

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003922.D
 Acq On : 08 Aug 2018 14:38
 Operator : JC/MD
 Sample : VX0808WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/9/2018 10:39:45 AM

Quant Time: Aug 09 03:56:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	337216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	489054	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	459134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	269824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	216905	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	5.50	113	177599	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	8.72	98	697954	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.14	95	251939	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	66678	19.51	ug/l	99
3) Chloromethane	1.32	50	82240	17.69	ug/l	99
4) Vinyl Chloride	1.40	62	87404	18.85	ug/l	99
5) Bromomethane	1.64	94	54113	19.61	ug/l	99
6) Chloroethane	1.72	64	64148	21.62	ug/l	98
7) Trichlorofluoromethane	1.93	101	116582	19.04	ug/l	98
8) Diethyl Ether	2.19	74	52613	19.12	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	72501	18.95	ug/l	99
10) Methyl Iodide	2.51	142	92483	19.43	ug/l	99
11) Tert butyl alcohol	3.07	59	100962	93.99	ug/l	100
12) 1,1-Dichloroethene	2.37	96	68896	19.04	ug/l	99
13) Acrolein	2.29	56	52041	89.92	ug/l	98
14) Allyl chloride	2.73	41	133499	19.13	ug/l	99
15) Acrylonitrile	3.15	53	240968	94.01	ug/l	100
16) Acetone	2.45	43	253620	95.37	ug/l	99
17) Carbon Disulfide	2.57	76	184132	18.23	ug/l	97
18) Methyl Acetate	2.78	43	111274	19.22	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	247833	19.32	ug/l	100
20) Methylene Chloride	2.86	84	82771	18.60	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	75258	18.32	ug/l	98
22) Diisopropyl ether	3.87	45	244822	19.09	ug/l	100
23) Vinyl Acetate	3.82	43	1014287	95.05	ug/l	100
24) 1,1-Dichloroethane	3.70	63	138548	18.19	ug/l	97
25) 2-Butanone	4.71	43	381677	95.46	ug/l	100
26) 2,2-Dichloropropane	4.58	77	106220	19.33	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	85343	19.14	ug/l	99
28) Bromochloromethane	5.02	49	65548	20.11	ug/l	99
29) Tetrahydrofuran	5.17	42	190543	92.72	ug/l	100
30) Chloroform	5.21	83	140001	19.52	ug/l	99
31) Cyclohexane	5.57	56	120280	18.67	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	115651	19.23	ug/l	99
36) 1,1-Dichloropropene	5.80	75	104954	19.16	ug/l	100
37) Ethyl Acetate	4.86	43	113183	18.78	ug/l	99
38) Carbon Tetrachloride	5.79	117	100152	19.21	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	116862	18.10	ug/l	99
40) Benzene	6.15	78	321887	19.57	ug/l	100
41) Methacrylonitrile	5.06	41	63689	19.19	ug/l	99
42) 1,2-Dichloroethane	6.20	62	109443	19.68	ug/l	100
43) Isopropyl Acetate	6.47	43	170503	18.80	ug/l	100
44) Trichloroethene	7.21	130	85120	18.92	ug/l	94
45) 1,2-Dichloropropane	7.52	63	81749	19.25	ug/l	98
46) Dibromomethane	7.67	93	52590	19.07	ug/l	100
47) Bromodichloromethane	7.90	83	99665	19.19	ug/l	100
48) Methyl methacrylate	7.78	41	86993	18.87	ug/l	99
49) 1,4-Dioxane	7.76	88	41176	379.23	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	729574	97.07	ug/l	100
52) Toluene	8.79	92	207014	19.92	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	109818	18.70	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	121462	19.19	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	82106	19.33	ug/l	99
56) Ethyl methacrylate	9.18	69	115179	18.69	ug/l	99
57) 1,3-Dichloropropane	9.37	76	139802	19.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	306345	101.11	ug/l	99
59) 2-Hexanone	9.50	43	558764	99.46	ug/l	99
60) Dibromochloromethane	9.59	129	77633	19.61	ug/l	100
61) 1,2-Dibromoethane	9.68	107	85066	20.01	ug/l	100
64) Tetrachloroethene	9.34	164	80905	17.91	ug/l	97
65) Chlorobenzene	10.14	112	226614	18.97	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	78126	19.02	ug/l	98
67) Ethyl Benzene	10.26	91	379181	19.39	ug/l	99
68) m/p-Xylenes	10.36	106	299446	39.19	ug/l	96
69) o-Xylene	10.70	106	142075	19.70	ug/l	97
70) Styrene	10.71	104	237072	20.07	ug/l	98
71) Bromoform	10.86	173	57657	18.51	ug/l #	100
73) Isopropylbenzene	11.02	105	383114	19.19	ug/l	97
74) N-amyl acetate	6.47	43	170503	16.43	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	127886	18.69	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	114074m	19.14	ug/l	
77) Bromobenzene	11.26	156	101346	19.03	ug/l	99
78) n-propylbenzene	11.36	91	435070	19.41	ug/l	100
79) 2-Chlorotoluene	11.42	91	262664	19.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	316827	19.47	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	34089	17.09	ug/l	94
82) 4-Chlorotoluene	11.51	91	306209	19.13	ug/l	100
83) tert-Butylbenzene	11.77	119	310818	19.41	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	326768	19.97	ug/l	100
85) sec-Butylbenzene	11.95	105	372410	19.71	ug/l	100
86) p-Isopropyltoluene	12.07	119	328952	19.40	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	182962	18.59	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	192093	20.19	ug/l	100
89) n-Butylbenzene	12.39	91	244287	16.53	ug/l	98
90) Hexachloroethane	12.60	117	44102	16.02	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	159832	16.38	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21677	15.47	ug/l	98

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD02

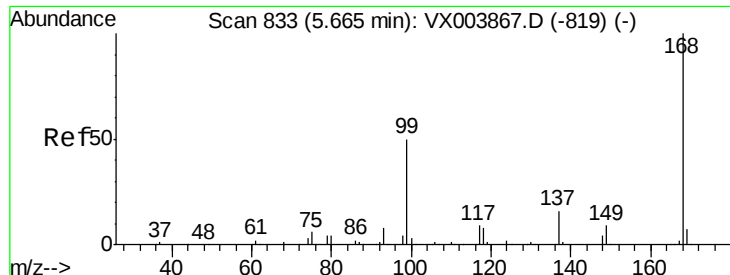
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	126868	18.08	ug/l	99
94) Hexachlorobutadiene	13.79	225	59506	19.49	ug/l	99
95) Naphthalene	13.83	128	391322	19.47	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131036	18.71	ug/l	99

(#) = 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: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD02

Tot Ion:168 Resp: 337216

Ion Ratio Lower Upper

168 100

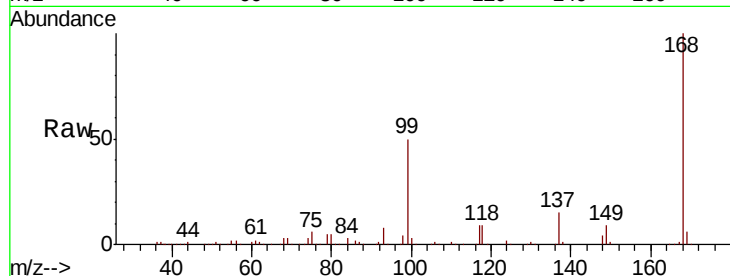
99 50.3 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

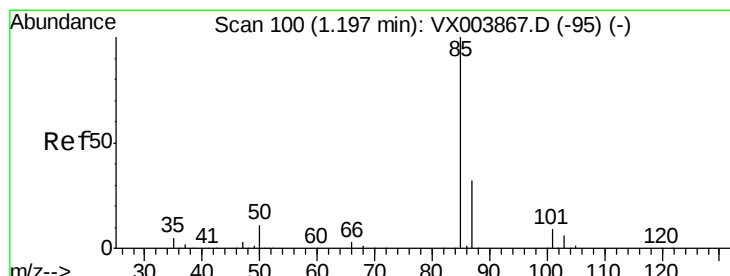
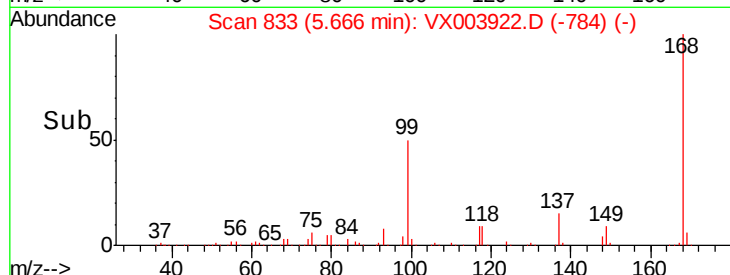
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.51 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003922.D

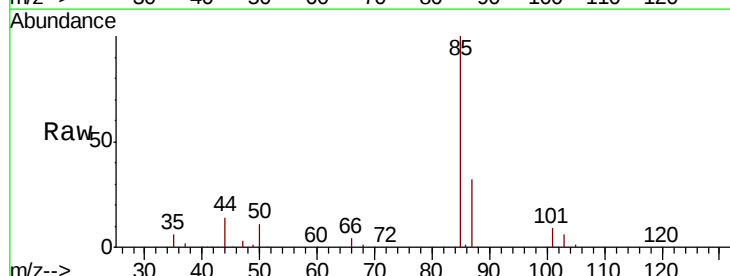
Acq: 08 Aug 2018 14:38

Tgt Ion: 85 Resp: 66678

Ion Ratio Lower Upper

85 100

87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

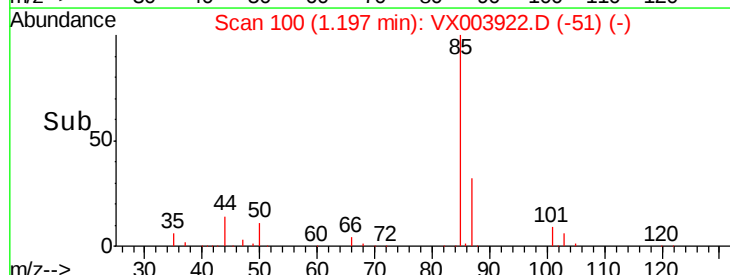
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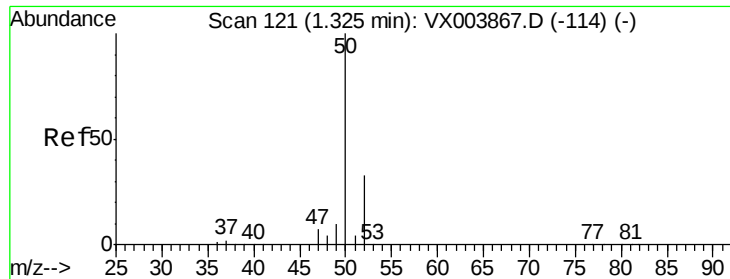
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20000

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Time-->





#3

Chloromethane

Concen: 17.69 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD02

Tot Ion: 50 Resp: 82240

Ion Ratio Lower Upper

50 100

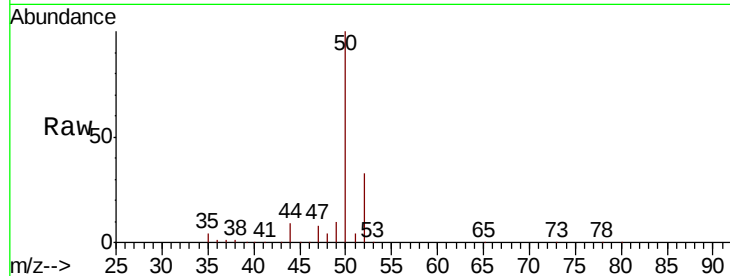
52 32.9 26.6 39.8

Manual Integrations

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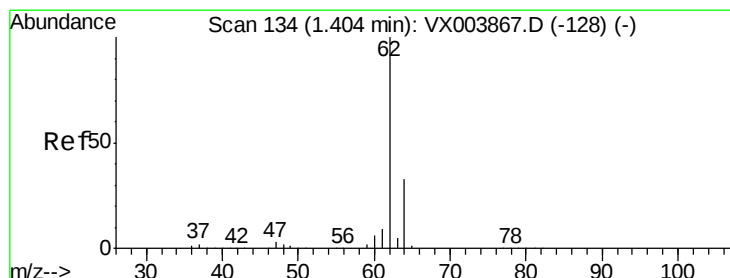
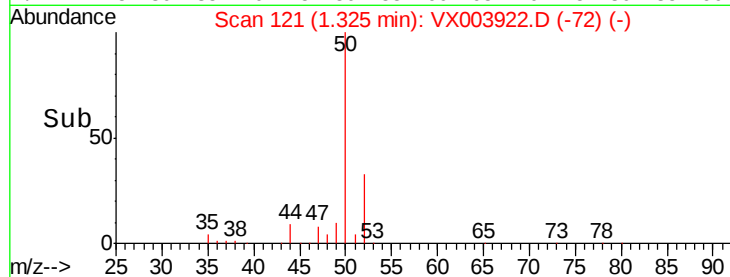
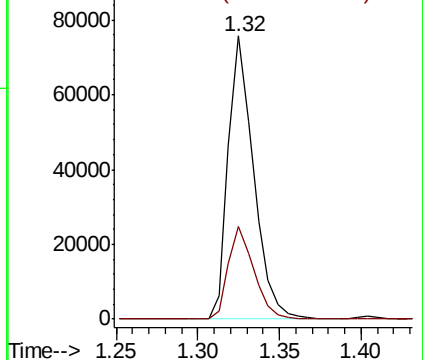
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.85 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003922.D

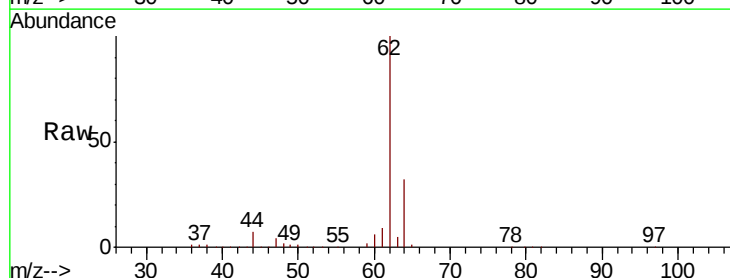
Acq: 08 Aug 2018 14:38

Tgt Ion: 62 Resp: 87404

Ion Ratio Lower Upper

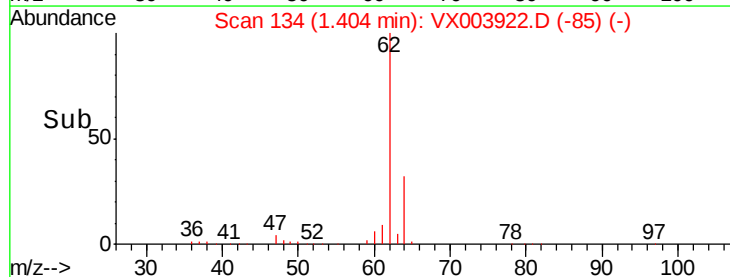
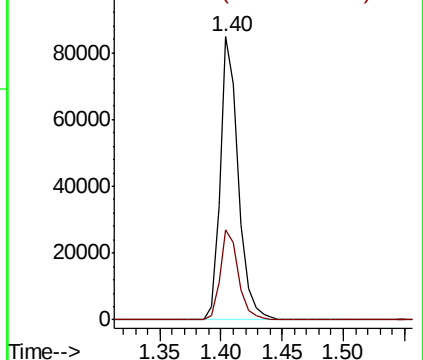
62 100

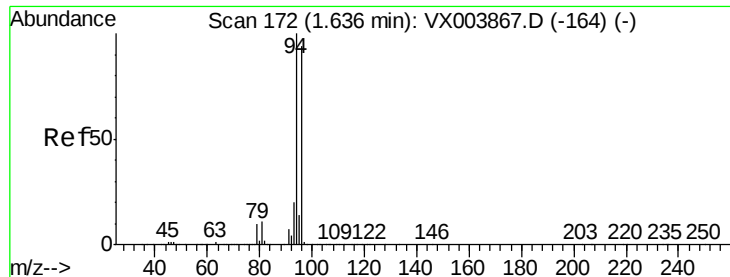
64 31.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.61 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD02

Tot Ion: 94 Resp: 54113

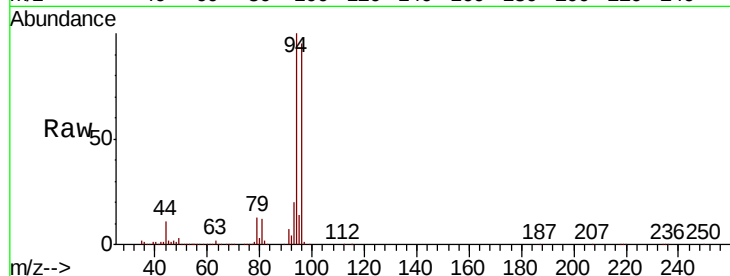
Ion Ratio Lower Upper

94 100

96 95.4 75.2 112.8

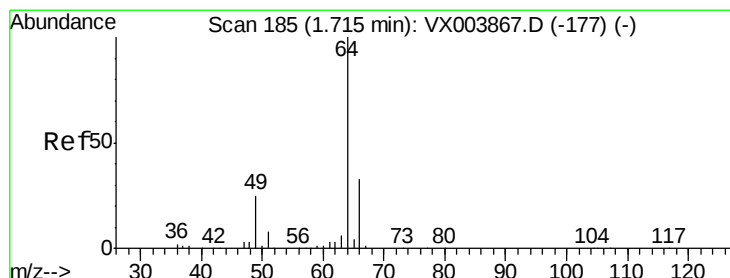
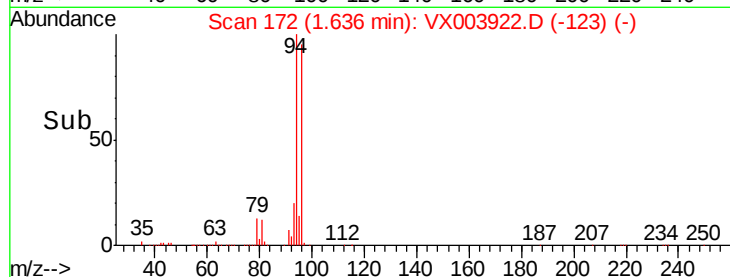
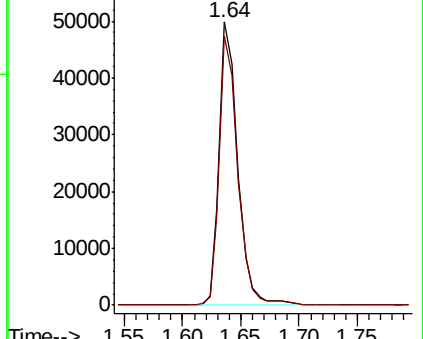
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8/9/2018 10:39:45 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.62 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003922.D

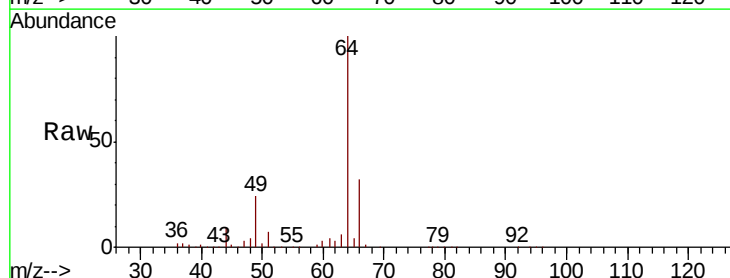
Acq: 08 Aug 2018 14:38

Tgt Ion: 64 Resp: 64148

Ion Ratio Lower Upper

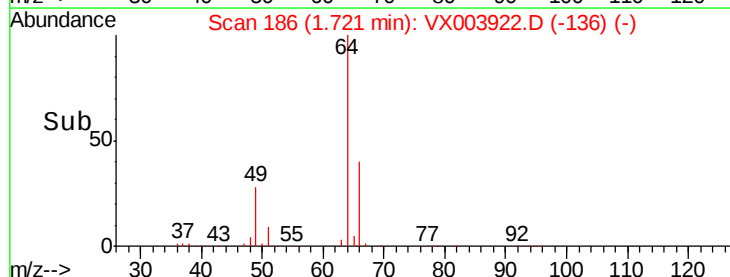
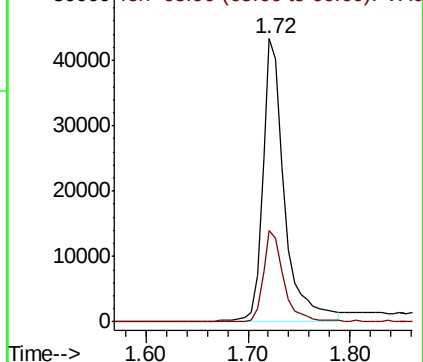
64 100

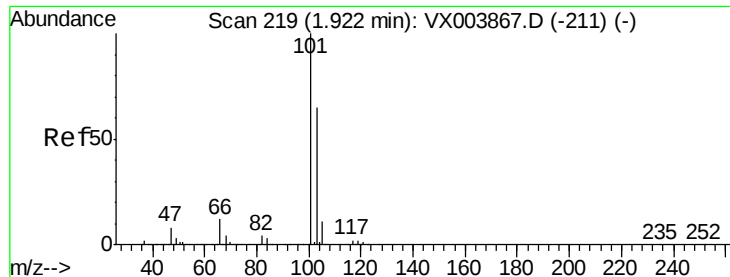
66 32.0 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

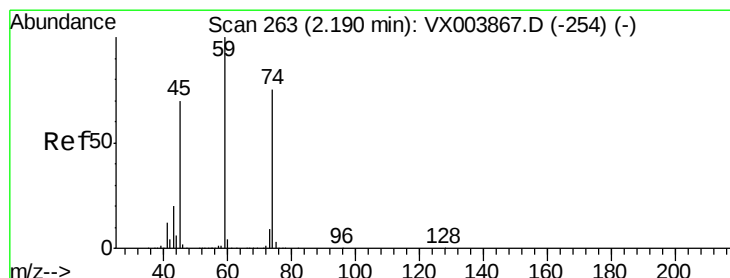
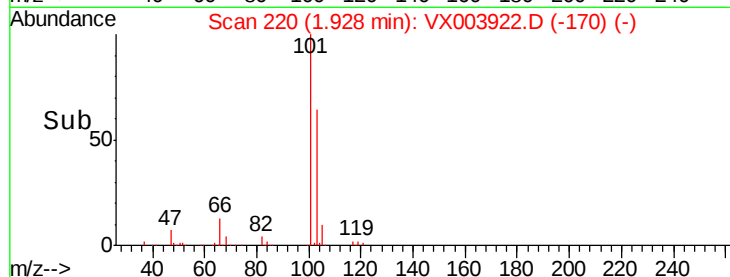
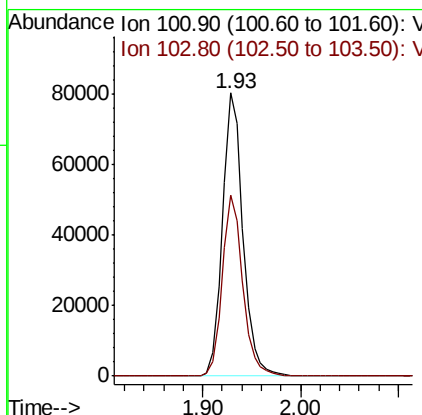
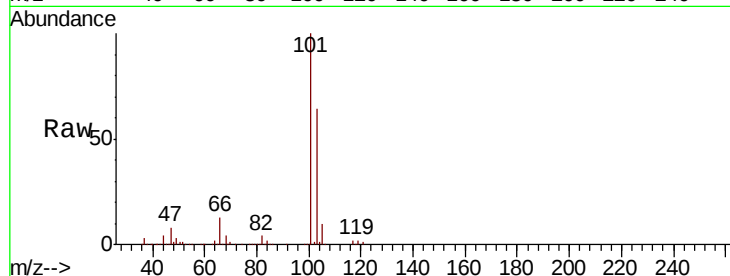
Trichlorofluoromethane
 Concen: 19.04 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Instrument :
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 ClientSampleId :
 VX0808WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.3	78.5

Manual Integrations
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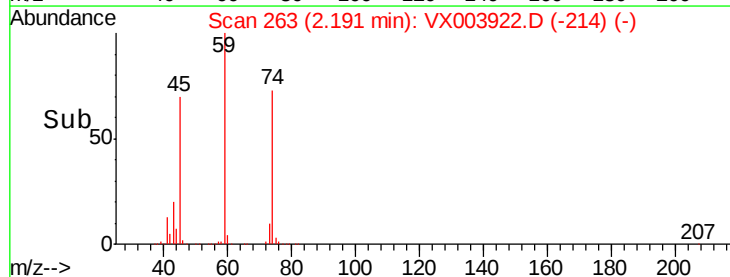
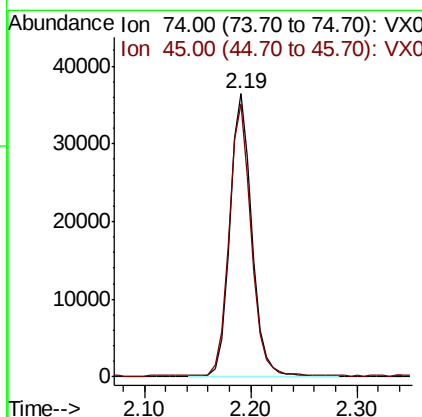
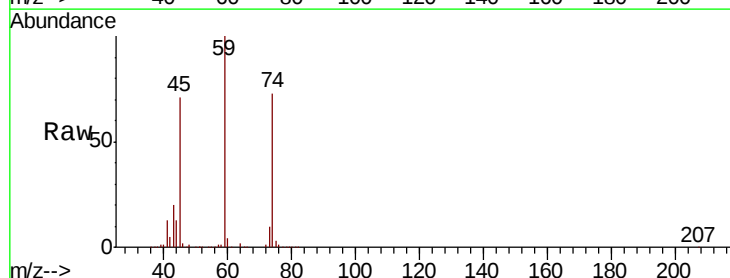
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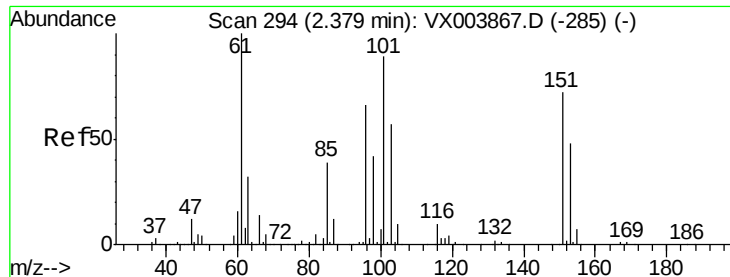


#8

Diethyl Ether
 Concen: 19.12 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.95 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

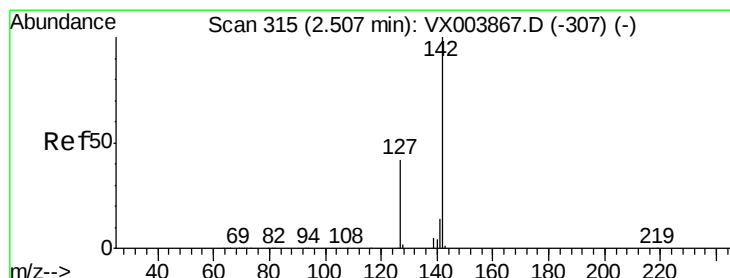
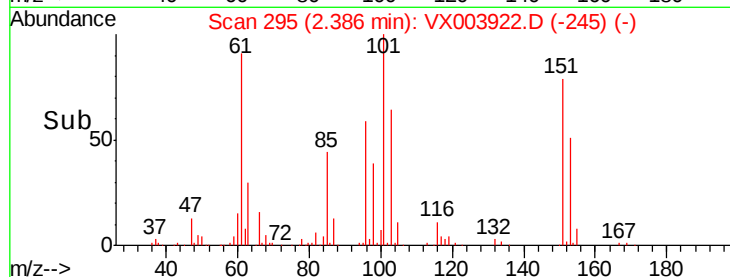
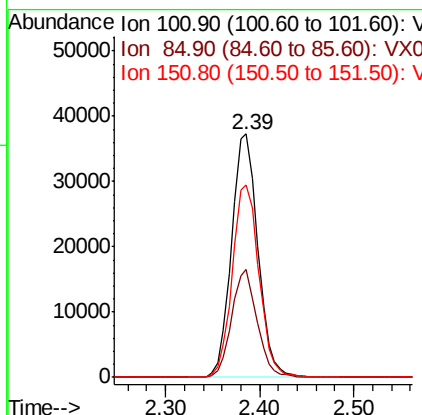
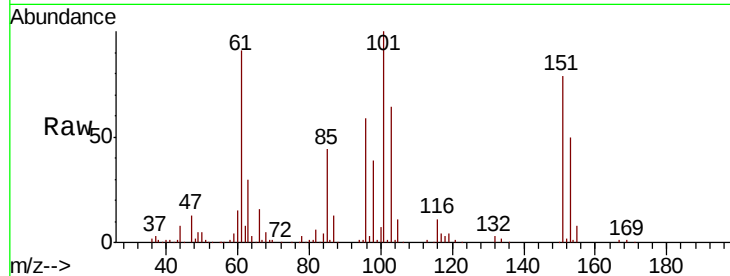
ClientSampleId :

VX0808WBSD02

Tot Ion:	101	Resp:	72501
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.4
151	80.3	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.43 ug/l

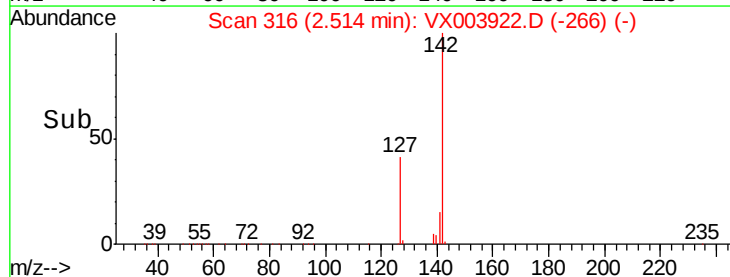
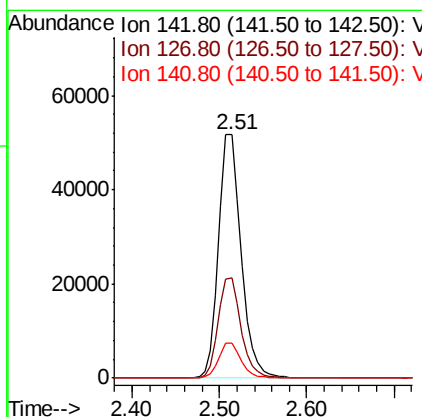
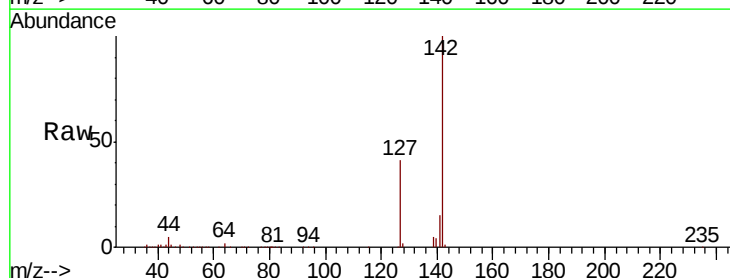
RT: 2.51 min Scan# 316

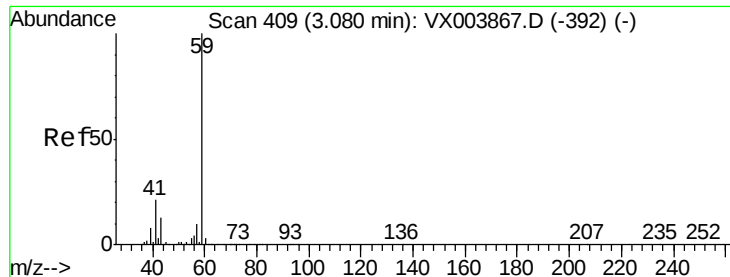
Delta R.T. 0.01 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Tgt Ion:	142	Resp:	92483
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.1	49.7
141	14.3	11.1	16.7





