

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003883.D
 Acq On : 07 Aug 2018 16:32
 Operator : JC/MD
 Sample : VX0807WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:01:28 PM

Quant Time: Aug 08 02:04:16 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	347723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	509608	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	482550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	248967	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	231875	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	5.51	113	190701	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	8.72	98	745792	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.14	95	271945	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	69608	19.75	ug/l	97
3) Chloromethane	1.32	50	90584	18.89	ug/l	100
4) Vinyl Chloride	1.40	62	93526	19.56	ug/l	99
5) Bromomethane	1.64	94	59899	21.41	ug/l	99
6) Chloroethane	1.72	64	78583	25.69	ug/l	96
7) Trichlorofluoromethane	1.93	101	122751	19.45	ug/l	97
8) Diethyl Ether	2.19	74	54712	19.28	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	75864	19.23	ug/l	99
10) Methyl Iodide	2.51	142	92631	18.87	ug/l	99
11) Tert butyl alcohol	3.07	59	109174	98.57	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70569	18.91	ug/l	98
13) Acrolein	2.29	56	54187	90.87	ug/l	99
14) Allyl chloride	2.73	41	142017	19.74	ug/l	100
15) Acrylonitrile	3.15	53	257571	97.46	ug/l	99
16) Acetone	2.45	43	278732	101.64	ug/l	100
17) Carbon Disulfide	2.57	76	194985	18.71	ug/l	100
18) Methyl Acetate	2.78	43	121173	20.29	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	260251	19.68	ug/l	100
20) Methylene Chloride	2.85	84	86341	18.84	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	79077	18.66	ug/l	98
22) Diisopropyl ether	3.87	45	254721	19.26	ug/l	98
23) Vinyl Acetate	3.82	43	1071221	97.35	ug/l	100
24) 1,1-Dichloroethane	3.70	63	154275	19.64	ug/l	99
25) 2-Butanone	4.71	43	411673	99.85	ug/l	99
26) 2,2-Dichloropropane	4.59	77	112603	19.88	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	87635	19.06	ug/l	99
28) Bromochloromethane	5.02	49	68487	20.37	ug/l	100
29) Tetrahydrofuran	5.17	42	207597	97.96	ug/l	99
30) Chloroform	5.22	83	145954	19.74	ug/l	100
31) Cyclohexane	5.57	56	125325	18.86	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	122688	19.78	ug/l	99
36) 1,1-Dichloropropene	5.80	75	108536	19.02	ug/l	100
37) Ethyl Acetate	4.86	43	122142	19.45	ug/l	100
38) Carbon Tetrachloride	5.78	117	104038	19.15	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	125388	18.63	ug/l	99
40) Benzene	6.14	78	335152	19.56	ug/l	100
41) Methacrylonitrile	5.06	41	66841	19.33	ug/l	99
42) 1,2-Dichloroethane	6.20	62	116193	20.05	ug/l	100
43) Isopropyl Acetate	6.47	43	183016	19.37	ug/l	100
44) Trichloroethene	7.21	130	88090	18.79	ug/l	100
45) 1,2-Dichloropropane	7.52	63	86825	19.62	ug/l	99
46) Dibromomethane	7.66	93	55452	19.30	ug/l	99
47) Bromodichloromethane	7.90	83	103239	19.07	ug/l	99
48) Methyl methacrylate	7.78	41	93089	19.38	ug/l	100
49) 1,4-Dioxane	7.76	88	44005	388.94	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	793432	101.31	ug/l	100
52) Toluene	8.79	92	215515	19.90	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	115833	18.93	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	127919	19.39	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	86719	19.60	ug/l	99
56) Ethyl methacrylate	9.18	69	121421	18.91	ug/l	98
57) 1,3-Dichloropropane	9.37	76	145894	19.70	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	322791	102.24	ug/l	99
59) 2-Hexanone	9.50	43	609057	104.04	ug/l	99
60) Dibromochloromethane	9.59	129	81330	19.71	ug/l	100
61) 1,2-Dibromoethane	9.68	107	89240	20.14	ug/l	99
64) Tetrachloroethene	9.34	164	82366	17.35	ug/l	95
65) Chlorobenzene	10.14	112	236140	18.81	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	82992	19.23	ug/l	99
67) Ethyl Benzene	10.26	91	390640	19.01	ug/l	99
68) m/p-Xylenes	10.36	106	312057	38.86	ug/l	97
69) o-Xylene	10.70	106	146787	19.36	ug/l	95
70) Styrene	10.71	104	248037	19.98	ug/l	98
71) Bromoform	10.86	173	61091	18.63	ug/l	100
73) Isopropylbenzene	11.02	105	397493	21.58	ug/l	96
74) N-amyl acetate	6.47	43	183016	19.11	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	136006	21.55	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	121217m	22.04	ug/l	
77) Bromobenzene	11.26	156	105131	21.40	ug/l	100
78) n-propylbenzene	11.36	91	455923	22.04	ug/l	100
79) 2-Chlorotoluene	11.42	91	271294	21.51	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	331098	22.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	36672	19.55	ug/l	96
82) 4-Chlorotoluene	11.51	91	317900	21.52	ug/l	99
83) tert-Butylbenzene	11.77	119	320879	21.72	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	346042	22.92	ug/l	100
85) sec-Butylbenzene	11.95	105	363065	20.82	ug/l	98
86) p-Isopropyltoluene	12.07	119	313104	20.01	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	180257	19.85	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	180661	20.59	ug/l	98
89) n-Butylbenzene	12.39	91	257445	18.88	ug/l	98
90) Hexachloroethane	12.60	117	47555	18.72	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	172885	19.20	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23116	17.88	ug/l	99

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VX0807WBSD01

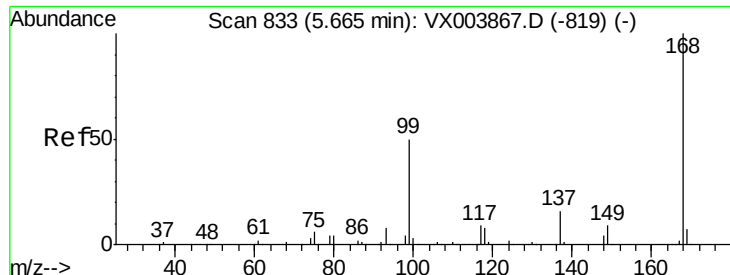
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	134423	20.76	ug/l	99
94) Hexachlorobutadiene	13.79	225	63231	22.38	ug/l	100
95) Naphthalene	13.83	128	415122	22.39	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	142780	22.10	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion:168 Resp: 347723

Ion Ratio Lower Upper

168 100

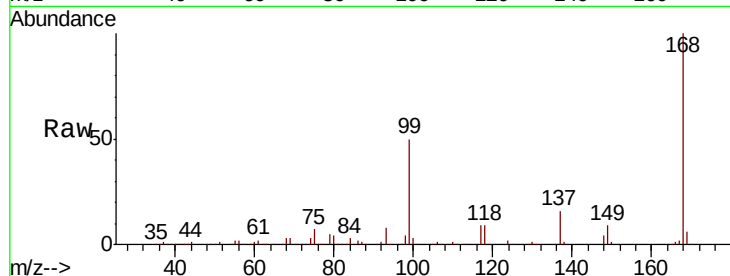
99 50.3 40.1 60.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

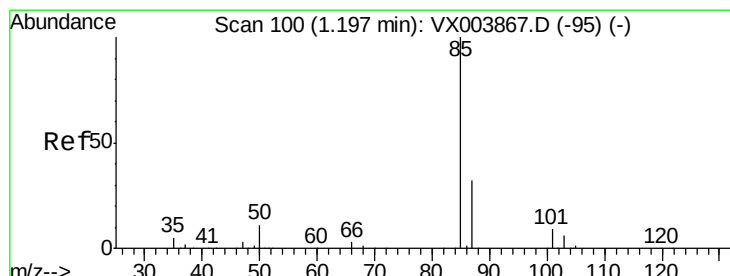
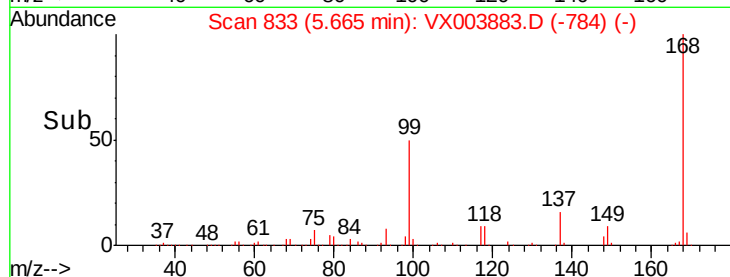
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.75 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003883.D

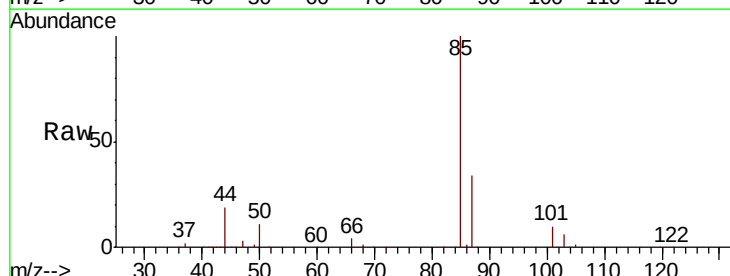
Acq: 07 Aug 2018 16:32

Tgt Ion: 85 Resp: 69608

Ion Ratio Lower Upper

85 100

87 33.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

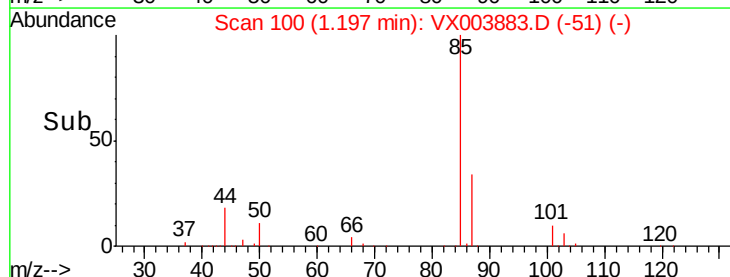
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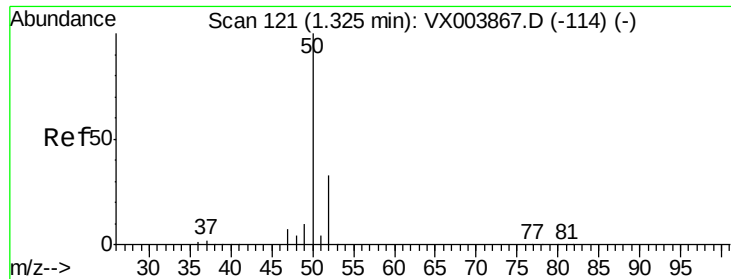
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.89 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 50 Resp: 90584

Ion Ratio Lower Upper

50 100

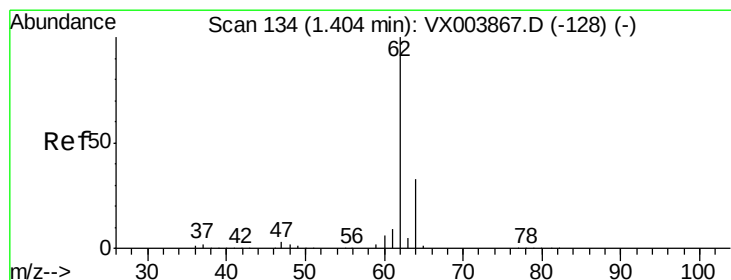
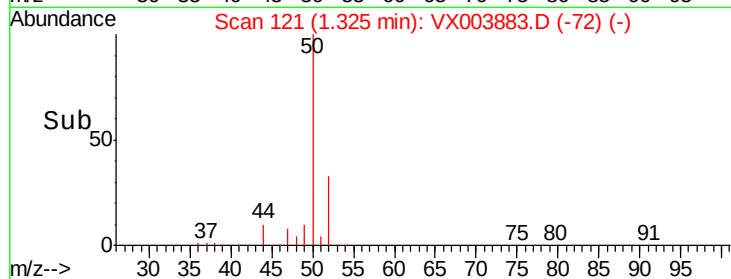
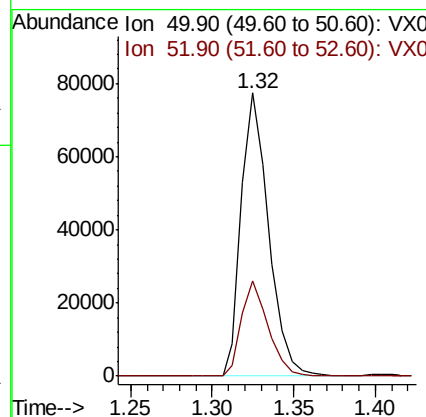
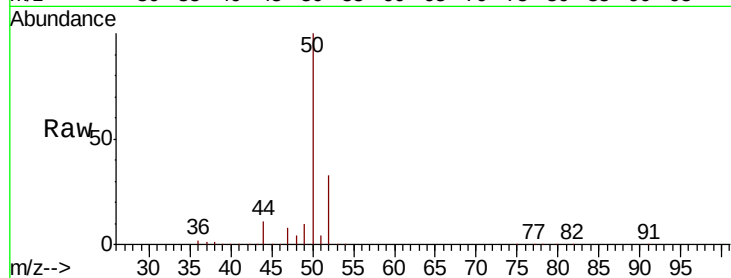
52 33.4 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.56 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003883.D

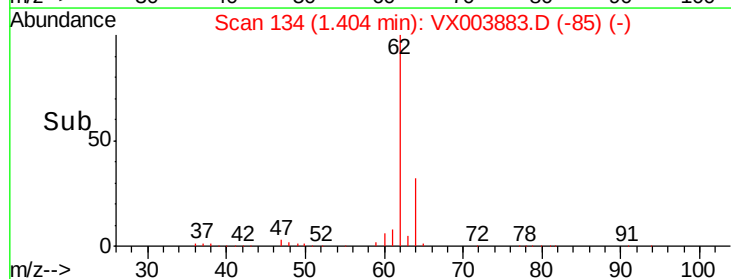
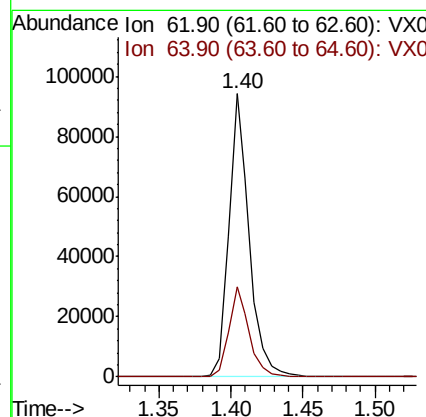
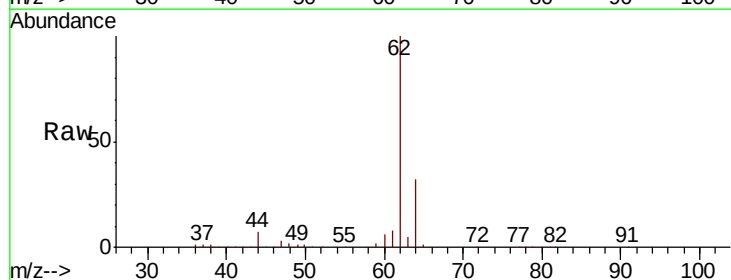
Acq: 07 Aug 2018 16:32

