

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071818\
 Data File : VX003441.D
 Acq On : 18 Jul 2018 12:29
 Operator : JC/MD
 Sample : VX0718WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 1:04:12 PM

Quant Time: Jul 18 14:08:34 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	346672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	484825	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	444660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	272491	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	200778	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	
35) Dibromofluoromethane	5.50	113	184723	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
50) Toluene-d8	8.72	98	707835	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	11.14	95	257569	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	74966	19.16	ug/l	99
3) Chloromethane	1.32	50	72246	17.06	ug/l	99
4) Vinyl Chloride	1.40	62	81732	17.71	ug/l	100
5) Bromomethane	1.64	94	36651	20.06	ug/l	98
6) Chloroethane	1.72	64	49311	17.80	ug/l	97
7) Trichlorofluoromethane	1.93	101	113424	18.53	ug/l	98
8) Diethyl Ether	2.19	74	48199	18.40	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	75086	19.42	ug/l	95
10) Methyl Iodide	2.51	142	56257	13.60	ug/l	92
11) Tert butyl alcohol	3.07	59	83136	81.43	ug/l	100
12) 1,1-Dichloroethene	2.37	96	67835	18.56	ug/l	83
13) Acrolein	2.29	56	44525	90.91	ug/l	98
14) Allyl chloride	2.73	41	117609	17.74	ug/l	88
15) Acrylonitrile	3.15	53	195183	83.44	ug/l	97
16) Acetone	2.45	43	152879	80.96	ug/l	90
17) Carbon Disulfide	2.57	76	165446	16.50	ug/l	98
18) Methyl Acetate	2.78	43	120224	19.55	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	221578	18.26	ug/l	100
20) Methylene Chloride	2.85	84	76586	21.82	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	70255	17.80	ug/l	93
22) Diisopropyl ether	3.87	45	226671	17.63	ug/l #	94
23) Vinyl Acetate	3.82	43	891363	84.06	ug/l #	92
24) 1,1-Dichloroethane	3.70	63	131418	18.02	ug/l	99
25) 2-Butanone	4.71	43	248506	84.09	ug/l #	88
26) 2,2-Dichloropropane	4.59	77	99250	19.38	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	81286	19.14	ug/l	90
28) Bromochloromethane	5.02	49	61534	19.43	ug/l #	82
29) Tetrahydrofuran	5.17	42	160040	85.39	ug/l	90
30) Chloroform	5.21	83	129167	19.22	ug/l	92
31) Cyclohexane	5.57	56	108999	19.35	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	106963	18.71	ug/l	97
36) 1,1-Dichloropropene	5.80	75	92867	18.92	ug/l	97
37) Ethyl Acetate	4.86	43	94287	17.04	ug/l #	94
38) Carbon Tetrachloride	5.78	117	94174	18.85	ug/l	99

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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	110059	19.58	ug/l	92
40) Benzene	6.14	78	288099	19.29	ug/l	98
41) Methacrylonitrile	5.06	41	55253	18.16	ug/l	93
42) 1,2-Dichloroethane	6.20	62	92735	18.10	ug/l	94
43) Isopropyl Acetate	6.46	43	147408	17.65	ug/l #	93
44) Trichloroethene	7.21	130	86263	19.93	ug/l	94
45) 1,2-Dichloropropane	7.52	63	75181	19.35	ug/l	98
46) Dibromomethane	7.67	93	48684	18.82	ug/l	94
47) Bromodichloromethane	7.90	83	88025	18.58	ug/l	95
48) Methyl methacrylate	7.78	41	76665	18.00	ug/l #	83
49) 1,4-Dioxane	7.76	88	34468	353.39	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	483733	88.01	ug/l	91
52) Toluene	8.79	92	186020	19.89	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	110748	19.80	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	98028	19.20	ug/l #	88
55) 1,1,2-Trichloroethane	9.22	97	76403	19.55	ug/l	97
56) Ethyl methacrylate	9.18	69	104665	18.92	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	121189	19.30	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	269941	97.30	ug/l	96
59) 2-Hexanone	9.50	43	369202	87.42	ug/l	88
60) Dibromochloromethane	9.59	129	74190	19.11	ug/l	99
61) 1,2-Dibromoethane	9.68	107	77777	19.31	ug/l	100
64) Tetrachloroethene	9.34	164	97803	21.02	ug/l	96
65) Chlorobenzene	10.14	112	212040	20.19	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	75660	20.26	ug/l	99
67) Ethyl Benzene	10.26	91	346582	20.19	ug/l	100
68) m/p-Xylenes	10.36	106	273833	41.23	ug/l	96
69) o-Xylene	10.70	106	131441	20.61	ug/l	95
70) Styrene	10.71	104	218080	20.77	ug/l	97
71) Bromoform	10.86	173	57035	18.99	ug/l #	98
73) Isopropylbenzene	11.02	105	357488	20.49	ug/l	99
74) N-amyl acetate	6.46	43	147408	17.57	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	105905	18.39	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	96377m	19.54	ug/l	
77) Bromobenzene	11.26	156	100308	20.24	ug/l	96
78) n-propylbenzene	11.36	91	399992	20.52	ug/l	99
79) 2-Chlorotoluene	11.42	91	239517	20.04	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	295380	20.72	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	27892	18.37	ug/l	92
82) 4-Chlorotoluene	11.51	91	280479	20.12	ug/l	98
83) tert-Butylbenzene	11.77	119	286235	20.55	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	302037	20.63	ug/l	97
85) sec-Butylbenzene	11.95	105	349928	20.71	ug/l	100
86) p-Isopropyltoluene	12.07	119	314240	20.89	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	182563	20.13	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	184421	20.02	ug/l	99
89) n-Butylbenzene	12.39	91	263889	20.59	ug/l	99
90) Hexachloroethane	12.60	117	43178	18.94	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	183176	20.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20249	16.90	ug/l	85

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ClientSampleId :
VX0718WBS01

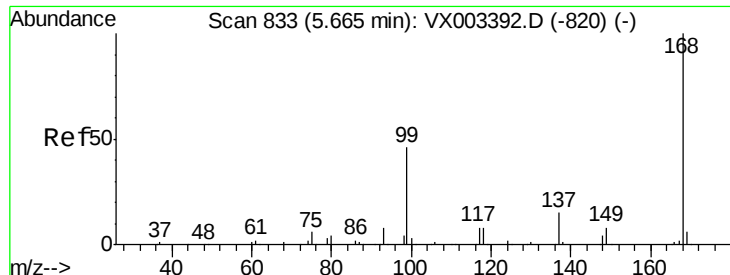
Manual Integrations
APPROVED

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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)
93) 1,2,4-Trichlorobenzene	13.65	180	130582	20.95	ug/l	100
94) Hexachlorobutadiene	13.79	225	63977	21.32	ug/l	99
95) Naphthalene	13.83	128	363171	20.33	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	132682	20.69	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: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion:168 Resp: 346672

Ion Ratio Lower Upper

168 100

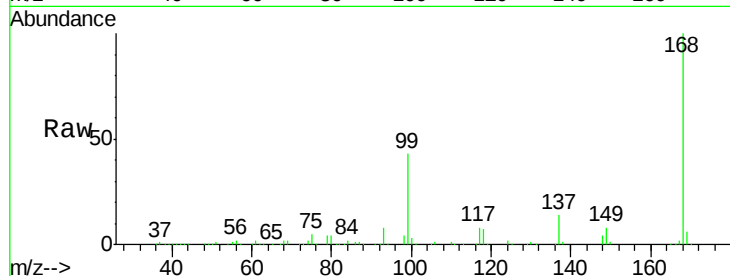
99 43.0 39.3 58.9

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

5.67

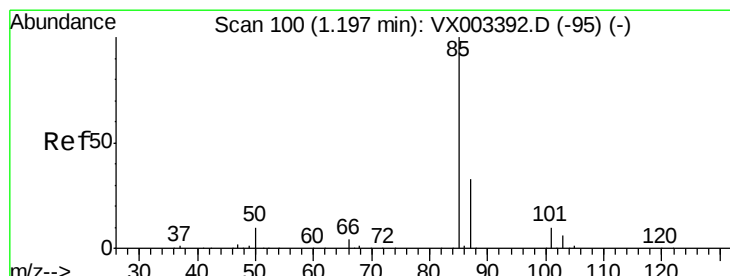
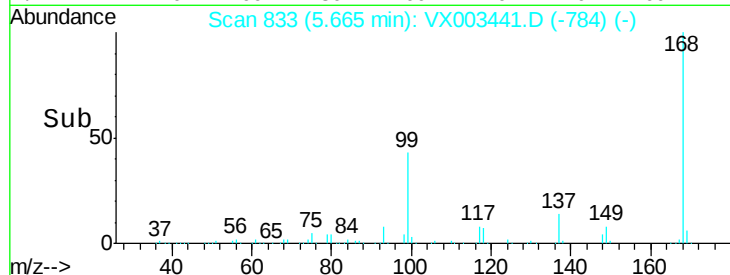
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.16 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003441.D

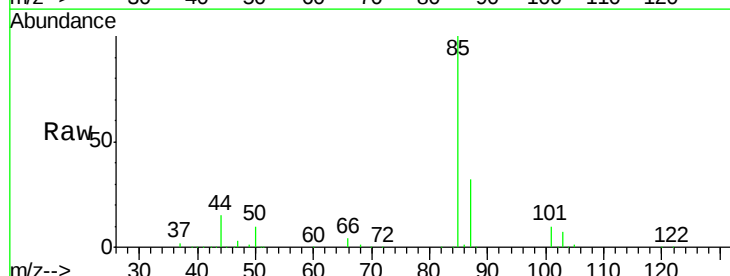
Acq: 18 Jul 2018 12:29

Tgt Ion: 85 Resp: 74966

Ion Ratio Lower Upper

85 100

87 32.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

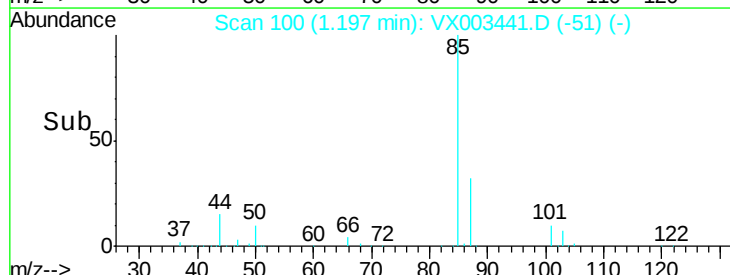
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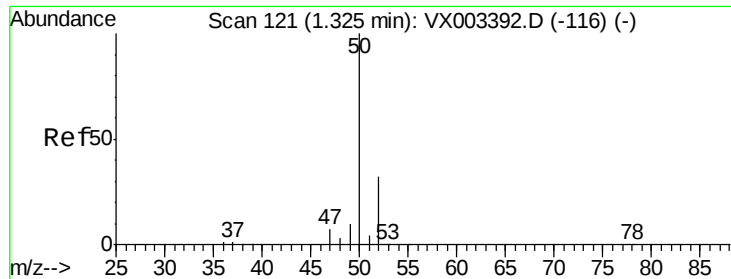
40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.06 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion: 50 Resp: 72246

Ion Ratio Lower Upper

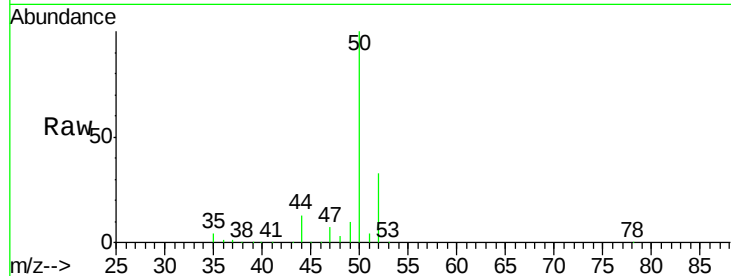
50 100

52 32.6 25.7 38.5

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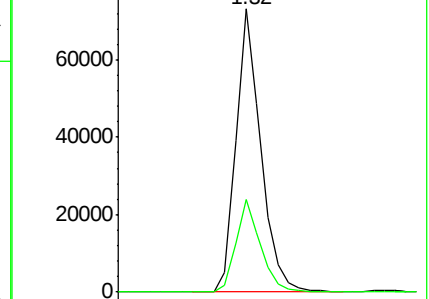
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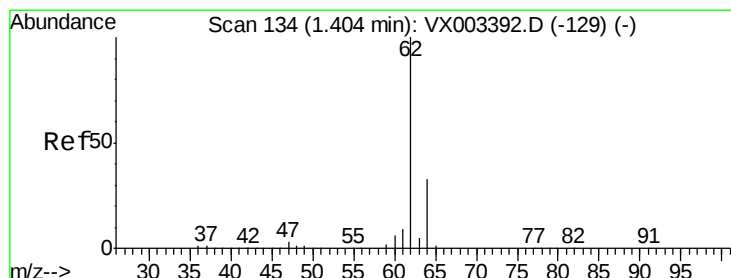
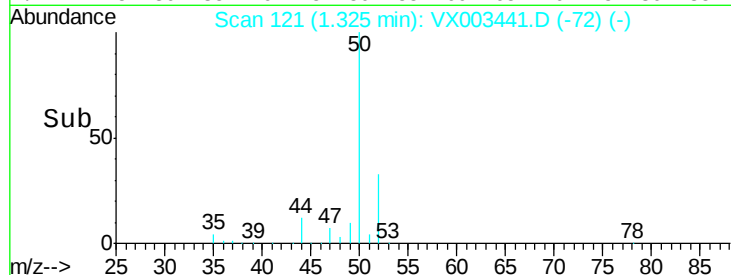


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 17.71 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003441.D

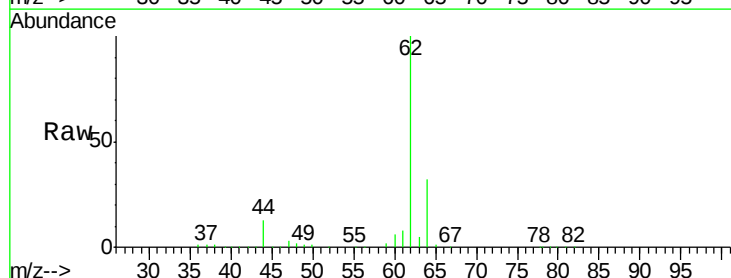
Acq: 18 Jul 2018 12:29

Tgt Ion: 62 Resp: 81732

Ion Ratio Lower Upper

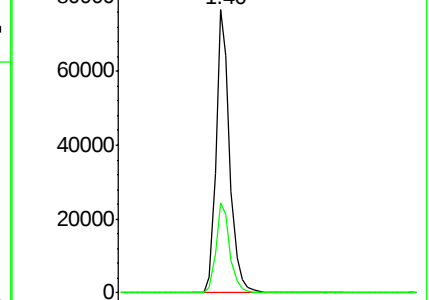
62 100

64 32.0 25.4 38.2

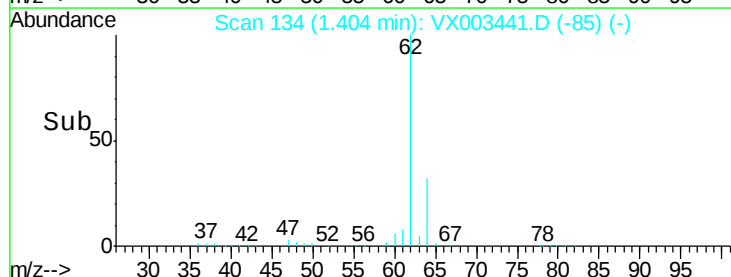


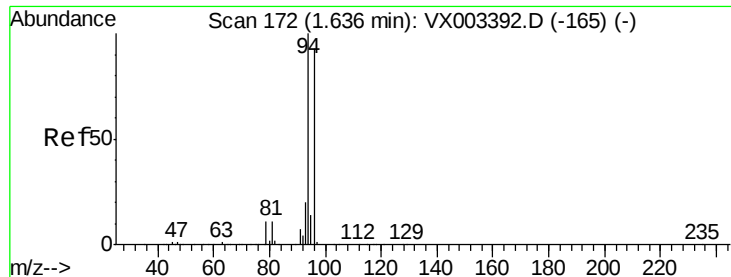
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 20.06 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion: 94 Resp: 36651

Ion Ratio Lower Upper

94 100

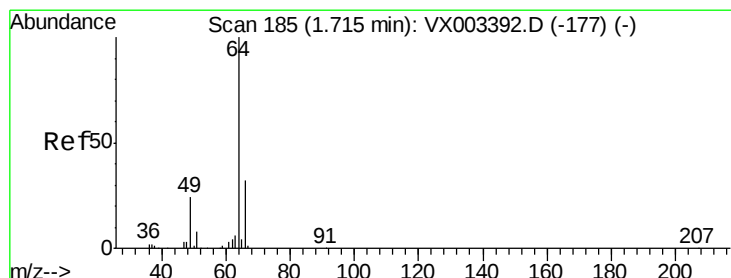
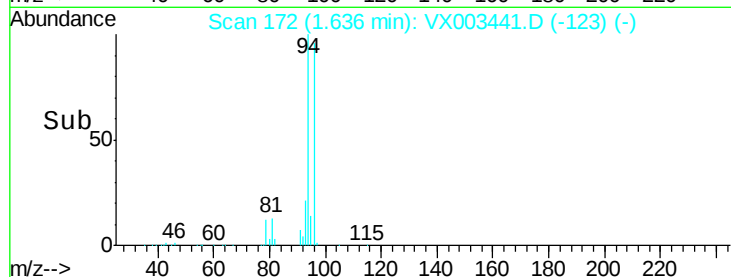
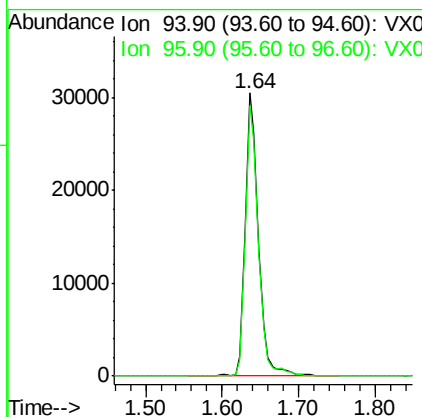
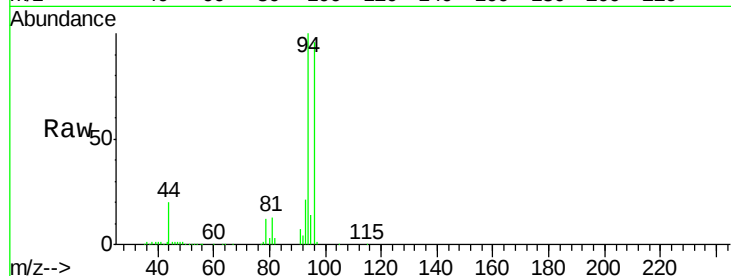
96 95.6 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 17.80 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003441.D

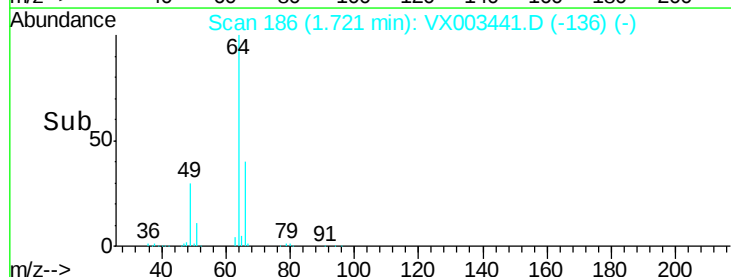
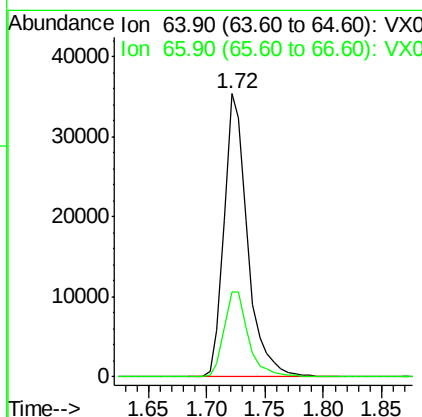
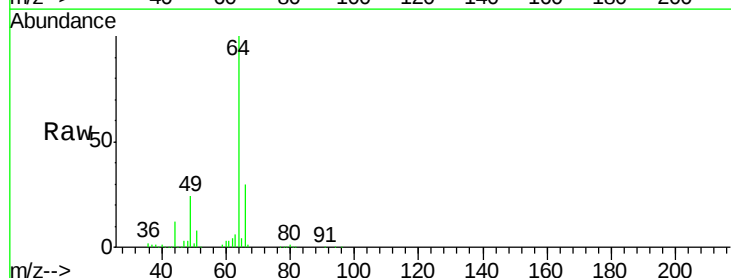
Acq: 18 Jul 2018 12:29

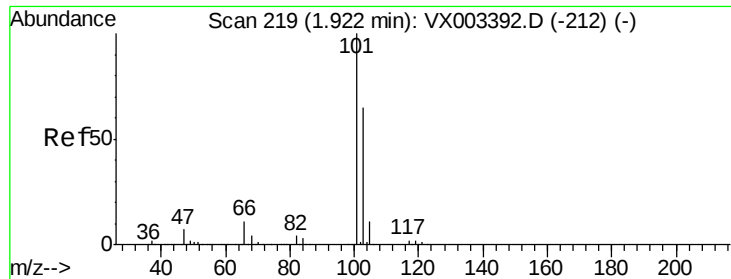
Tgt Ion: 64 Resp: 49311

Ion Ratio Lower Upper

64 100

66 30.1 25.5 38.3





#7

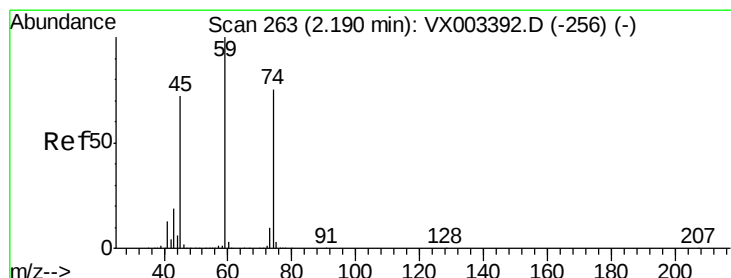
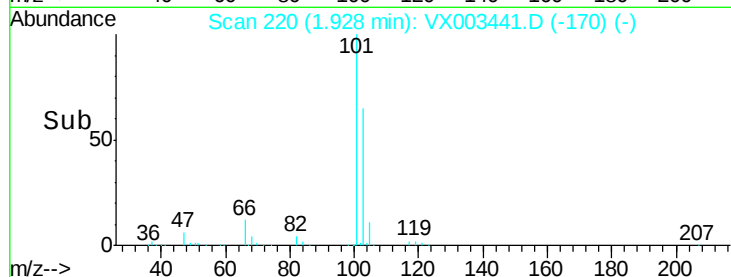
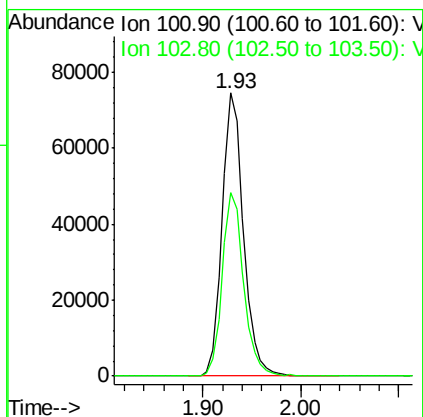
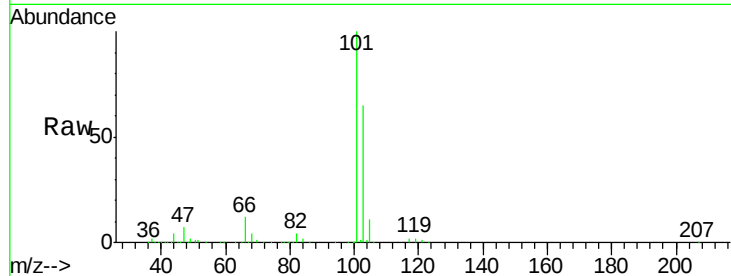
Trichlorofluoromethane
Concen: 18.53 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
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ClientSampleId :
VX0718WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.8	79.2

Manual Integrations
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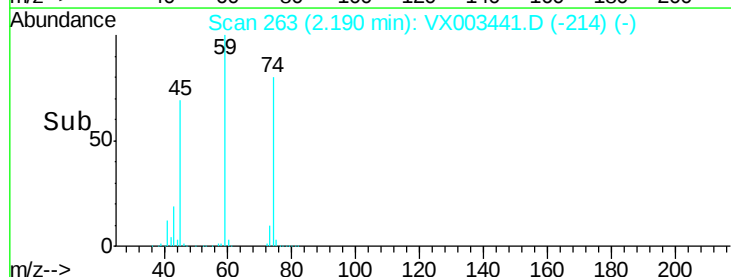
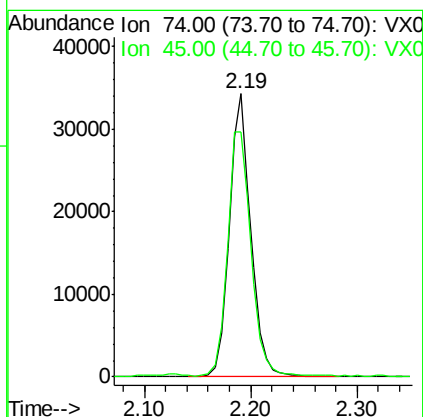
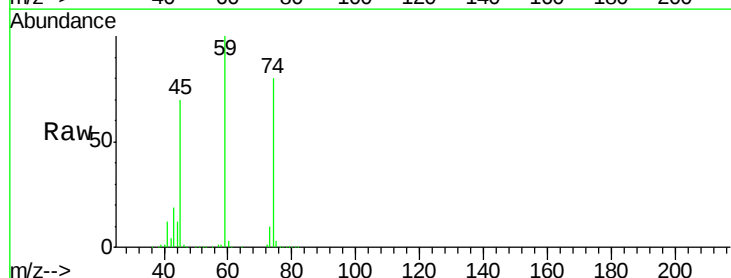
MMDadoda
7/19/2018 1:04:12 PM

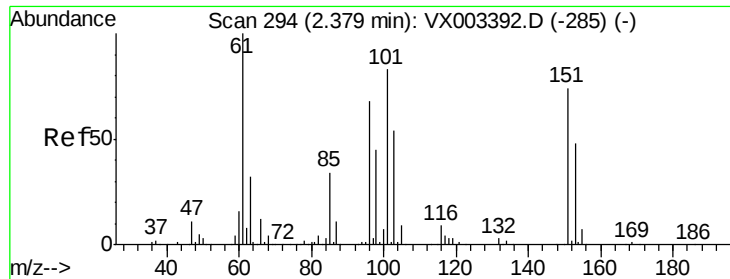


#8

Diethyl Ether
Concen: 18.40 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.42 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

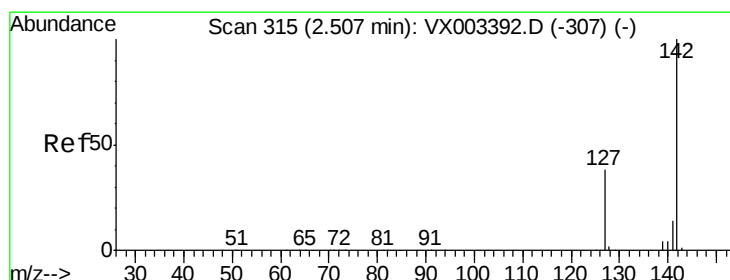
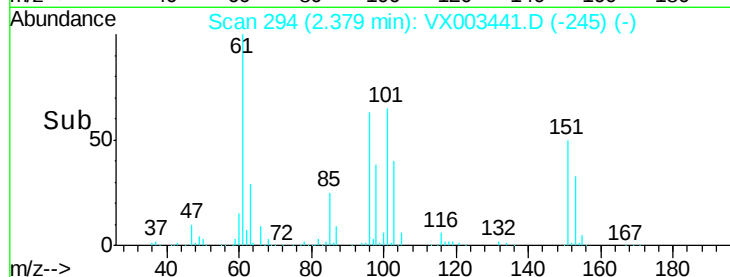
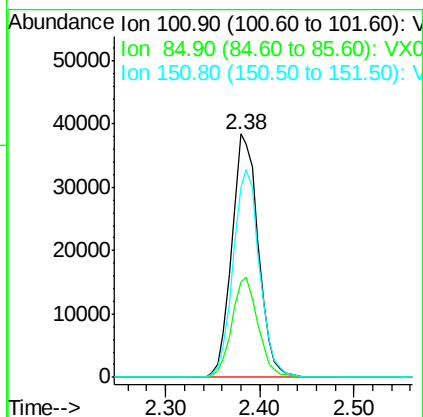
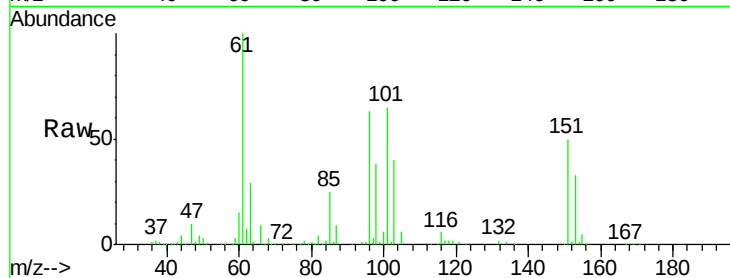
ClientSampleId :

VX0718WBS01

Tot Ion:	101	Resp:	75086
Ion Ratio	Lower	Upper	
101	100		
85	40.5	36.0	54.0
151	85.5	70.9	106.3

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#10

Methyl Iodide

Concen: 13.60 ug/l

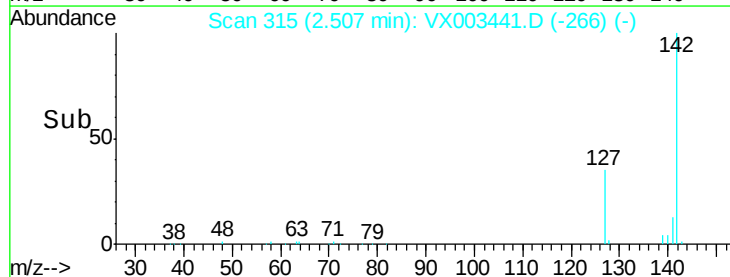
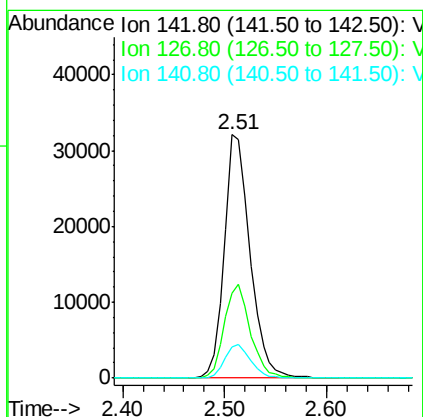
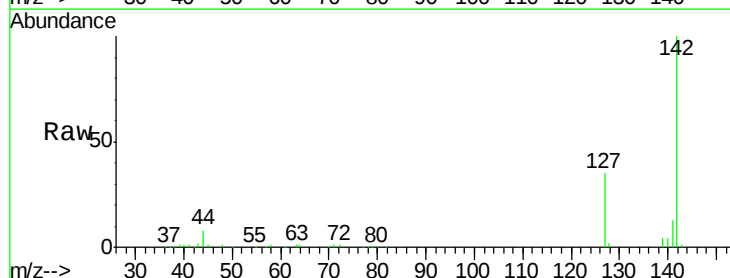
RT: 2.51 min Scan# 315

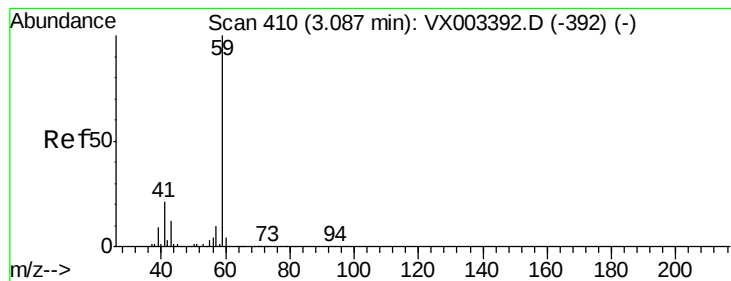
Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Tgt Ion:	142	Resp:	56257
Ion Ratio	Lower	Upper	
142	100		
127	38.8	36.6	55.0
141	13.9	11.3	16.9