#11

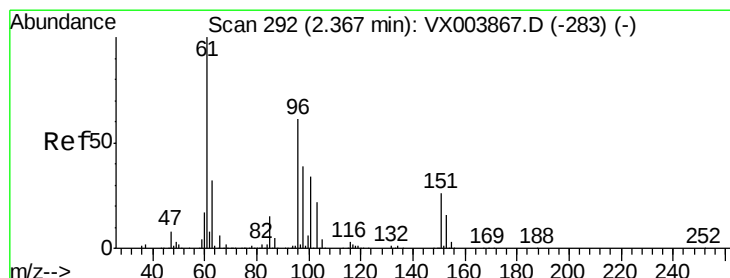
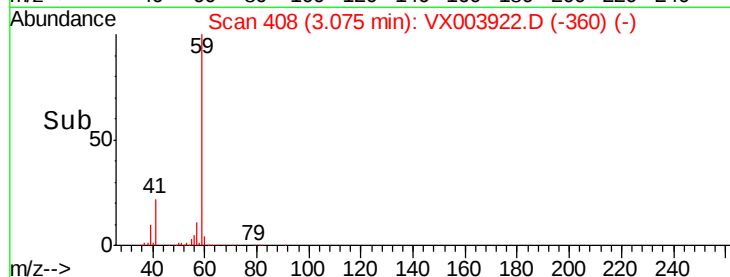
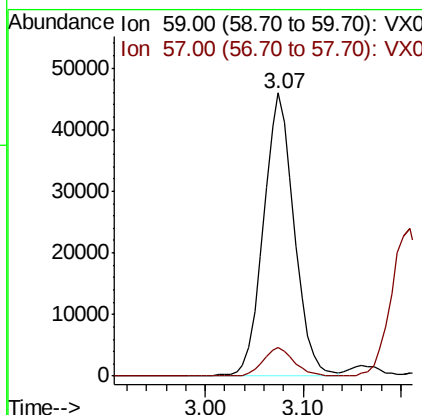
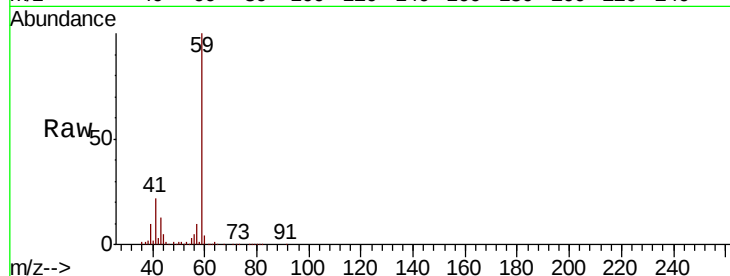
Tert butyl alcohol
Concen: 93.99 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampleID :
VX0808WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	100962		
57	57	10.2		8.1	12.1

Manual Integrations
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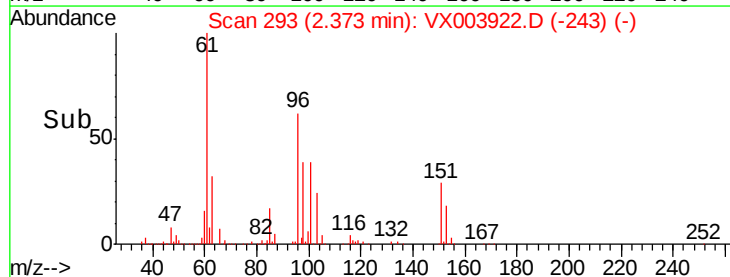
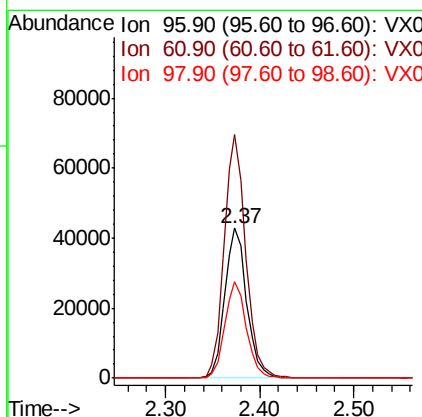
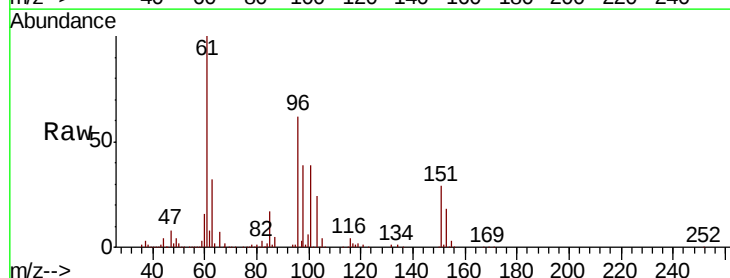
MMDadoda
8/9/2018 10:39:45 AM

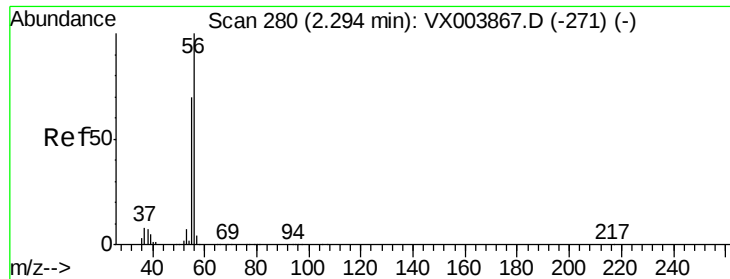


#12

1,1-Dichloroethene
Concen: 19.04 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	68896		
61	61	162.2		131.3	196.9
98	98	63.9		51.8	77.6





#13

Acrolein

Concen: 89.92 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD02

Tot Ion: 56 Resp: 52041

Ion Ratio Lower Upper

56 100

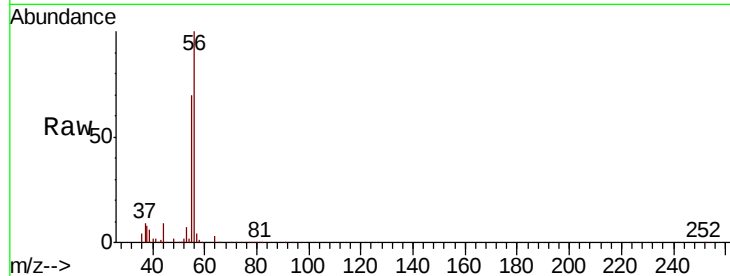
55 68.5 56.1 84.1

Manual Integrations

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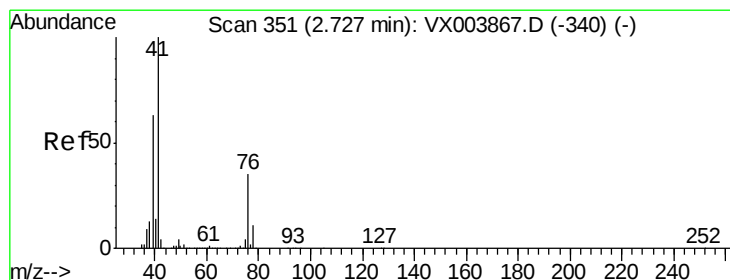
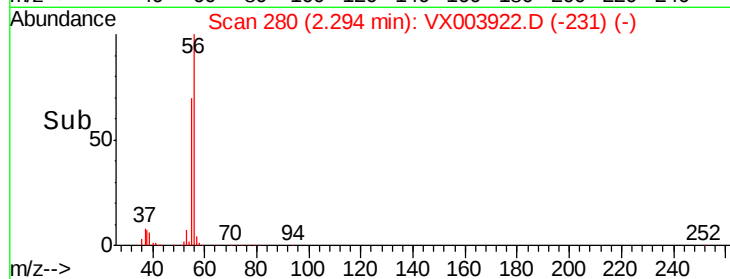
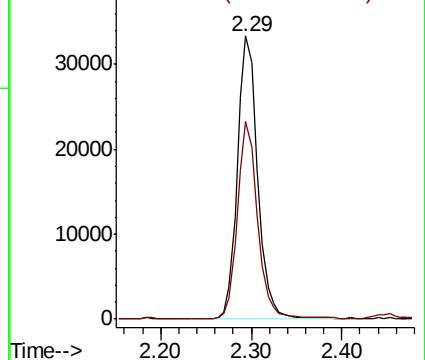
MMDadoda

8/9/2018 10:39:45 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.13 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

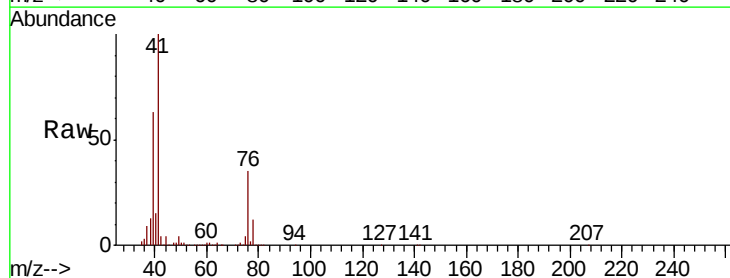
Tgt Ion: 41 Resp: 133499

Ion Ratio Lower Upper

41 100

39 60.2 47.4 71.0

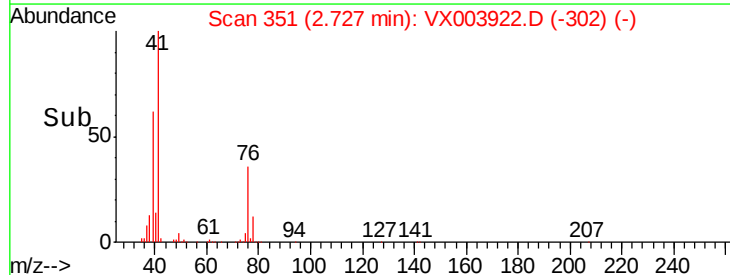
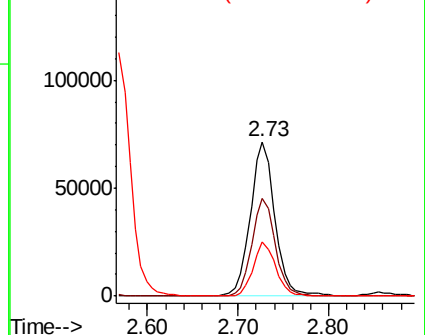
76 32.7 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 94.01 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

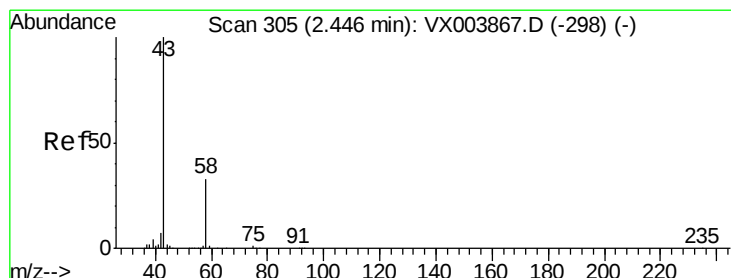
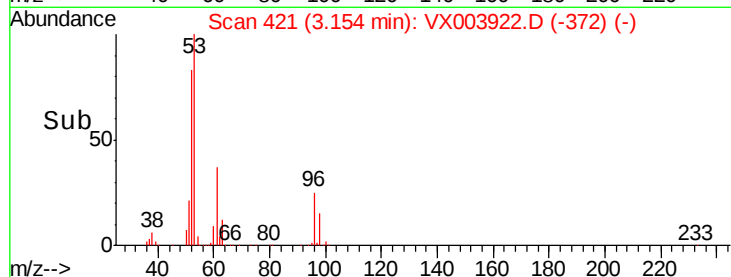
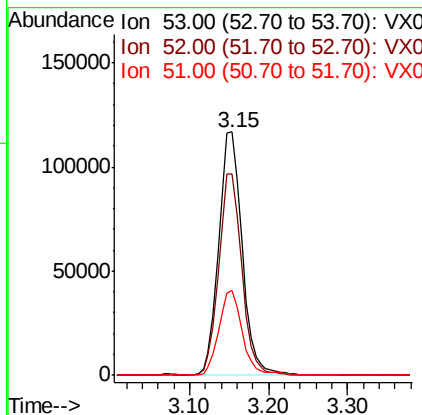
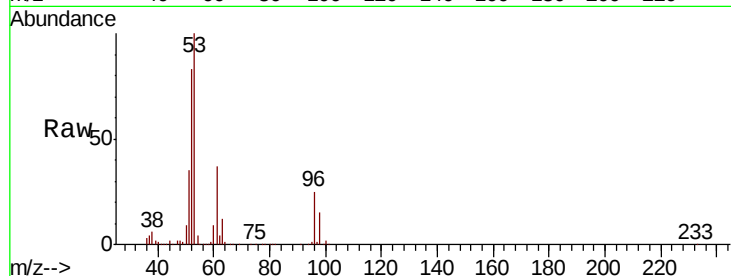
ClientSampleId :

VX0808WBSD02

Tot Ion:	53	Resp:	240968
Ion Ratio		Lower	Upper
53	100		
52	81.7	65.3	97.9
51	34.7	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 95.37 ug/l

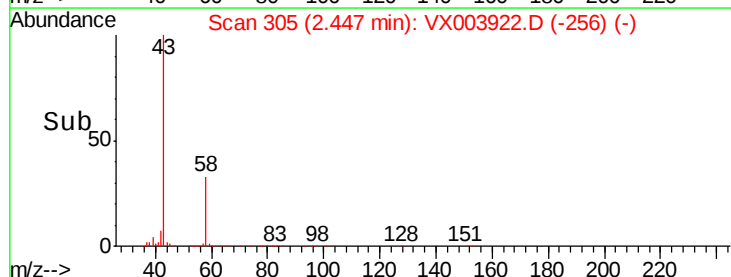
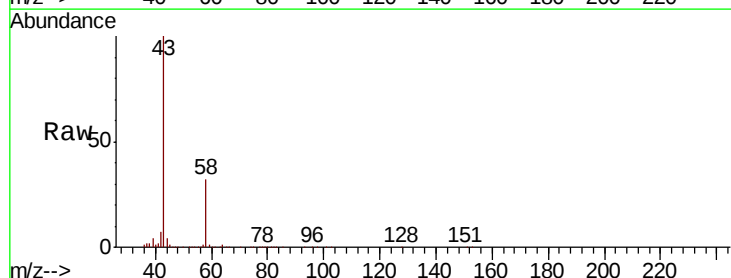
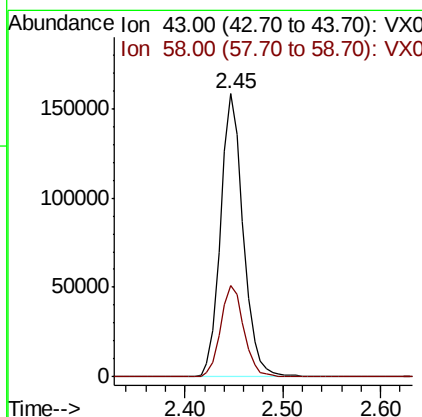
RT: 2.45 min Scan# 305

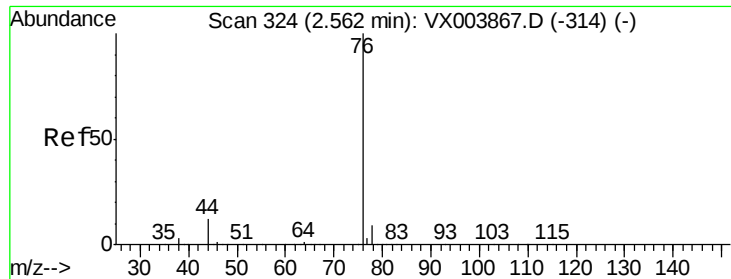
Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Tgt Ion:	43	Resp:	253620
Ion Ratio		Lower	Upper
43	100		
58	32.5	26.4	39.6





#17

Carbon Disulfide

Concen: 18.23 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD02

Tot Ion: 76 Resp: 184132

Ion Ratio Lower Upper

76 100

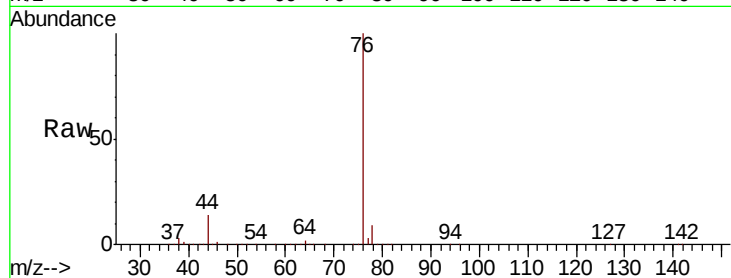
78 8.4 7.5 11.3

Manual Integrations

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8/9/2018 10:39:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

120000

100000

80000

60000

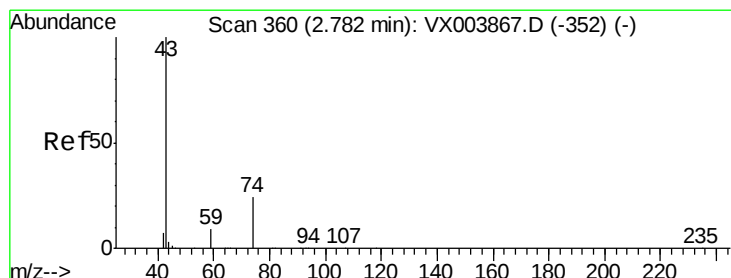
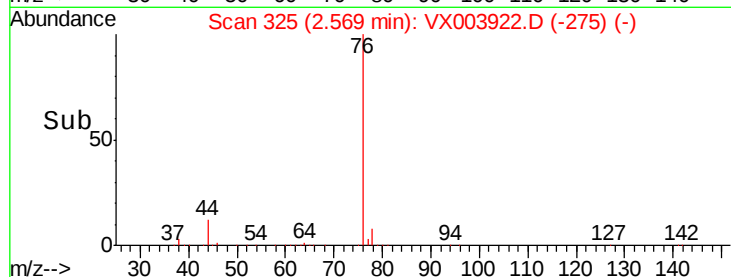
40000

20000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 19.22 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003922.D

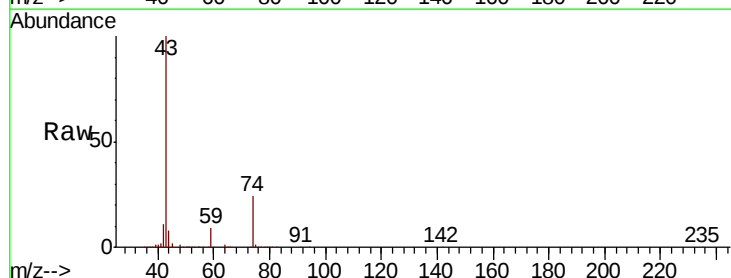
Acq: 08 Aug 2018 14:38

Tgt Ion: 43 Resp: 111274

Ion Ratio Lower Upper

43 100

74 24.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

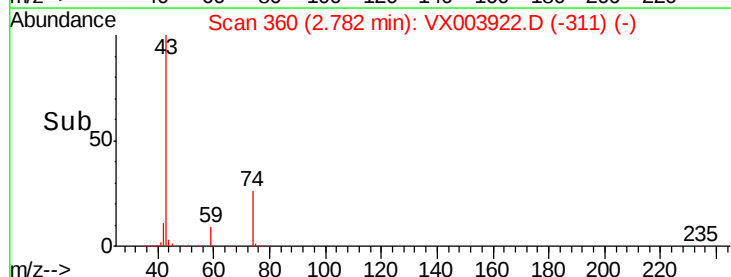
40000

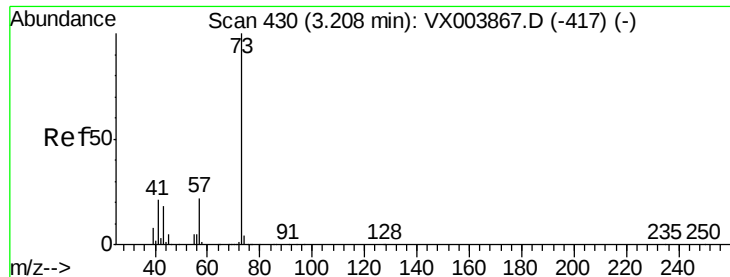
20000

0

Time-->

2.70 2.75 2.80 2.85 2.90





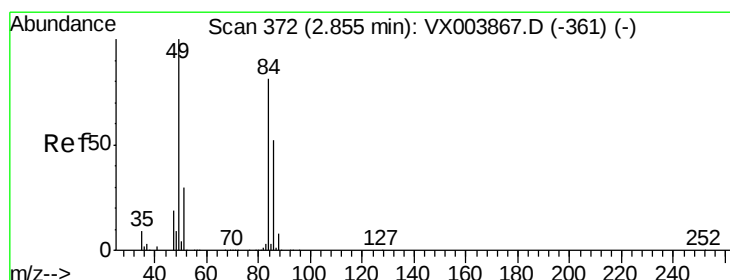
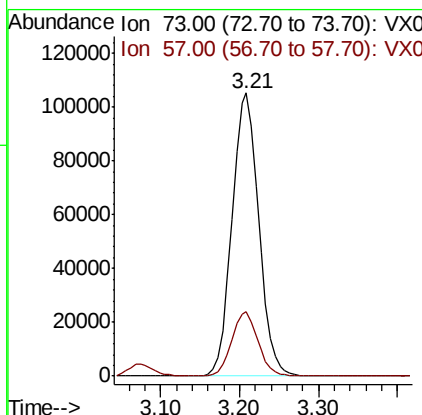
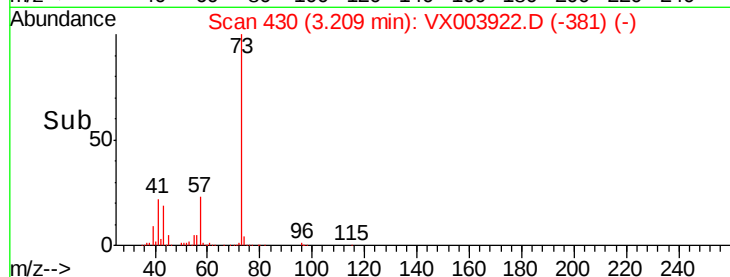
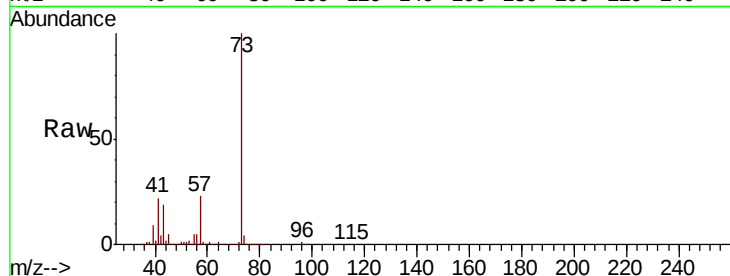
#19
Methyl tert-butyl Ether
Concen: 19.32 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.0	27.0

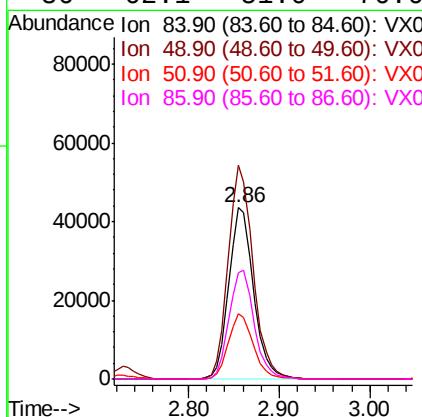
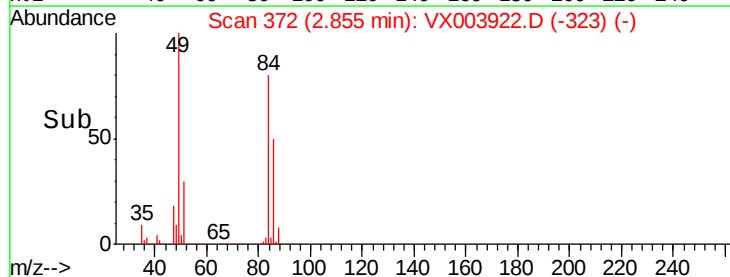
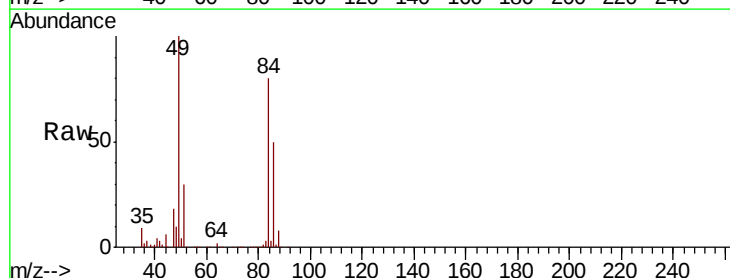
Manual Integrations
APPROVED

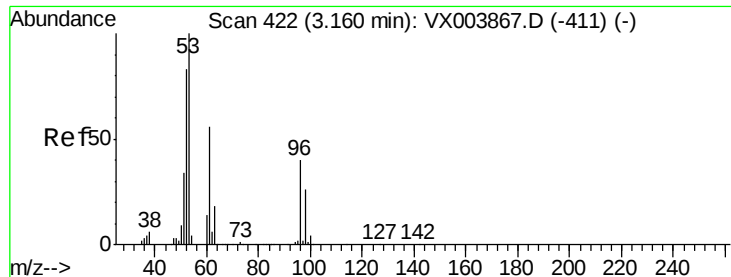
MMDadoda
8/9/2018 10:39:45 AM



#20
Methylene Chloride
Concen: 18.60 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.7	98.9	148.3
51	37.8	29.9	44.9
86	62.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.32 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD02

Tot Ion: 96 Resp: 75258

Ion Ratio Lower Upper

96 100

61 136.1 111.8 167.6

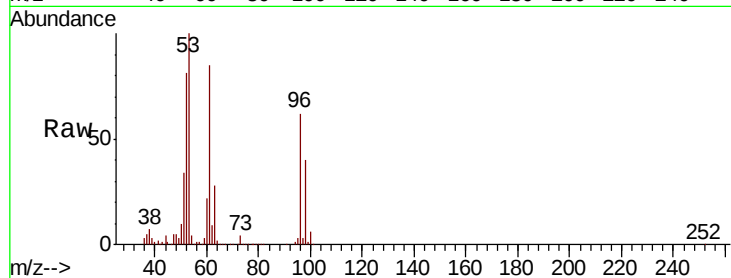
98 63.8 51.8 77.6

Manual Integrations

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MMDadoda

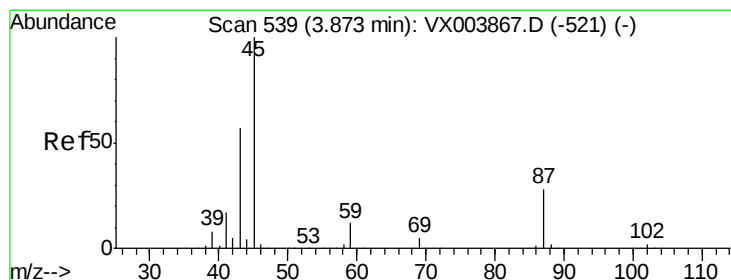
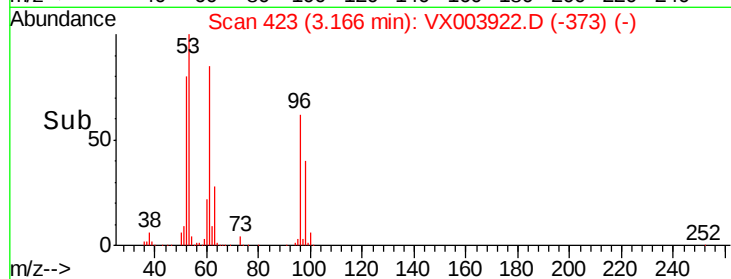
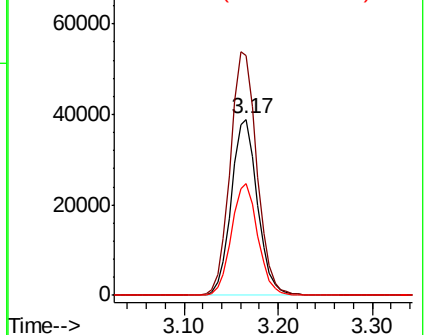
8/9/2018 10:39:45 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.09 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Tgt Ion: 45 Resp: 244822

Ion Ratio Lower Upper

45 100

43 56.4 45.3 67.9

87 28.5 22.7 34.1

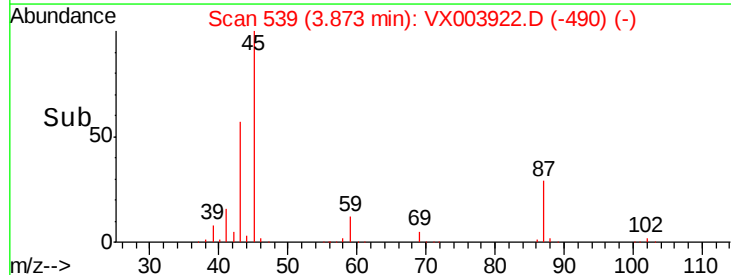
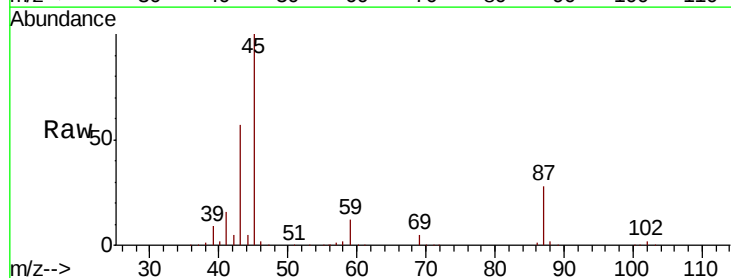
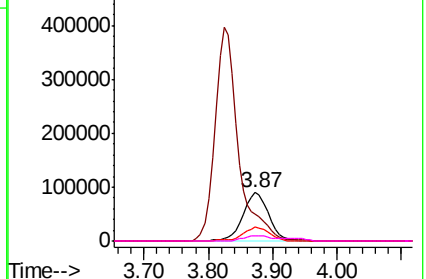
59 11.6 9.6 14.4

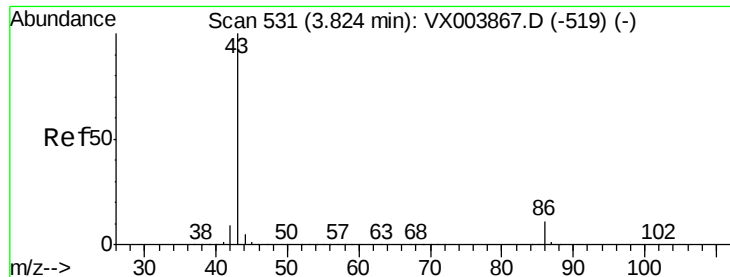
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 95.05 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampled :

