51	ug/l	87
15) Acrylonitrile	3.15	53	493555	119.64	ug/l	97
16) Acetone	2.45	43	415388	124.73	ug/l	90
17) Carbon Disulfide	2.57	76	398547	22.54	ug/l	99
18) Methyl Acetate	2.78	43	220742	20.35	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	531785	24.85	ug/l	98
20) Methylene Chloride	2.86	84	179026	29.92	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	163606	23.50	ug/l	94
22) Diisopropyl ether	3.88	45	530842	23.41	ug/l	93
23) Vinyl Acetate	3.83	43	1454489	77.77	ug/l	100
24) 1,1-Dichloroethane	3.70	63	315013	24.49	ug/l	99
25) 2-Butanone	4.71	43	636807	122.18	ug/l	92
26) 2,2-Dichloropropane	4.59	77	90355	10.01	ug/l	86
27) cis-1,2-Dichloroethene	4.60	96	186045	24.84	ug/l	94
28) Bromochloromethane	5.02	49	141716	25.37	ug/l	86
29) Tetrahydrofuran	5.17	42	409220	123.80	ug/l	91
30) Chloroform	5.22	83	302070	25.48	ug/l	98
31) Cyclohexane	5.57	56	251058	25.27	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	257453	25.54	ug/l	97
36) 1,1-Dichloropropene	5.80	75	218639	23.15	ug/l	97
37) Ethyl Acetate	4.87	43	168005	15.79	ug/l	95
38) Carbon Tetrachloride	5.78	117	228958	23.82	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	233399	21.59	ug/l	94
40) Benzene	6.15	78	695777	24.21	ug/l	100
41) Methacrylonitrile	5.07	41	137375	23.47	ug/l	92
42) 1,2-Dichloroethane	6.20	62	227364	23.07	ug/l	94
43) Isopropyl Acetate	6.47	43	315721	19.65	ug/l #	91
44) Trichloroethene	7.21	130	198530	23.85	ug/l	99
45) 1,2-Dichloropropane	7.52	63	179511	24.01	ug/l	98
46) Dibromomethane	7.67	93	116409	23.39	ug/l	94
47) Bromodichloromethane	7.90	83	220372	24.18	ug/l	98
48) Methyl methacrylate	7.78	41	196946	24.03	ug/l	85
49) 1,4-Dioxane	7.76	88	91040	485.20	ug/l #	93
51) 4-Methyl-2-Pentanone	8.65	43	1245939	117.83	ug/l	91
52) Toluene	8.79	92	436205	24.24	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	236260	21.95	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	215109	21.90	ug/l #	89
55) 1,1,2-Trichloroethane	9.22	97	183272	24.38	ug/l	97
56) Ethyl methacrylate	9.18	69	265868	24.98	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	294482	24.38	ug/l	100
59) 2-Hexanone	9.50	43	957628	117.87	ug/l	88
60) Dibromochloromethane	9.59	129	187011	25.04	ug/l	100
61) 1,2-Dibromoethane	9.68	107	189367	24.44	ug/l	100
64) Tetrachloroethene	9.34	164	216689	24.48	ug/l	97
65) Chlorobenzene	10.14	112	501886	25.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	182544	25.69	ug/l	99
67) Ethyl Benzene	10.26	91	830239	25.41	ug/l	99
68) m/p-Xylenes	10.36	106	648611	51.32	ug/l	96
69) o-Xylene	10.70	106	318760	26.26	ug/l	96
70) Styrene	10.71	104	523531	26.21	ug/l	97
71) Bromoform	10.86	173	150514	26.33	ug/l	99
73) Isopropylbenzene	11.02	105	838473	25.54	ug/l	99
74) N-amyl acetate	6.47	43	315721	20.00	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	263177	24.28	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	229543m	24.73	ug/l	
77) Bromobenzene	11.26	156	236987	25.41	ug/l	97
78) n-propylbenzene	11.37	91	931705	25.40	ug/l	99
79) 2-Chlorotoluene	11.42	91	560977	24.95	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	692315	25.81	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	57894	20.26	ug/l	87
82) 4-Chlorotoluene	11.51	91	655439	24.98	ug/l	98
83) tert-Butylbenzene	11.77	119	680774	25.97	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	715181	25.96	ug/l	97
85) sec-Butylbenzene	11.95	105	796687	25.05	ug/l	99
86) p-Isopropyltoluene	12.07	119	718708	25.39	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	419346	24.57	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	421695	24.33	ug/l	99
89) n-Butylbenzene	12.39	91	576698	23.92	ug/l	99
90) Hexachloroethane	12.60	117	107824	25.14	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	430119	25.09	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	56010	24.84	ug/l	87
93) 1,2,4-Trichlorobenzene	13.65	180	297399	25.35	ug/l	100

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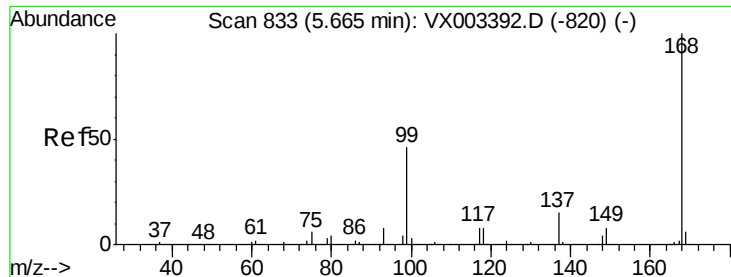
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	126818	22.46	ug/l	99
95) Naphthalene	13.83	128	913369	27.17	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	306612	25.41	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tot Ion:168 Resp: 611401

Ion Ratio Lower Upper

168 100

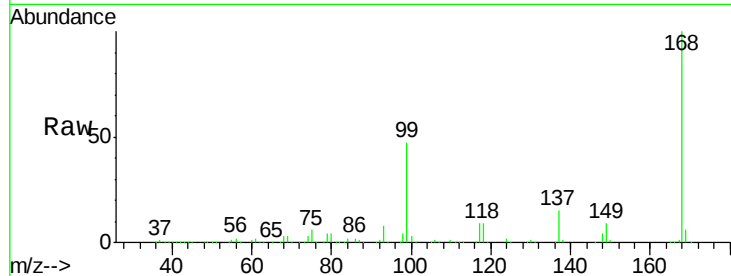
99 46.9 39.3 58.9

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

250000

200000

150000

100000

50000

0

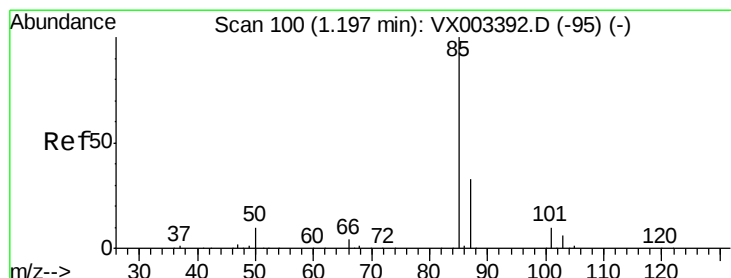
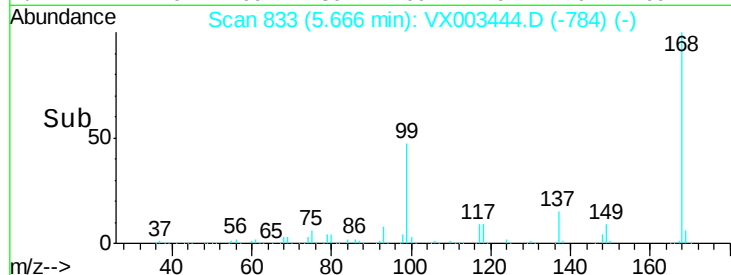
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 23.76 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003444.D

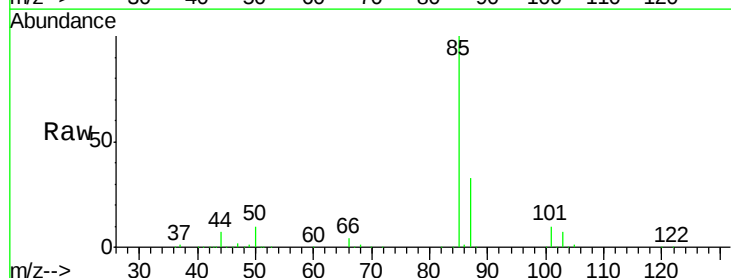
Acq: 18 Jul 2018 13:48

Tgt Ion: 85 Resp: 163994

Ion Ratio Lower Upper

85 100

87 33.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

100000

50000

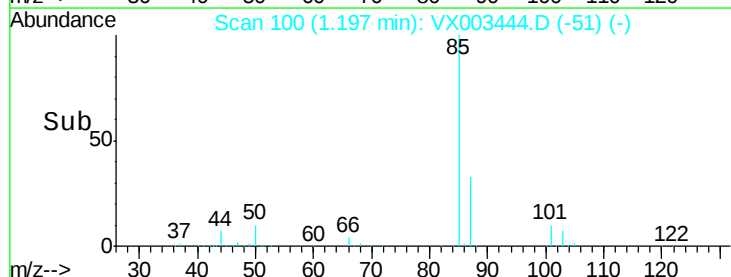
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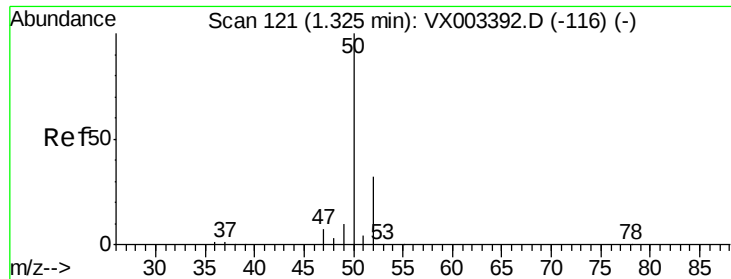
1.10

1.20

1.30

Time-->





#3

Chloromethane

Concen: 23.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tot Ion: 50 Resp: 174169

Ion Ratio Lower Upper

50 100

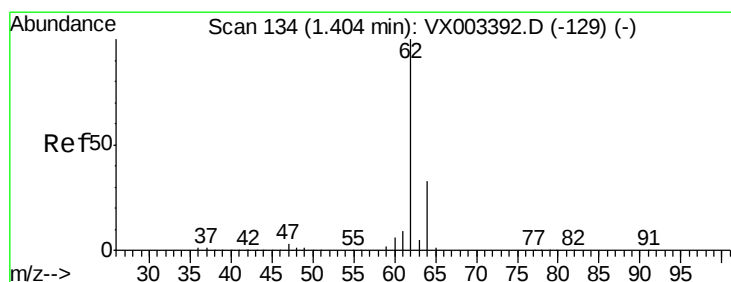
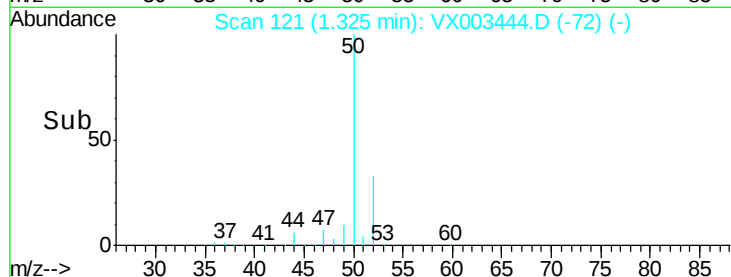
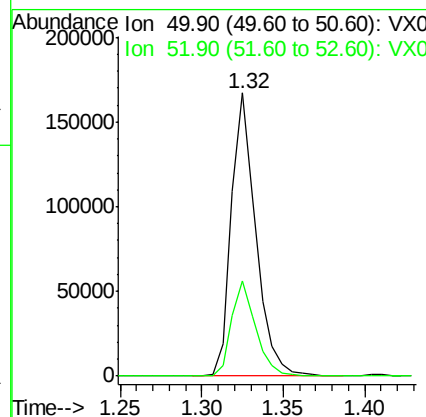
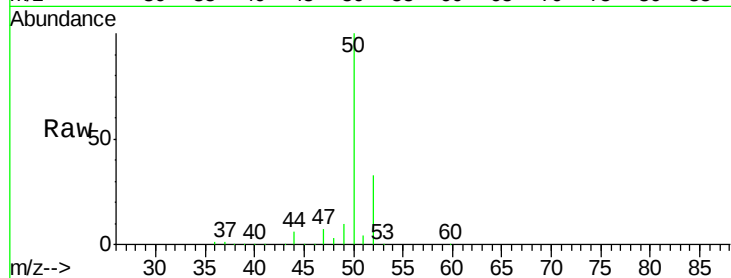
52 33.4 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.78 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003444.D

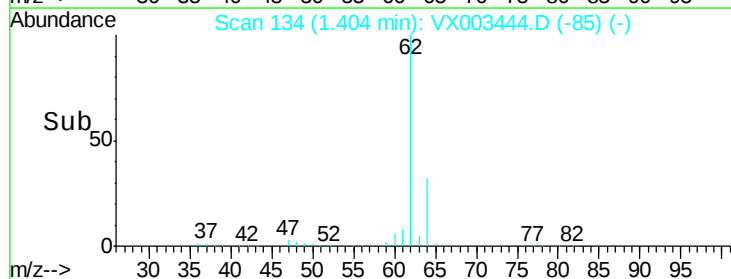
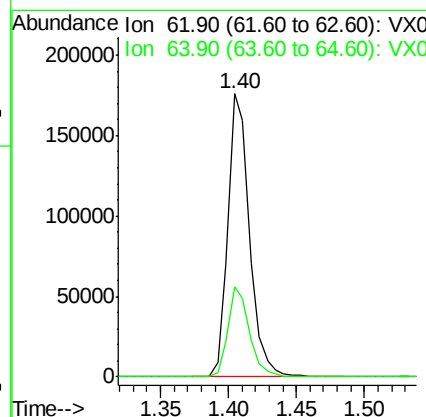
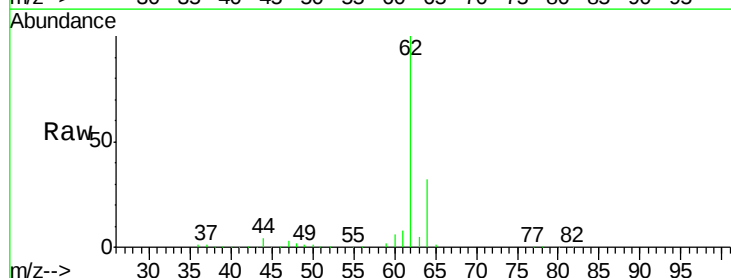
Acq: 18 Jul 2018 13:48

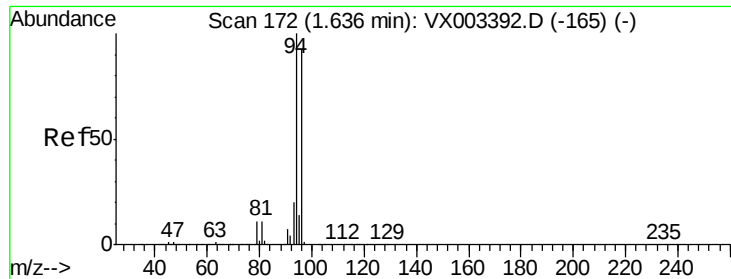
Tgt Ion: 62 Resp: 193570

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 24.62 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tot Ion: 94 Resp: 76025

Ion Ratio Lower Upper

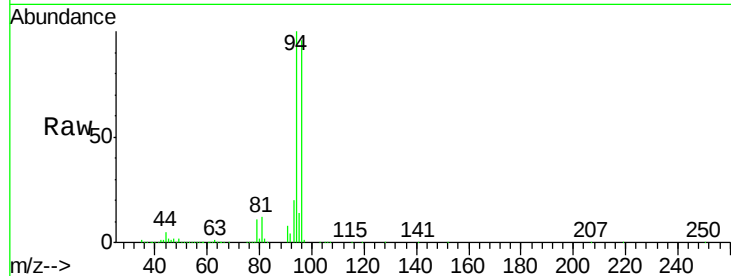
94 100

96 95.6 74.9 112.3

Manual Integrations
APPROVED

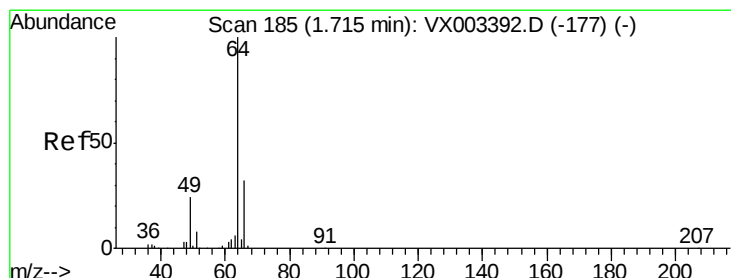
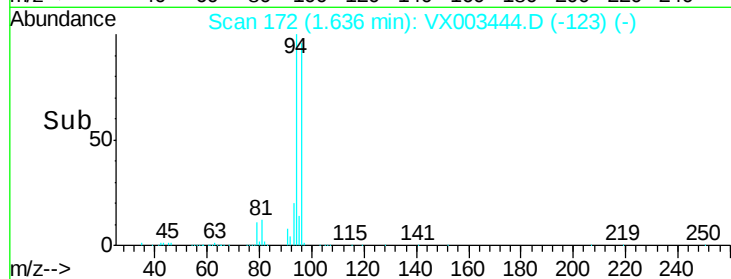
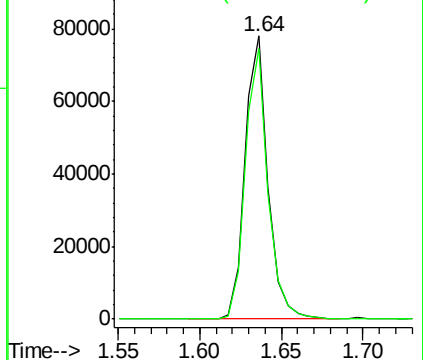
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 24.57 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003444.D

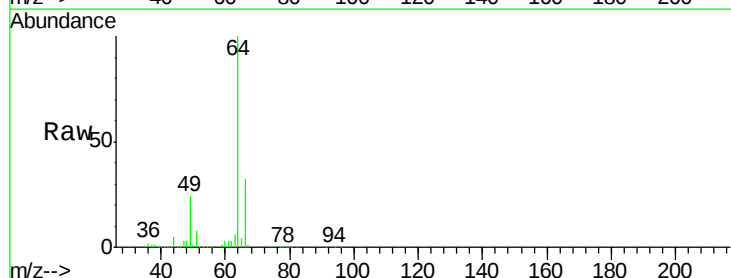
Acq: 18 Jul 2018 13:48

Tgt Ion: 64 Resp: 116007

Ion Ratio Lower Upper

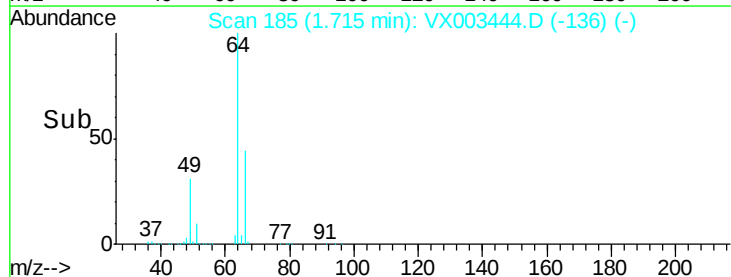
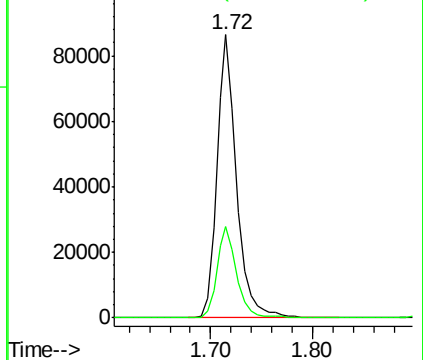
64 100

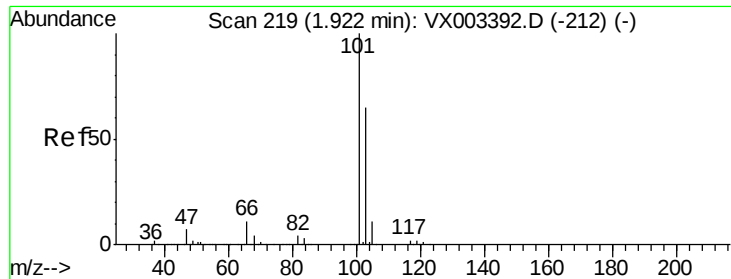
66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

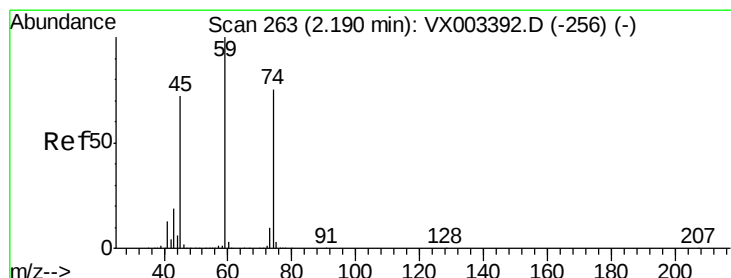
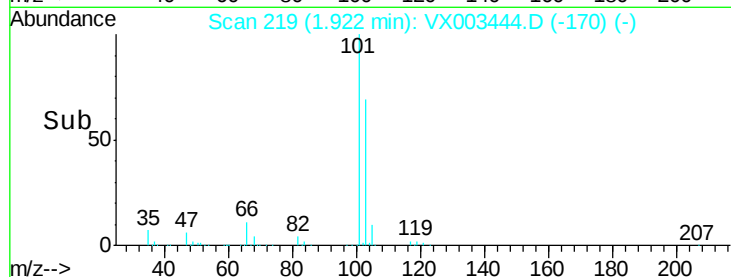
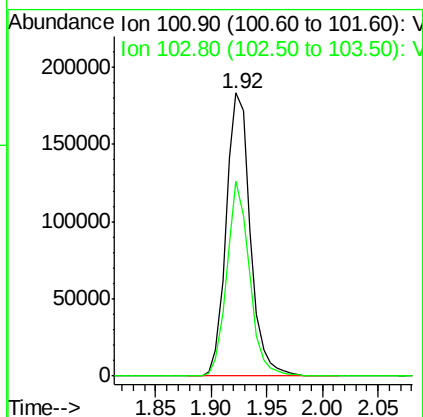
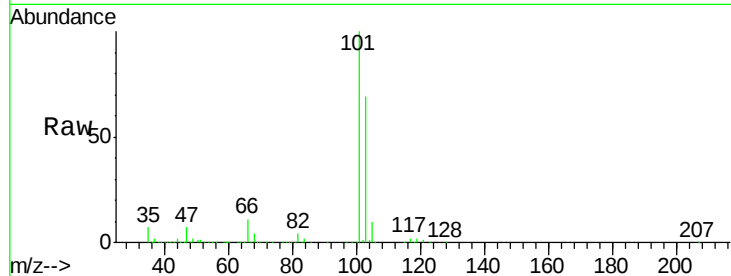
Trichlorofluoromethane
 Concen: 25.45 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.9	52.8	79.2

Manual Integrations
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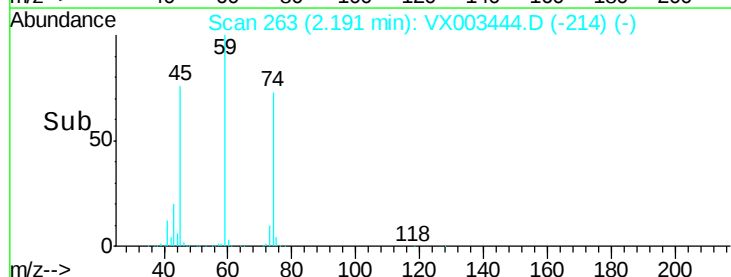
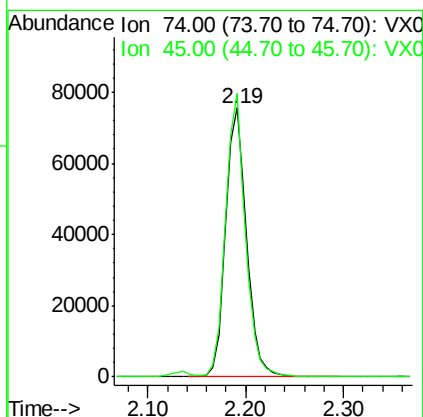
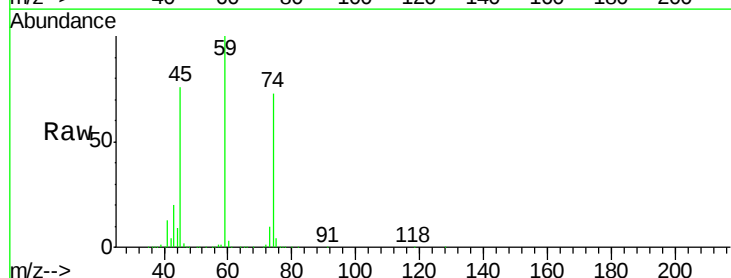
MMDadoda
 7/19/2018 1:04:14 PM

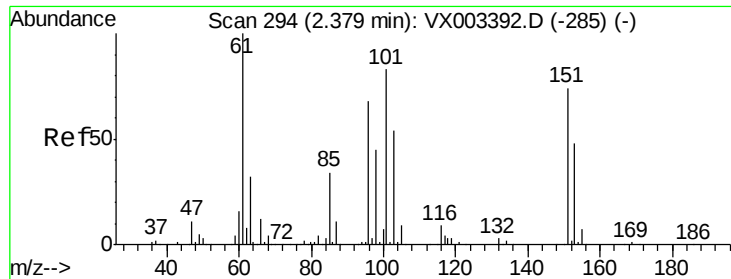


#8

Diethyl Ether
 Concen: 24.25 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.74 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

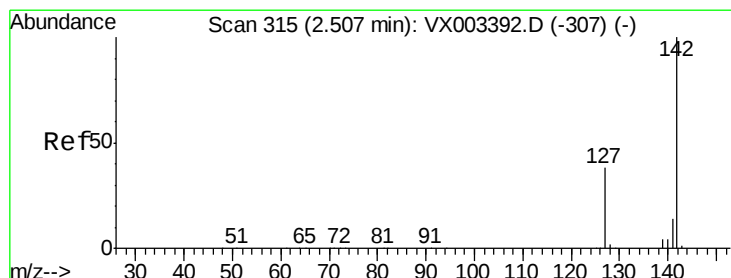
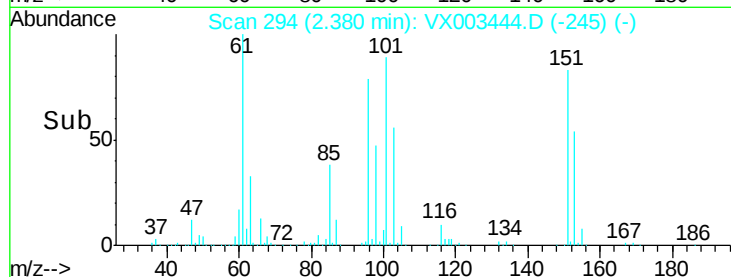
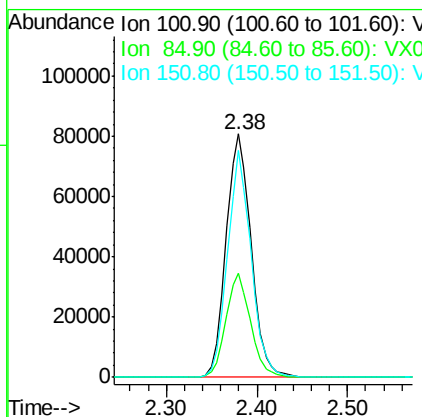
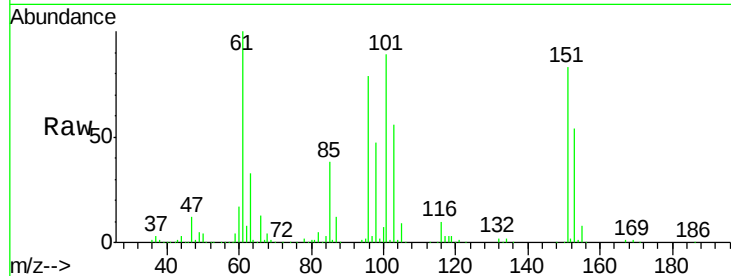
ClientSampled :

LF1-0034MS

Tot Ion:	101	Resp:	155098
Ion Ratio	Lower	Upper	
101	100		
85	41.9	36.0	54.0
151	88.1	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 23.97 ug/l

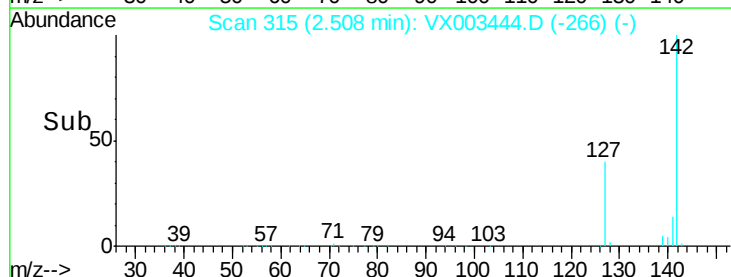
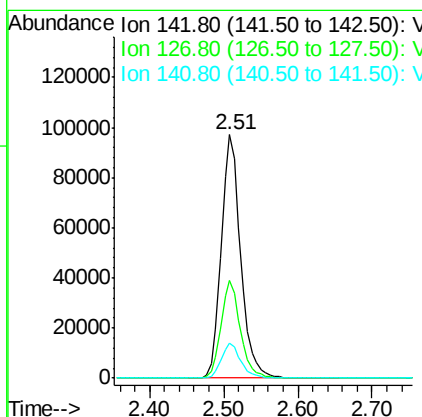
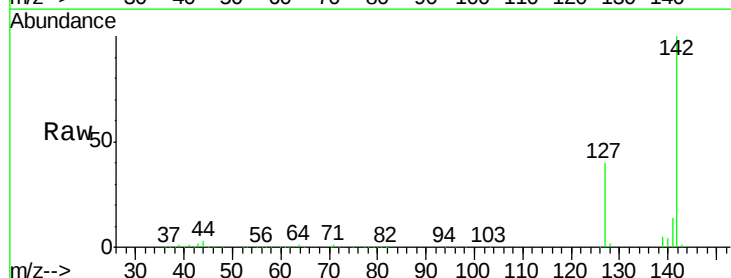
RT: 2.51 min Scan# 315

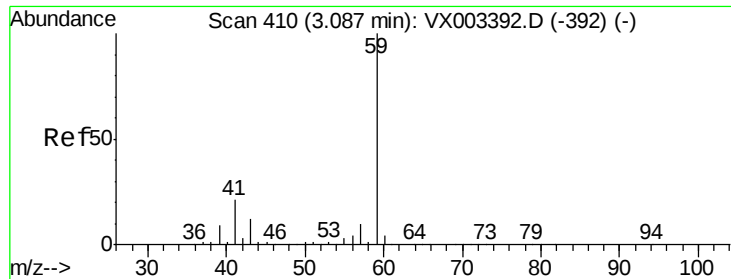
Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Tgt Ion:	142	Resp:	174853
Ion Ratio	Lower	Upper	
142	100		
127	40.0	36.6	55.0
141	14.4	11.3	16.9