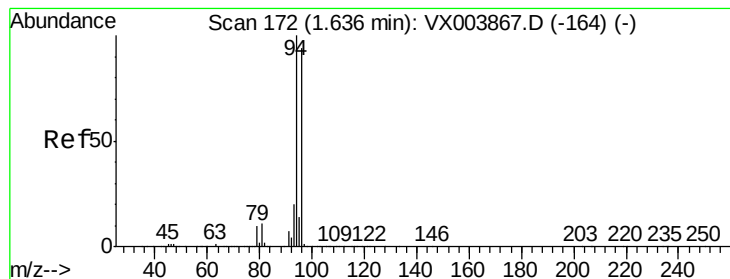
Tgt Ion: 62 Resp: 93526

Ion Ratio Lower Upper

62 100

64 31.7 26.0 39.0





#5

Bromomethane

Concen: 21.41 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

ClientSampled :

VX0807WBSD01

Tot Ion: 94 Resp: 59899

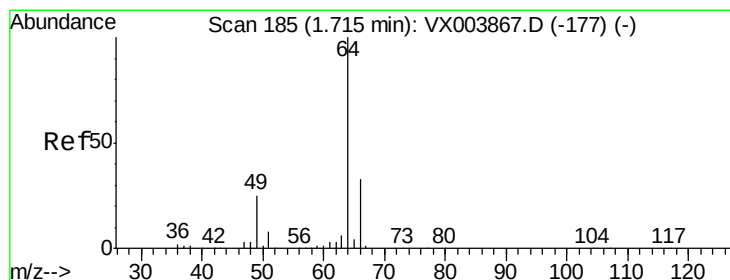
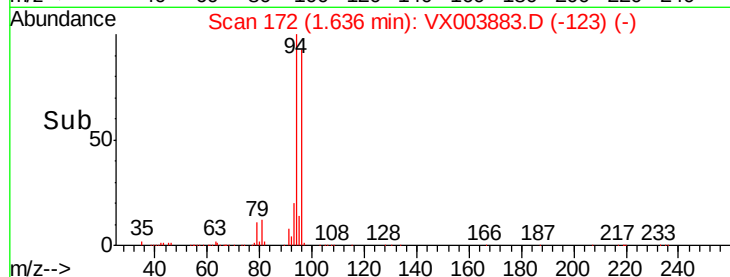
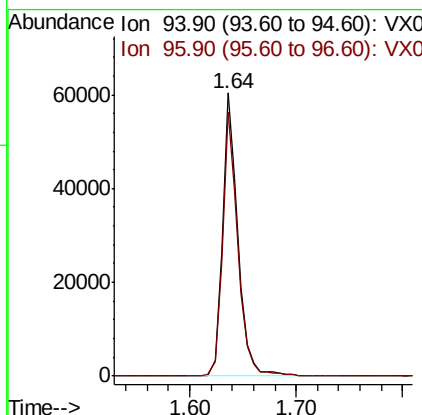
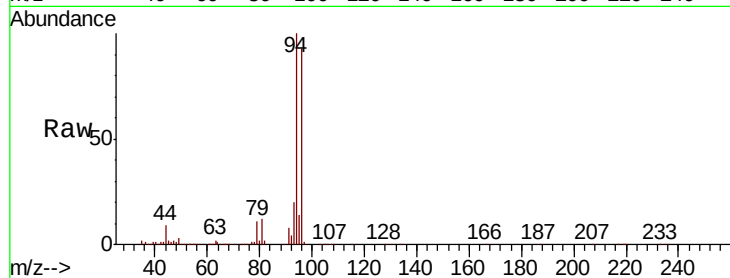
Ion Ratio Lower Upper

94 100

96 93.2 75.2 112.8

Manual Integrations
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#6

Chloroethane

Concen: 25.69 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003883.D

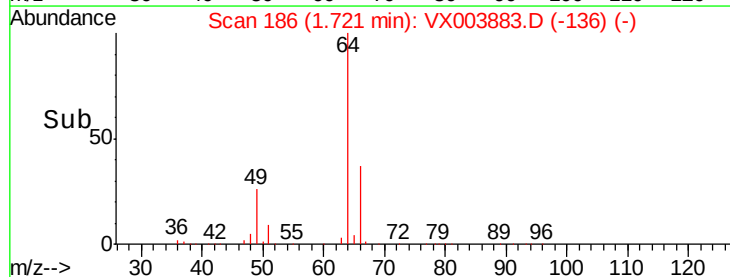
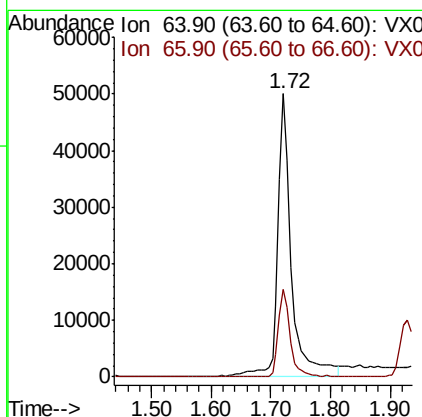
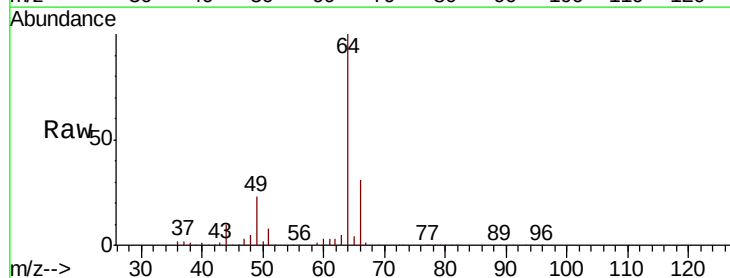
Acq: 07 Aug 2018 16:32

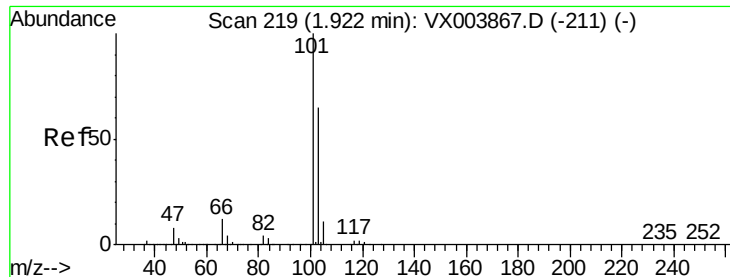
Tgt Ion: 64 Resp: 78583

Ion Ratio Lower Upper

64 100

66 30.8 26.5 39.7





#7

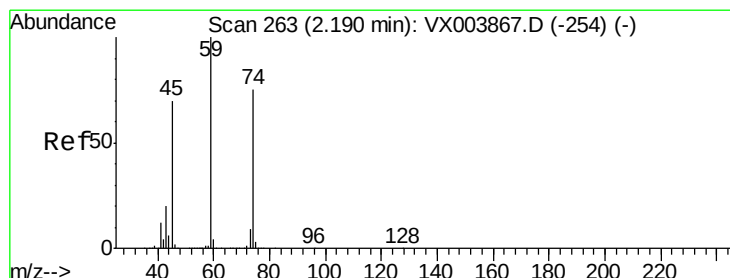
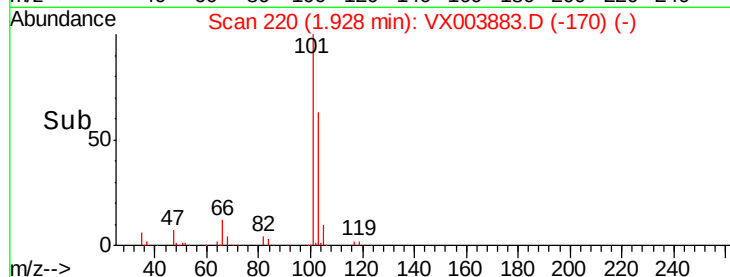
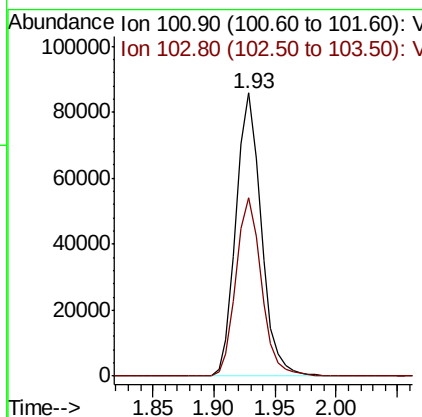
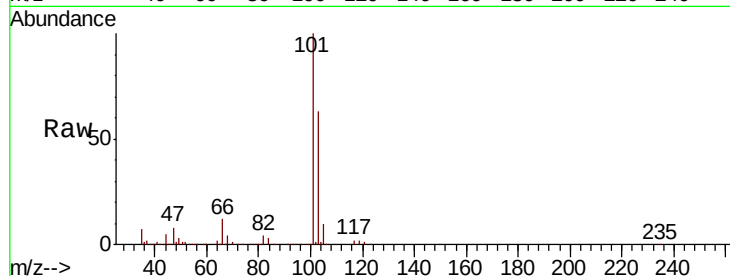
Trichlorofluoromethane
 Concen: 19.45 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003883.D
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 VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	122751		
103	62.8	52.3	78.5	

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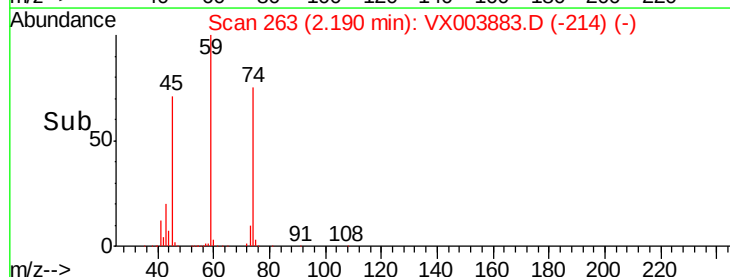
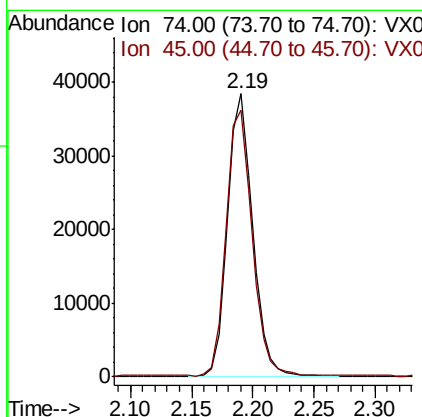
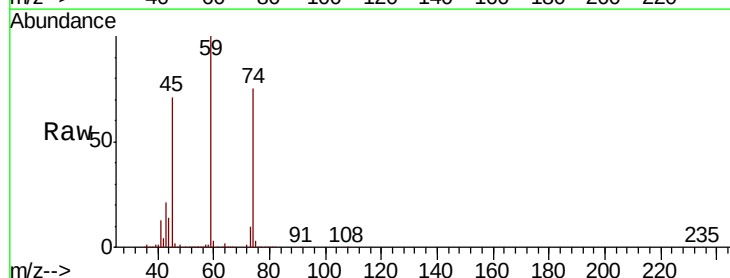
MMDadoda
 8/8/2018 12:01:28 PM

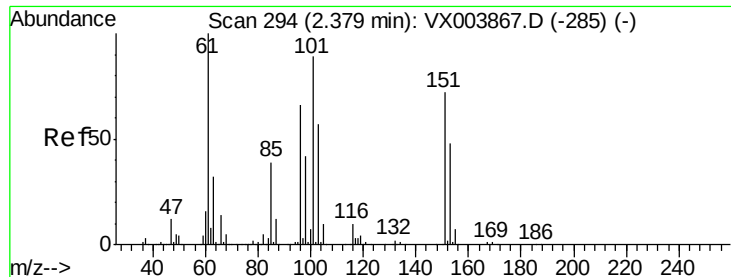


#8

Diethyl Ether
 Concen: 19.28 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	54712		
45	97.0	48.3	144.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.23 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

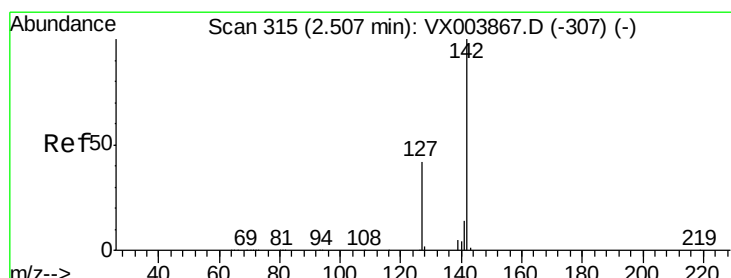
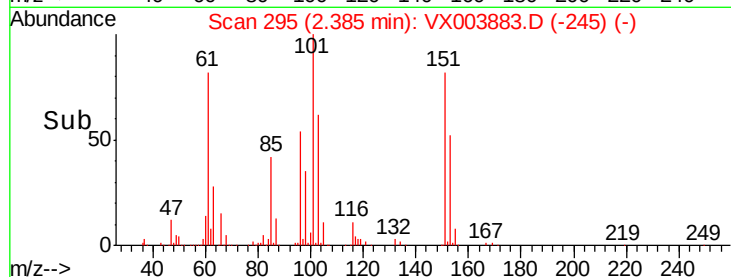
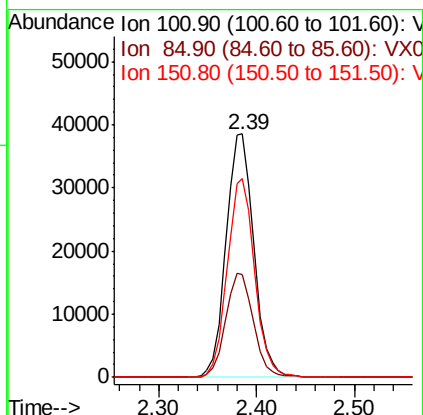
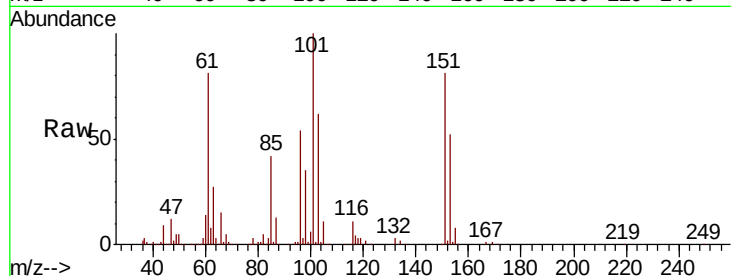
ClientSampleId :

VX0807WBSD01

Tot Ion:	101	Resp:	75864
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	80.3	65.0	97.4

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#10

Methyl Iodide

Concen: 18.87 ug/l

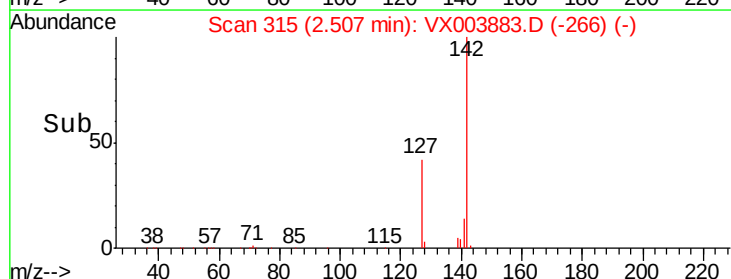
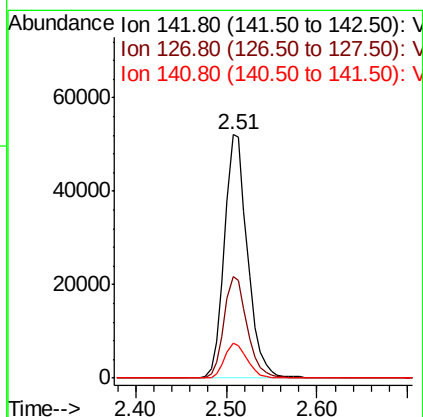
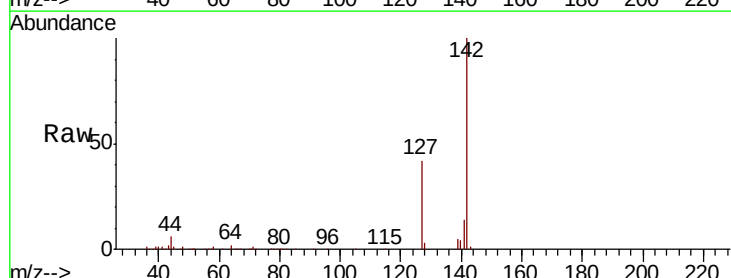
RT: 2.51 min Scan# 315