VX0808WBSD02

Tot Ion: 43 Resp: 1014287

Ion Ratio Lower Upper

43 100

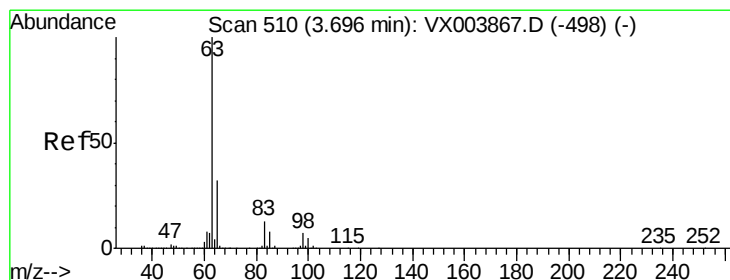
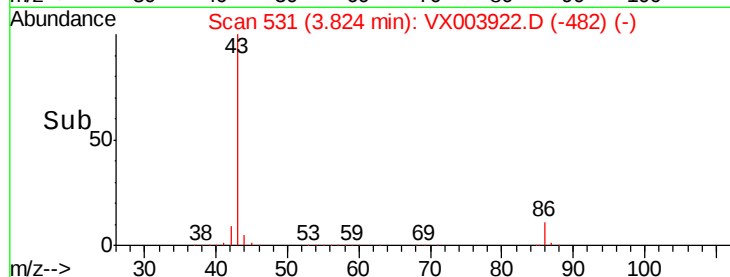
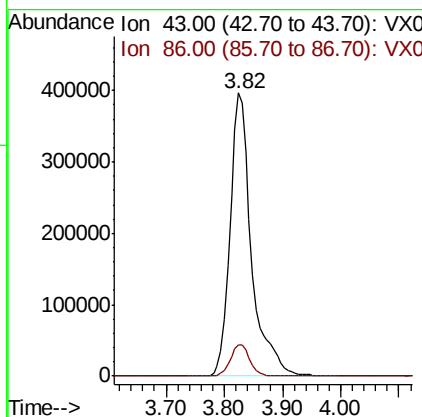
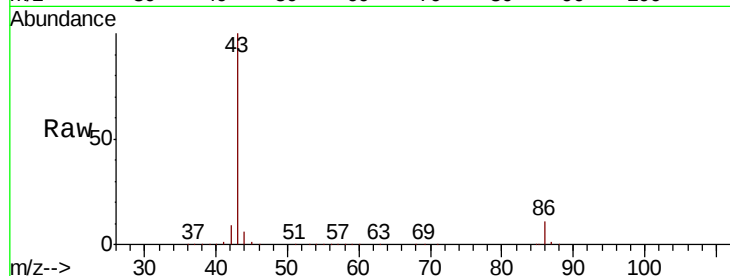
86 11.2 8.9 13.3

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 18.19 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

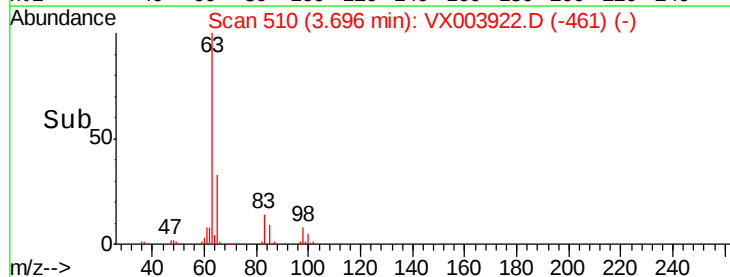
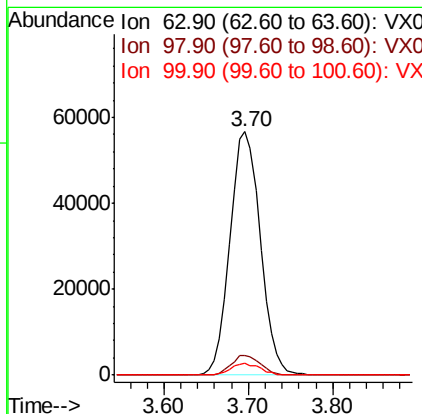
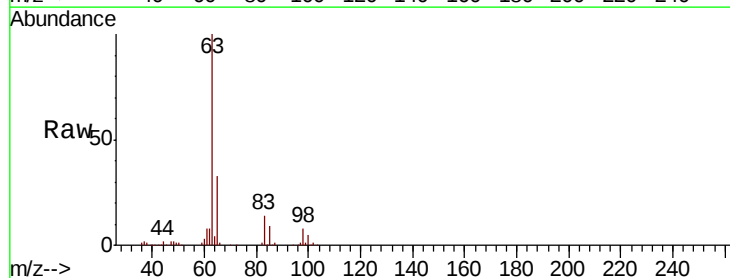
Tgt Ion: 63 Resp: 138548

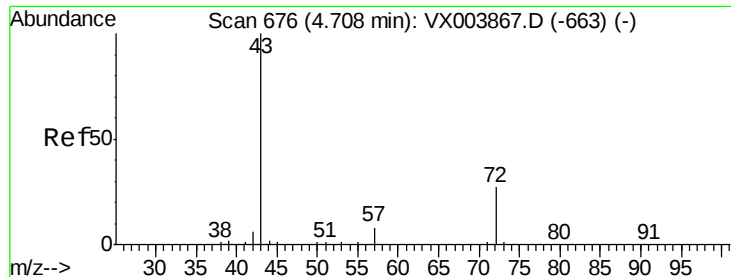
Ion Ratio Lower Upper

63 100

98 8.3 3.5 10.5

100 4.8 2.3 6.8





#25

2-Butanone

Concen: 95.46 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD02

Tot Ion: 43 Resp: 381677

Ion Ratio Lower Upper

43 100

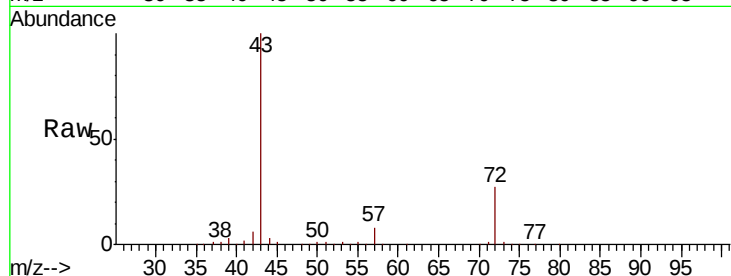
72 26.7 21.4 32.0

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:39:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

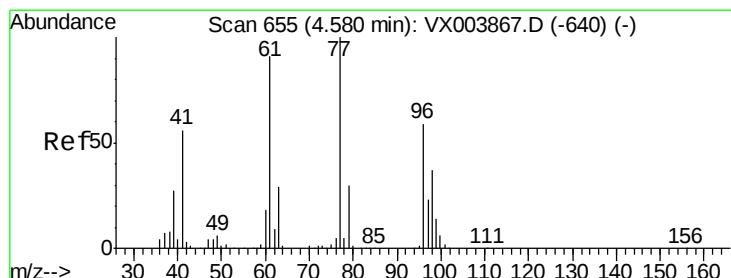
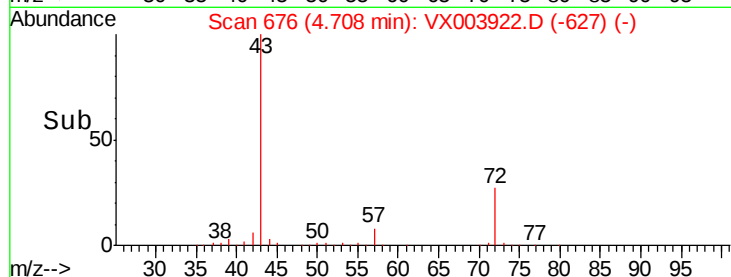
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.33 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003922.D

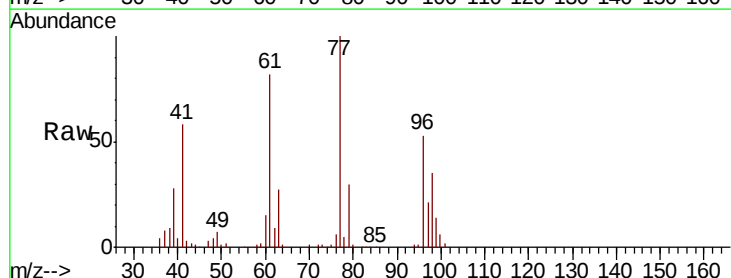
Acq: 08 Aug 2018 14:38

Tgt Ion: 77 Resp: 106220

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

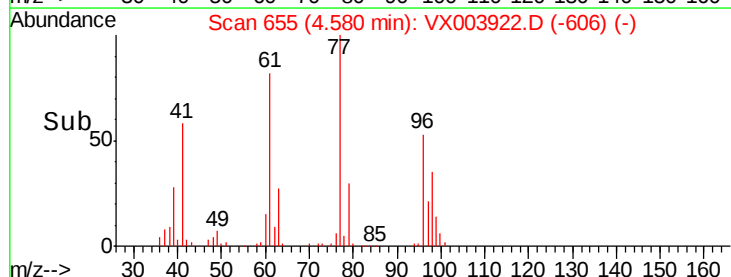
20000

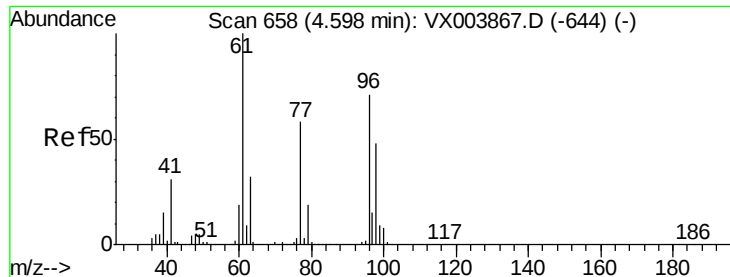
10000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.14 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

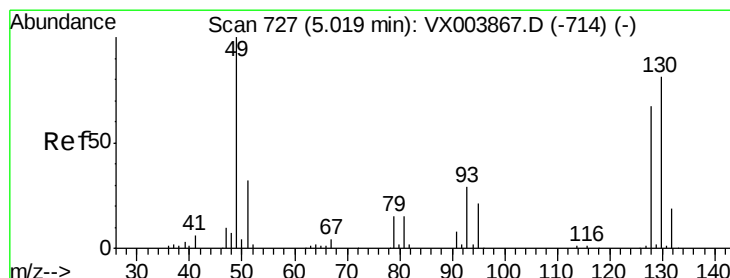
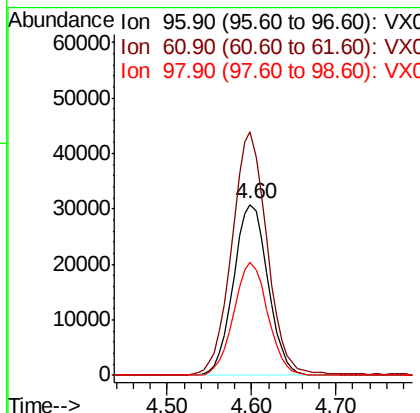
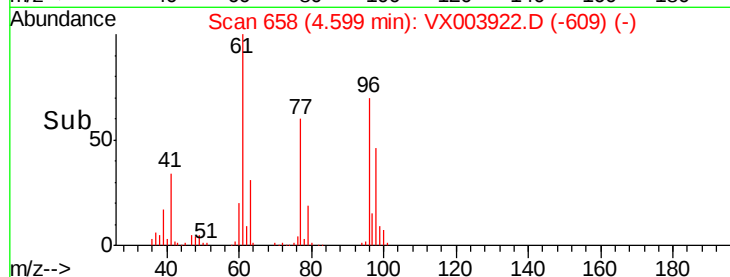
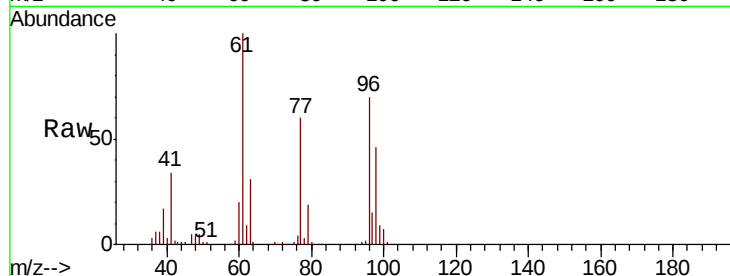
ClientSampleId :

VX0808WBSD02

Tot Ion:	96	Resp:	85343
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	293.0
98	65.1	0.0	131.8

Manual Integrations
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8/9/2018 10:39:45 AM



#28

Bromochloromethane

Concen: 20.11 ug/l

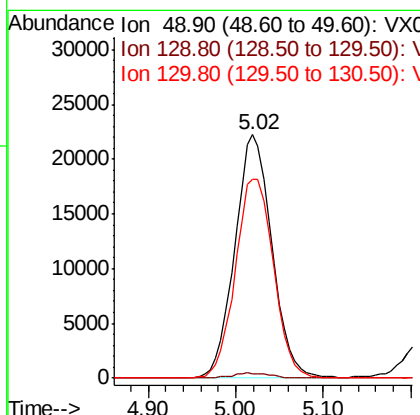
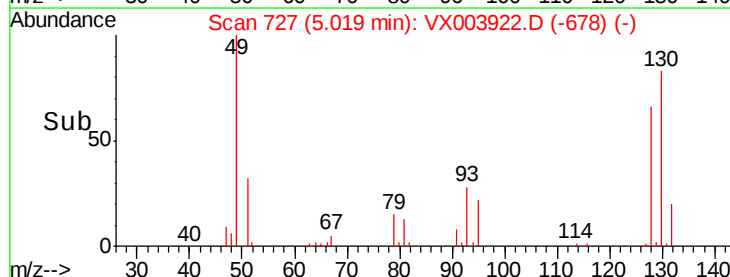
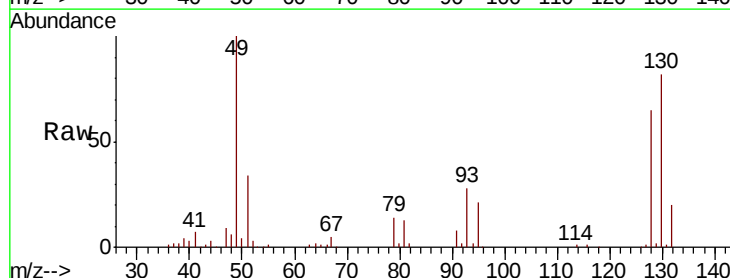
RT: 5.02 min Scan# 727

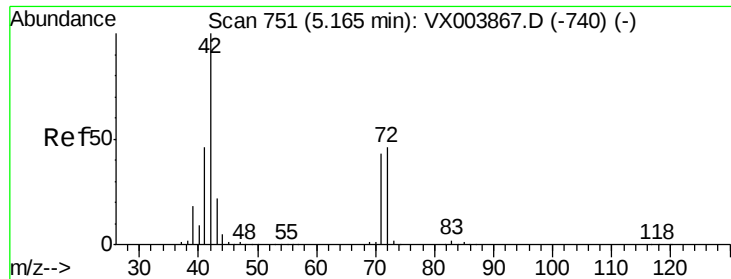
Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Tgt Ion:	49	Resp:	65548
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.5	66.5	99.7





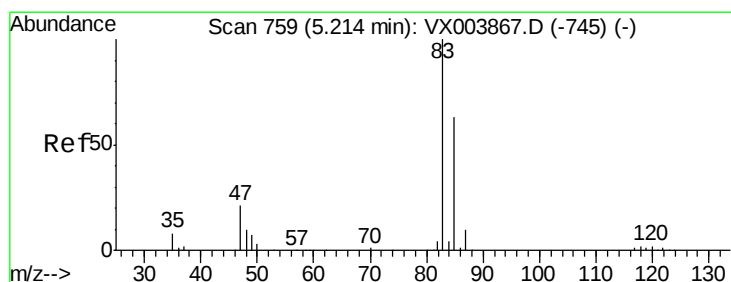
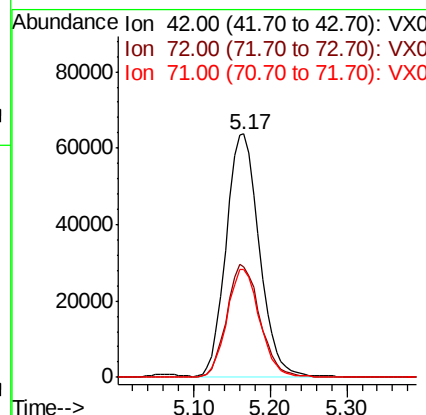
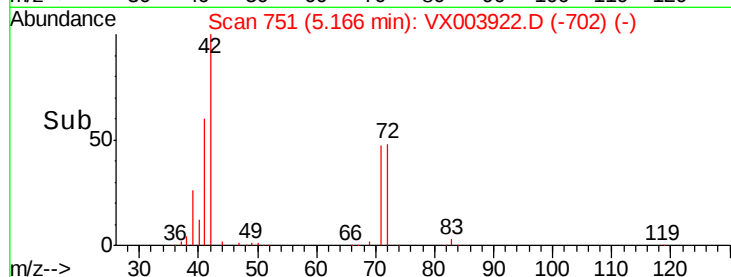
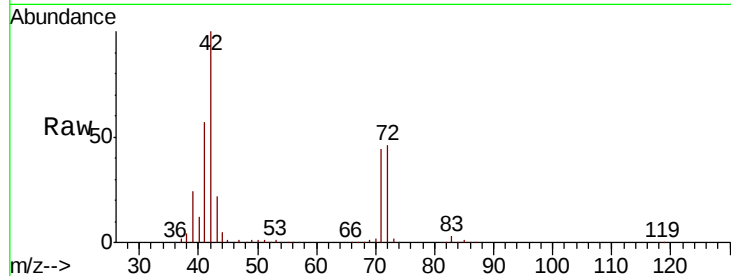
#29
Tetrahydrofuran
Concen: 92.72 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.7	56.5
71	44.1	35.0	52.6

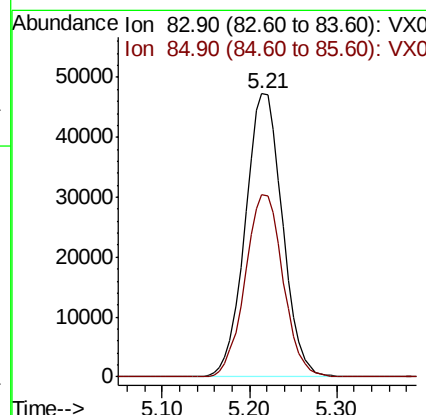
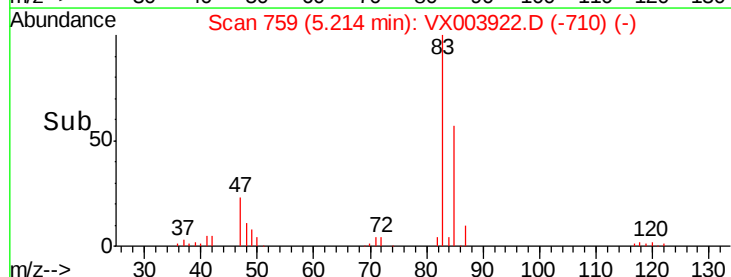
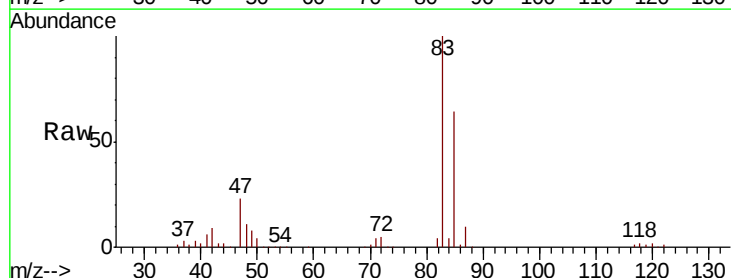
Manual Integrations
APPROVED

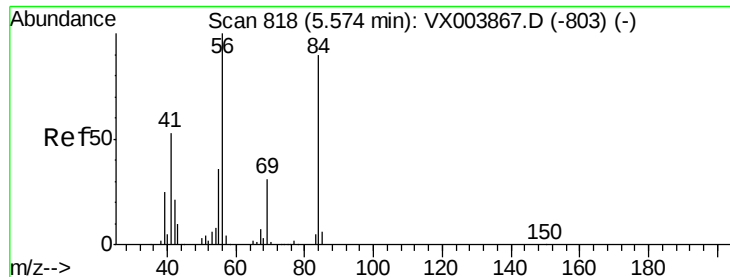
MMDadoda
8/9/2018 10:39:45 AM



#30
Chloroform
Concen: 19.52 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.7	76.1





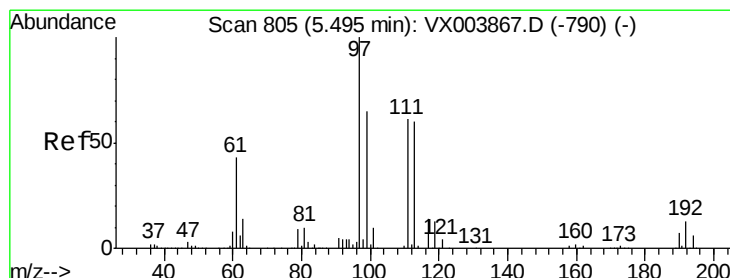
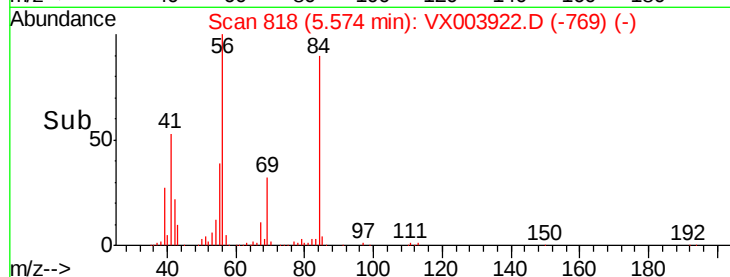
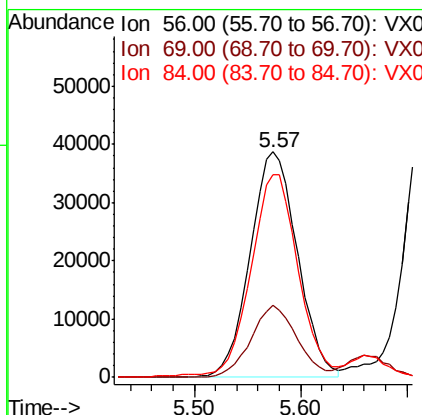
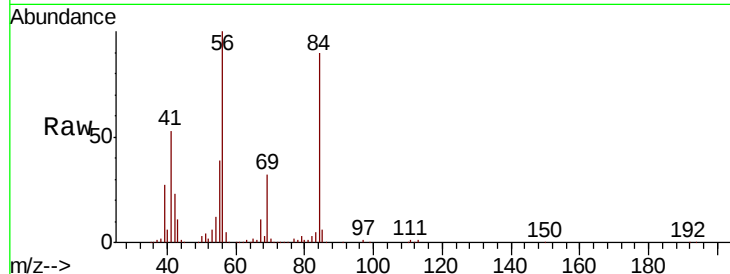
#31
Cyclohexane
Concen: 18.67 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.9	37.3
84	88.2	71.7	107.5

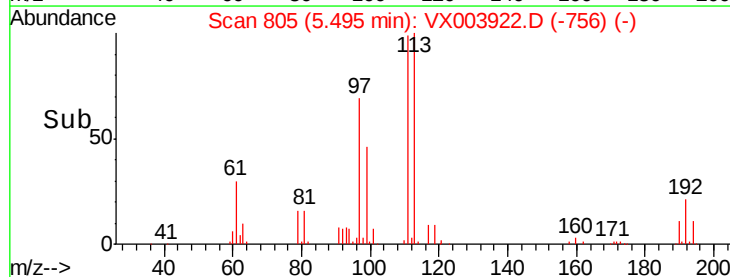
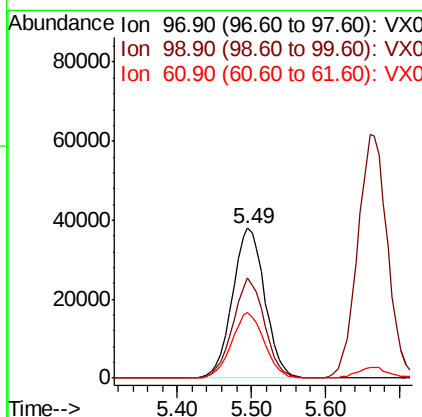
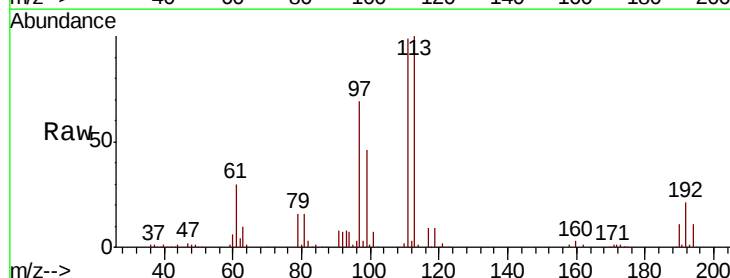
Manual Integrations
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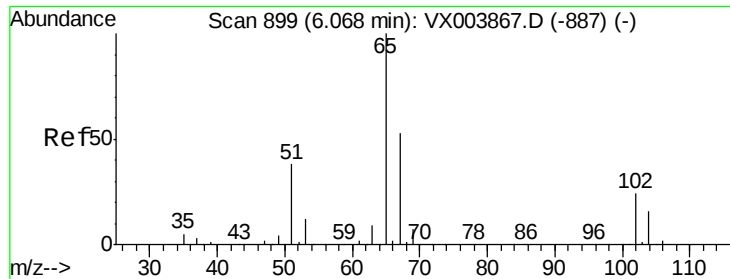
MMDadoda
8/9/2018 10:39:45 AM



#32
1,1,1-Trichloroethane
Concen: 19.23 ug/l
RT: 5.49 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.8
61	44.0	34.4	51.6





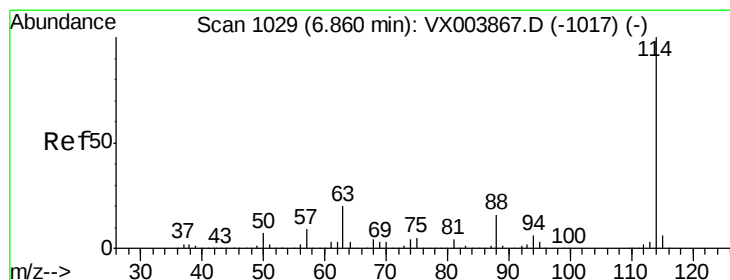
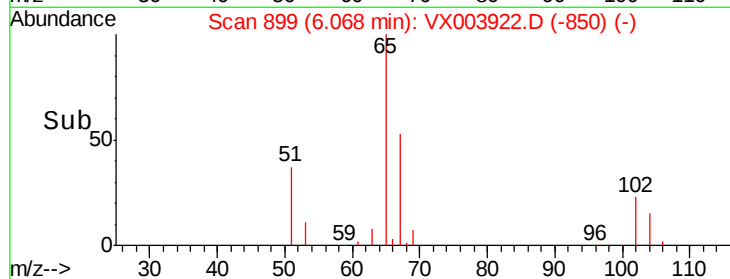
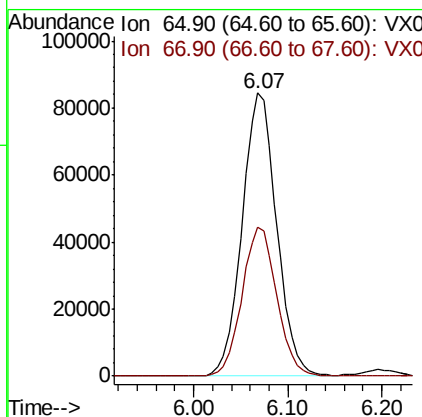
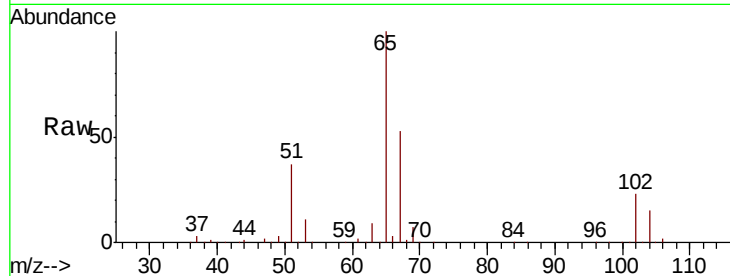
#33
 1,2-Dichloroethane-d4
 Concen: 48.52 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	216905		
67	52.8	0.0	105.8	

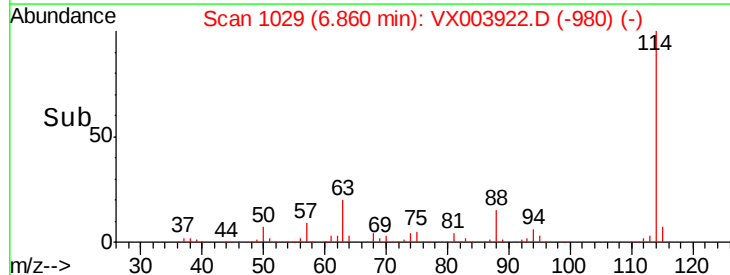
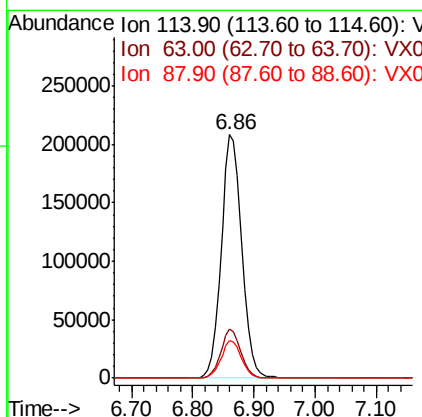
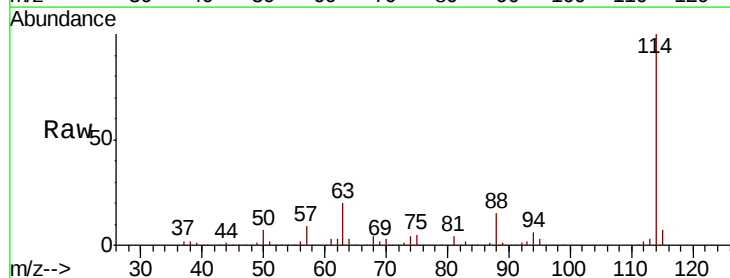
Manual Integrations
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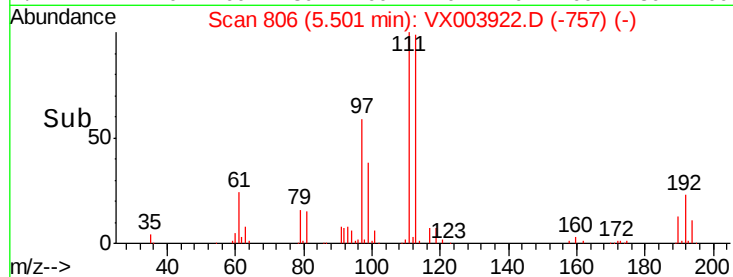
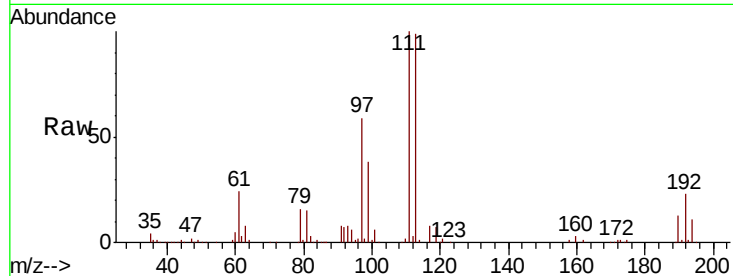
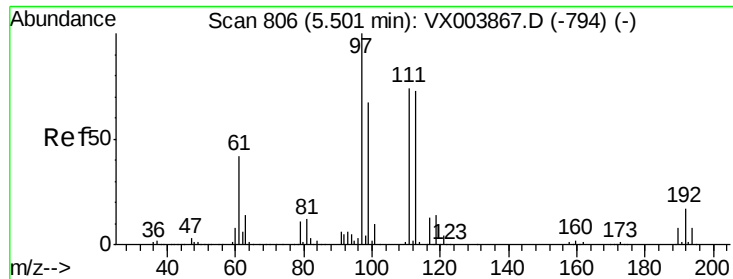
MMDadoda
 8/9/2018 10:39:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	489054		
63	20.2	0.0	39.0	
88	15.3	0.0	32.0	