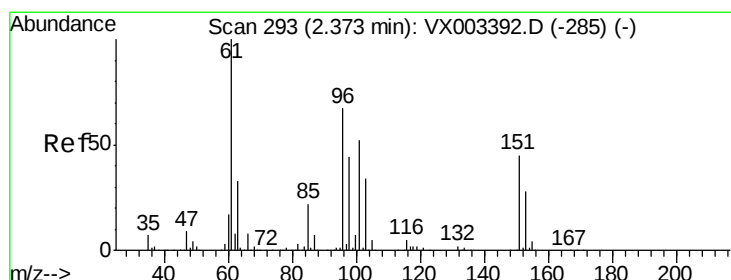
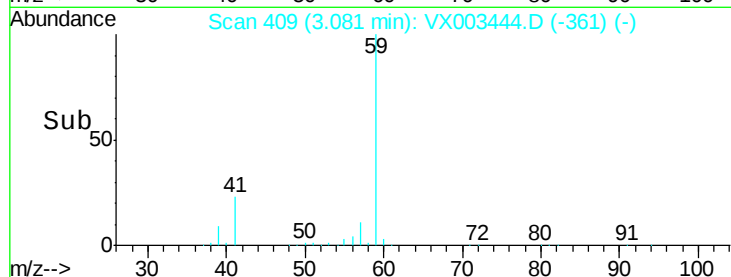
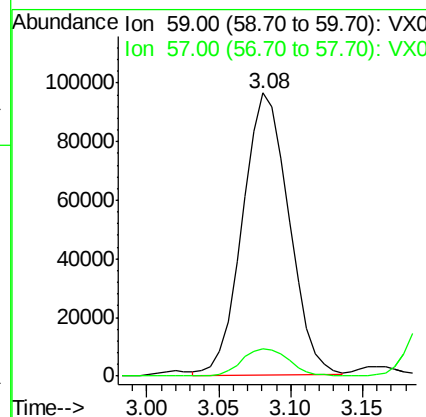
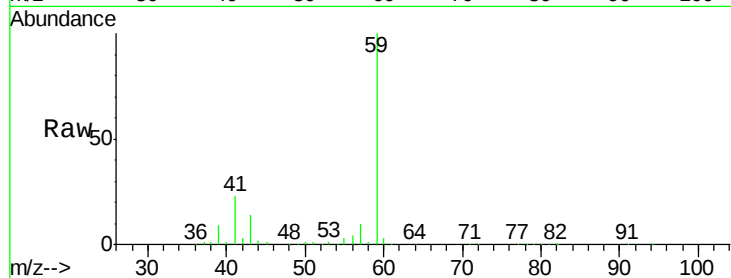
#11
Tert butyl alcohol
Concen: 119.48 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tot Ion: 59 Resp: 215137
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

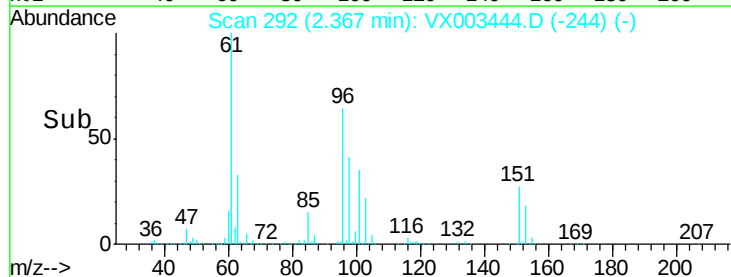
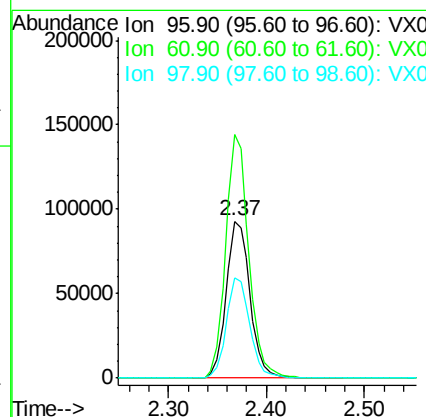
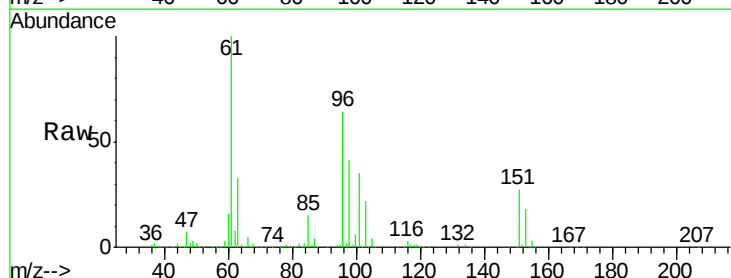
Manual Integrations
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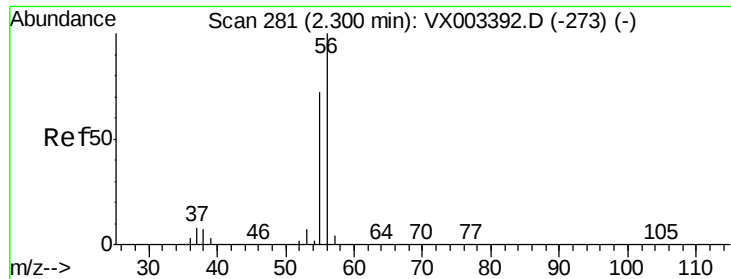
MMDadoda
7/19/2018 1:04:14 PM



#12
1,1-Dichloroethene
Concen: 24.34 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion: 96 Resp: 156856
Ion Ratio Lower Upper
96 100
61 155.4 137.9 206.9
98 63.7 51.6 77.4





#13

Acrolein

Concen: 85.43 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tot Ion: 56 Resp: 73790

Ion Ratio Lower Upper

56 100

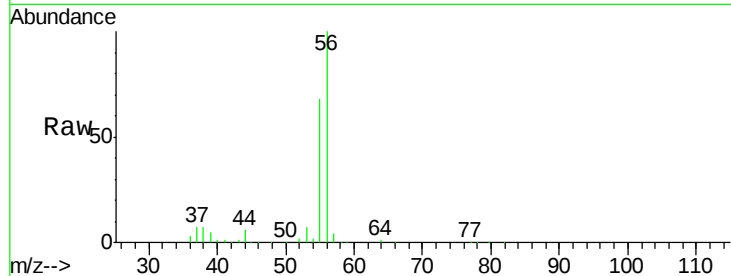
55 70.0 57.0 85.4

Manual Integrations

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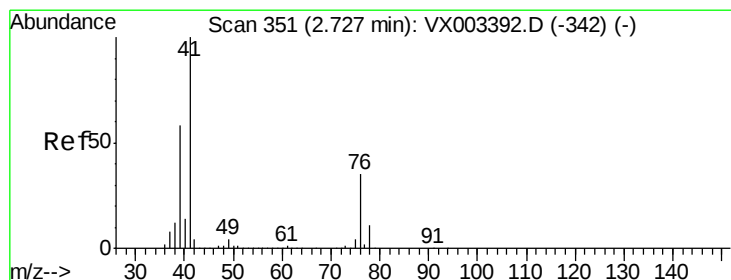
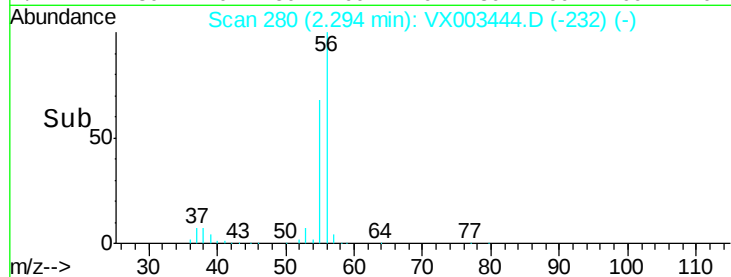
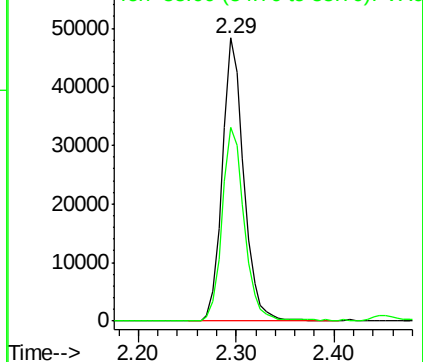
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 22.51 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

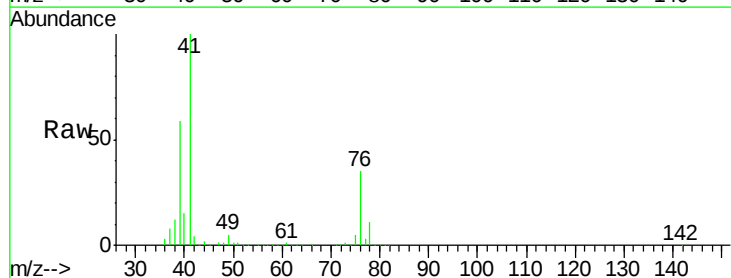
Tgt Ion: 41 Resp: 263174

Ion Ratio Lower Upper

41 100

39 57.9 56.8 85.2

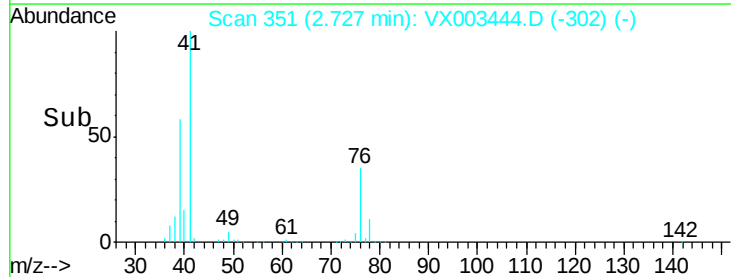
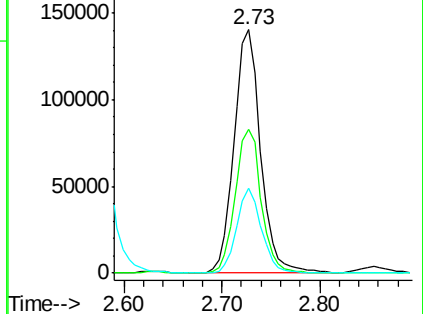
76 32.7 23.8 35.8

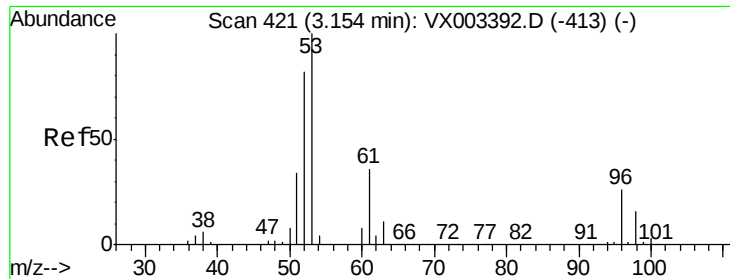


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 119.64 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

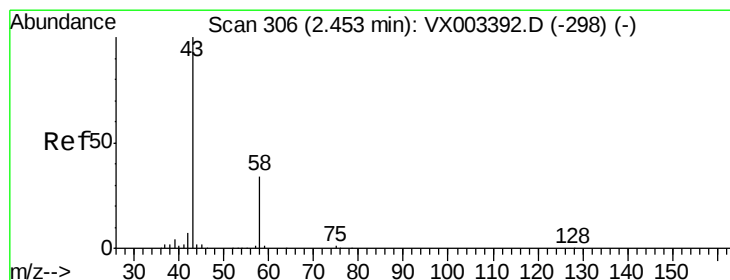
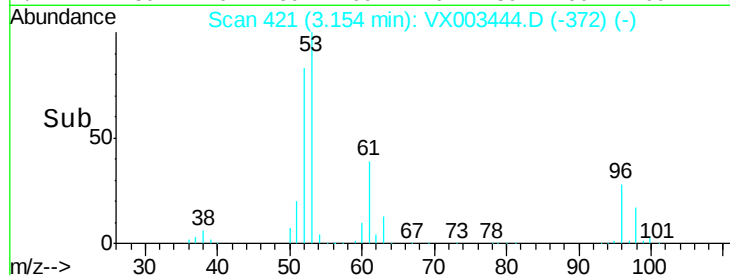
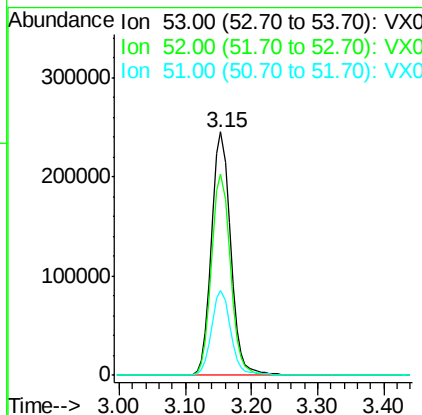
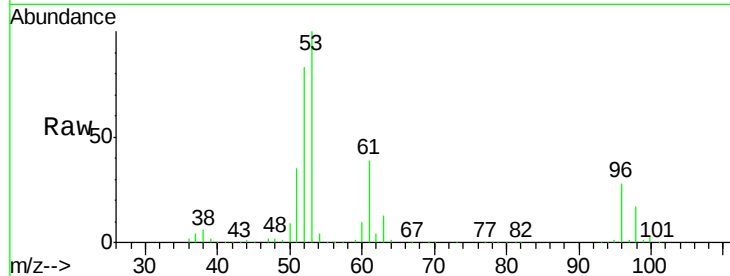
ClientSampleId :

LF1-0034MS

Tot Ion:	53	Resp:	493555
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.7	100.1
51	34.6	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 124.73 ug/l

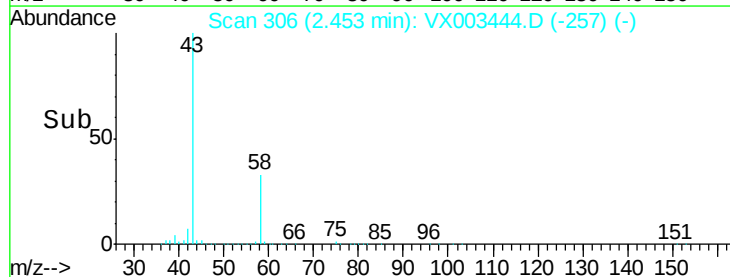
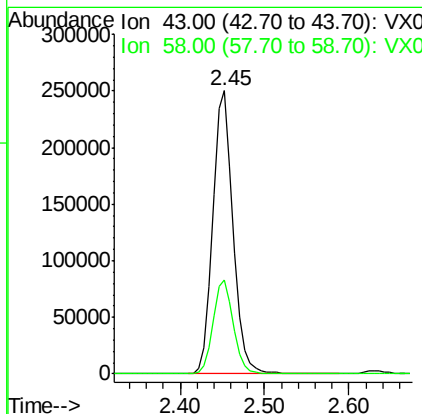
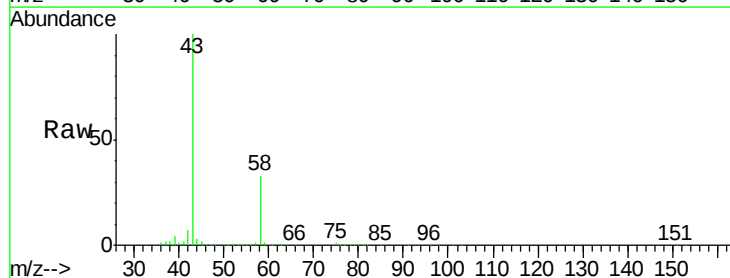
RT: 2.45 min Scan# 306

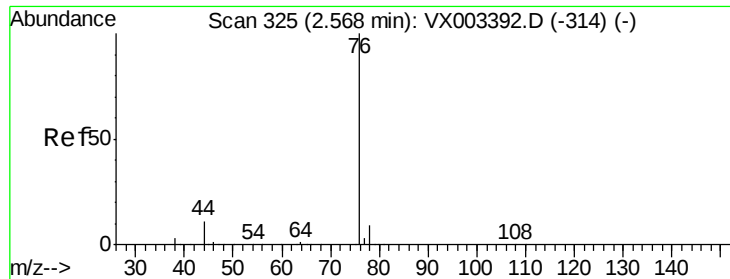
Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Tgt Ion:	43	Resp:	415388
Ion Ratio	Lower	Upper	
43	100		
58	33.0	22.1	33.1





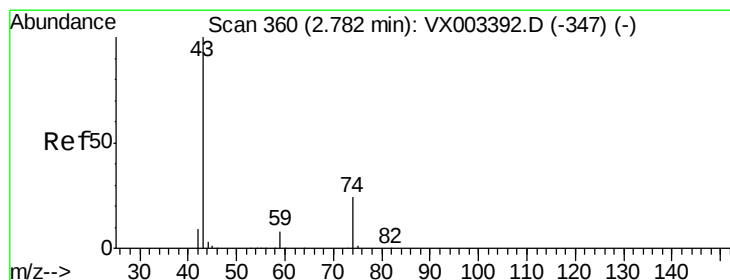
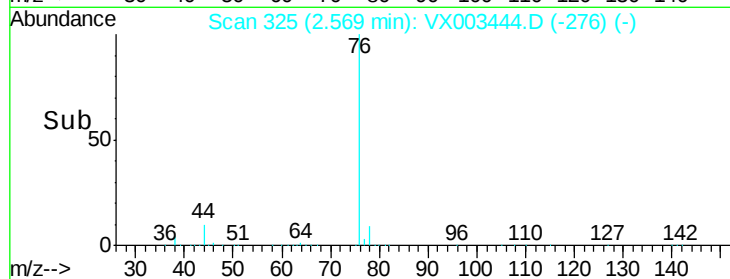
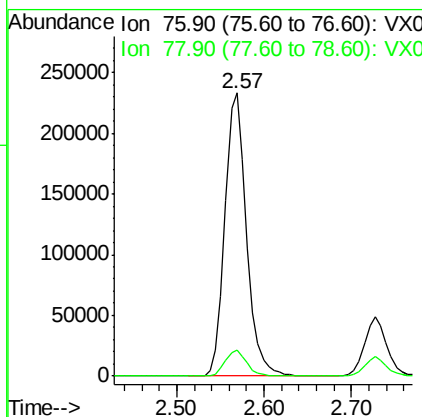
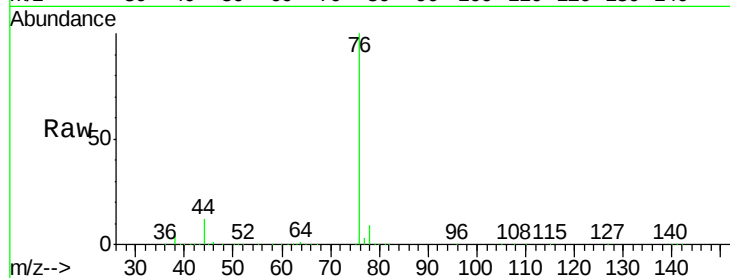
#17
Carbon Disulfide
Concen: 22.54 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

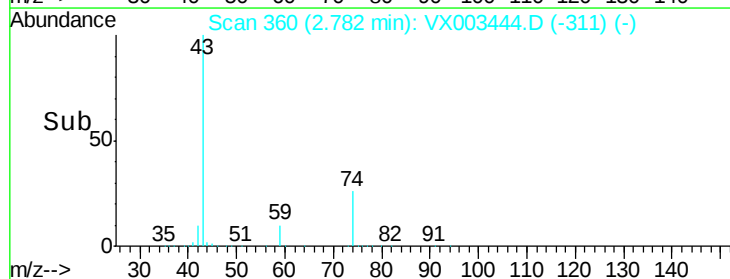
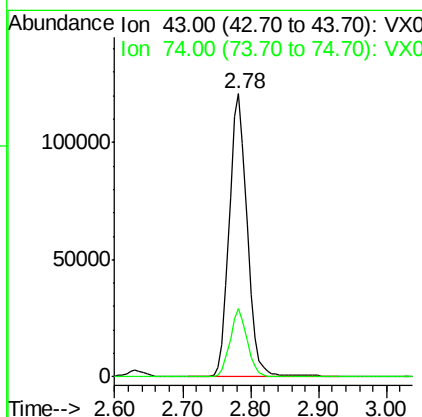
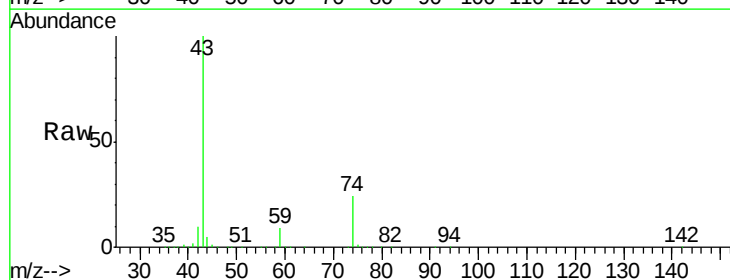
Manual Integrations
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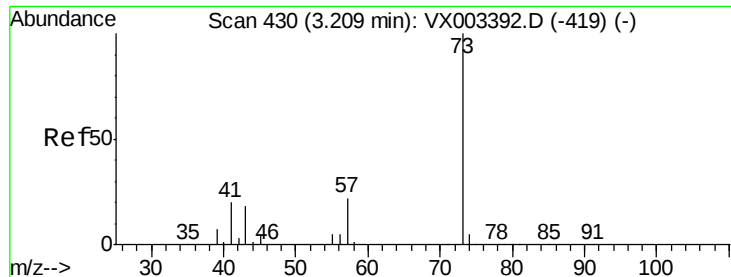
MMDadoda
7/19/2018 1:04:14 PM



#18
Methyl Acetate
Concen: 20.35 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	16.7	25.1





#19

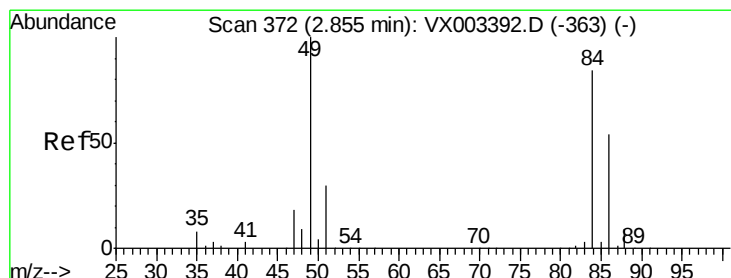
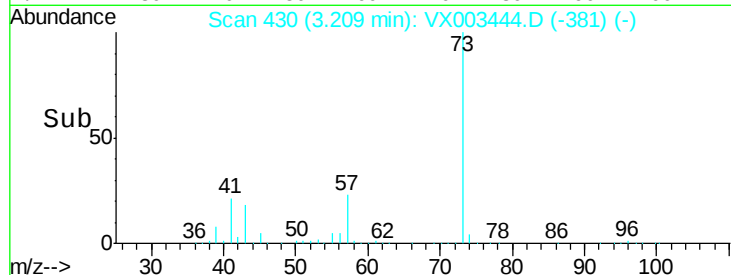
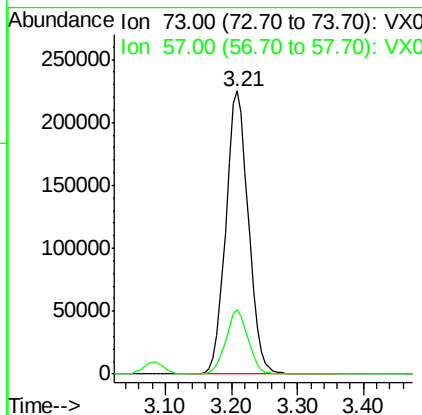
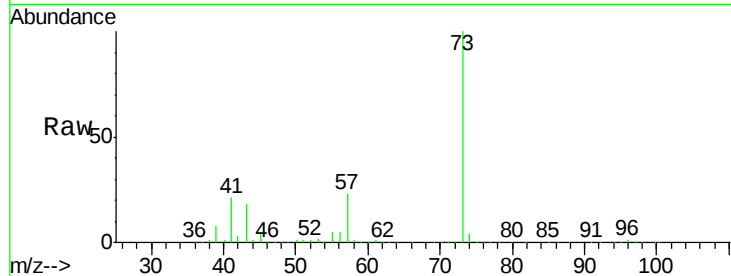
Methyl tert-butyl Ether
 Concen: 24.85 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleID :
 LF1-0034MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.7	26.5

Manual Integrations
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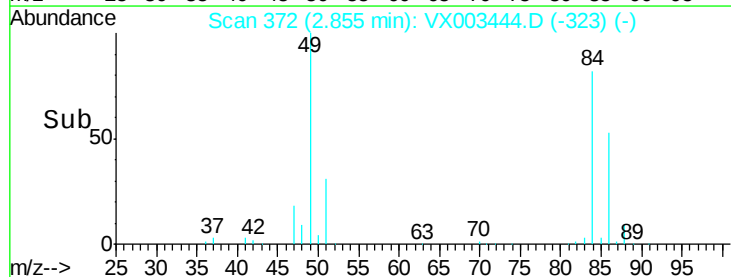
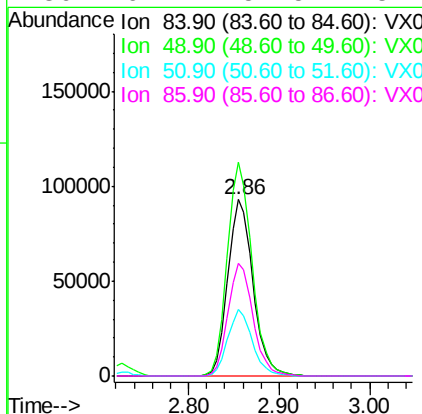
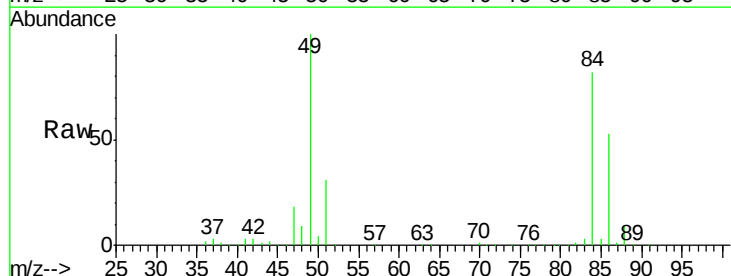
MMDadoda
 7/19/2018 1:04:14 PM

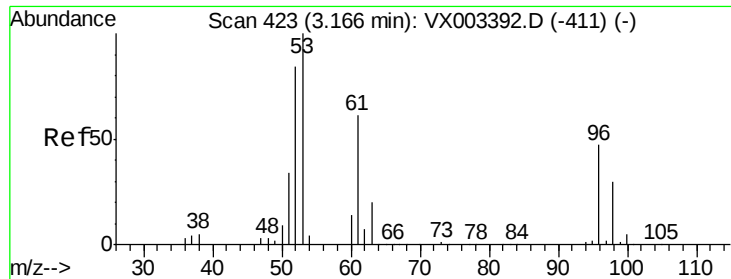


#20

Methylene Chloride
 Concen: 29.92 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.3	107.8	161.6
51	37.7	32.8	49.2
86	64.1	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 23.50 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

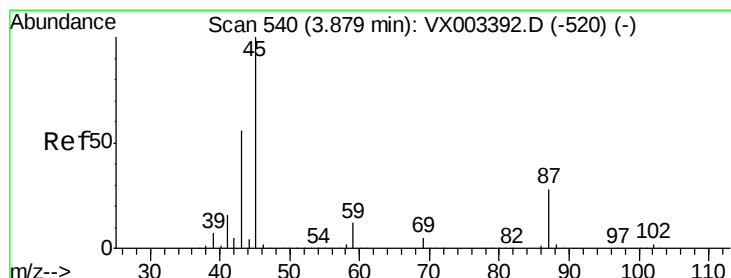
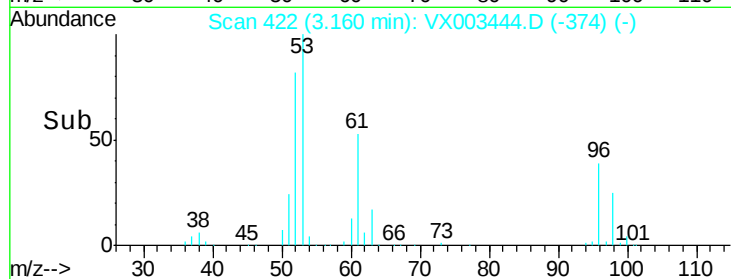
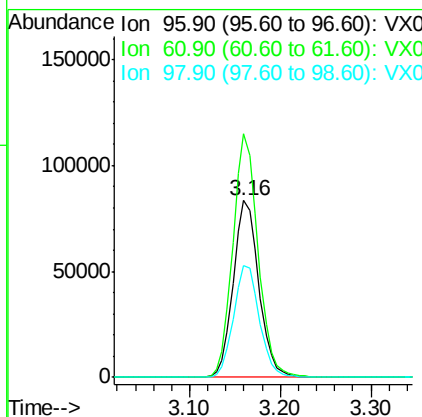
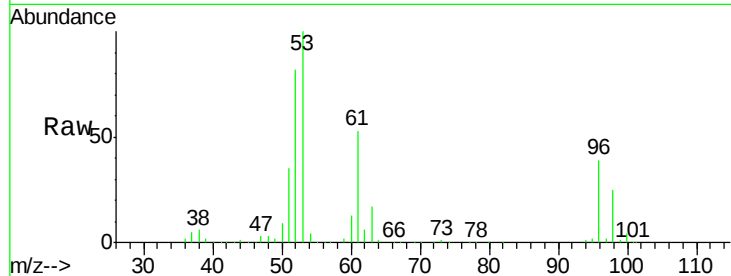
ClientSampleId :

LF1-0034MS

Tot Ion:	96	Resp:	163606
Ion	Ratio	Lower	Upper
96	100		
61	137.7	117.0	175.4
98	63.3	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.41 ug/l

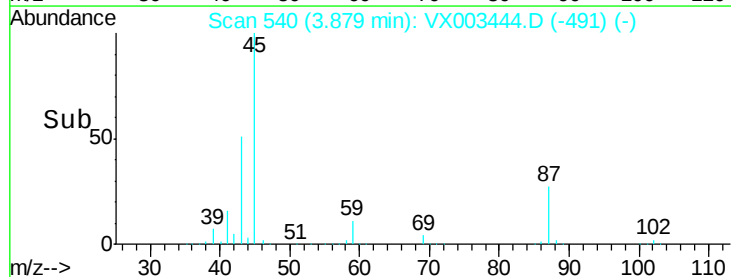
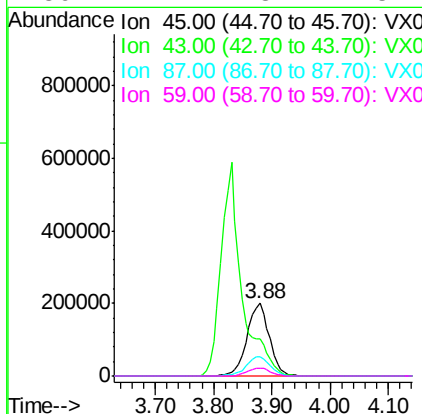
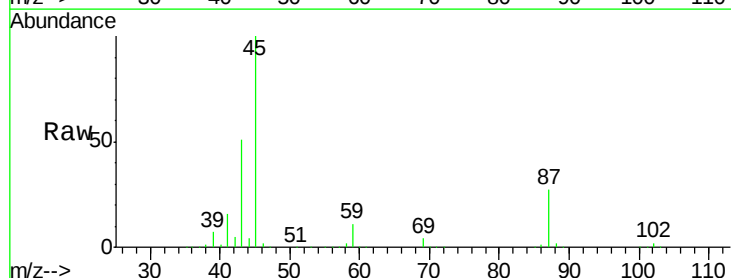
RT: 3.88 min Scan# 540

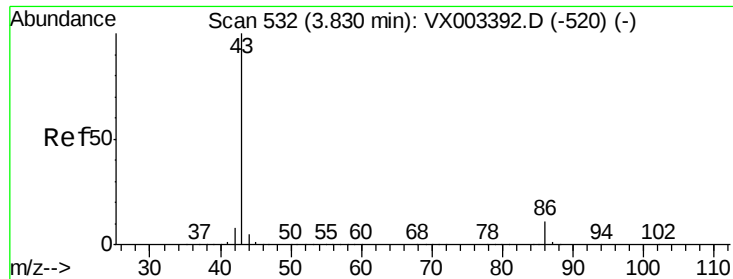
Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Tgt Ion:	45	Resp:	530842
Ion	Ratio	Lower	Upper
45	100		
43	50.8	46.8	70.2
87	26.6	20.2	30.4
59	11.1	8.7	13.1