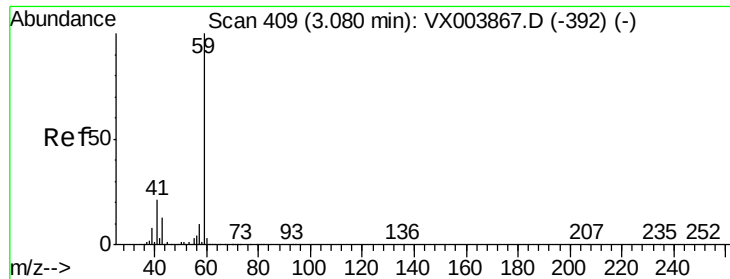
Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Tgt Ion:	142	Resp:	92631
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.1	49.7
141	14.0	11.1	16.7





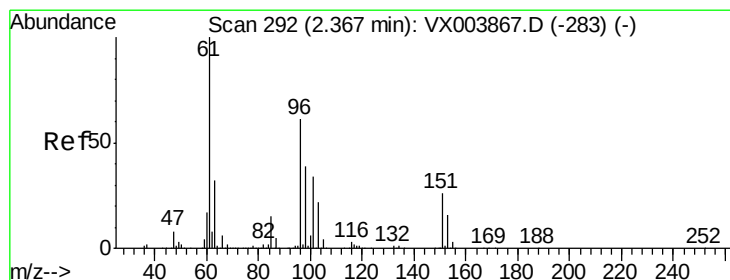
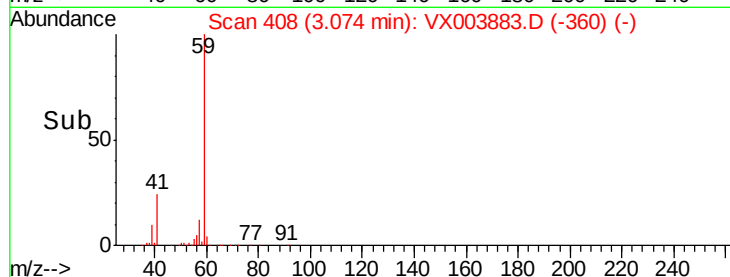
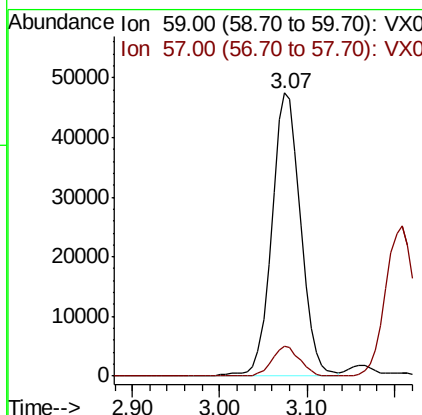
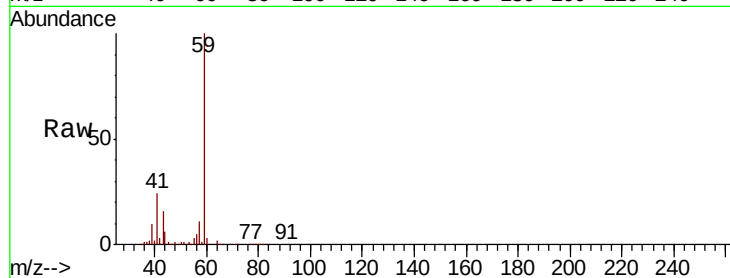
#11
Tert butyl alcohol
Concen: 98.57 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion: 59 Resp: 109174
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1

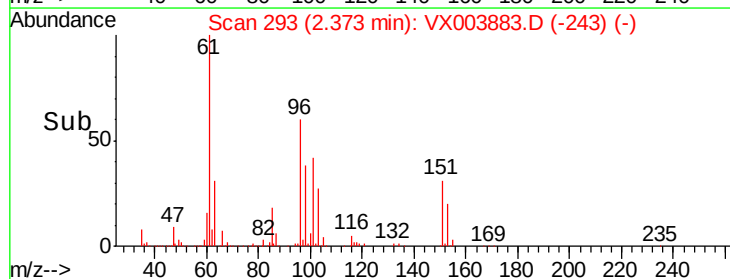
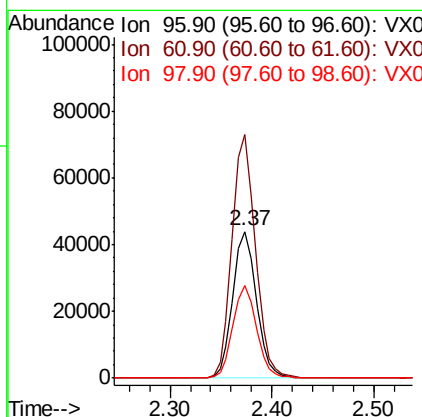
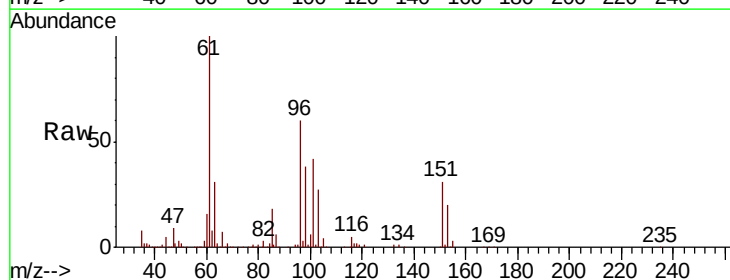
Manual Integrations
APPROVED

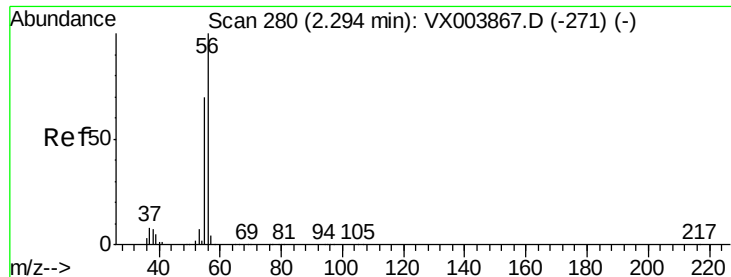
MMDadoda
8/8/2018 12:01:28 PM



#12
1,1-Dichloroethene
Concen: 18.91 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion: 96 Resp: 70569
Ion Ratio Lower Upper
96 100
61 166.1 131.3 196.9
98 63.1 51.8 77.6





#13

Acrolein

Concen: 90.87 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 56 Resp: 54187

Ion Ratio Lower Upper

56 100

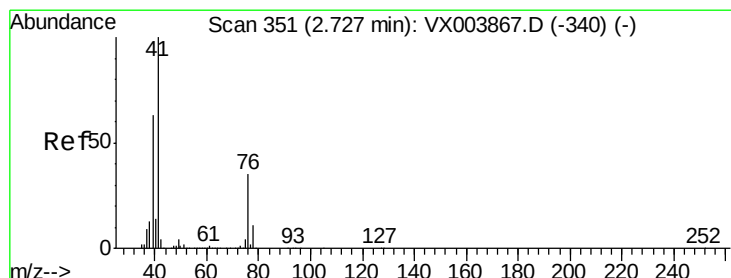
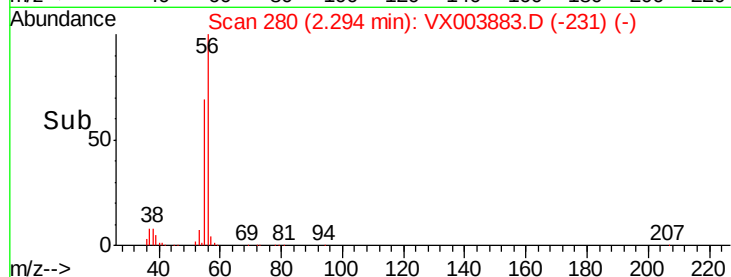
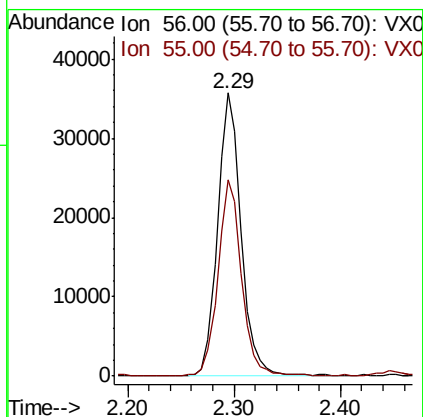
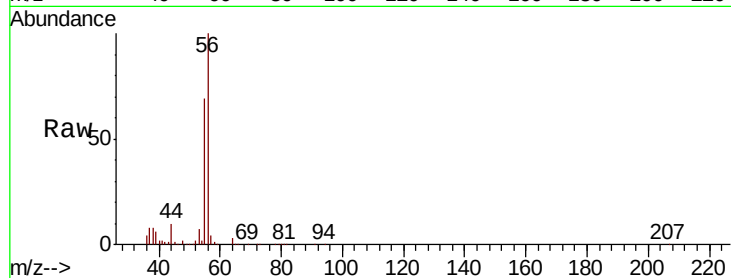
55 69.2 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.74 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

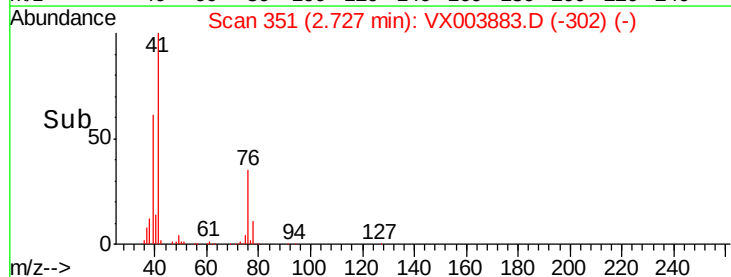
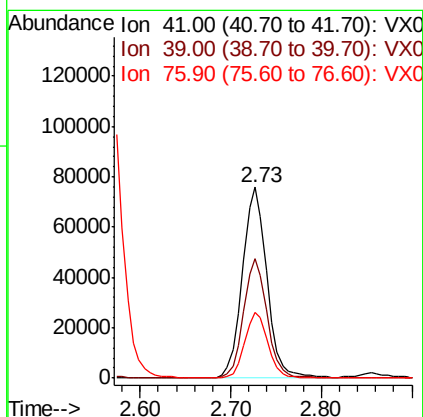
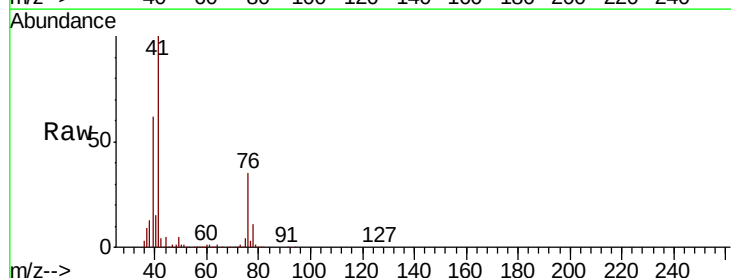
Tgt Ion: 41 Resp: 142017

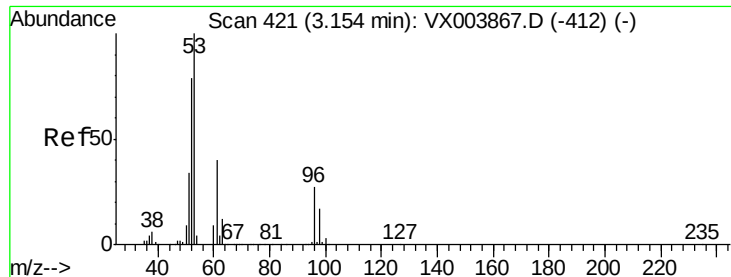
Ion Ratio Lower Upper

41 100

39 59.5 47.4 71.0

76 32.6 26.0 39.0





#15

Acrylonitrile

Concen: 97.46 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

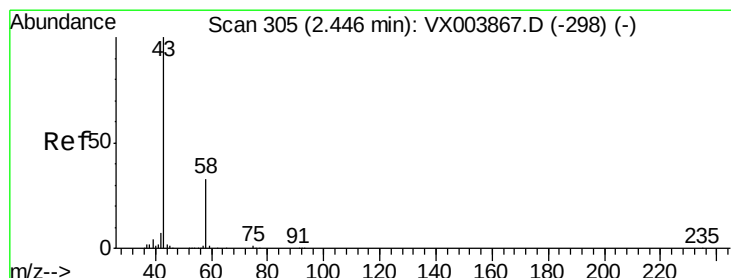
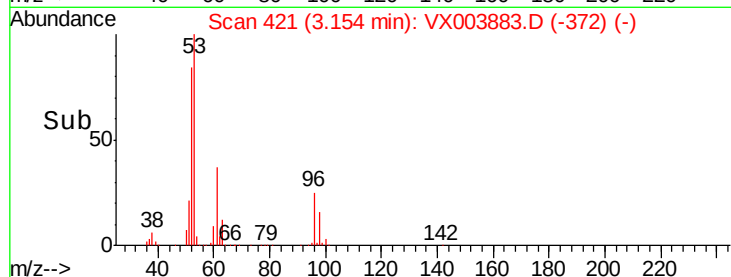
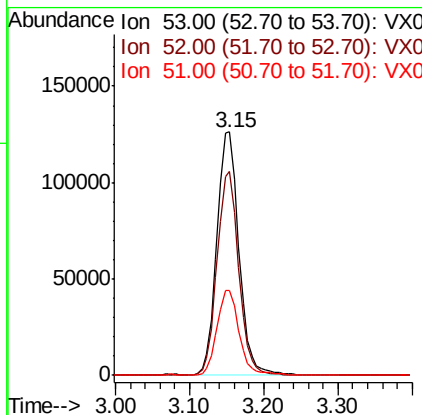
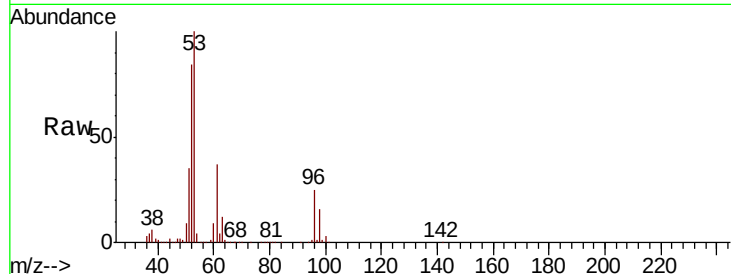
ClientSampleId :

VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.3	97.9
51	35.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 101.64 ug/l