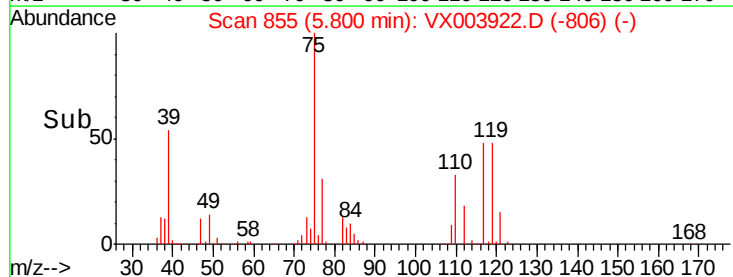
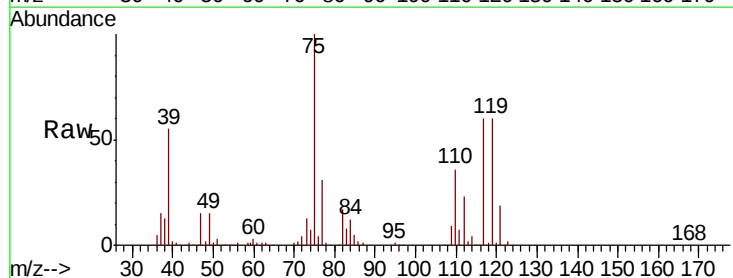
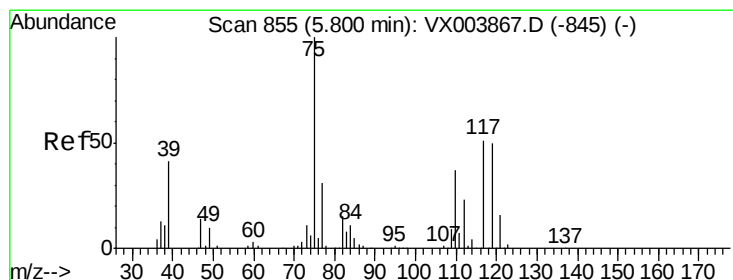
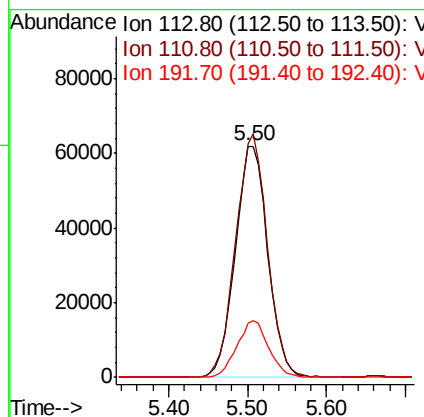
#35
Dibromofluoromethane
Concen: 47.94 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tot Ion	Ratio	Resp	Lower	Upper
113	100	177599		
111	103.0	82.0	123.0	
192	23.8	19.0	28.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD02

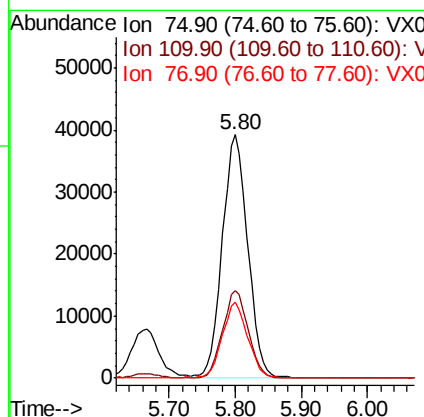
Manual Integrations
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8/9/2018 10:39:45 AM



#36
1,1-Dichloropropene
Concen: 19.16 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	104954		
110	36.0	18.2	54.6	
77	31.1	25.0	37.4	





#37

Ethyl Acetate

Concen: 18.78 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

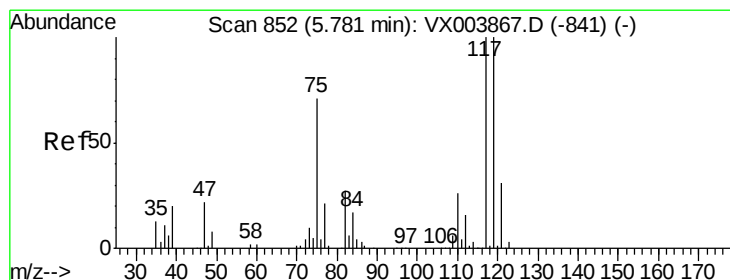
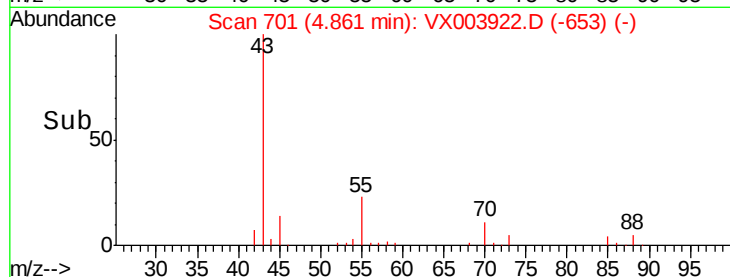
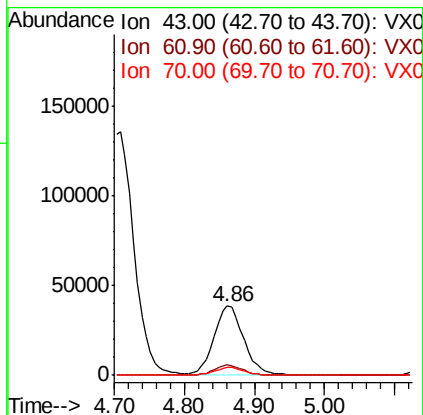
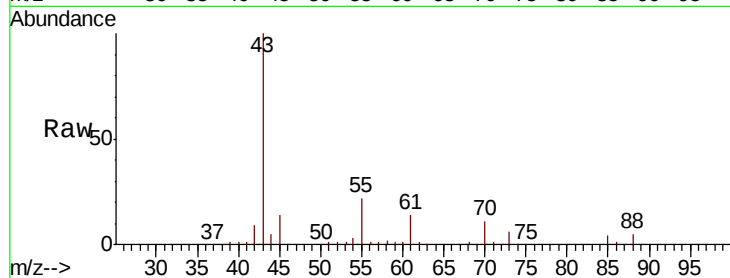
ClientSampled :

VX0808WBSD02

Tot Ion:	43	Resp:	113183
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.4	9.0	13.4

Manual Integrations
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8/9/2018 10:39:45 AM



#38

Carbon Tetrachloride

Concen: 19.21 ug/l

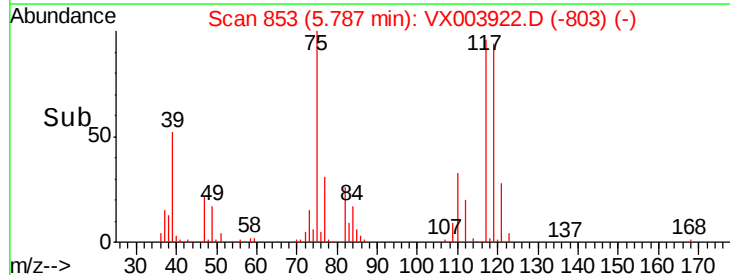
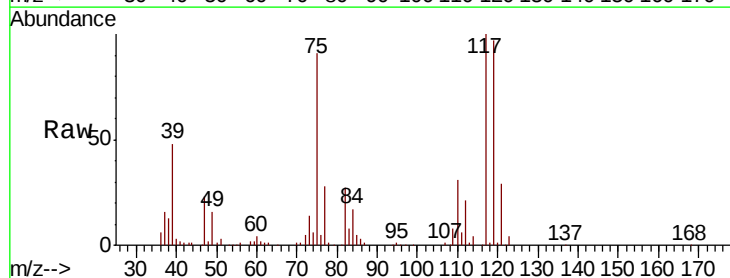
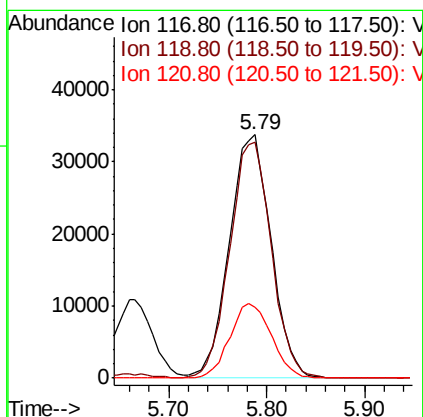
RT: 5.79 min Scan# 853

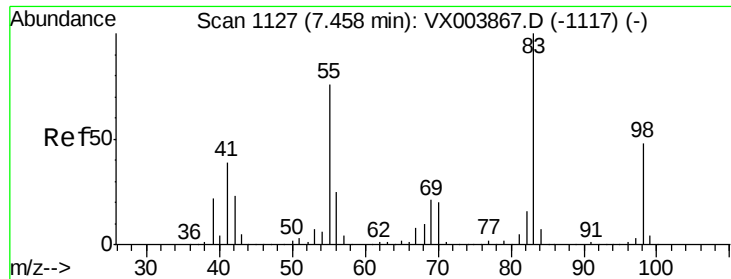
Delta R.T. 0.01 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Tgt Ion:	117	Resp:	100152
Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.5	119.3
121	29.2	25.0	37.4





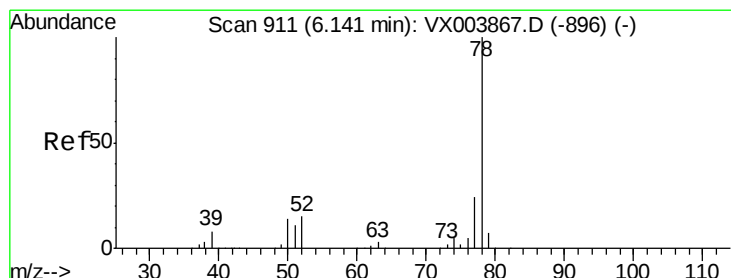
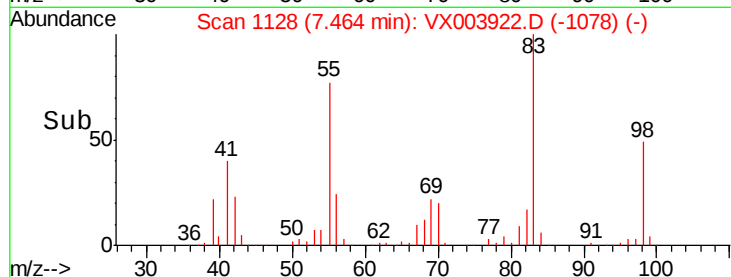
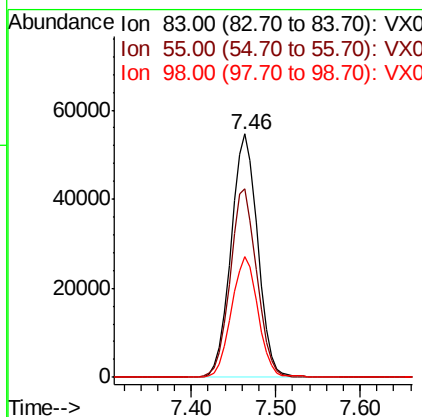
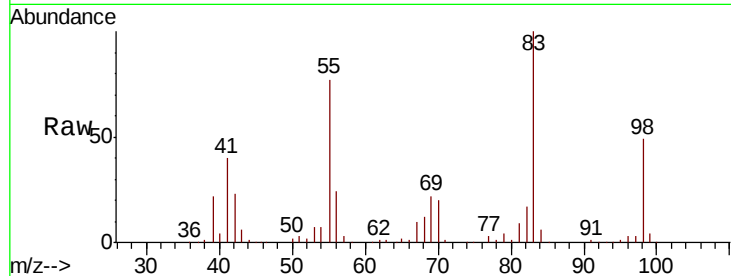
#39
Methvlcvclohexane
Concen: 18.10 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampled :
VX0808WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.3	61.0	91.6	
98	49.4	38.6	57.8	

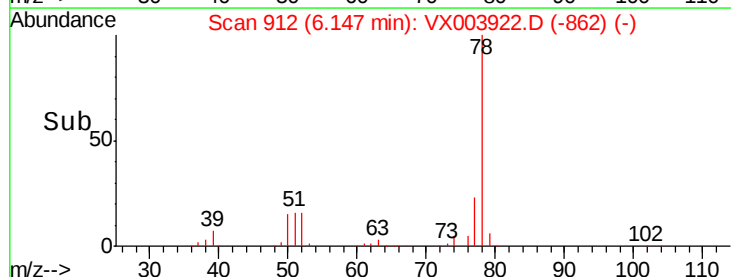
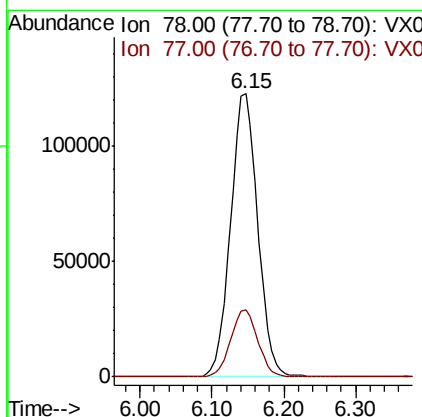
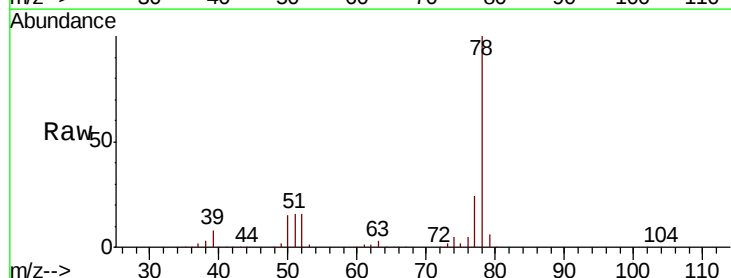
Manual Integrations
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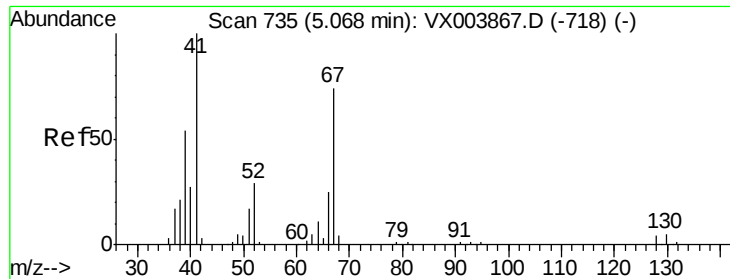
MMDadoda
8/9/2018 10:39:45 AM



#40
Benzene
Concen: 19.57 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.0	28.4	





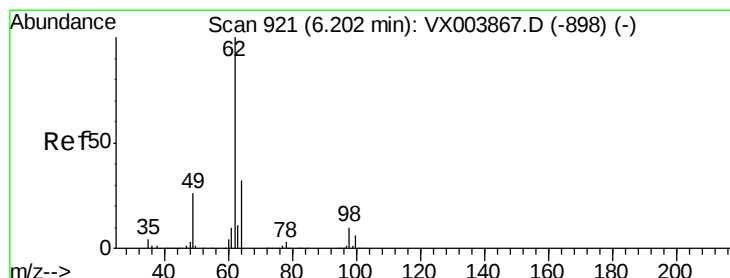
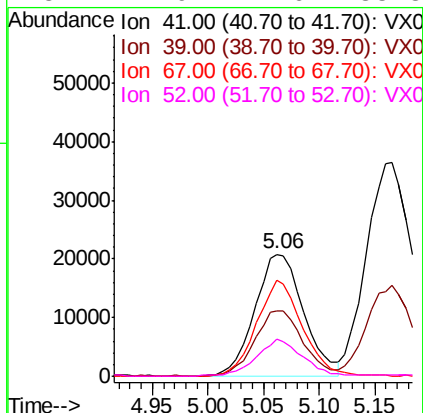
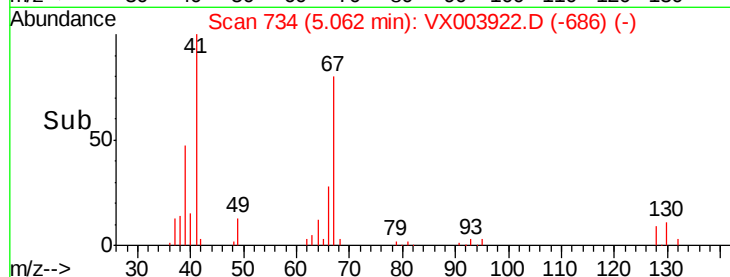
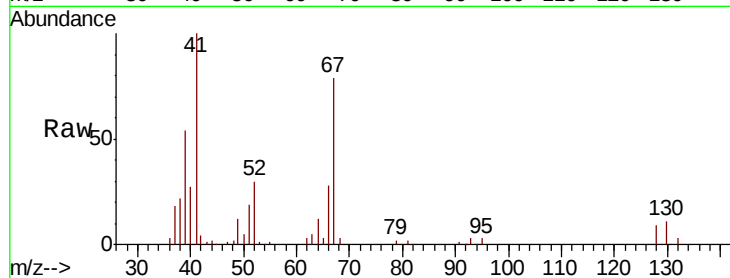
#41
Methacrylonitrile
Concen: 19.19 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	42.7	64.1	
67	73.8	58.9	88.3	
52	27.9	22.6	33.8	

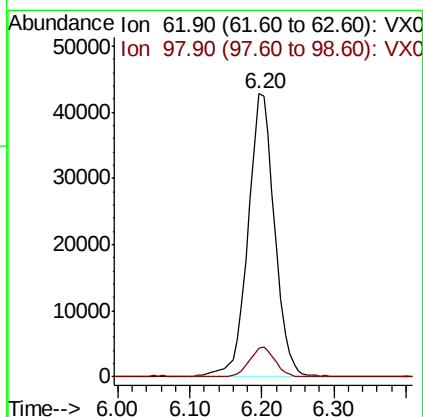
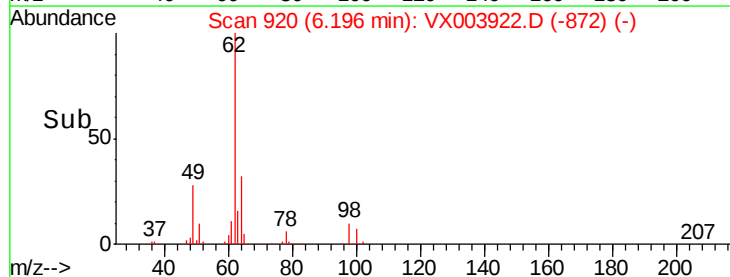
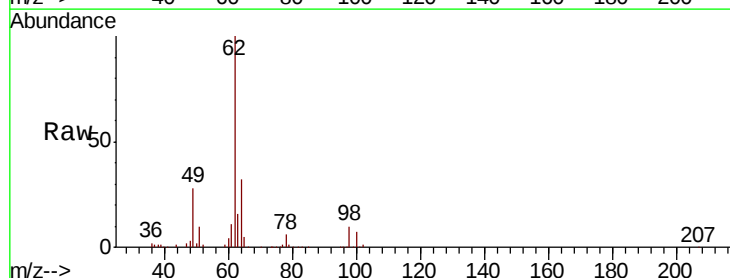
Manual Integrations
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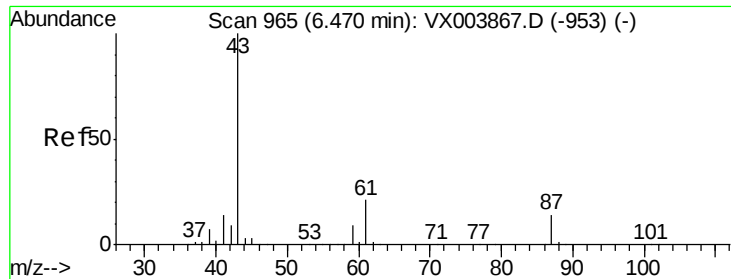
MMDadoda
8/9/2018 10:39:45 AM



#42
1,2-Dichloroethane
Concen: 19.68 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.4	





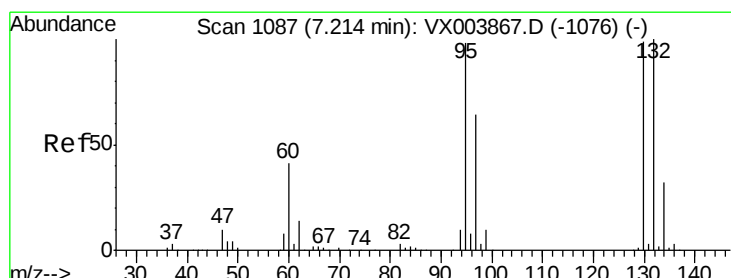
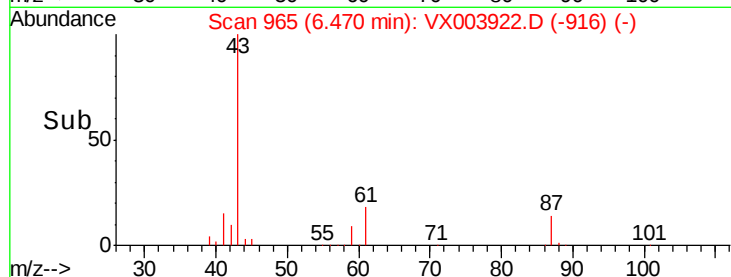
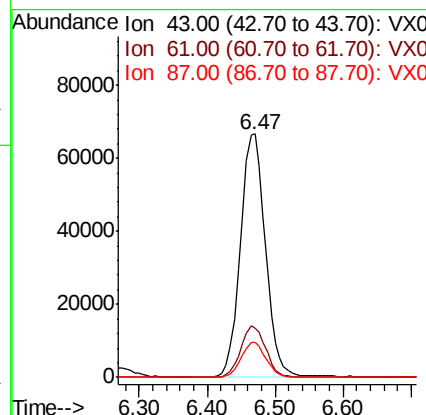
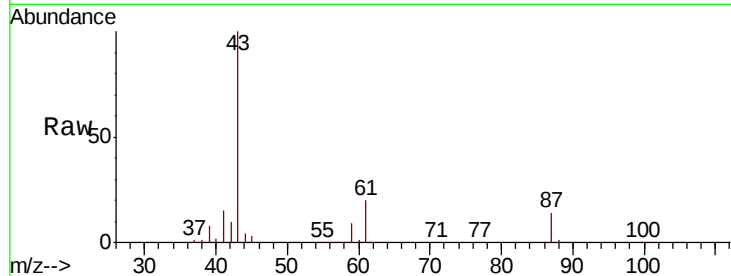
#43
Isopropyl Acetate
Concen: 18.80 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.9	25.3
87	14.2	11.3	16.9

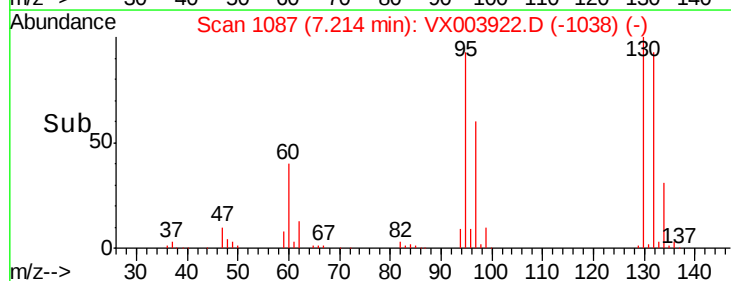
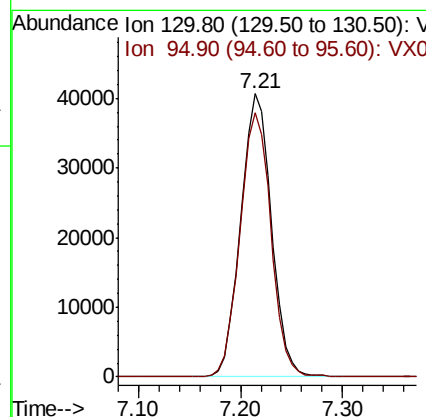
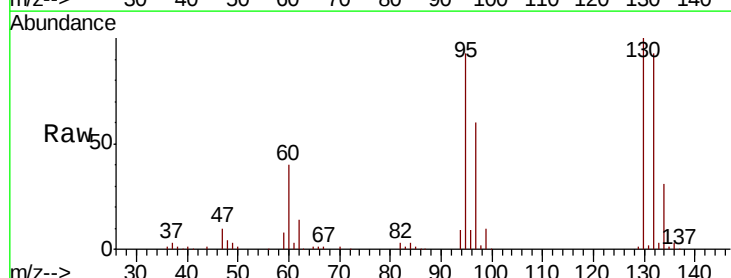
Manual Integrations
APPROVED

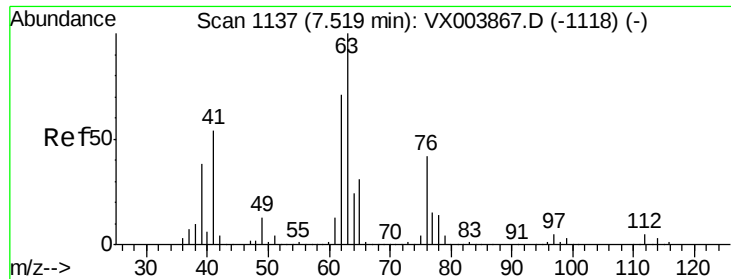
MMDadoda
8/9/2018 10:39:45 AM



#44
Trichloroethene
Concen: 18.92 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	199.4





#45

1,2-Dichloropropane

Concen: 19.25 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampled :

VX0808WBSD02

Tot Ion: 63 Resp: 81749

Ion Ratio Lower Upper

63 100

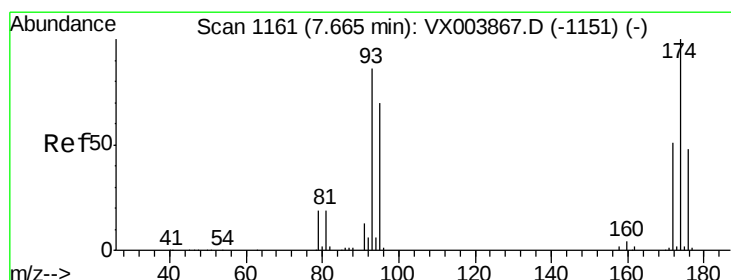
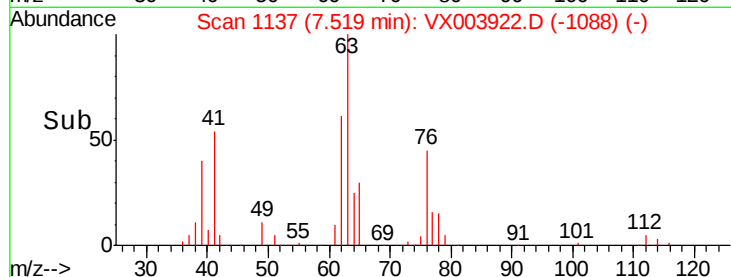
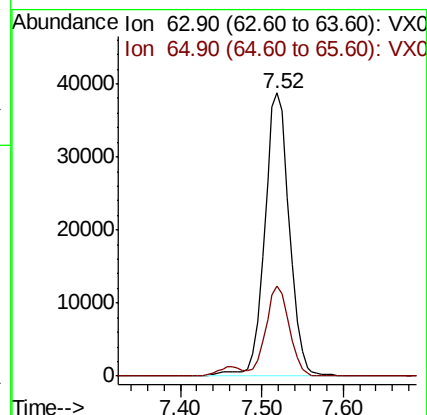
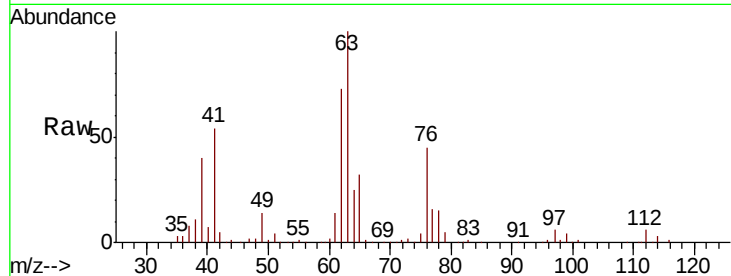
65 31.8 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 19.07 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

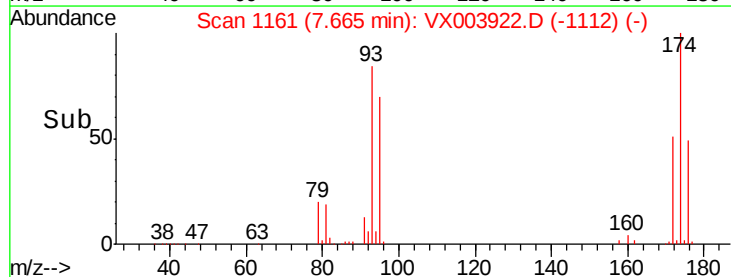
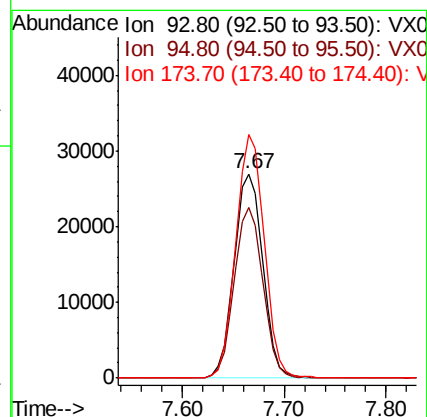
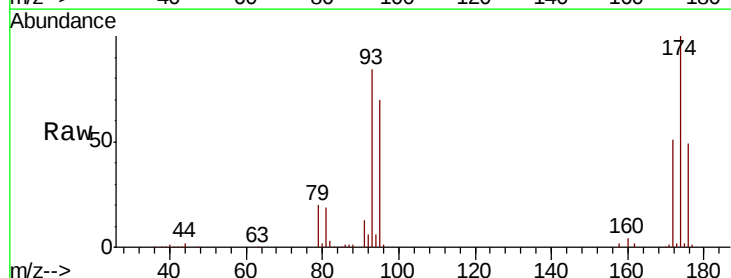
Tgt Ion: 93 Resp: 52590

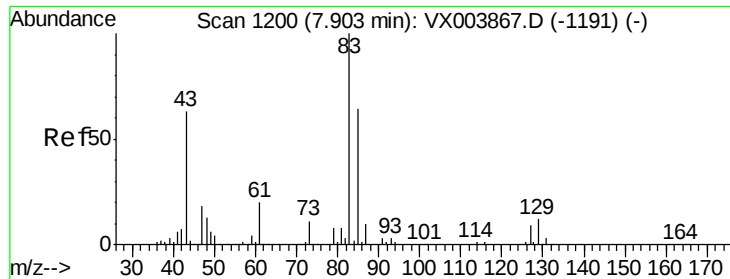
Ion Ratio Lower Upper

93 100

95 83.7 66.4 99.6

174 117.8 94.3 141.5





#47

Bromodichloromethane

Concen: 19.19 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

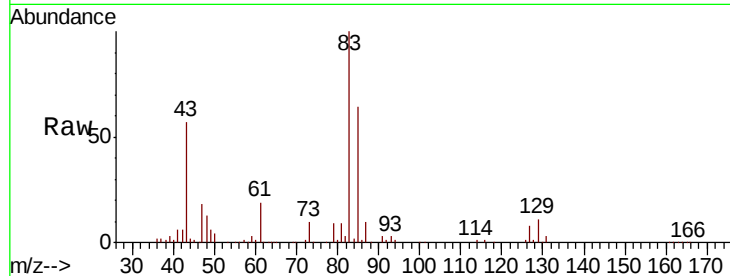
ClientSampleId :