#23

Vinyl Acetate

Concen: 77.77 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tot Ion: 43 Resp: 1454489

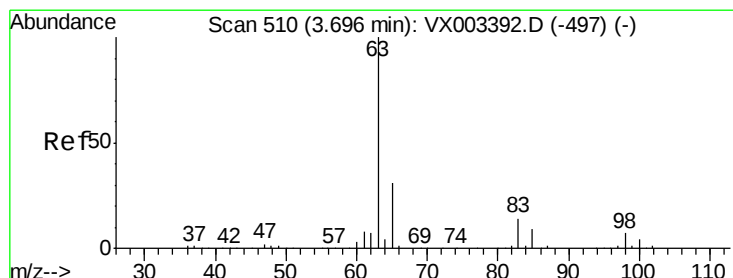
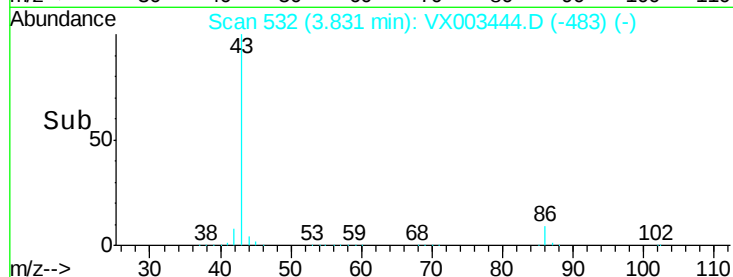
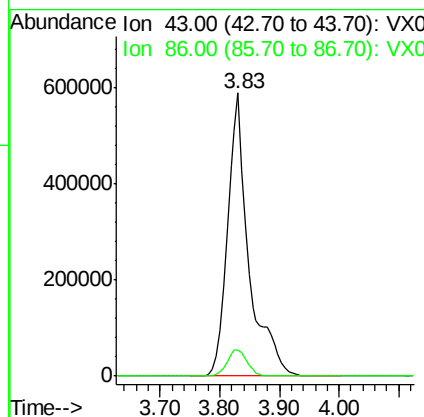
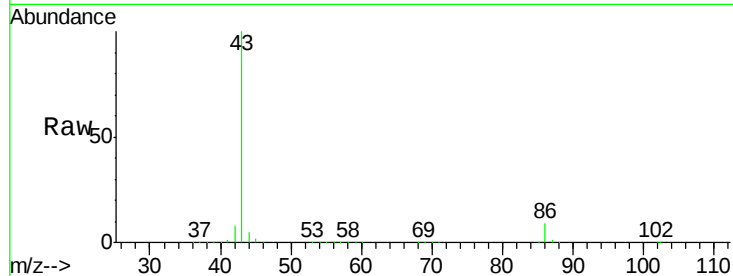
Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 24.49 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

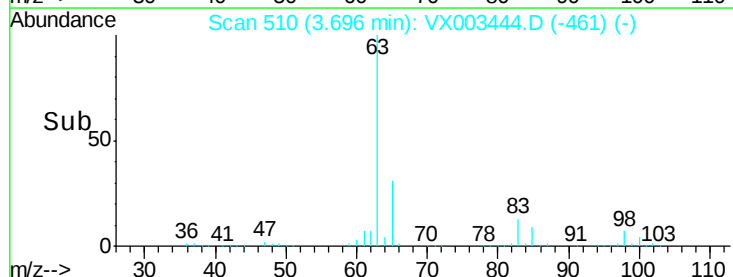
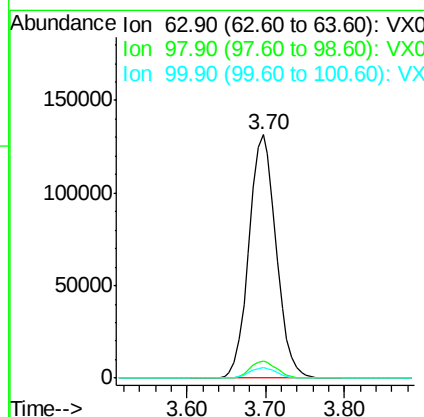
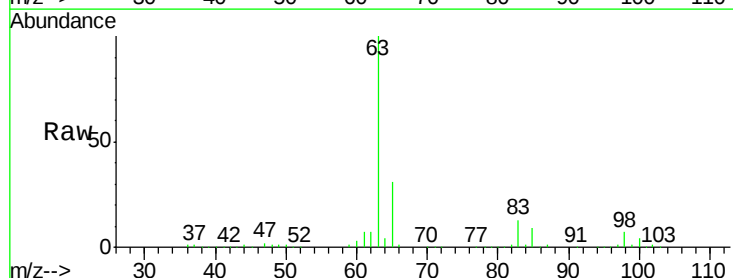
Tgt Ion: 63 Resp: 315013

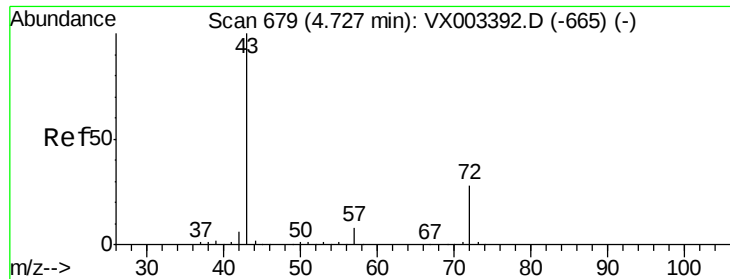
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 122.18 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

Tot Ion: 43 Resp: 636807

Ion Ratio Lower Upper

43 100

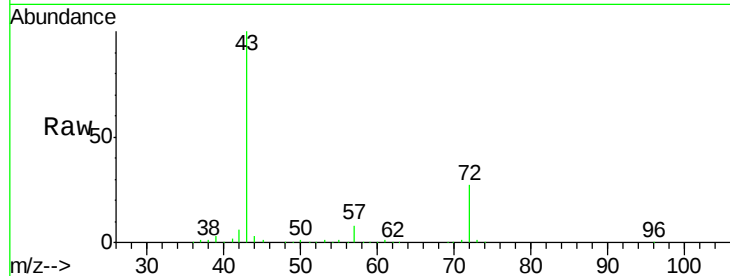
72 26.9 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

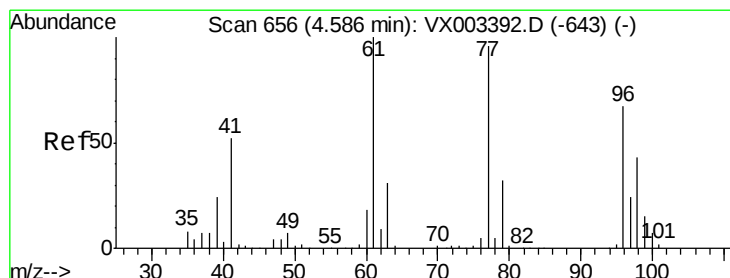
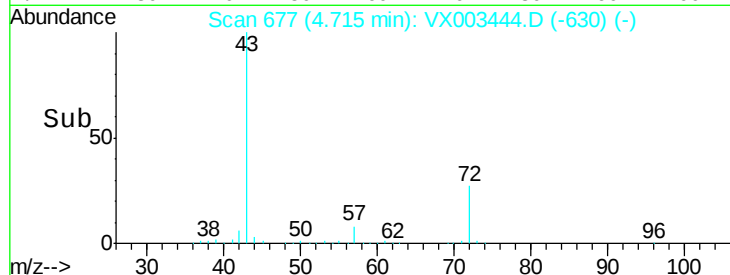
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 10.01 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003444.D

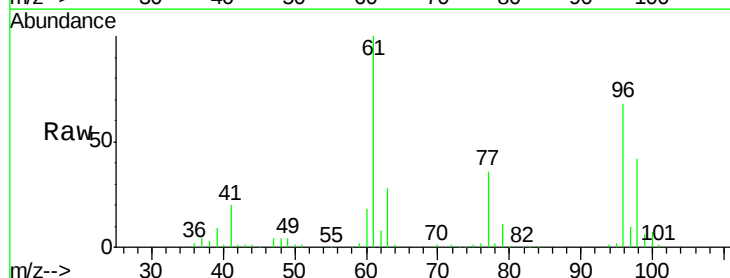
Acq: 18 Jul 2018 13:48

Tgt Ion: 77 Resp: 90355

Ion Ratio Lower Upper

77 100

97 28.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

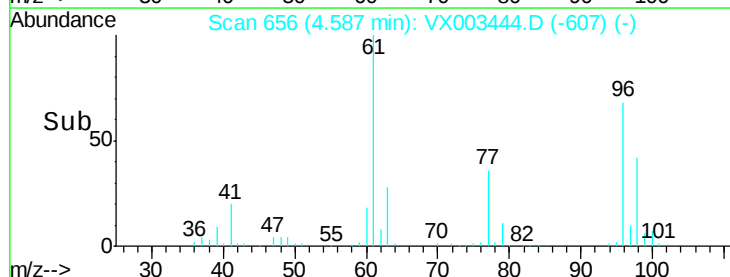
20000

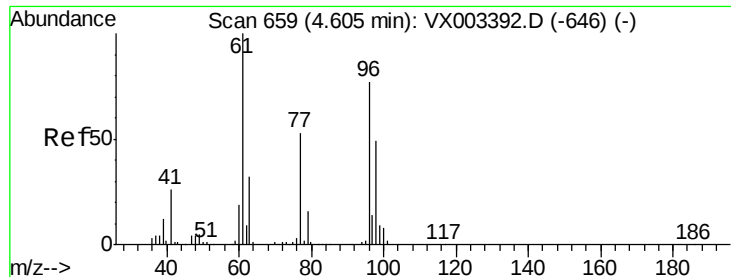
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

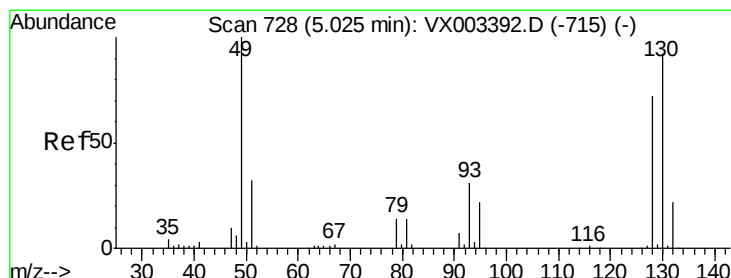
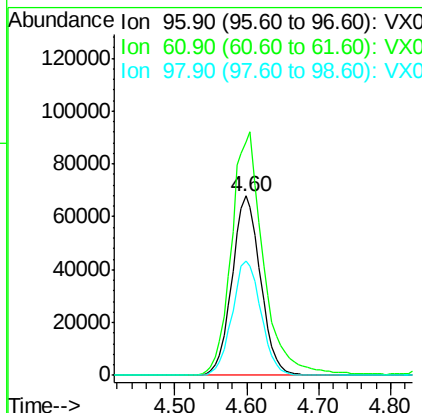
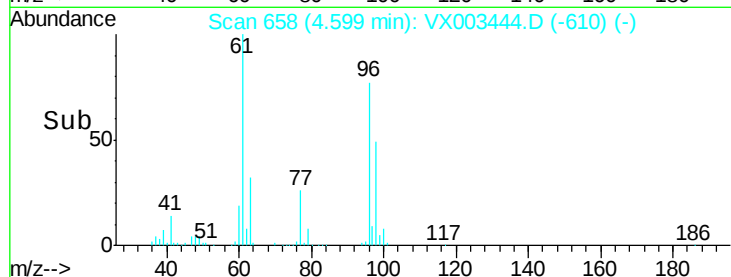
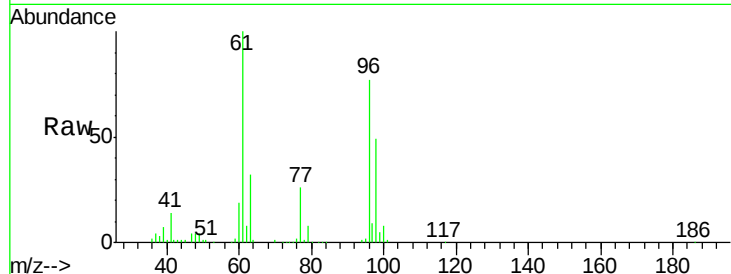
cis-1,2-Dichloroethene
 Concen: 24.84 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	186045		
61	153.9	0.0	330.2	
98	64.5	0.0	130.2	

Manual Integrations
 APPROVED

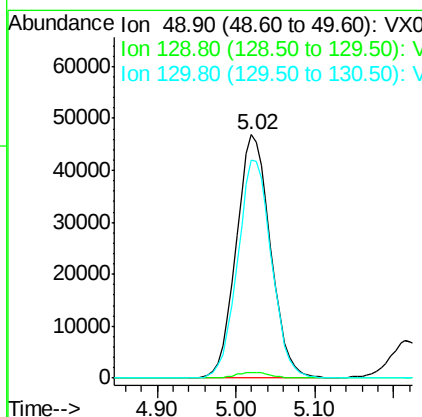
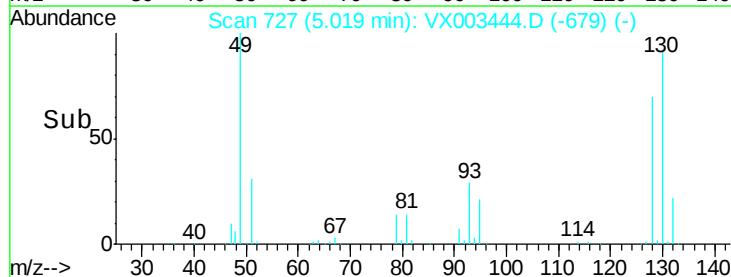
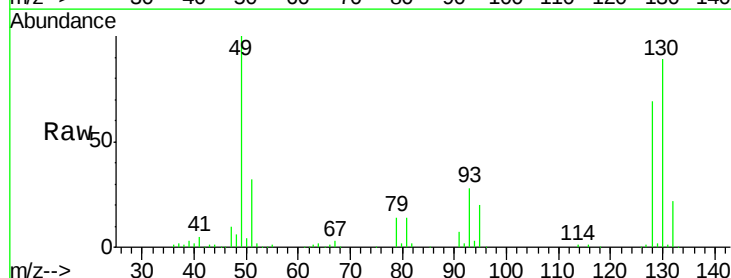
MMDadoda
 7/19/2018 1:04:14 PM

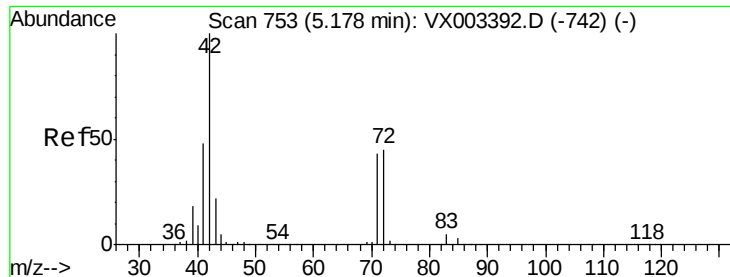


#28

Bromochloromethane
 Concen: 25.37 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	141716		
129	2.3	0.0	4.2	
130	88.6	61.2	91.8	





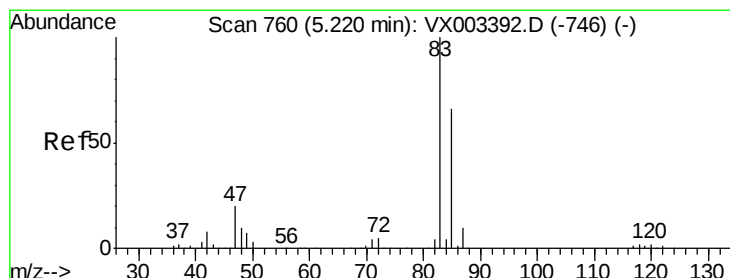
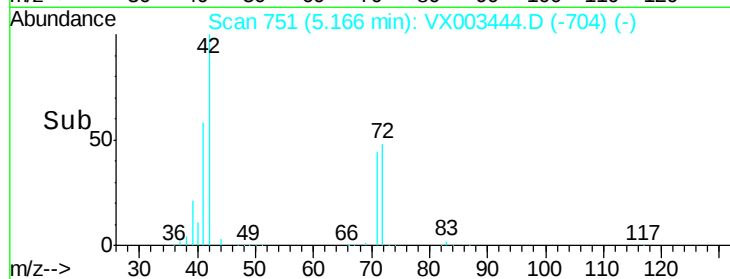
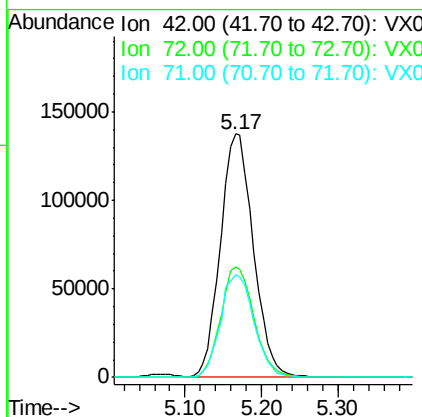
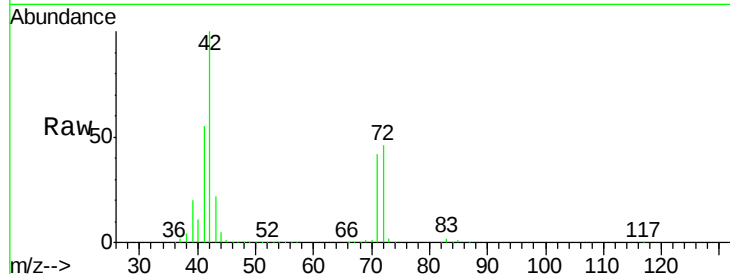
#29
Tetrahydrofuran
Concen: 123.80 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	32.0	48.0
71	43.2	30.1	45.1

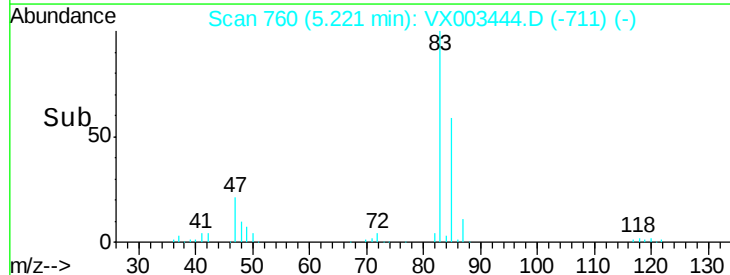
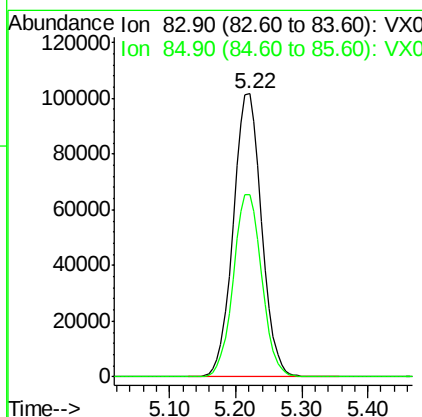
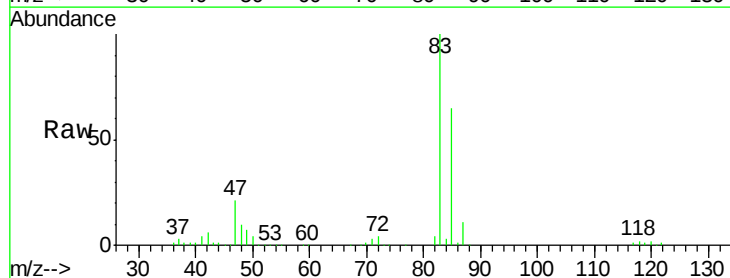
Manual Integrations
APPROVED

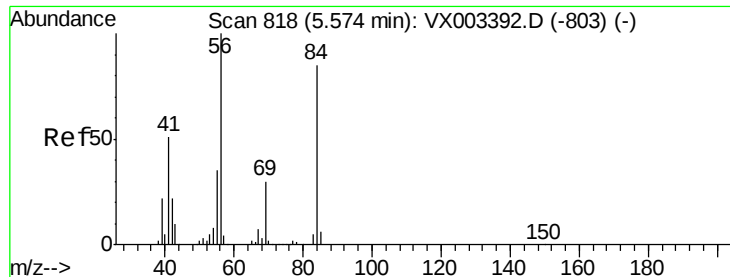
MMDadoda
7/19/2018 1:04:14 PM



#30
Chloroform
Concen: 25.48 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.4	75.6





#31

Cyclohexane

Concen: 25.27 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

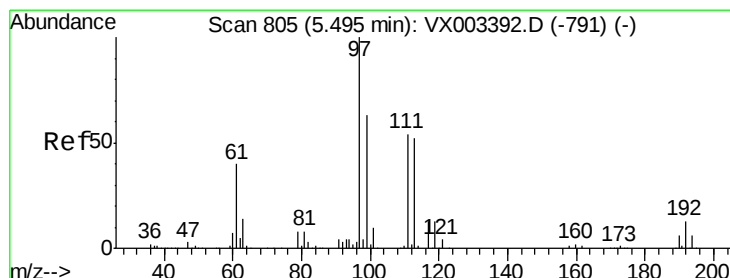
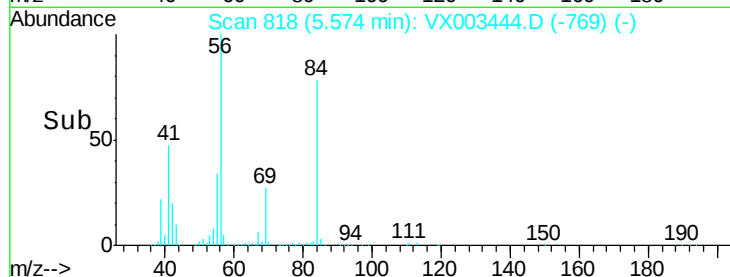
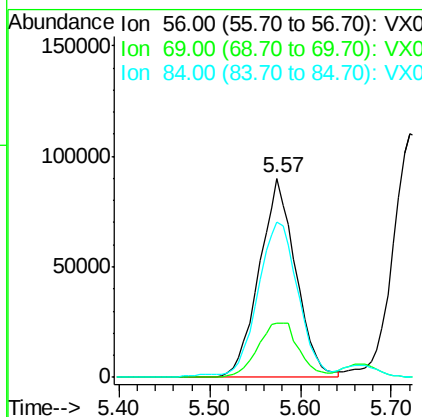
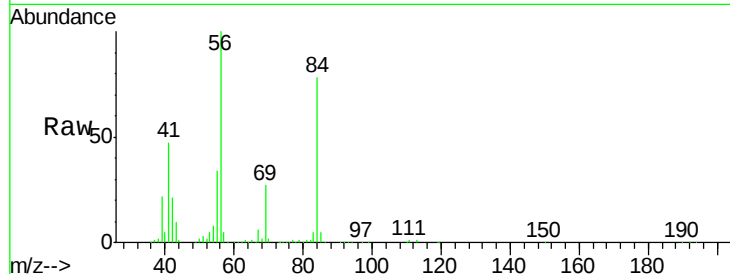
ClientSampleId :

LF1-0034MS

Tot Ion:	56	Resp:	251058
Ion	Ratio	Lower	Upper
56	100		
69	27.5	23.7	35.5
84	77.0	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 25.54 ug/l

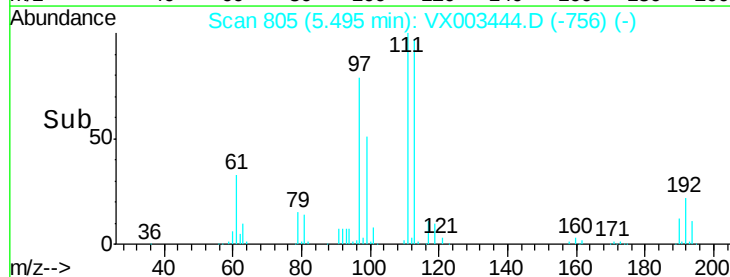
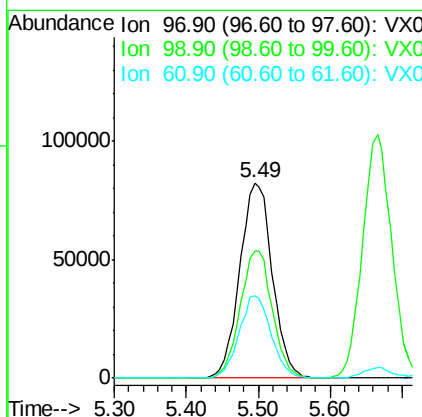
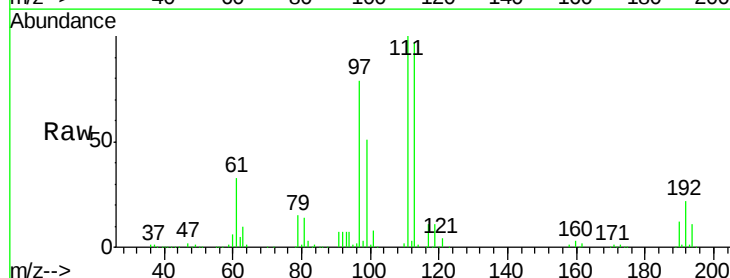
RT: 5.49 min Scan# 805

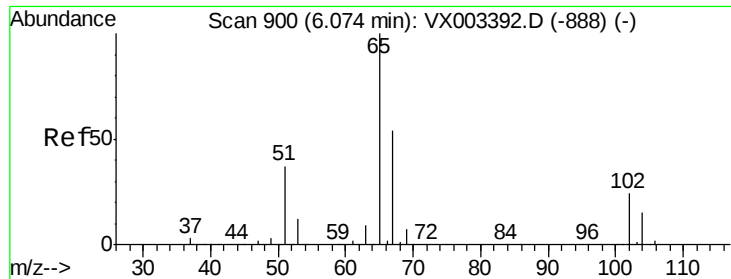
Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Tgt Ion:	97	Resp:	257453
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	41.7	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 47.01 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Tot Ion: 65 Resp: 376368

Ion Ratio Lower Upper

65 100

67 55.1 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

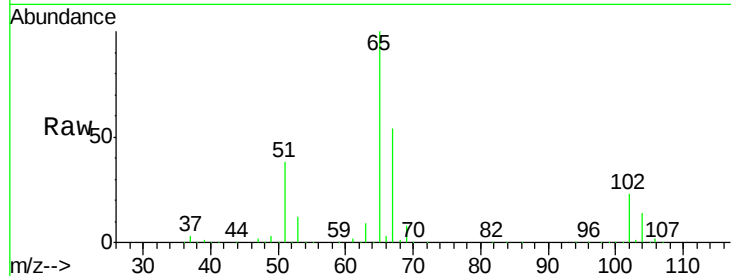
LF1-0034MS

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

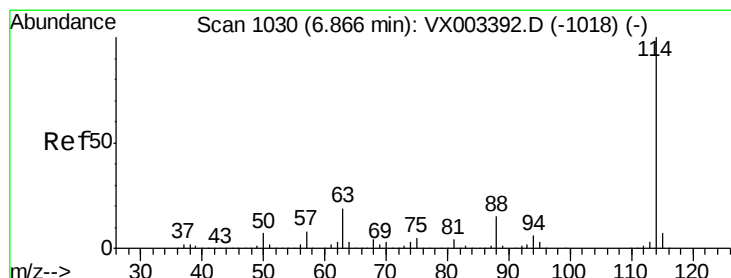
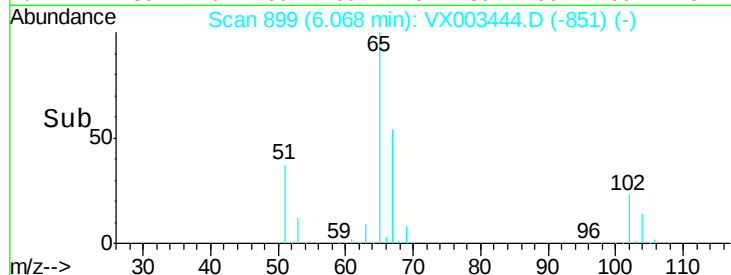
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

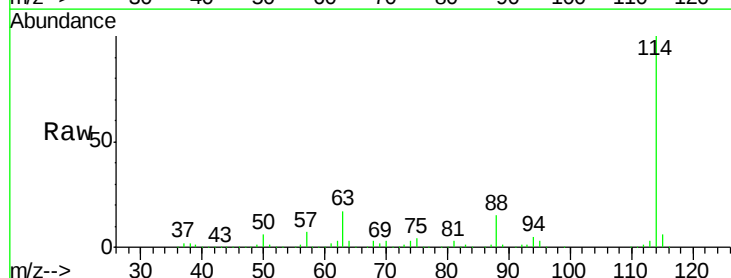
Tgt Ion:114 Resp: 932689

Ion Ratio Lower Upper

114 100

63 17.4 0.0 41.4

88 14.9 0.0 30.0



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

6.87

500000

400000

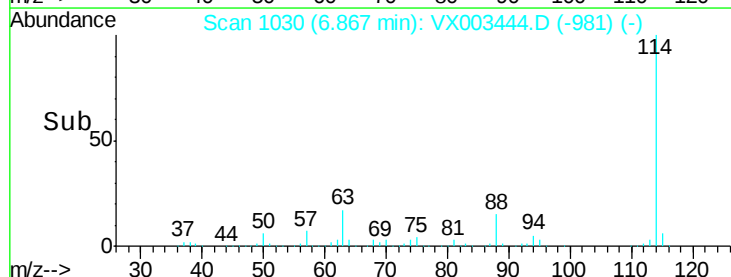
300000

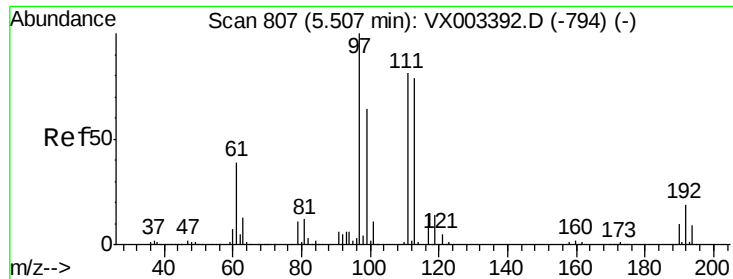
200000

100000

0

Time-->





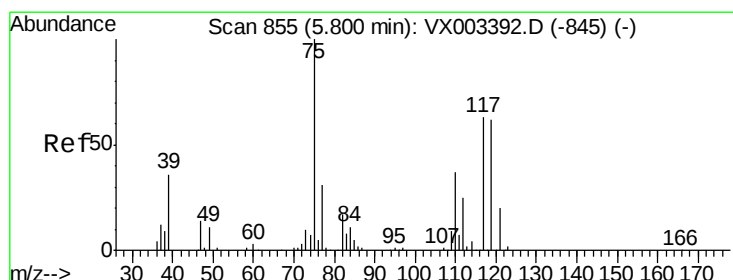
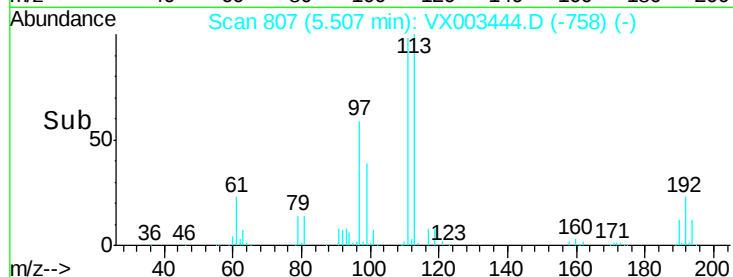
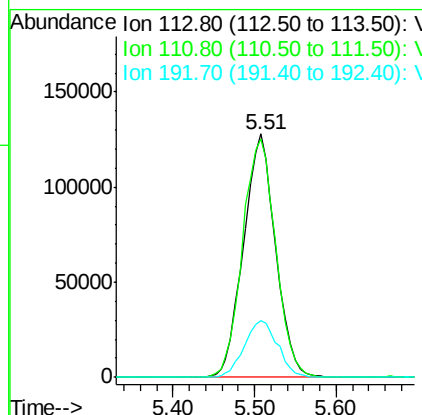
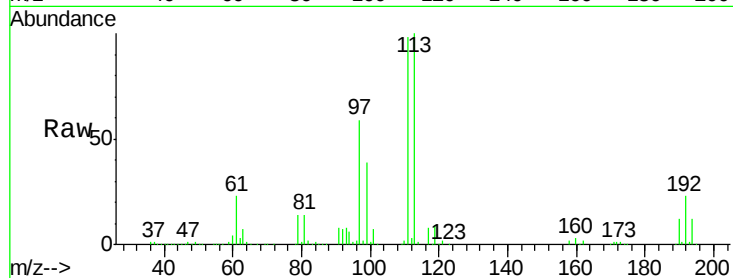
#35
Dibromofluoromethane
Concen: 46.21 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	348753		
111	101.8	81.4	122.0	
192	24.4	19.1	28.7	