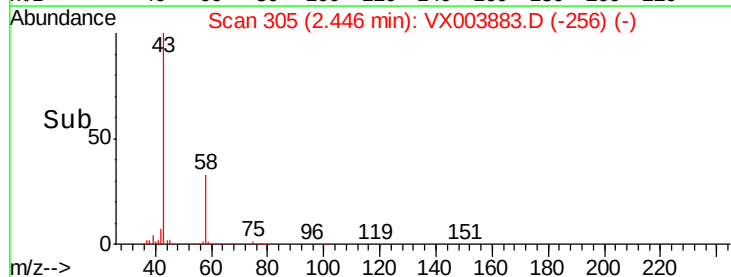
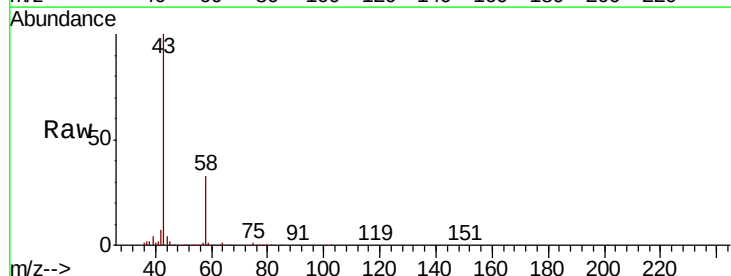
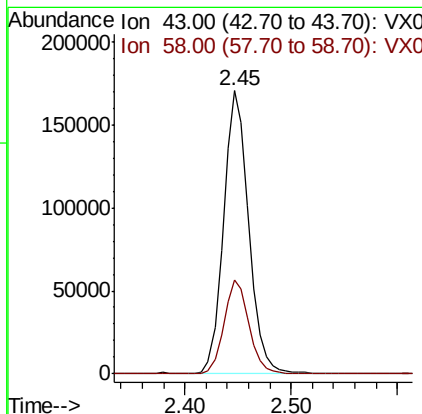
RT: 2.45 min Scan# 305

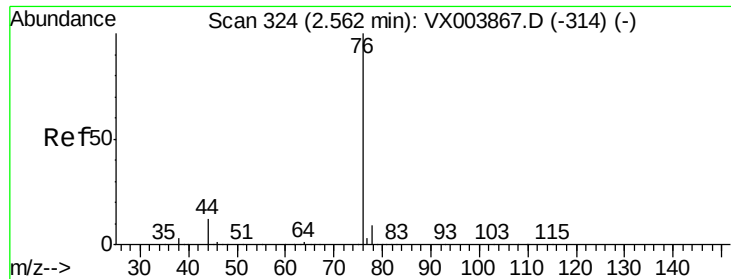
Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.4	39.6





#17

Carbon Disulfide

Concen: 18.71 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 76 Resp: 194985

Ion Ratio Lower Upper

76 100

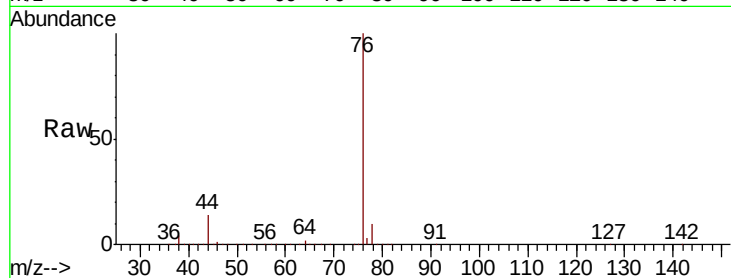
78 9.4 7.5 11.3

Manual Integrations

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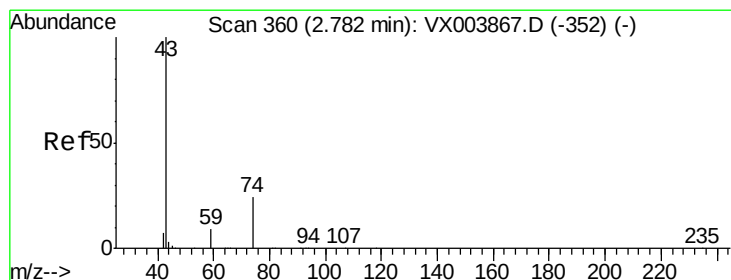
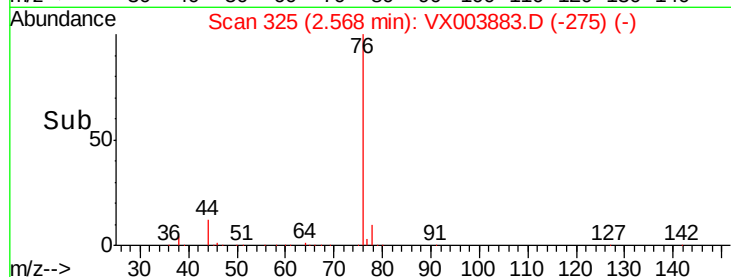
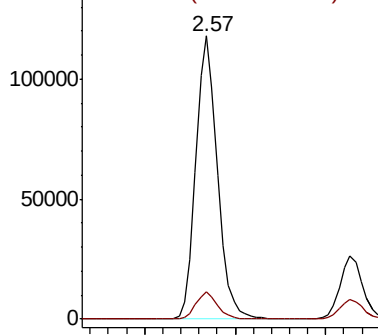
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.29 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003883.D

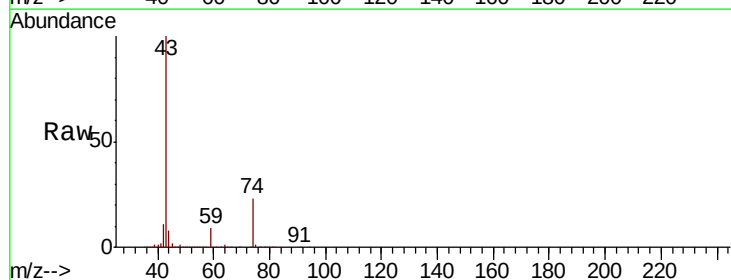
Acq: 07 Aug 2018 16:32

Tgt Ion: 43 Resp: 121173

Ion Ratio Lower Upper

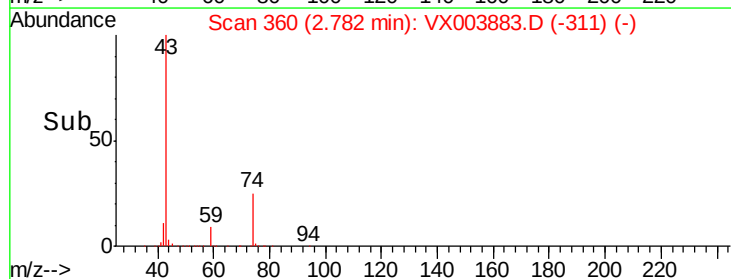
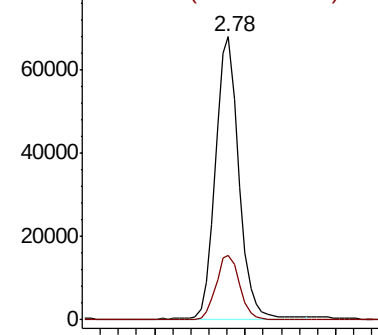
43 100

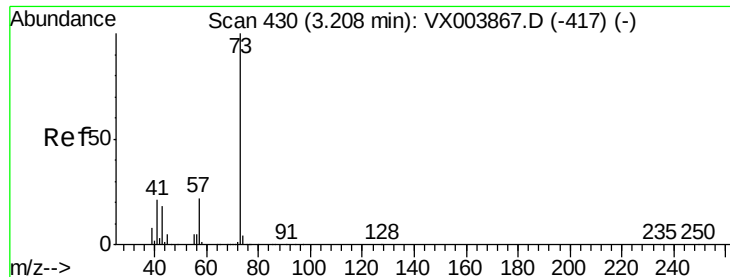
74 23.2 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





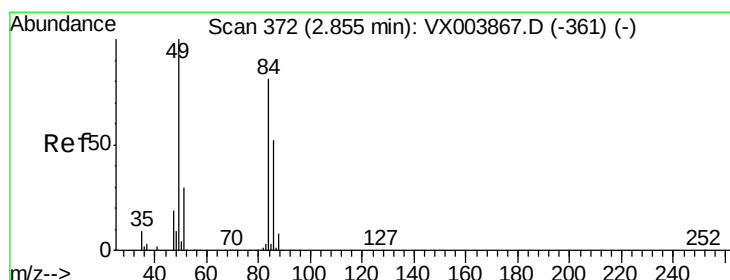
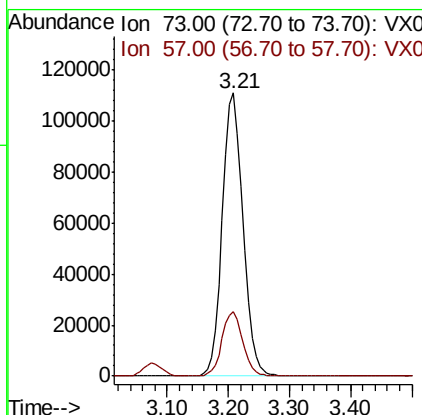
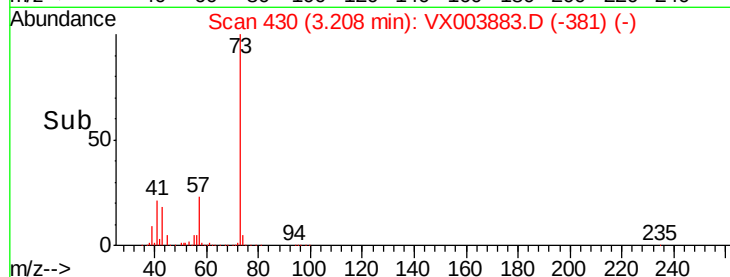
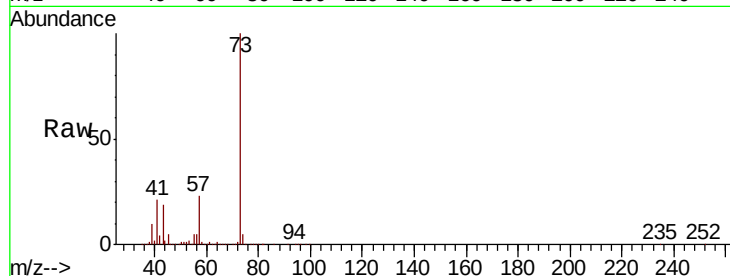
#19
Methyl tert-butyl Ether
Concen: 19.68 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	73	Resp	260251
Ion Ratio	Lower	Upper	
73	100		
57	22.6	18.0	27.0

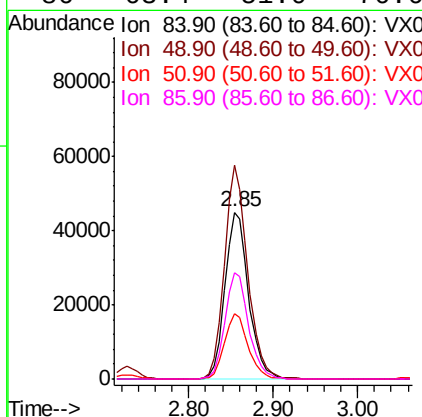
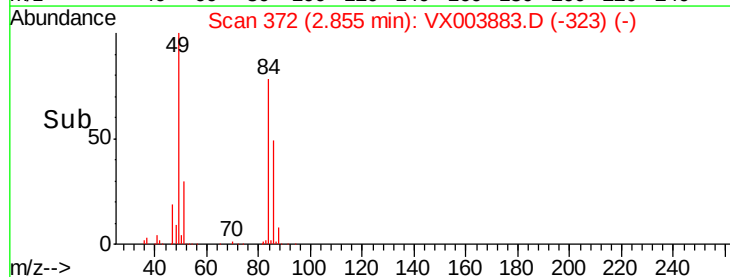
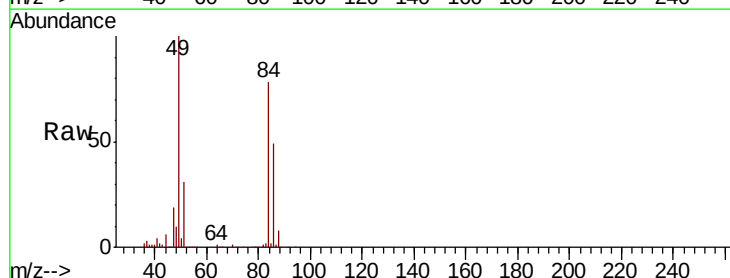
Manual Integrations
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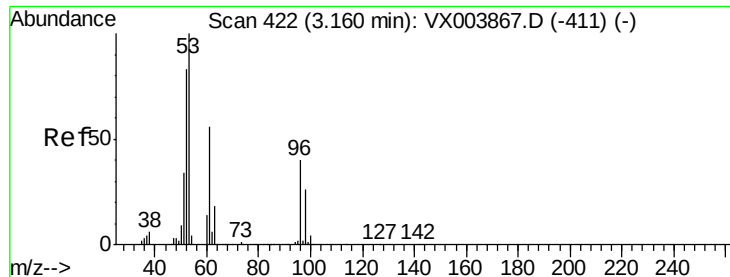
MMDadoda
8/8/2018 12:01:28 PM



#20
Methylene Chloride
Concen: 18.84 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion	84	Resp	86341
Ion Ratio	Lower	Upper	
84	100		
49	128.1	98.9	148.3
51	39.0	29.9	44.9
86	63.4	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.66 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

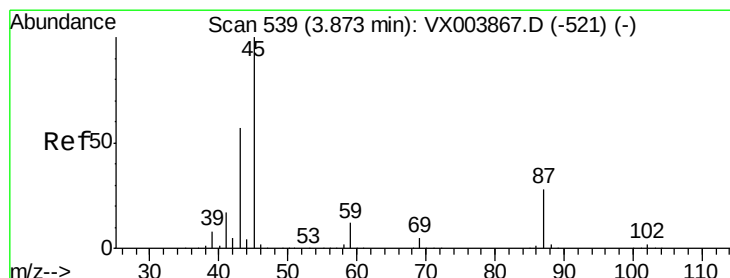
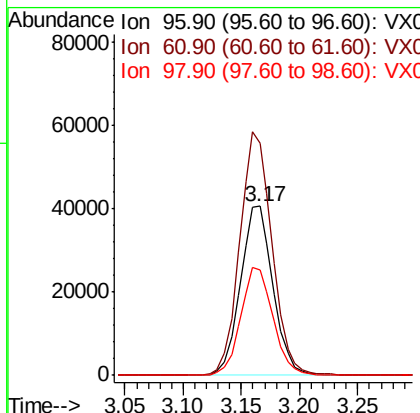
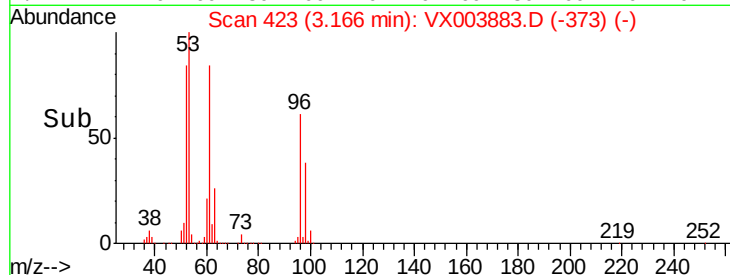
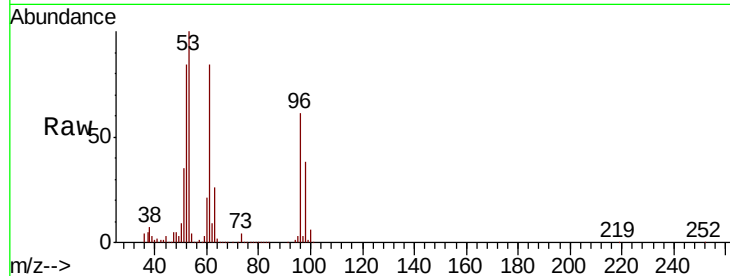
ClientSampleId :

VX0807WBSD01

Tot Ion:	96	Resp:	79077
Ion	Ratio	Lower	Upper
96	100		
61	137.3	111.8	167.6
98	62.3	51.8	77.6