VX0808WBSD02

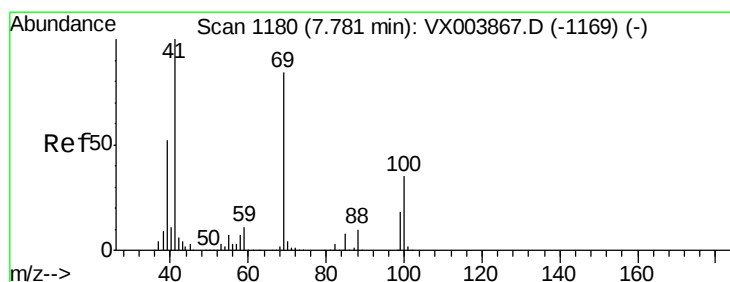
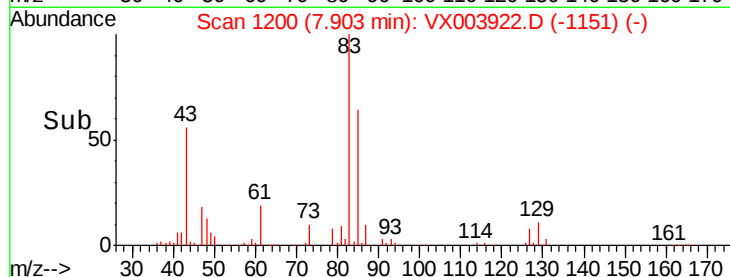
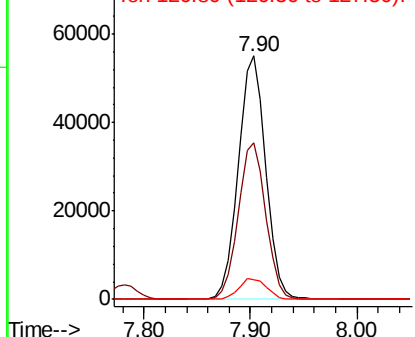
Tot Ion:	83	Resp:	99665
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.2	76.8
127	8.3	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.87 ug/l

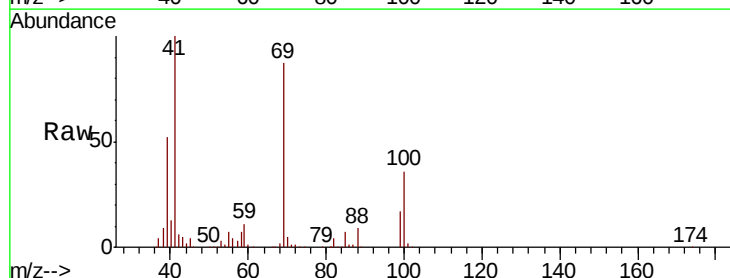
RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

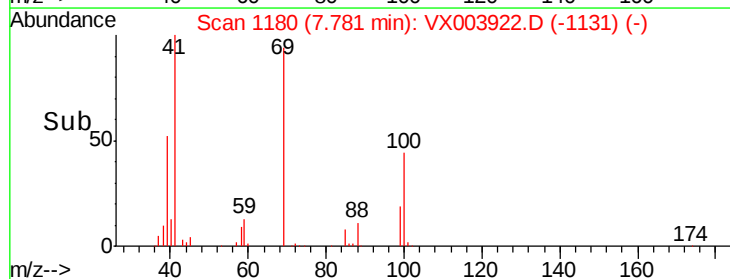
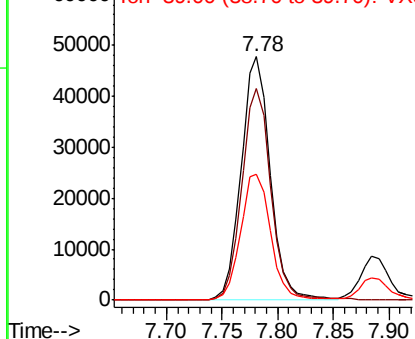
Lab File: VX003922.D

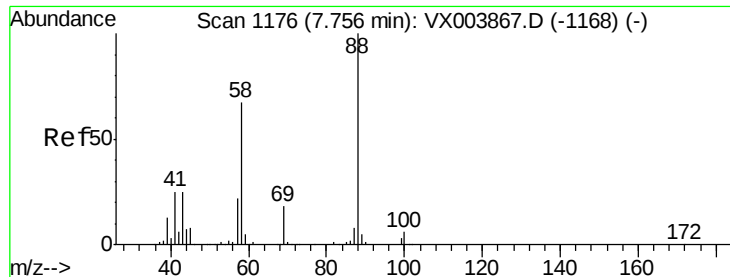
Acq: 08 Aug 2018 14:38

Tgt Ion:	41	Resp:	86993
Ion	Ratio	Lower	Upper
41	100		
69	86.7	68.8	103.2
39	53.4	42.3	63.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





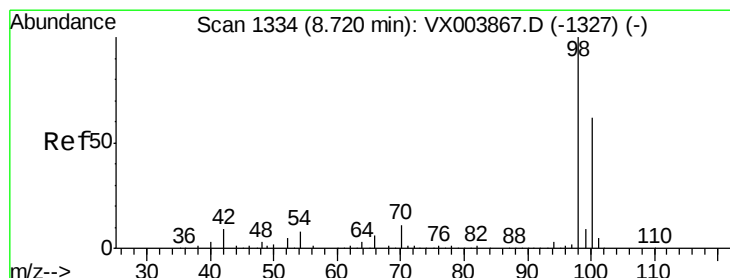
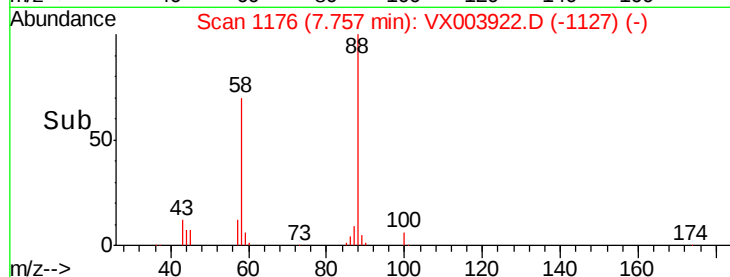
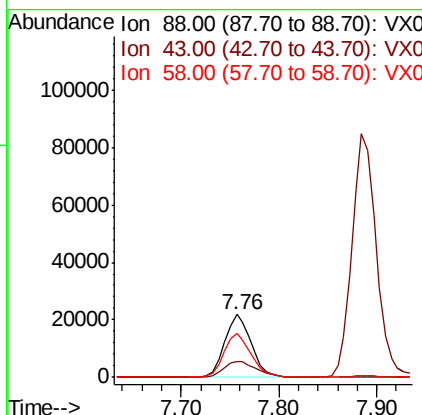
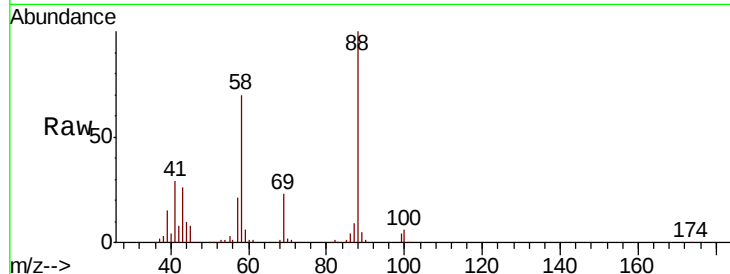
#49
1,4-Dioxane
Concen: 379.23 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	23.8	35.8
58	71.4	55.4	83.0

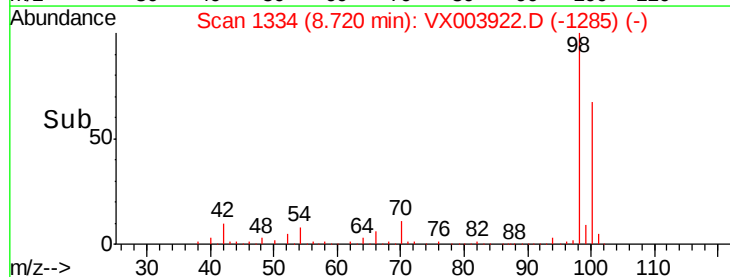
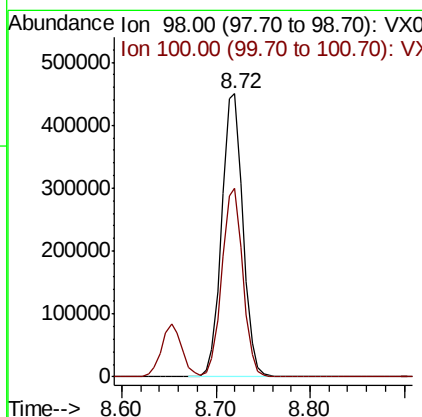
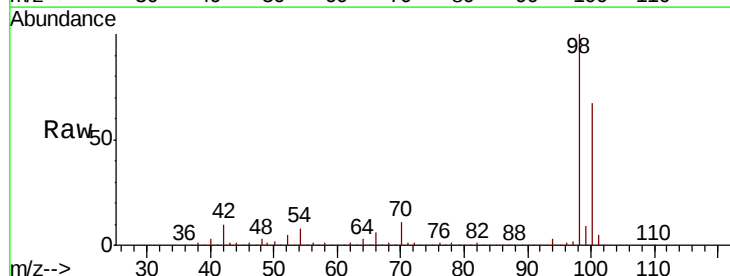
Manual Integrations
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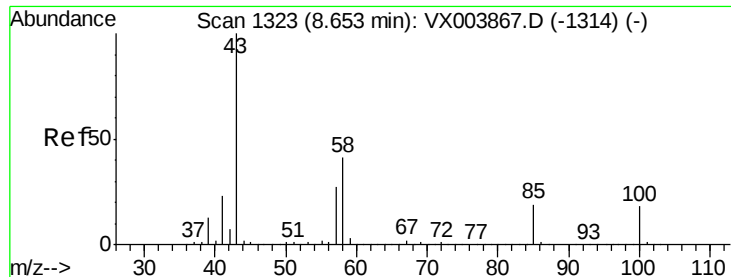
MMDadoda
8/9/2018 10:39:45 AM



#50
Toluene-d8
Concen: 48.44 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 97.07 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampled :

VX0808WBSD02

Tot Ion: 43 Resp: 729574

Ion Ratio Lower Upper

43 100

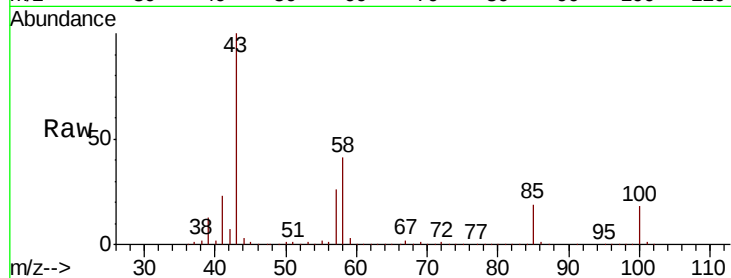
58 41.3 33.0 49.6

Manual Integrations

APPROVED

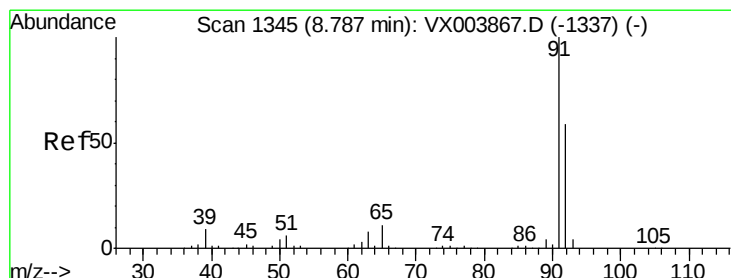
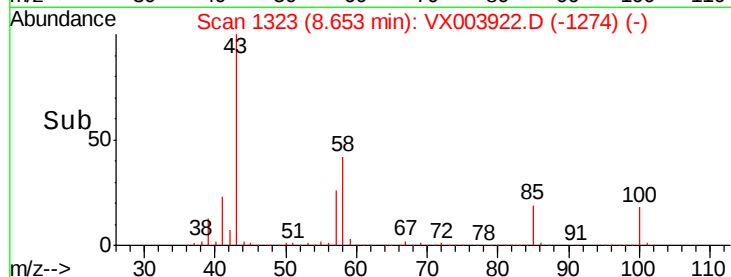
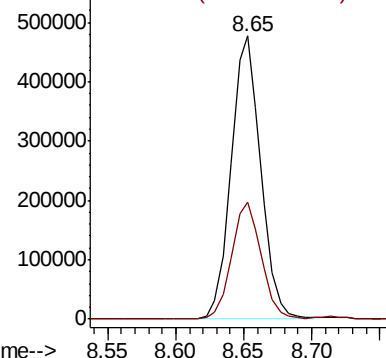
MMDadoda

8/9/2018 10:39:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.92 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003922.D

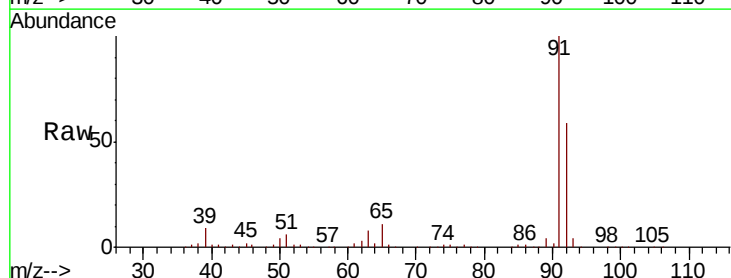
Acq: 08 Aug 2018 14:38

Tgt Ion: 92 Resp: 207014

Ion Ratio Lower Upper

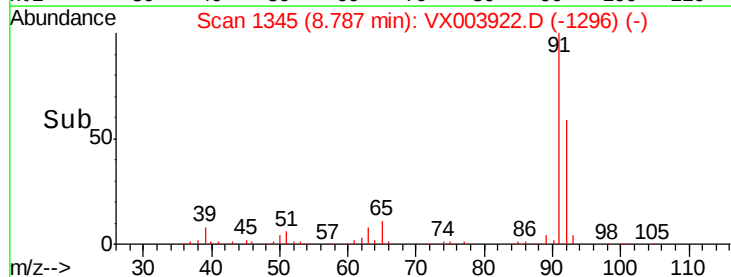
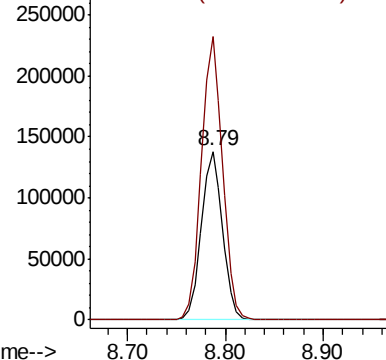
92 100

91 168.0 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





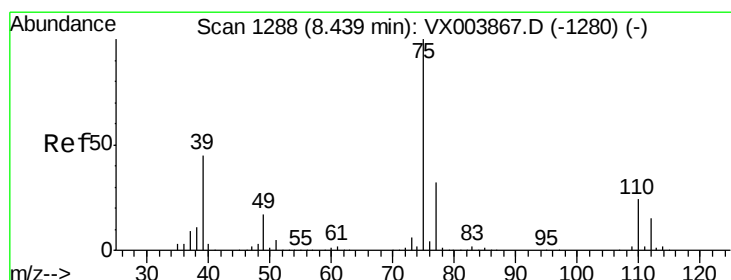
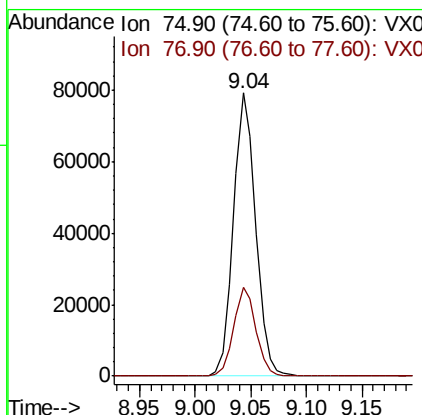
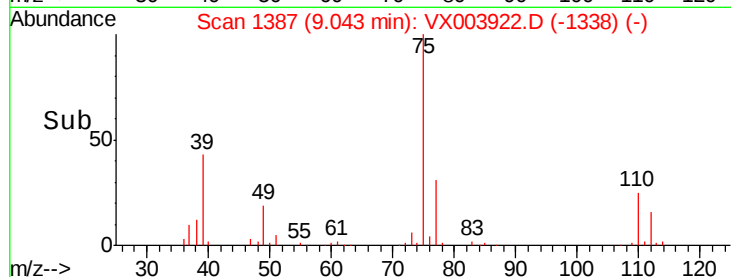
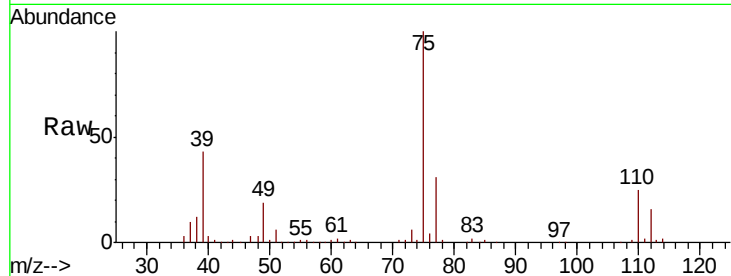
#53
 t-1,3-Dichloropropene
 Concen: 18.70 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7

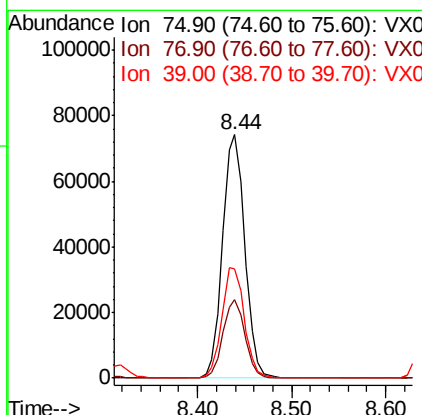
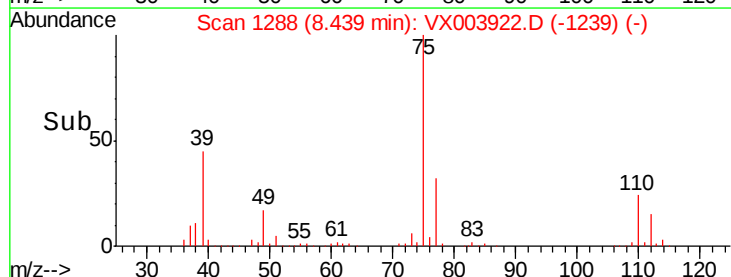
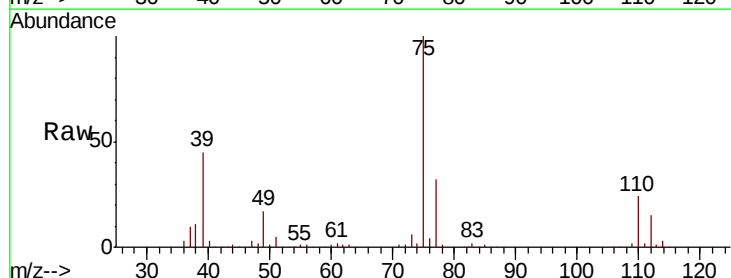
Manual Integrations
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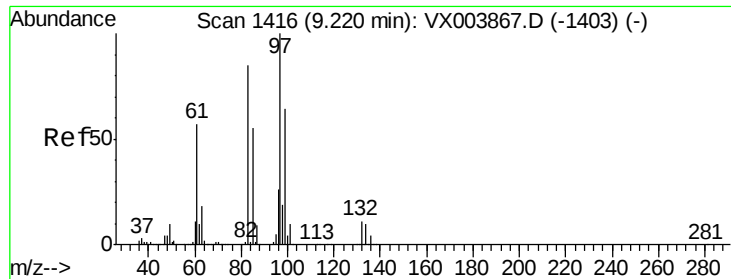
MMDadoda
 8/9/2018 10:39:45 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.19 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.3	37.9
39	44.7	36.2	54.2





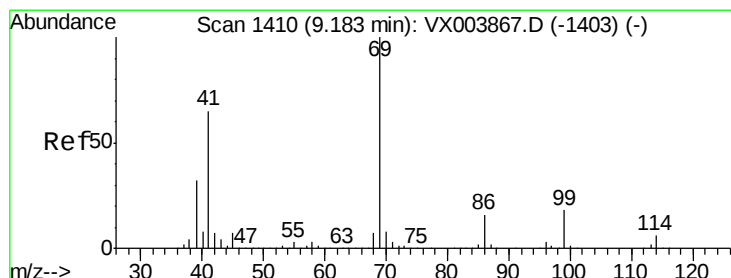
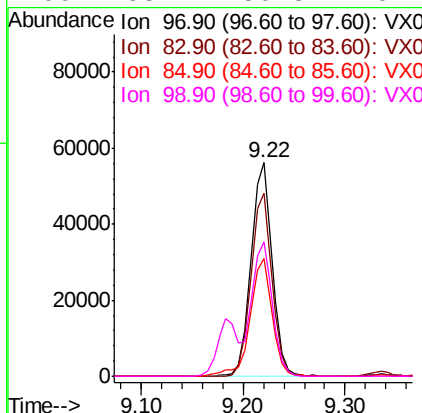
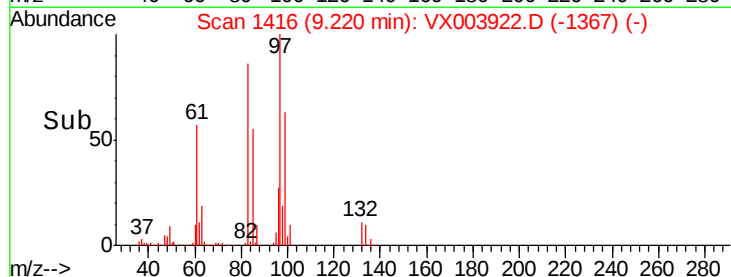
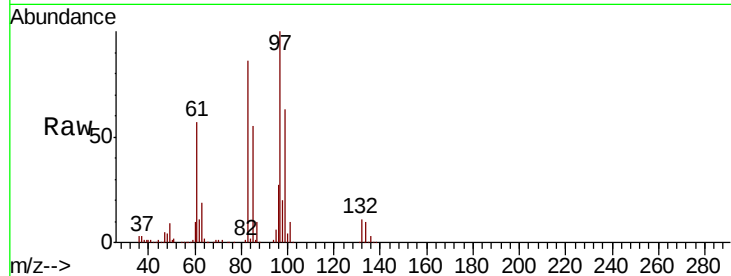
#55
 1,1,2-Trichloroethane
 Concen: 19.33 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD02

Tot Ion:	97	Resp:	82106
Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.8	101.6
85	55.0	44.2	66.2
99	63.2	50.8	76.2

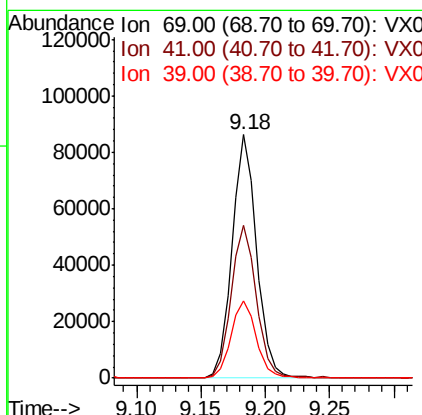
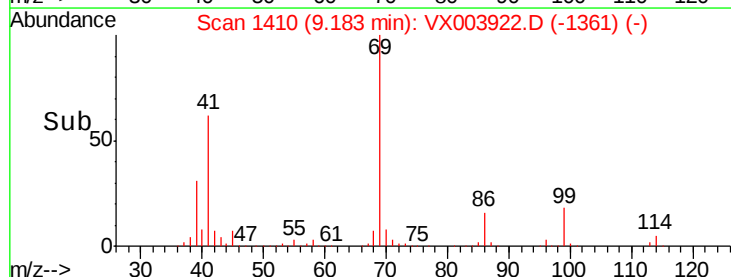
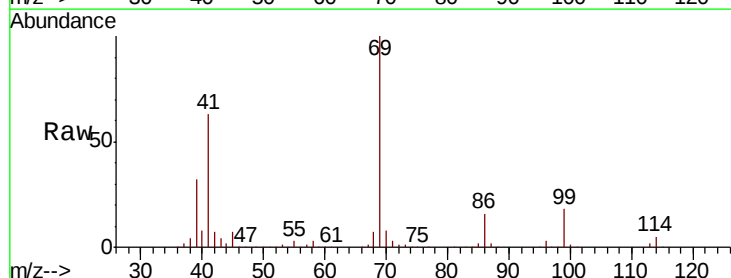
Manual Integrations
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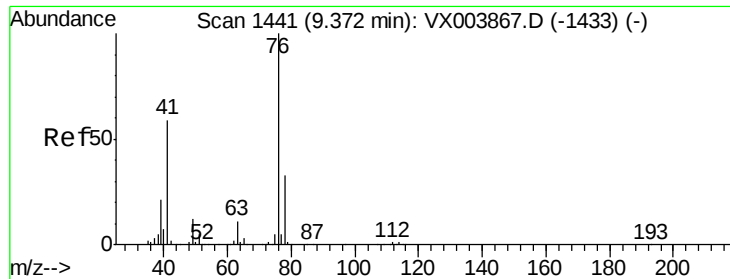
MMDadoda
 8/9/2018 10:39:45 AM



#56
 Ethyl methacrylate
 Concen: 18.69 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Tgt Ion:	69	Resp:	115179
Ion	Ratio	Lower	Upper
69	100		
41	64.0	50.6	76.0
39	32.8	25.8	38.6





#57

1,3-Dichloropropane

Concen: 19.67 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD02

Tot Ion: 76 Resp: 139802

Ion Ratio Lower Upper

76 100

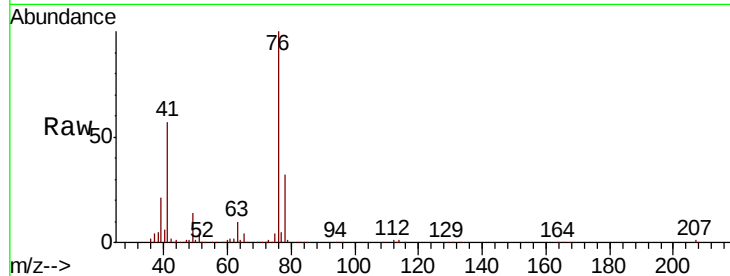
78 32.4 25.9 38.9

Manual Integrations

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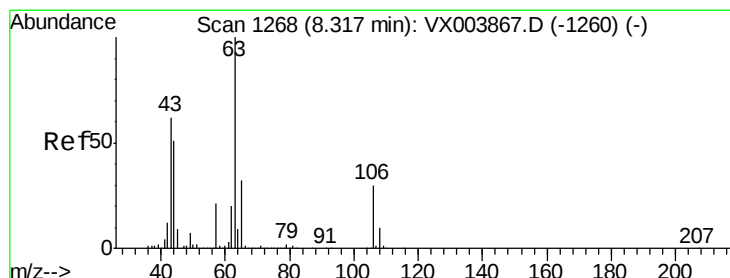
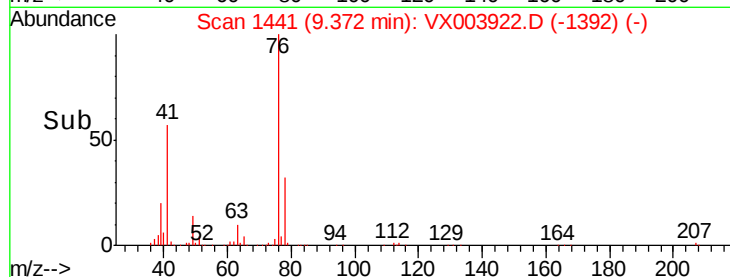
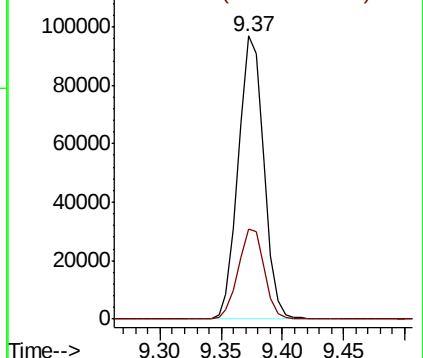
MMDadoda

8/9/2018 10:39:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 101.11 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003922.D

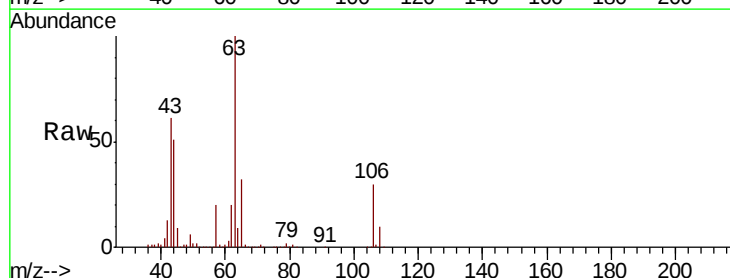
Acq: 08 Aug 2018 14:38

Tgt Ion: 63 Resp: 306345

Ion Ratio Lower Upper

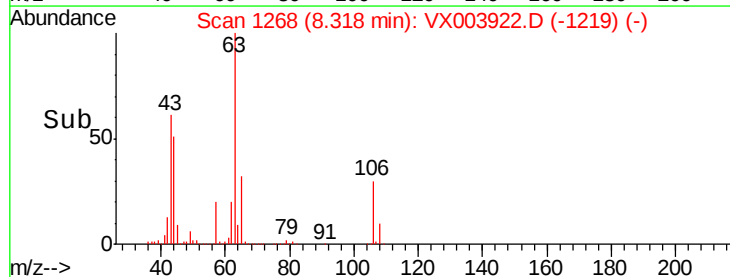
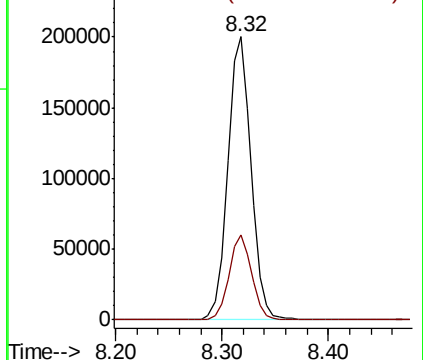
63 100

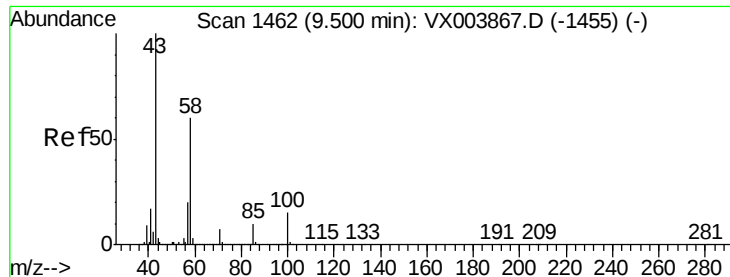
106 29.2 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





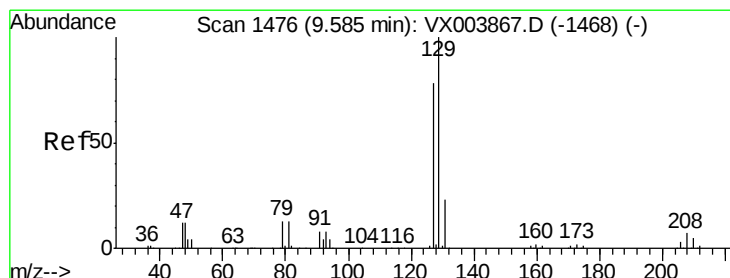
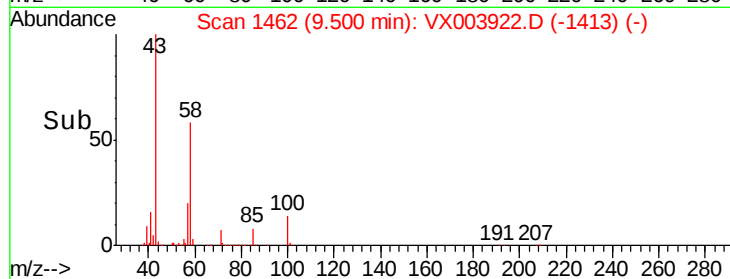
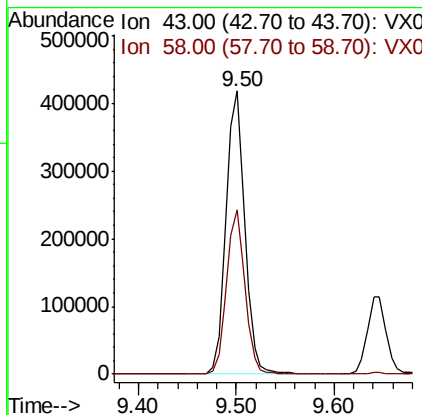
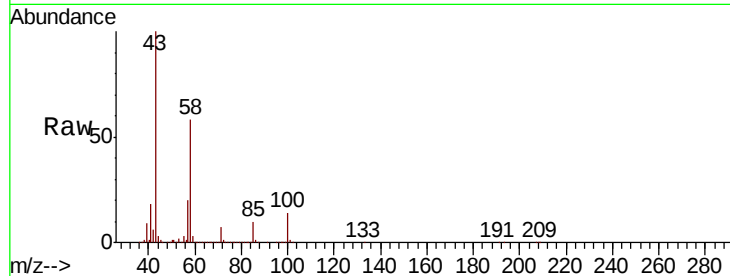
#59
2-Hexanone
Concen: 99.46 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD02