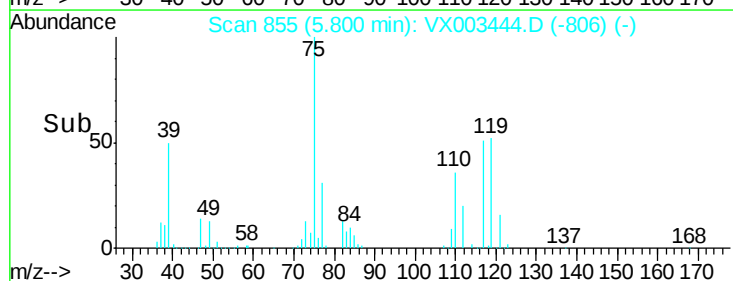
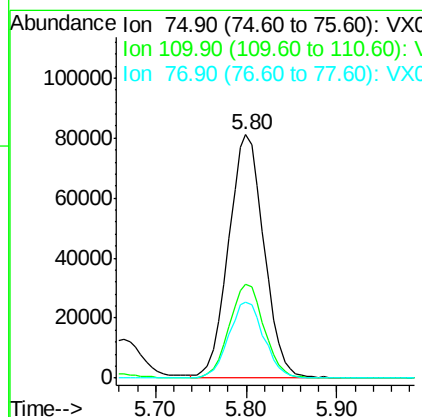
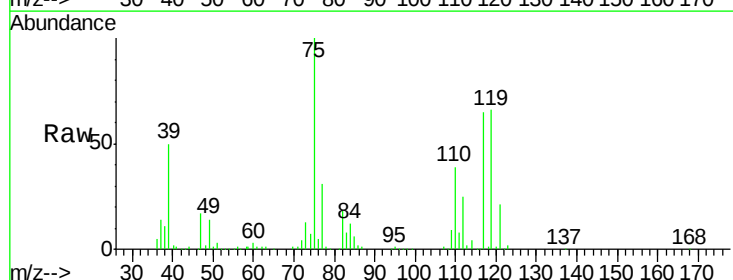
Manual Integrations
APPROVED

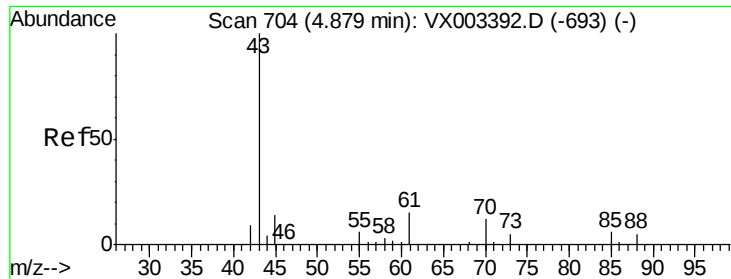
MMDadoda
7/19/2018 1:04:14 PM



#36
1,1-Dichloropropene
Concen: 23.15 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	218639		
110	38.4	18.1	54.4	
77	31.1	24.3	36.5	





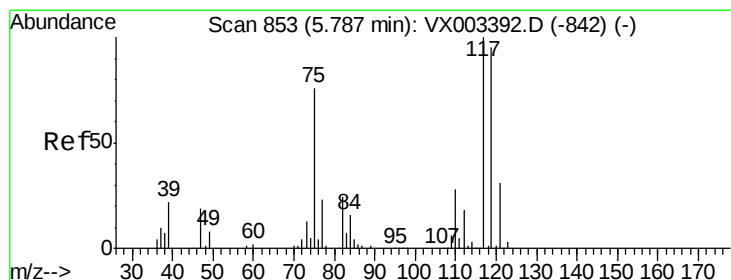
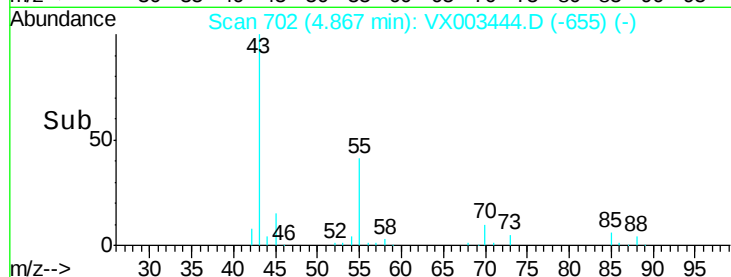
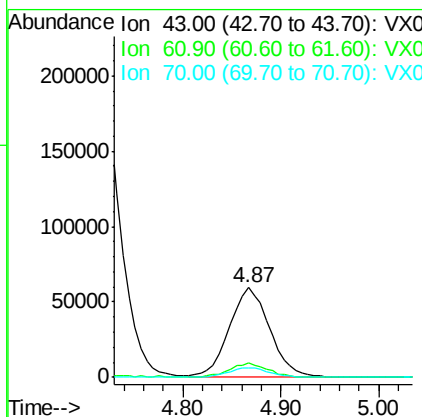
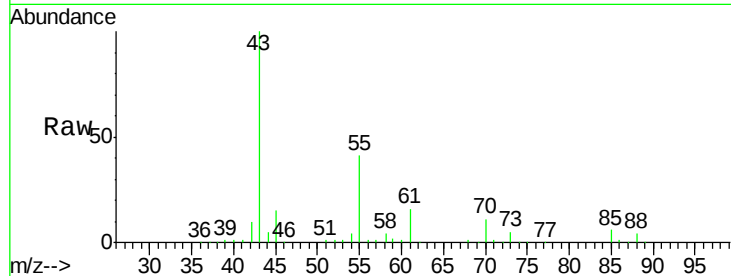
#37
Ethyl Acetate
Concen: 15.79 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.4	15.6
70	11.3	7.6	11.4

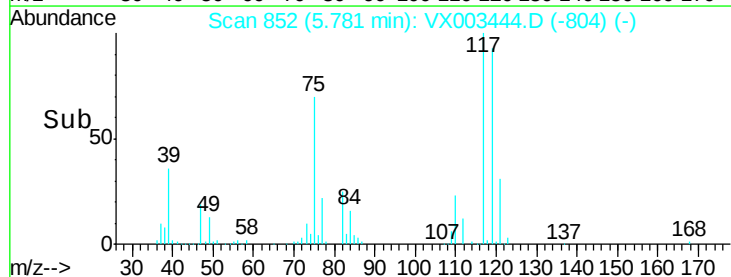
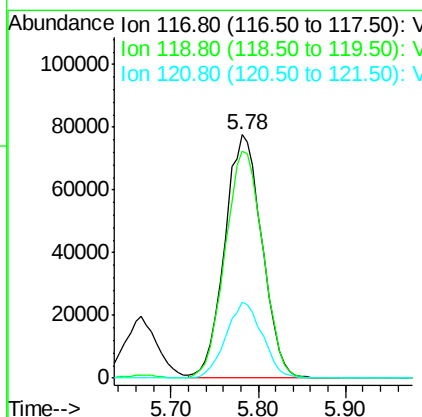
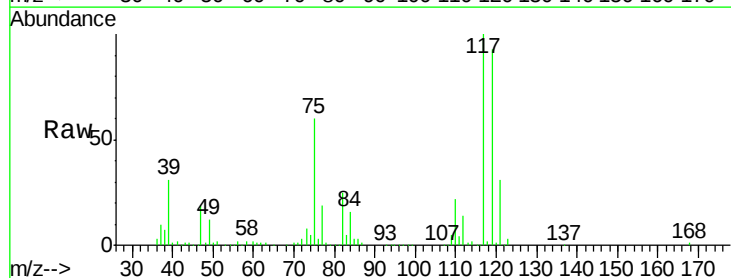
Manual Integrations
APPROVED

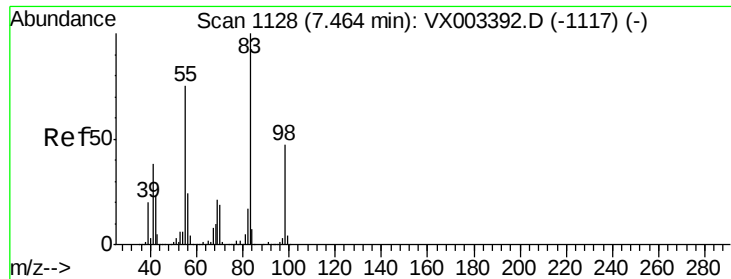
MMDadoda
7/19/2018 1:04:14 PM



#38
Carbon Tetrachloride
Concen: 23.82 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.4	116.0
121	31.0	24.4	36.6





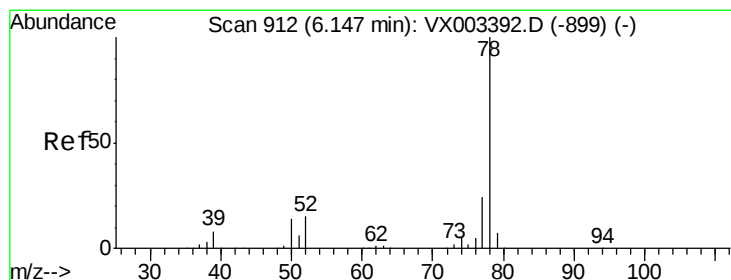
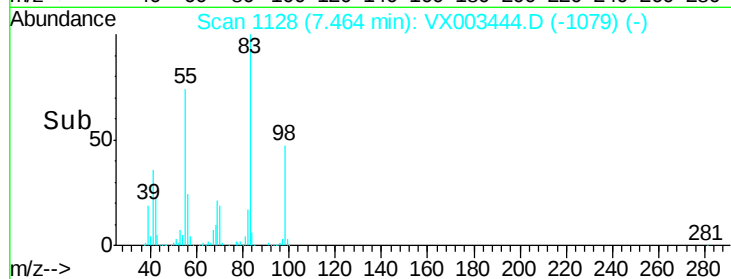
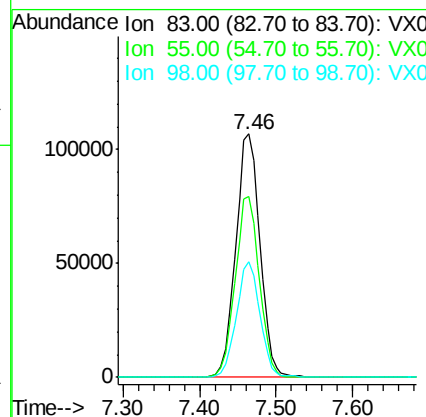
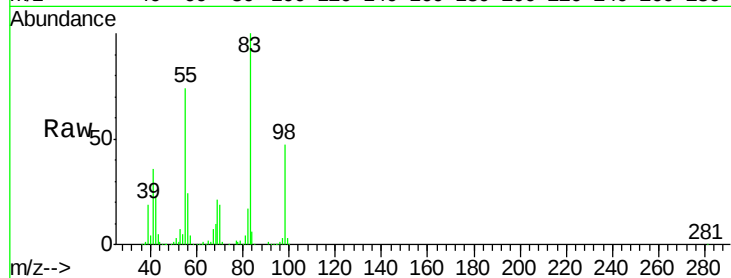
#39
Methvlcvclohexane
Concen: 21.59 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	233399		
55	74.0		65.4	98.0
98	47.5		37.4	56.0

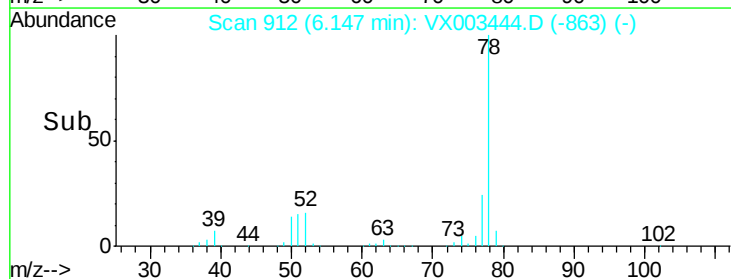
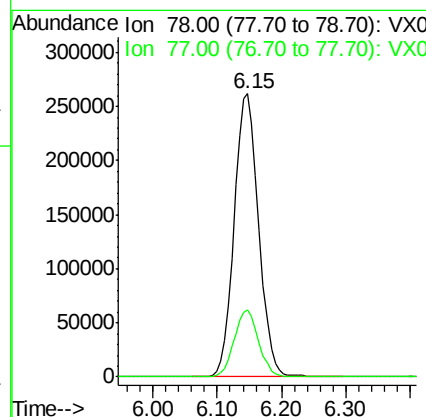
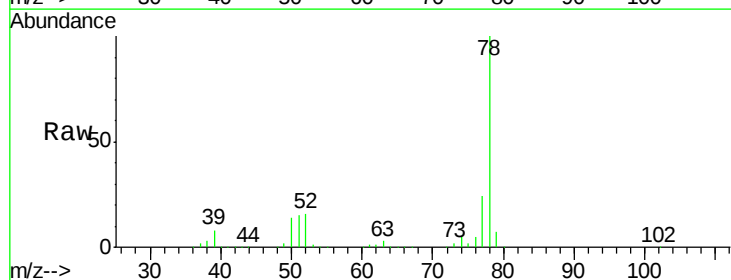
Manual Integrations
APPROVED

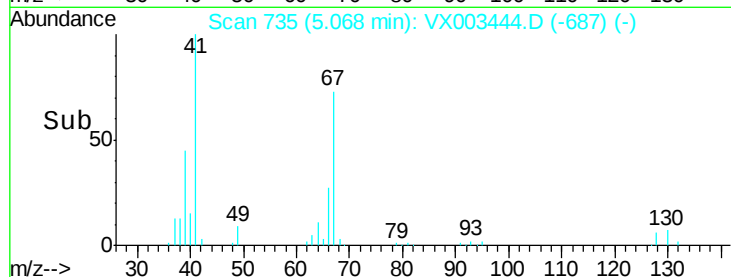
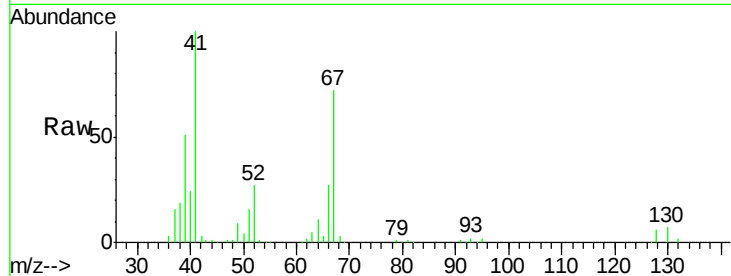
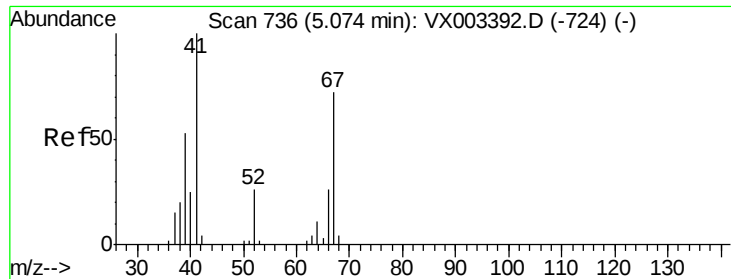
MMDadoda
7/19/2018 1:04:14 PM



#40
Benzene
Concen: 24.21 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	695777		
77	23.9		19.1	28.7





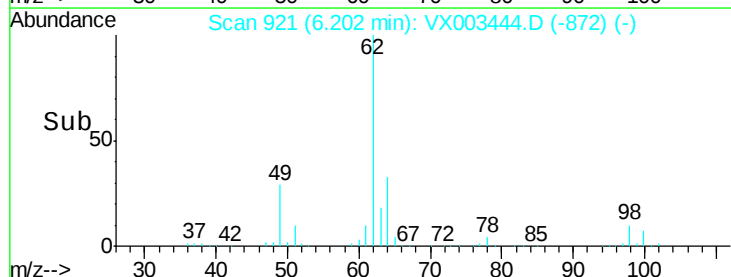
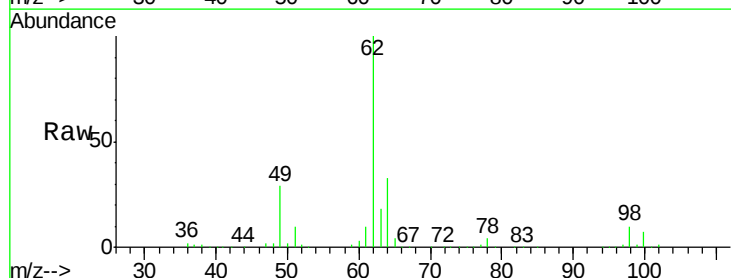
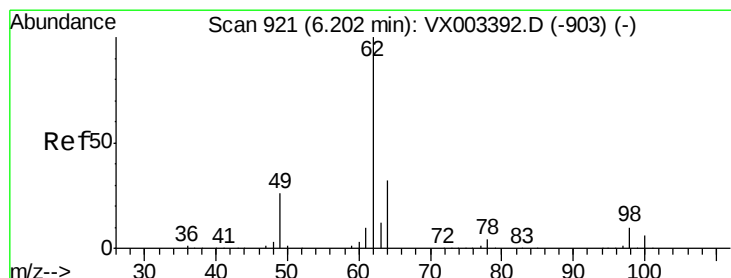
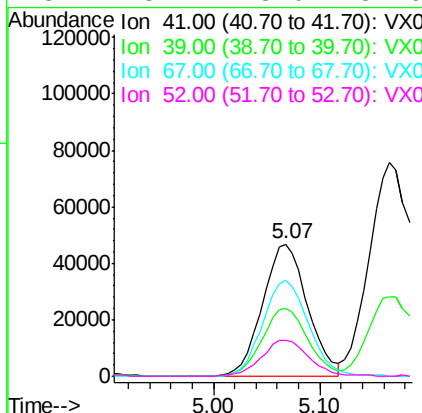
#41
Methacrylonitrile
Concen: 23.47 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.8	45.8	68.6
67	74.2	51.3	76.9
52	28.4	23.0	34.6

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

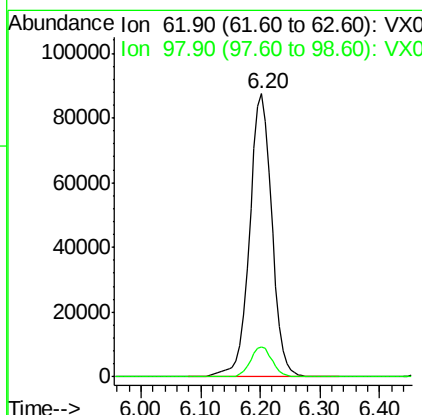
Manual Integrations
APPROVED

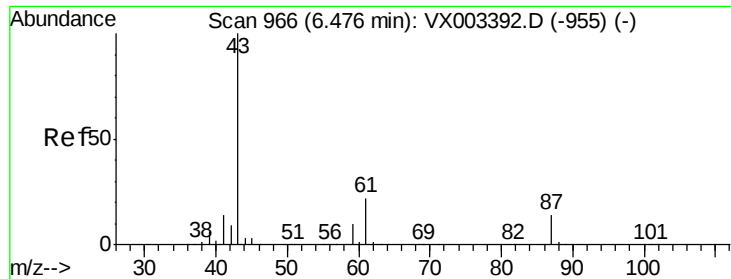
MMDadoda
7/19/2018 1:04:14 PM



#42
1,2-Dichloroethane
Concen: 23.07 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	16.6





#43

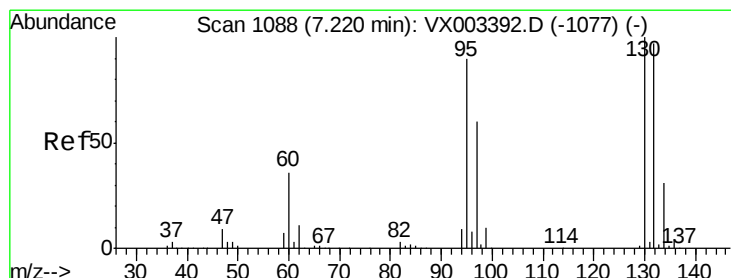
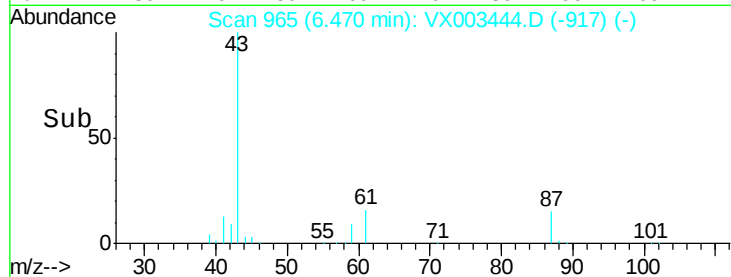
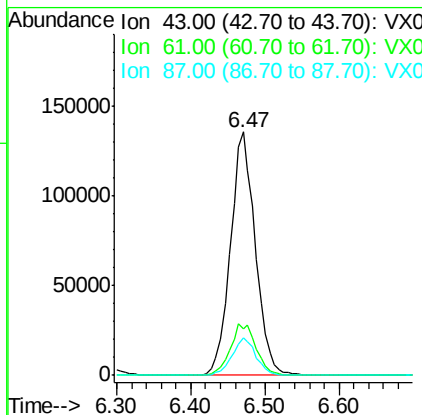
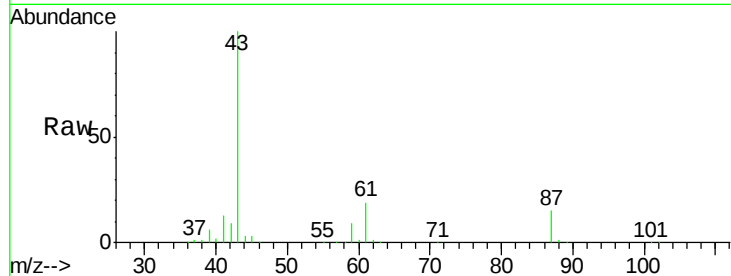
Isopropyl Acetate
 Concen: 19.65 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	14.4	21.6#
87	15.1	9.5	14.3#

Manual Integrations
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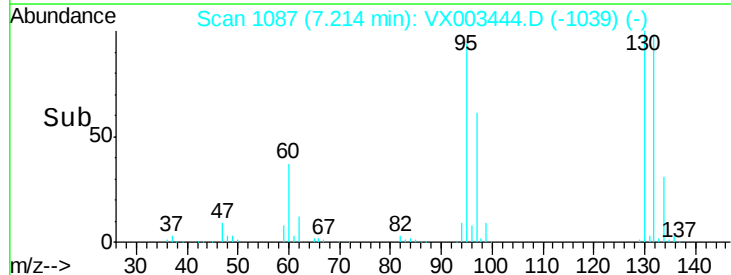
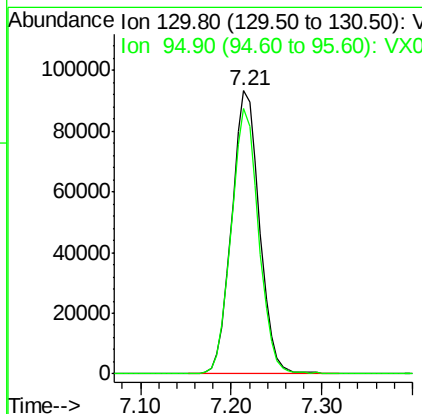
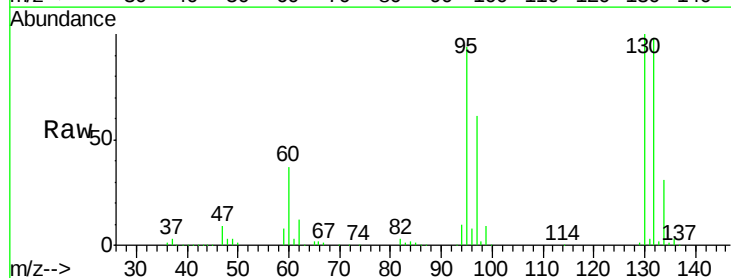
MMDadoda
 7/19/2018 1:04:14 PM

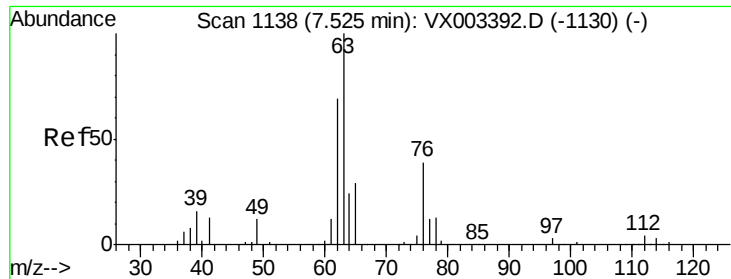


#44

Trichloroethene
 Concen: 23.85 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	185.4





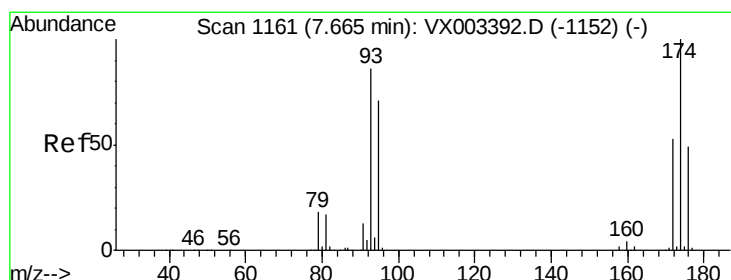
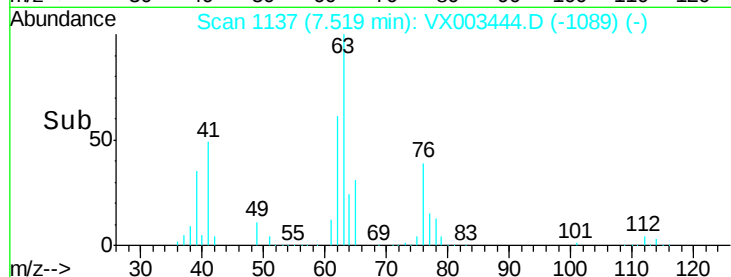
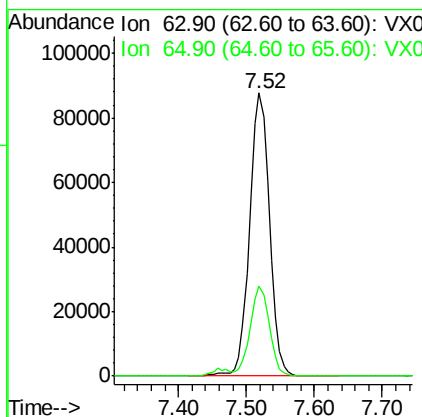
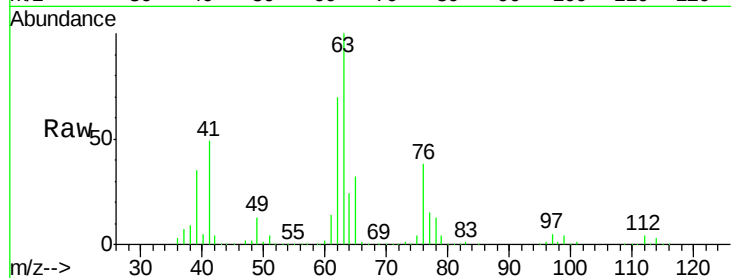
#45
 1,2-Dichloropropane
 Concen: 24.01 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.7	37.1

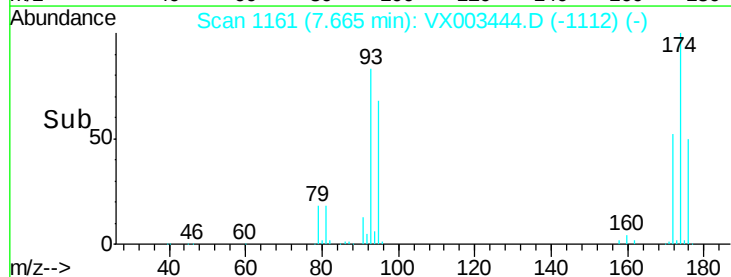
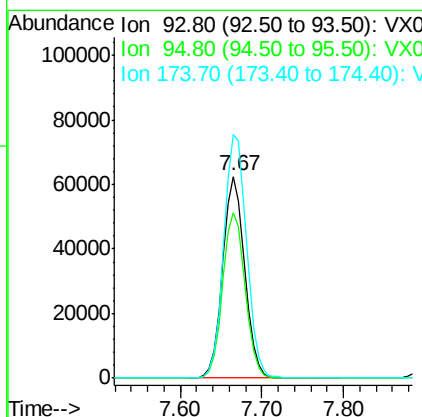
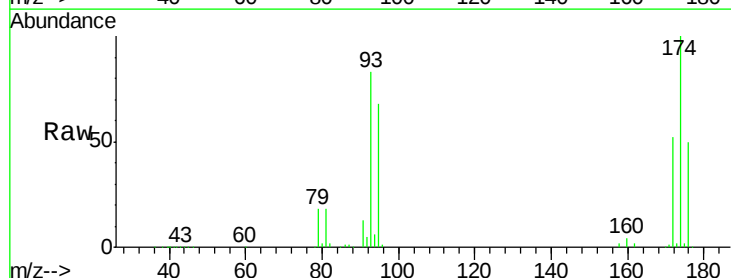
Manual Integrations
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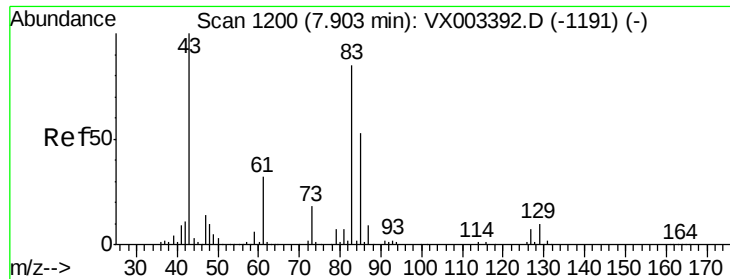
MMDadoda
 7/19/2018 1:04:14 PM



#46
 Dibromomethane
 Concen: 23.39 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.9	98.9
174	124.7	92.4	138.6