#11

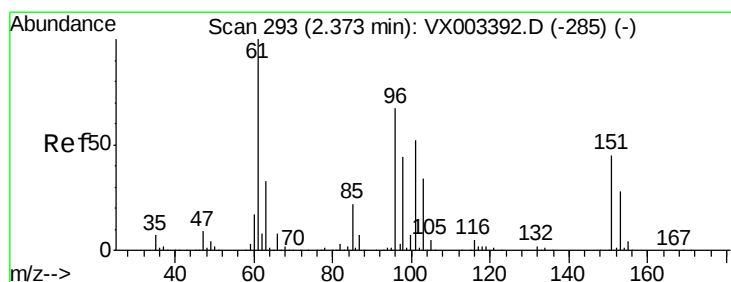
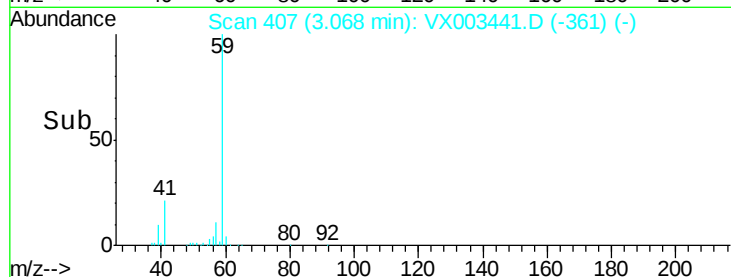
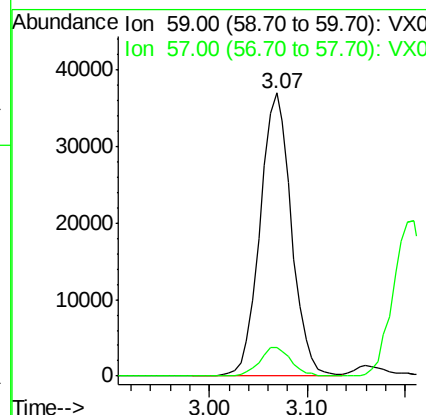
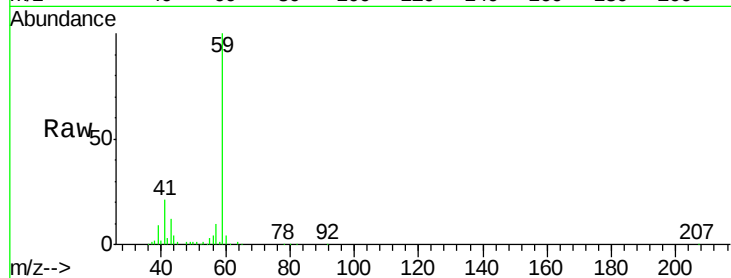
Tert butyl alcohol
Concen: 81.43 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion	59	57	Ratio	100	10.2	Resp	83136	Lower	8.2	Upper	12.2
Ion											

Manual Integrations
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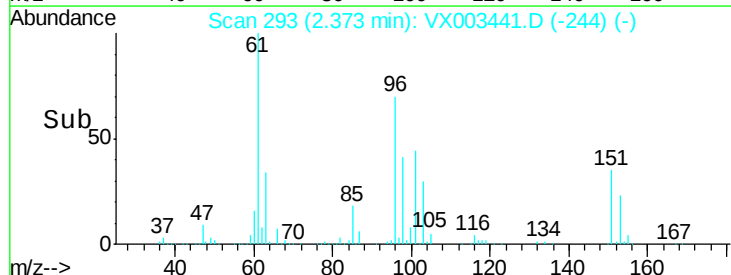
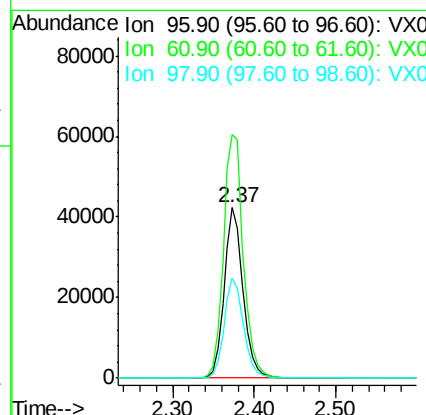
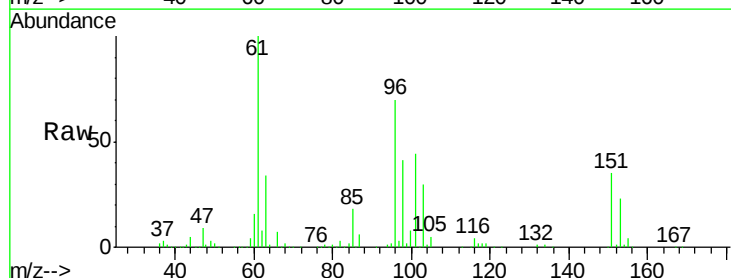
MMDadoda
7/19/2018 1:04:12 PM

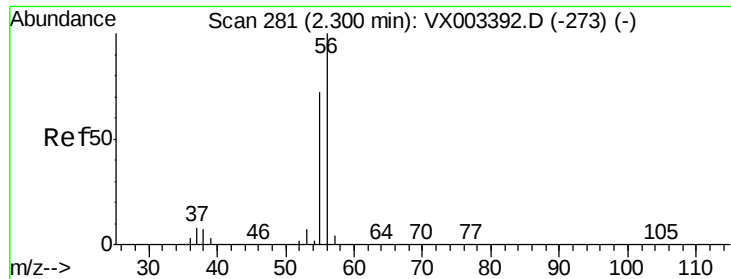


#12

1,1-Dichloroethene
Concen: 18.56 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion	96	61	98	Ratio	100	143.2	58.9	Resp	67835	Lower	137.9	51.6	Upper	206.9	77.4
Ion															





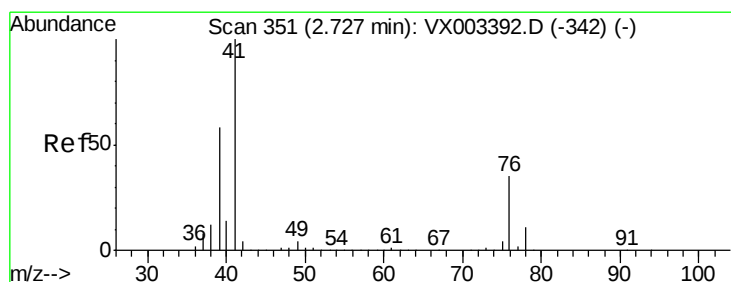
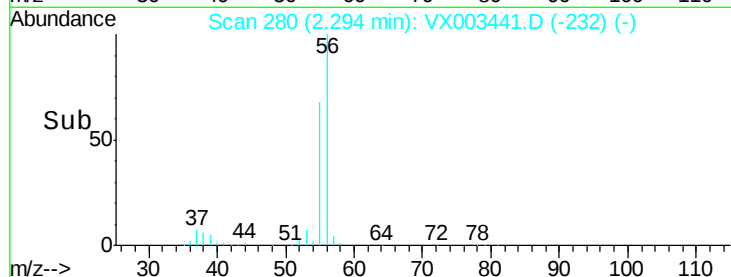
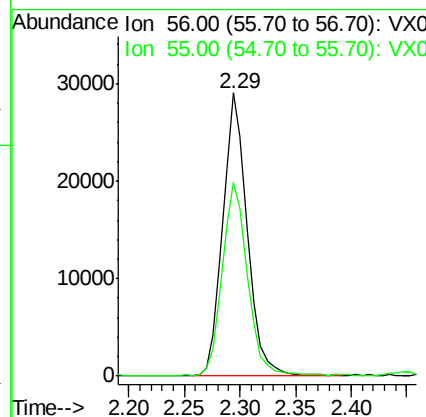
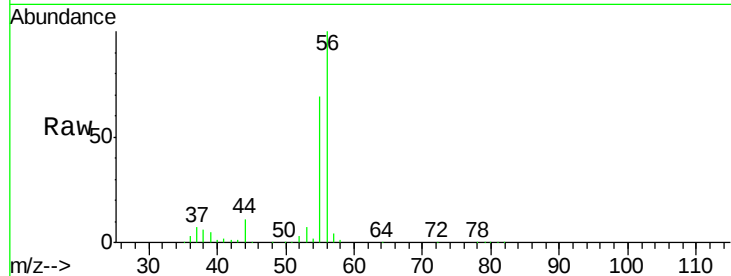
#13
Acrolein
Concen: 90.91 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion	56	Resp	44525
Ion Ratio	100	Lower	Upper
55	69.7	57.0	85.4

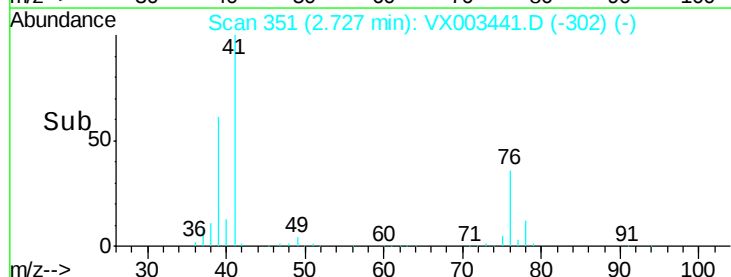
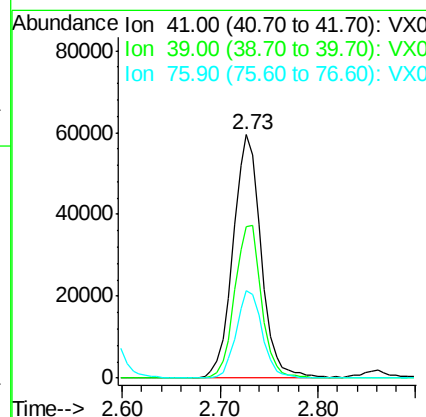
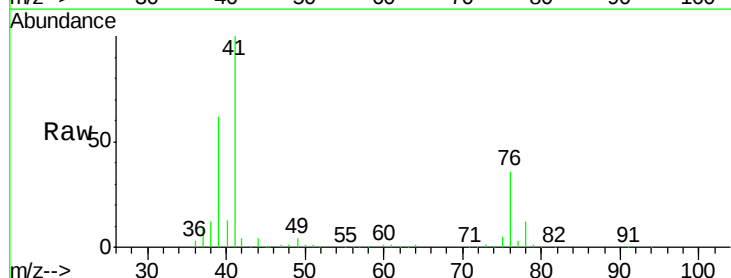
Manual Integrations
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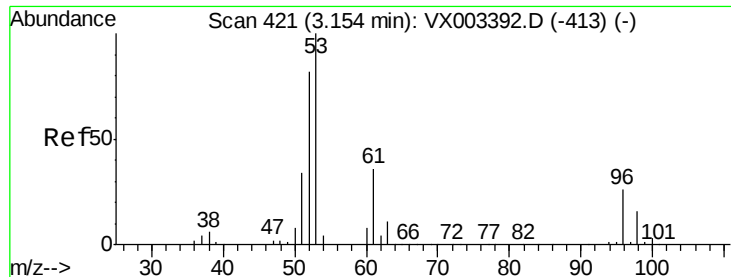
MMDadoda
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#14
Allyl chloride
Concen: 17.74 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion	41	Resp	117609
Ion Ratio	100	Lower	Upper
39	59.7	56.8	85.2
76	33.7	23.8	35.8





#15

Acrylonitrile

Concen: 83.44 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

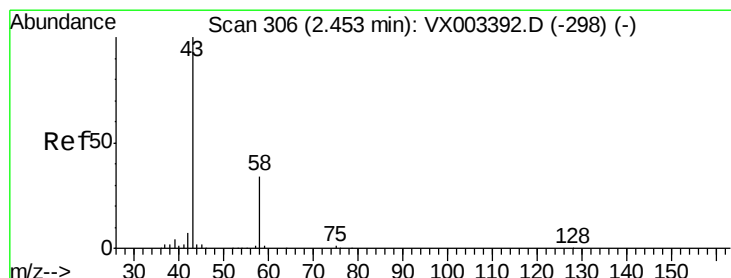
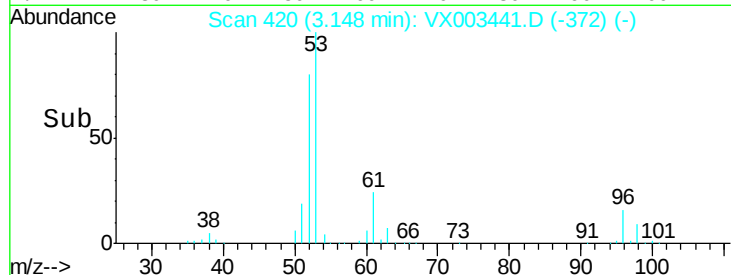
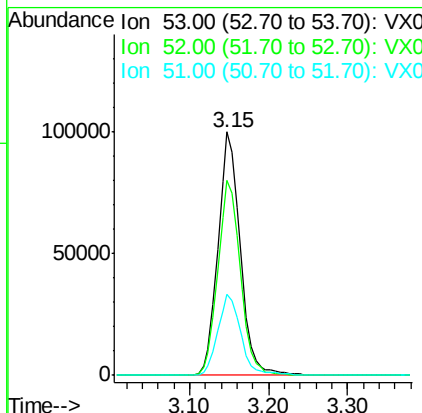
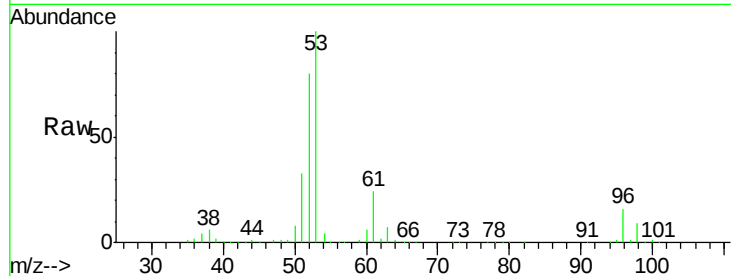
ClientSampleId :

VX0718WBS01

Tot Ion:	53	Resp:	195183
Ion Ratio	Lower	Upper	
53	100		
52	81.5	66.7	100.1
51	34.4	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 80.96 ug/l

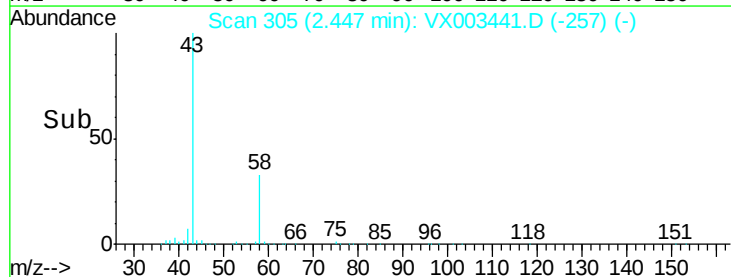
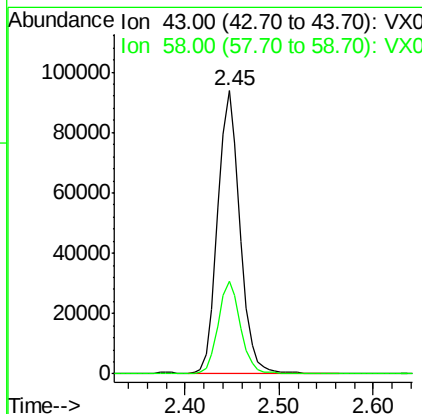
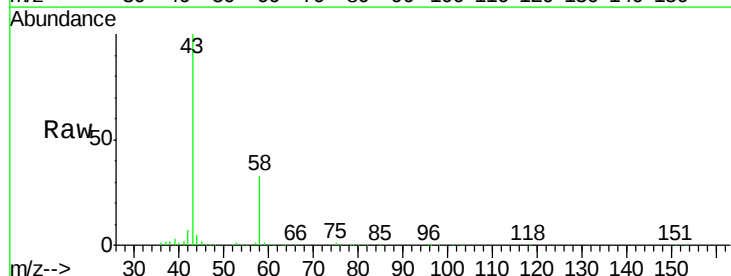
RT: 2.45 min Scan# 305

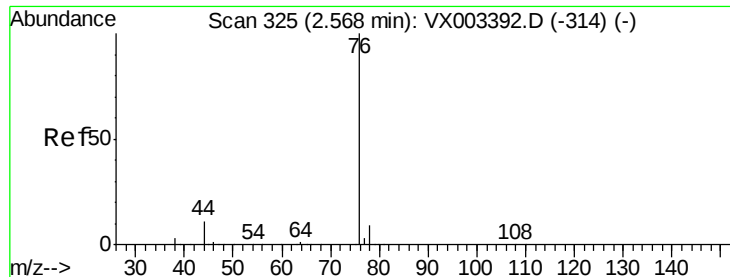
Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Tgt Ion:	43	Resp:	152879
Ion Ratio	Lower	Upper	
43	100		
58	32.9	22.1	33.1





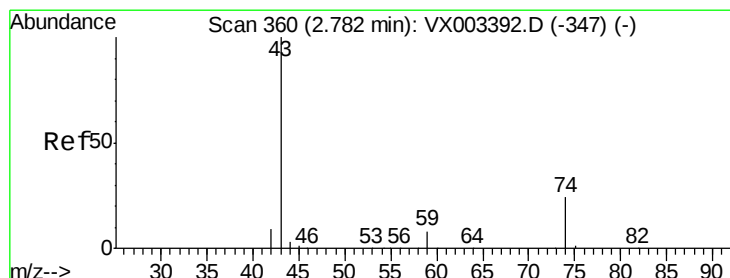
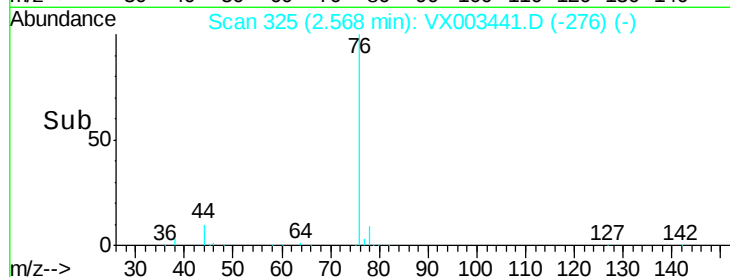
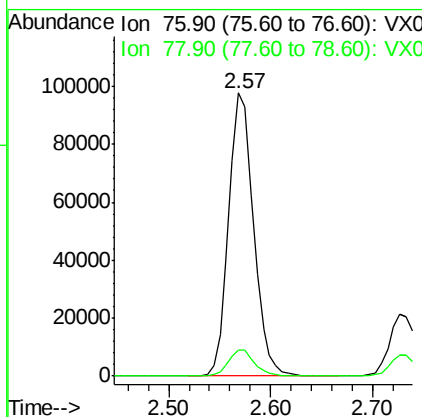
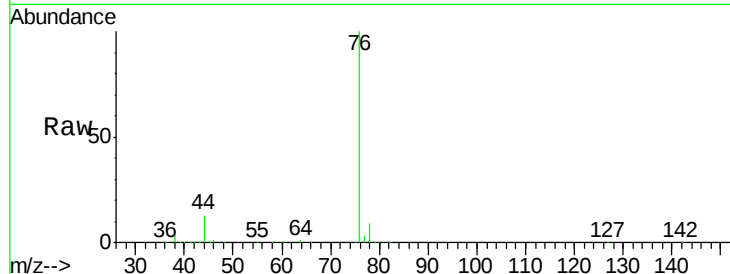
#17
Carbon Disulfide
Concen: 16.50 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

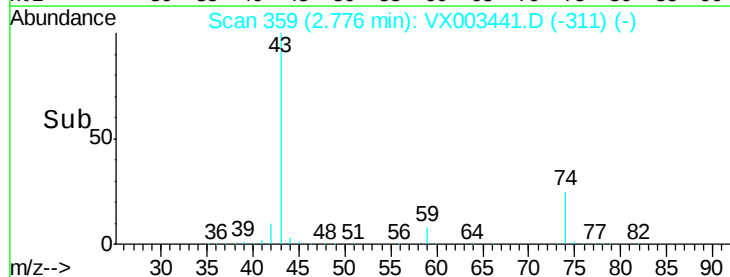
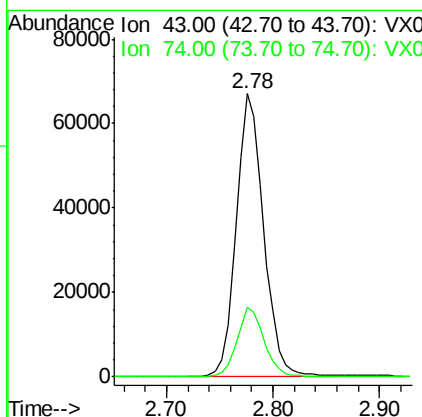
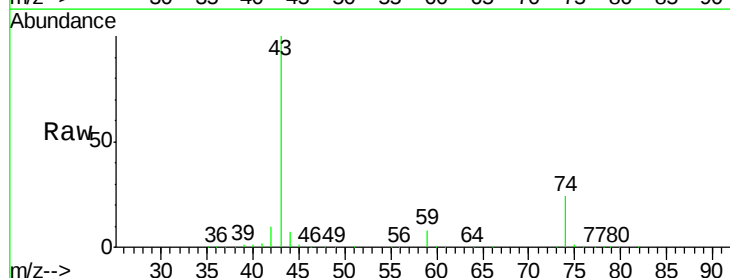
Manual Integrations
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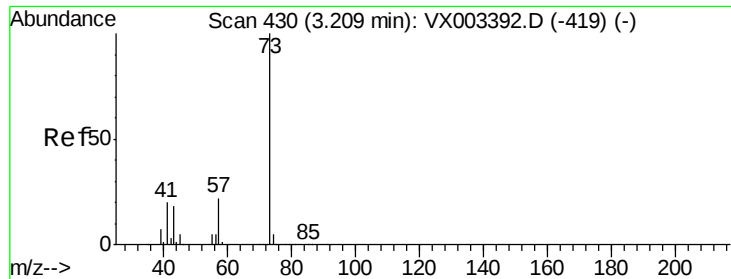
MMDadoda
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#18
Methyl Acetate
Concen: 19.55 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	16.7	25.1





#19

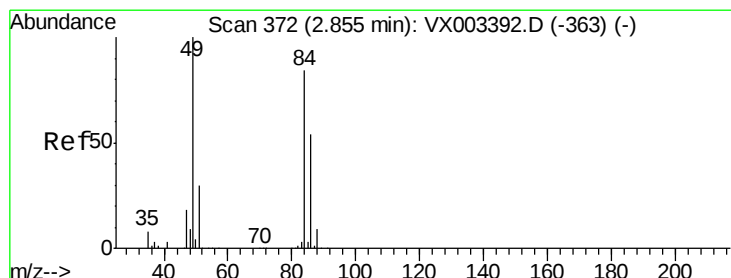
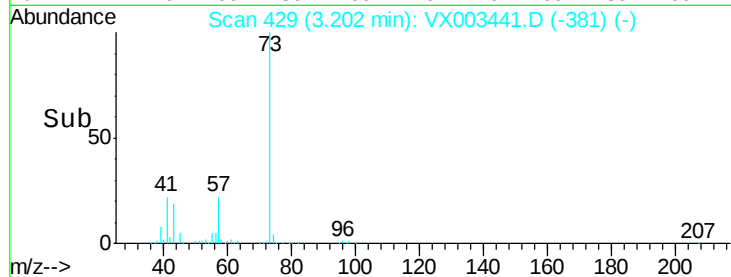
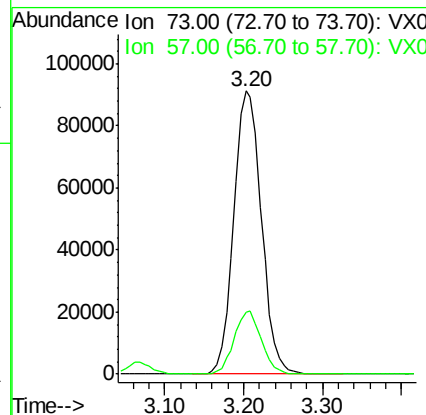
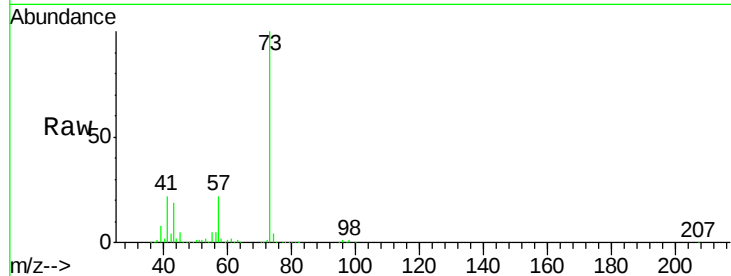
Methyl tert-butyl Ether
 Concen: 18.26 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

Manual Integrations
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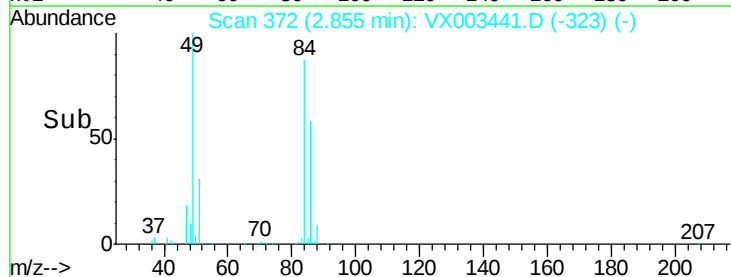
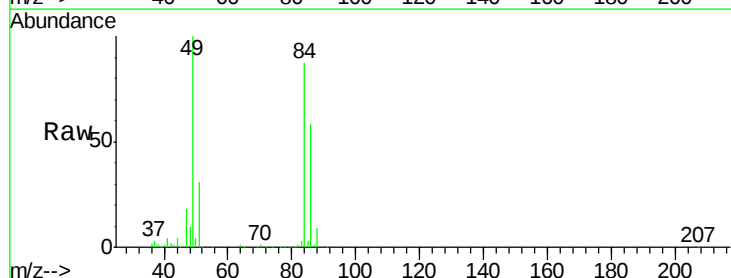
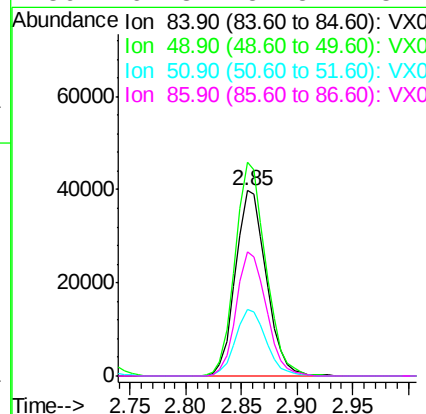
MMDadoda
 7/19/2018 1:04:12 PM

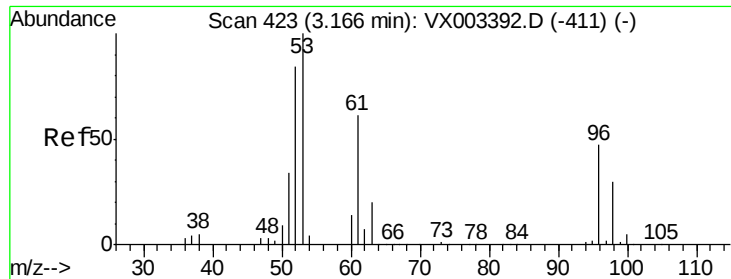


#20

Methylene Chloride
 Concen: 21.82 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.1	107.8	161.6
51	35.9	32.8	49.2
86	67.3	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 17.80 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion: 96 Resp: 70255

Ion Ratio Lower Upper

96 100

61 136.4 117.0 175.4

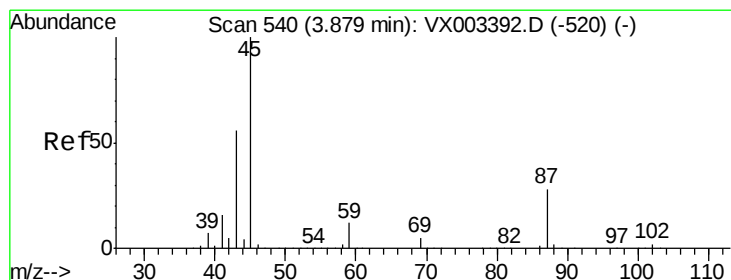
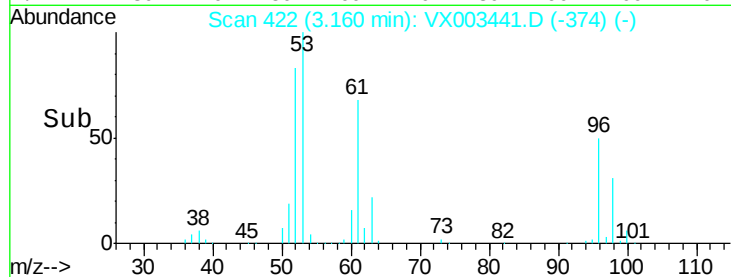
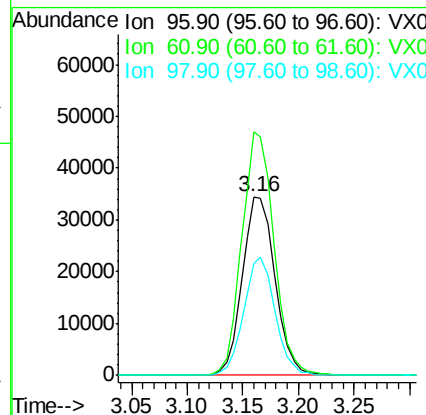
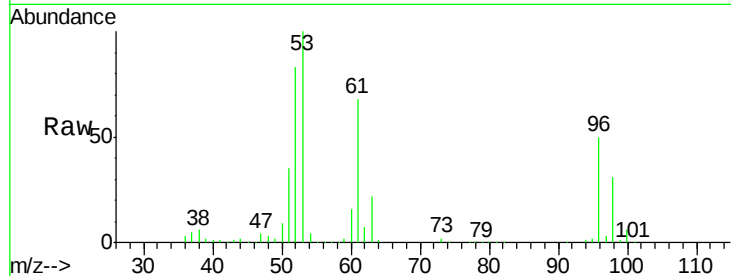
98 62.7 52.4 78.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 17.63 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Tgt Ion: 45 Resp: 226671

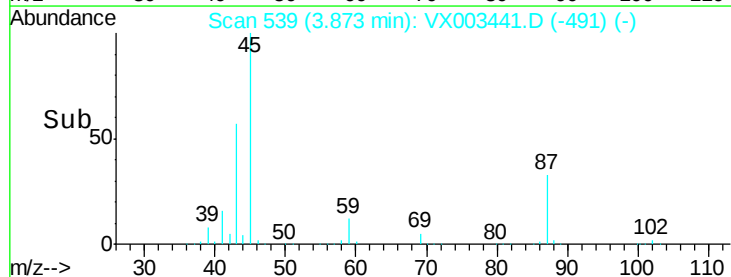
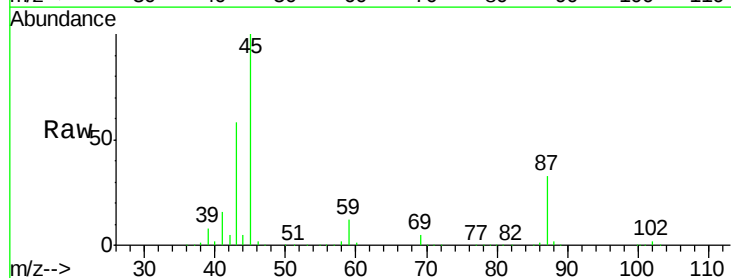
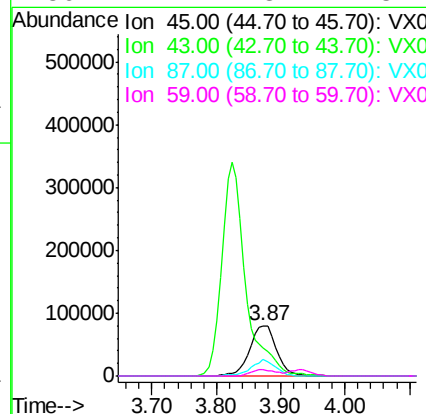
Ion Ratio Lower Upper