Tot Ion: 43 Resp: 558764
Ion Ratio Lower Upper
43 100
58 57.1 29.0 87.0

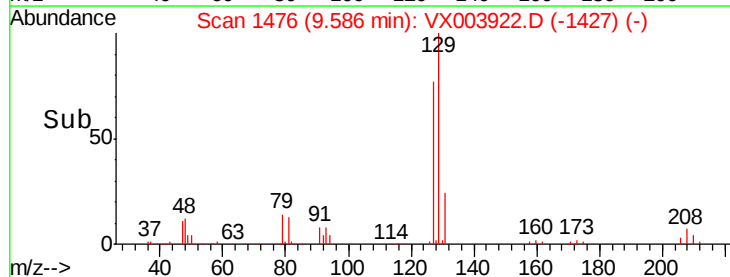
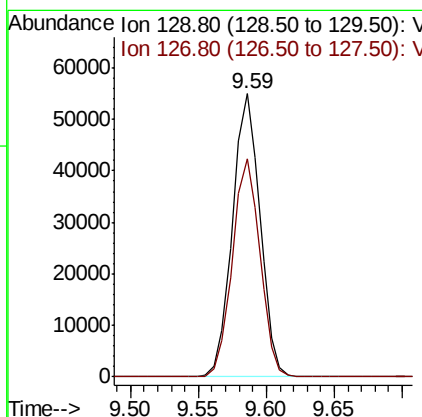
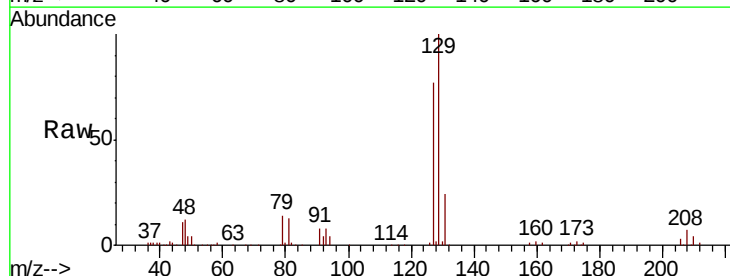
Manual Integrations
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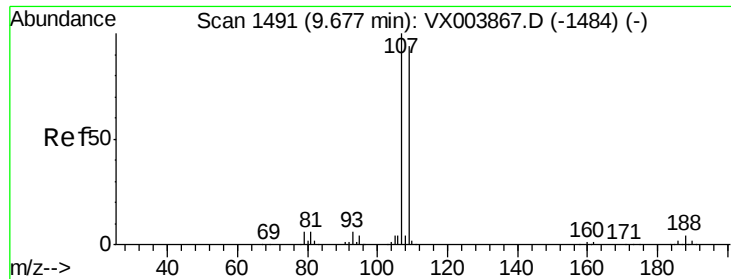
MMDadoda
8/9/2018 10:39:45 AM



#60
Dibromochloromethane
Concen: 19.61 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion: 129 Resp: 77633
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3





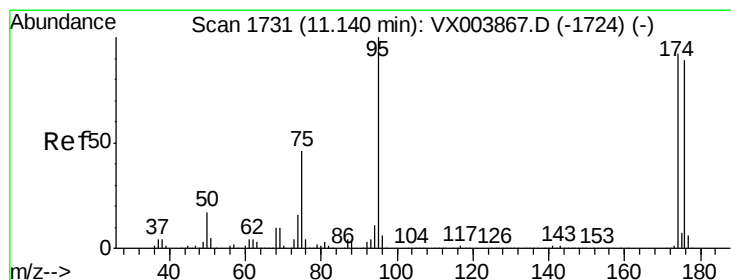
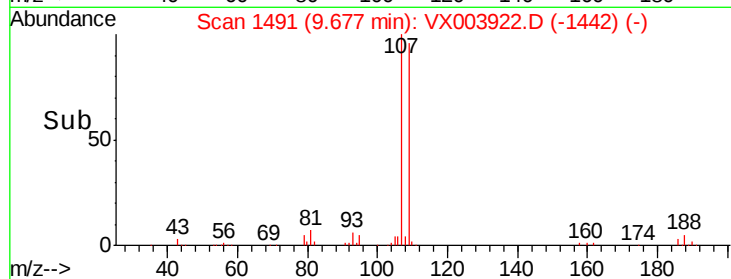
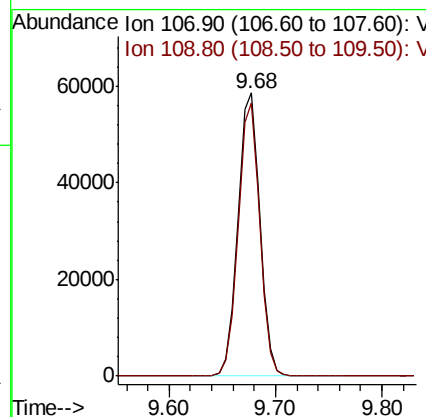
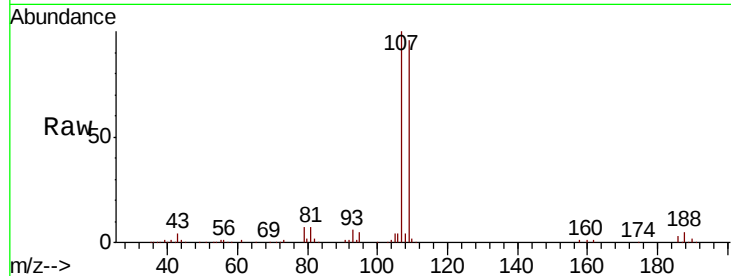
#61
 1,2-Dibromoethane
 Concen: 20.01 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8

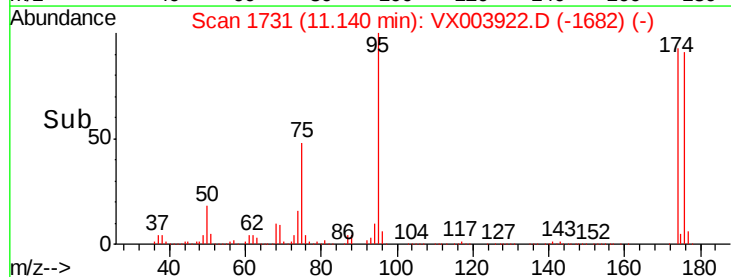
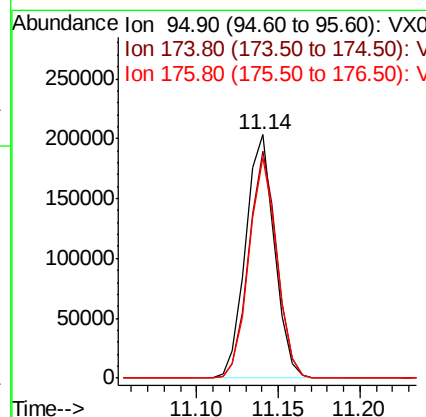
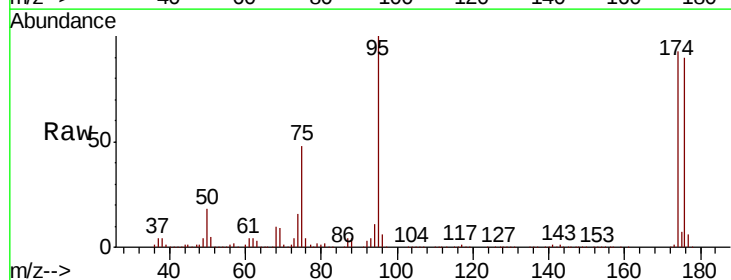
Manual Integrations
 APPROVED

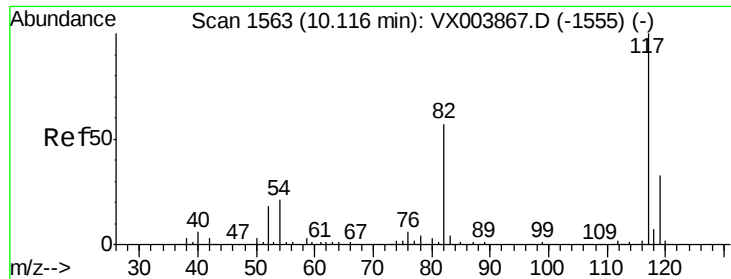
MMDadoda
 8/9/2018 10:39:45 AM



#62
 4-Bromofluorobenzene
 Concen: 54.04 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	182.8
176	88.0	0.0	179.0





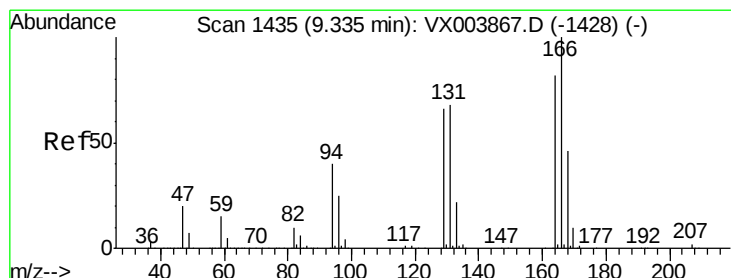
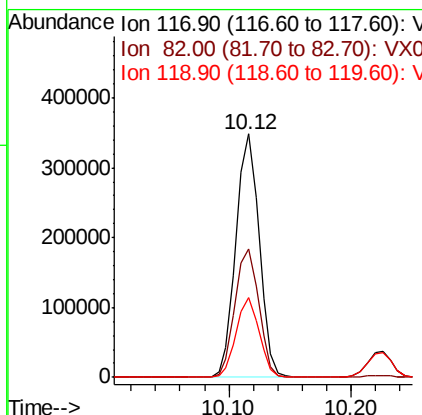
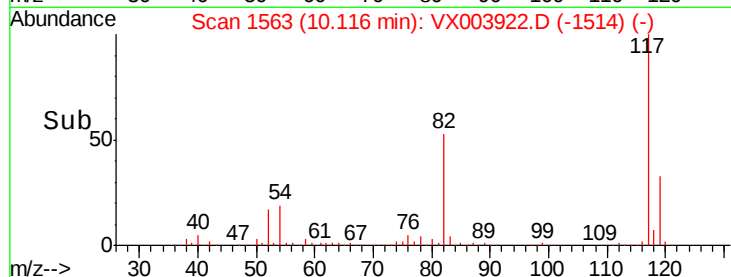
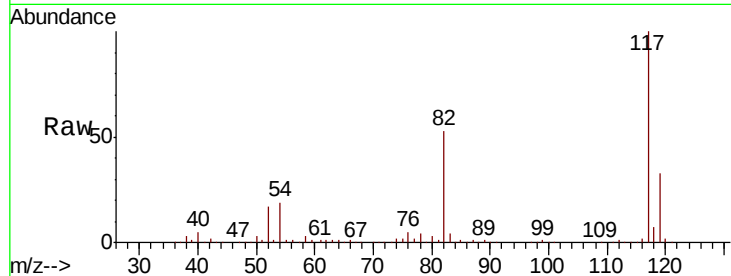
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.4	68.0
119	32.9	26.6	40.0

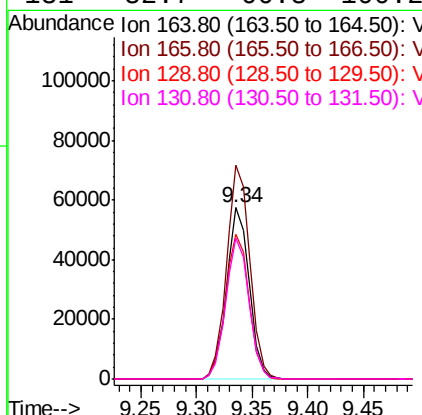
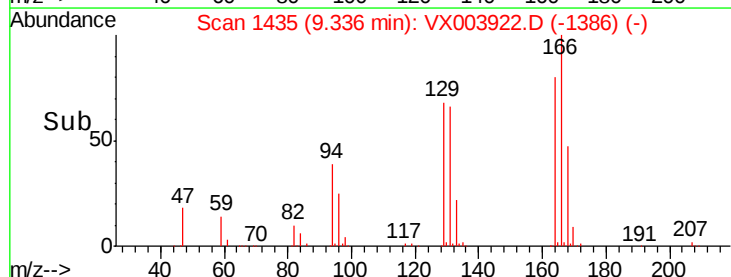
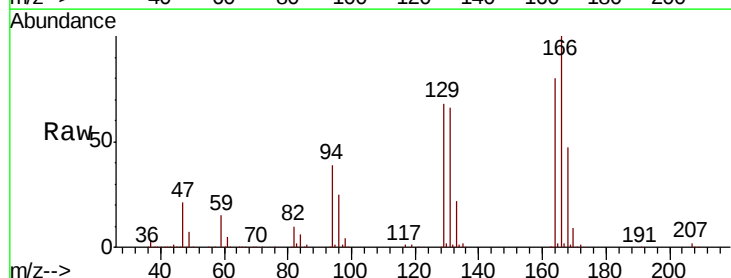
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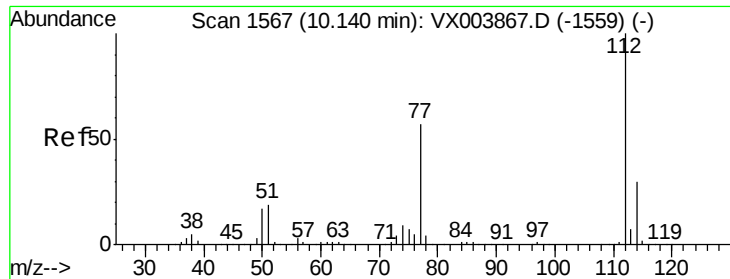
MMDadoda
8/9/2018 10:39:45 AM



#64
Tetrachloroethene
Concen: 17.91 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	98.0	147.0
129	84.7	64.3	96.5
131	82.7	66.8	100.2





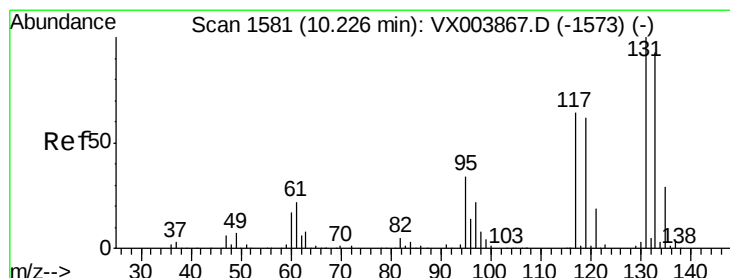
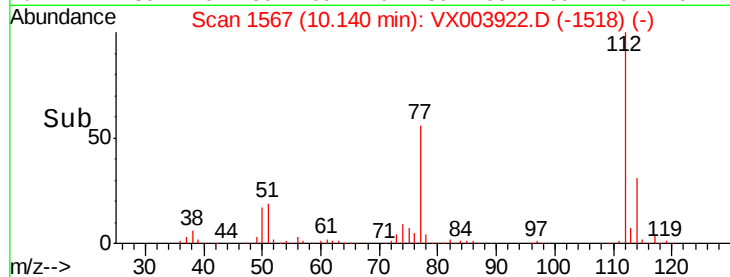
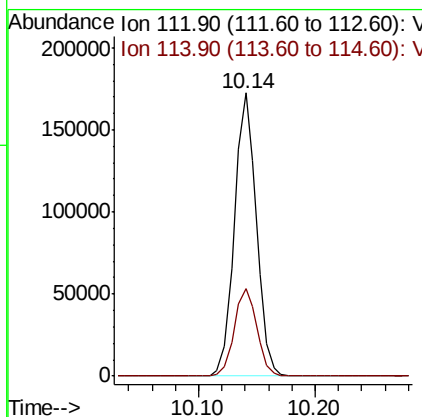
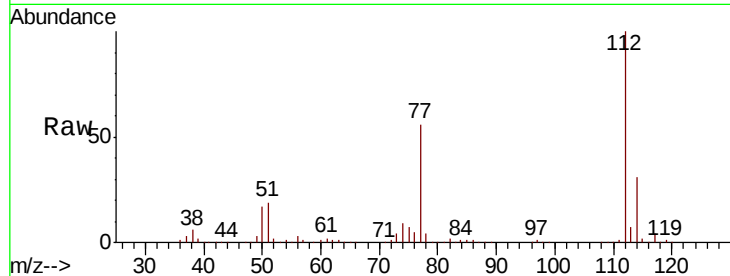
#65
Chlorobenzene
Concen: 18.97 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD02

Tot Ion:112 Resp: 226614
Ion Ratio Lower Upper
112 100
114 30.9 23.6 35.4

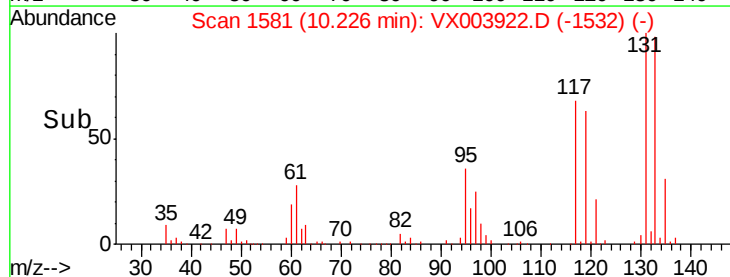
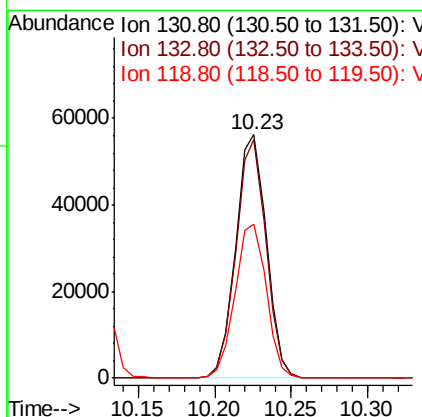
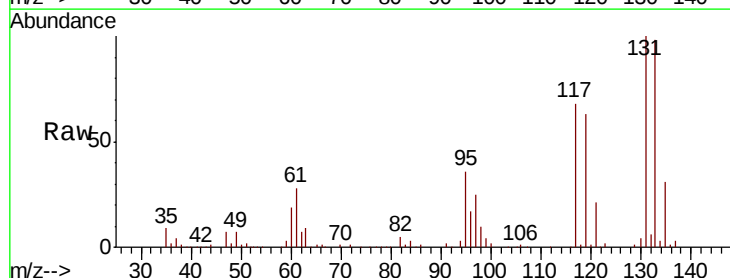
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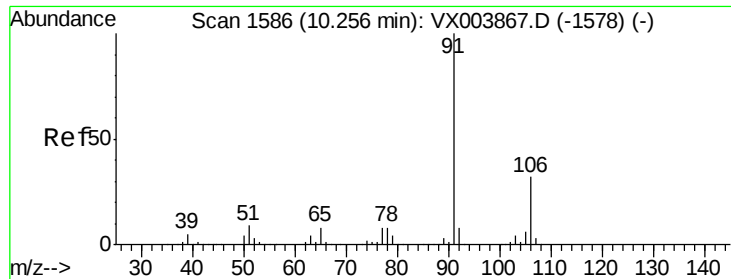
MMDadoda
8/9/2018 10:39:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.02 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion:131 Resp: 78126
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 64.5 31.6 94.8





#67

Ethyl Benzene

Concen: 19.39 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampled :

VX0808WBSD02

Tot Ion: 91 Resp: 379181

Ion Ratio Lower Upper

91 100

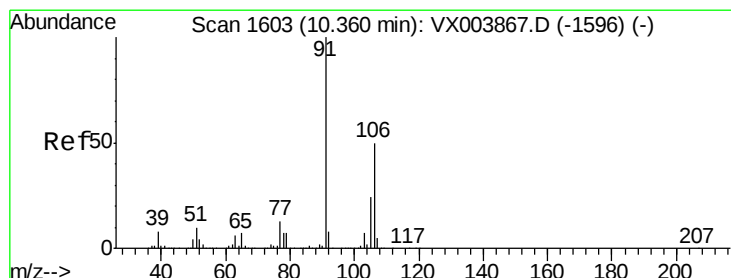
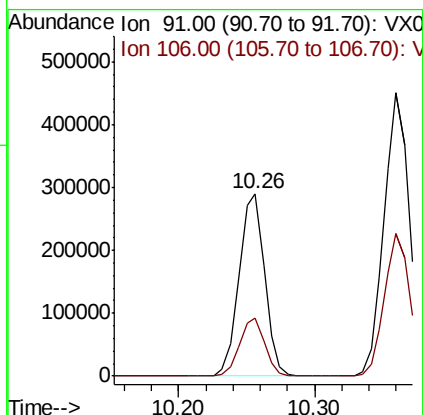
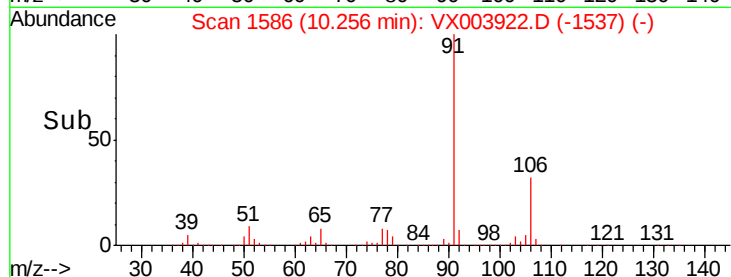
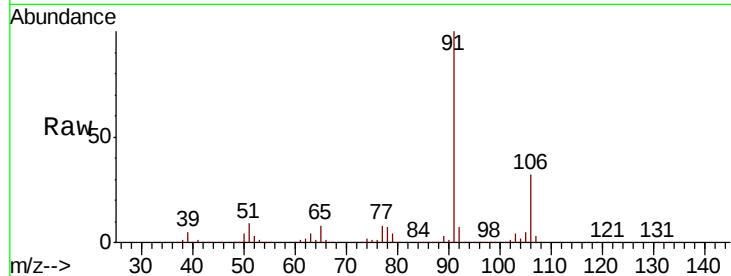
106 31.7 25.9 38.9

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#68

m/p-Xylenes

Concen: 39.19 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003922.D

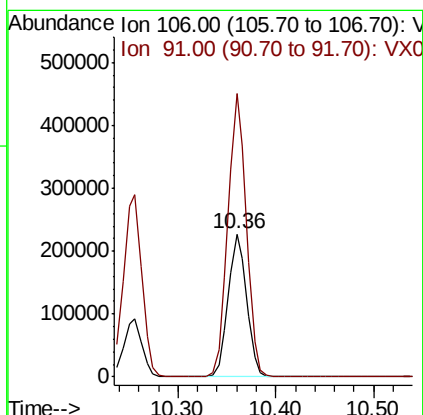
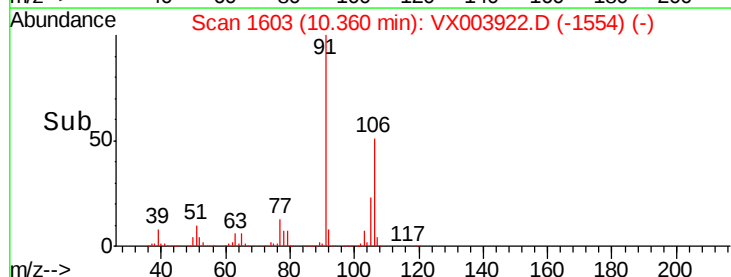
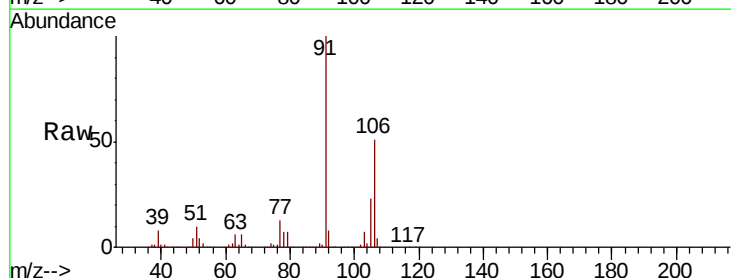
Acq: 08 Aug 2018 14:38

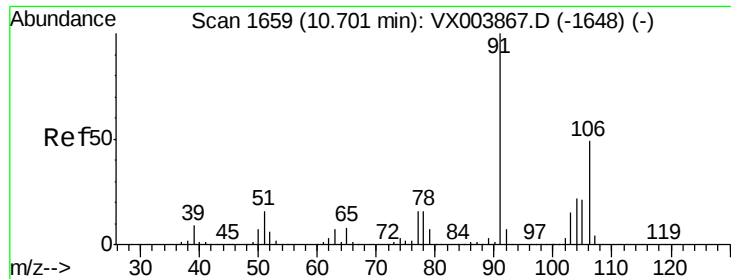
Tgt Ion: 106 Resp: 299446

Ion Ratio Lower Upper

106 100

91 196.9 162.3 243.5





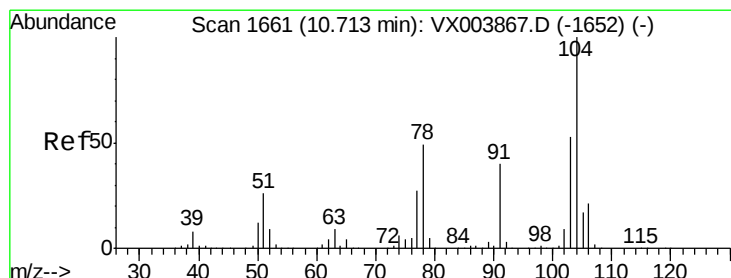
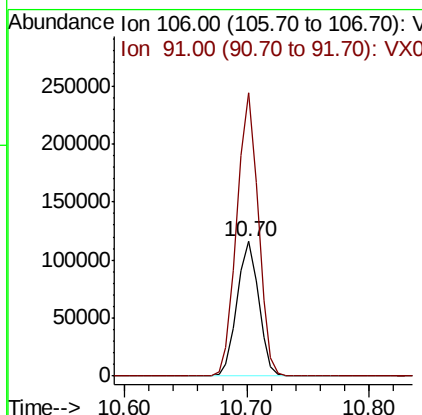
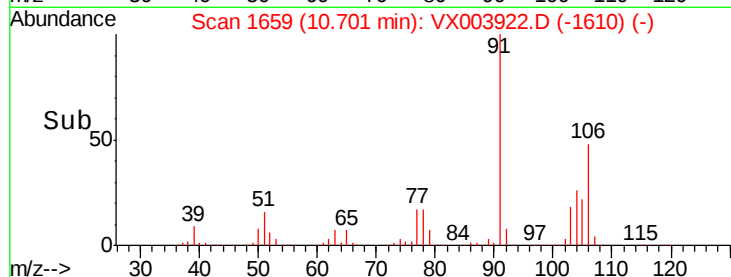
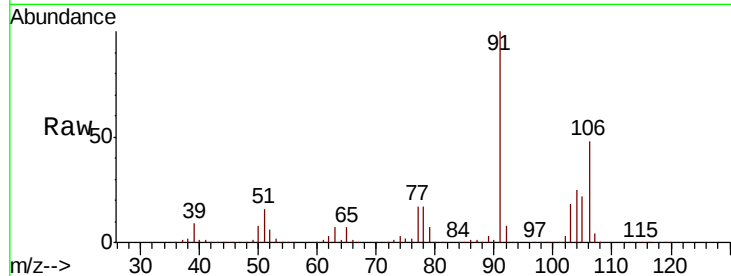
#69
o-Xylene
Concen: 19.70 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampled :
VX0808WBSD02

Tot Ion:106 Resp: 142075
Ion Ratio Lower Upper
106 100
91 208.1 101.9 305.7

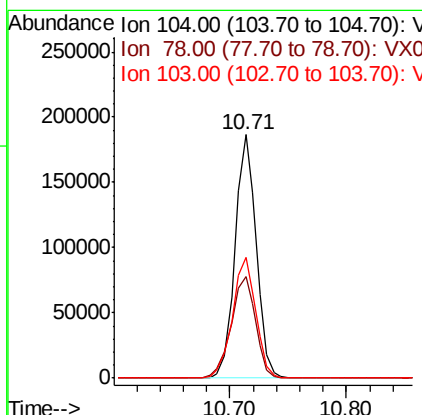
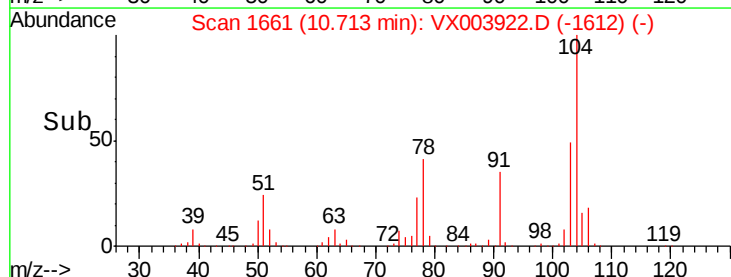
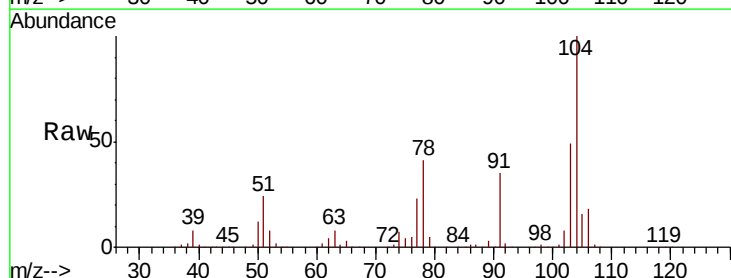
Manual Integrations
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8/9/2018 10:39:45 AM



#70
Styrene
Concen: 20.07 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion:104 Resp: 237072
Ion Ratio Lower Upper
104 100
78 47.8 39.8 59.6
103 54.3 44.3 66.5





#71

Bromoform

Concen: 18.51 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD02

Tot Ion:173 Resp: 57657

Ion Ratio Lower Upper

173 100

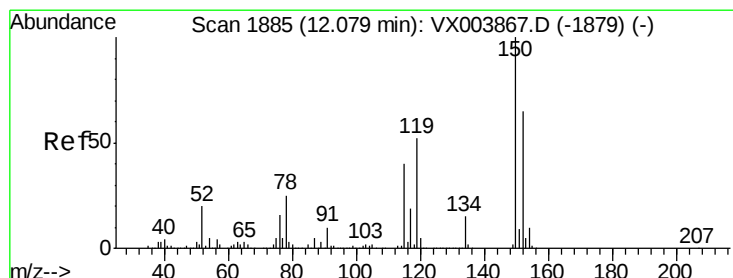
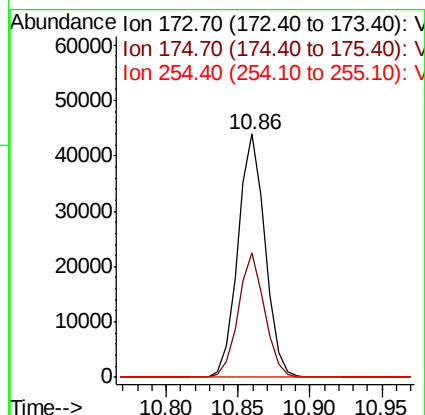
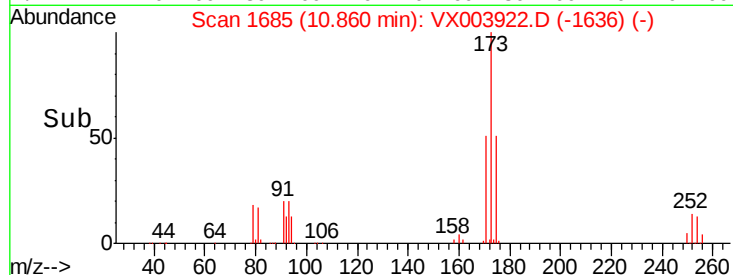
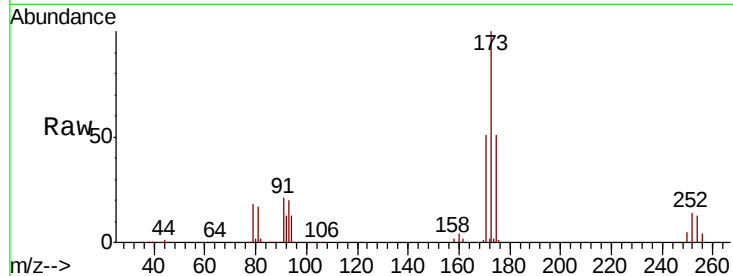
175 49.6 24.9 74.7