#47

Bromodichloromethane

Concen: 24.18 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

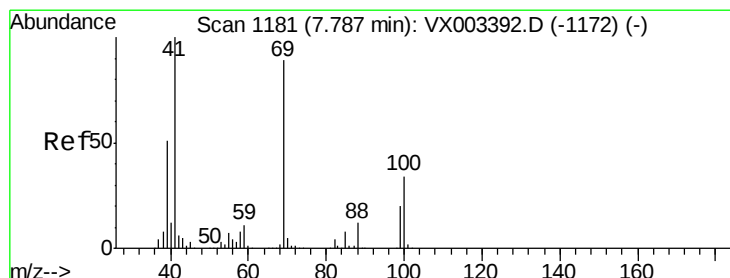
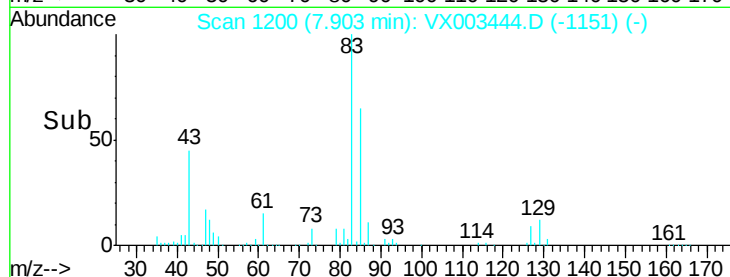
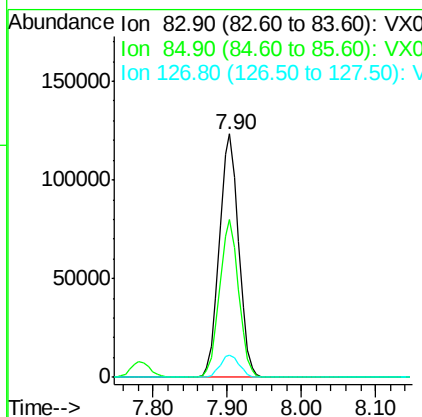
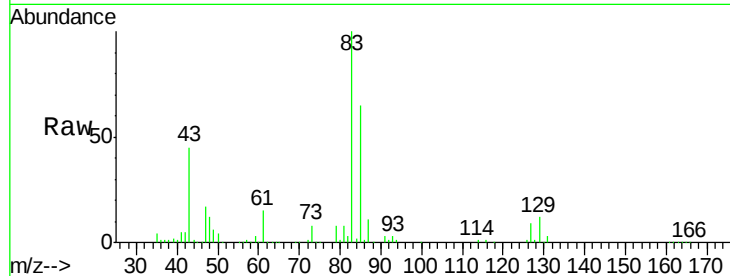
ClientSampleId :

LF1-0034MS

Tot Ion:	83	Resp:	220372
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.3	75.5
127	9.3	7.0	10.4

Manual Integrations
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7/19/2018 1:04:14 PM



#48

Methyl methacrylate

Concen: 24.03 ug/l

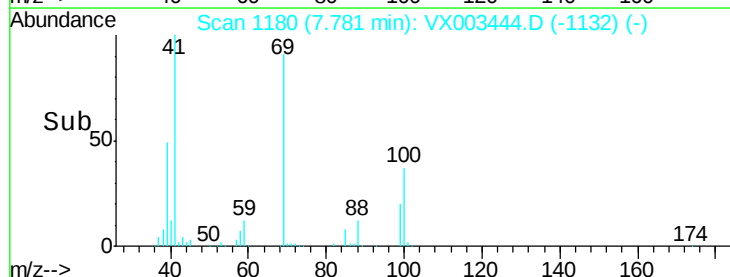
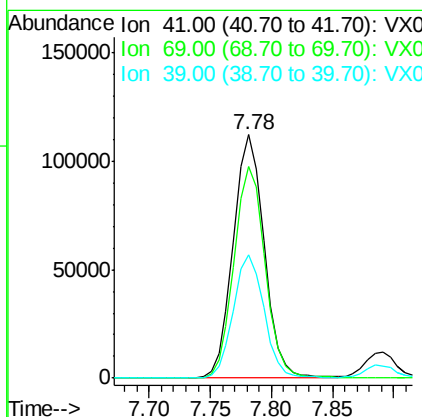
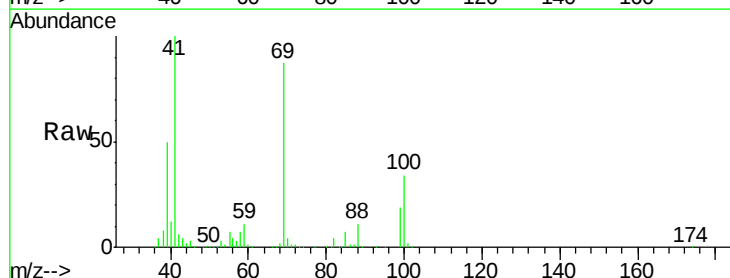
RT: 7.78 min Scan# 1180

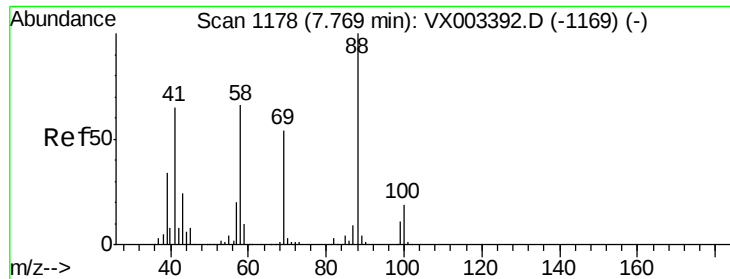
Delta R.T. -0.01 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Tgt Ion:	41	Resp:	196946
Ion Ratio	Lower	Upper	
41	100		
69	87.6	59.1	88.7
39	50.3	48.9	73.3





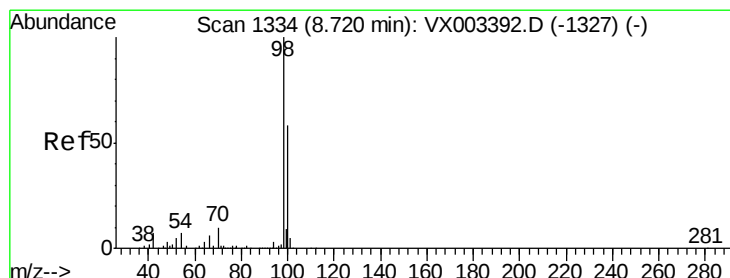
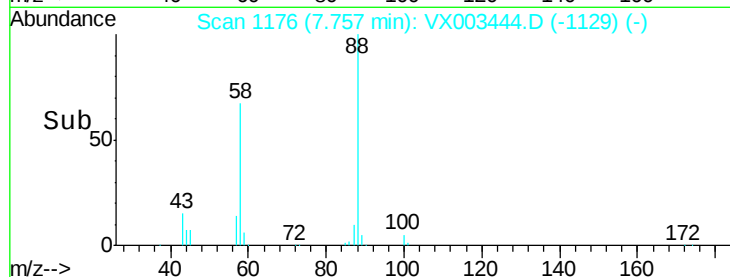
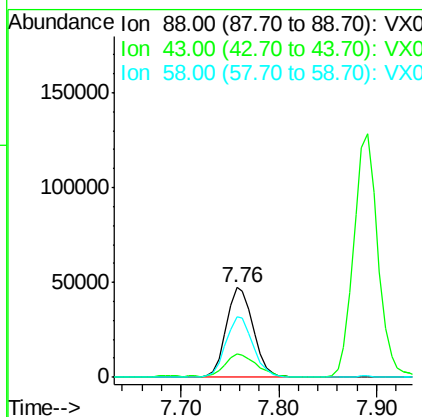
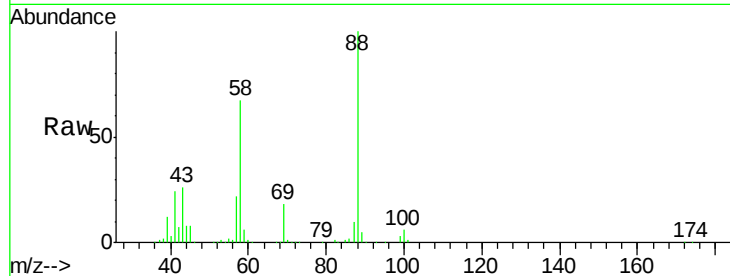
#49
1,4-Dioxane
Concen: 485.20 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tot Ion	88	Resp	91040
Ion	Ratio	Lower	Upper
88	100		
43	28.9	29.8	44.6#
58	68.1	57.1	85.7

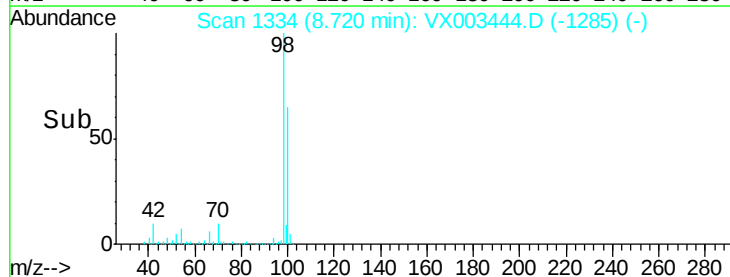
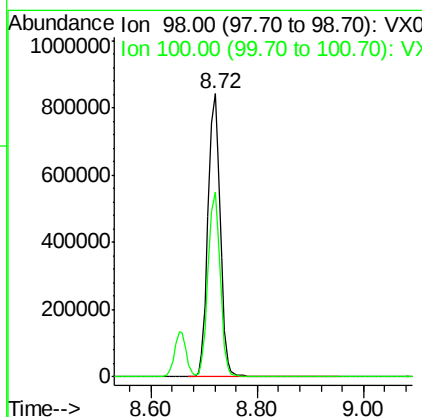
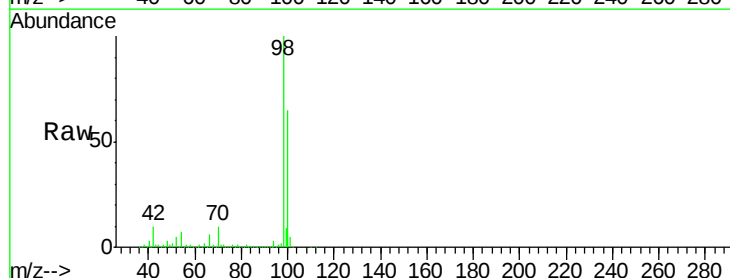
Manual Integrations
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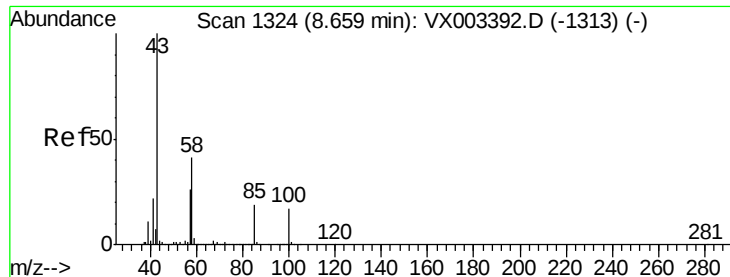
MMDadoda
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#50
Toluene-d8
Concen: 47.63 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion	98	Resp	1326444
Ion	Ratio	Lower	Upper
98	100		
100	65.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 117.83 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tot Ion: 43 Resp: 1245939

Ion Ratio Lower Upper

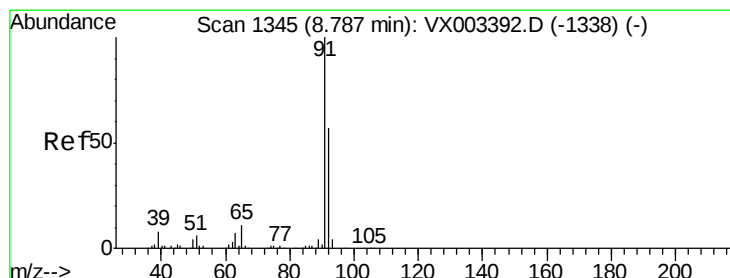
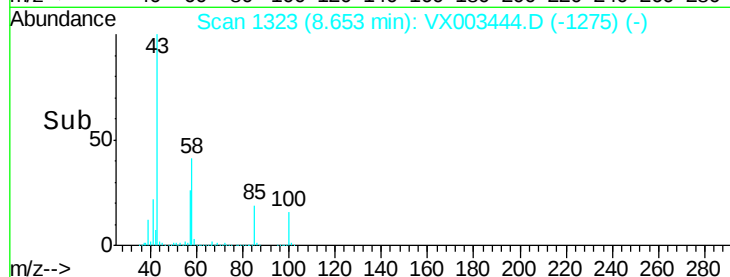
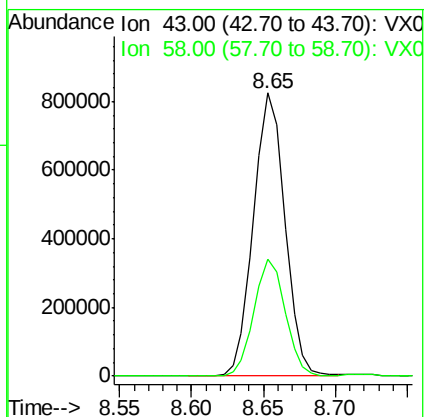
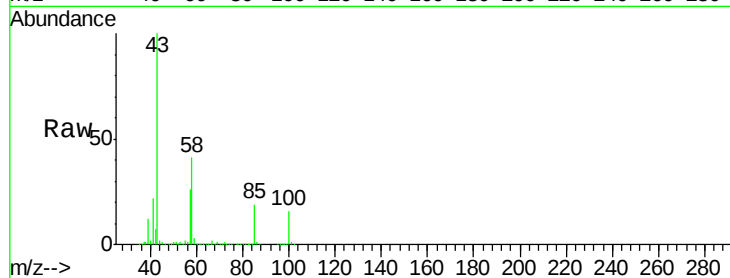
43 100

58 41.1 28.6 42.8

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#52

Toluene

Concen: 24.24 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003444.D

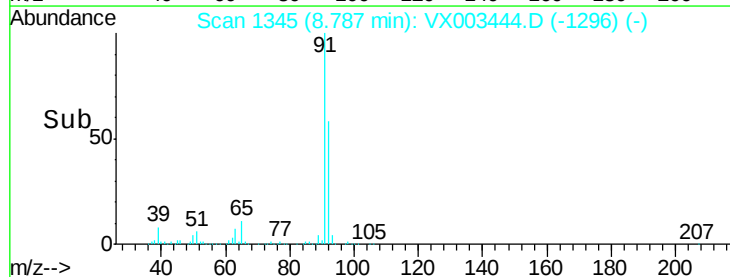
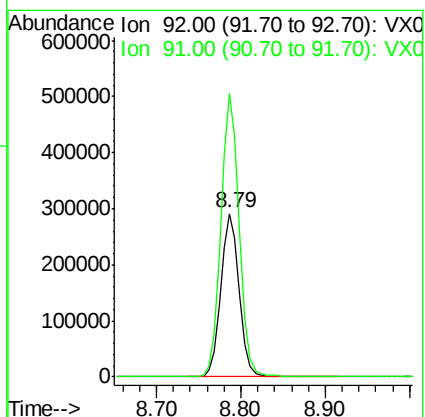
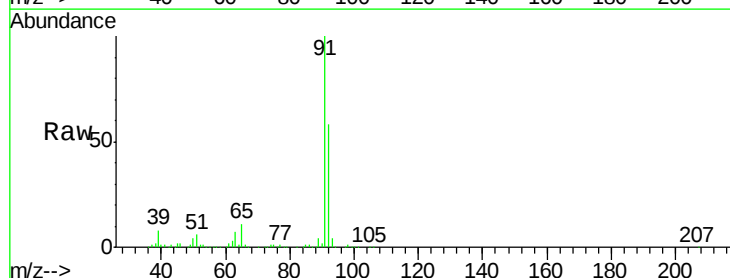
Acq: 18 Jul 2018 13:48

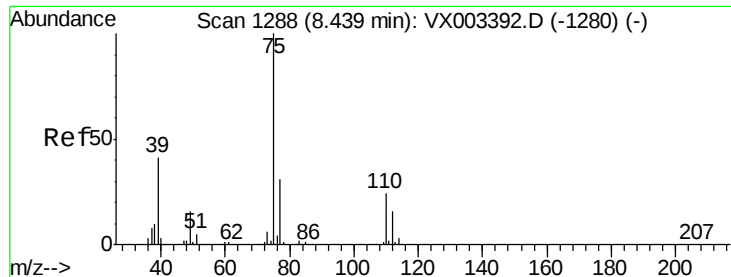
Tgt Ion: 92 Resp: 436205

Ion Ratio Lower Upper

92 100

91 173.6 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 21.95 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tot Ion: 75 Resp: 236260

Ion Ratio Lower Upper

75 100

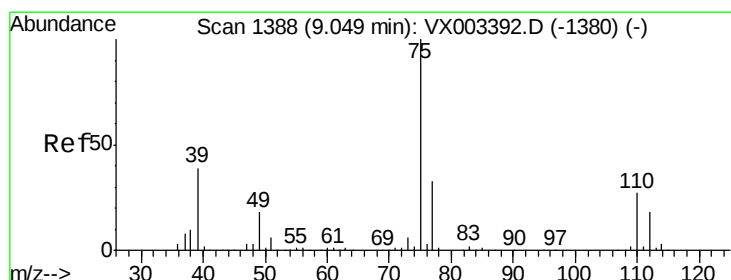
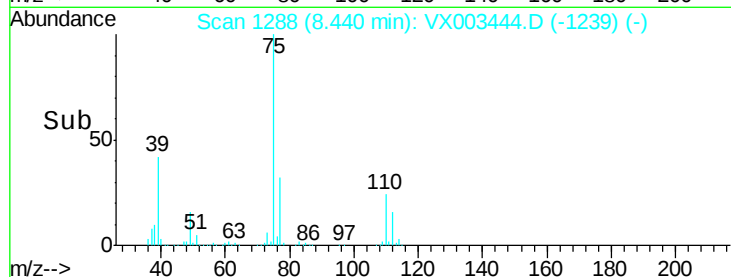
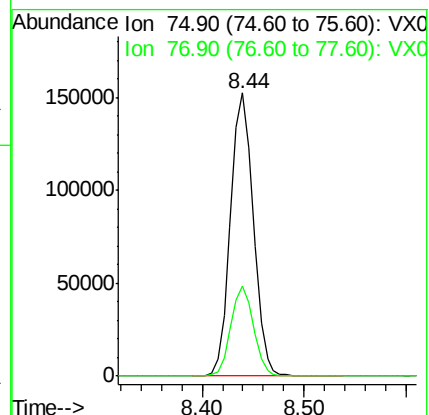
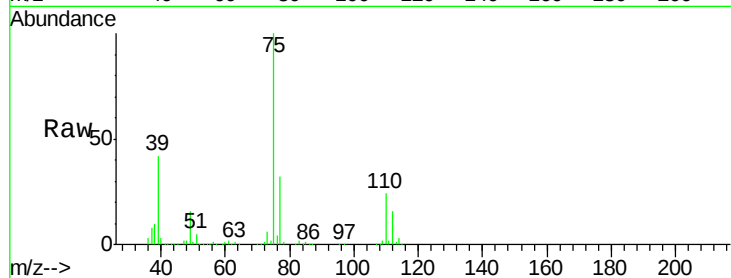
77 32.0 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.90 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

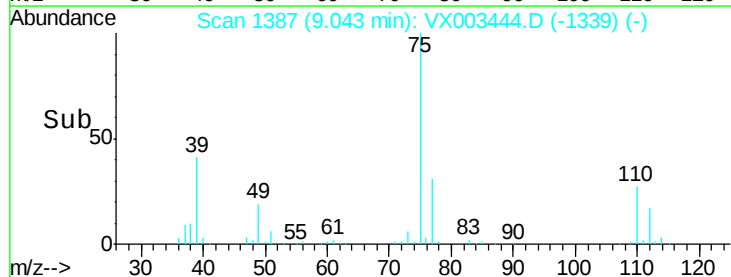
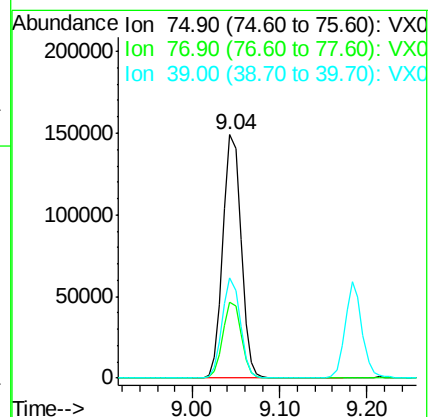
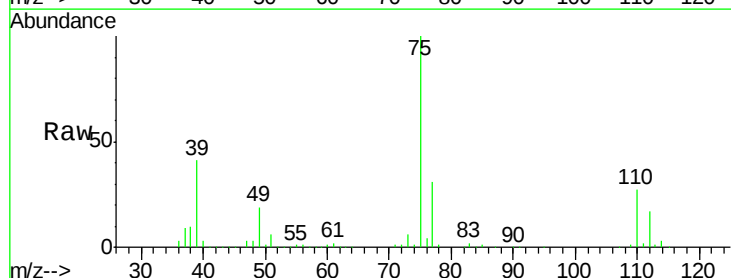
Tgt Ion: 75 Resp: 215109

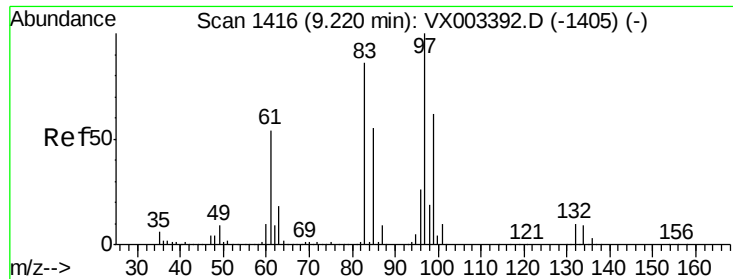
Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 41.1 42.4 63.6#





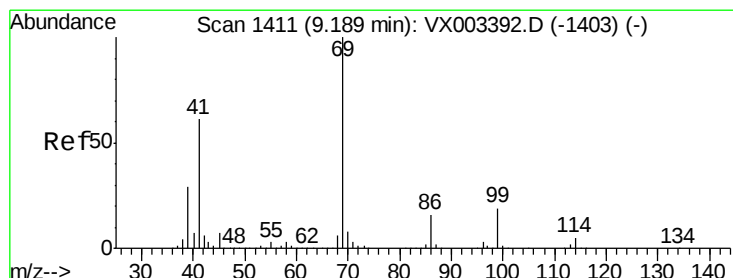
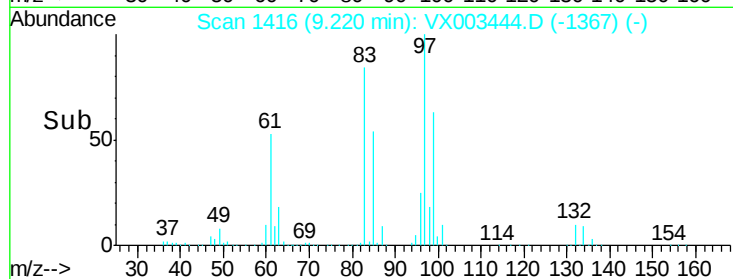
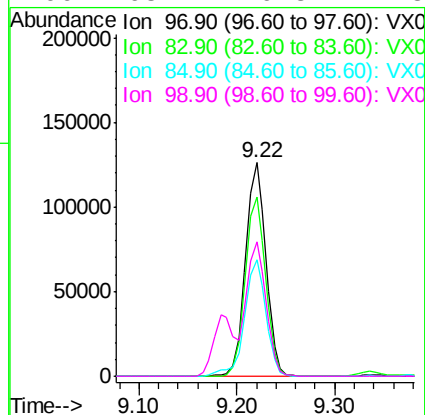
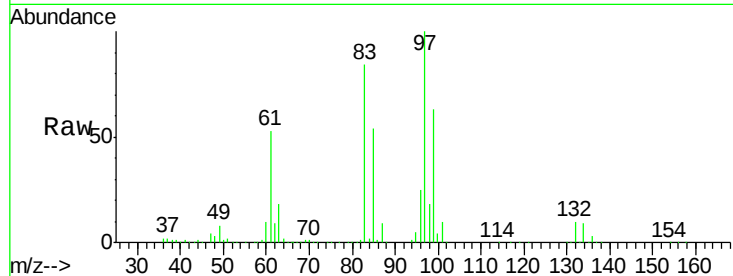
#55
 1,1,2-Trichloroethane
 Concen: 24.38 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion:	97	Resp:	183272
Ion Ratio	Lower	Upper	
97	100		
83	83.8	70.2	105.2
85	54.3	44.9	67.3
99	63.2	49.8	74.8

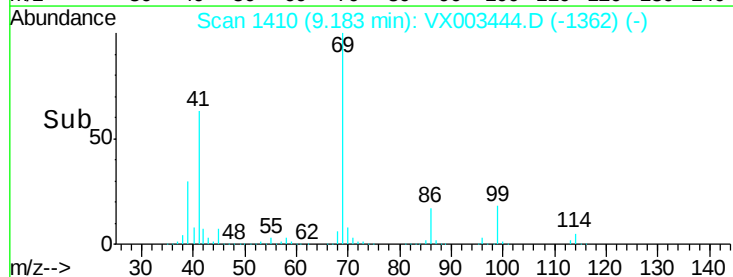
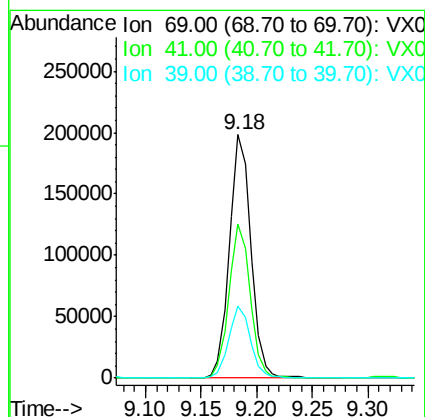
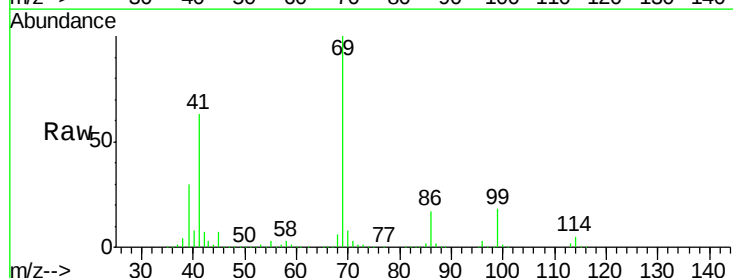
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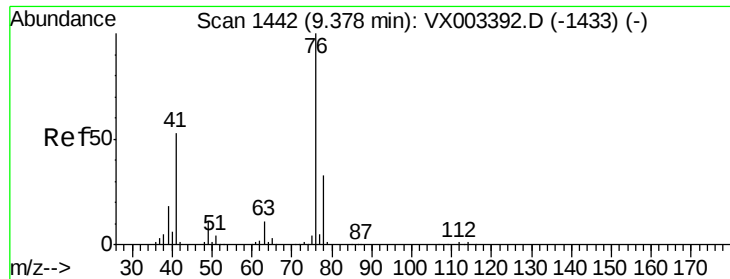
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 24.98 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Tgt Ion:	69	Resp:	265868
Ion Ratio	Lower	Upper	
69	100		
41	62.7	60.3	90.5
39	30.0	35.8	53.8#





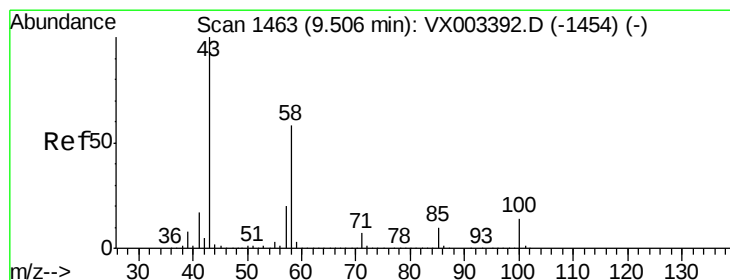
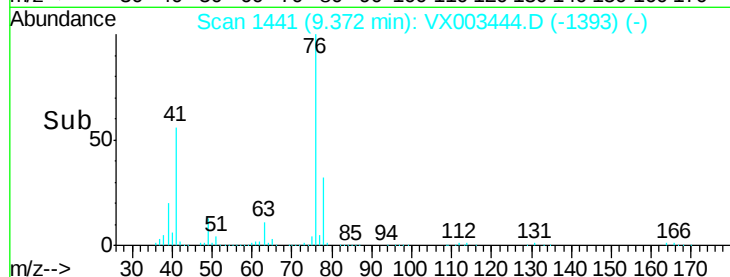
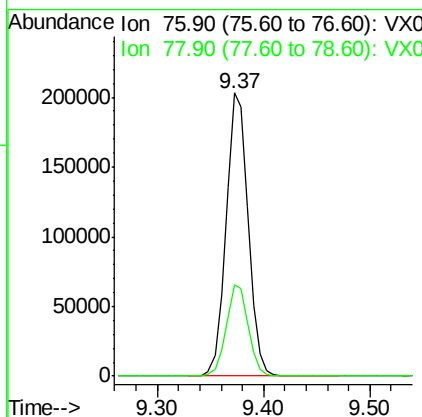
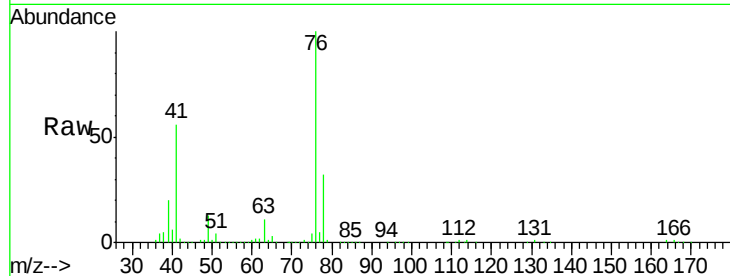
#57
 1,3-Dichloropropane
 Concen: 24.38 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion: 76 Resp: 294482
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

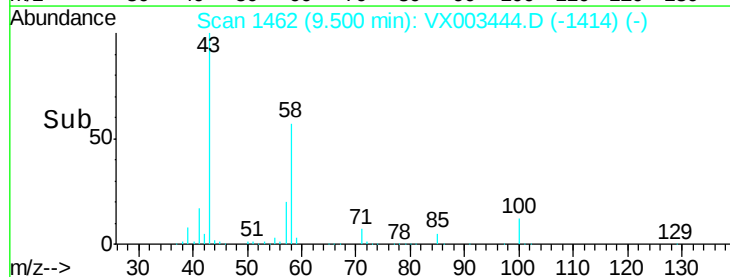
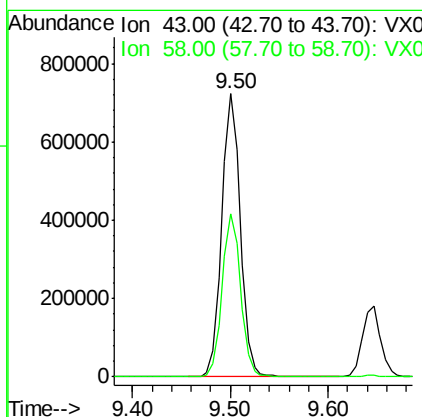
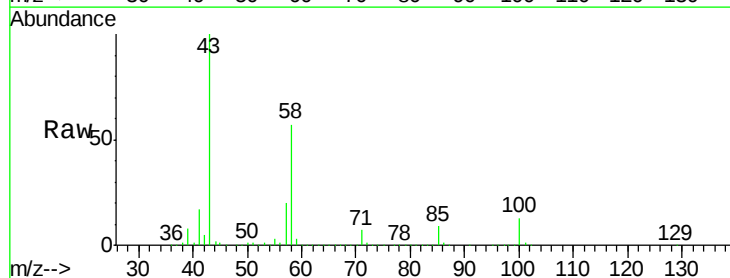
Manual Integrations
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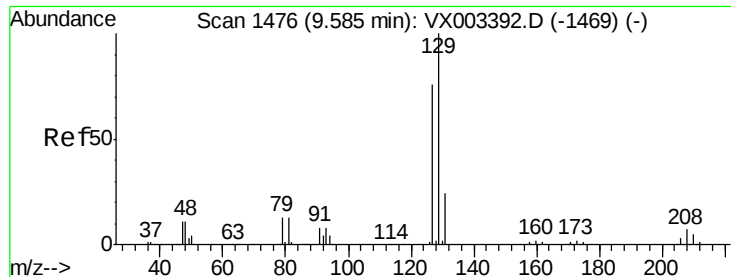
MMDadoda
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#59
 2-Hexanone
 Concen: 117.87 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Tgt Ion: 43 Resp: 957628
 Ion Ratio Lower Upper
 43 100
 58 57.2 24.6 73.6