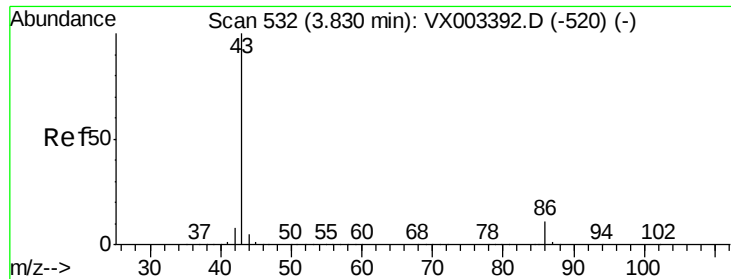
45 100

43 57.4 46.8 70.2

87 33.3 20.2 30.4#

59 12.1 8.7 13.1





#23

Vinyl Acetate

Concen: 84.06 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion: 43 Resp: 891363

Ion Ratio Lower Upper

43 100

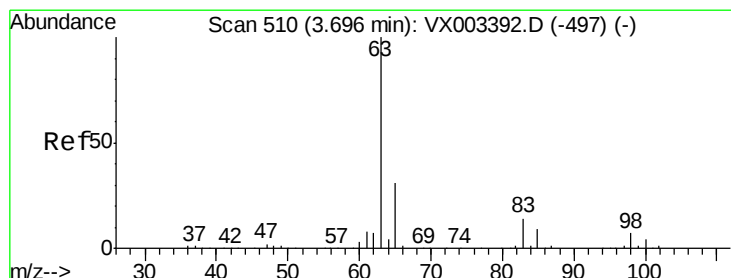
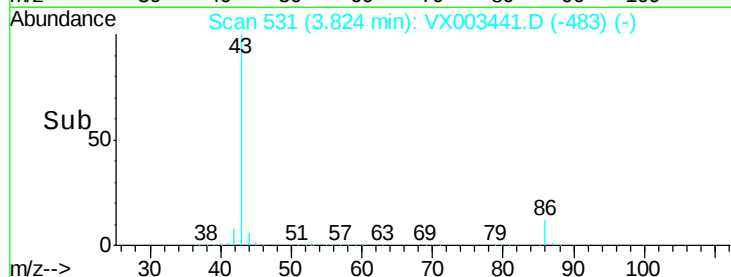
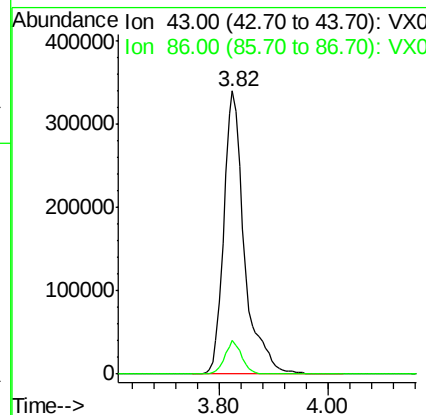
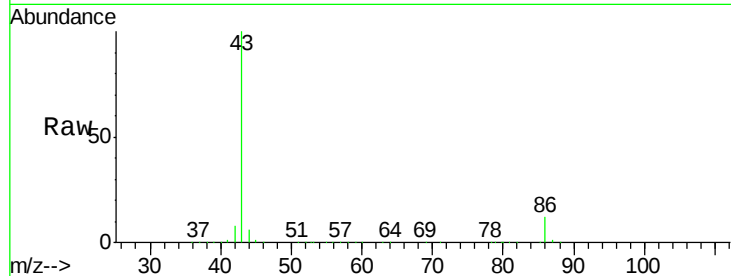
86 12.0 7.4 11.0#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.02 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

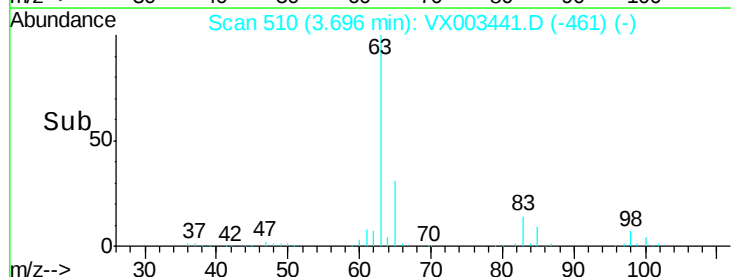
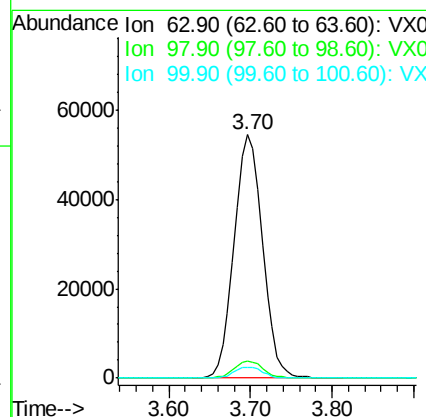
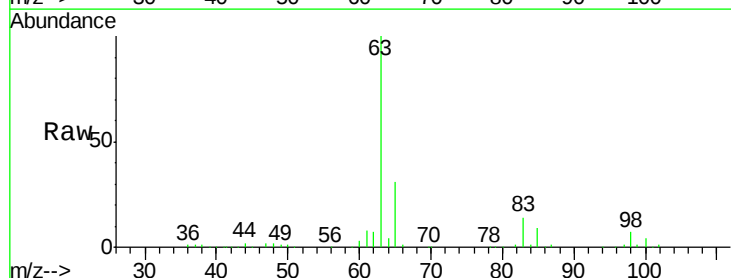
Tgt Ion: 63 Resp: 131418

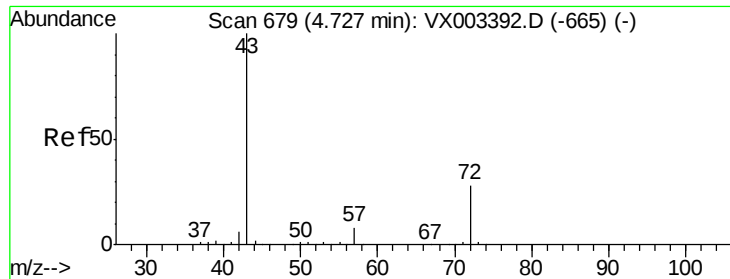
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 84.09 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.02 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion: 43 Resp: 248506

Ion Ratio Lower Upper

43 100

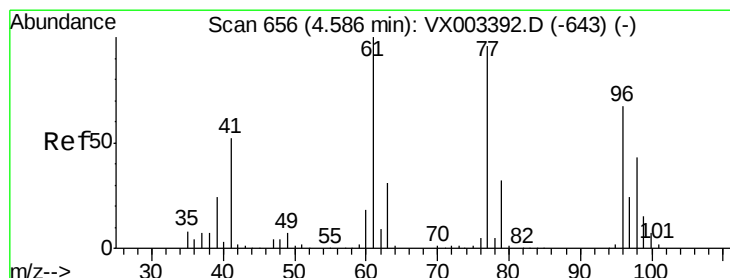
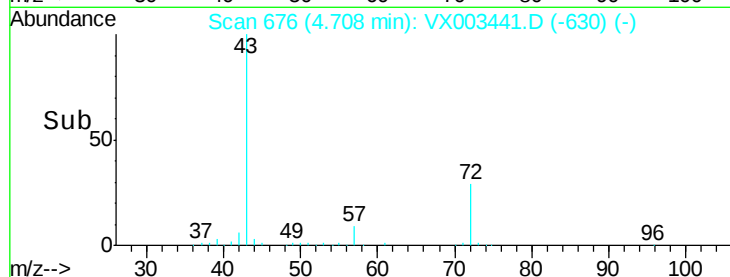
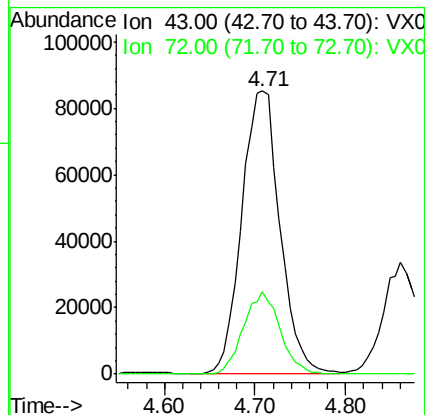
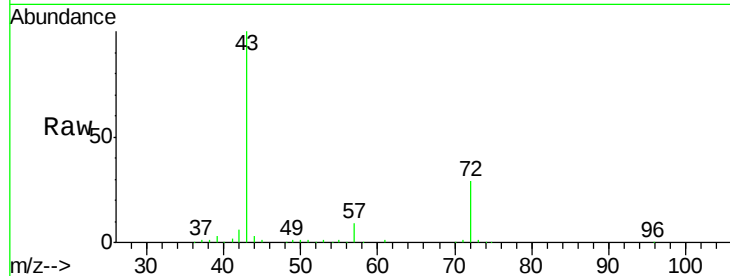
72 29.0 18.5 27.7#

Manual Integrations

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MMDadoda

7/19/2018 1:04:12 PM



#26

2,2-Dichloropropane

Concen: 19.38 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003441.D

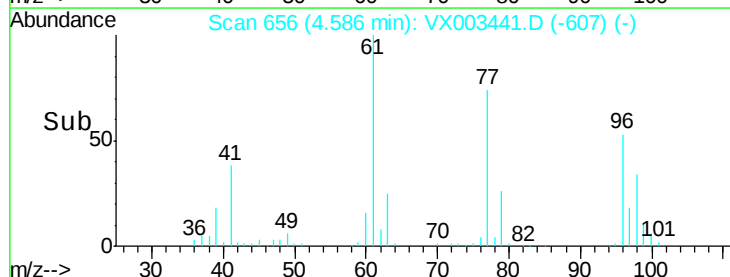
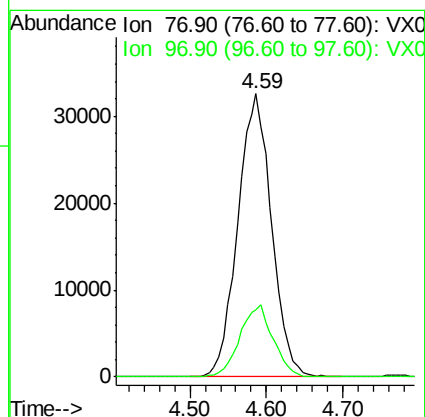
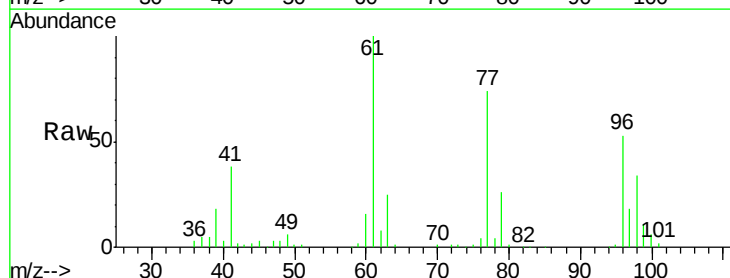
Acq: 18 Jul 2018 12:29

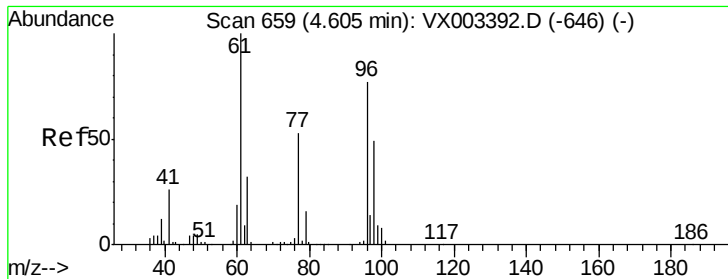
Tgt Ion: 77 Resp: 99250

Ion Ratio Lower Upper

77 100

97 25.1 11.2 33.5





#27

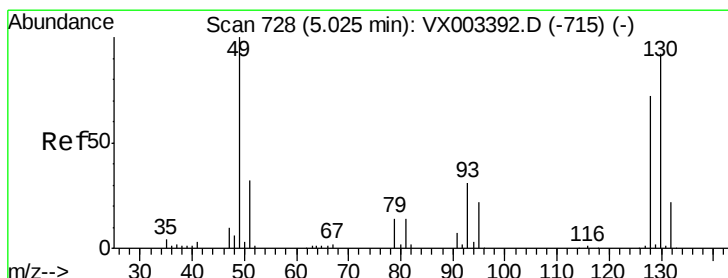
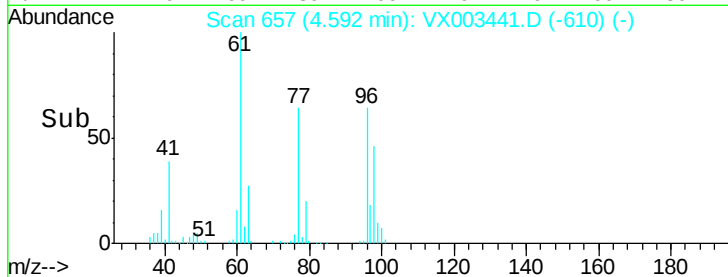
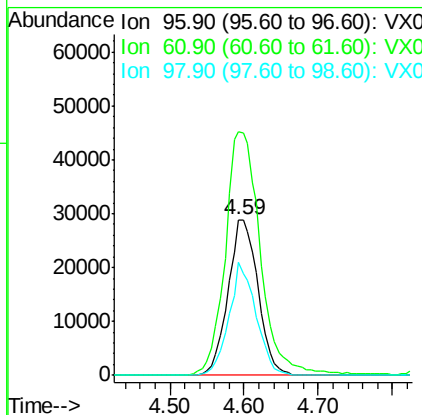
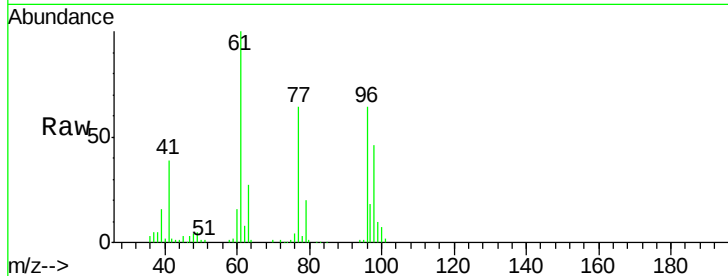
cis-1,2-Dichloroethene
 Concen: 19.14 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	184.3	0.0	330.2
98	65.4	0.0	130.2

Manual Integrations
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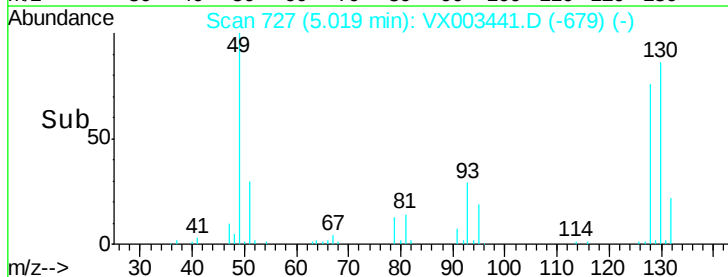
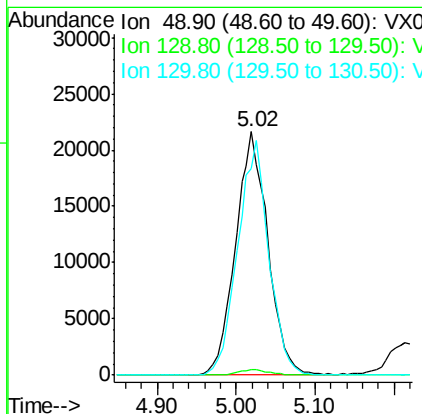
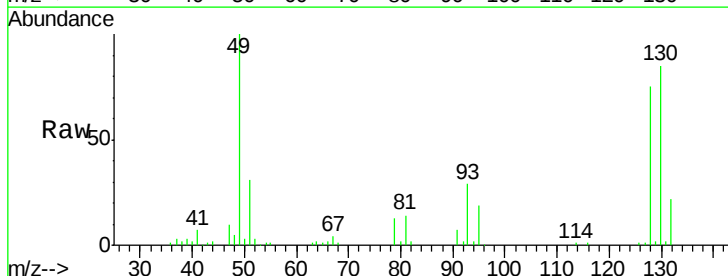
MMDadoda
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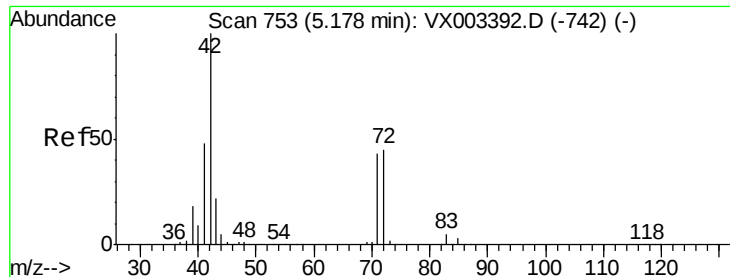


#28

Bromochloromethane
 Concen: 19.43 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	92.2	61.2	91.8#





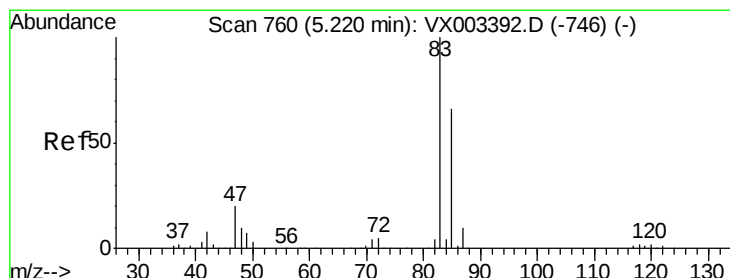
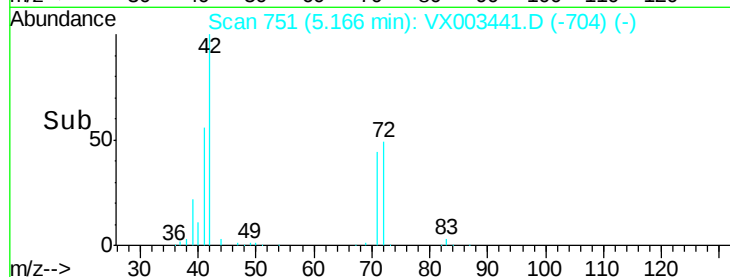
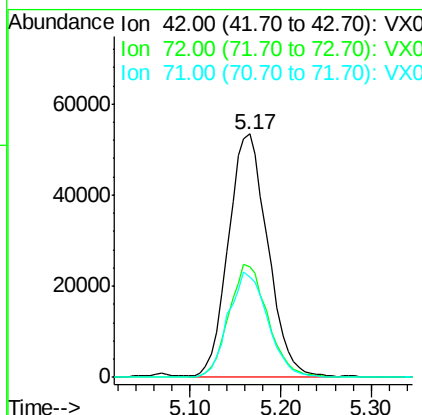
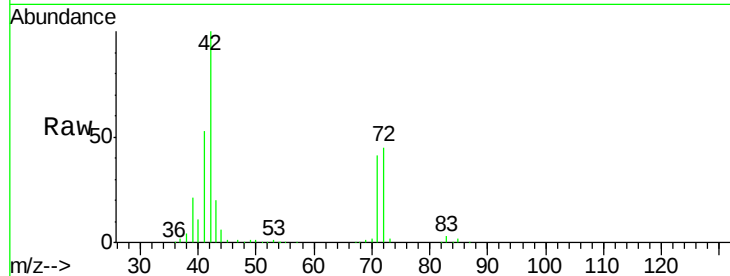
#29
Tetrahydrofuran
Concen: 85.39 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	32.0	48.0
71	43.4	30.1	45.1

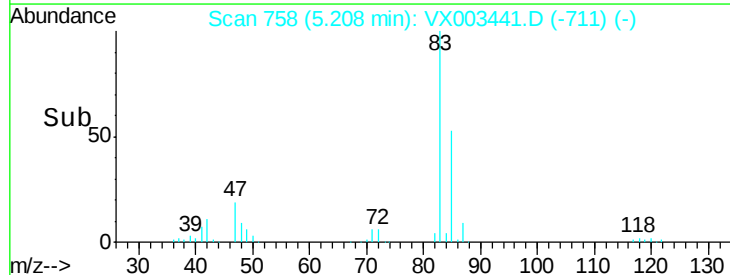
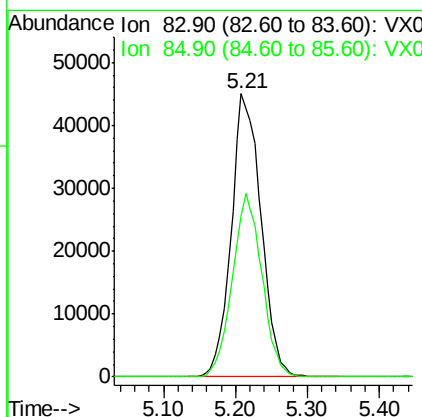
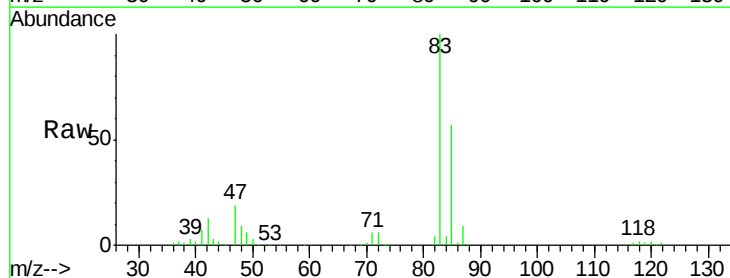
Manual Integrations
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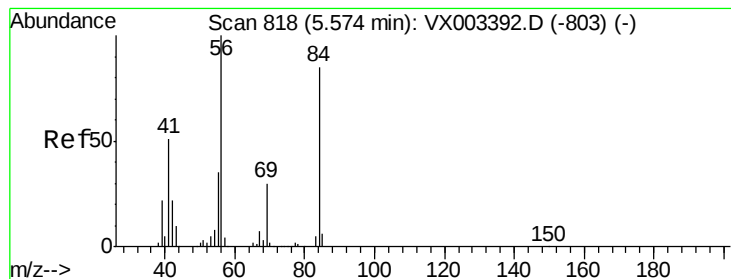
MMDadoda
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#30
Chloroform
Concen: 19.22 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.6	50.4	75.6





#31

Cyclohexane

Concen: 19.35 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

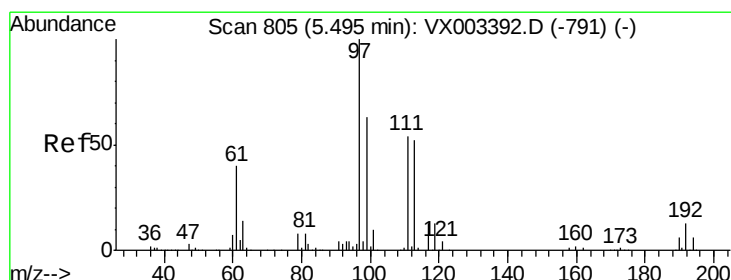
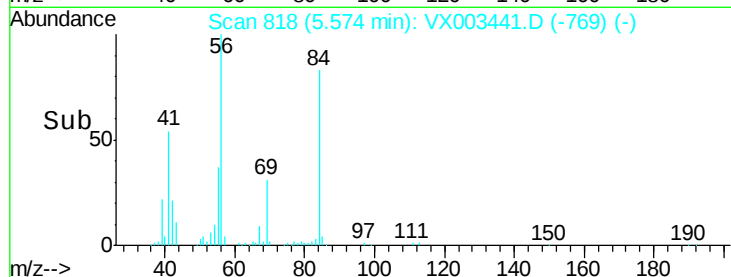
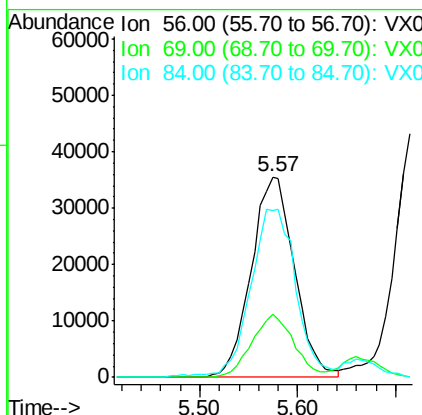
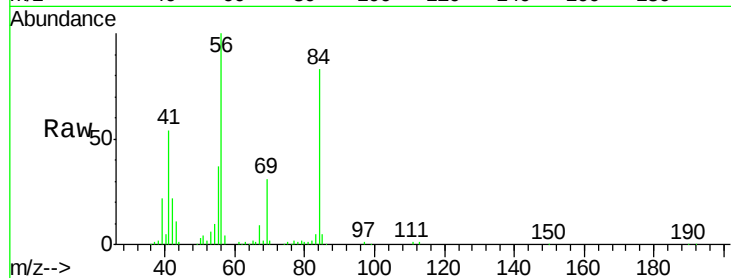
ClientSampleId :

VX0718WBS01

Tot Ion:	56	Resp:	108999
Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.7	35.5
84	82.3	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.71 ug/l

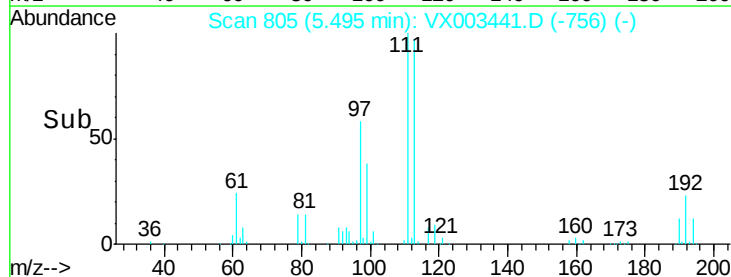
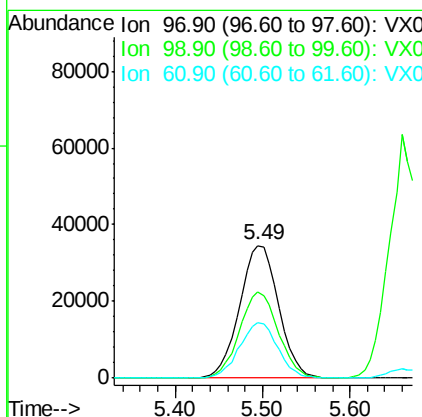
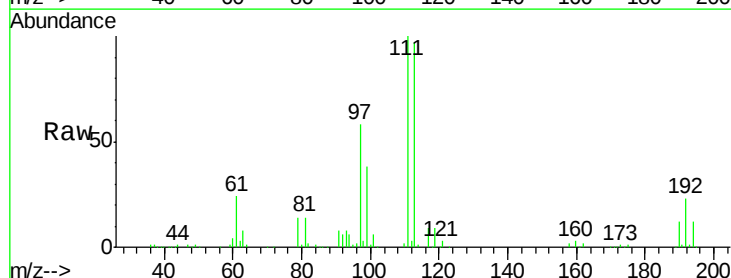
RT: 5.49 min Scan# 805

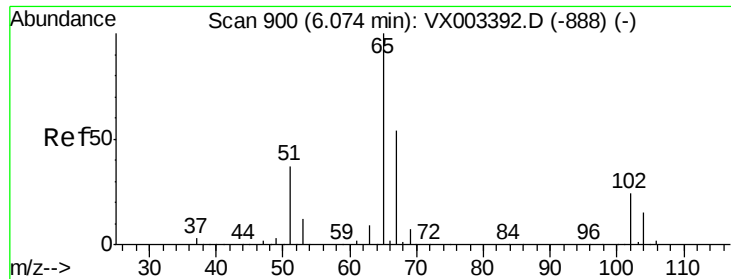
Delta R.T. 0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Tgt Ion:	97	Resp:	106963
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	41.4	36.4	54.6





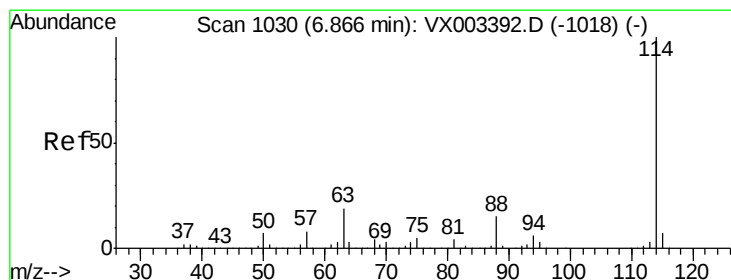
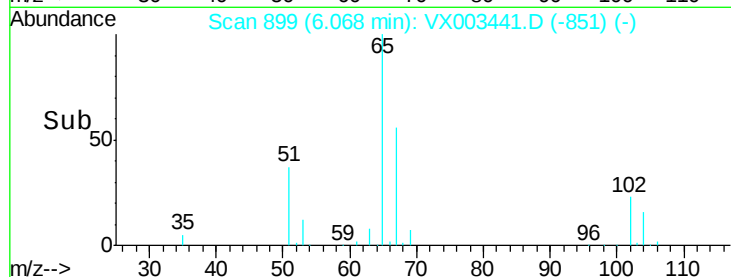
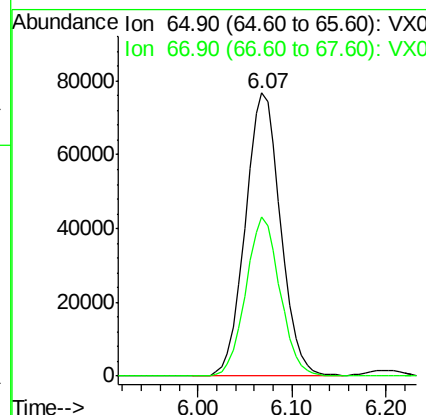
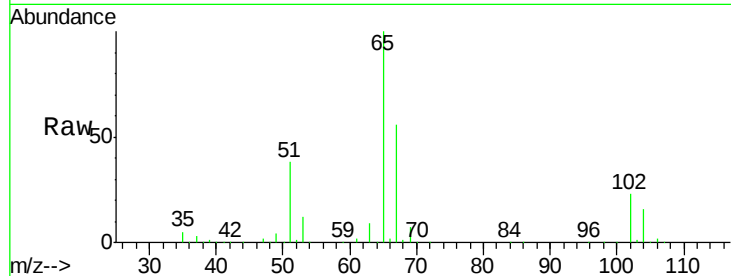
#33
 1,2-Dichloroethane-d4
 Concen: 44.22 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200778		
67	54.7	0.0	102.6	

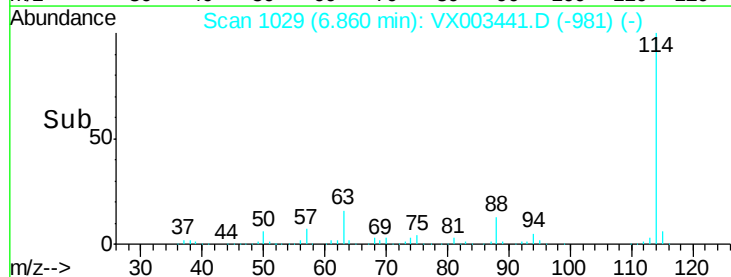
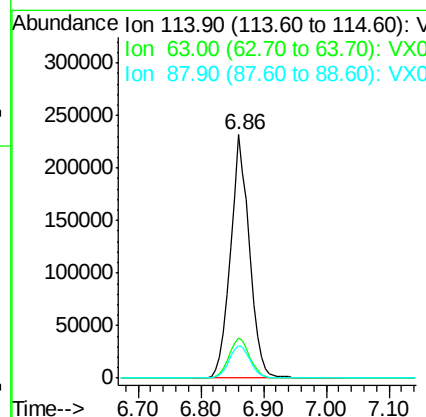
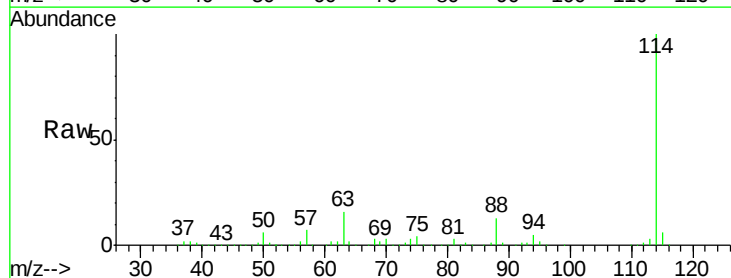
Manual Integrations
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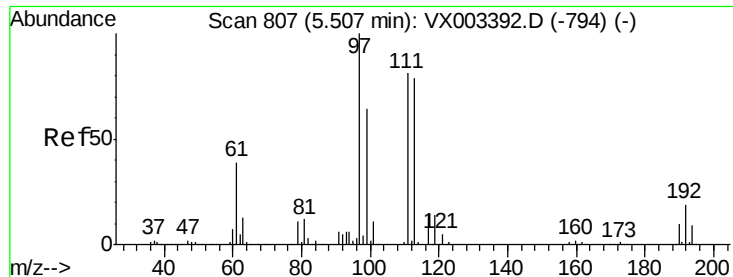
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	484825		
63	16.3	0.0	41.4	
88	13.3	0.0	30.0	