Manual Integrations
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8/8/2018 12:01:28 PM



#22

Diisopropyl ether

Concen: 19.26 ug/l

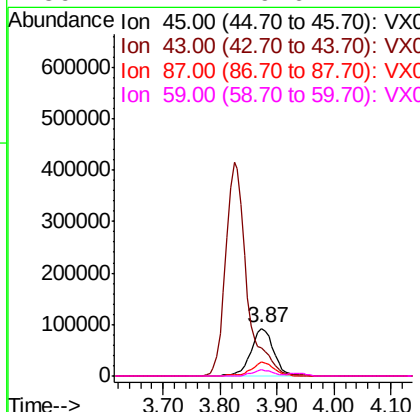
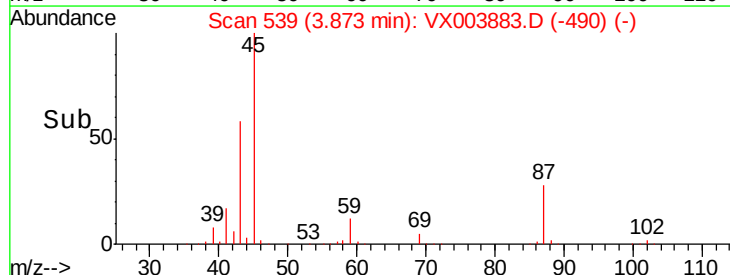
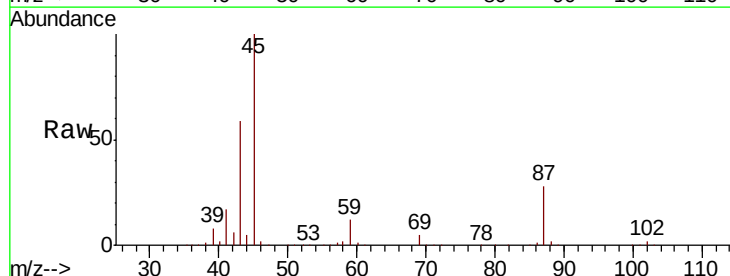
RT: 3.87 min Scan# 539

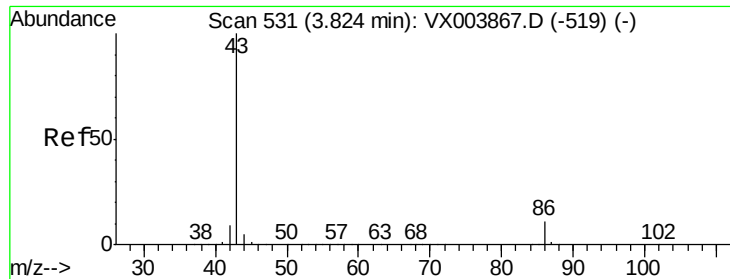
Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Tgt Ion:	45	Resp:	254721
Ion	Ratio	Lower	Upper
45	100		
43	58.4	45.3	67.9
87	28.5	22.7	34.1
59	12.4	9.6	14.4





#23

Vinyl Acetate

Concen: 97.35 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 43 Resp: 1071221

Ion Ratio Lower Upper

43 100

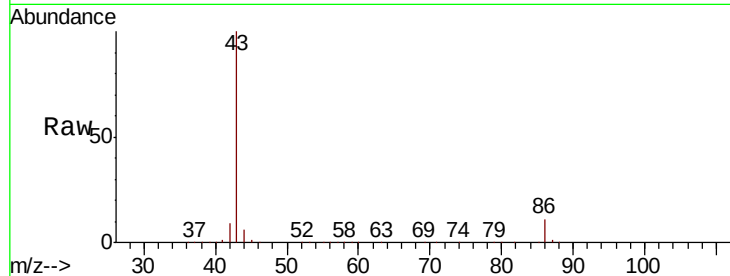
86 11.0 8.9 13.3

Manual Integrations

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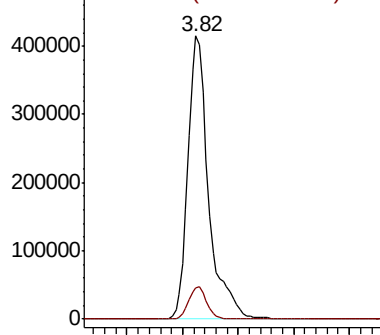
MMDadoda

8/8/2018 12:01:28 PM

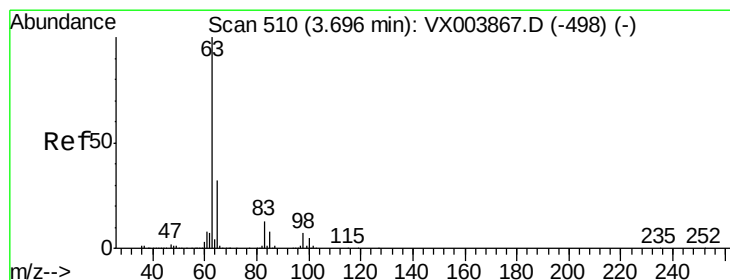
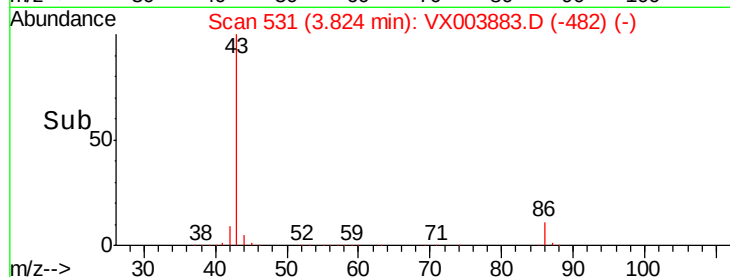


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 19.64 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

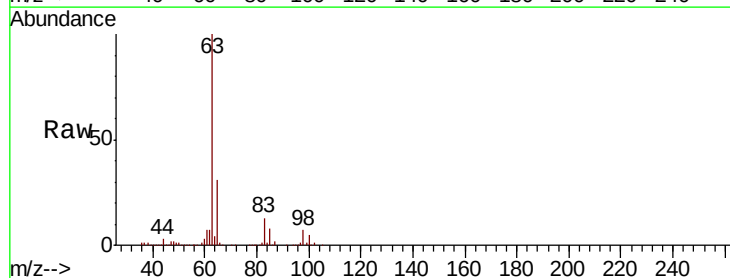
Tgt Ion: 63 Resp: 154275

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

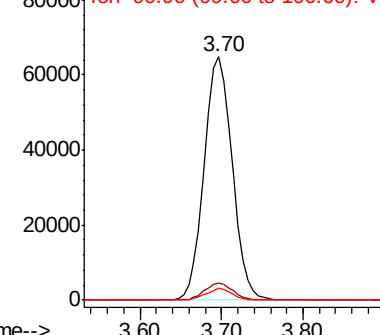
100 4.7 2.3 6.8



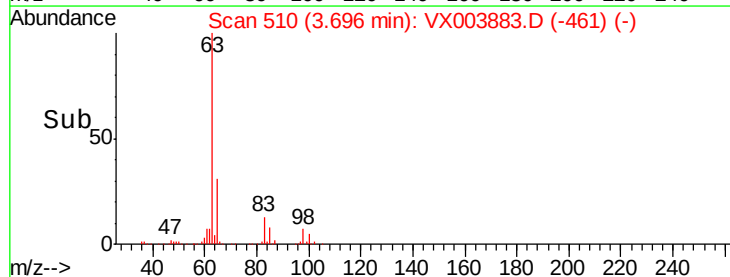
Abundance Ion 62.90 (62.60 to 63.60): VX0

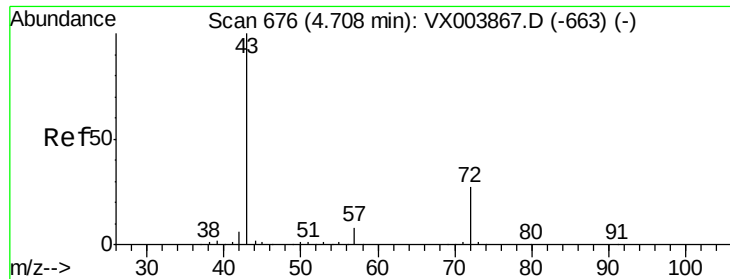
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 99.85 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 43 Resp: 411673

Ion Ratio Lower Upper

43 100

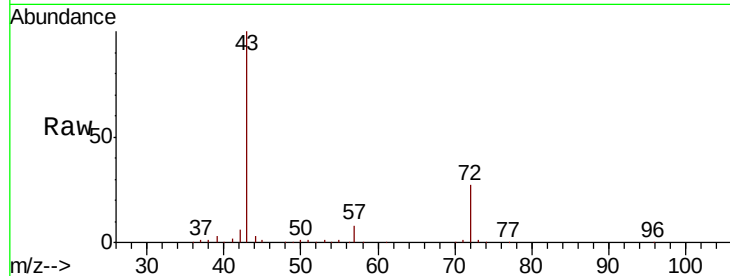
72 27.0 21.4 32.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

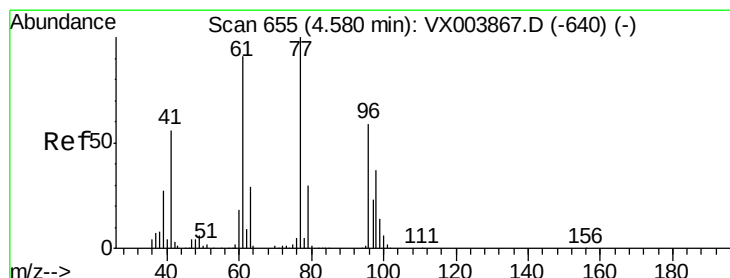
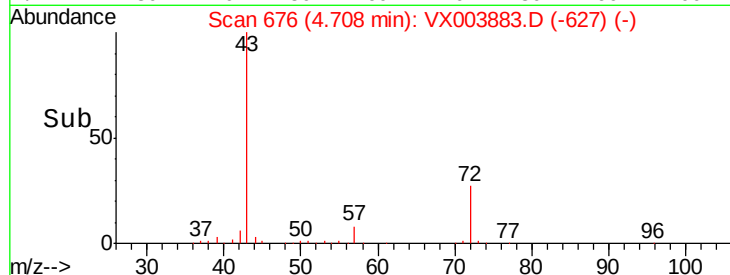
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.88 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX003883.D

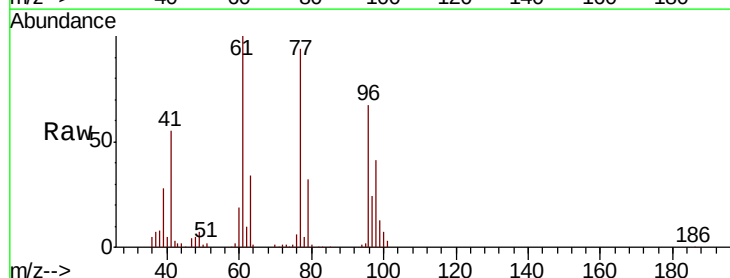
Acq: 07 Aug 2018 16:32

Tgt Ion: 77 Resp: 112603

Ion Ratio Lower Upper

77 100

97 23.4 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

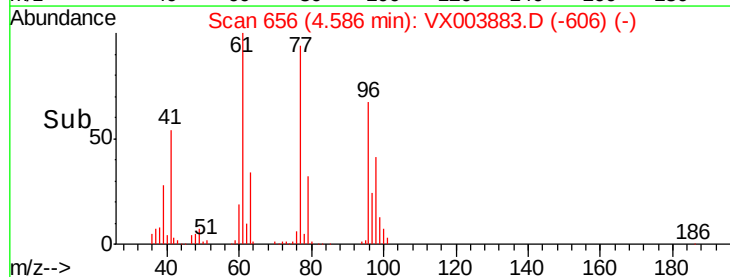
20000

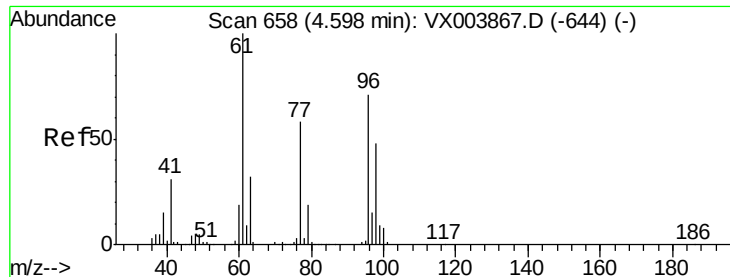
10000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.06 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

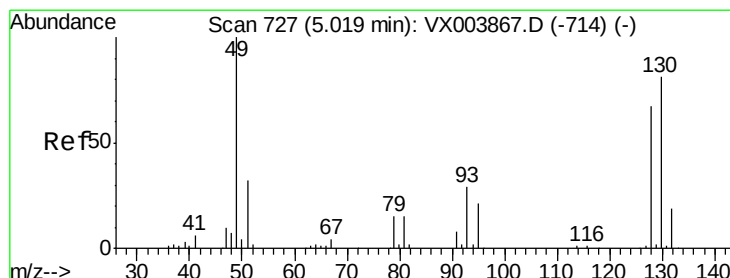
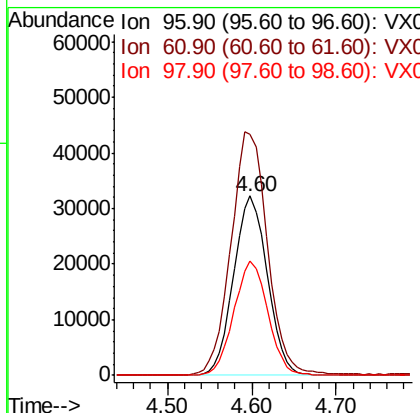
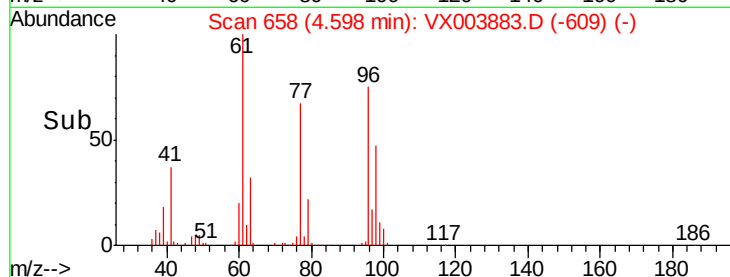
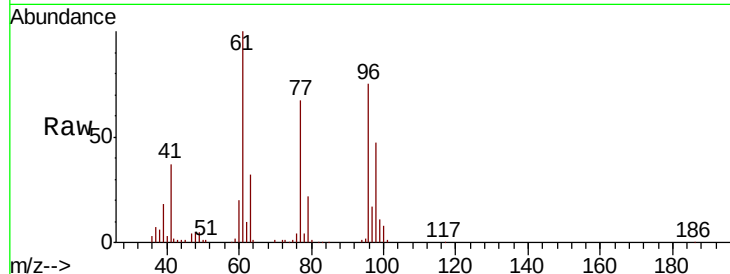
ClientSampleId :

VX0807WBSD01

Tot Ion:	96	Resp:	87635
Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	293.0
98	63.8	0.0	131.8

Manual Integrations
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8/8/2018 12:01:28 PM