#60

Dibromochloromethane

Concen: 25.04 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tot Ion:129 Resp: 187011

Ion Ratio Lower Upper

129 100

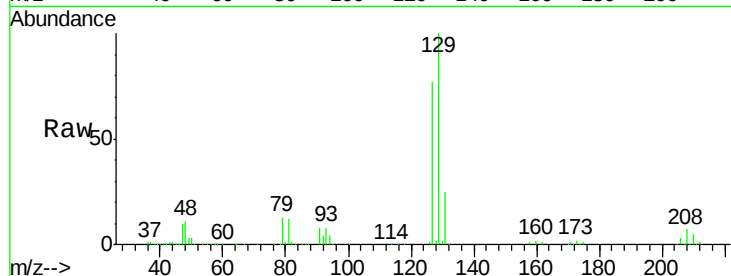
127 76.9 38.5 115.3

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

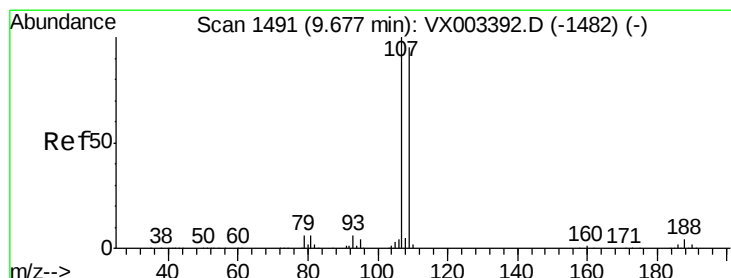
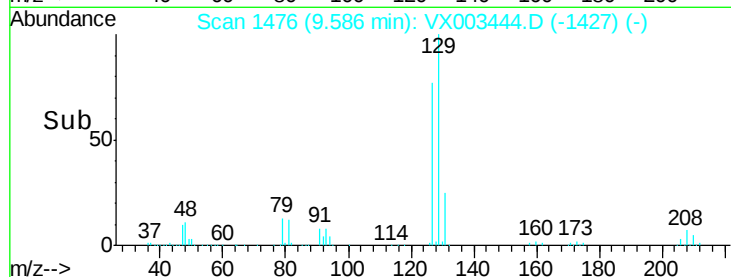
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 24.44 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003444.D

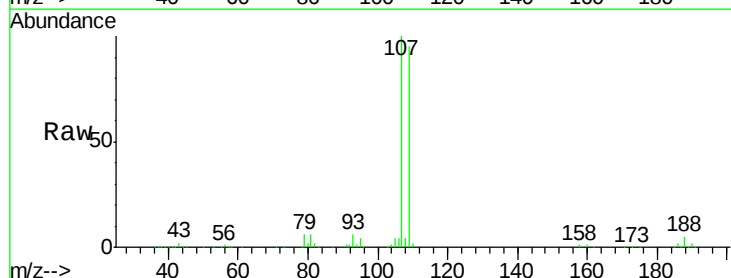
Acq: 18 Jul 2018 13:48

Tgt Ion:107 Resp: 189367

Ion Ratio Lower Upper

107 100

109 94.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

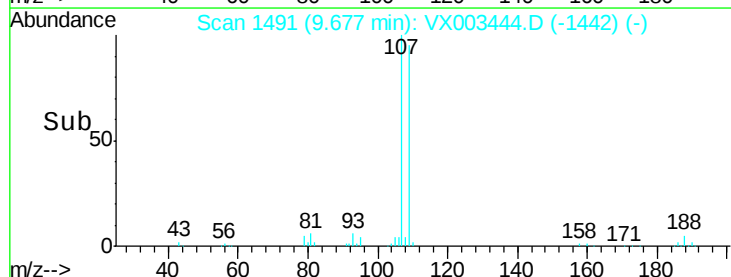
150000

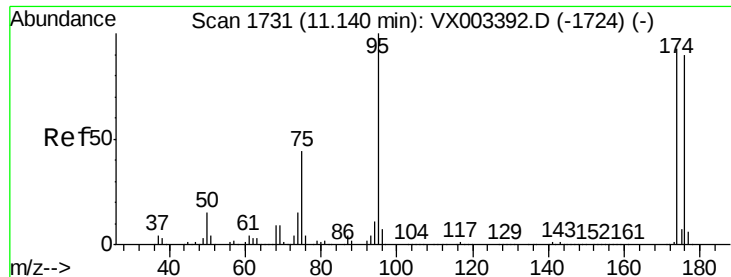
100000

50000

0

Time-->





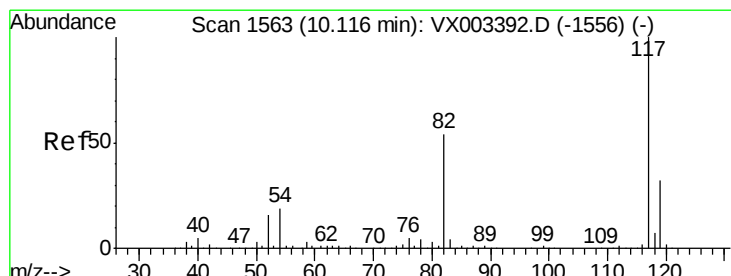
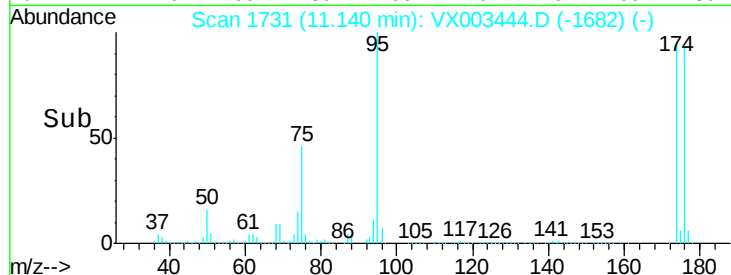
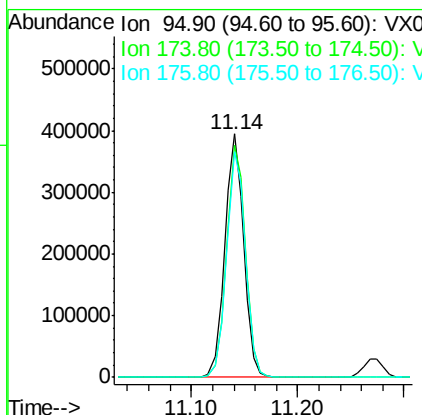
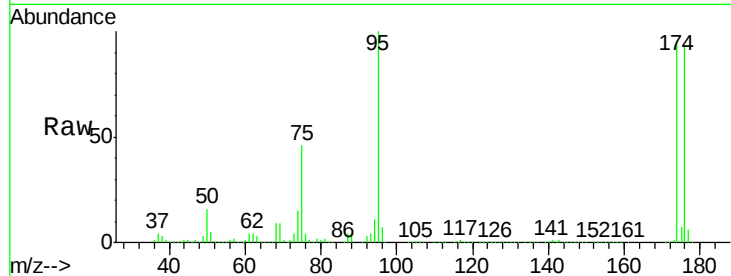
#62
4-Bromofluorobenzene
Concen: 49.01 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	487339		
174	96.2	0.0	187.4	
176	93.3	0.0	181.0	

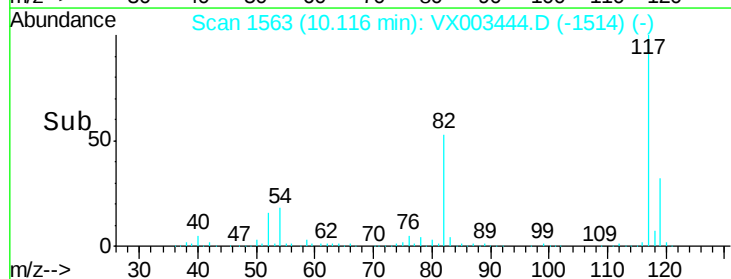
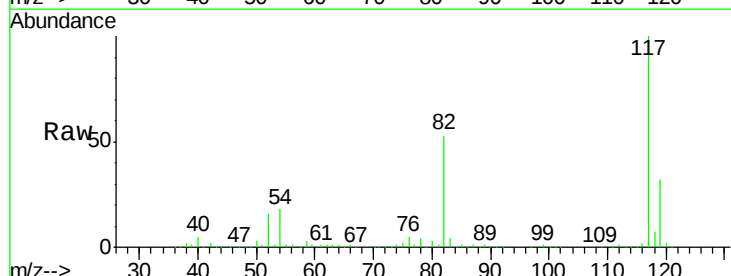
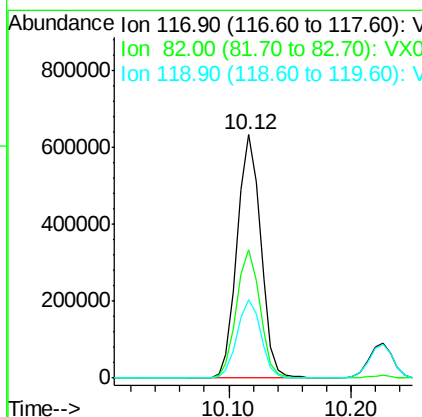
Manual Integrations
APPROVED

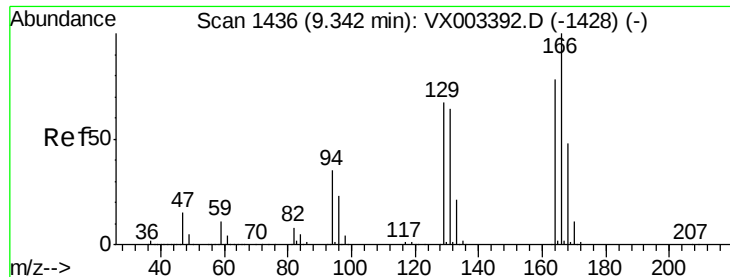
MMDadoda
7/19/2018 1:04:14 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	846228		
82	52.9	45.0	67.4	
119	32.3	25.8	38.6	





#64

Tetrachloroethene

Concen: 24.48 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tot Ion:164 Resp: 216689

Ion Ratio Lower Upper

164 100

166 128.9 102.9 154.3

129 90.4 68.6 102.8

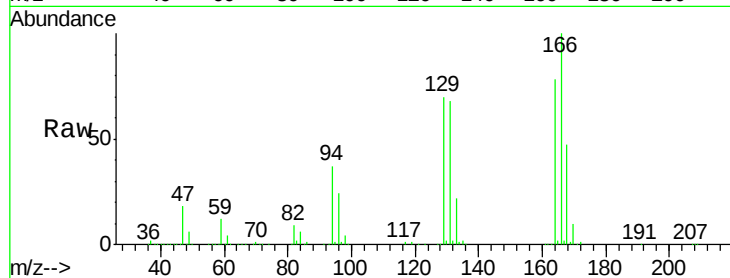
131 87.4 66.8 100.2

Manual Integrations

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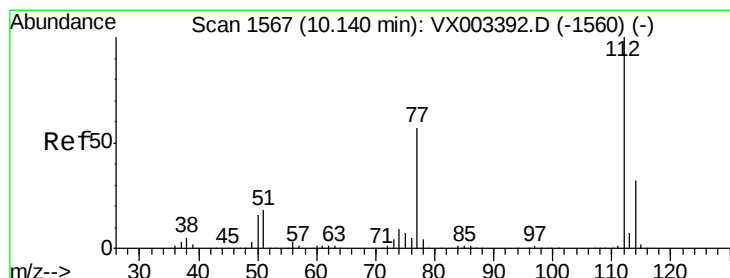
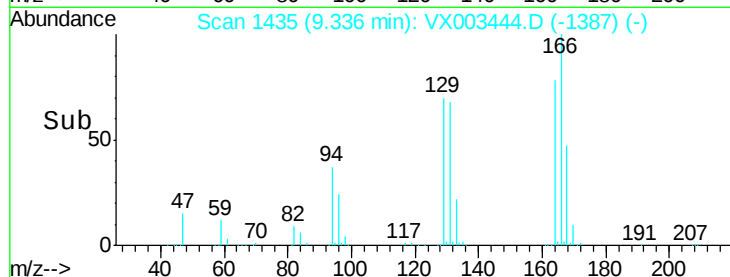
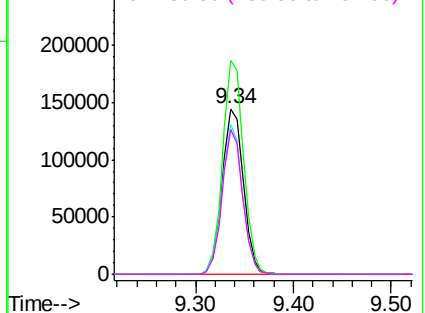


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 25.11 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003444.D

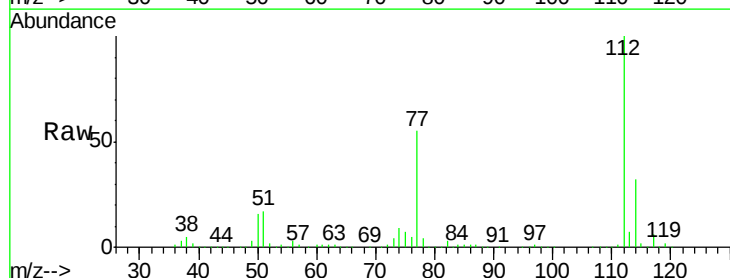
Acq: 18 Jul 2018 13:48

Tgt Ion:112 Resp: 501886

Ion Ratio Lower Upper

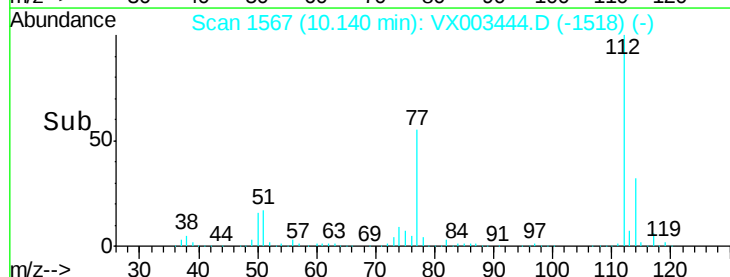
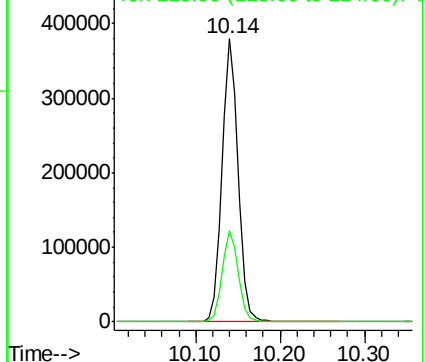
112 100

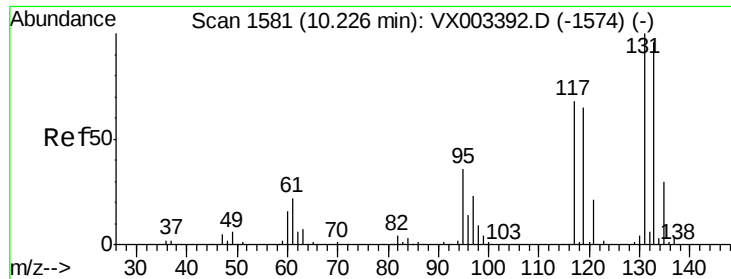
114 32.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





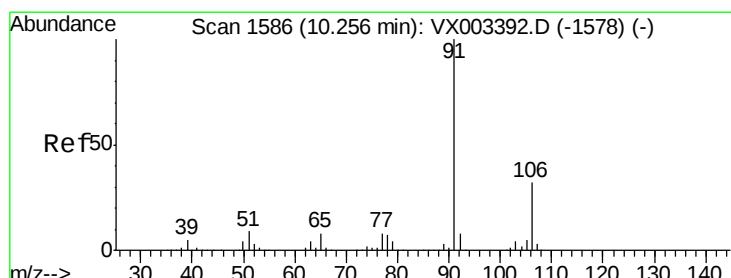
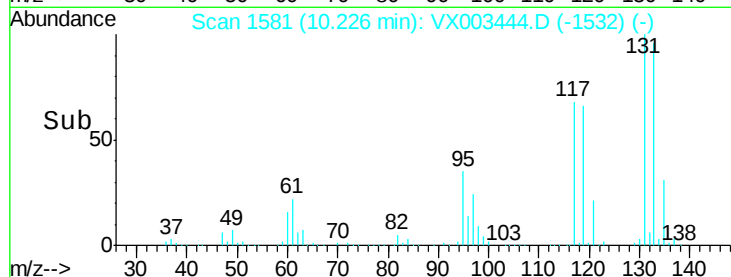
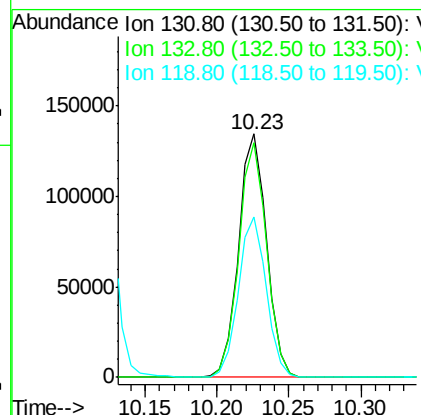
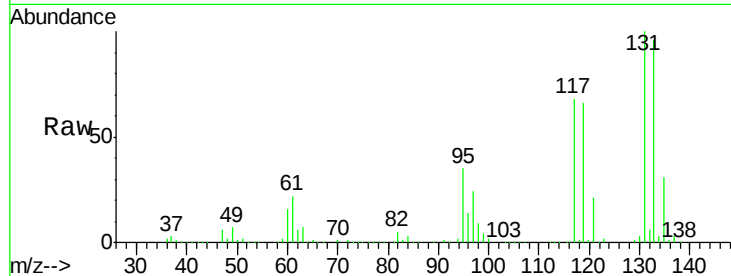
#66
 1,1,1,2-Tetrachloroethane
 Concen: 25.69 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.9	143.6
119	65.6	31.8	95.3

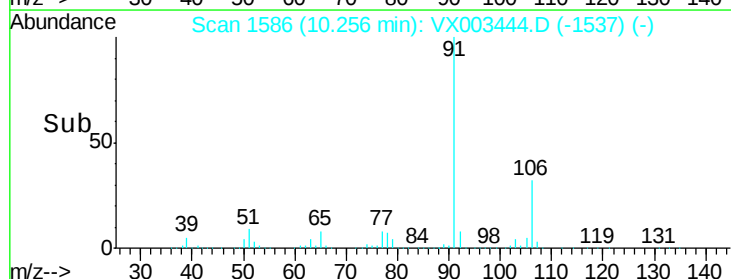
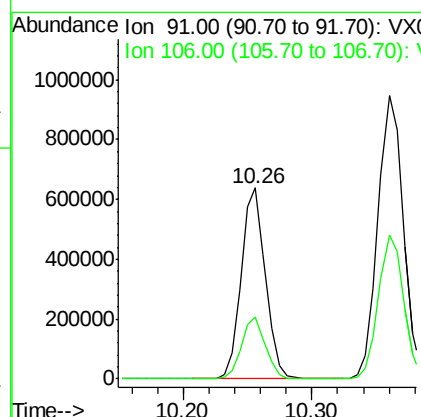
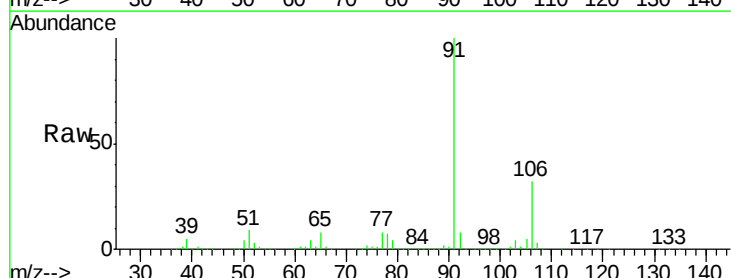
Manual Integrations
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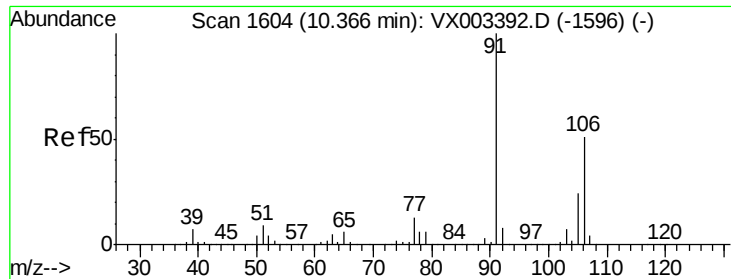
MMDadoda
 7/19/2018 1:04:14 PM



#67
 Ethyl Benzene
 Concen: 25.41 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.5	38.3





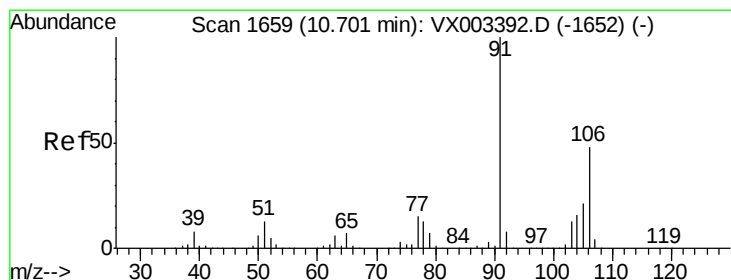
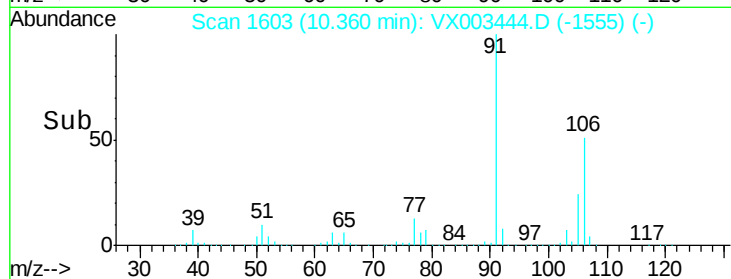
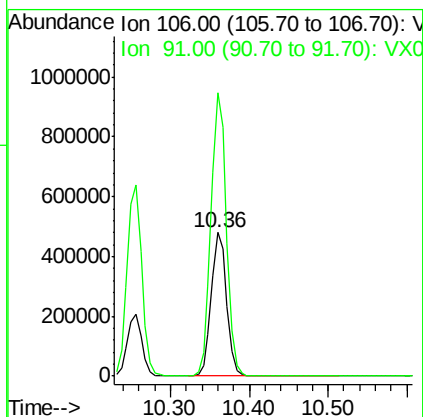
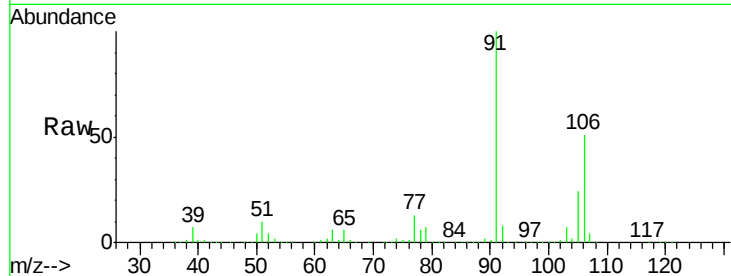
#68
m/p-Xvlenes
Concen: 51.32 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

Tot Ion:106 Resp: 648611
Ion Ratio Lower Upper
106 100
91 197.9 163.4 245.2

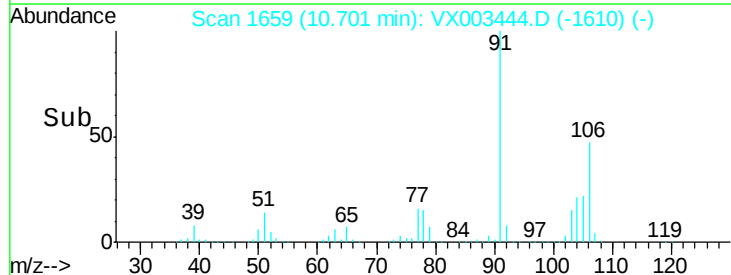
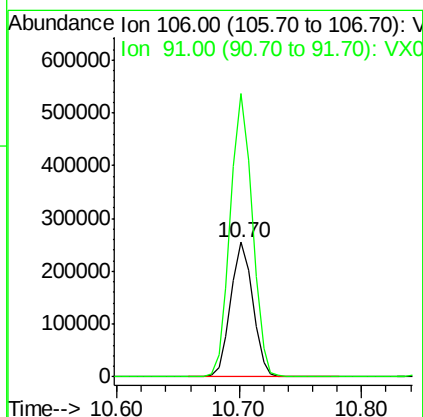
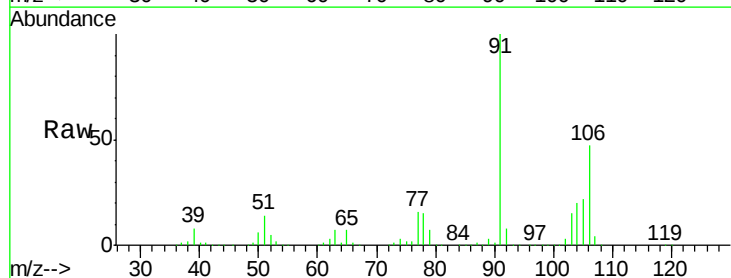
Manual Integrations
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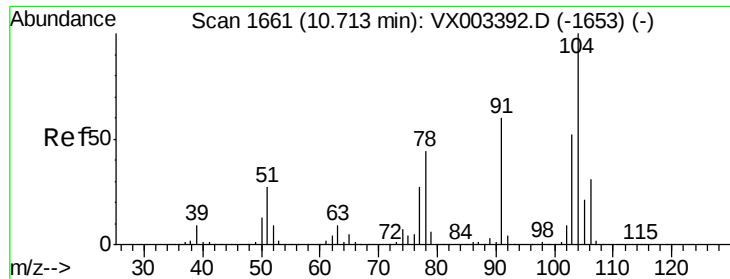
MMDadoda
7/19/2018 1:04:14 PM



#69
o-Xylene
Concen: 26.26 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion:106 Resp: 318760
Ion Ratio Lower Upper
106 100
91 209.7 108.2 324.6





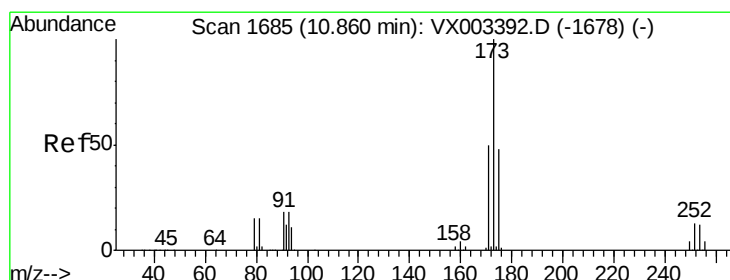
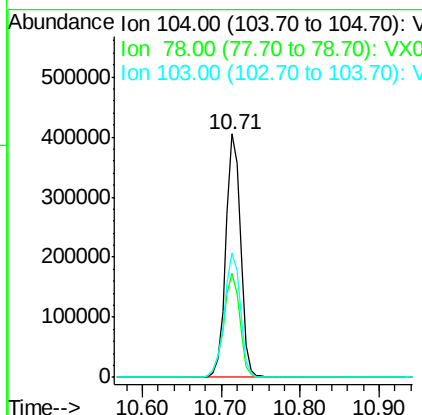
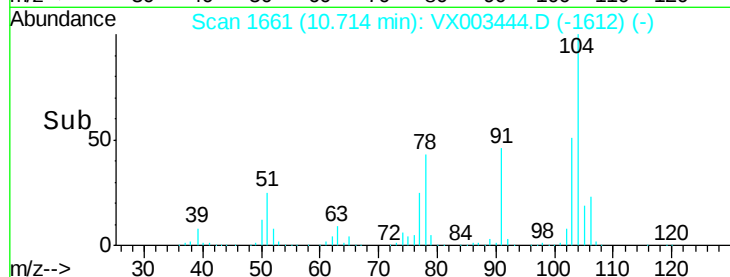
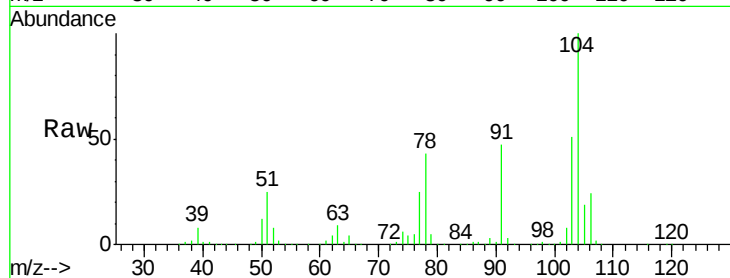
#70
Stvrene
Concen: 26.21 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.2	41.0	61.6
103	55.4	44.2	66.4

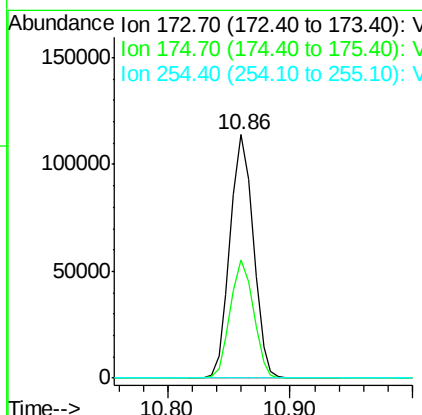
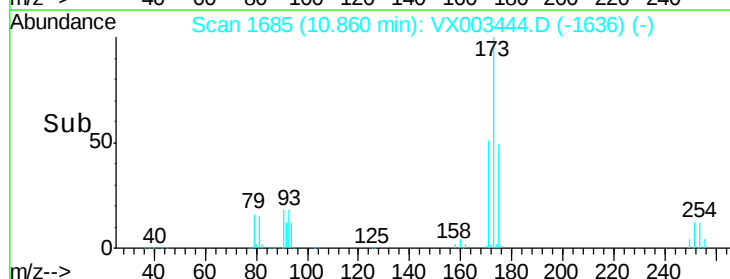
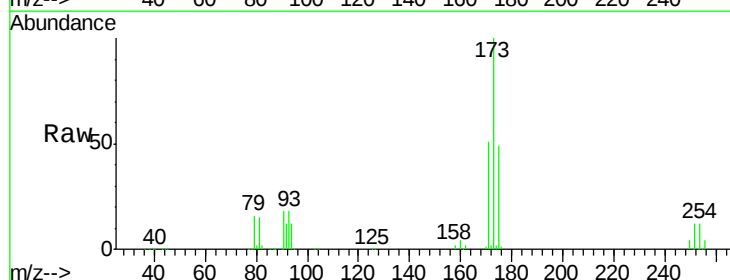
Manual Integrations
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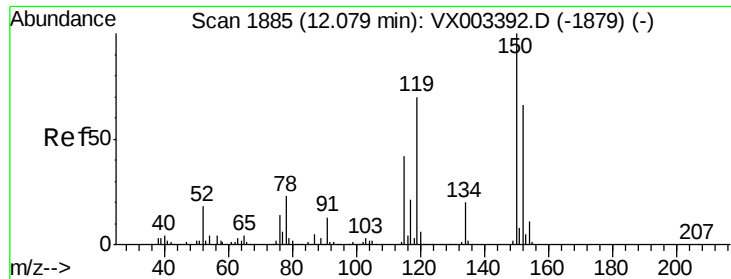
MMDadoda
7/19/2018 1:04:14 PM



#71
Bromoform
Concen: 26.33 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.7	74.1
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tot Ion:152 Resp: 512770