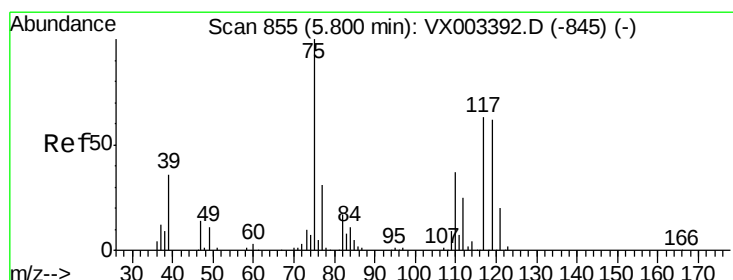
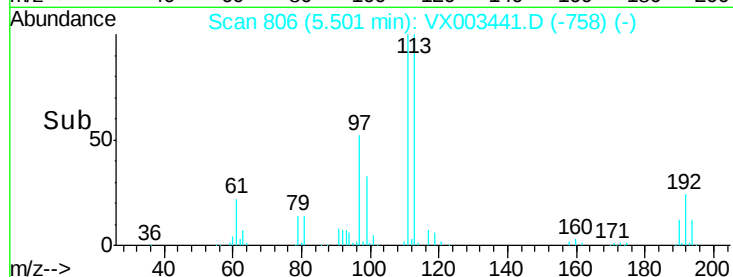
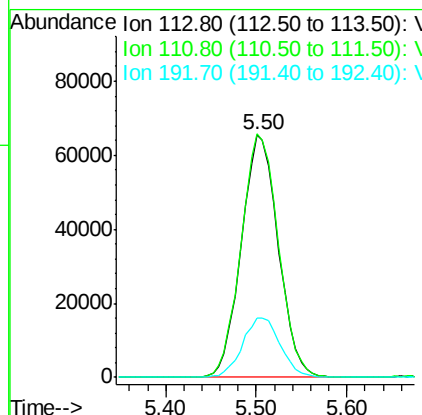
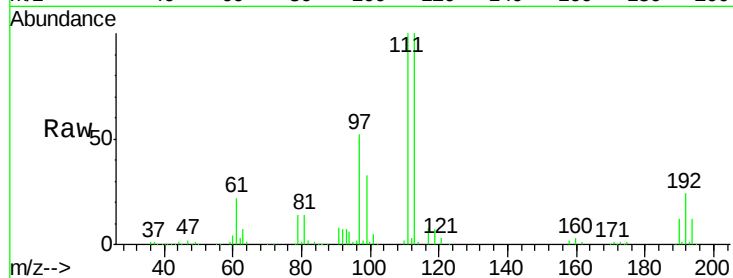
#35
Dibromofluoromethane
Concen: 47.09 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184723		
111	101.6	81.4	122.0	
192	25.1	19.1	28.7	

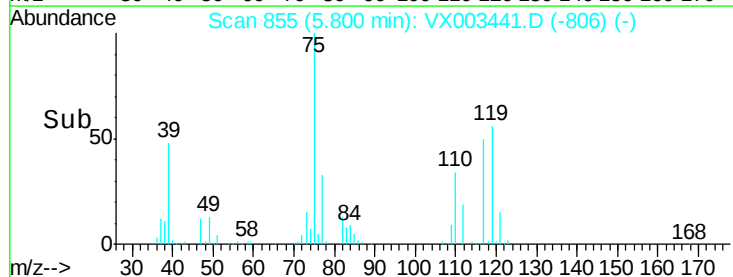
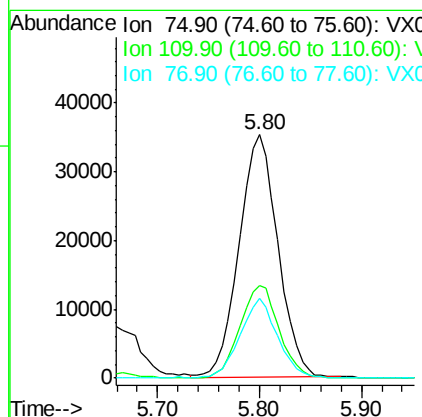
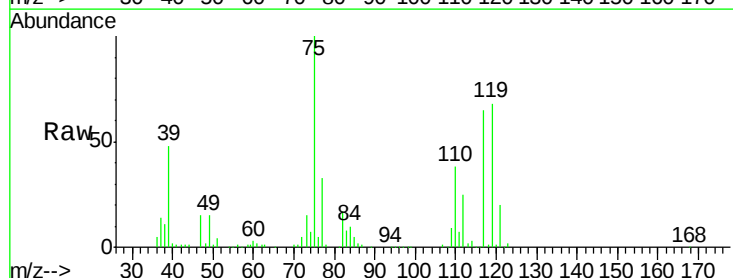
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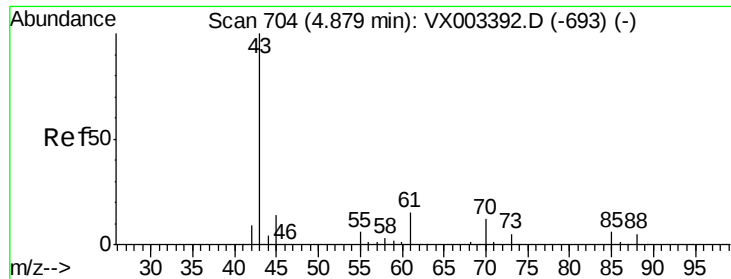
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#36
1,1-Dichloropropene
Concen: 18.92 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	92867		
110	38.5	18.1	54.4	
77	31.8	24.3	36.5	





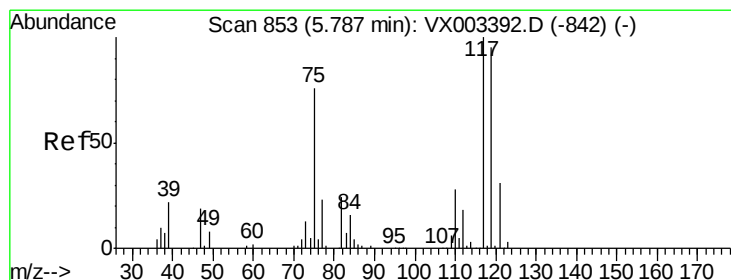
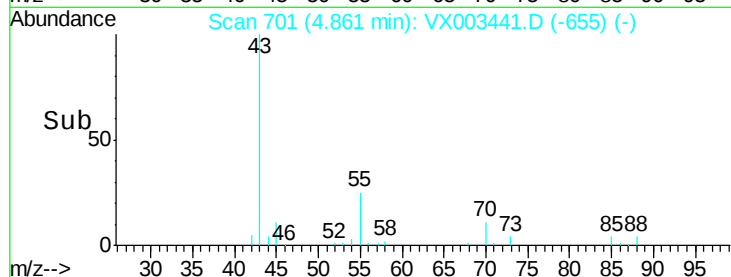
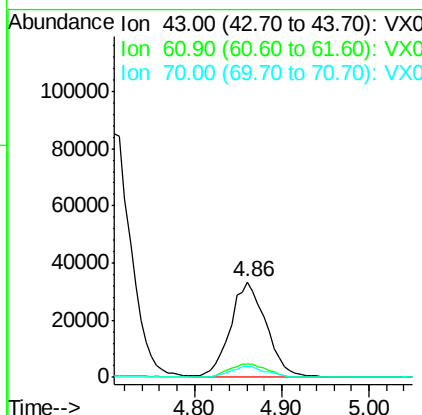
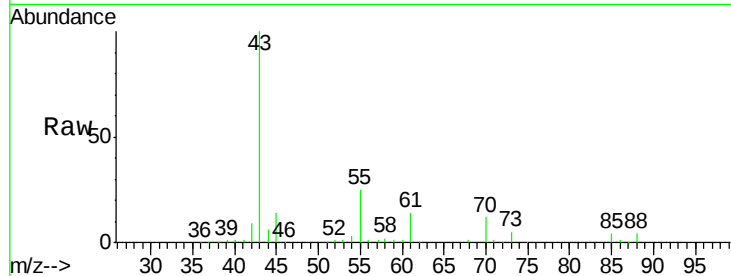
#37
Ethyl Acetate
Concen: 17.04 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.02 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.4	15.6
70	11.9	7.6	11.4

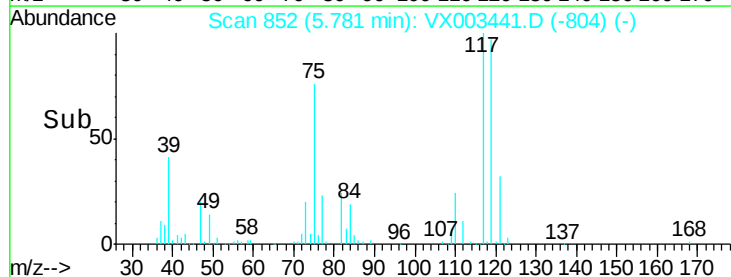
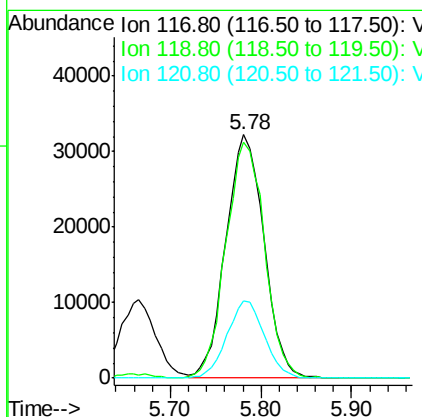
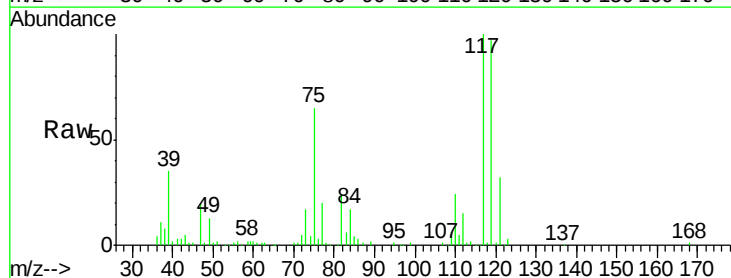
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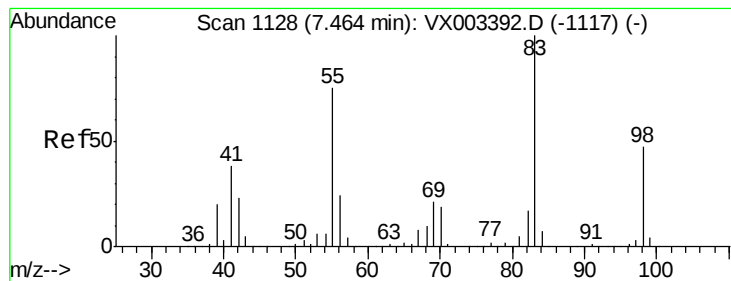
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.85 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.4	116.0
121	31.6	24.4	36.6





#39

Methylvlcyclohexane

Concen: 19.58 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

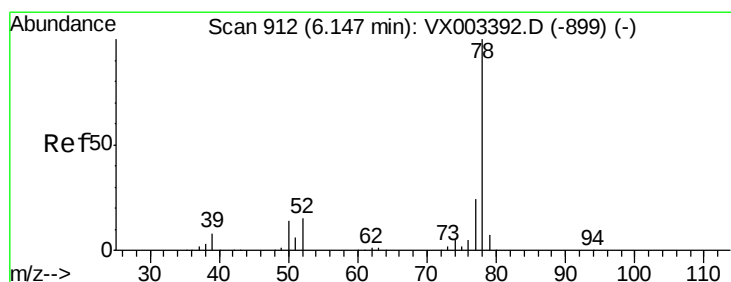
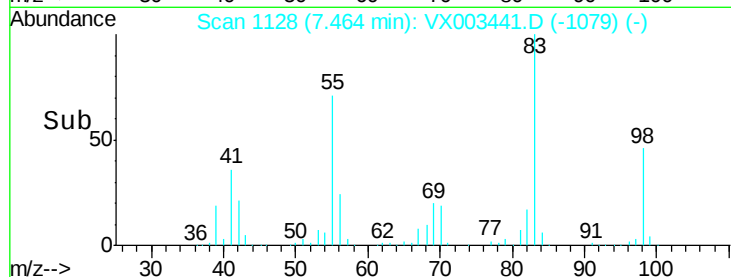
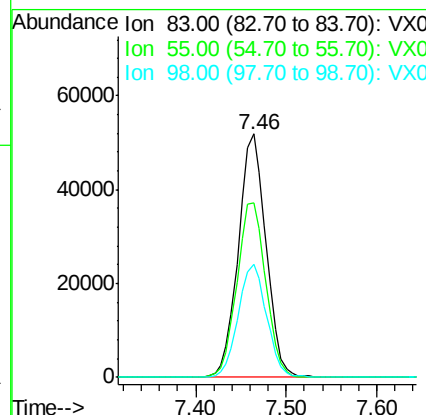
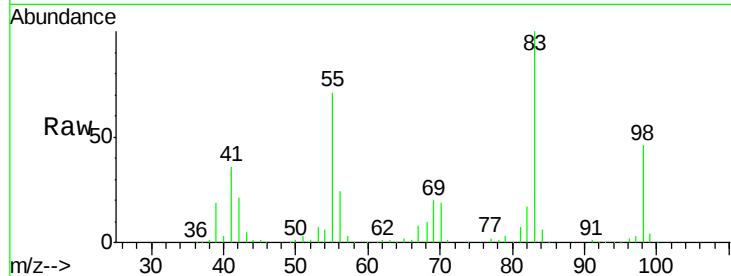
ClientSampleId :

VX0718WBS01

Tot Ion:	83.00	Resp:	110059
Ion	Ratio	Lower	Upper
83	100		
55	71.5	65.4	98.0
98	46.3	37.4	56.0

Manual Integrations
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#40

Benzene

Concen: 19.29 ug/l

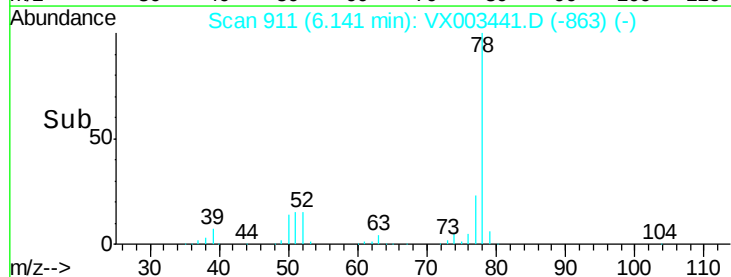
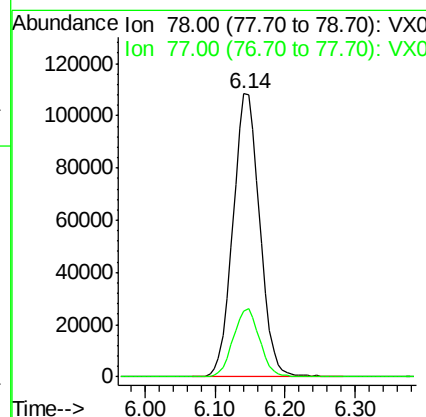
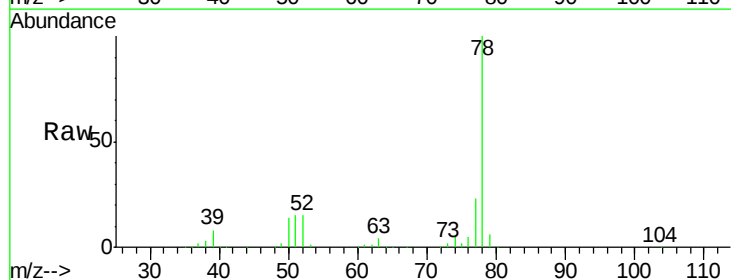
RT: 6.14 min Scan# 911

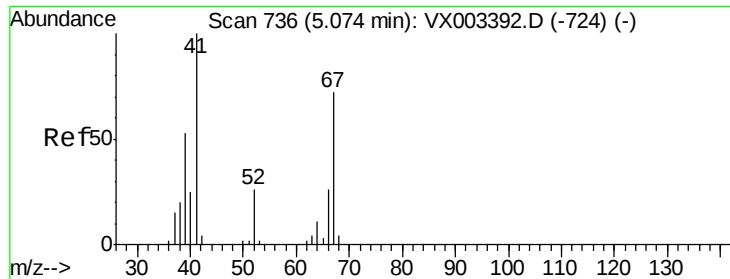
Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Tgt Ion:	78.00	Resp:	288099
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





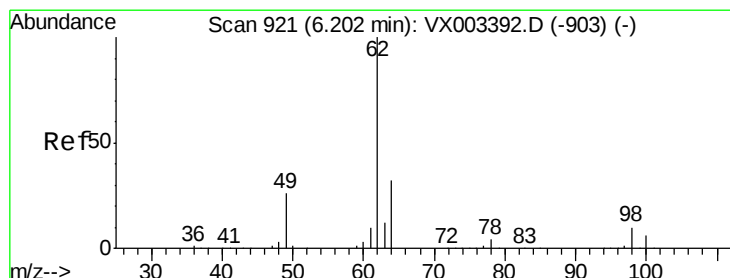
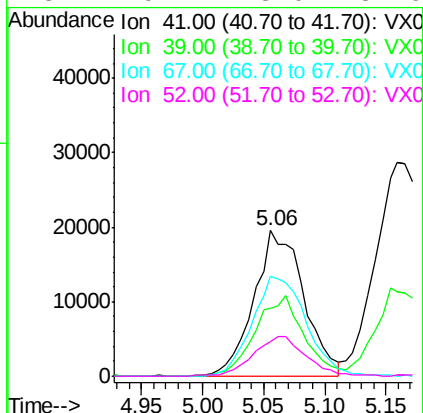
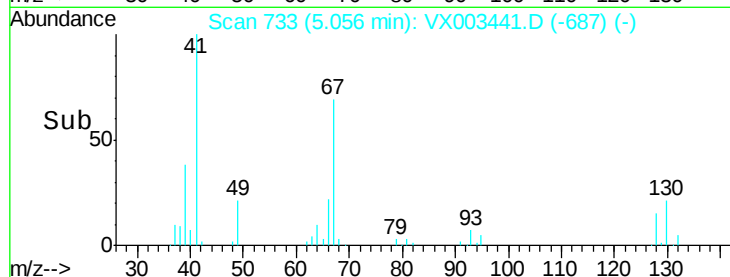
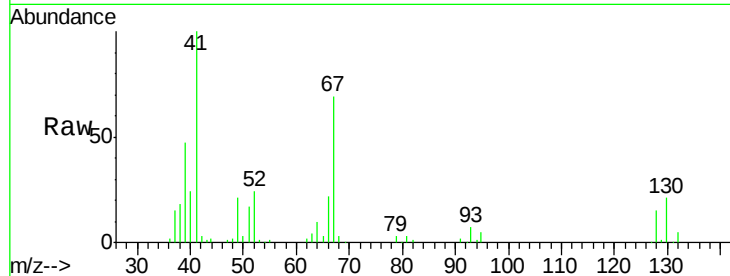
#41
Methacrylonitrile
Concen: 18.16 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.02 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion:	41	Resp:	55253
Ion	Ratio	Lower	Upper
41	100		
39	54.3	45.8	68.6
67	74.6	51.3	76.9
52	29.2	23.0	34.6

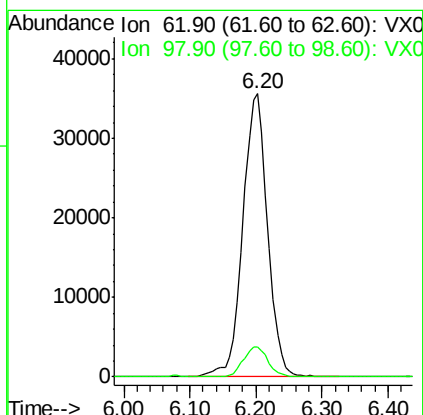
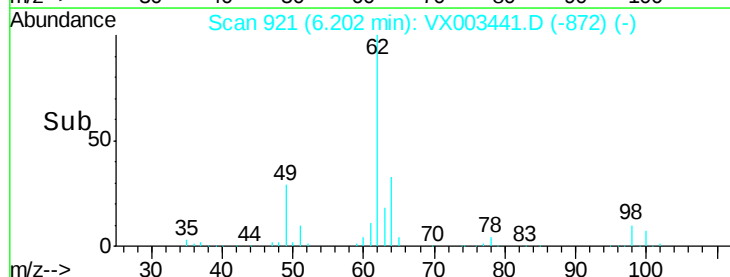
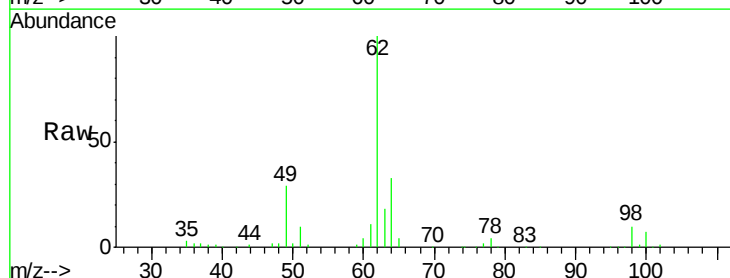
Manual Integrations
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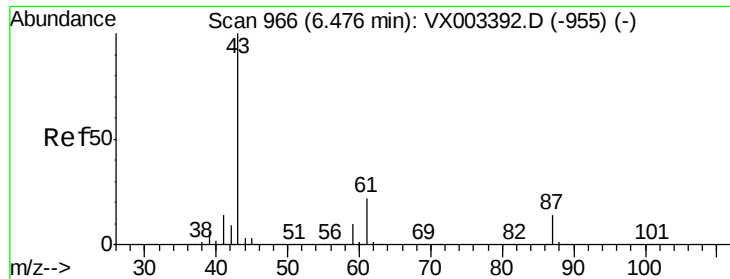
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.10 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion:	62	Resp:	92735
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	16.6





#43

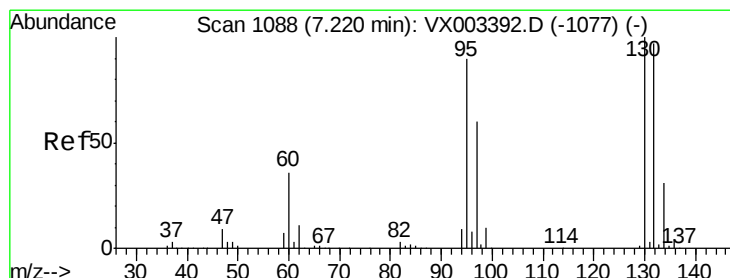
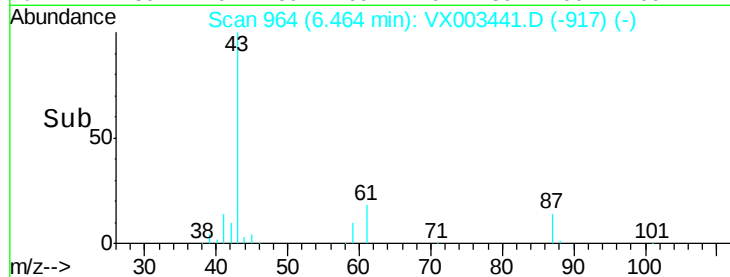
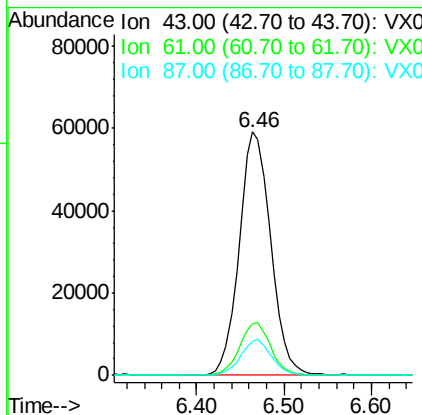
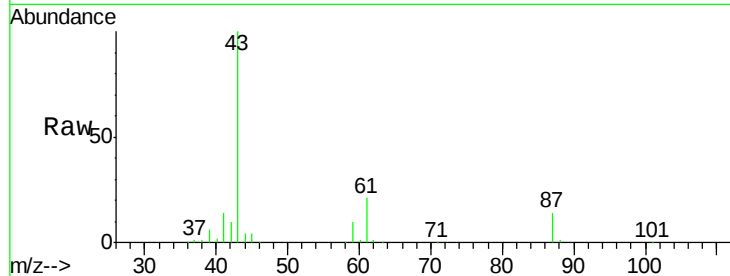
Isopropyl Acetate
 Concen: 17.65 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	14.4	21.6
87	14.3	9.5	14.3

Manual Integrations
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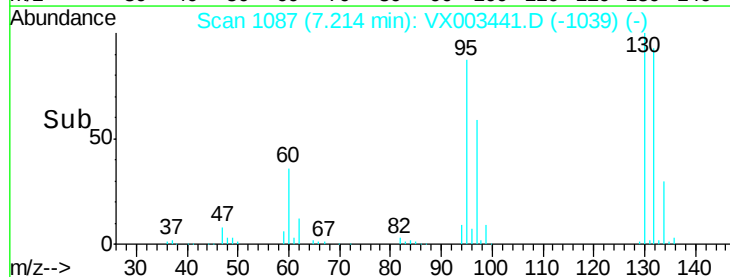
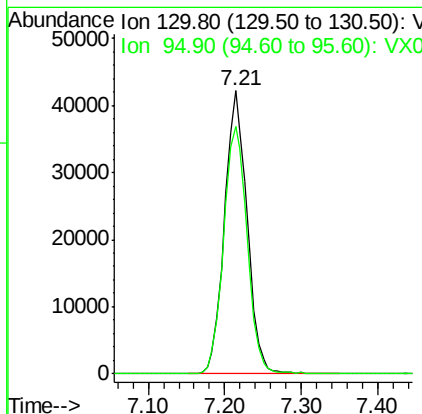
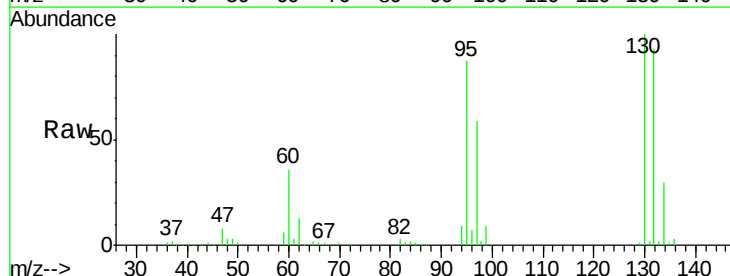
MMDadoda
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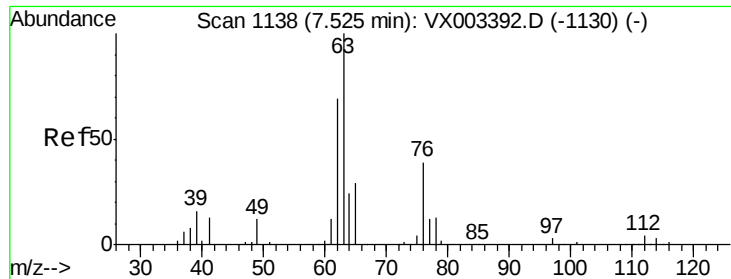


#44

Trichloroethene
 Concen: 19.93 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.3	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.35 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion: 63 Resp: 75181

Ion Ratio Lower Upper

63 100

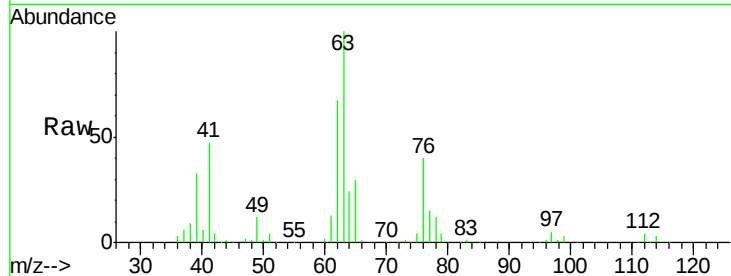
65 29.8 24.7 37.1

Manual Integrations

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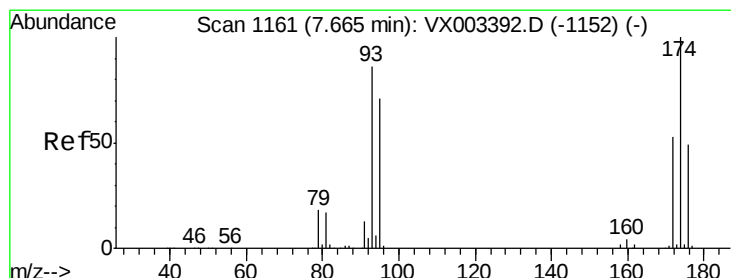
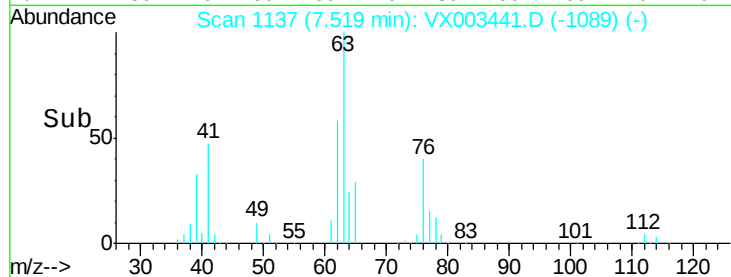
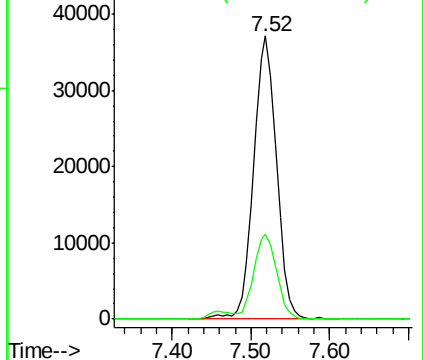
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.82 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

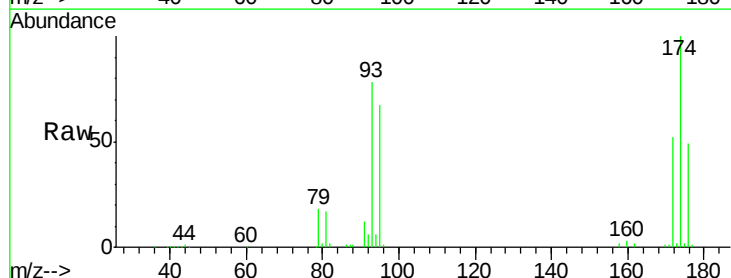
Tgt Ion: 93 Resp: 48684

Ion Ratio Lower Upper

93 100

95 83.6 65.9 98.9

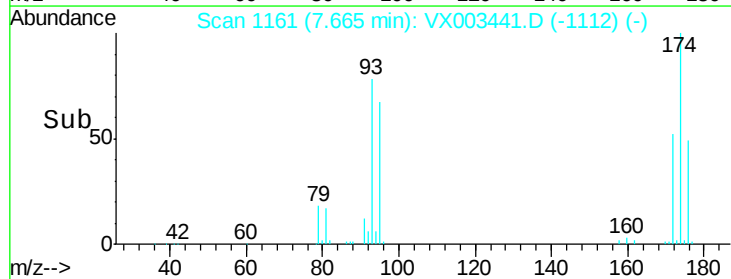
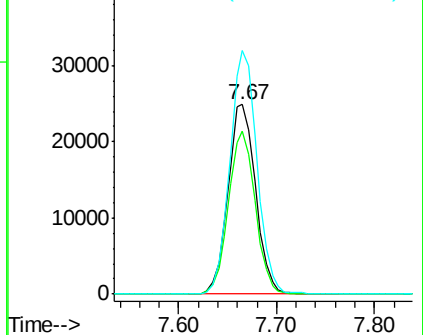
174 126.0 92.4 138.6

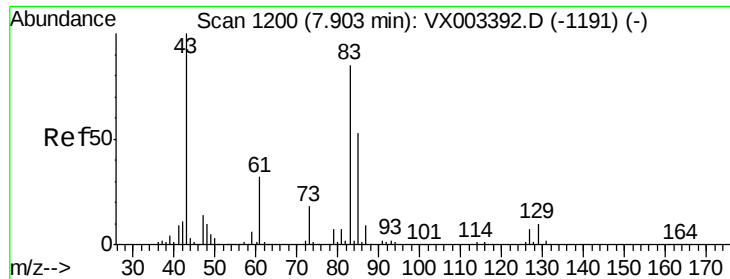


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.58 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