254 0.1 0.2 0.2#

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8/9/2018 10:39:45 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

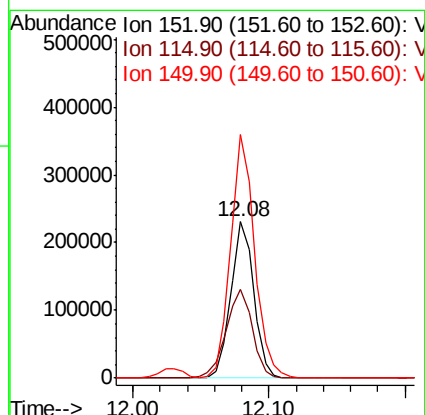
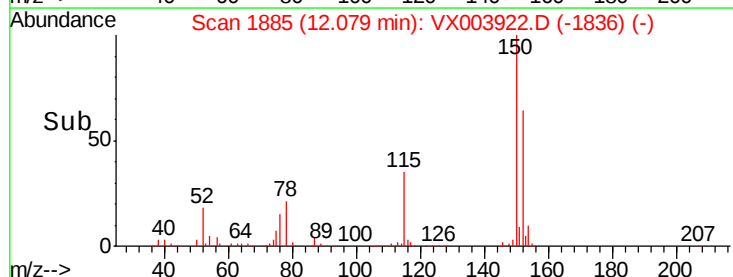
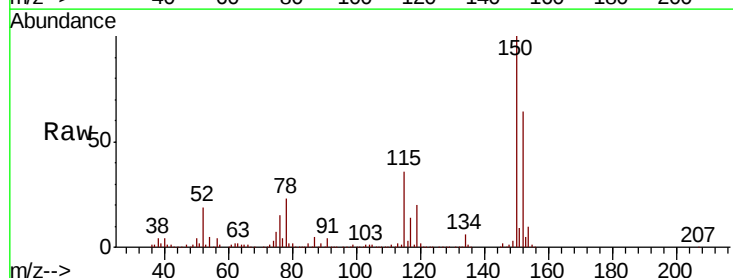
Tgt Ion:152 Resp: 269824

Ion Ratio Lower Upper

152 100

115 64.9 39.1 117.3

150 162.6 0.0 349.2





#73

Isopropylbenzene

Concen: 19.19 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampled :

VX0808WBSD02

Tot Ion:105 Resp: 383114

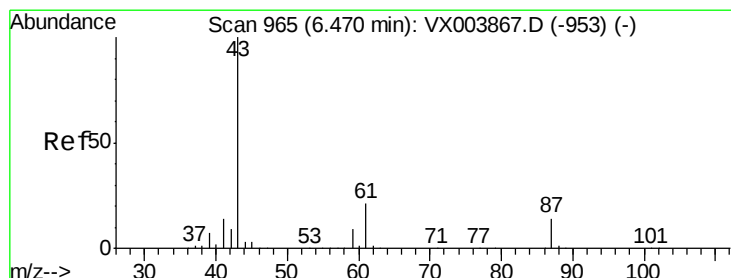
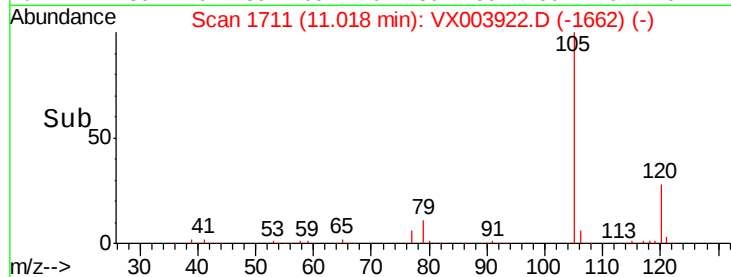
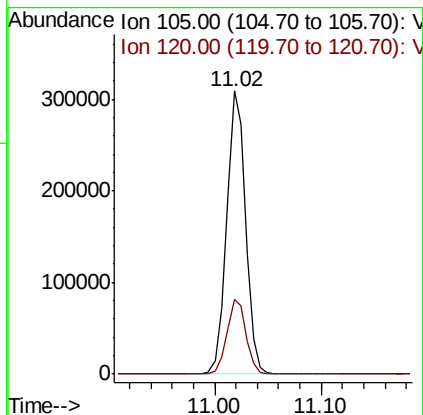
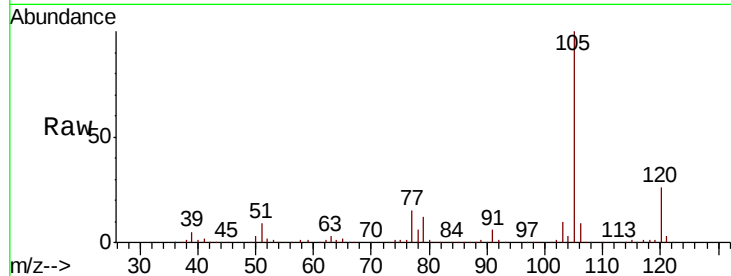
Ion Ratio Lower Upper

105 100

120 26.6 12.6 37.8

Manual Integrations
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MMDadoda
8/9/2018 10:39:45 AM



#74

N-ethyl acetate

Concen: 16.43 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Tgt Ion: 43 Resp: 170503

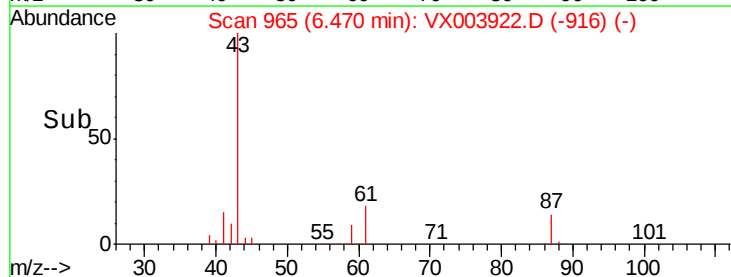
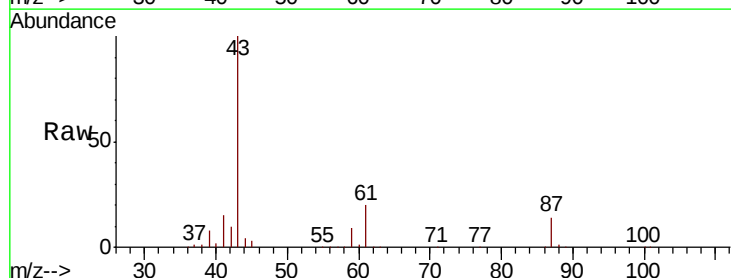
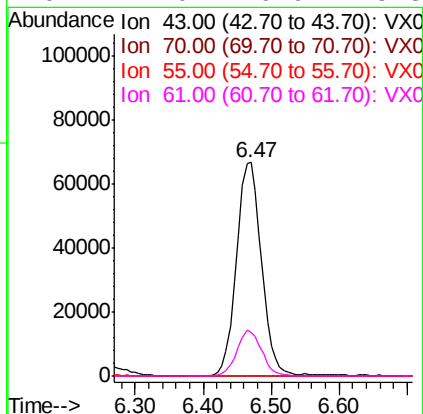
Ion Ratio Lower Upper

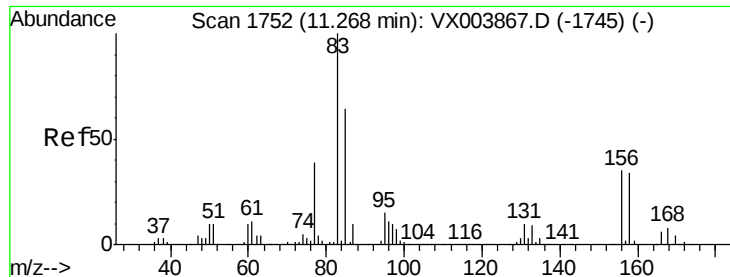
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 21.0 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.69 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

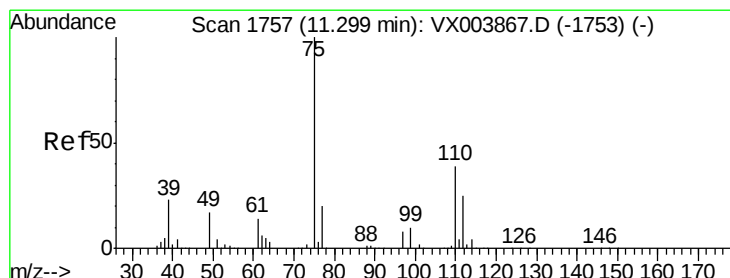
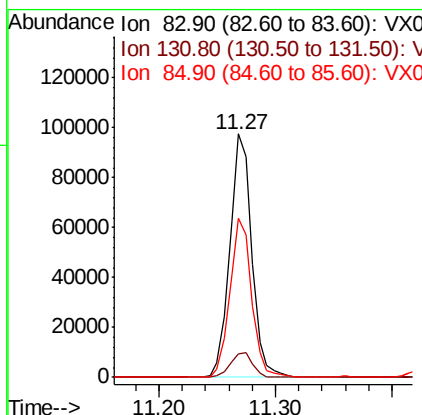
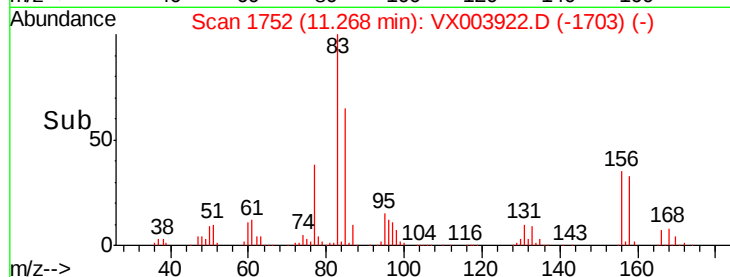
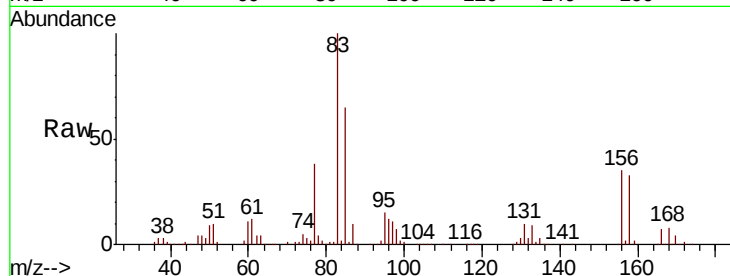
ClientSampleId :

VX0808WBSD02

Tot Ion:	83	Resp:	127886
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	65.0	32.2	96.6

Manual Integrations
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MMDadoda
8/9/2018 10:39:45 AM



#76

1,2,3-Trichloropropane

Concen: 19.14 ug/l m

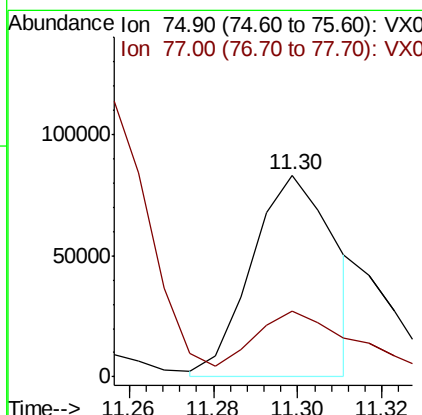
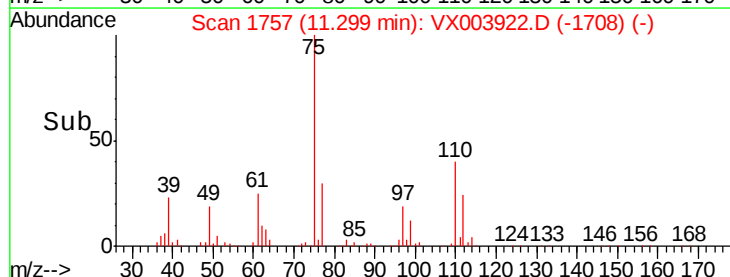
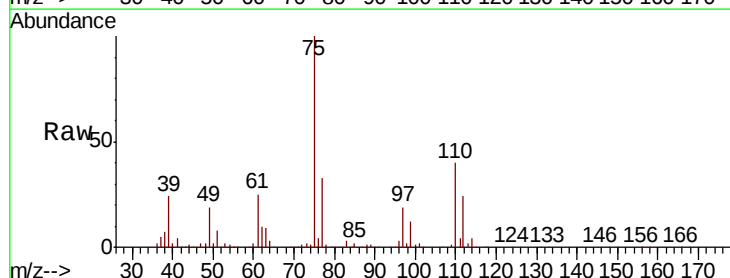
RT: 11.30 min Scan# 1757

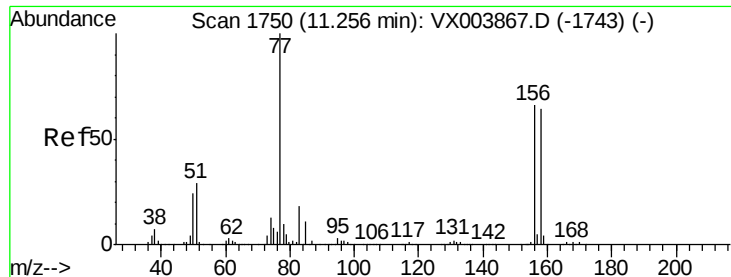
Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Tgt Ion:	75	Resp:	114074
Ion Ratio	Lower	Upper	
75	100		
77	40.6	20.8	62.5





#77

Bromobenzene

Concen: 19.03 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

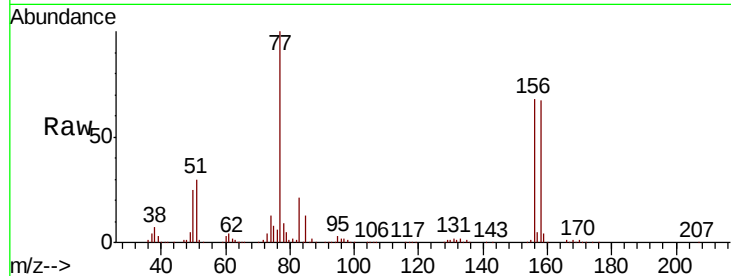
ClientSampleId :

VX0808WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	146.5	74.1	222.2		
158	97.2	48.6	145.9		

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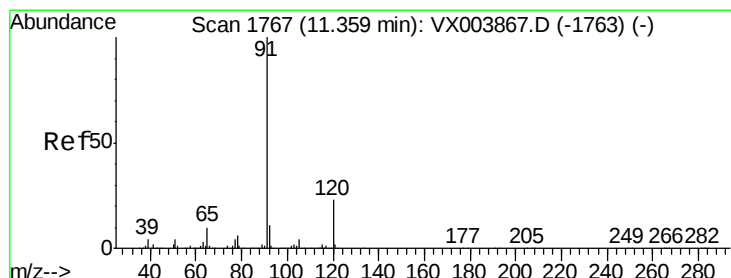
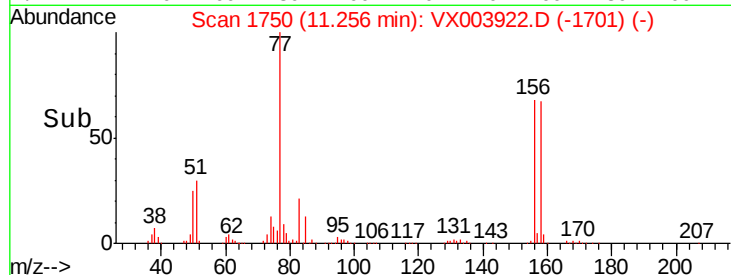
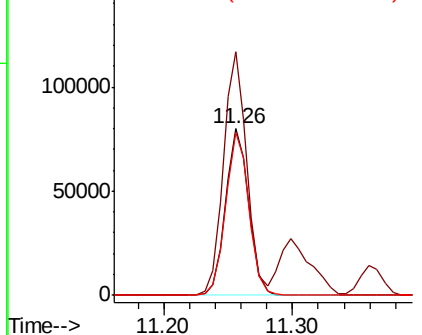


Abundance

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: 19.41 ug/l

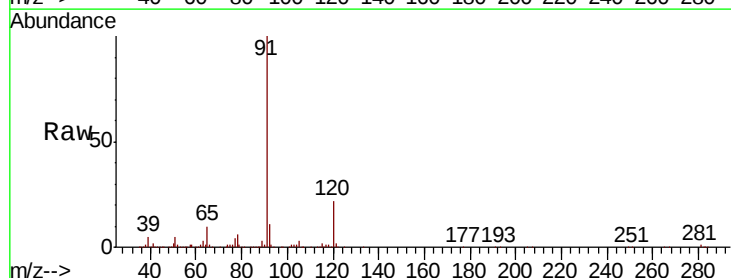
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

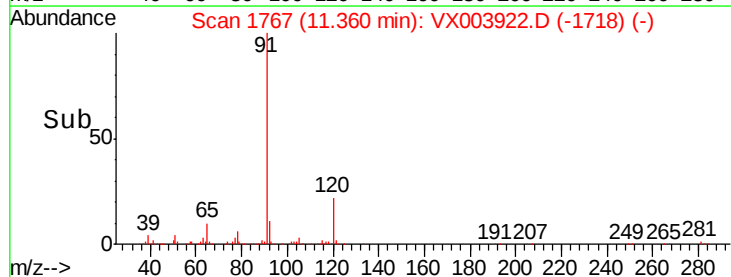
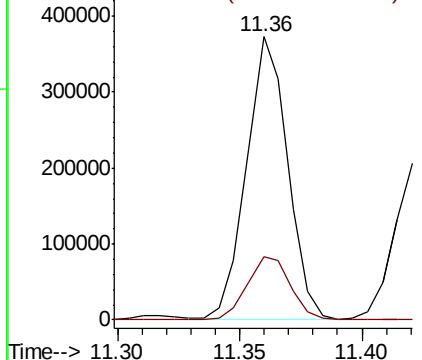
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.6	11.9	35.5		

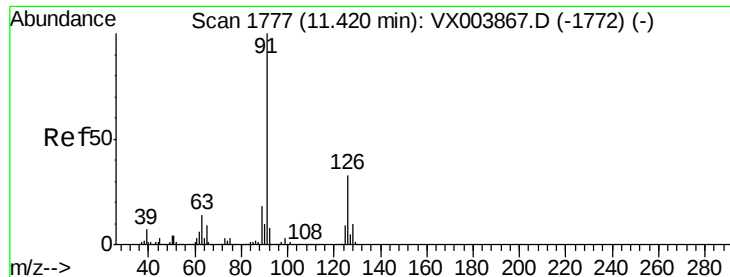


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.22 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD02

Tot Ion: 91 Resp: 262664

Ion Ratio Lower Upper

91 100

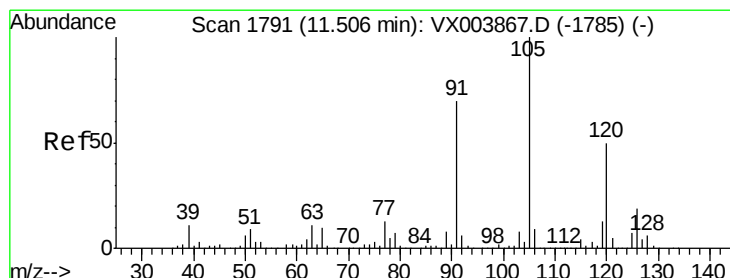
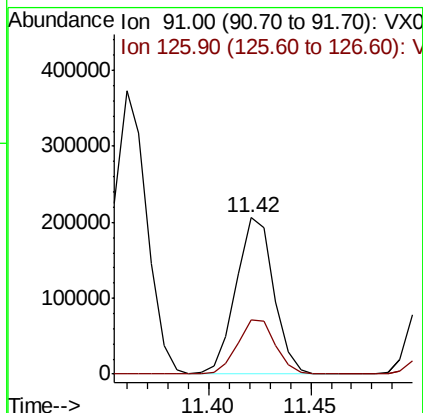
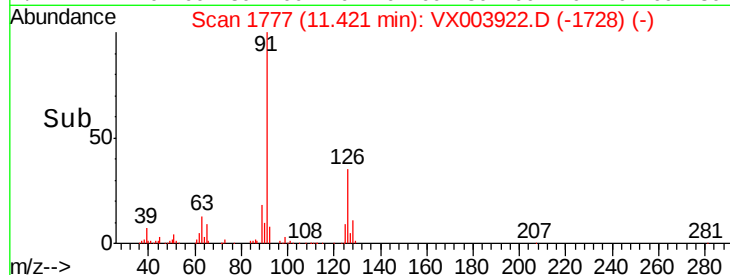
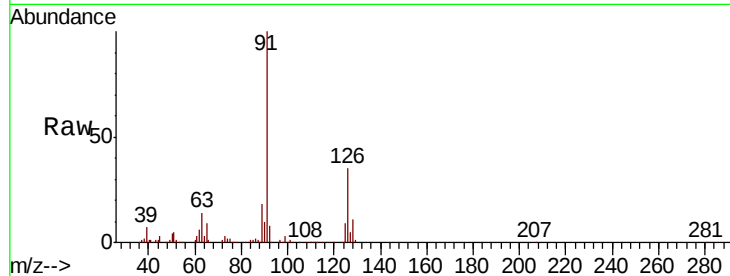
126 35.2 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.47 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003922.D

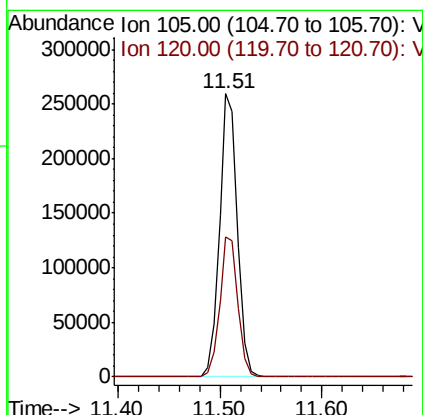
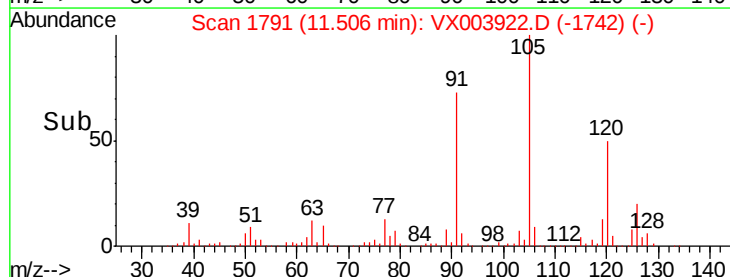
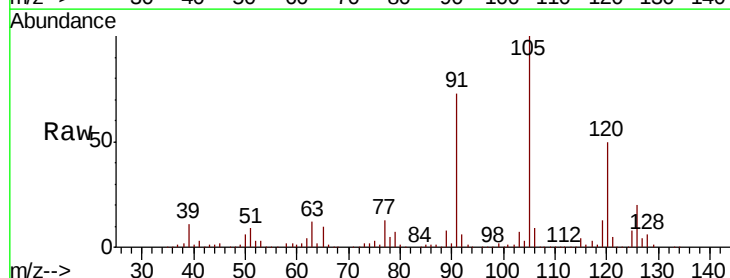
Acq: 08 Aug 2018 14:38

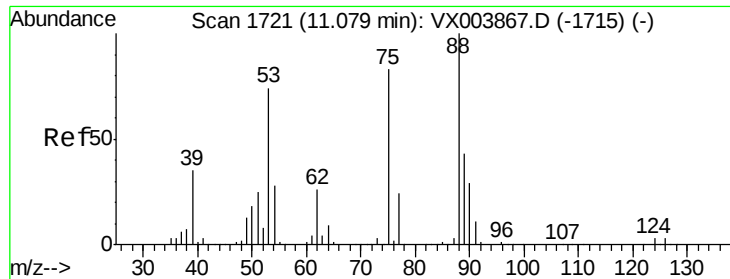
Tgt Ion: 105 Resp: 316827

Ion Ratio Lower Upper

105 100

120 50.2 25.4 76.2





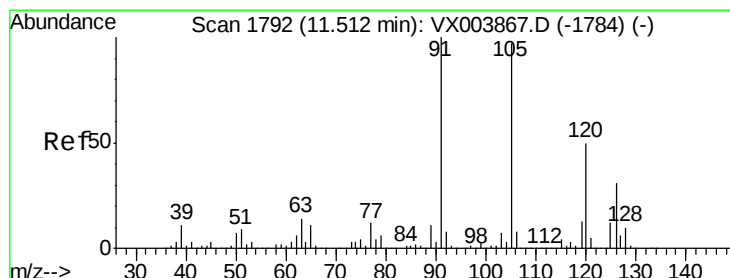
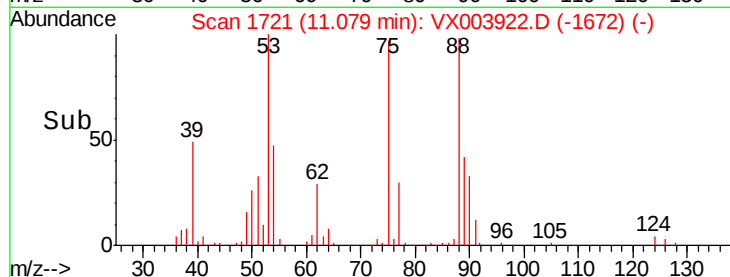
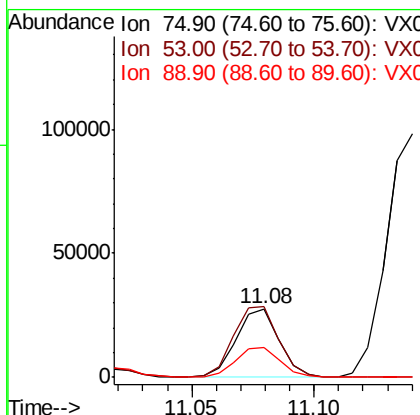
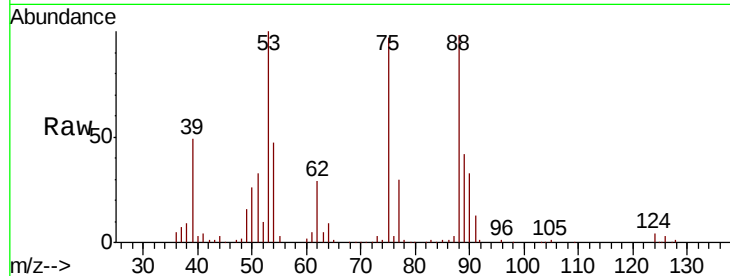
#81
trans-1,4-Dichloro-2-butene
Concen: 17.09 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampled :
VX0808WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.8	80.3	120.5
89	45.3	37.8	56.8

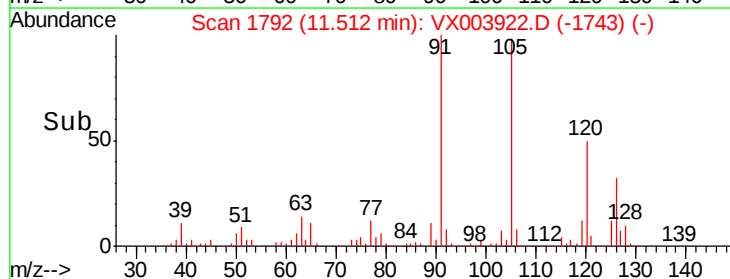
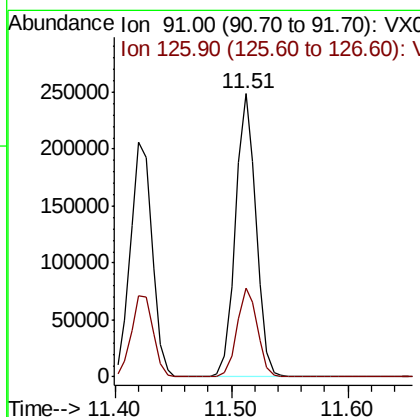
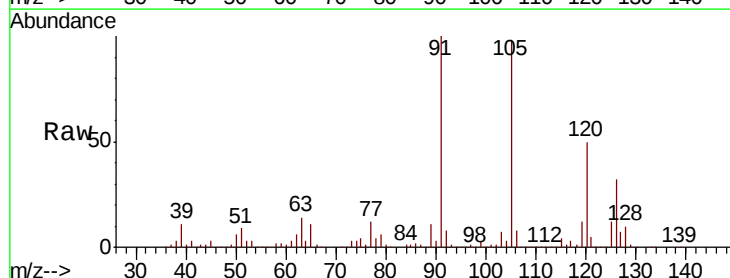
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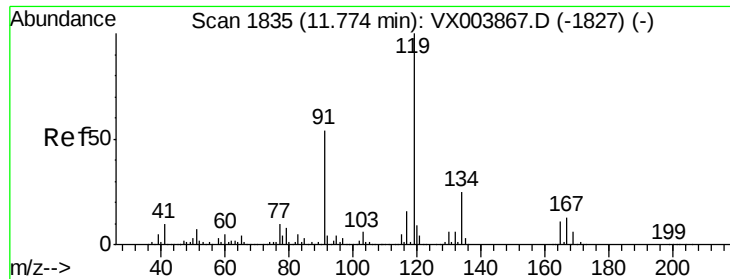
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8/9/2018 10:39:45 AM



#82
4-Chlorotoluene
Concen: 19.13 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.7





#83

tert-Butylbenzene

Concen: 19.41 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

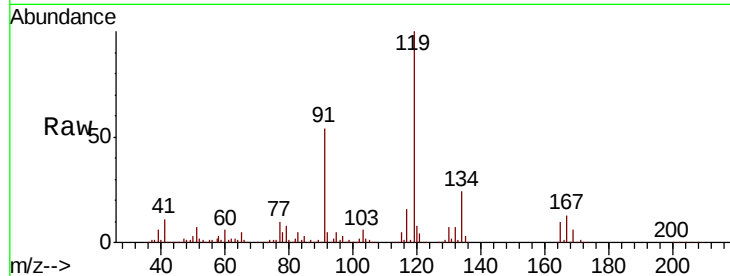
ClientSampled :

VX0808WBSD02

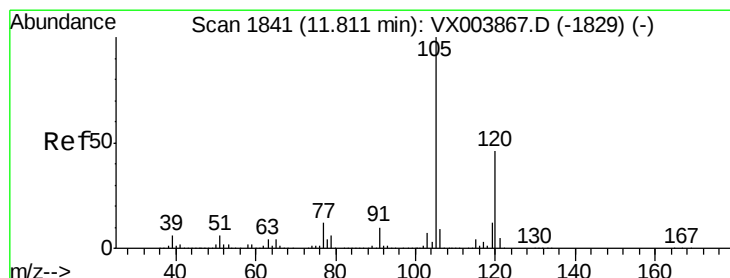
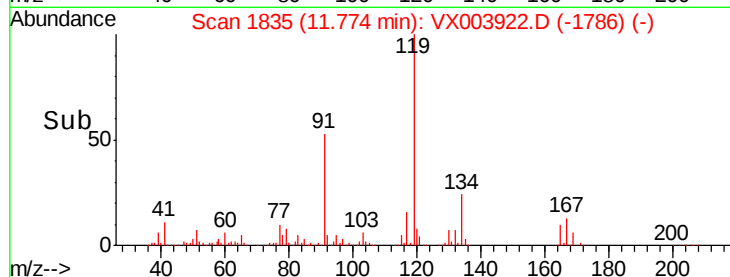
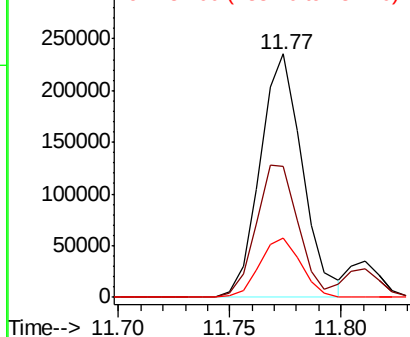
Tot Ion:	119	Resp:	310818
Ion Ratio	Lower	Upper	
119	100		
91	54.1	26.9	80.7
134	24.0	12.0	36.0