#28

Bromochloromethane

Concen: 20.37 ug/l

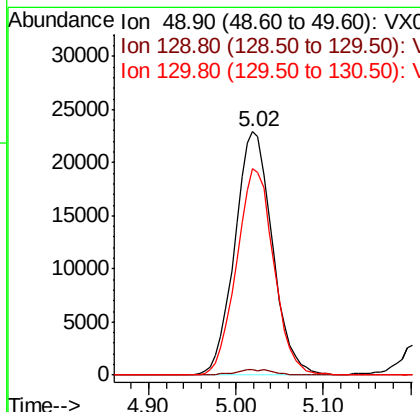
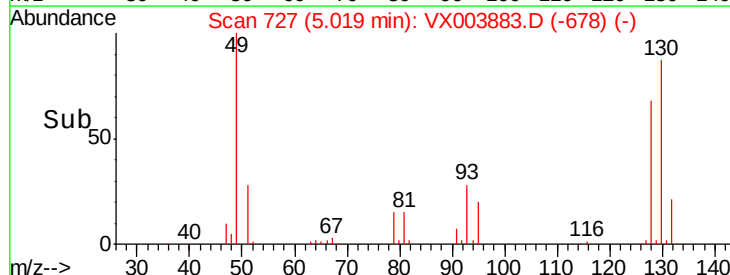
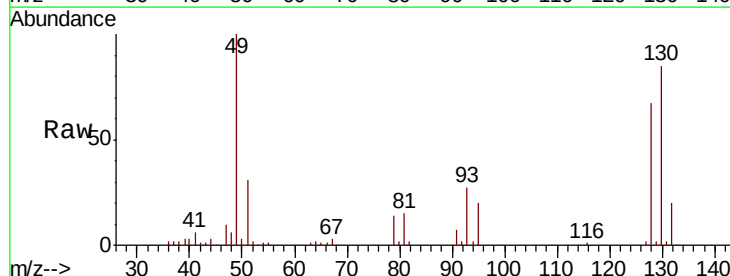
RT: 5.02 min Scan# 727

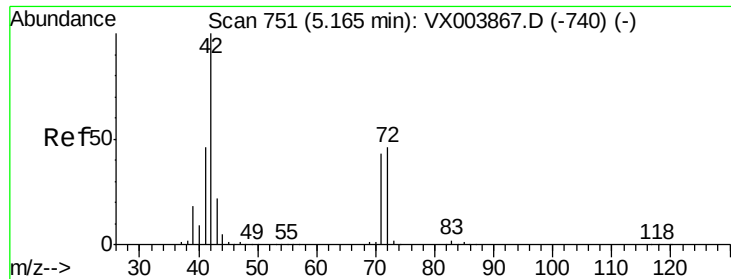
Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Tgt Ion:	49	Resp:	68487
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	83.5	66.5	99.7





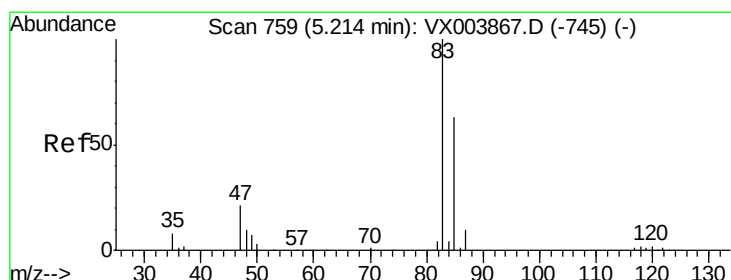
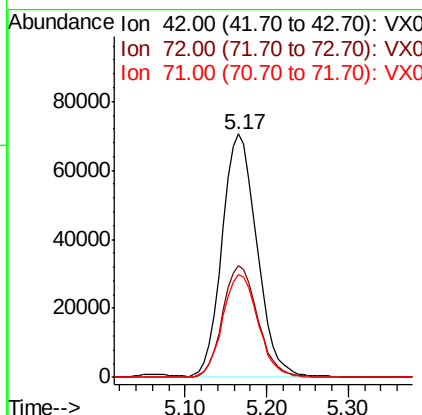
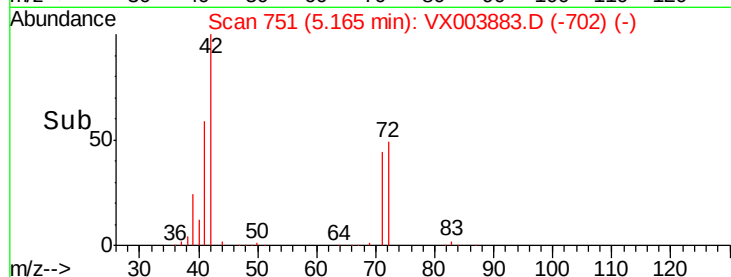
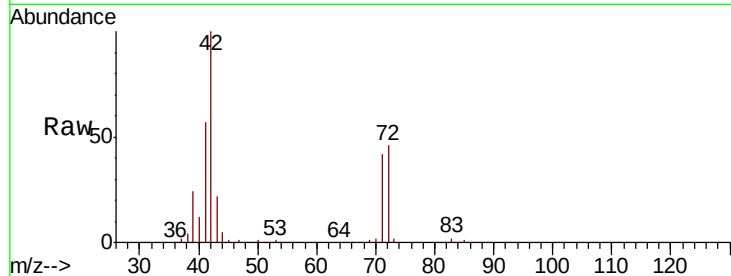
#29
Tetrahydrofuran
Concen: 97.96 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.7	56.5
71	43.2	35.0	52.6

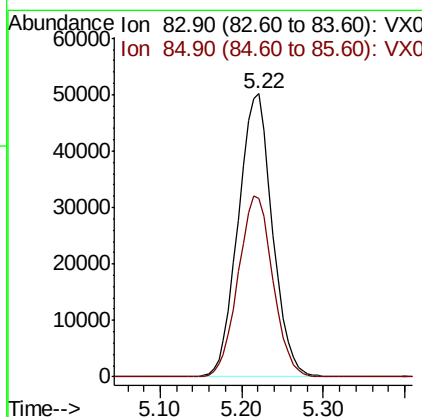
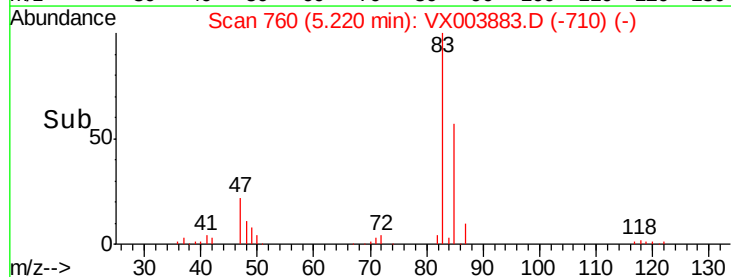
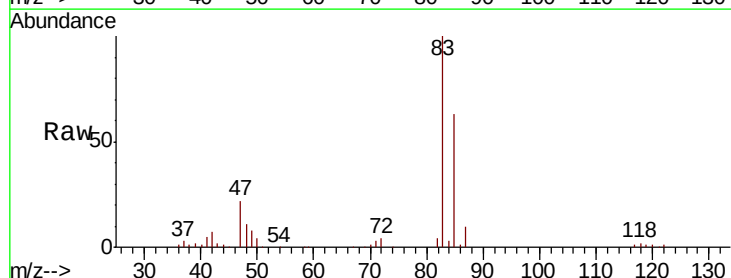
Manual Integrations
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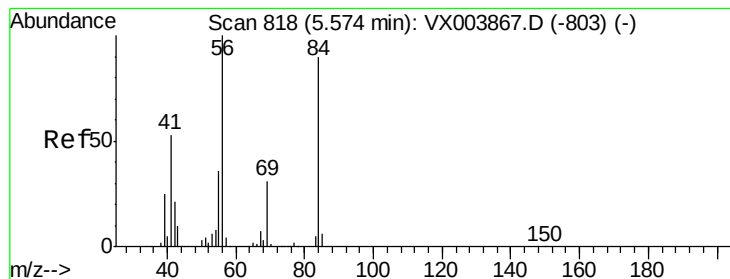
MMDadoda
8/8/2018 12:01:28 PM



#30
Chloroform
Concen: 19.74 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.7	76.1





#31

Cyclohexane

Concen: 18.86 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

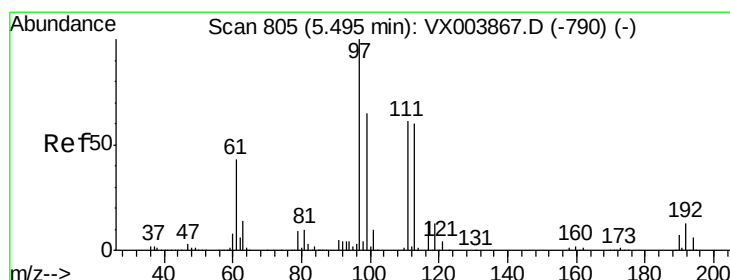
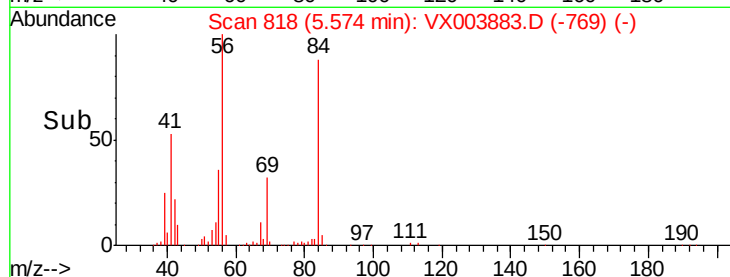
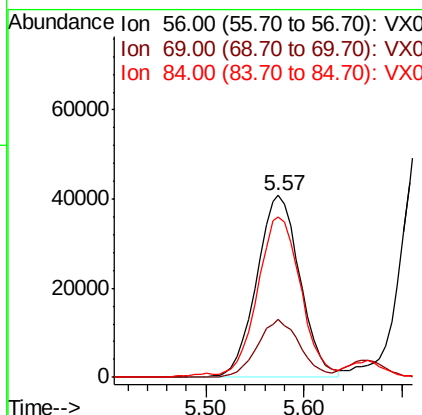
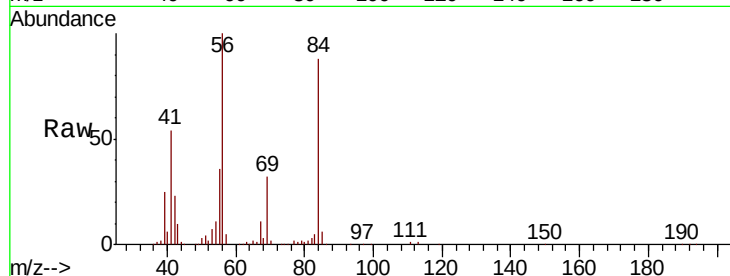
ClientSampled :

VX0807WBSD01

Tot Ion:	56	Resp:	125325
Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.9	37.3
84	86.9	71.7	107.5

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#32

1,1,1-Trichloroethane

Concen: 19.78 ug/l

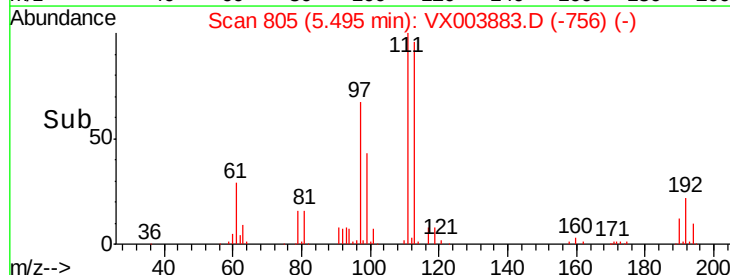
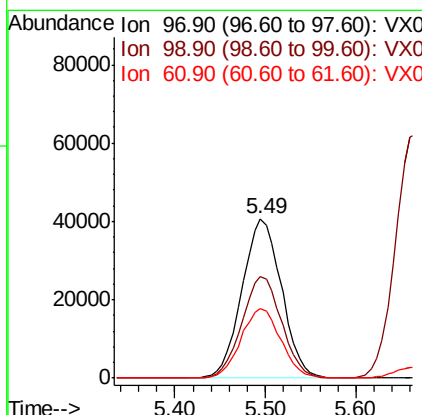
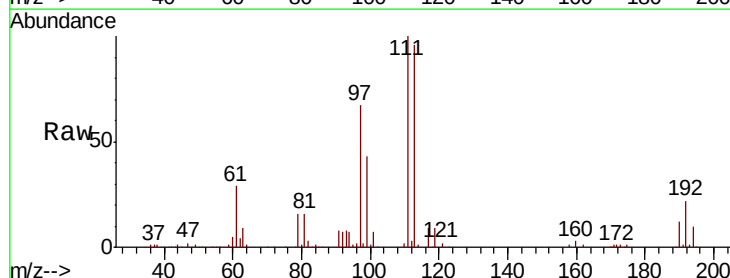
RT: 5.49 min Scan# 805

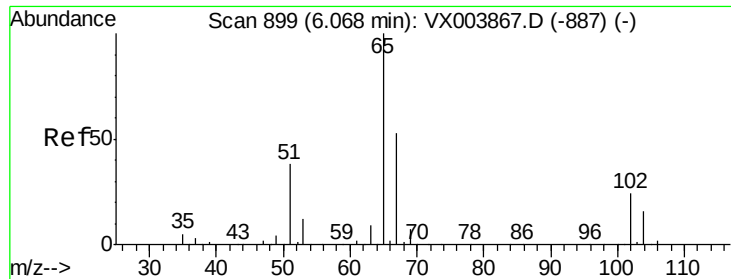
Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Tgt Ion:	97	Resp:	122688
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.8
61	44.2	34.4	51.6





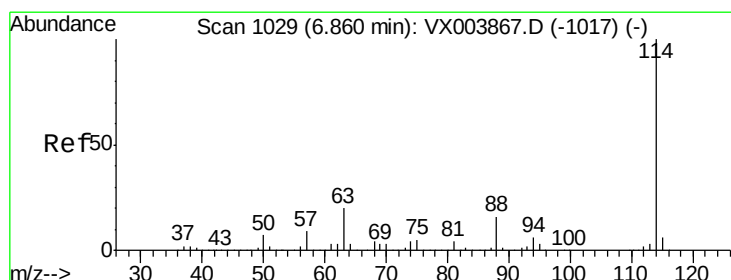
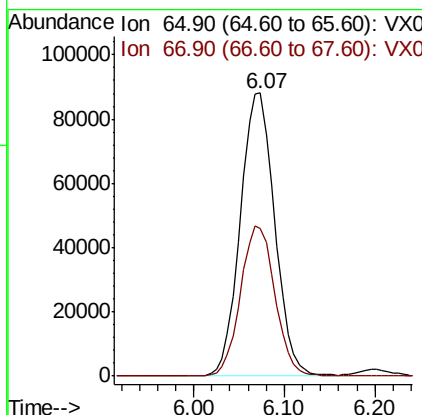
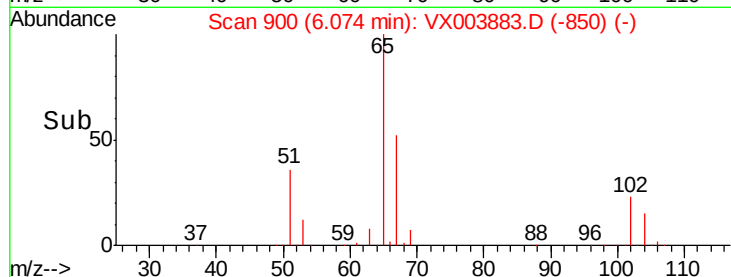
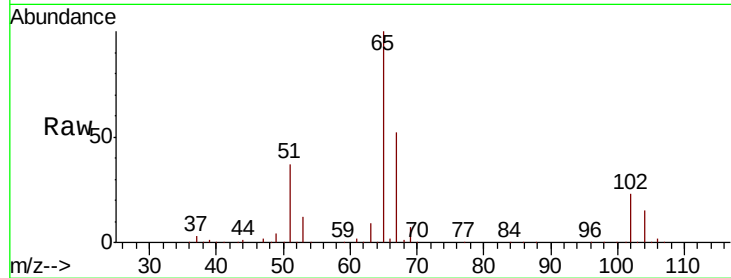
#33
 1,2-Dichloroethane-d4
 Concen: 50.30 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion: 65 Resp: 231875
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.8