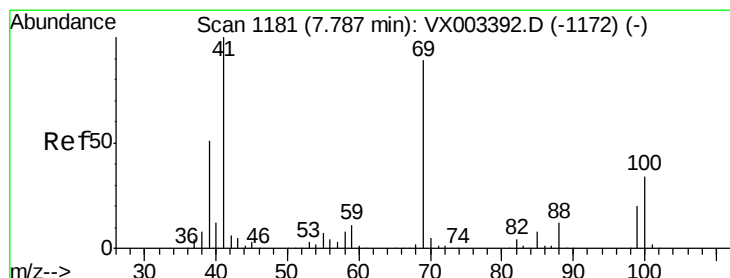
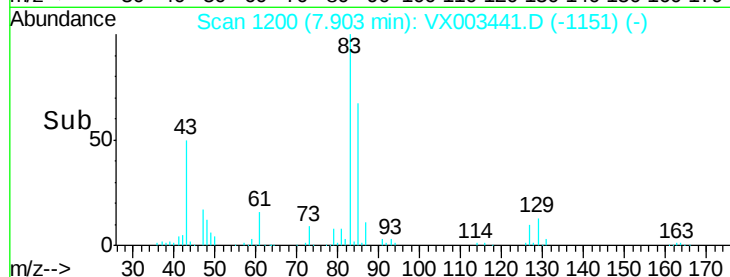
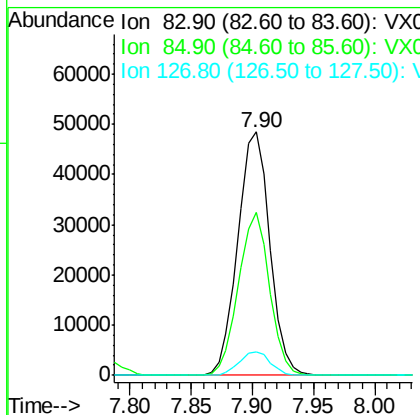
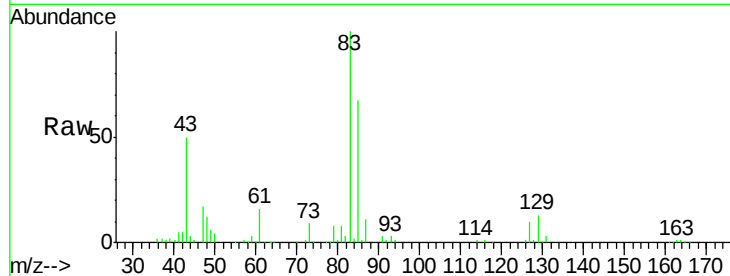
ClientSampleId :

VX0718WBS01

Tot Ion:	83	Resp:	88025
Ion Ratio	Lower	Upper	
83	100		
85	66.7	50.3	75.5
127	9.7	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.00 ug/l

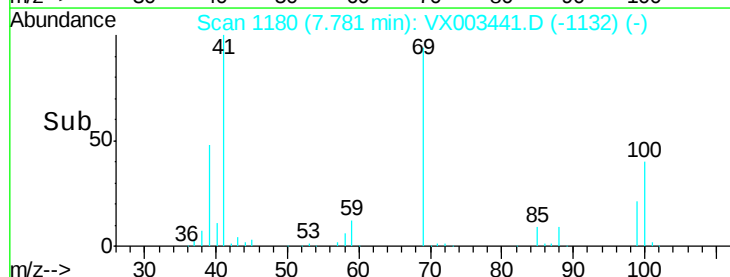
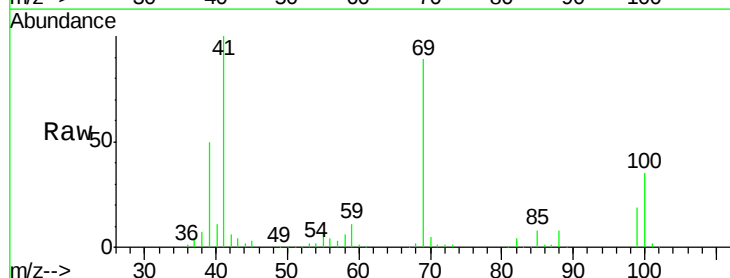
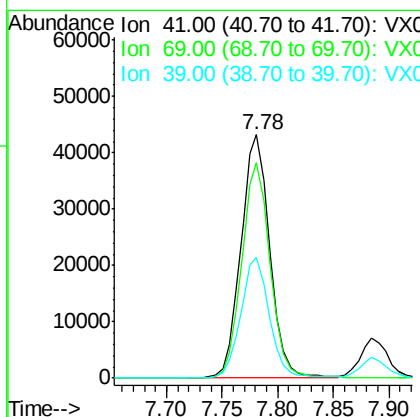
RT: 7.78 min Scan# 1180

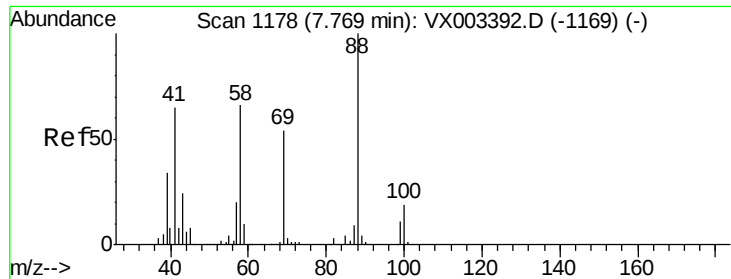
Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Tgt Ion:	41	Resp:	76665
Ion Ratio	Lower	Upper	
41	100		
69	88.3	59.1	88.7
39	48.9	48.9	73.3#





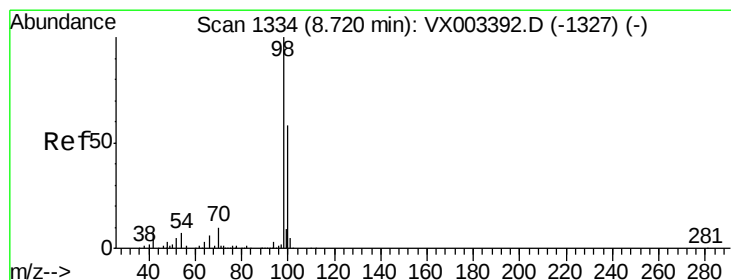
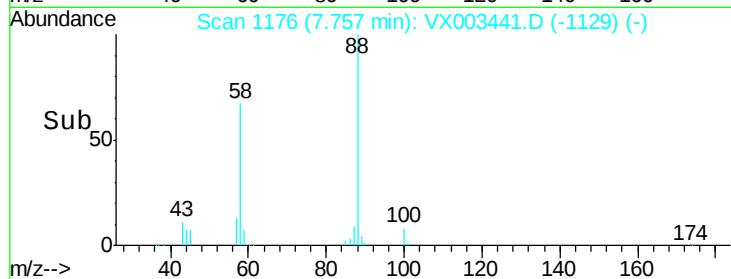
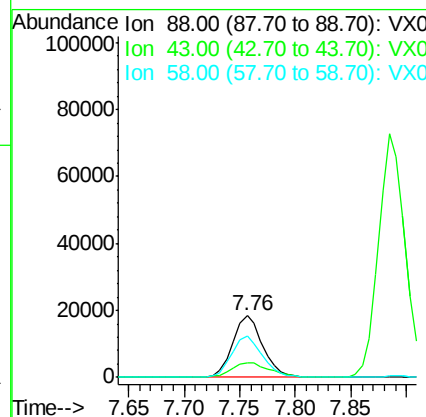
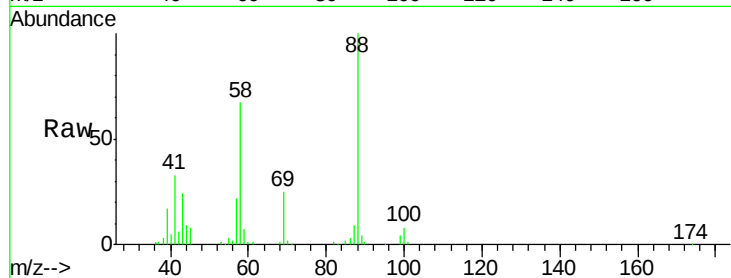
#49
1,4-Dioxane
Concen: 353.39 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	29.8	44.6
58	70.0	57.1	85.7

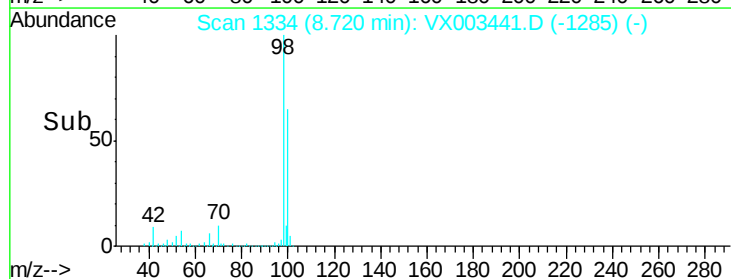
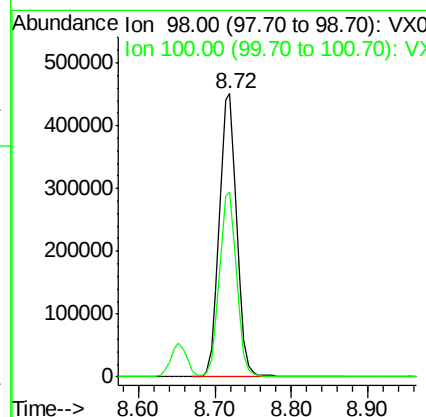
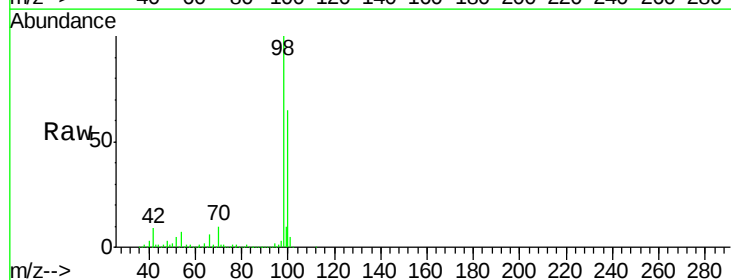
Manual Integrations
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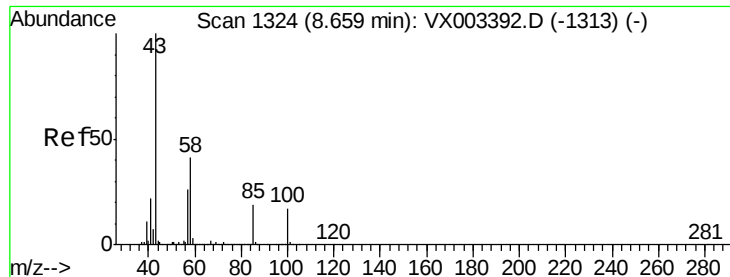
MMDadoda
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#50
Toluene-d8
Concen: 48.90 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 88.01 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion: 43 Resp: 483733

Ion Ratio Lower Upper

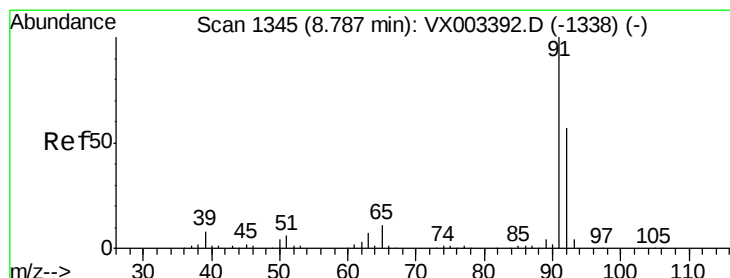
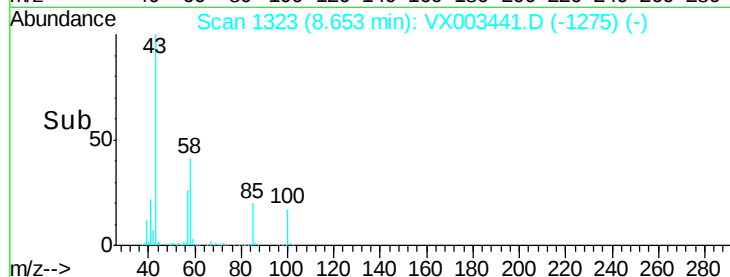
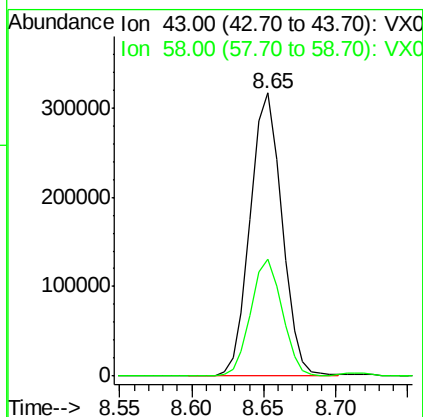
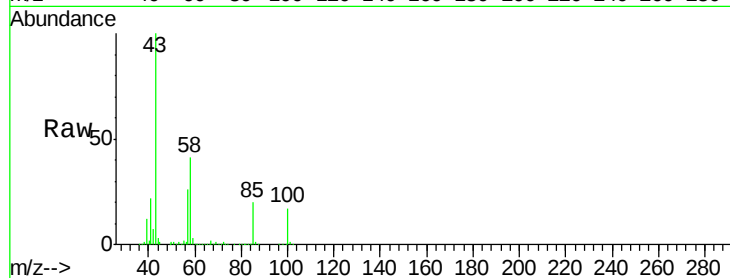
43 100

58 41.0 28.6 42.8

Manual Integrations
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#52

Toluene

Concen: 19.89 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003441.D

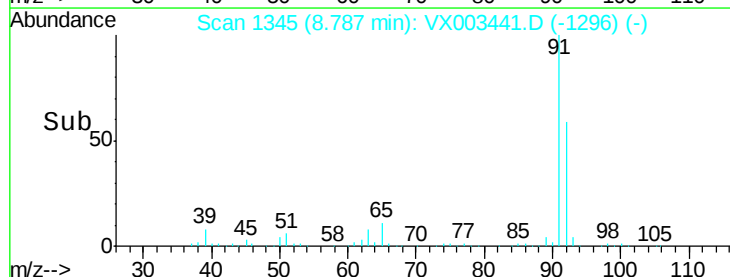
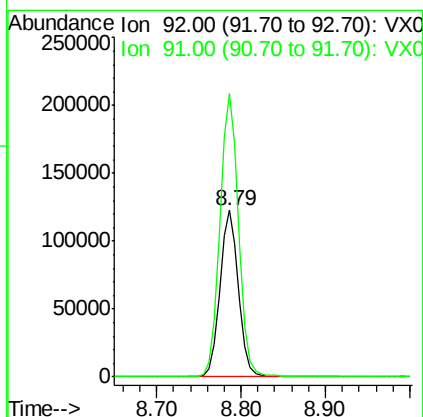
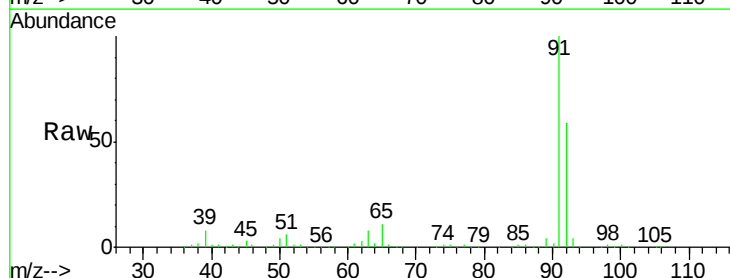
Acq: 18 Jul 2018 12:29

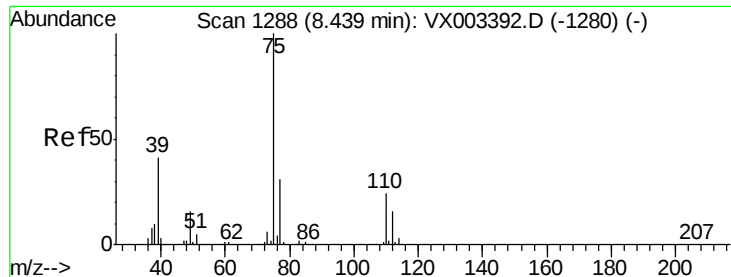
Tgt Ion: 92 Resp: 186020

Ion Ratio Lower Upper

92 100

91 171.7 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 19.80 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion: 75 Resp: 110748

Ion Ratio Lower Upper

75 100

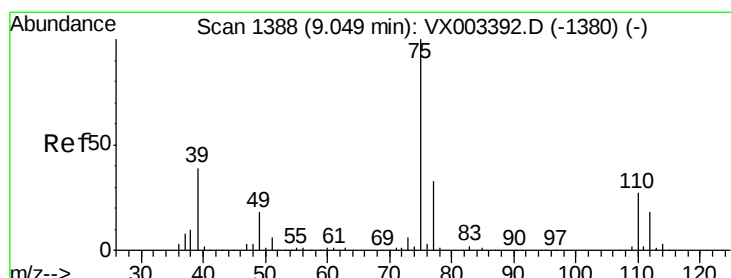
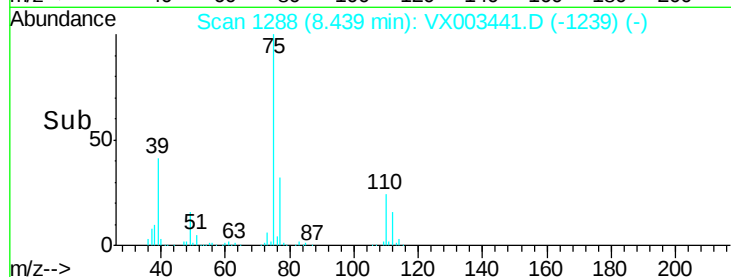
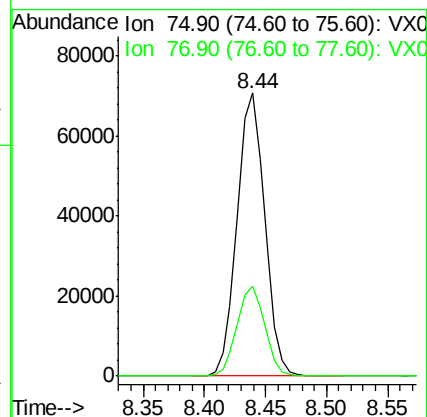
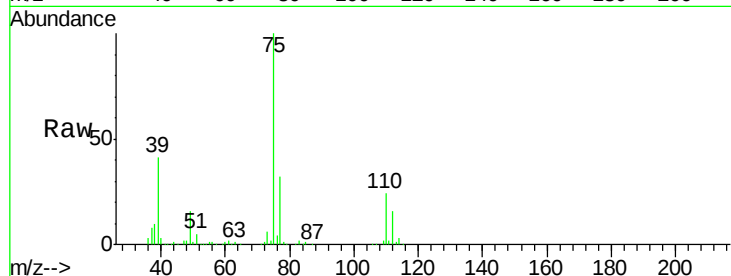
77 31.8 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.20 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

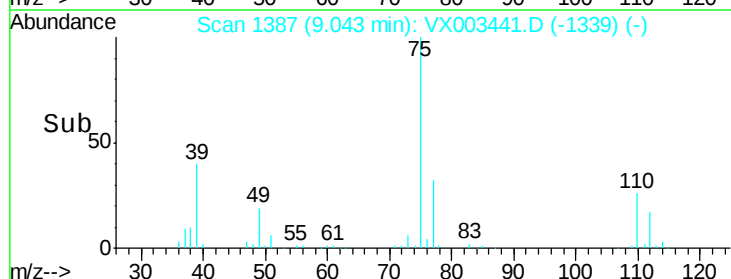
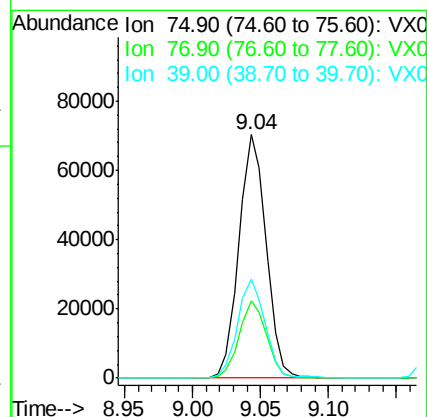
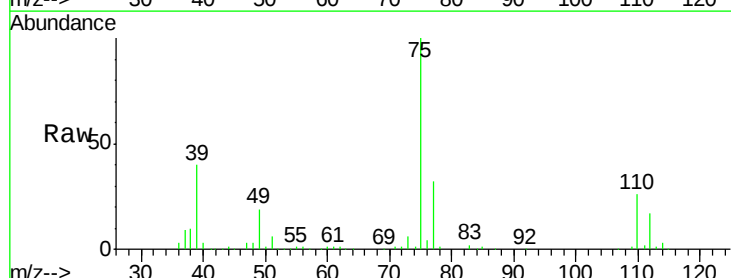
Tgt Ion: 75 Resp: 98028

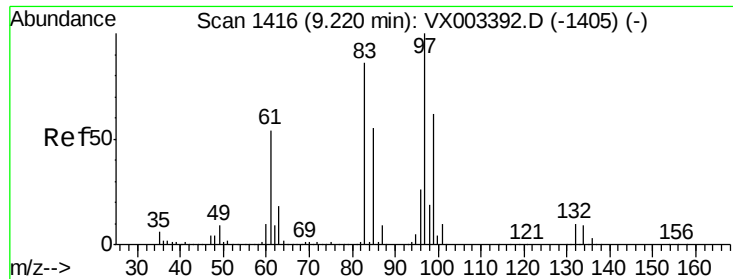
Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 40.2 42.4 63.6#





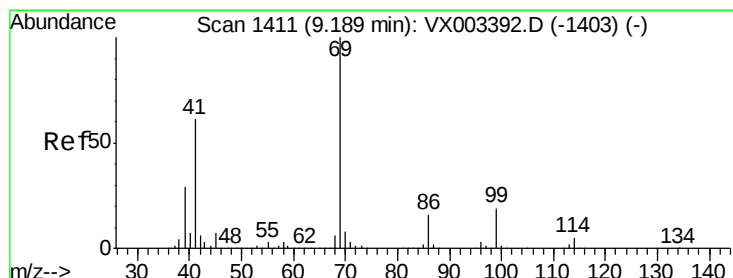
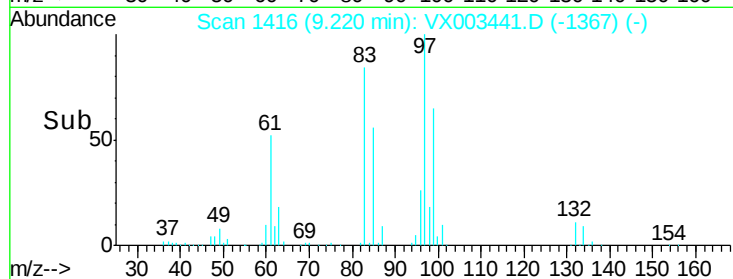
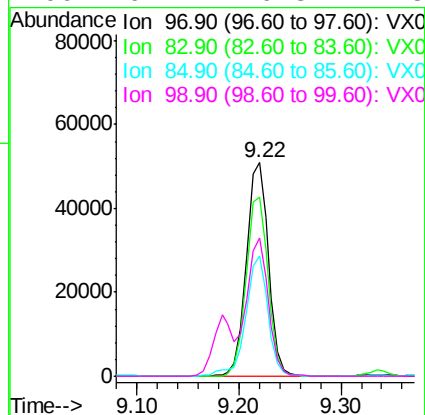
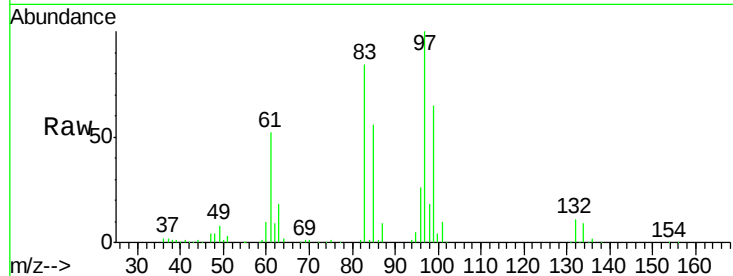
#55
1,1,2-Trichloroethane
Concen: 19.55 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion:	97	Resp:	76403
Ion	Ratio	Lower	Upper
97	100		
83	84.2	70.2	105.2
85	56.1	44.9	67.3
99	64.7	49.8	74.8

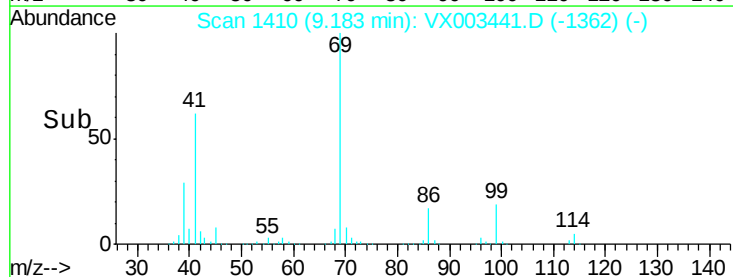
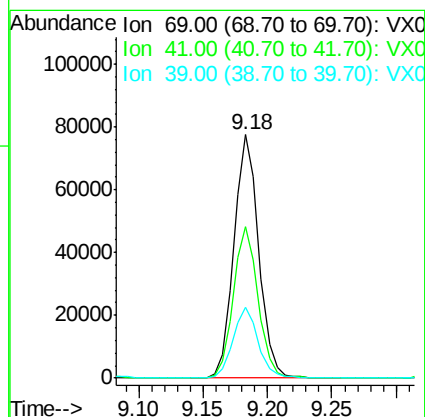
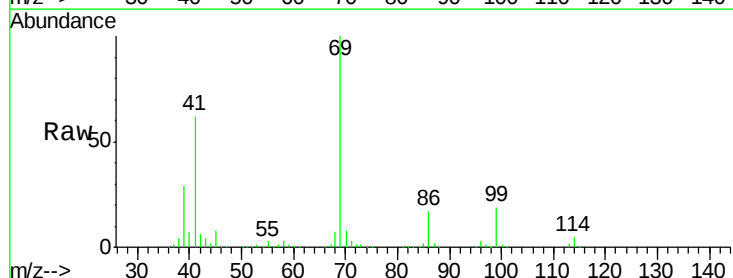
Manual Integrations
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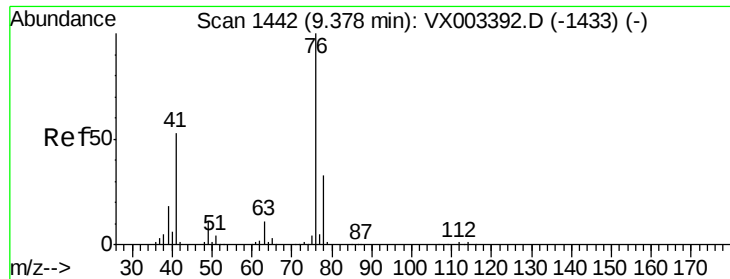
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#56
Ethyl methacrylate
Concen: 18.92 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion:	69	Resp:	104665
Ion	Ratio	Lower	Upper
69	100		
41	61.7	60.3	90.5
39	29.6	35.8	53.8#





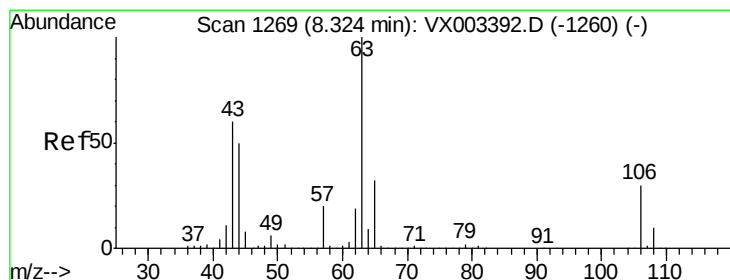
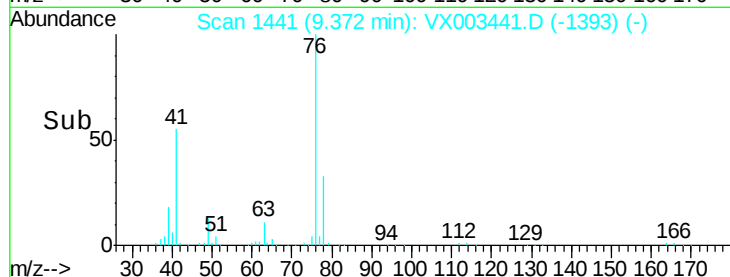
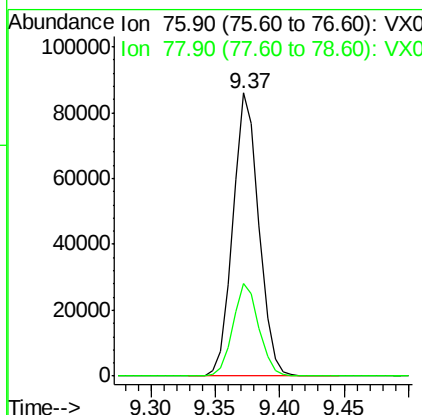
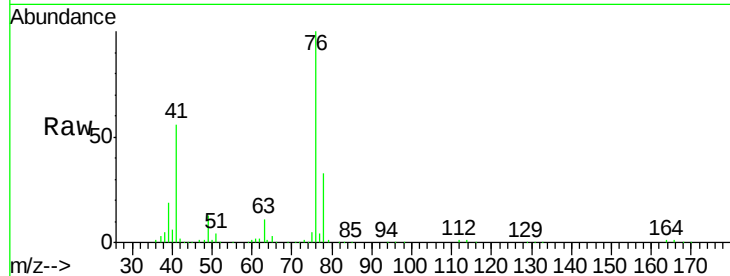
#57
 1,3-Dichloropropane
 Concen: 19.30 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBS01

Tot Ion: 76 Resp: 121189
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

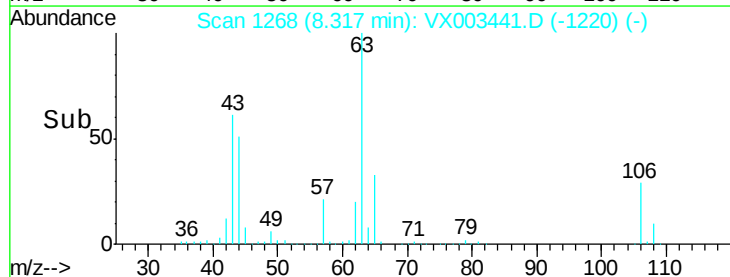
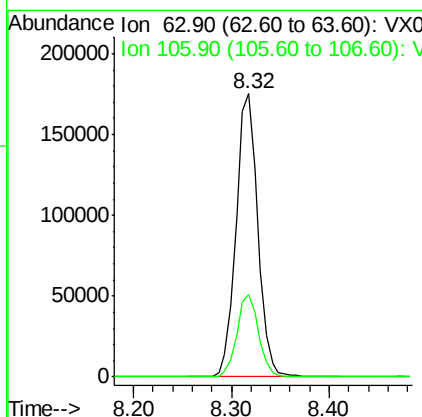
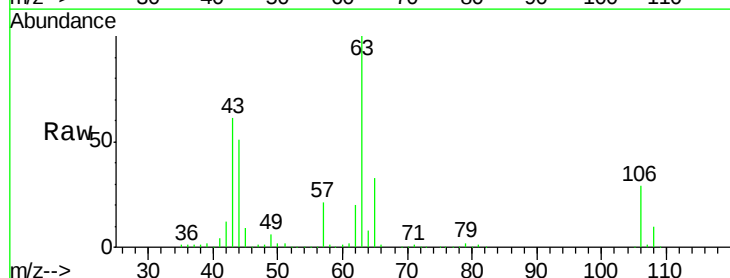
Manual Integrations
 APPROVED

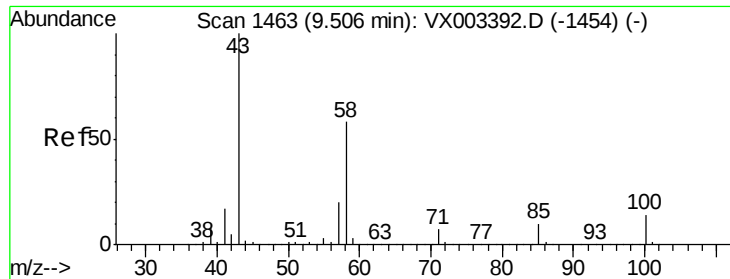
MMDadoda
 7/19/2018 1:04:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.30 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion: 63 Resp: 269941
 Ion Ratio Lower Upper
 63 100
 106 29.2 21.8 32.8