Ion Ratio Lower Upper

152 100

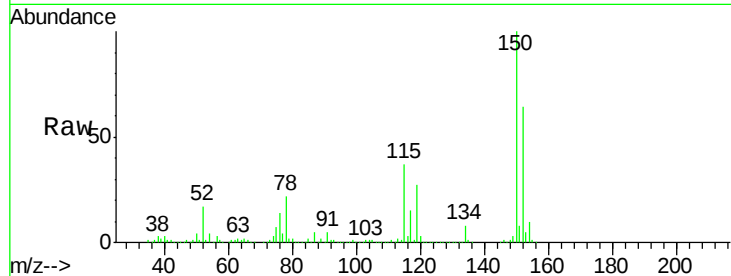
115 63.7 40.1 120.2

150 164.7 0.0 347.2

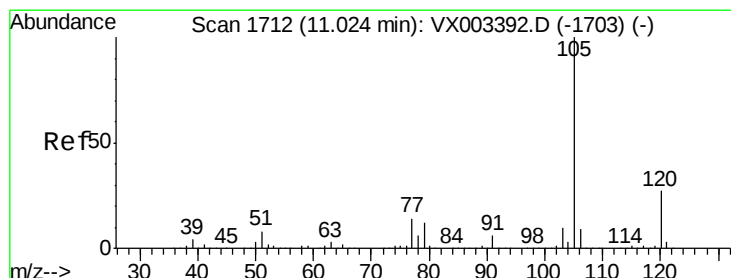
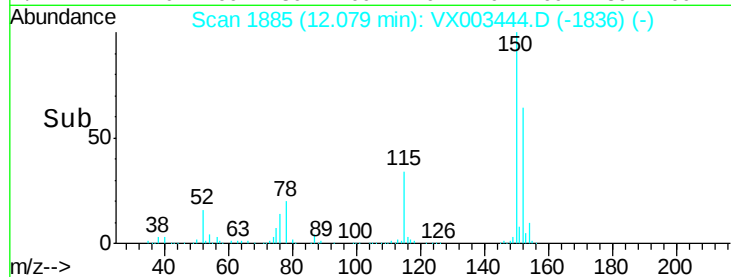
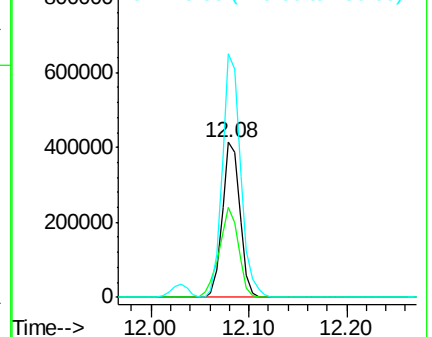
Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 25.54 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003444.D

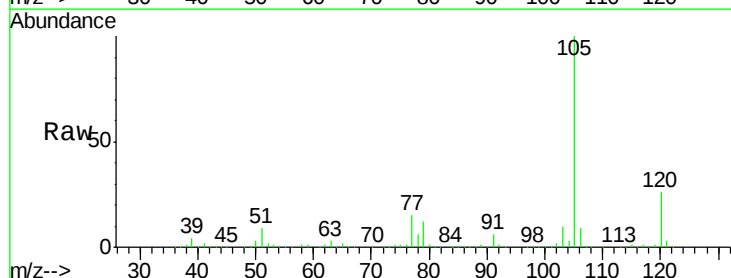
Acq: 18 Jul 2018 13:48

Tgt Ion:105 Resp: 838473

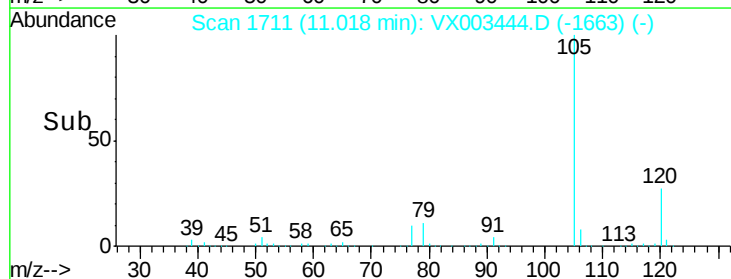
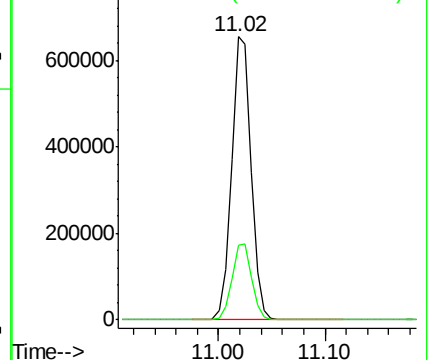
Ion Ratio Lower Upper

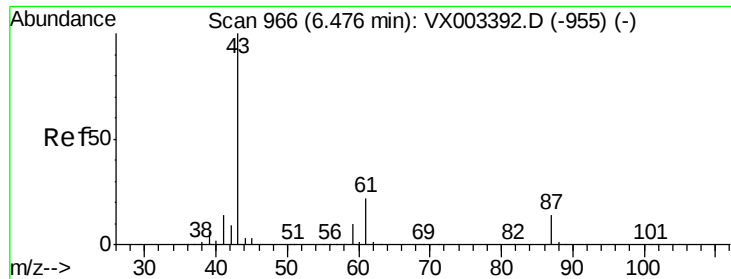
105 100

120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 20.00 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

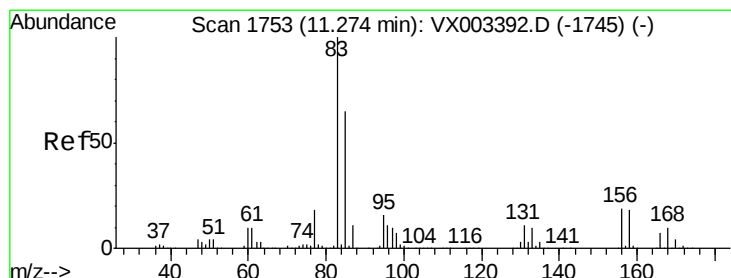
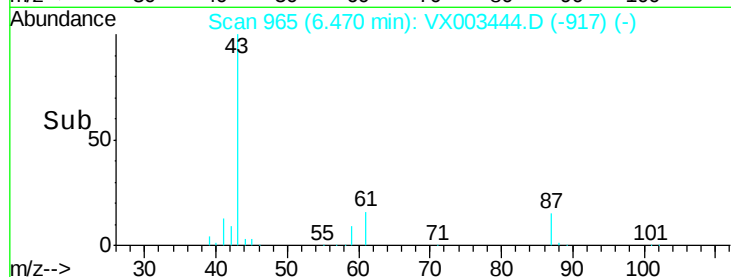
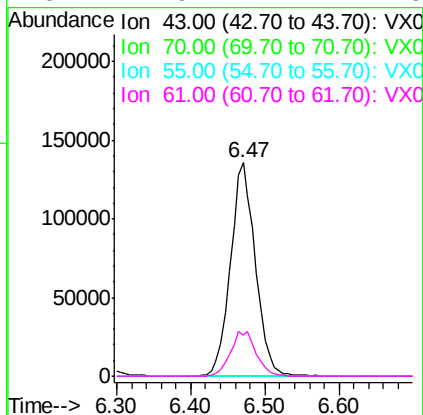
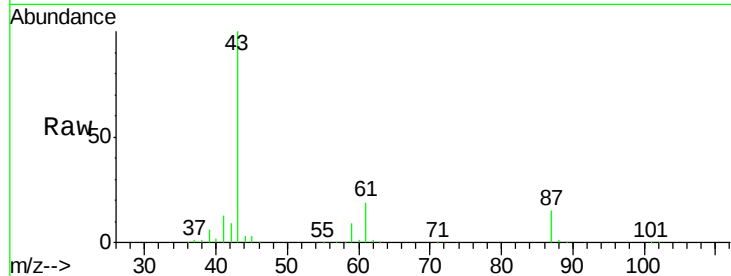
ClientSampleId :

LF1-0034MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		315721		
70	0.0	0.0	0.0		
55	0.1	0.0	0.0		
61	21.9	14.4	21.6		

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#75

1,1,2,2-Tetrachloroethane

Concen: 24.28 ug/l

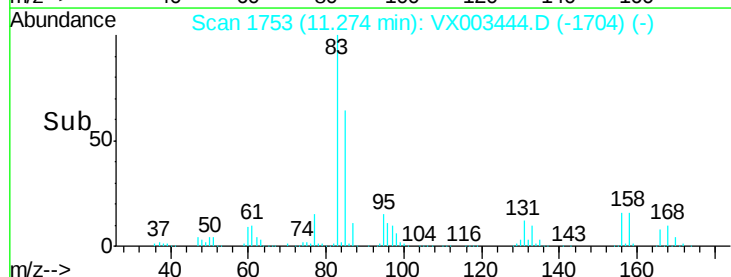
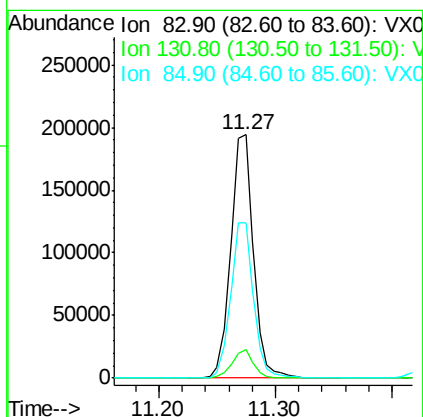
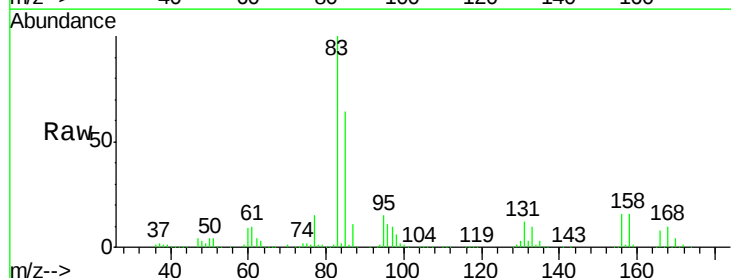
RT: 11.27 min Scan# 1753

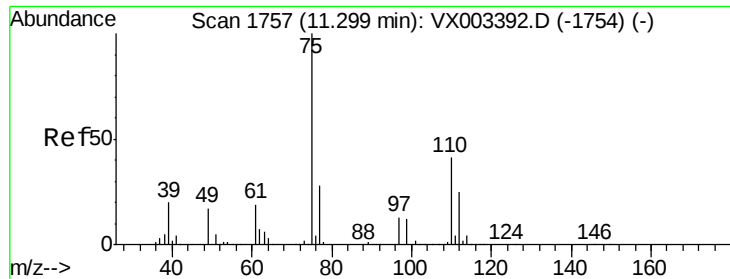
Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		263177		
131	10.9	5.6	16.8		
85	64.4	32.4	97.2		





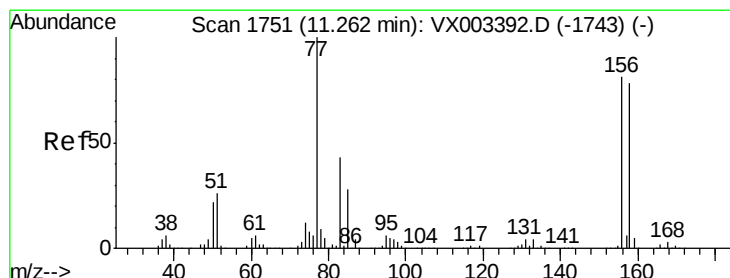
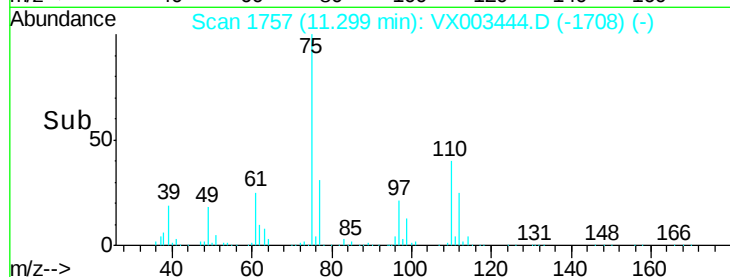
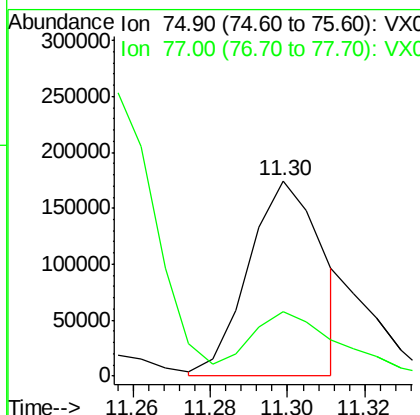
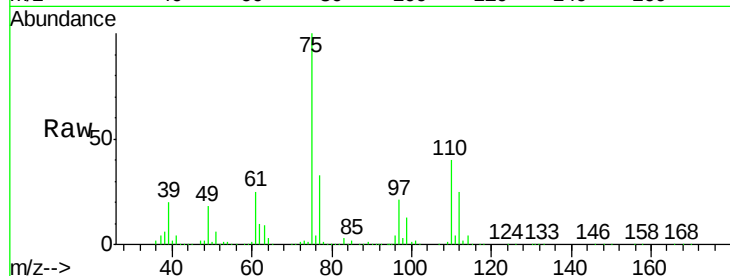
#76
1,2,3-Trichloropropane
Concen: 24.73 ug/l m
RT: 11.30 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tot Ion: 75 Resp: 229543
Ion Ratio Lower Upper
75 100
77 40.6 22.8 68.3

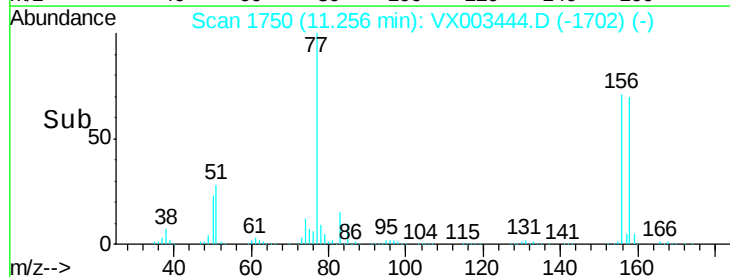
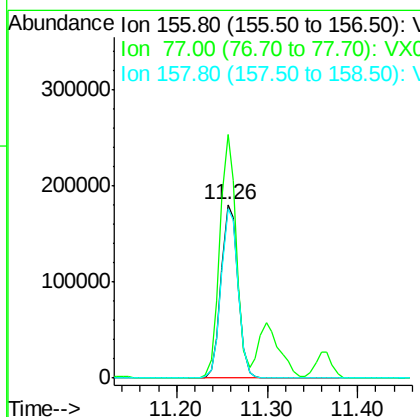
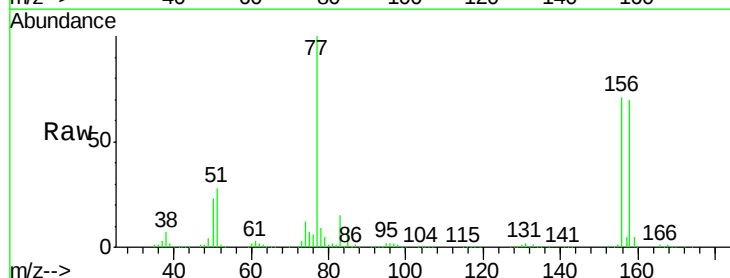
Manual Integrations
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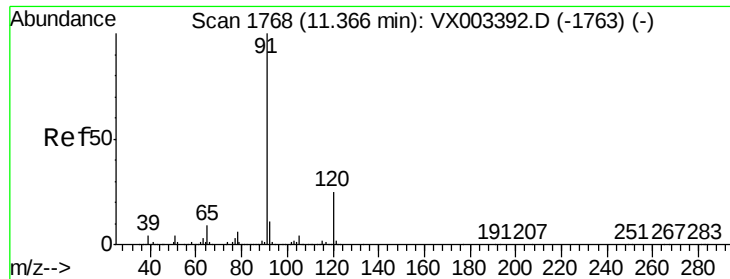
MMDadoda
7/19/2018 1:04:14 PM



#77
Bromobenzene
Concen: 25.41 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion: 156 Resp: 236987
Ion Ratio Lower Upper
156 100
77 136.2 71.4 214.2
158 97.9 48.9 146.6





#78

n-propylbenzene

Concen: 25.40 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tot Ion: 91 Resp: 931705

Ion Ratio Lower Upper

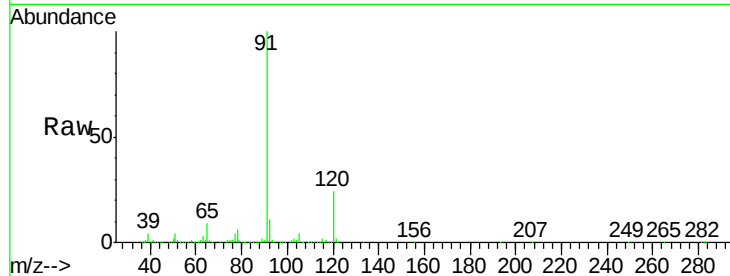
91 100

120 24.3 11.8 35.4

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

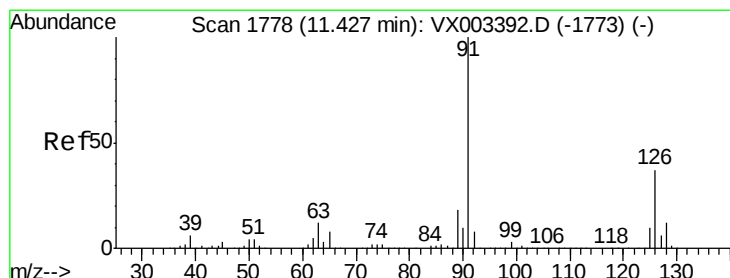
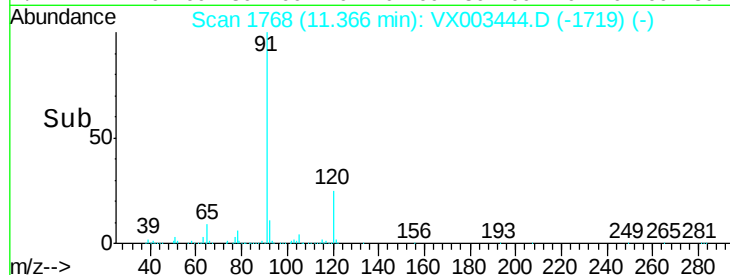
200000

0

11.35

11.40

Time-->



#79

2-Chlorotoluene

Concen: 24.95 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003444.D

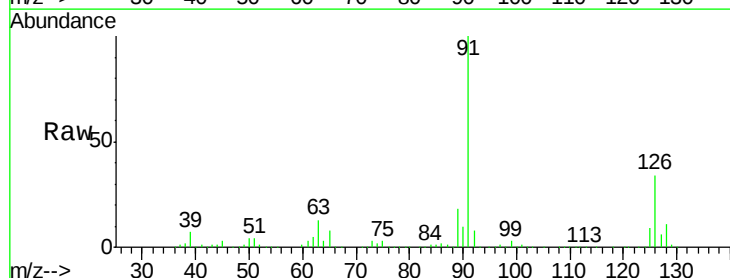
Acq: 18 Jul 2018 13:48

Tgt Ion: 91 Resp: 560977

Ion Ratio Lower Upper

91 100

126 36.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

800000

600000

400000

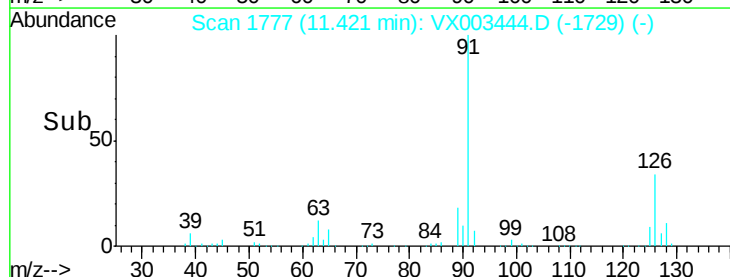
200000

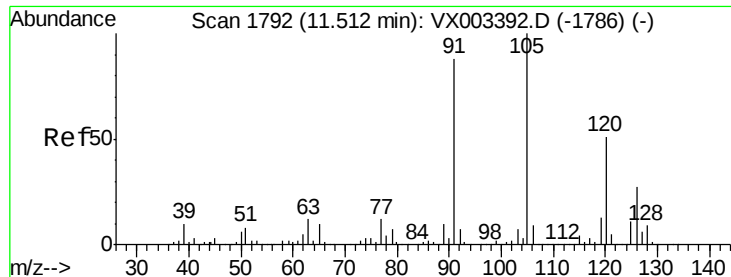
0

11.40

11.45

Time-->





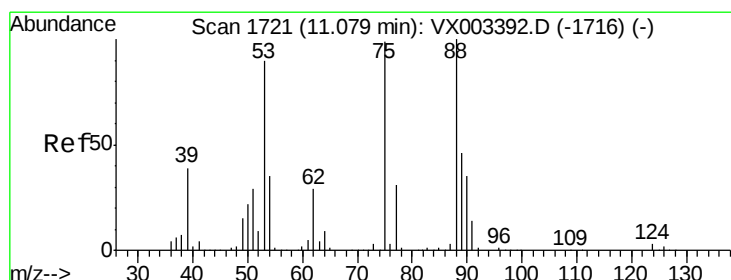
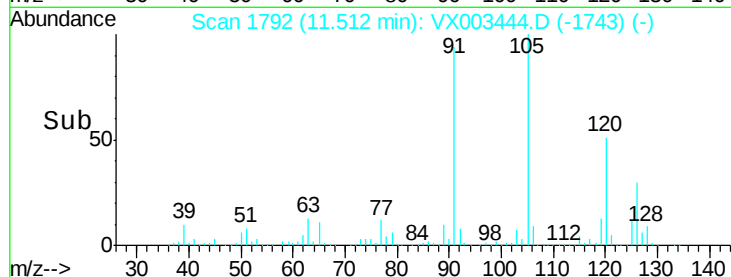
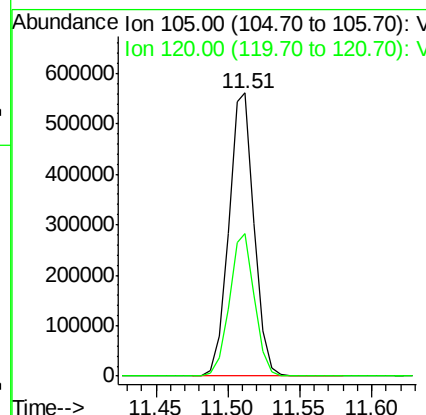
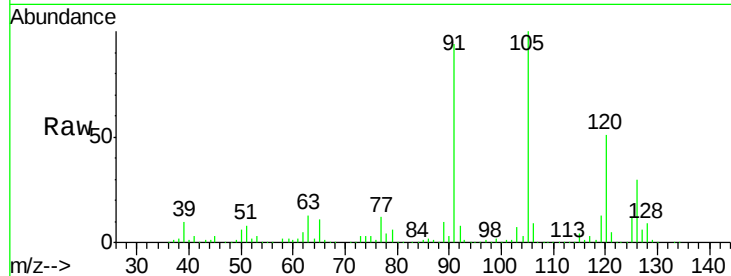
#80
 1,3,5-Trimethylbenzene
 Concen: 25.81 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion:105 Resp: 692315
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.4 73.4

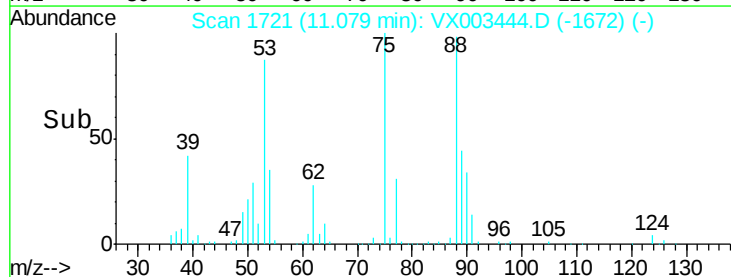
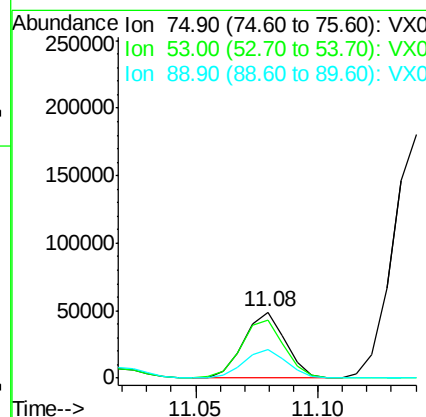
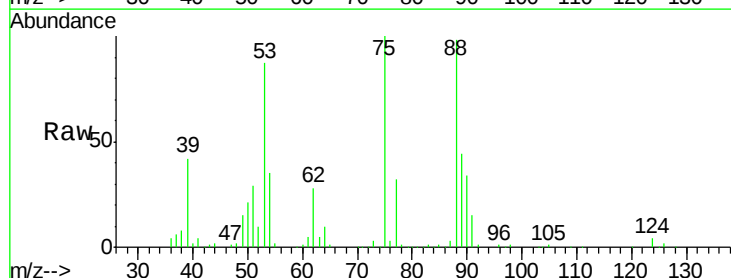
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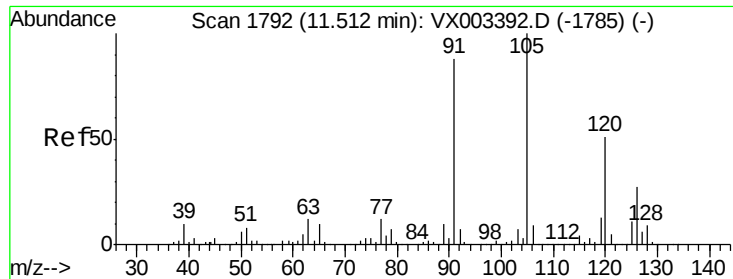
MMDadoda
 7/19/2018 1:04:14 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 20.26 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Tgt Ion: 75 Resp: 57894
 Ion Ratio Lower Upper
 75 100
 53 91.2 86.8 130.2
 89 45.1 38.2 57.2





#82

4-Chlorotoluene

Concen: 24.98 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

Tot Ion: 91 Resp: 655439

Ion Ratio Lower Upper

91 100

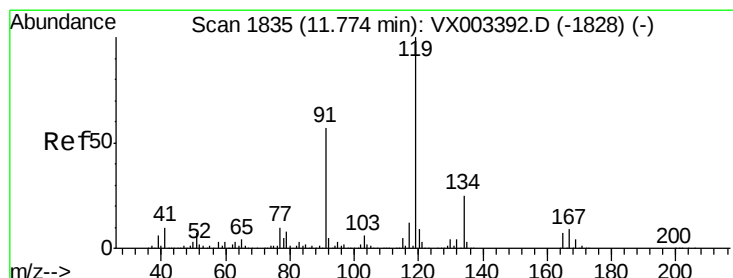
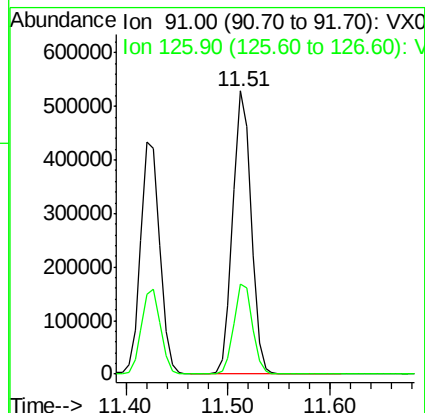
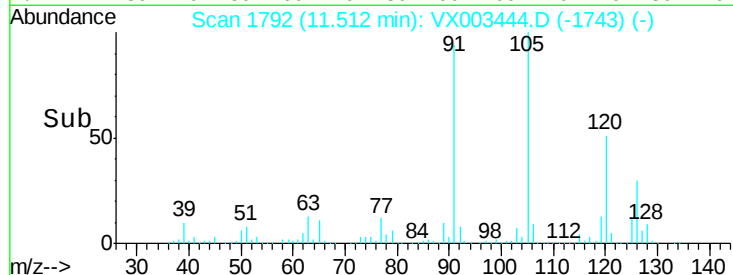
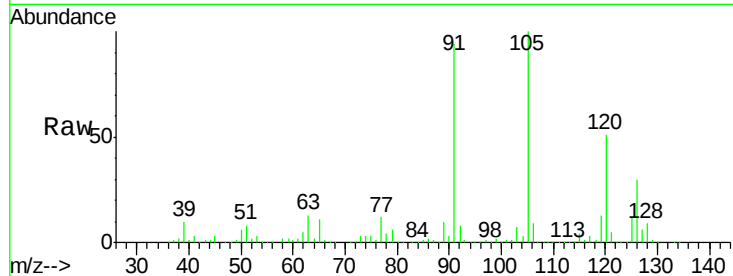
126 32.0 15.4 46.4

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#83

tert-Butylbenzene

Concen: 25.97 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

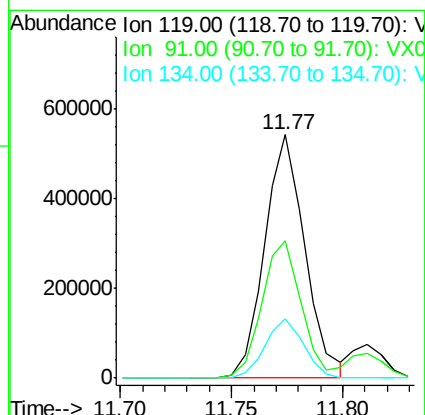
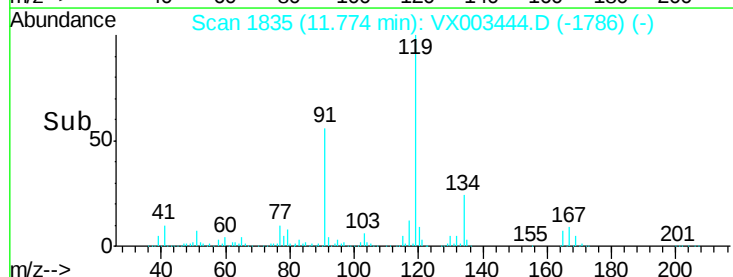
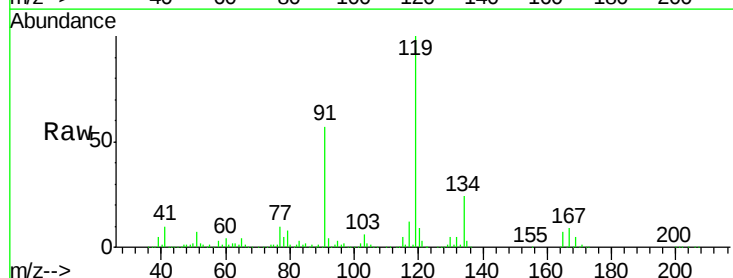
Tgt Ion: 119 Resp: 680774

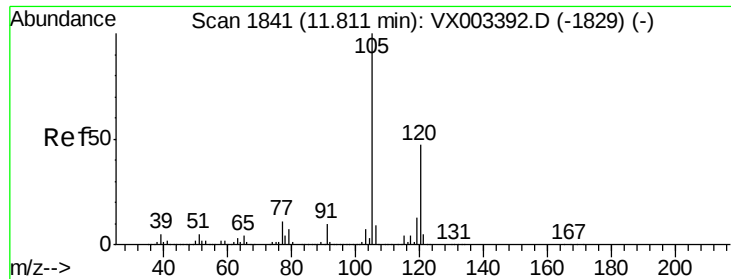
Ion Ratio Lower Upper

119 100

91 54.8 30.3 90.9

134 23.7 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 25.96 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