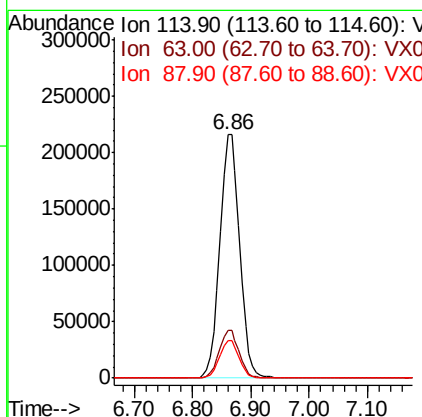
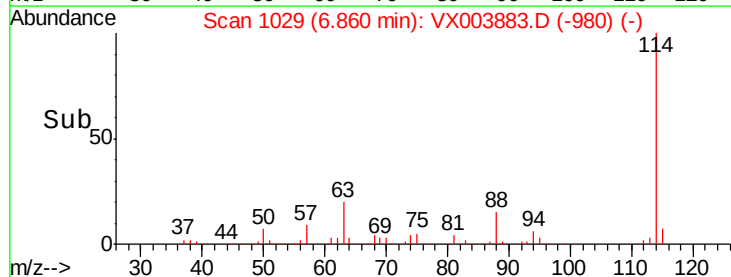
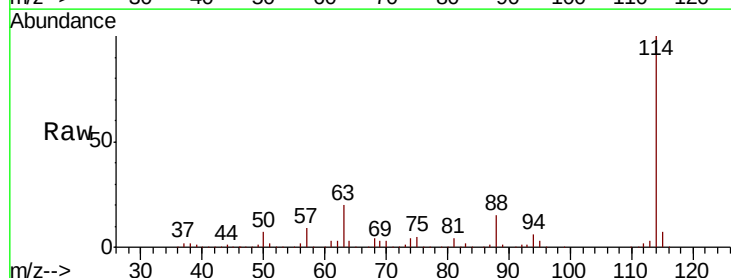
Manual Integrations
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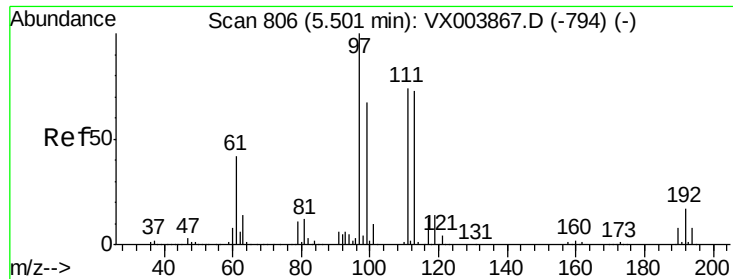
MMDadoda
 8/8/2018 12:01:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Tgt Ion: 114 Resp: 509608
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.3 0.0 32.0





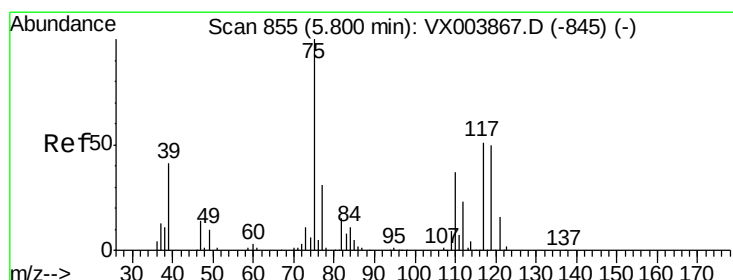
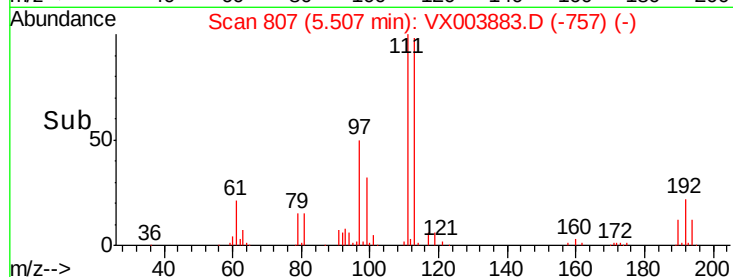
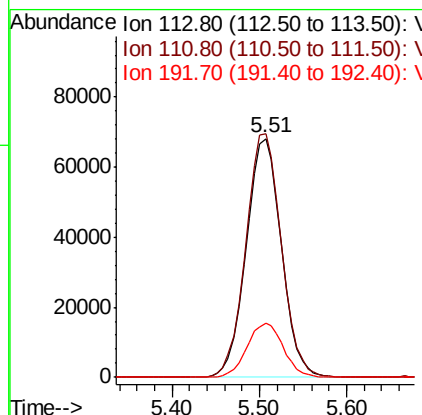
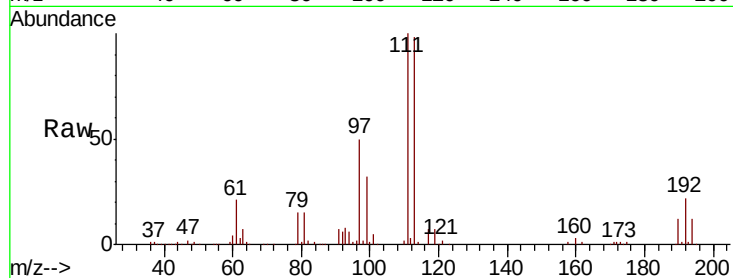
#35
Dibromofluoromethane
Concen: 49.40 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	190701		
111	102.8	82.0	123.0	
192	23.3	19.0	28.4	

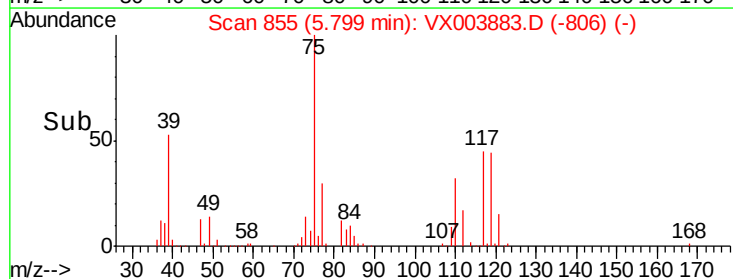
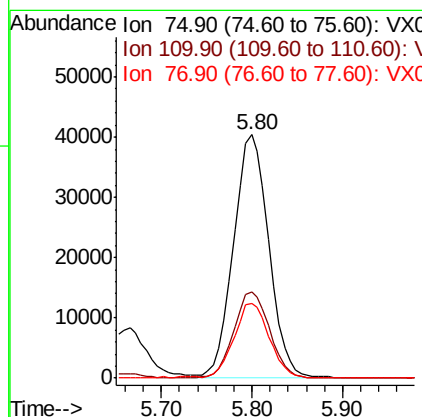
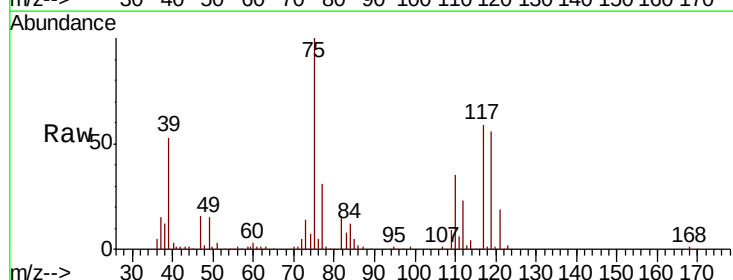
Manual Integrations
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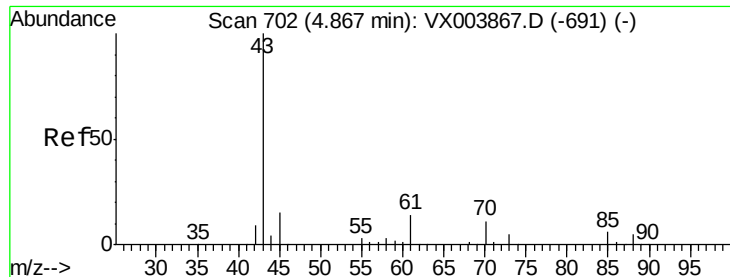
MMDadoda
8/8/2018 12:01:28 PM



#36
1,1-Dichloropropene
Concen: 19.02 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	108536		
110	36.1	18.2	54.6	
77	31.0	25.0	37.4	





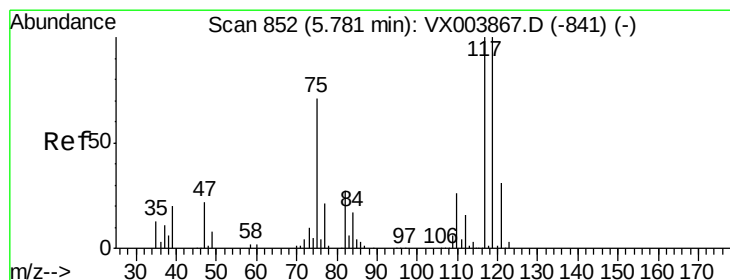
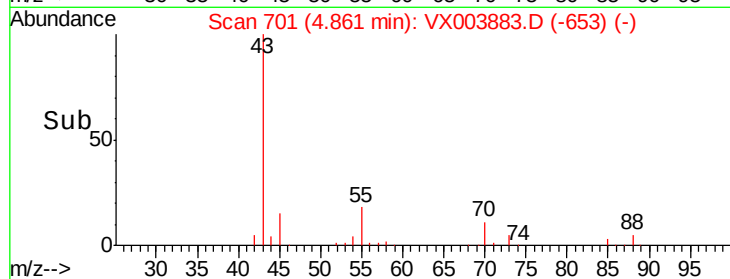
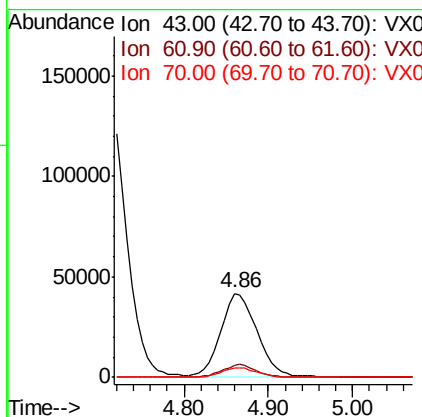
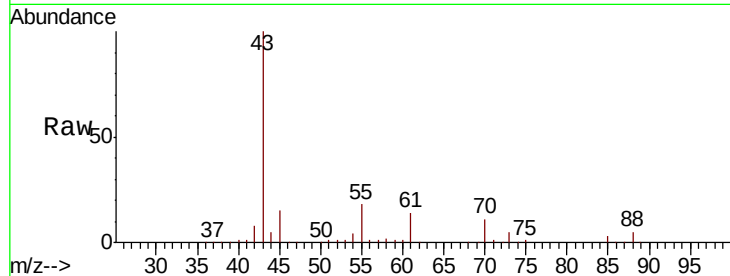
#37
Ethyl Acetate
Concen: 19.45 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion:	43	Resp:	122142
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.5	17.3
70	11.3	9.0	13.4

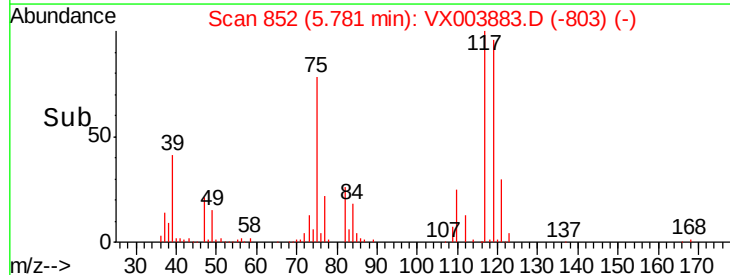
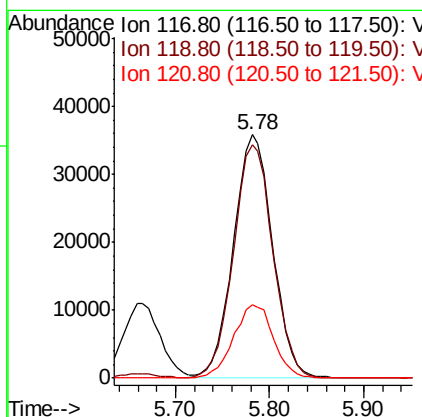
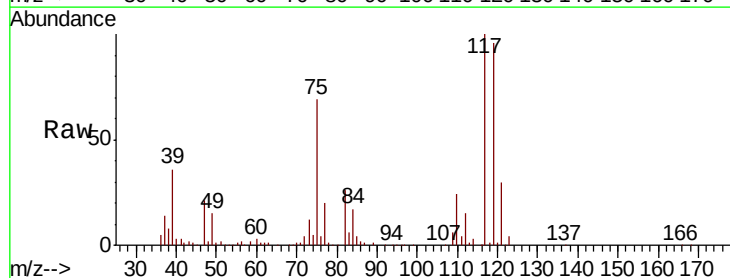
Manual Integrations
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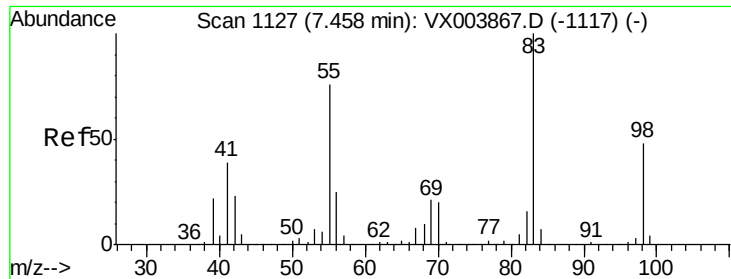
MMDadoda
8/8/2018 12:01:28 PM



#38
Carbon Tetrachloride
Concen: 19.15 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion:	117	Resp:	104038
Ion	Ratio	Lower	Upper
117	100		
119	95.9	79.5	119.3
121	30.4	25.0	37.4





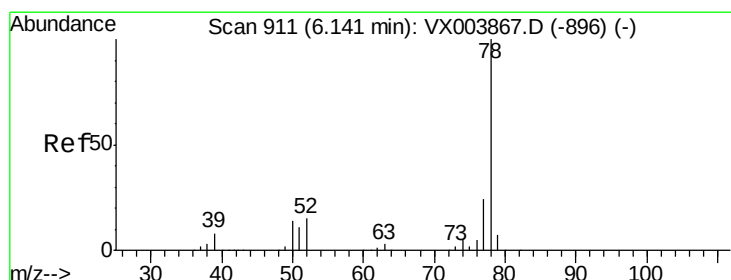
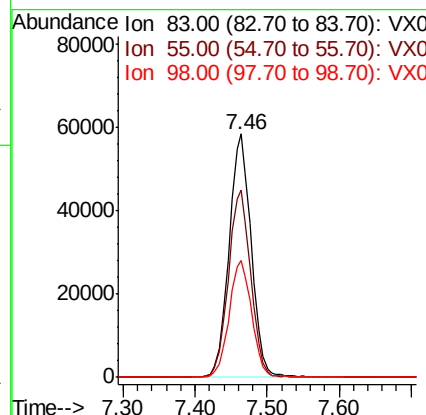
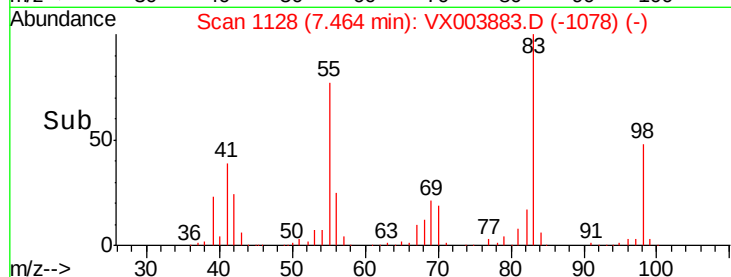
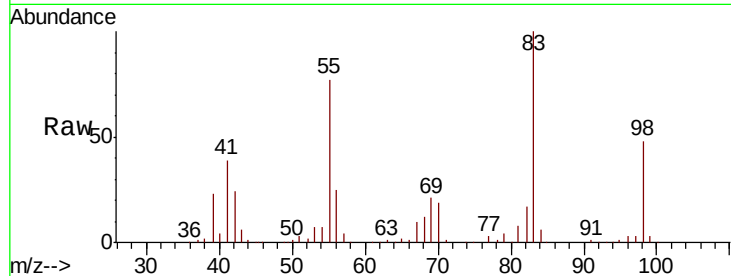
#39
Methylvlcyclohexane
Concen: 18.63 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.0	61.0	91.6	
98	47.9	38.6	57.8	