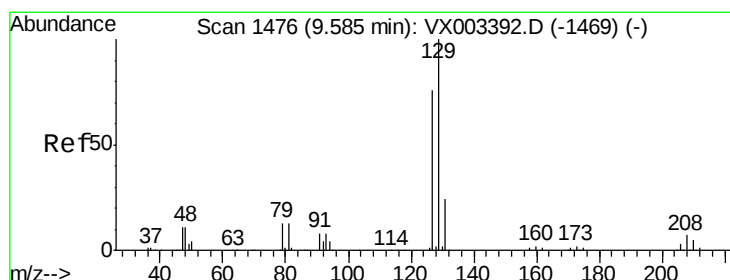
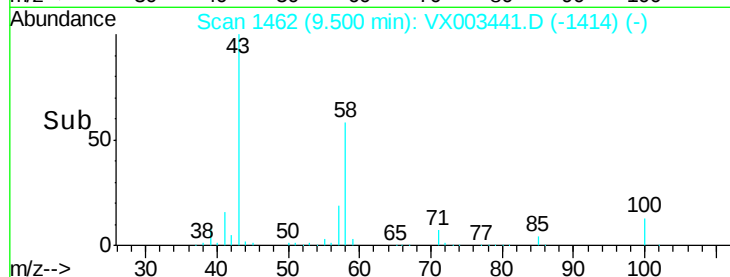
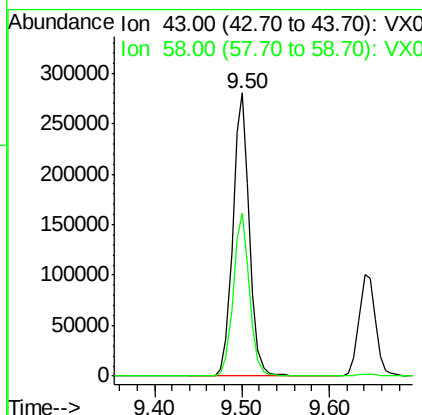
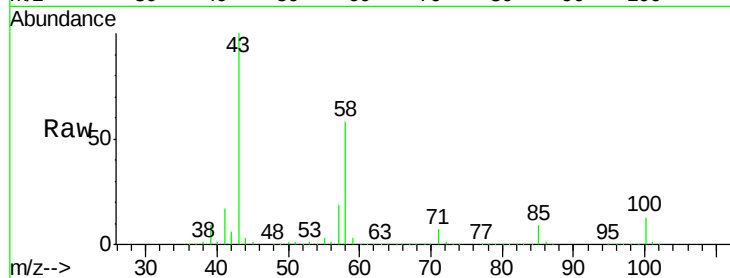
#59
2-Hexanone
Concen: 87.42 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion: 43 Resp: 369202
Ion Ratio Lower Upper
43 100
58 57.0 24.6 73.6

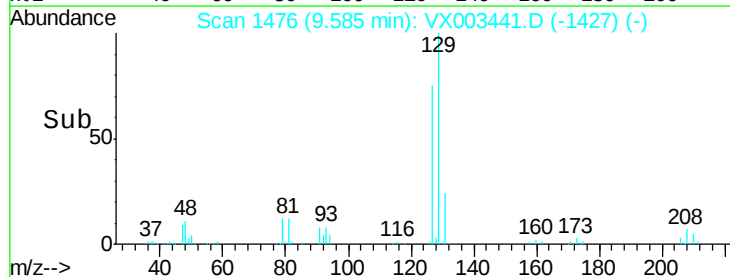
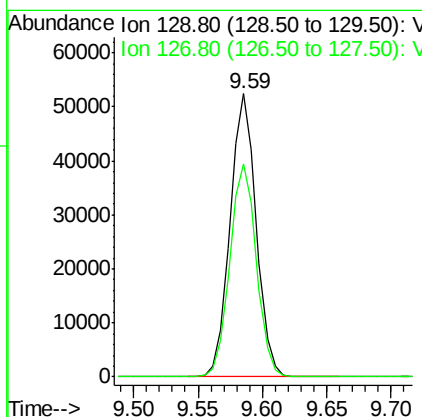
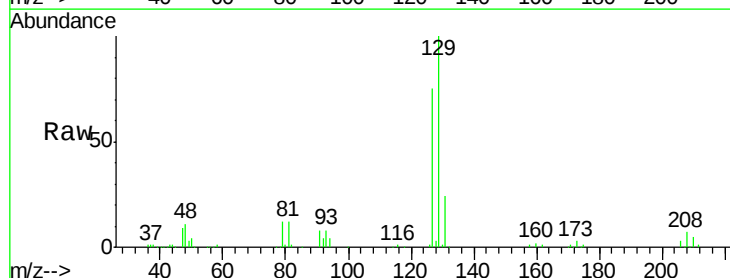
Manual Integrations
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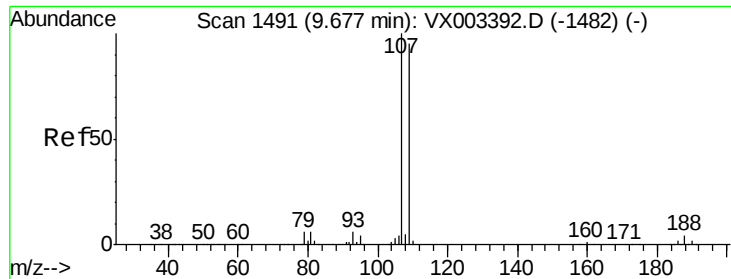
MMDadoda
7/19/2018 1:04:12 PM



#60
Dibromochloromethane
Concen: 19.11 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion: 129 Resp: 74190
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.31 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion:107 Resp: 77777

Ion Ratio Lower Upper

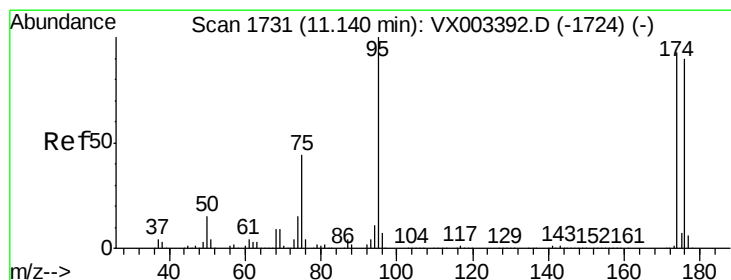
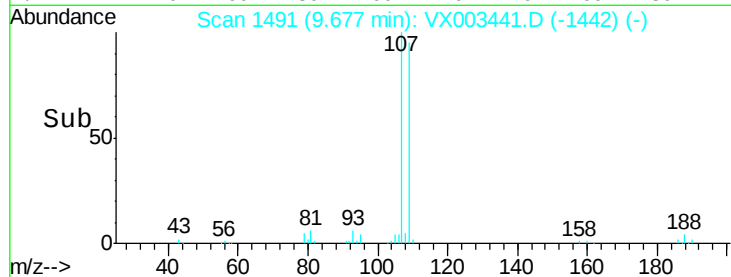
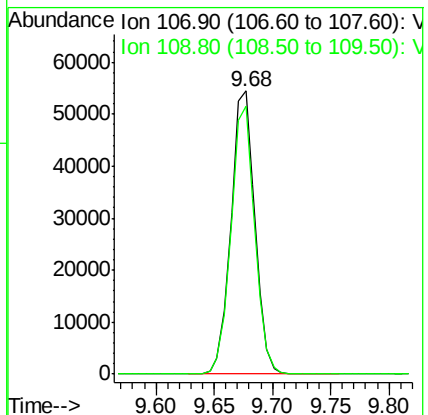
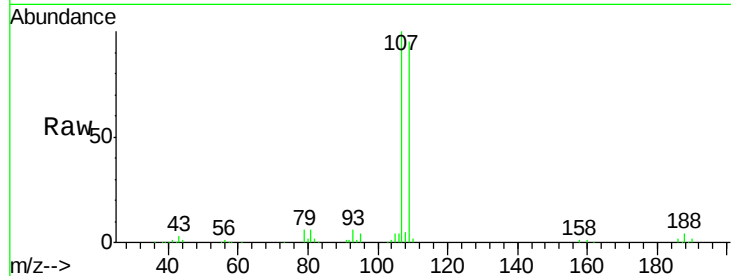
107 100

109 94.5 75.3 112.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

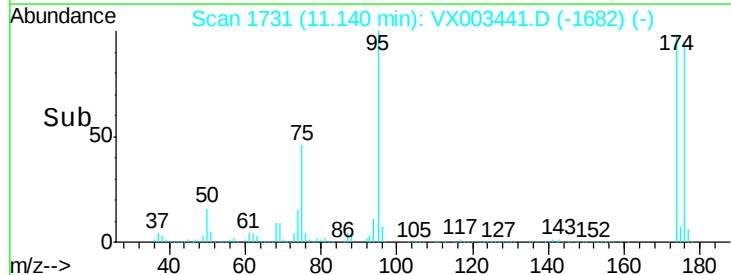
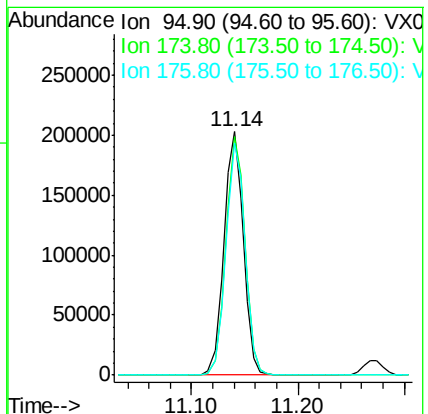
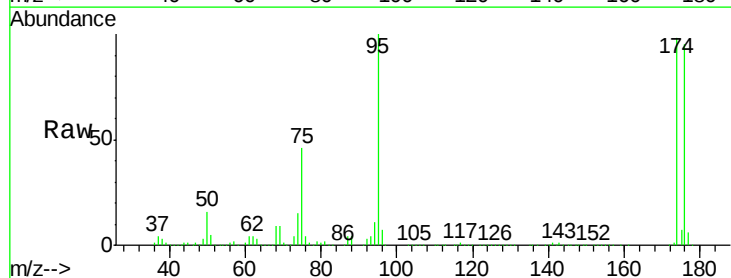
Tgt Ion: 95 Resp: 257569

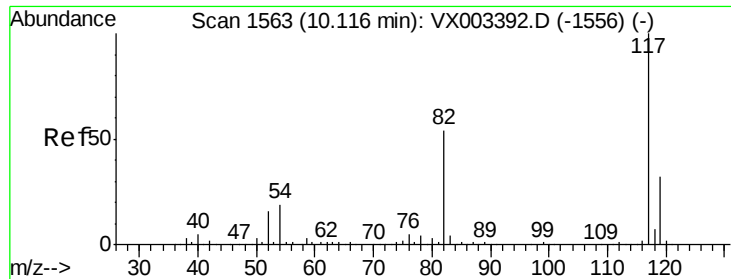
Ion Ratio Lower Upper

95 100

174 97.3 0.0 187.4

176 94.9 0.0 181.0





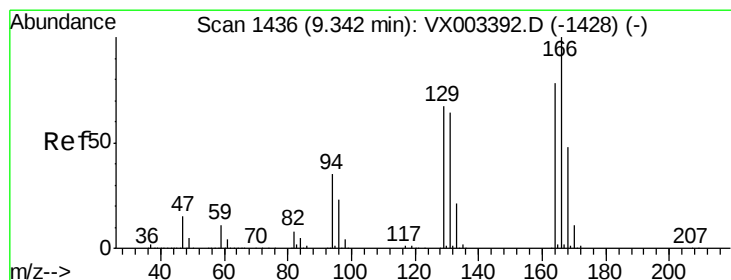
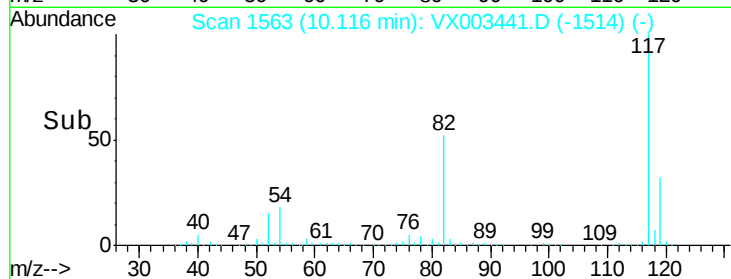
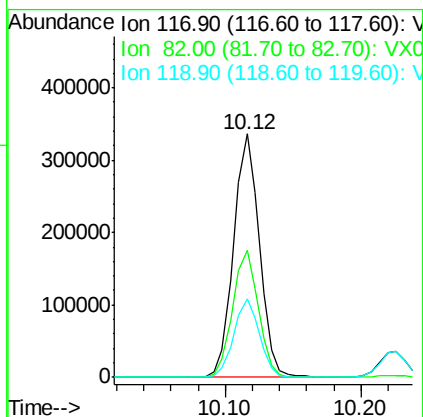
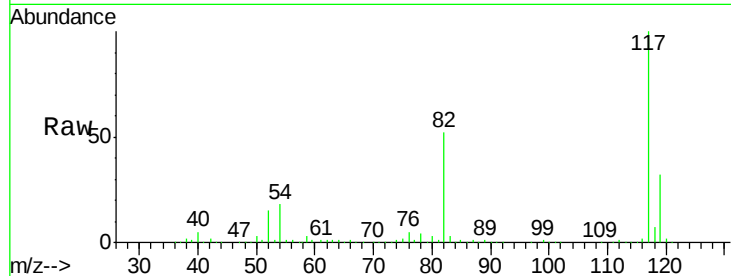
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	45.0	67.4
119	32.3	25.8	38.6

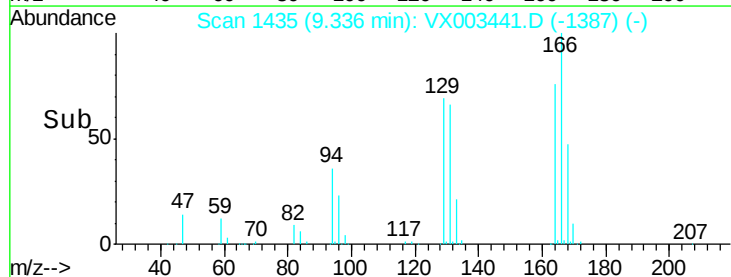
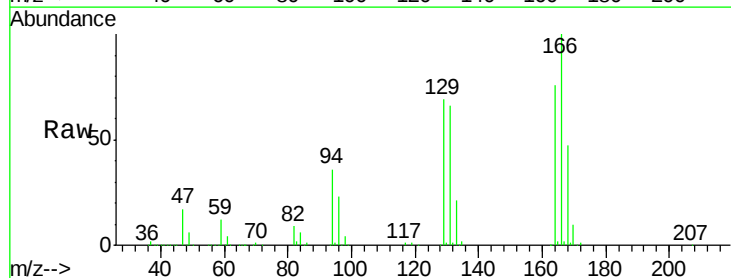
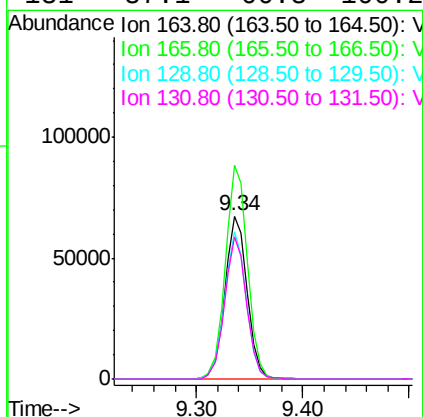
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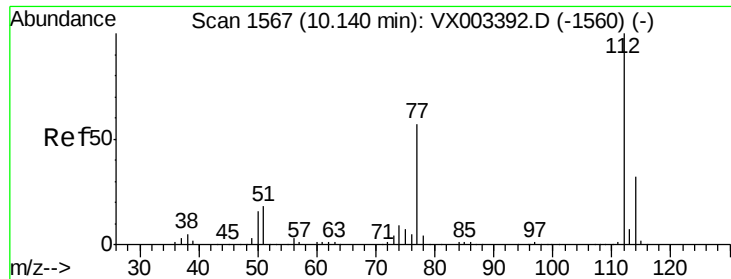
MMDadoda
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#64
Tetrachloroethene
Concen: 21.02 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	102.9	154.3
129	90.6	68.6	102.8
131	87.1	66.8	100.2





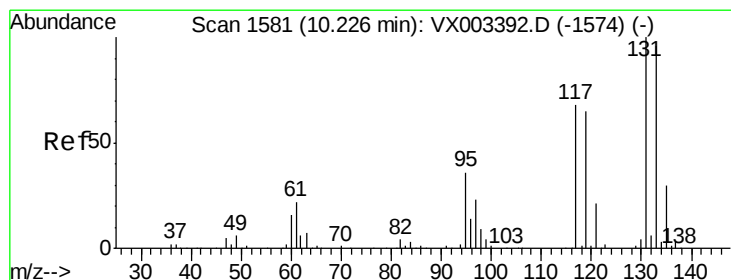
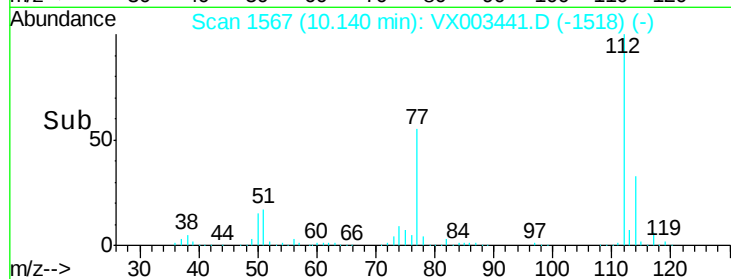
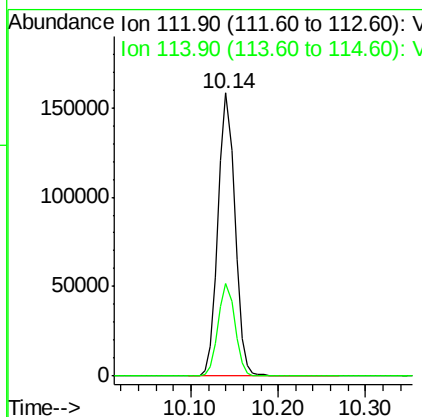
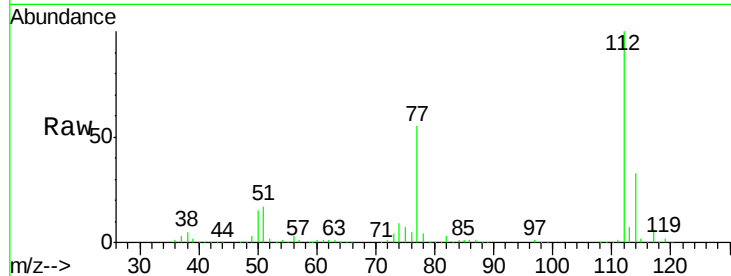
#65
Chlorobenzene
Concen: 20.19 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion:112 Resp: 212040
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

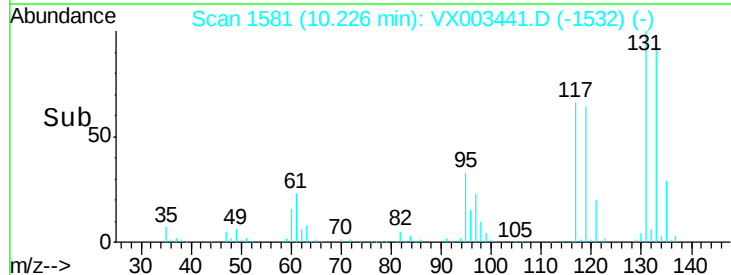
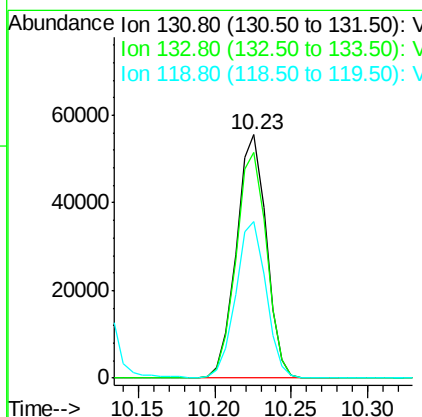
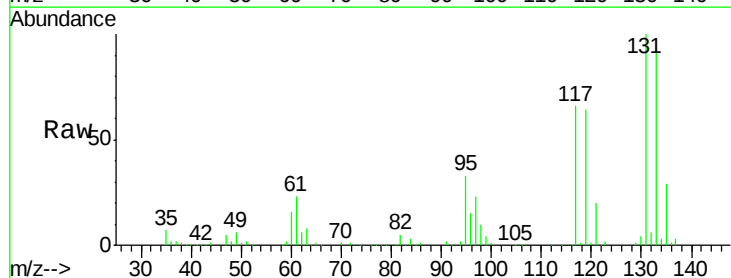
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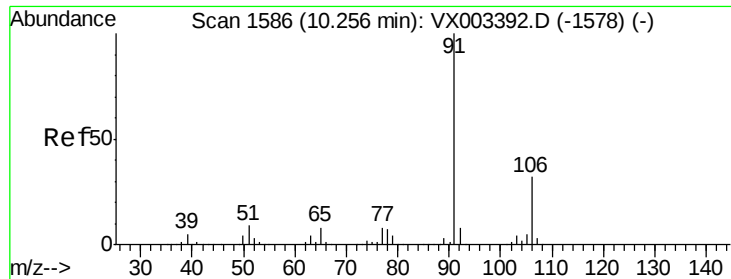
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.26 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion:131 Resp: 75660
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.6
119 64.9 31.8 95.3





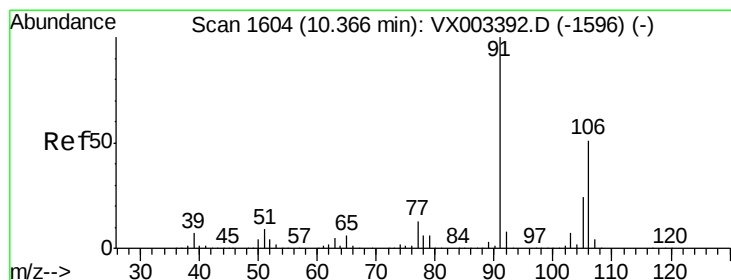
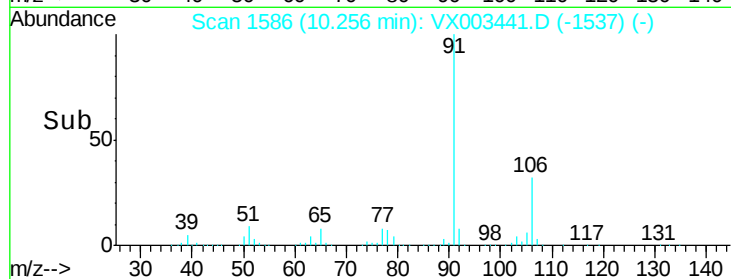
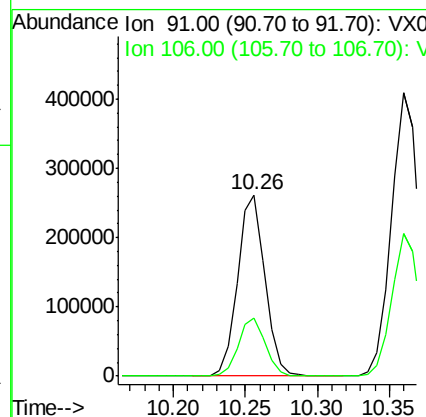
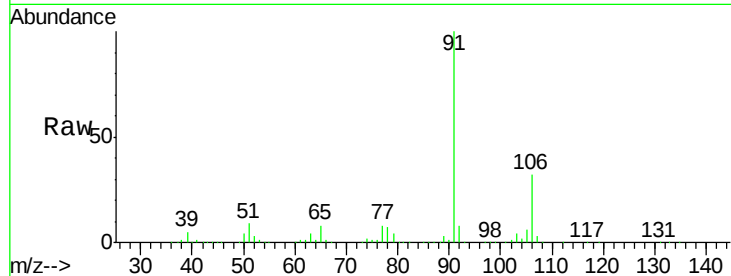
#67
Ethyl Benzene
Concen: 20.19 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion: 91 Resp: 346582
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

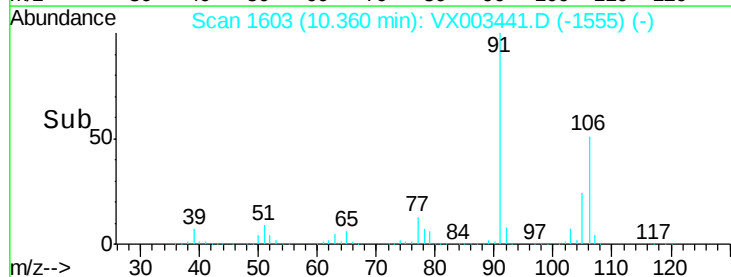
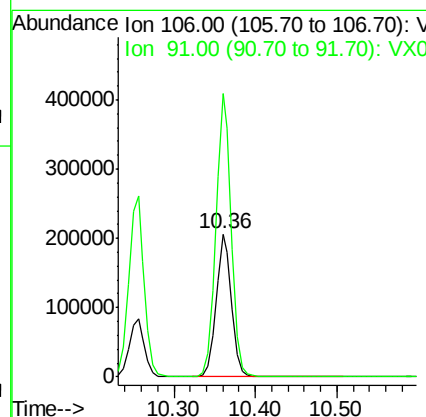
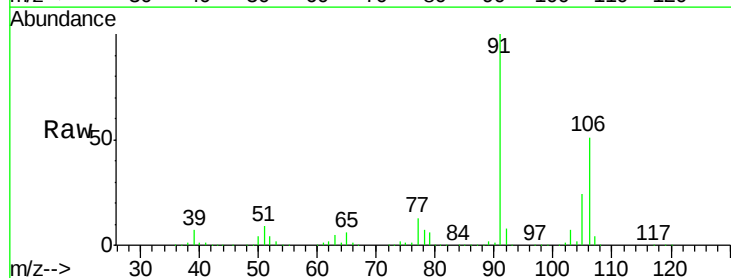
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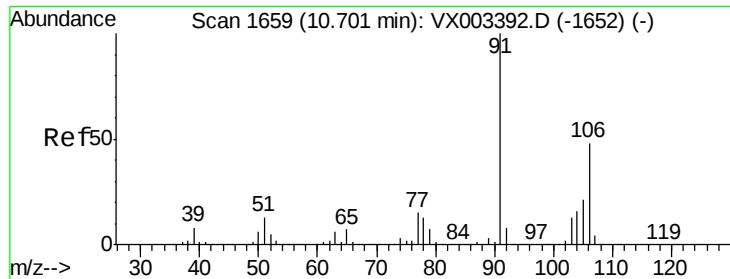
MMDadoda
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#68
m/p-Xylenes
Concen: 41.23 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion: 106 Resp: 273833
Ion Ratio Lower Upper
106 100
91 198.7 163.4 245.2





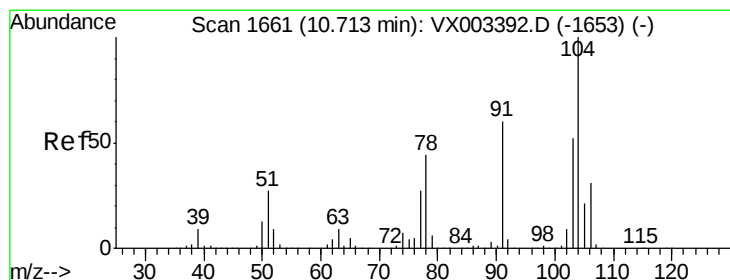
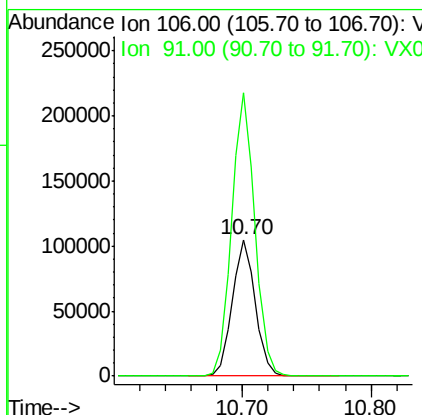
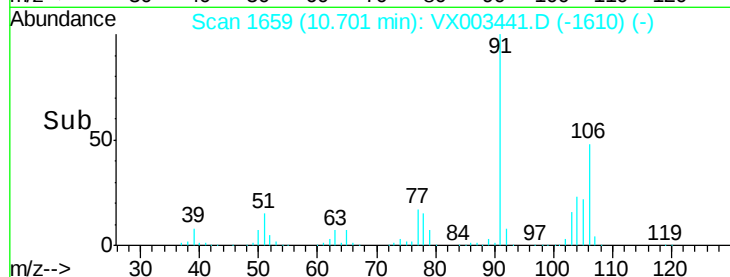
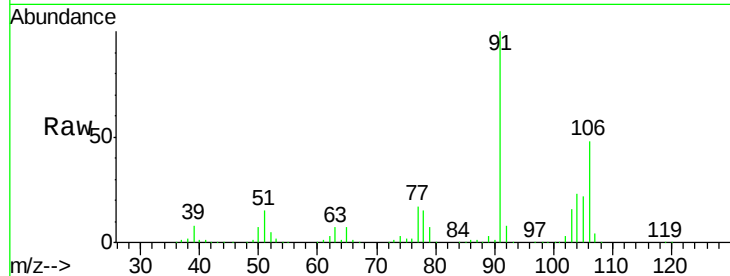
#69
o-Xylene
Concen: 20.61 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion:106 Resp: 131441
Ion Ratio Lower Upper
106 100
91 207.8 108.2 324.6

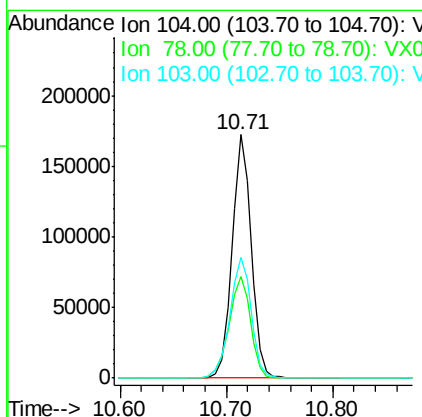
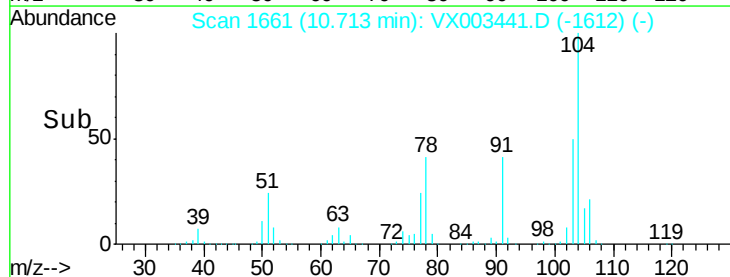
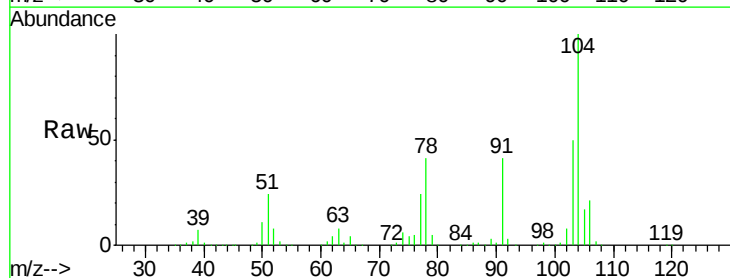
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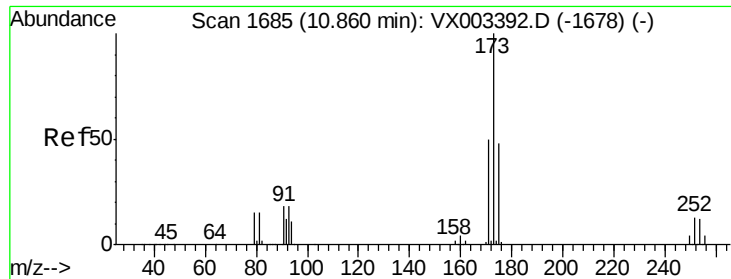
MMDadoda
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#70
Styrene
Concen: 20.77 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion:104 Resp: 218080
Ion Ratio Lower Upper
104 100
78 47.0 41.0 61.6
103 55.2 44.2 66.4





#71

Bromoform

Concen: 18.99 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion:173 Resp: 57035