Tot Ion:105 Resp: 715181

Ion Ratio Lower Upper

105 100

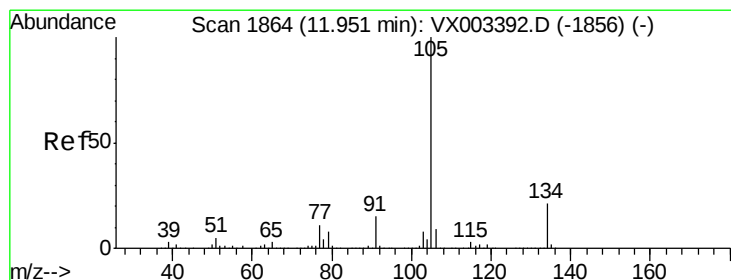
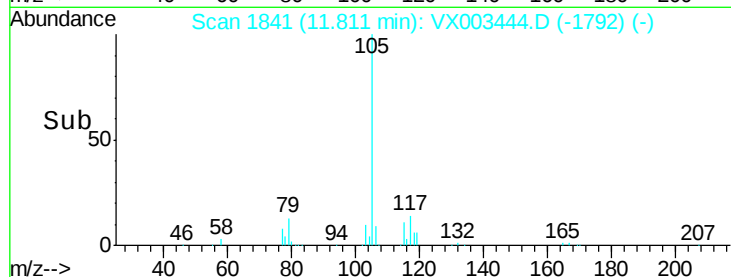
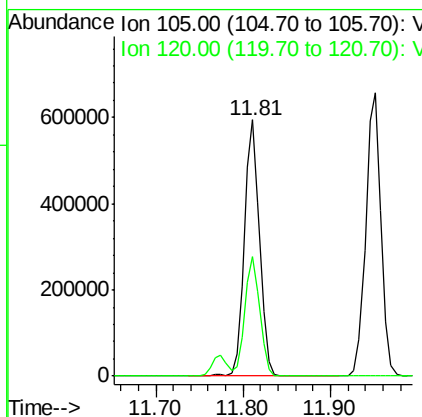
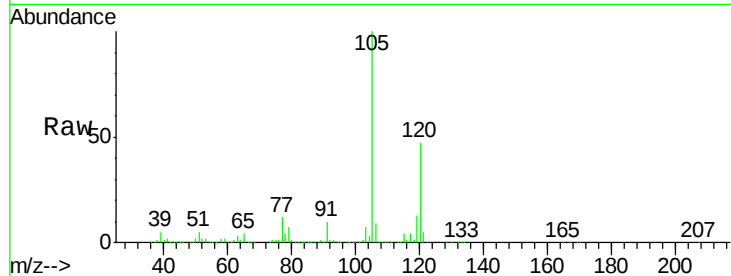
120 46.2 22.3 66.8

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#85

sec-Butylbenzene

Concen: 25.05 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003444.D

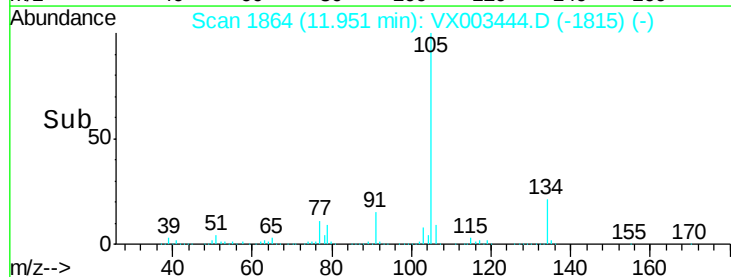
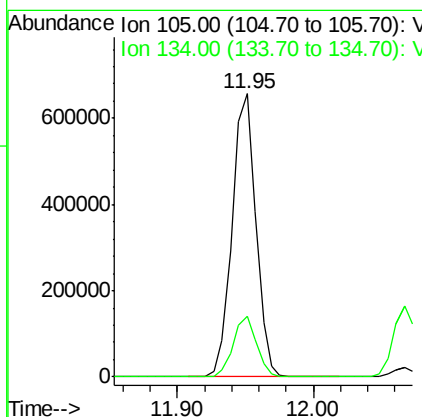
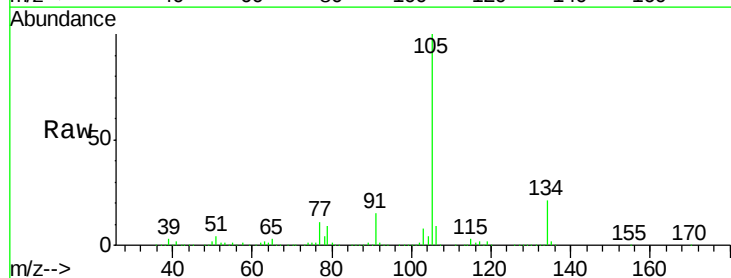
Acq: 18 Jul 2018 13:48

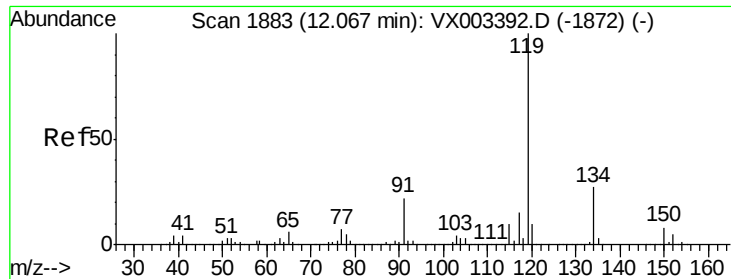
Tgt Ion:105 Resp: 796687

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1





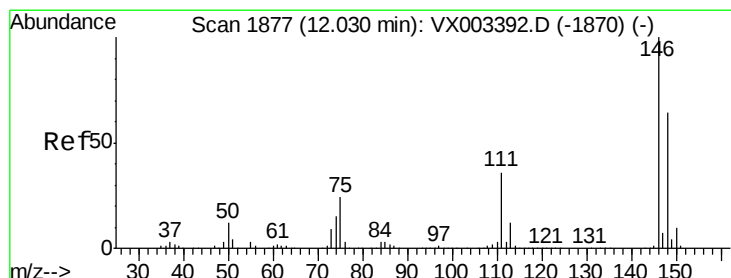
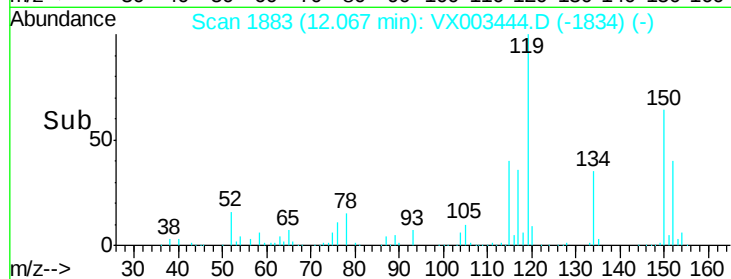
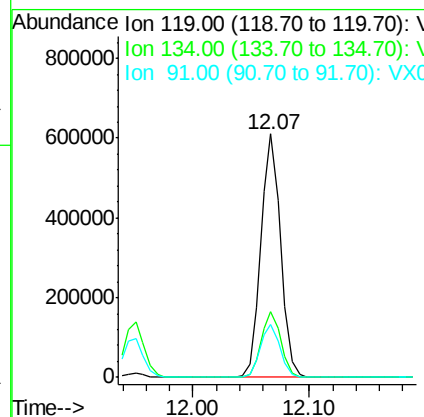
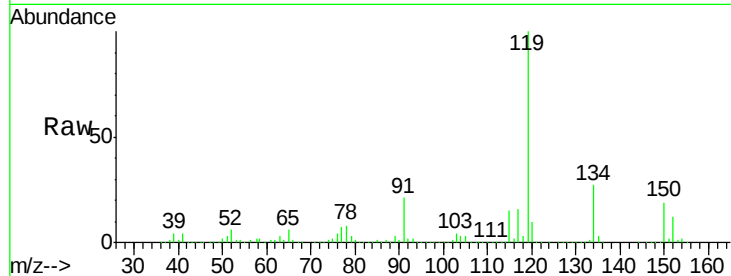
#86
 p-Isopropyltoluene
 Concen: 25.39 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	718708		
134	27.0		13.4	40.1
91	21.7		11.9	35.7

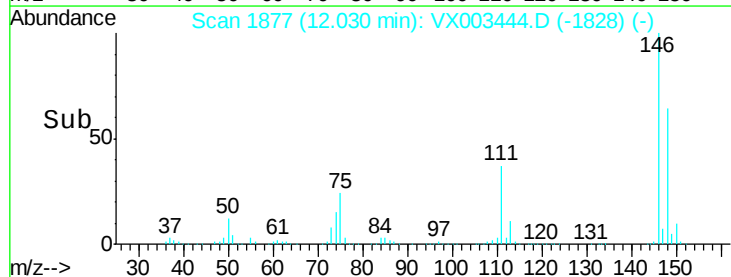
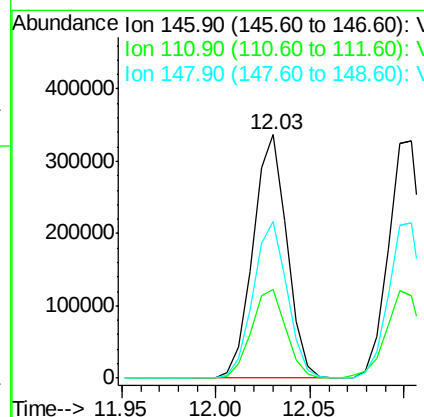
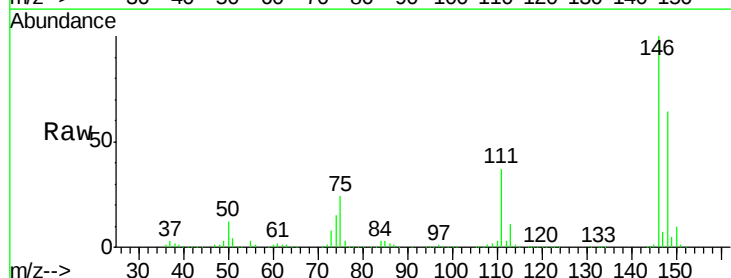
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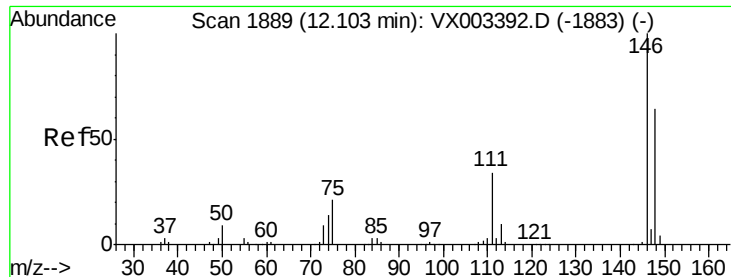
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 24.57 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	419346		
111	37.2		18.9	56.7
148	64.3		32.1	96.3





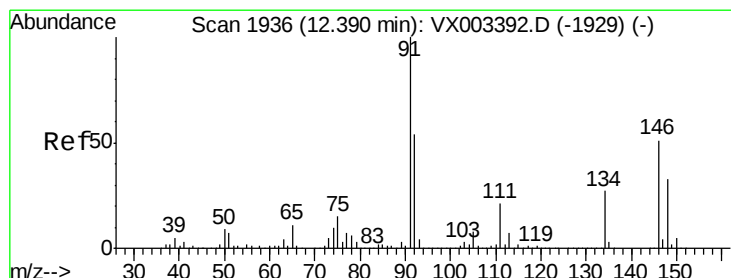
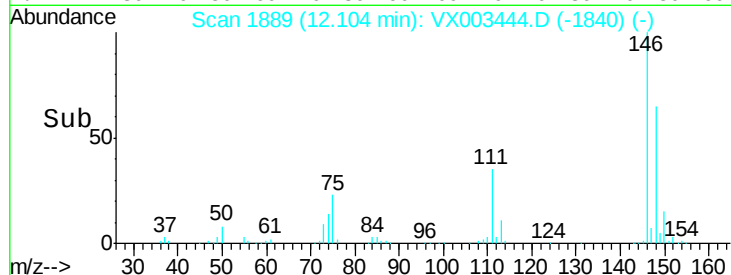
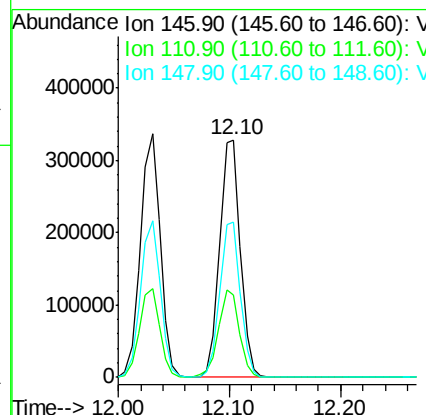
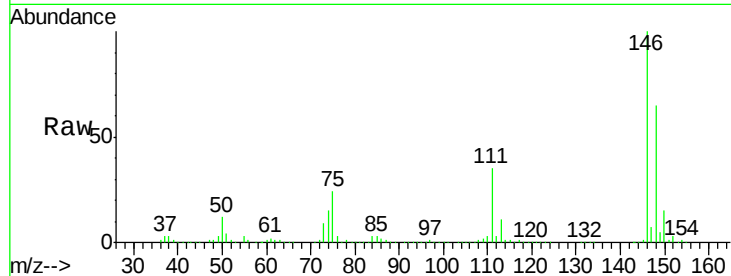
#88
 1,4-Dichlorobenzene
 Concen: 24.33 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	65.2	32.4	97.0

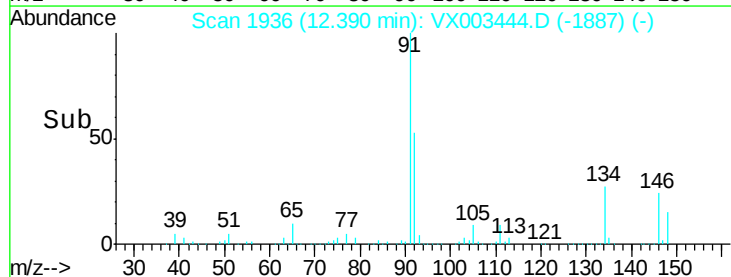
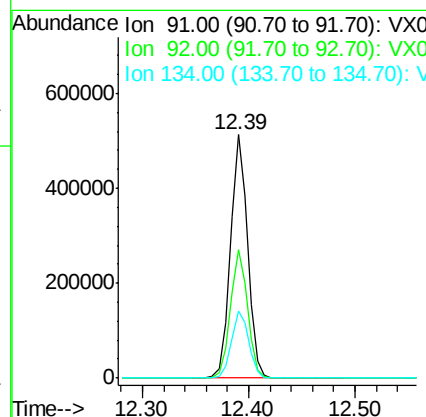
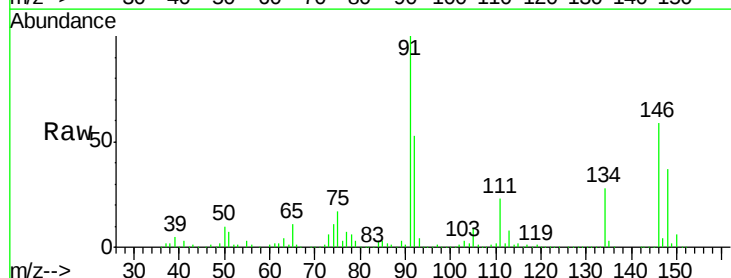
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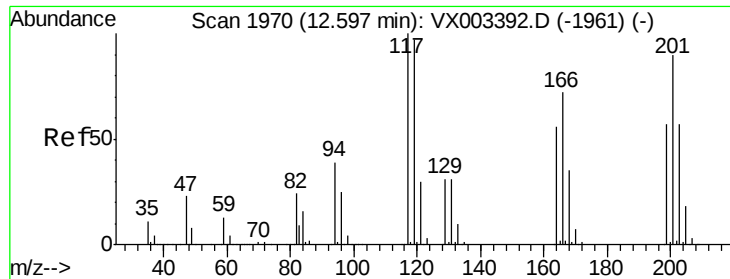
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#89
 n-Butylbenzene
 Concen: 23.92 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.0	78.0
134	28.1	13.5	40.5





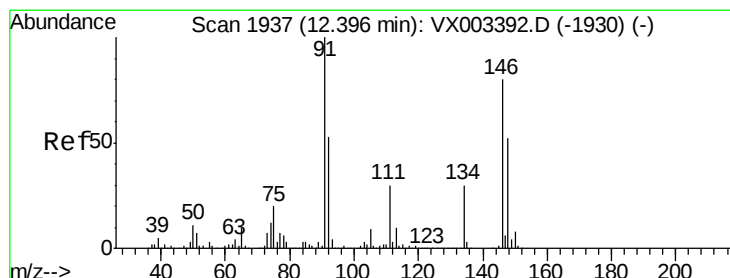
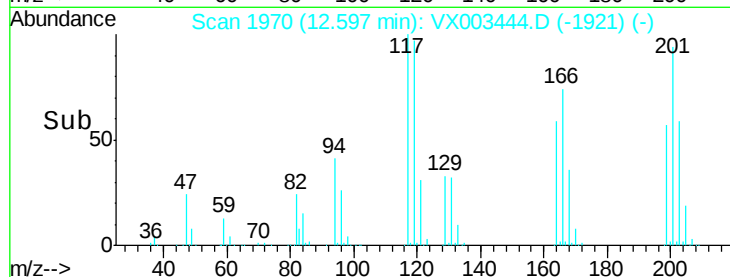
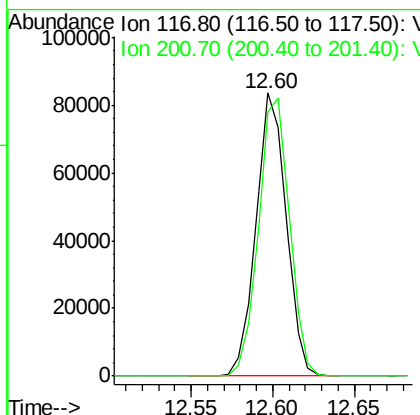
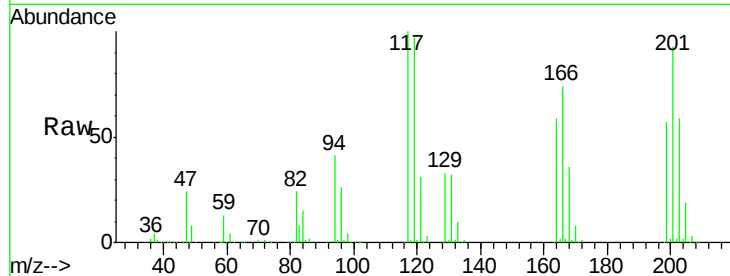
#90
Hexachloroethane
Concen: 25.14 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	107824		
201	100.9	49.0	147.0	

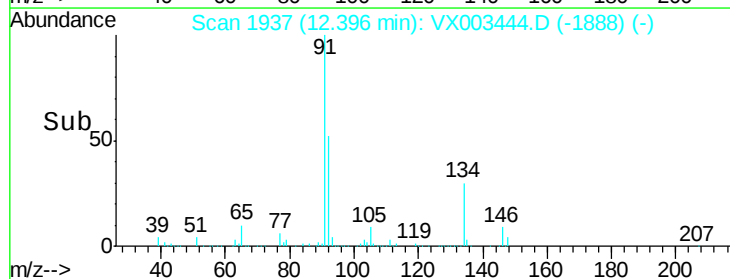
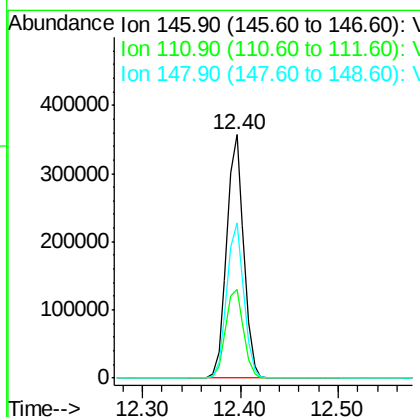
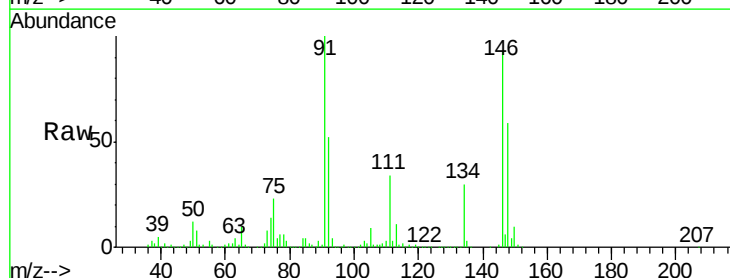
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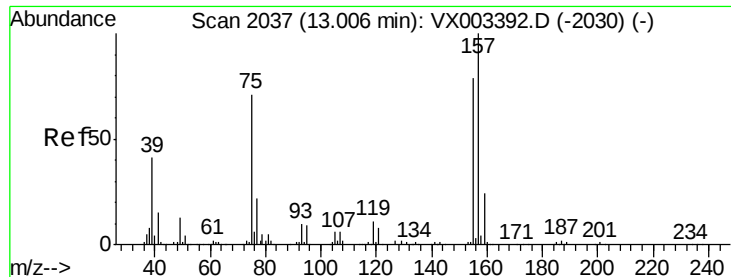
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 25.09 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003444.D
Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	430119		
111	38.1	19.4	58.1	
148	64.0	31.7	95.1	





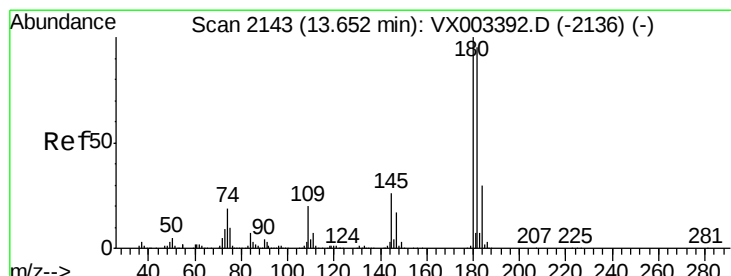
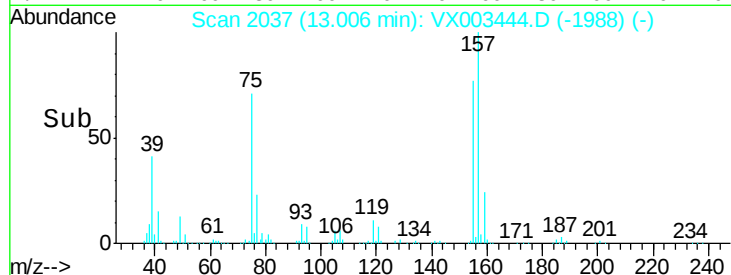
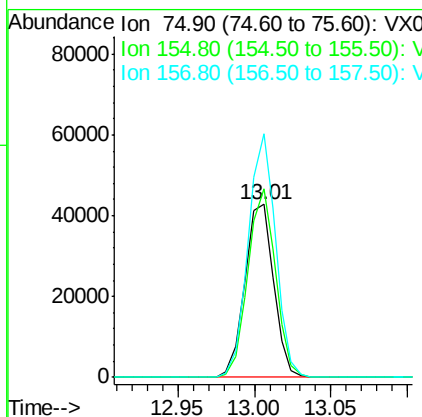
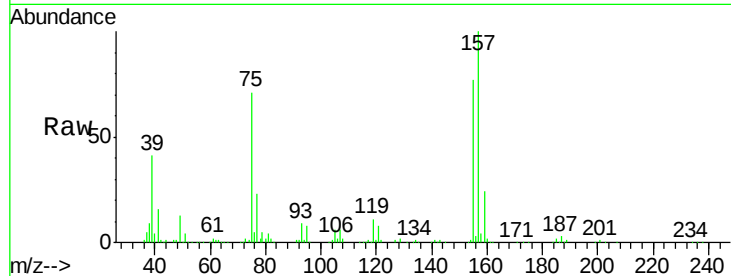
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.84 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	104.5	45.8	137.4
157	133.9	60.1	180.3

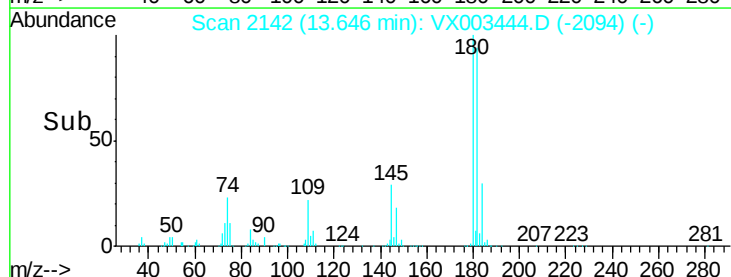
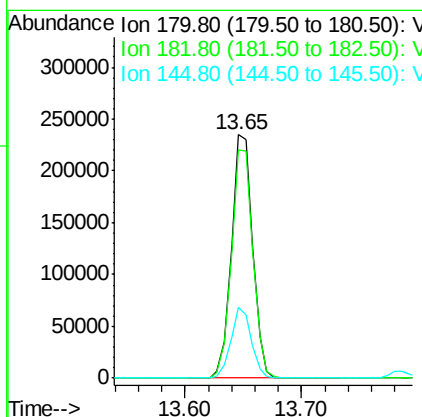
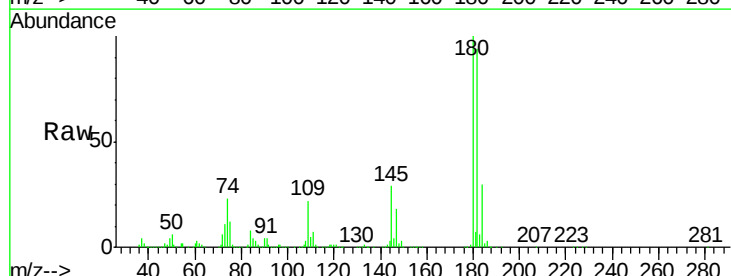
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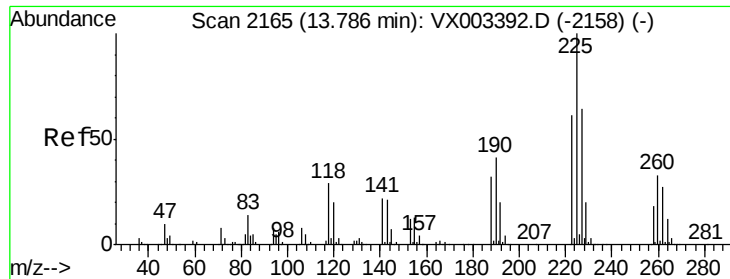
MMDadoda
 7/19/2018 1:04:14 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 25.35 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.7	143.1
145	27.7	14.1	42.4





#94

Hexachlorobutadiene

Concen: 22.46 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Instrument :

MSVOA_X

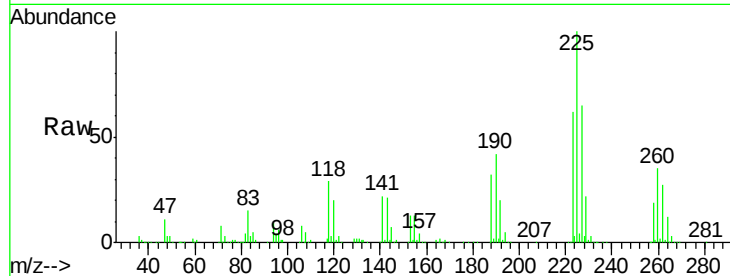
ClientSampleId :

LF1-0034MS

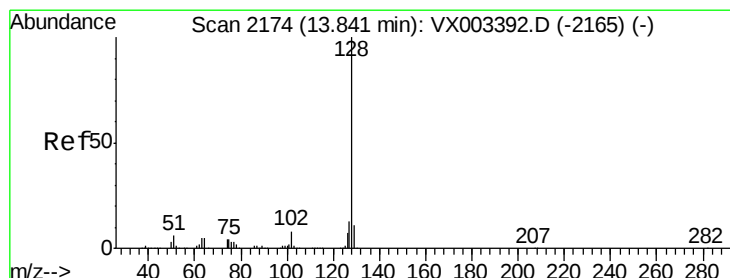
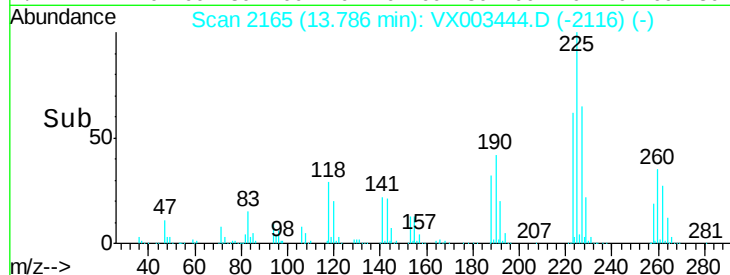
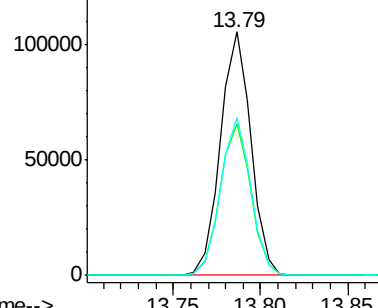
Tot Ion:	225	Resp:	126818
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.6	95.0
227	64.2	32.4	97.2

Manual Integrations
APPROVED

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7/19/2018 1:04:14 PM



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



#95

Naphthalene

Concen: 27.17 ug/l

RT: 13.83 min Scan# 2173

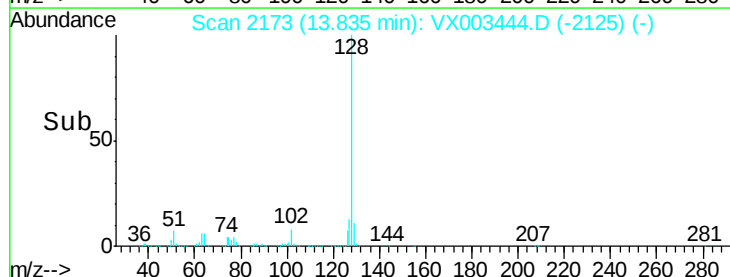
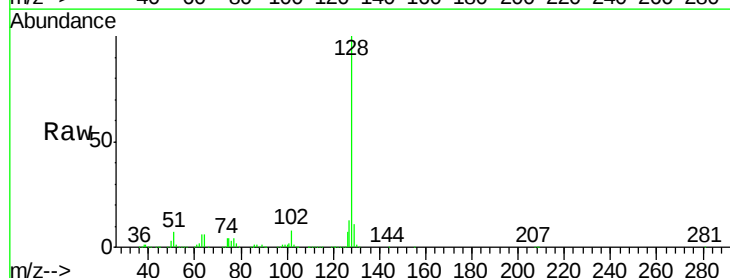
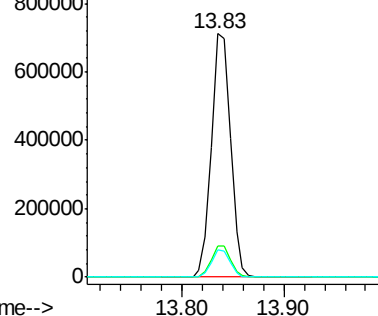
Delta R.T. -0.01 min

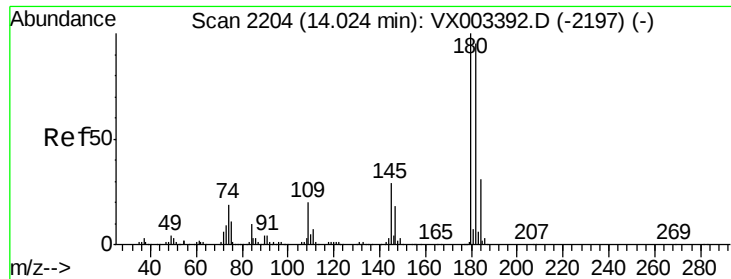
Lab File: VX003444.D

Acq: 18 Jul 2018 13:48

Tgt Ion:	128	Resp:	913369
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.8	8.6	13.0

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 25.41 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003444.D
 Acq: 18 Jul 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.8	48.0	144.0
145	29.4	14.8	44.3

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 1:04:14 PM