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.97 ug/l

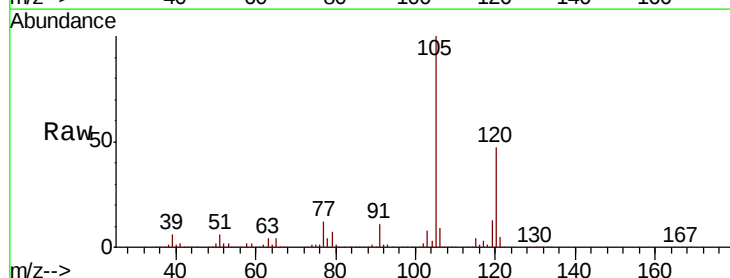
RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

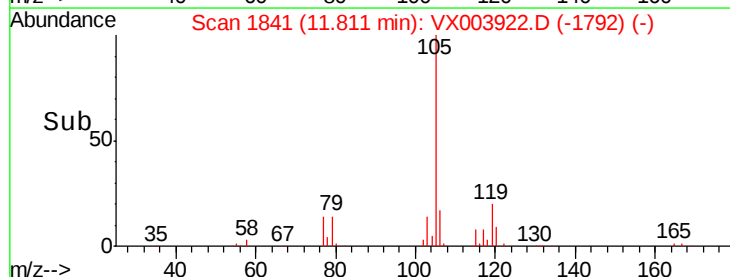
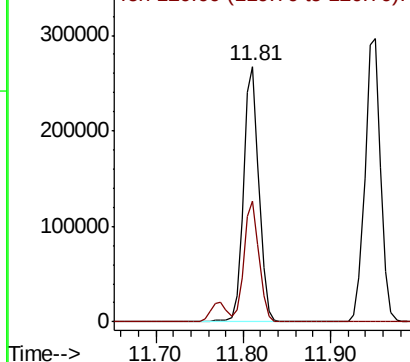
Lab File: VX003922.D

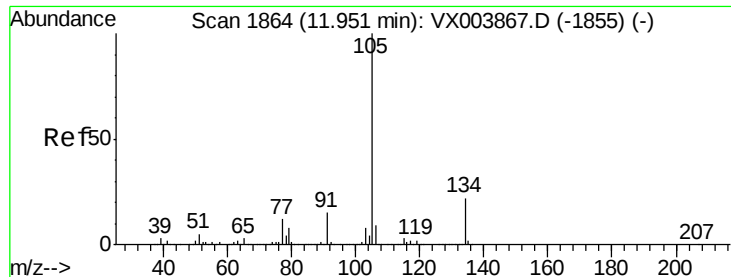
Acq: 08 Aug 2018 14:38

Tgt Ion:	105	Resp:	326768
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.1	69.2



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





#85

sec-Butylbenzene

Concen: 19.71 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

ClientSampled :

VX0808WBSD02

Tot Ion:105 Resp: 372410

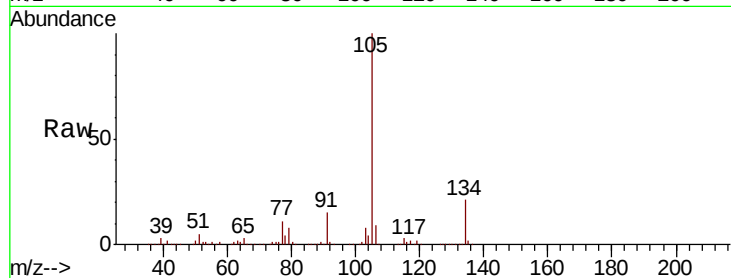
Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.9

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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

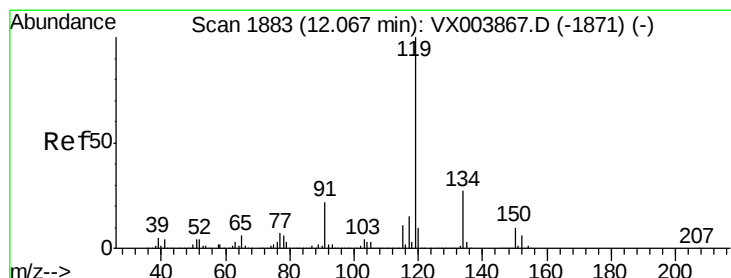
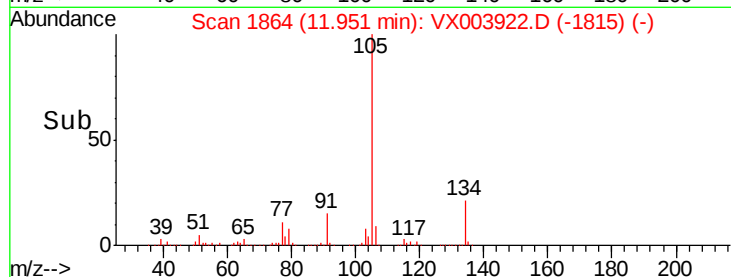
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.40 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

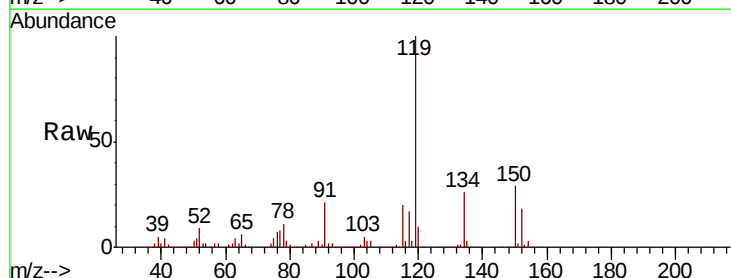
Tgt Ion:119 Resp: 328952

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 22.4 10.9 32.7



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

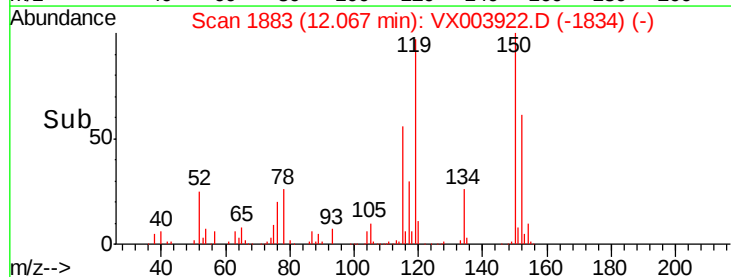
300000

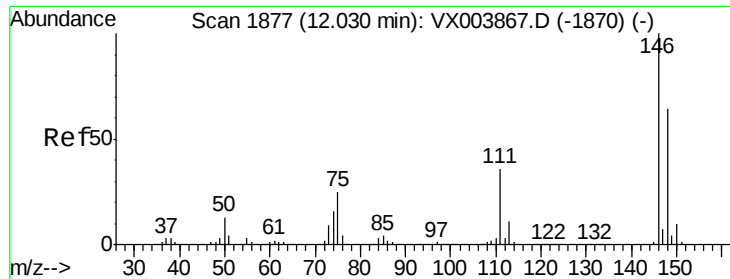
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.59 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

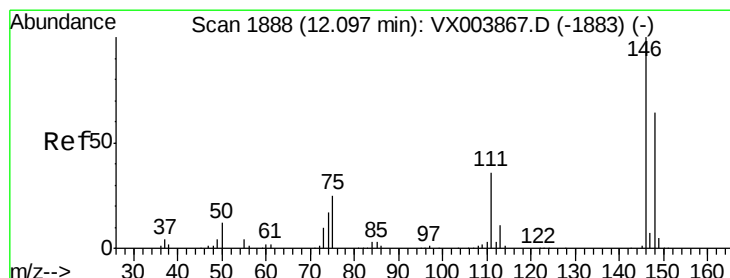
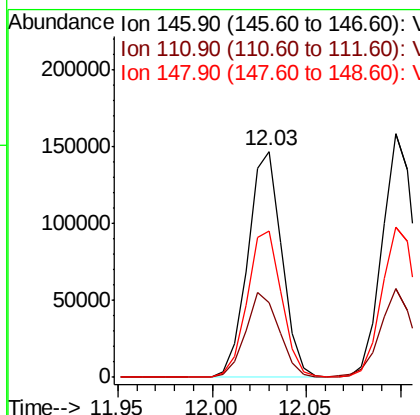
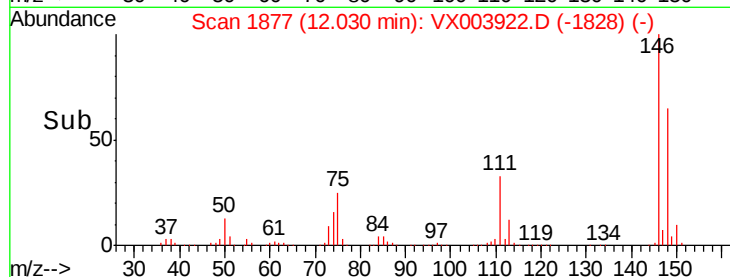
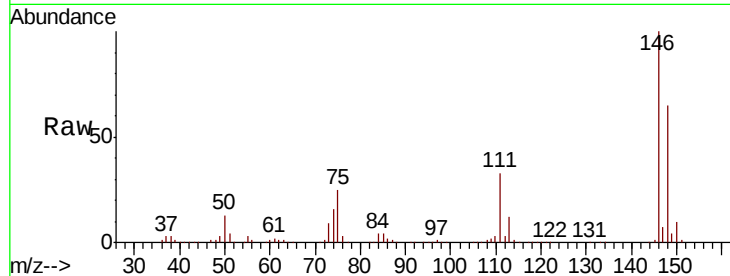
ClientSampleId :

VX0808WBSD02

Tot Ion:	146	Resp:	182962
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.8	56.4
148	65.6	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.19 ug/l

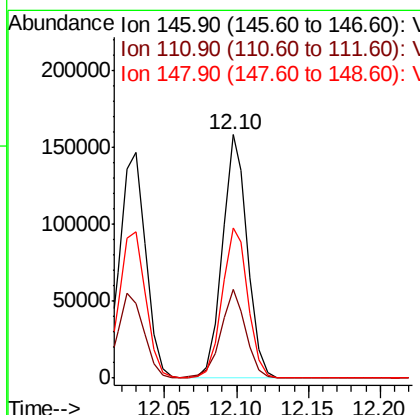
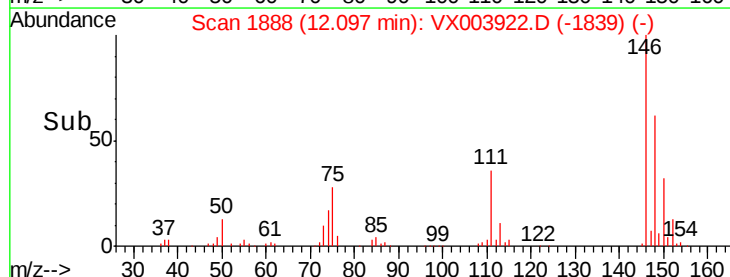
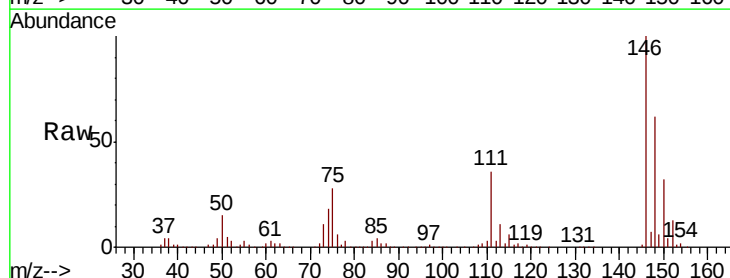
RT: 12.10 min Scan# 1888

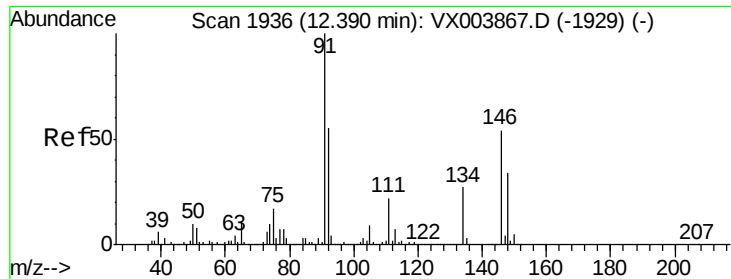
Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Tgt Ion:	146	Resp:	192093
Ion Ratio	Lower	Upper	
146	100		
111	36.5	18.4	55.0
148	64.1	32.3	96.8





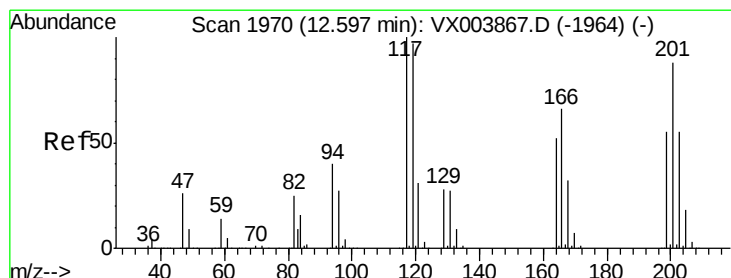
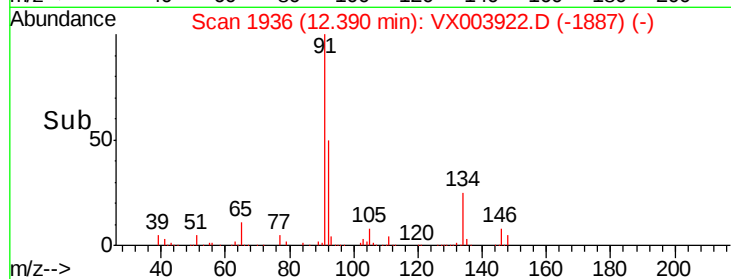
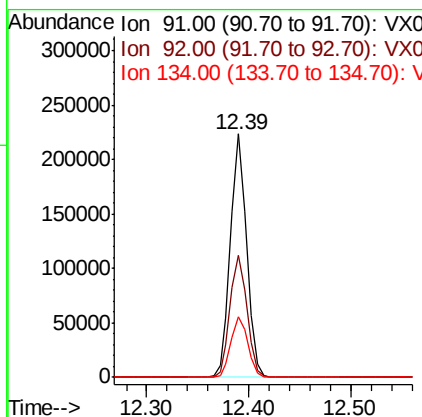
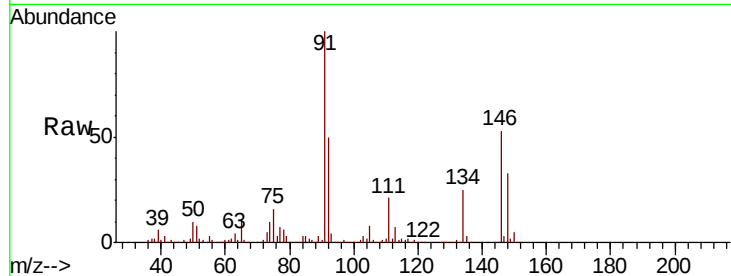
#89
n-Butylbenzene
Concen: 16.53 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.1	81.3
134	25.9	13.6	40.7

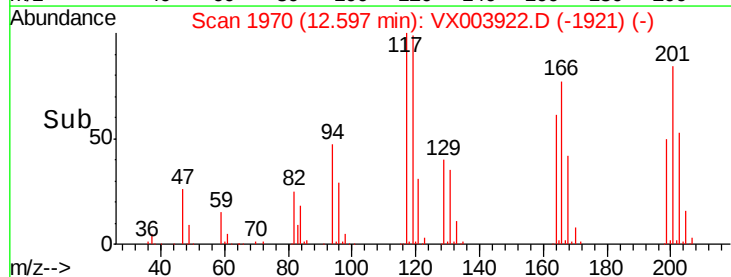
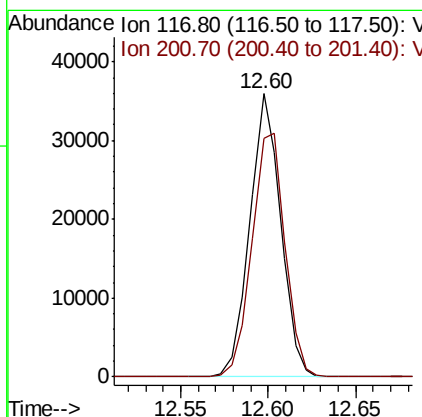
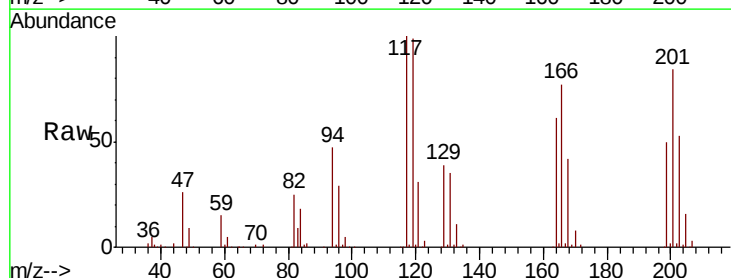
Manual Integrations
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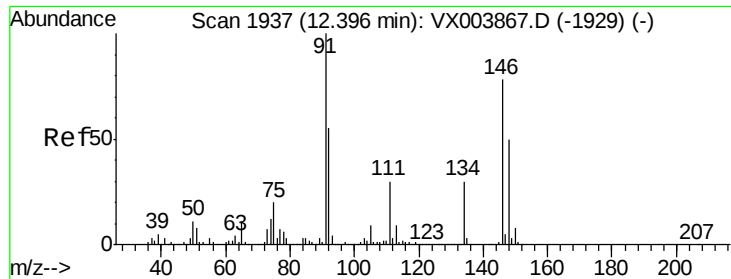
MMDadoda
8/9/2018 10:39:45 AM



#90
Hexachloroethane
Concen: 16.02 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003922.D
Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	46.1	138.2





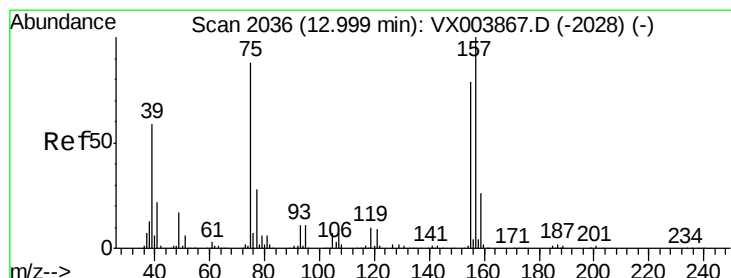
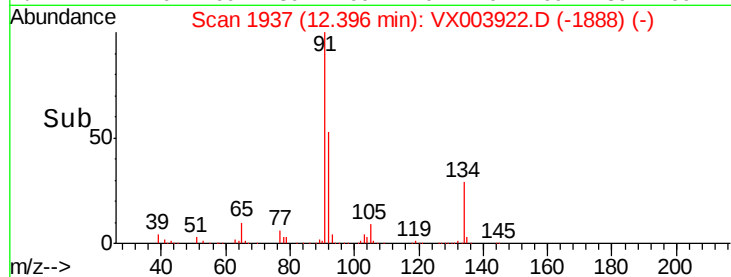
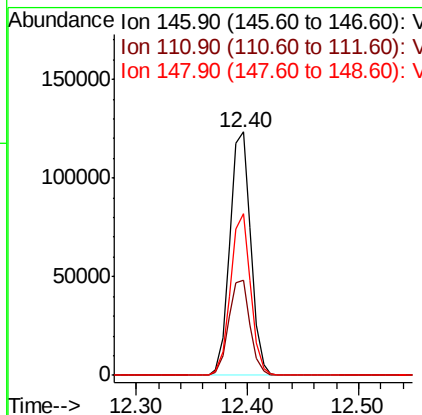
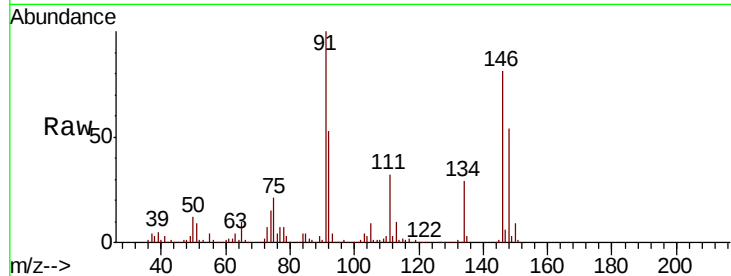
#91
 1,2-Dichlorobenzene
 Concen: 16.38 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	64.0	31.9	95.5

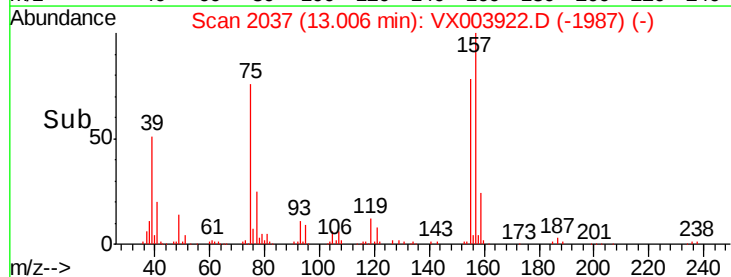
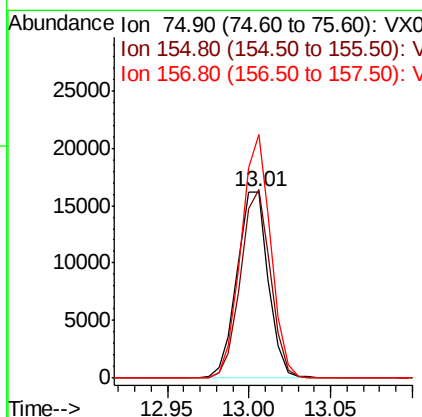
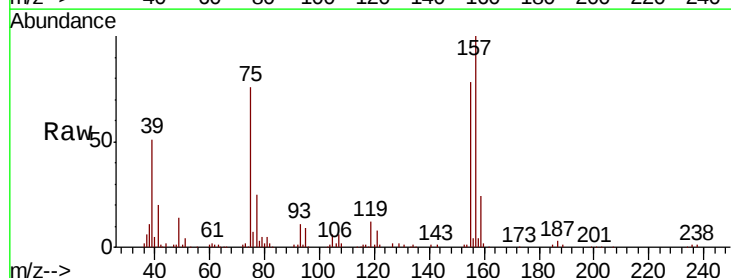
Manual Integrations
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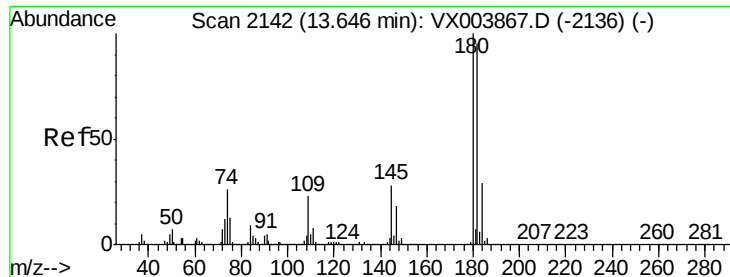
MMDadoda
 8/9/2018 10:39:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.47 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	48.7	146.1
157	123.3	62.6	187.8





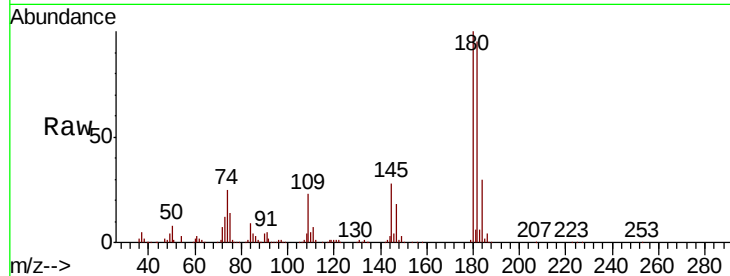
#93
 1,2,4-Trichlorobenzene
 Concen: 18.08 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD02

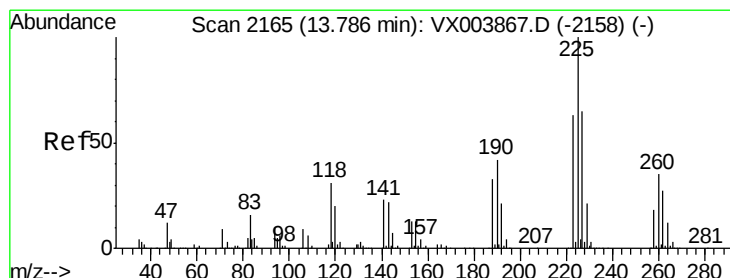
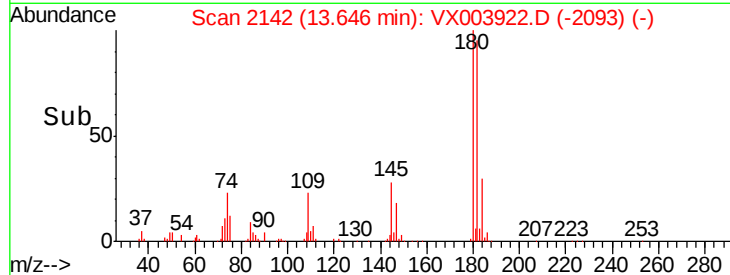
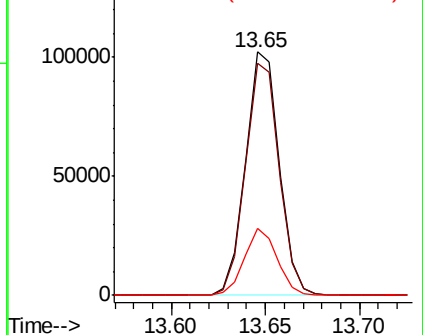
Tot Ion	Ratio	Resp	Lower	Upper
180	100	126868		
182	95.6	47.7	143.1	
145	26.9	13.9	41.6	

Manual Integrations
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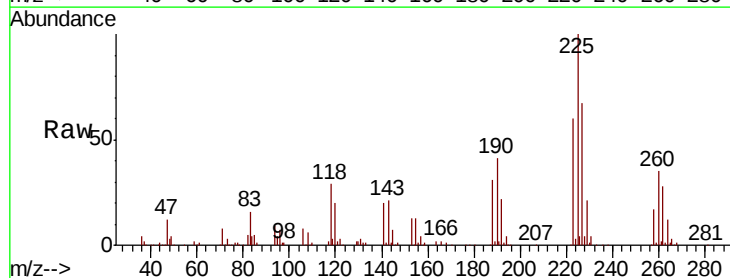


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

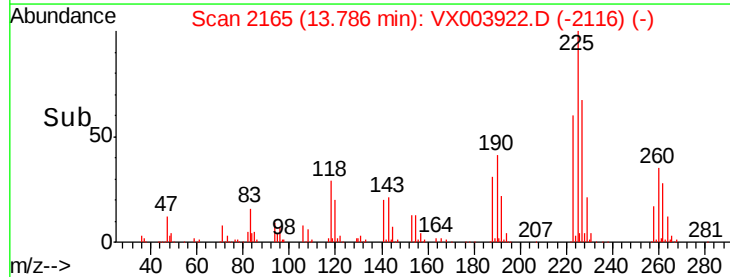
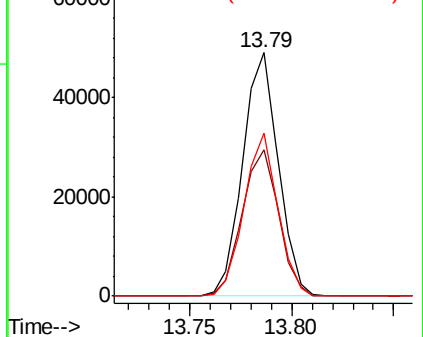


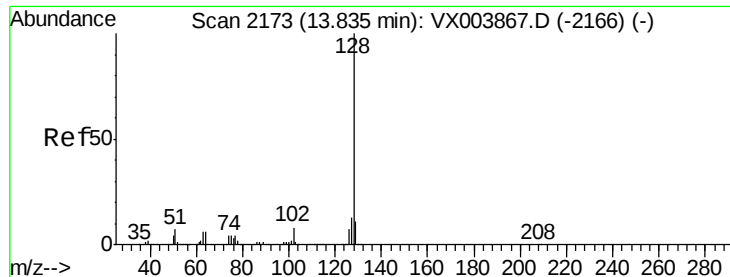
#94
 Hexachlorobutadiene
 Concen: 19.49 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003922.D
 Acq: 08 Aug 2018 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59506		
223	61.6	31.4	94.0	
227	64.1	32.1	96.5	



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





#95

Naphthalene

Concen: 19.47 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Instrument :

MSVOA_X

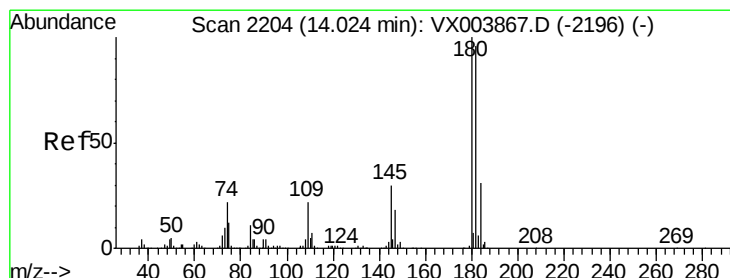
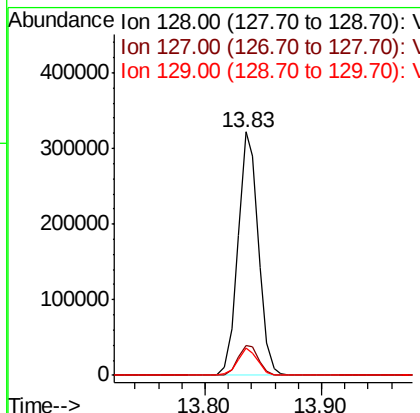
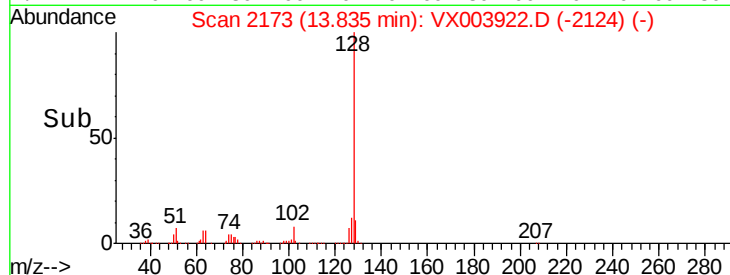
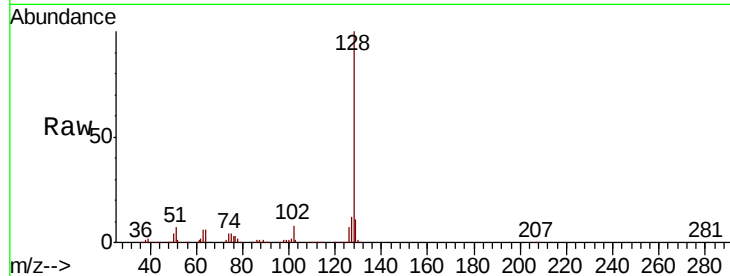
ClientSampleId :

VX0808WBSD02

Tot Ion:	128	Resp:	391322
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
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8/9/2018 10:39:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.71 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003922.D

Acq: 08 Aug 2018 14:38

Tgt Ion:	180	Resp:	131036
Ion Ratio	Lower	Upper	
180	100		
182	97.1	48.1	144.4
145	30.0	14.9	44.7