Ion Ratio Lower Upper

173 100

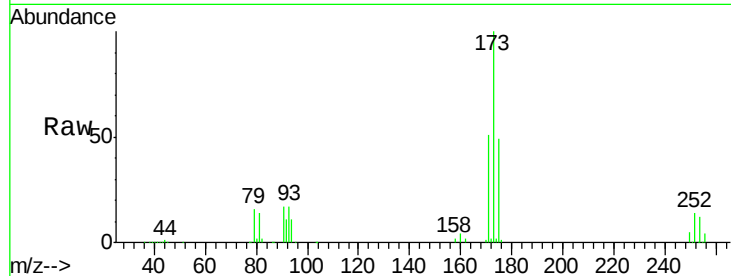
175 47.9 24.7 74.1

254 0.1 0.2 0.2#

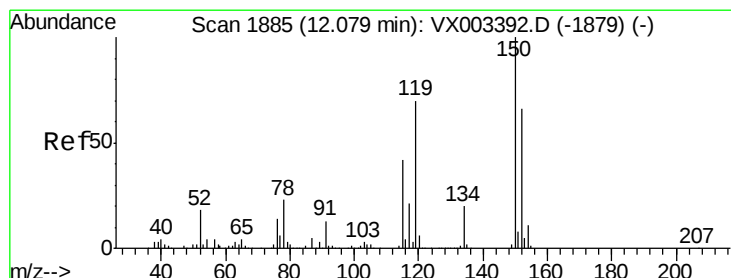
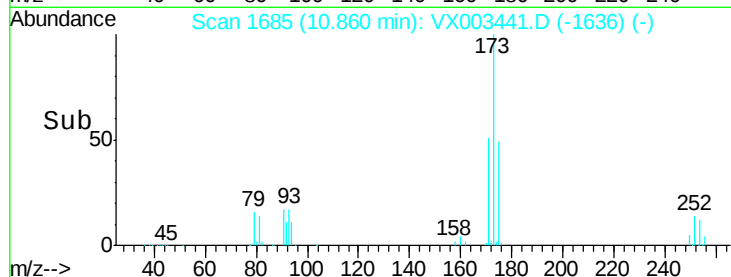
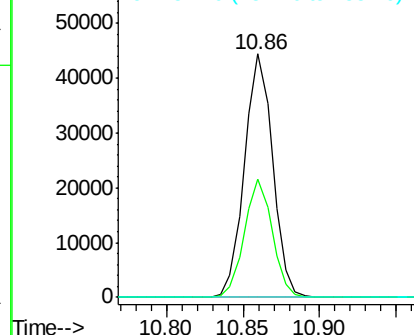
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

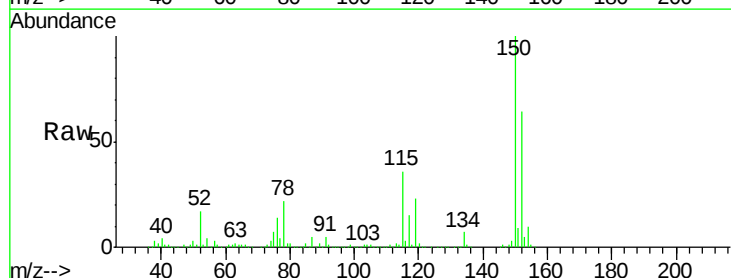
Tgt Ion:152 Resp: 272491

Ion Ratio Lower Upper

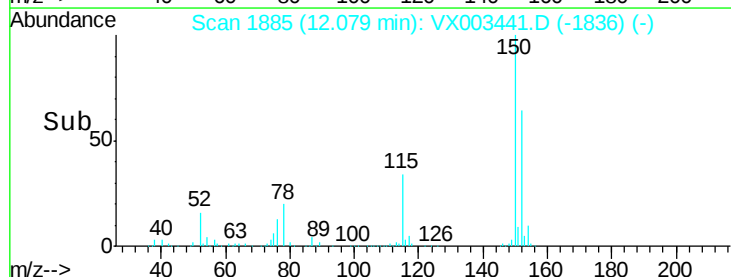
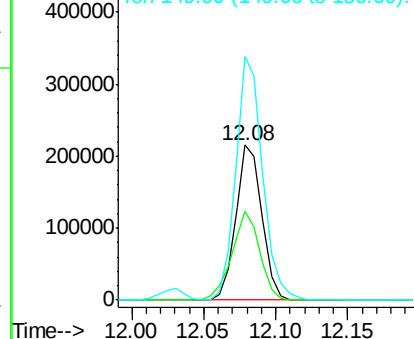
152 100

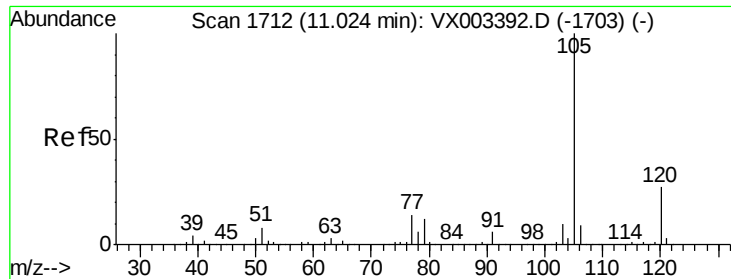
115 61.4 40.1 120.2

150 162.1 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.49 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion:105 Resp: 357488

Ion Ratio Lower Upper

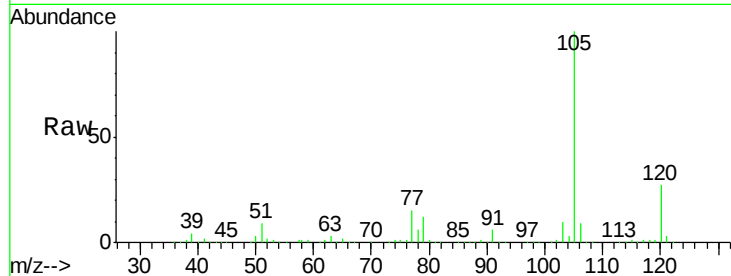
105 100

120 27.2 13.5 40.4

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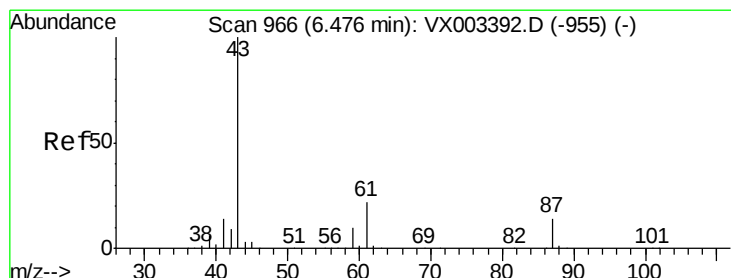
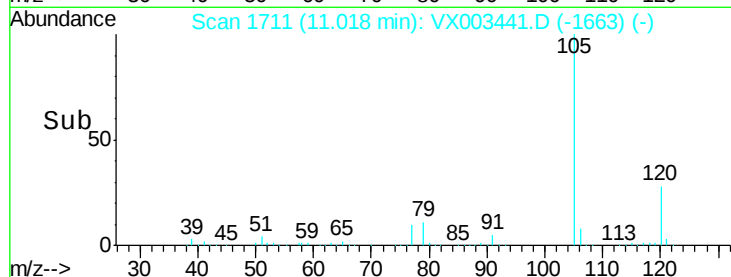
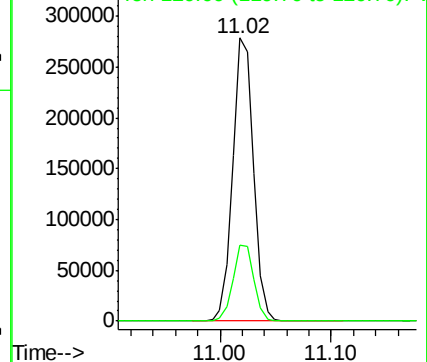
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.57 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Tgt Ion: 43 Resp: 147408

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

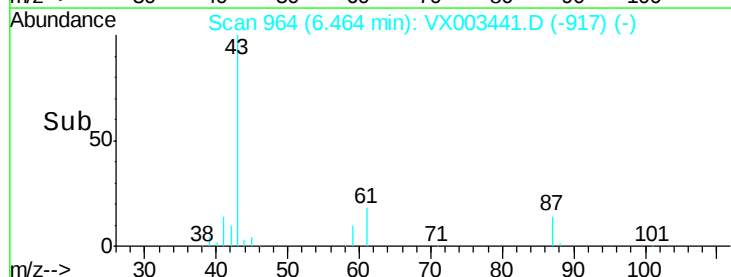
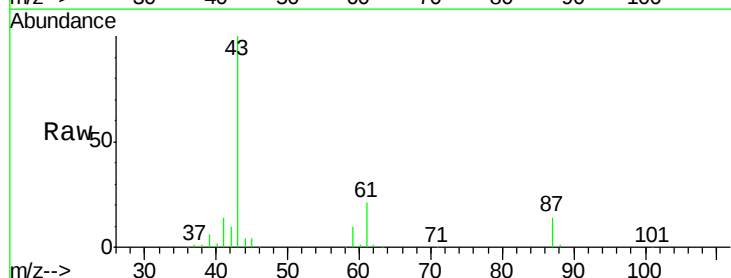
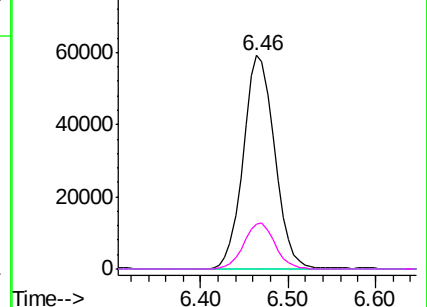
61 21.5 14.4 21.6

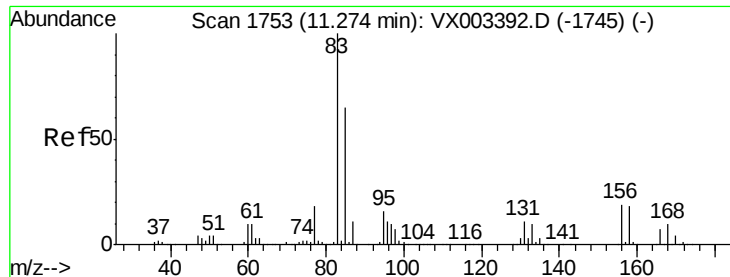
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.39 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampled :

VX0718WBS01

Tot Ion: 83 Resp: 105905

Ion Ratio Lower Upper

83 100

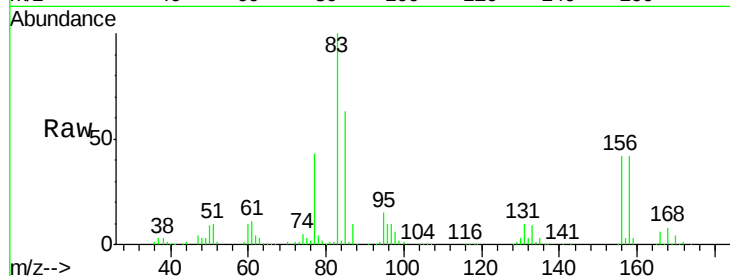
131 11.1 5.6 16.8

85 64.5 32.4 97.2

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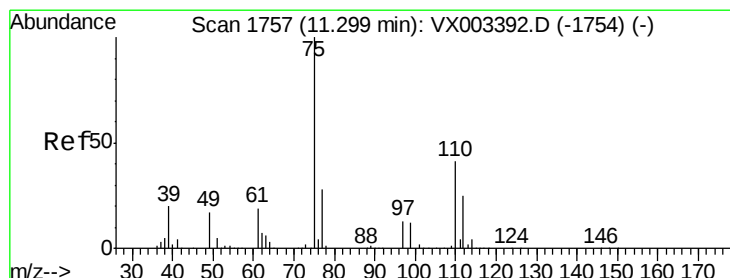
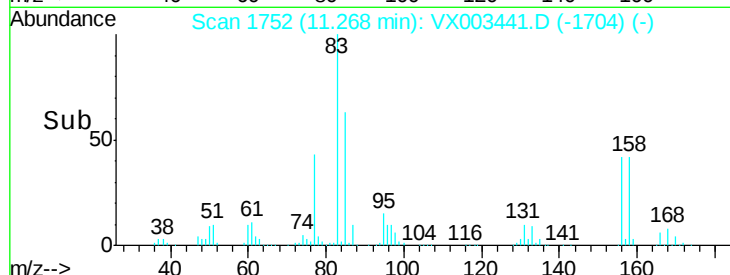
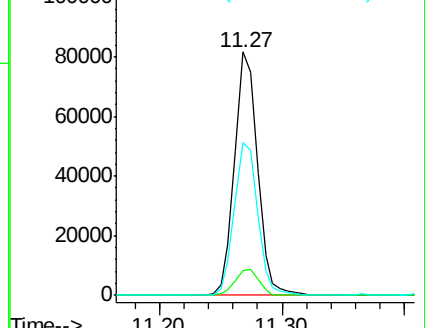
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.54 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003441.D

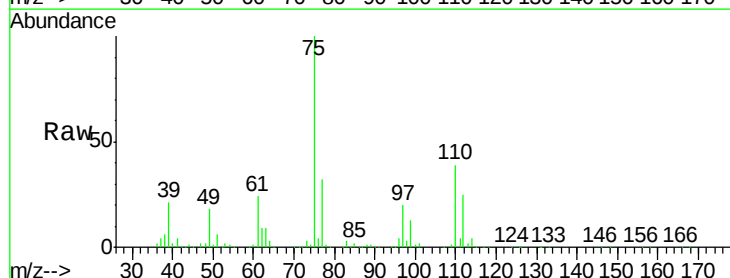
Acq: 18 Jul 2018 12:29

Tgt Ion: 75 Resp: 96377

Ion Ratio Lower Upper

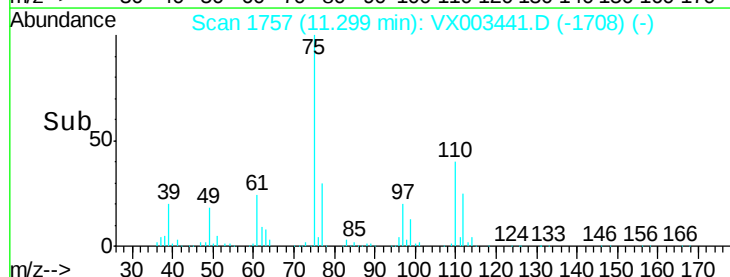
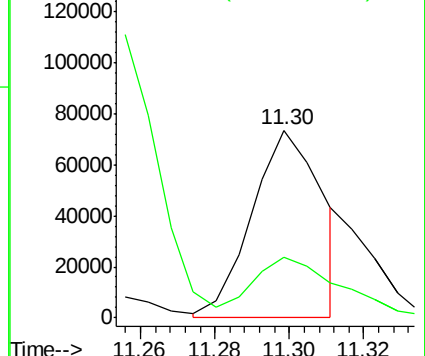
75 100

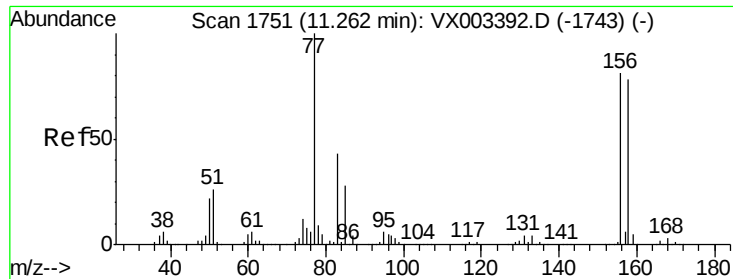
77 40.7 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.24 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

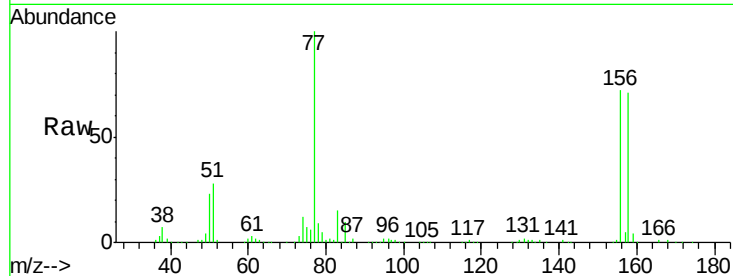
ClientSampleId :

VX0718WBS01

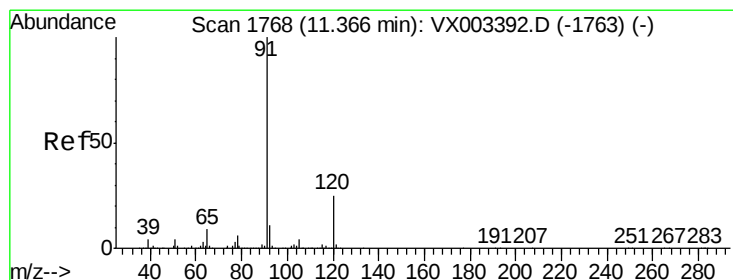
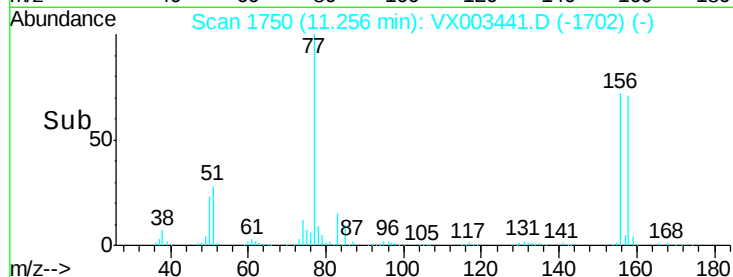
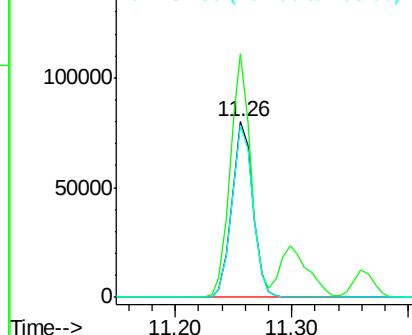
Tot Ion:	156	Resp:	100308
Ion Ratio	Lower	Upper	
156	100		
77	134.7	71.4	214.2
158	97.9	48.9	146.6

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



#78

n-propylbenzene

Concen: 20.52 ug/l

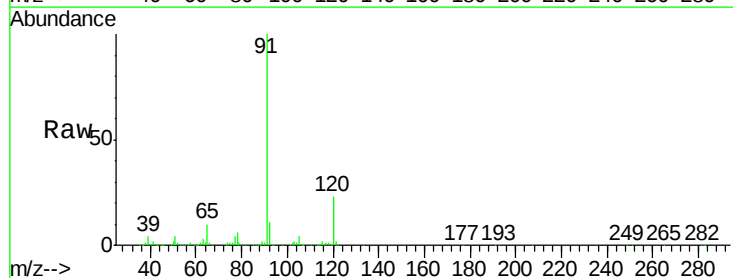
RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

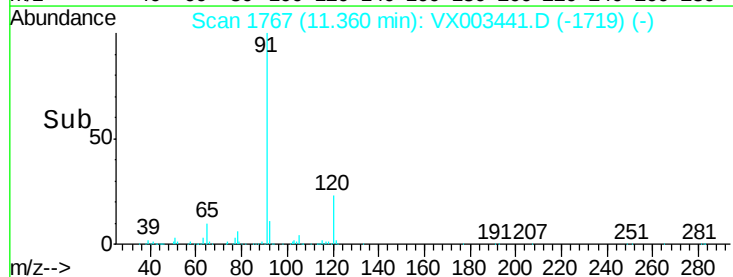
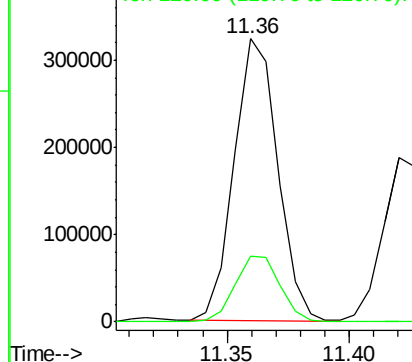
Lab File: VX003441.D

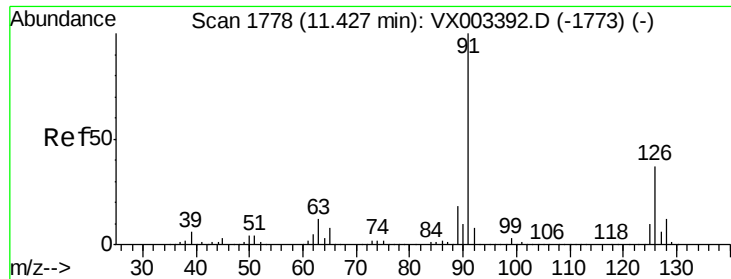
Acq: 18 Jul 2018 12:29

Tgt Ion:	91	Resp:	399992
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





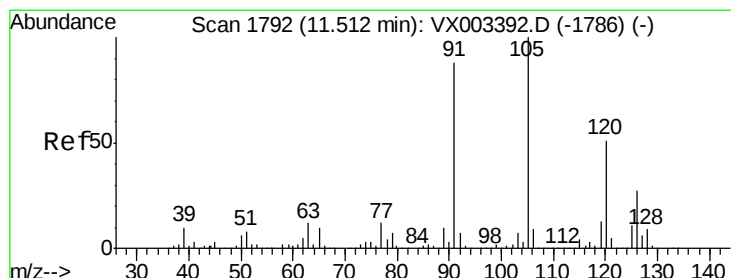
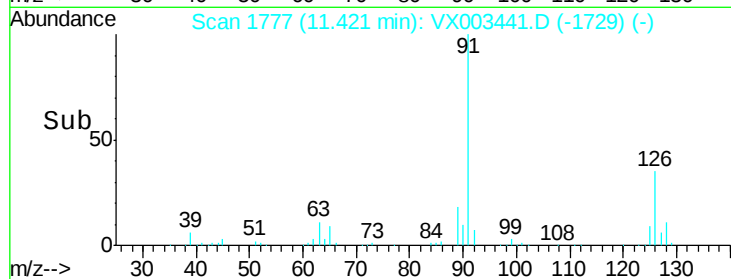
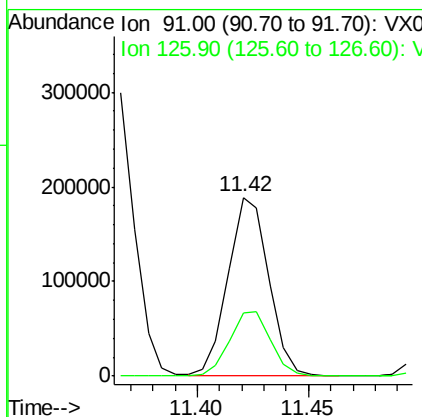
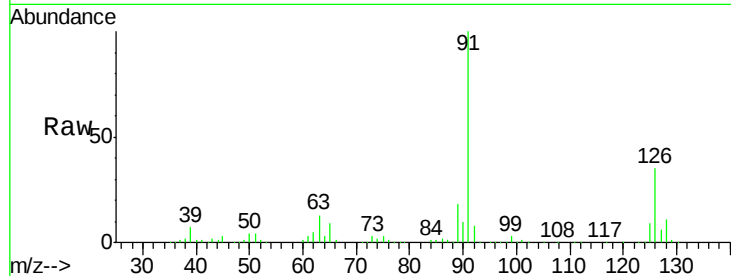
#79
 2-Chlorotoluene
 Concen: 20.04 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBS01

Tot Ion: 91 Resp: 239517
 Ion Ratio Lower Upper
 91 100
 126 36.6 17.7 53.1

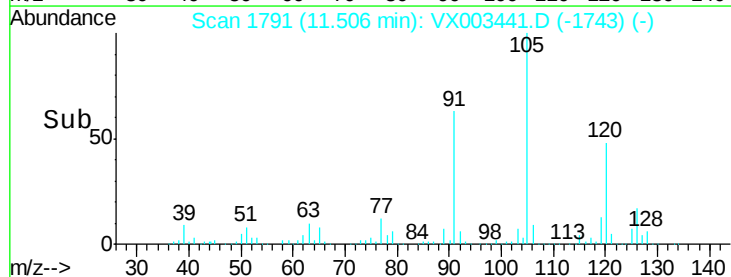
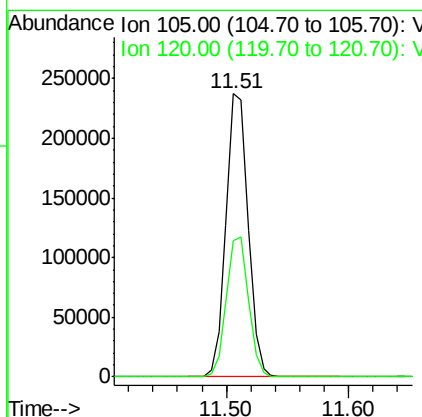
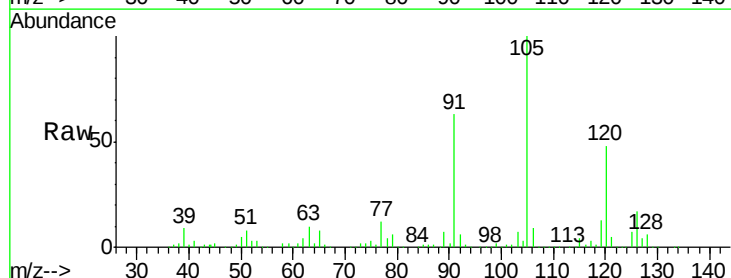
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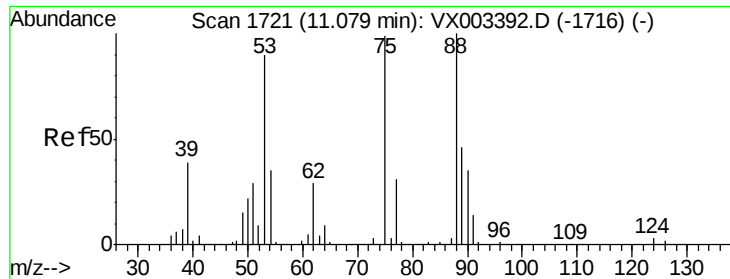
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.72 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion:105 Resp: 295380
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.37 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion: 75 Resp: 27892

Ion Ratio Lower Upper

75 100

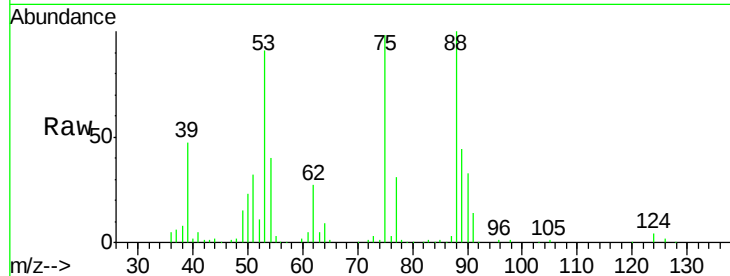
53 99.0 86.8 130.2

89 51.4 38.2 57.2

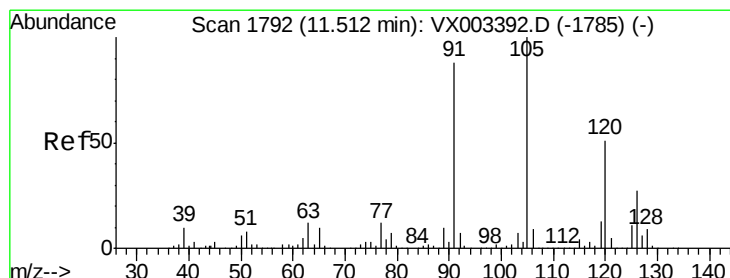
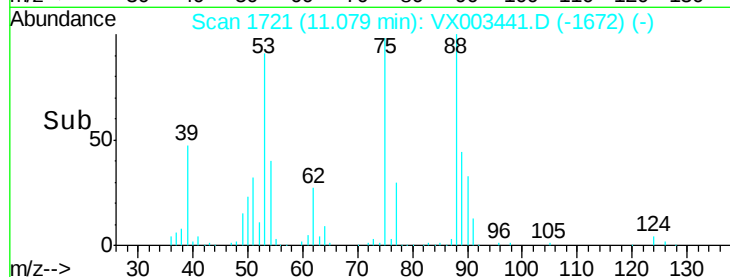
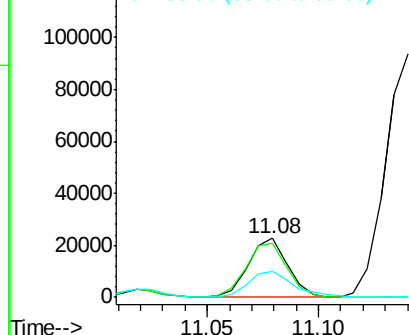
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.12 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003441.D

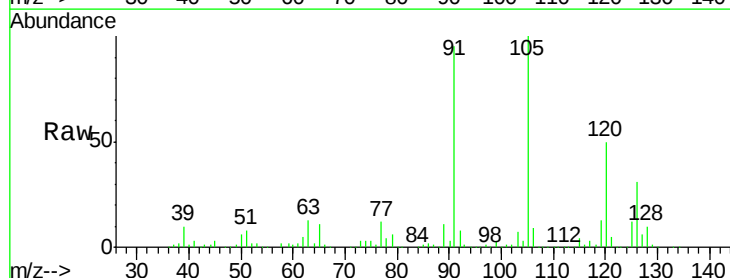
Acq: 18 Jul 2018 12:29

Tgt Ion: 91 Resp: 280479

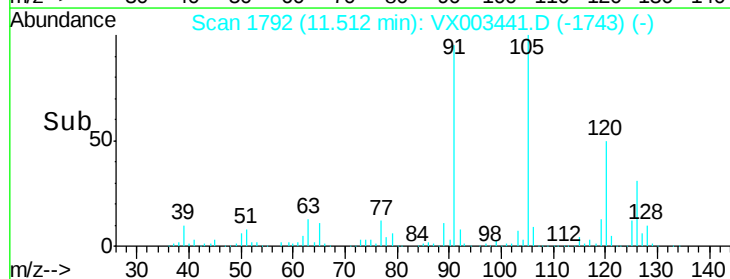
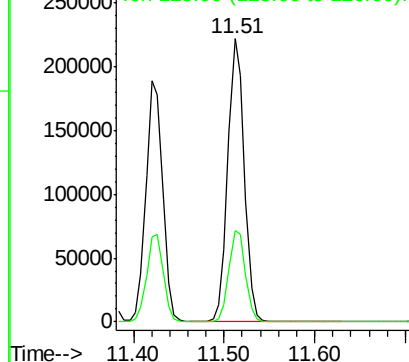
Ion Ratio Lower Upper

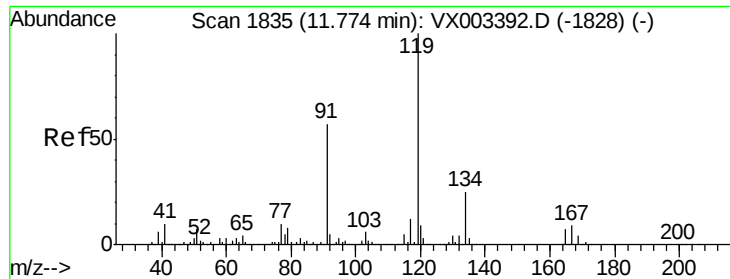
91 100

126 32.3 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





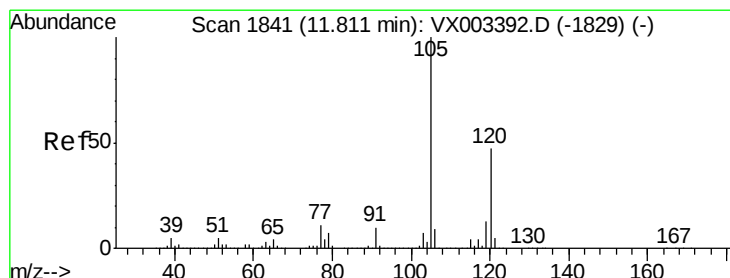
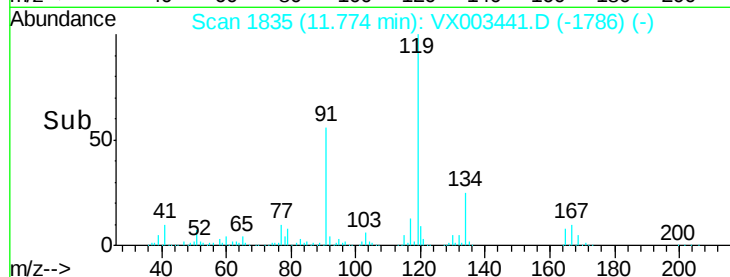
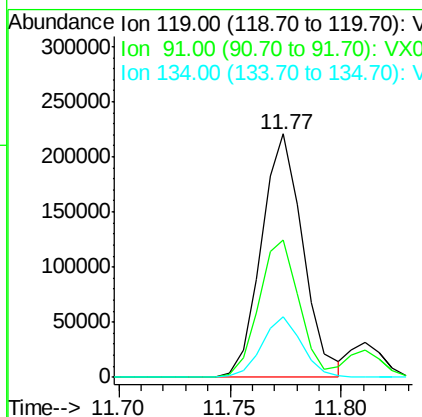
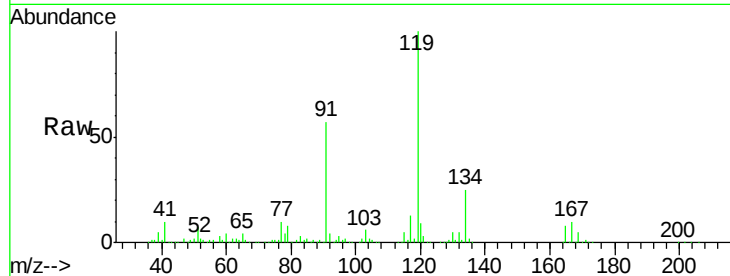
#83
 tert-Butylbenzene
 Concen: 20.55 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286235		
91	54.7		30.3	90.9
134	23.9		11.7	35.1

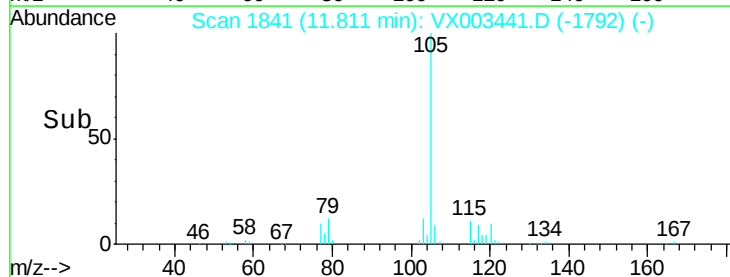
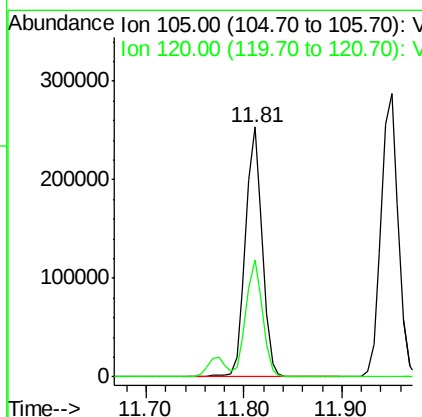
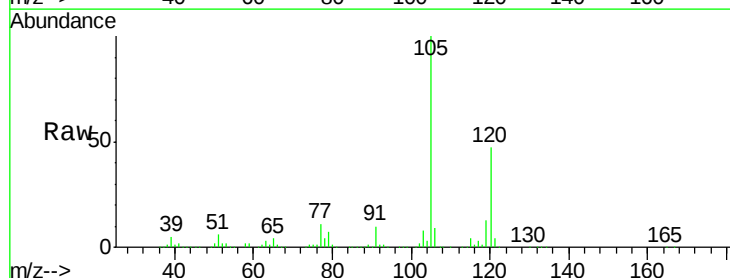
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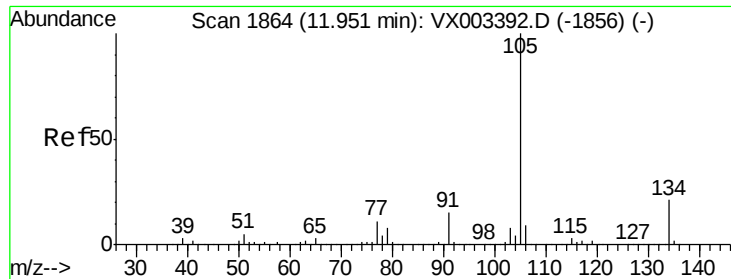
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.63 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	302037		
120	46.6		22.3	66.8





#85

sec-Butylbenzene

Concen: 20.71 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

VX0718WBS01

Tot Ion:105 Resp: 349928

Ion Ratio Lower Upper

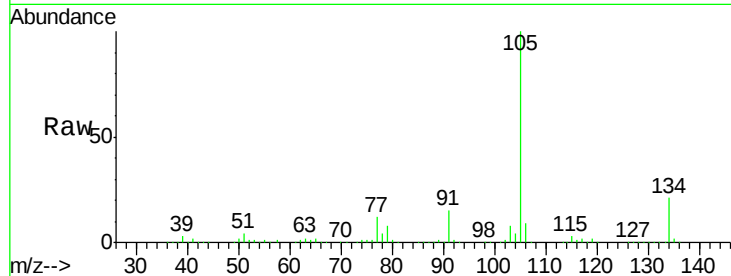
105 100

134 20.5 10.4 31.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

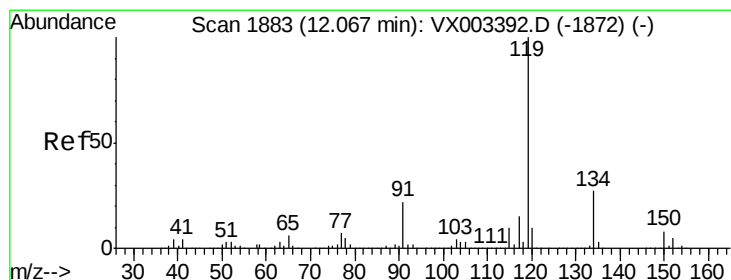
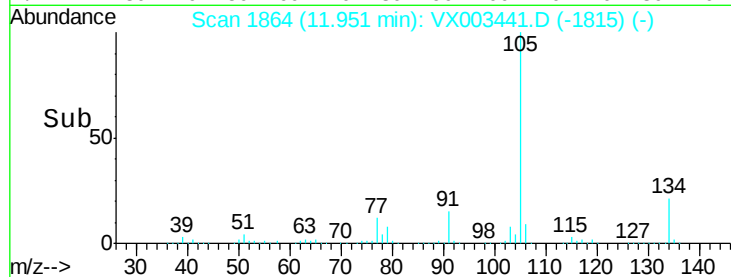
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.89 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

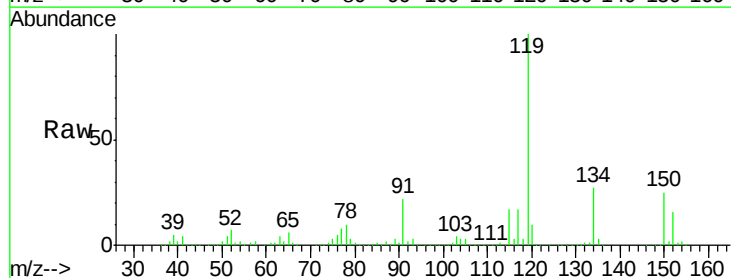
Tgt Ion:119 Resp: 314240

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.7 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

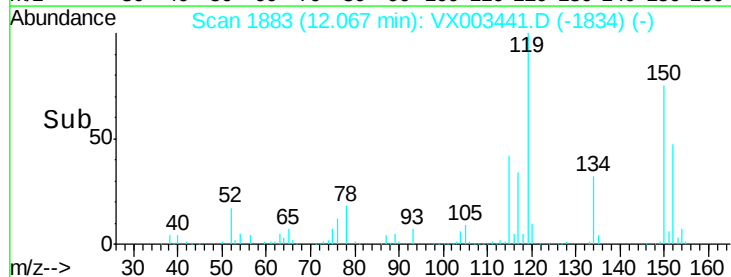
300000

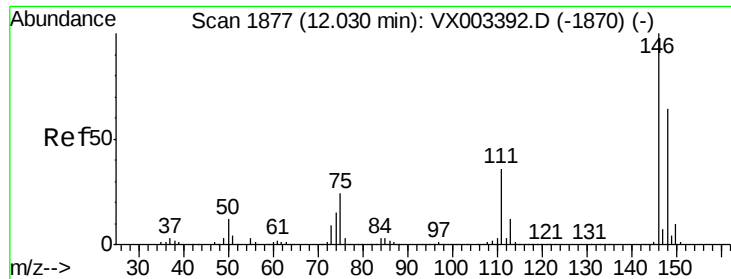
200000

100000

0

Time-->





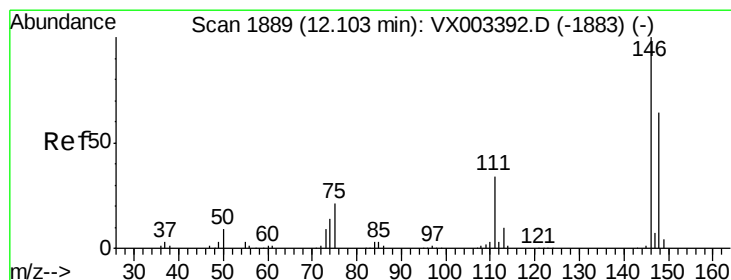
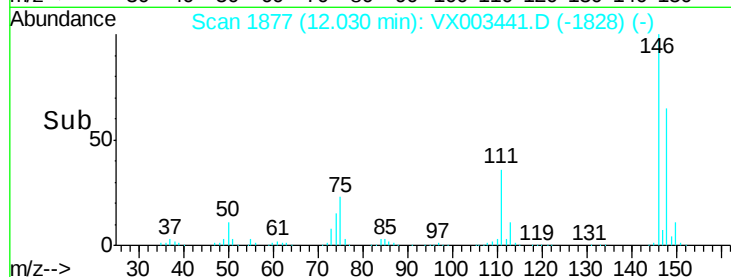
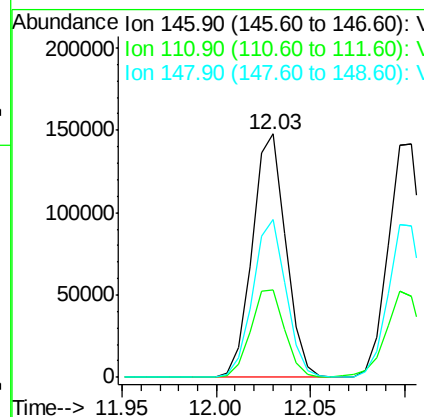
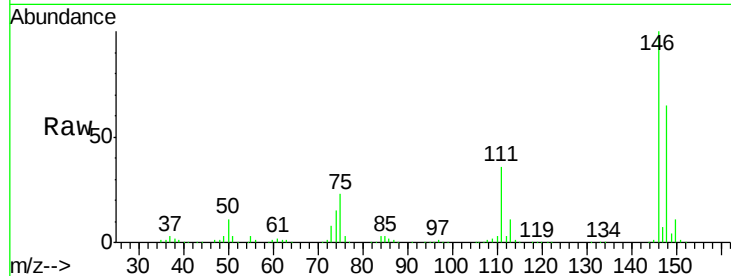
#87
 1,3-Dichlorobenzene
 Concen: 20.13 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	64.2	32.1	96.3

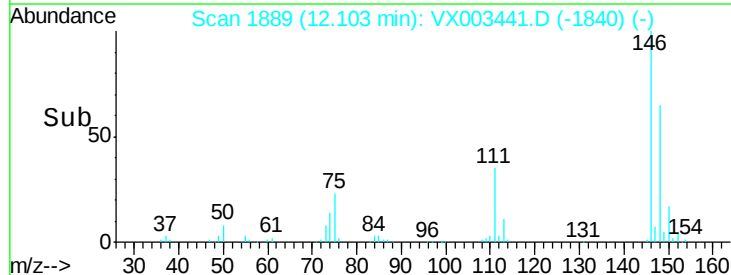
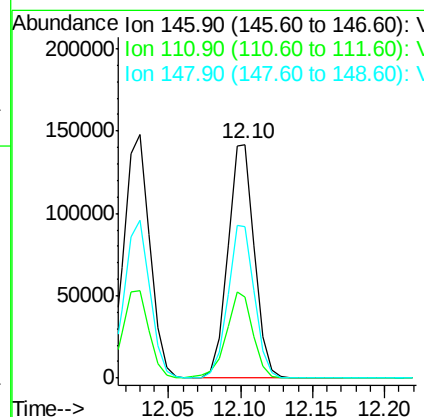
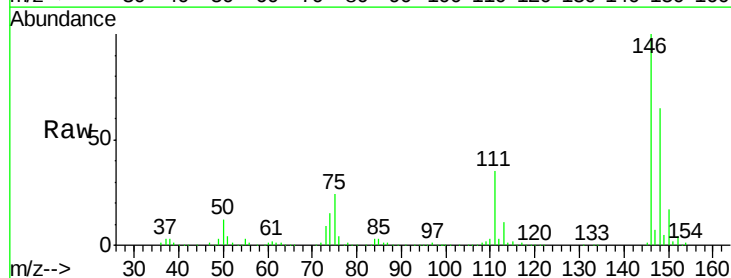
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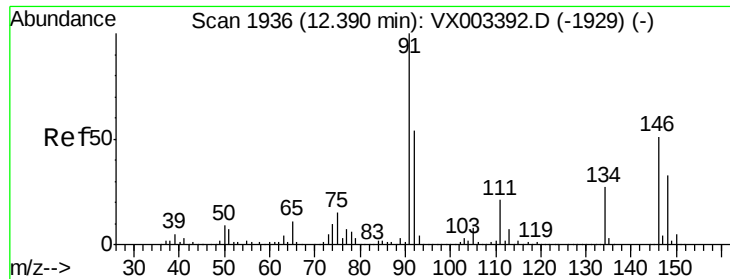
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#88
 1,4-Dichlorobenzene
 Concen: 20.02 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	65.1	32.4	97.0





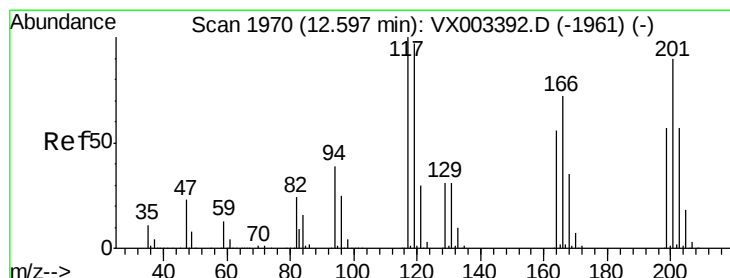
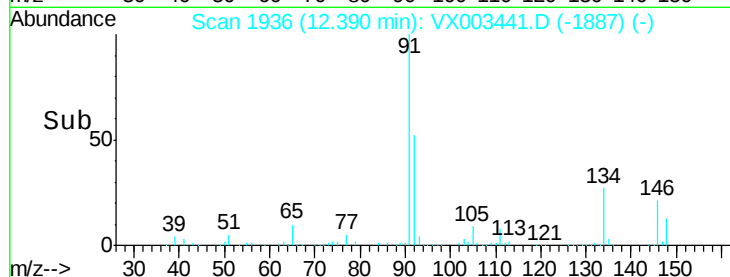
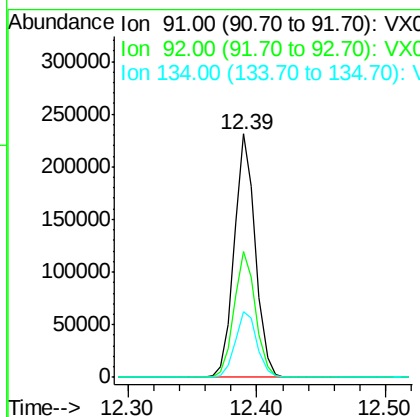
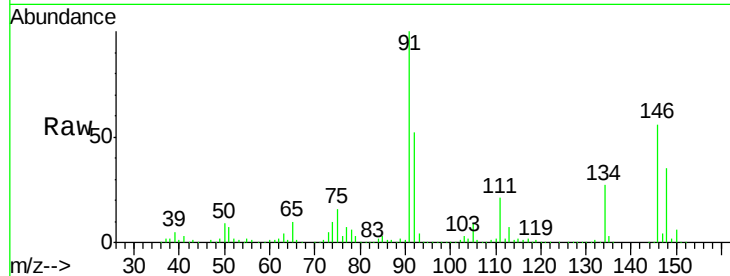
#89
n-Butylbenzene
Concen: 20.59 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :
VX0718WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.0	78.0
134	28.0	13.5	40.5

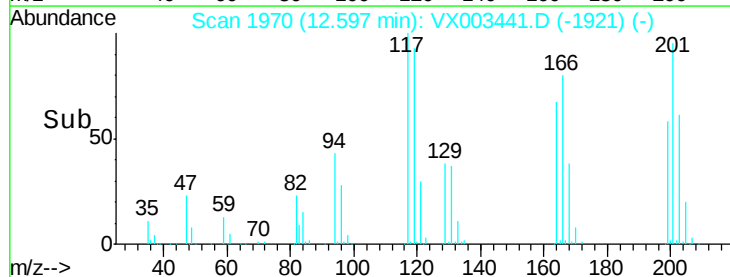
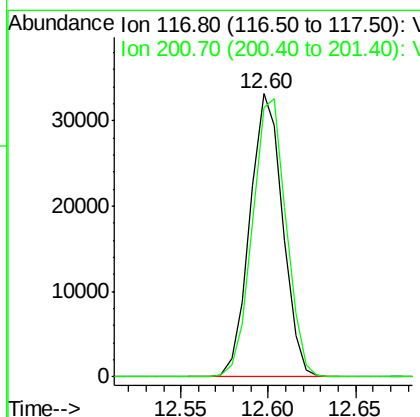
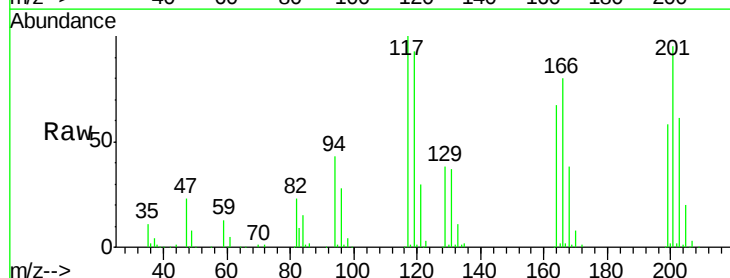
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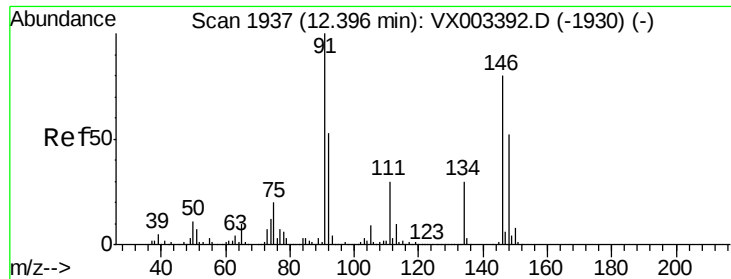
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#90
Hexachloroethane
Concen: 18.94 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.6	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 20.11 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

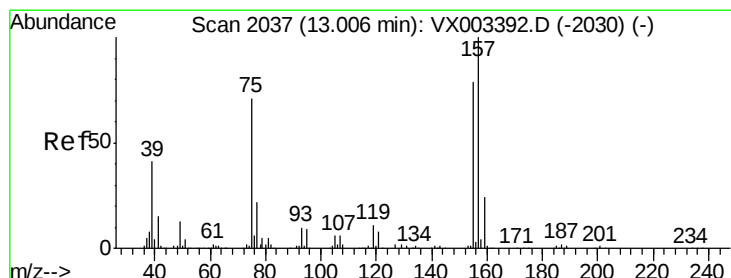
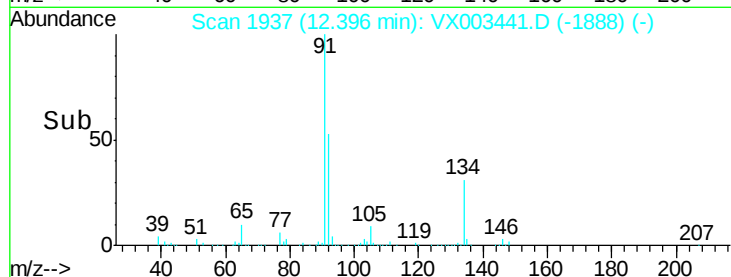
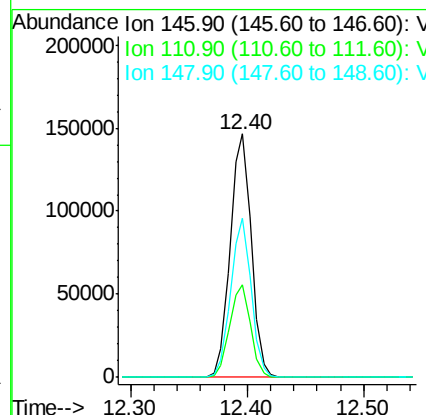
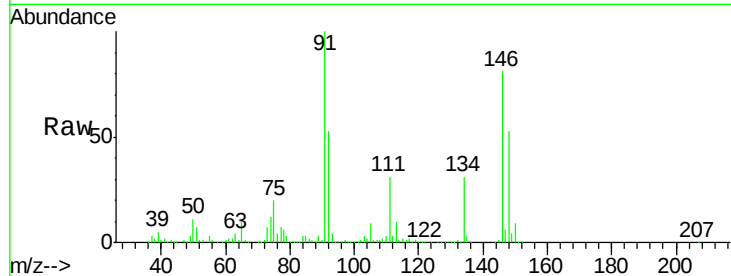
ClientSampleId :

VX0718WBS01

Tot Ion:	146	Resp:	183176
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.4	58.1
148	63.6	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.90 ug/l

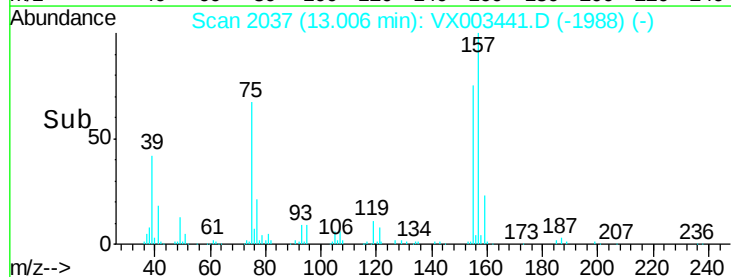
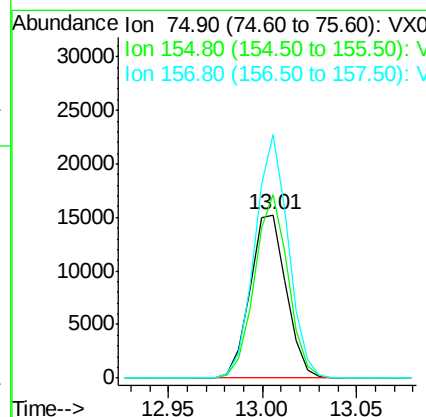
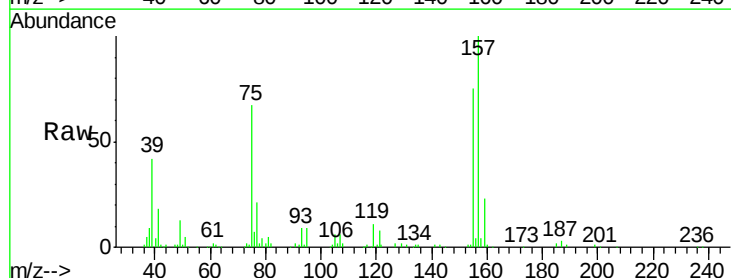
RT: 13.01 min Scan# 2037

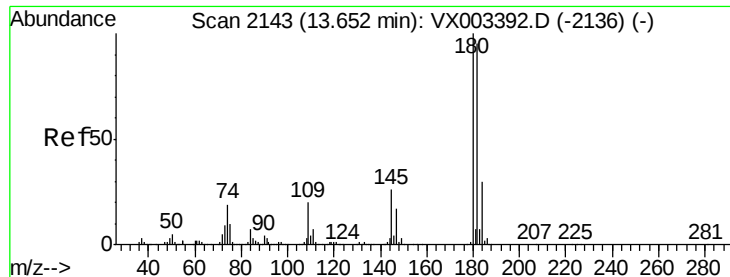
Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Tgt Ion:	75	Resp:	20249
Ion Ratio	Lower	Upper	
75	100		
155	103.9	45.8	137.4
157	138.2	60.1	180.3





#93

1,2,4-Trichlorobenzene

Concen: 20.95 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

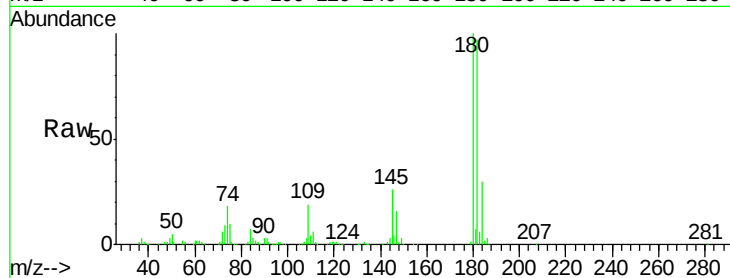
ClientSampleId :

VX0718WBS01

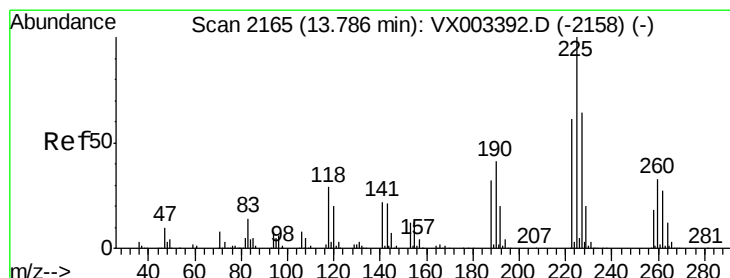
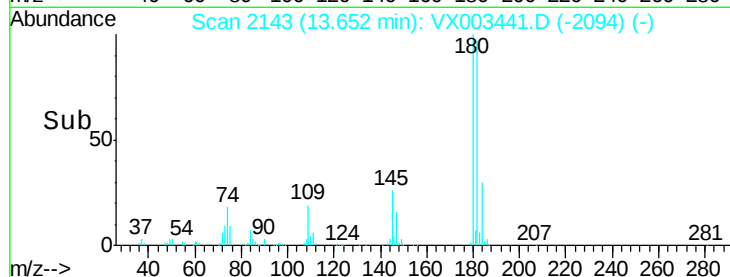
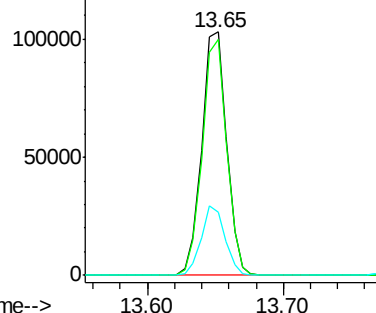
Tot Ion:	180	Resp:	130582
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.7	143.1
145	27.5	14.1	42.4

Manual Integrations
APPROVED

MMDadoda
7/19/2018 1:04:12 PM



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



#94

Hexachlorobutadiene

Concen: 21.32 ug/l

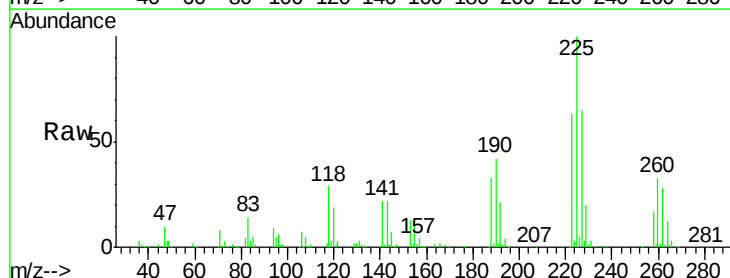
RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

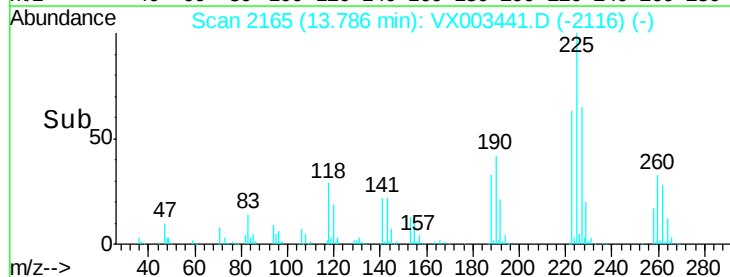
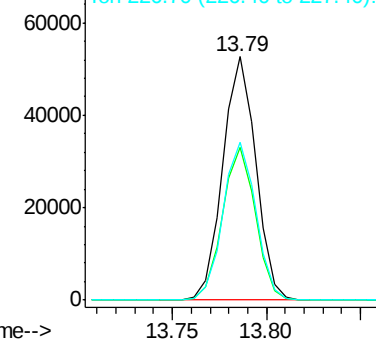
Lab File: VX003441.D

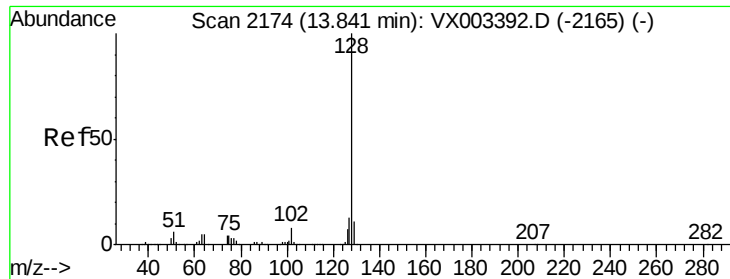
Acq: 18 Jul 2018 12:29

Tgt Ion:	225	Resp:	63977
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.6	95.0
227	64.6	32.4	97.2



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: 20.33 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

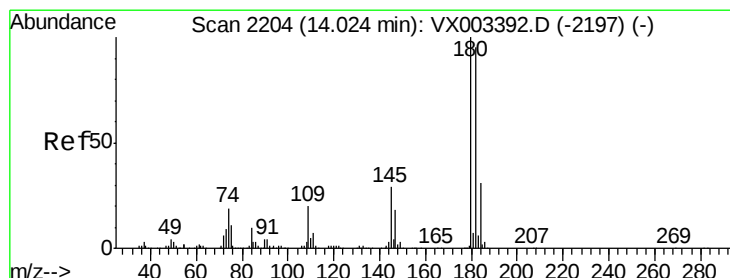
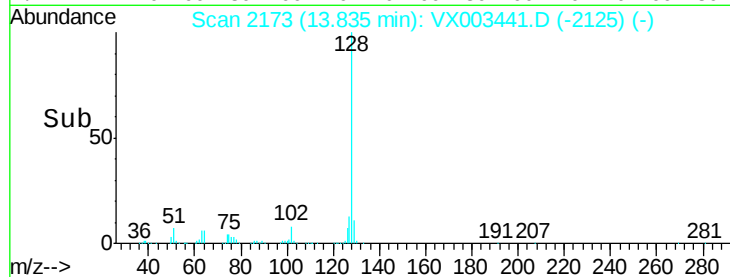
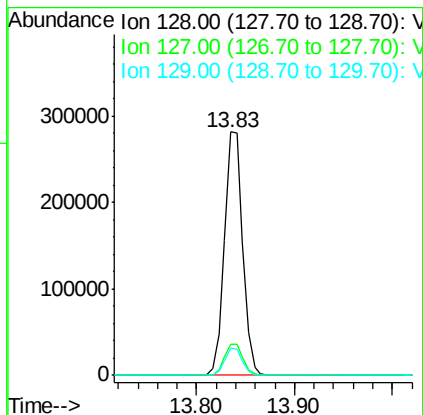
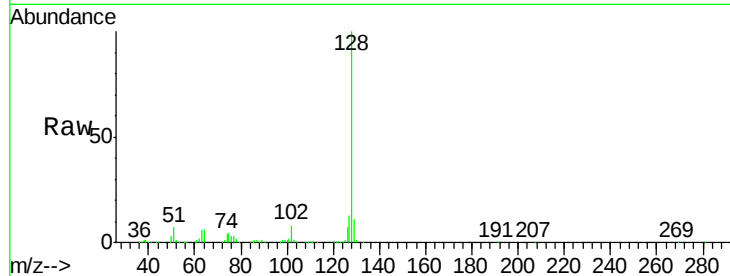
ClientSampleId :

VX0718WBS01

Tot Ion:	128	Resp:	363171
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/19/2018 1:04:12 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.69 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Tgt Ion:	180	Resp:	132682
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.0
145	29.1	14.8	44.3