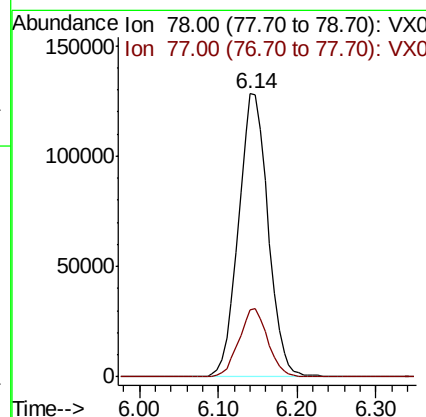
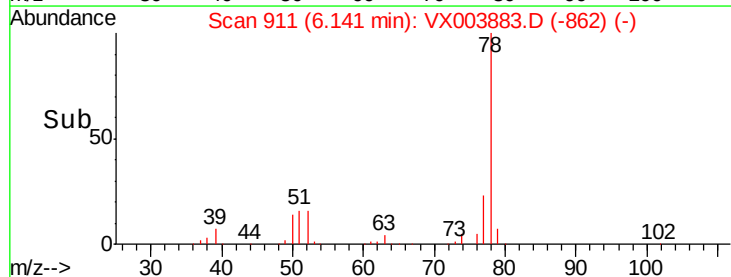
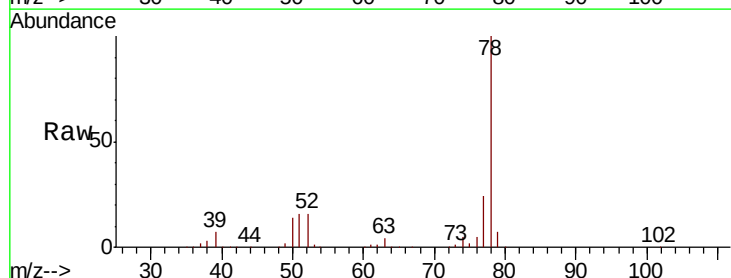
Manual Integrations
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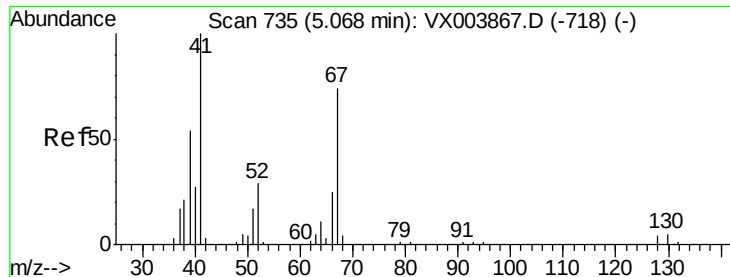
MMDadoda
8/8/2018 12:01:28 PM



#40
Benzene
Concen: 19.56 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.4	





#41

Methacrylonitrile

Concen: 19.33 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

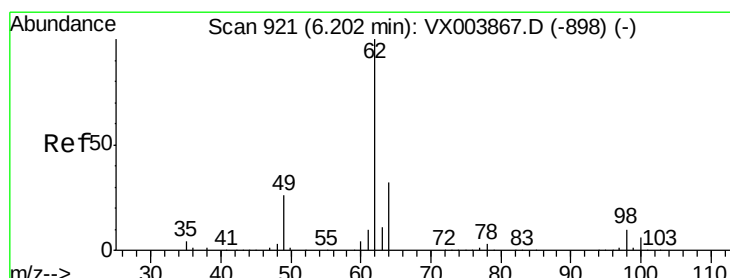
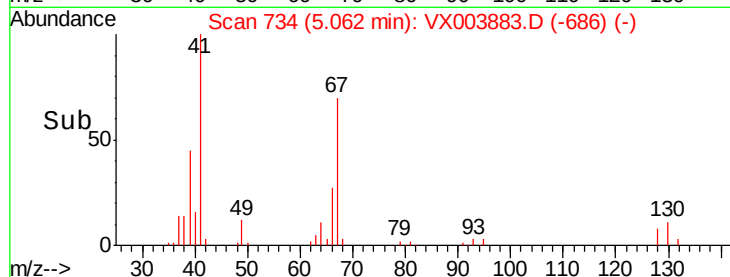
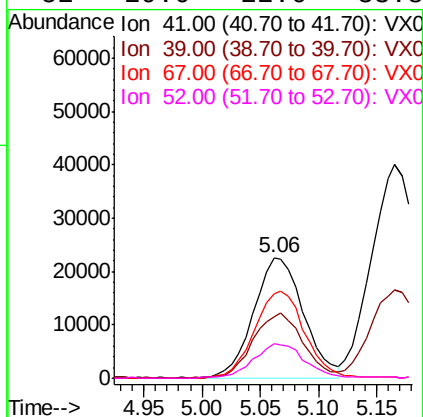
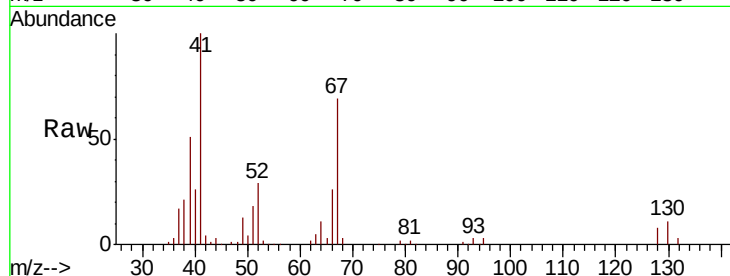
ClientSampleId :

VX0807WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	42.7	64.1	
67	73.6	58.9	88.3	
52	29.0	22.6	33.8	

Manual Integrations
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8/8/2018 12:01:28 PM



#42

1,2-Dichloroethane

Concen: 20.05 ug/l

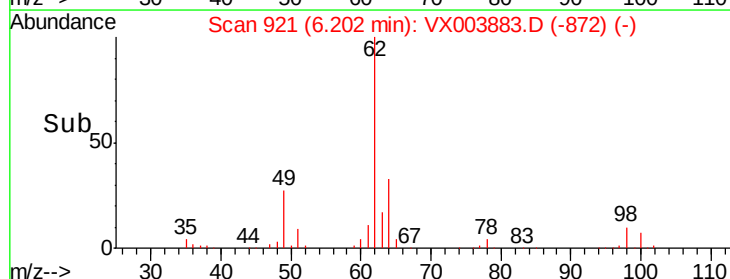
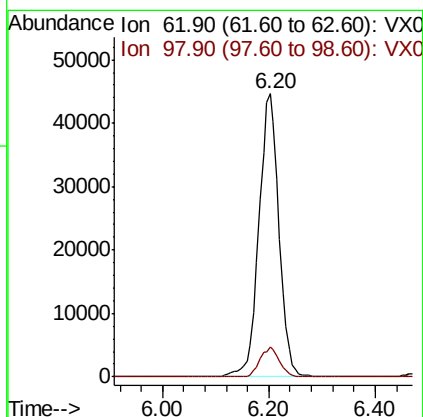
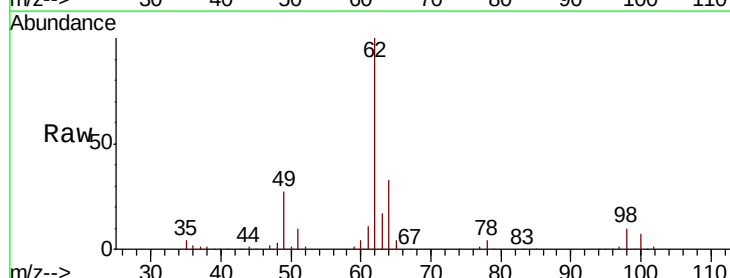
RT: 6.20 min Scan# 921

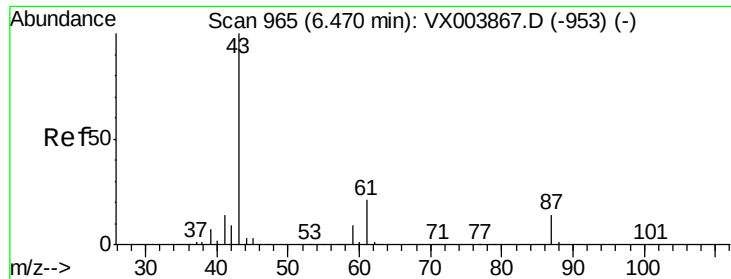
Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.4	





#43

Isopropyl Acetate

Concen: 19.37 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

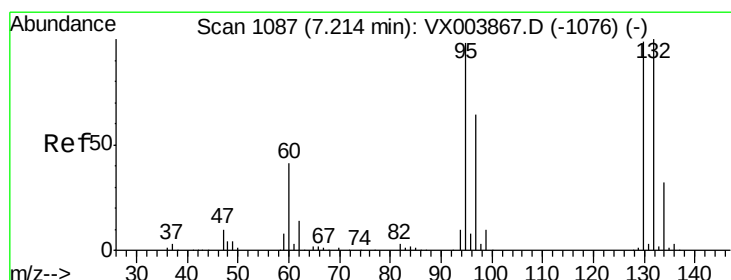
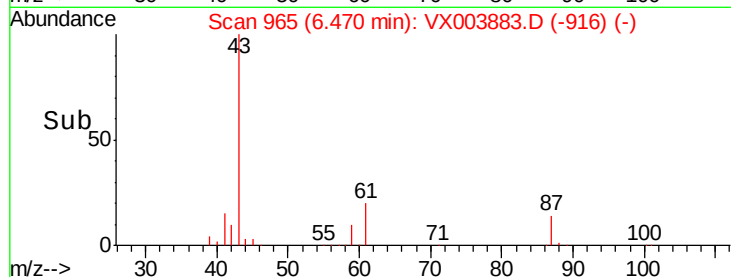
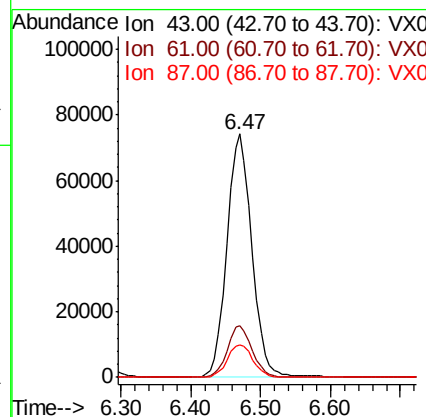
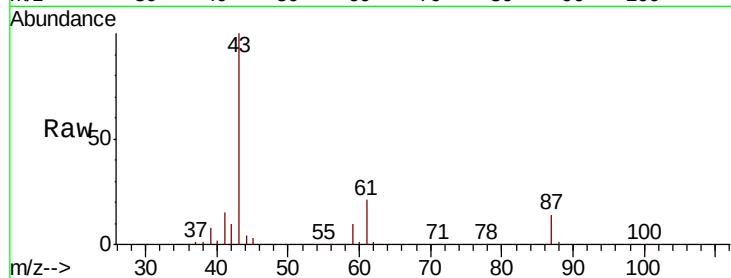
ClientSampleID :

VX0807WBSD01

Tot Ion:	43	Resp:	183016
Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.9	25.3
87	14.0	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 18.79 ug/l

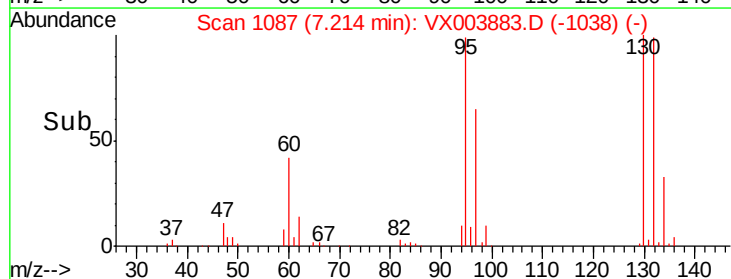
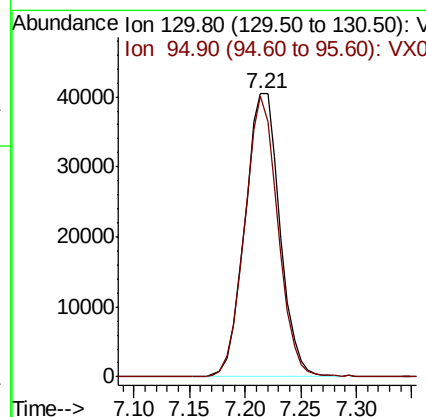
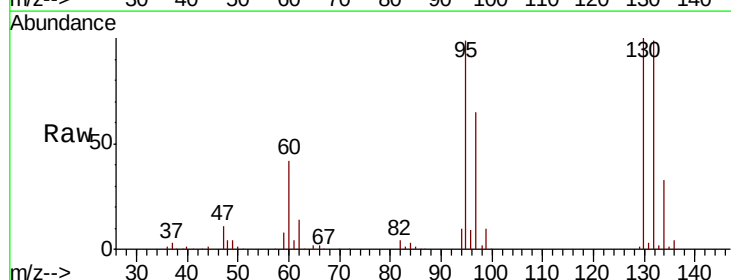
RT: 7.21 min Scan# 1087

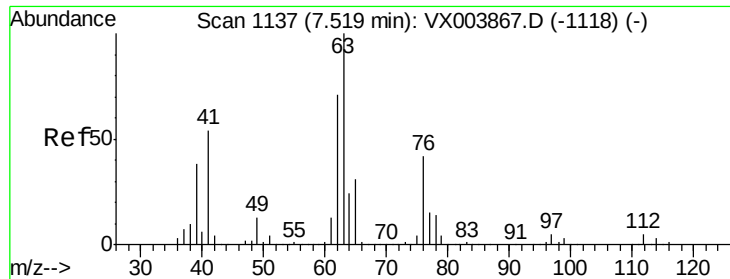
Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Tgt Ion:	130	Resp:	88090
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	199.4





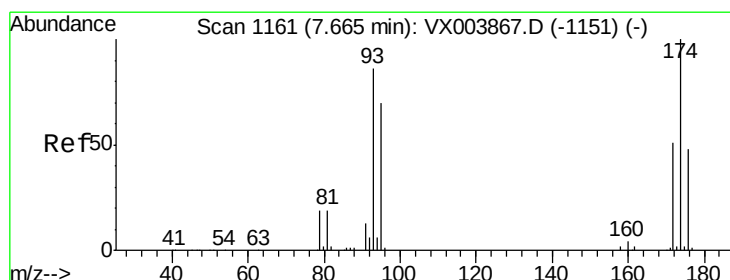
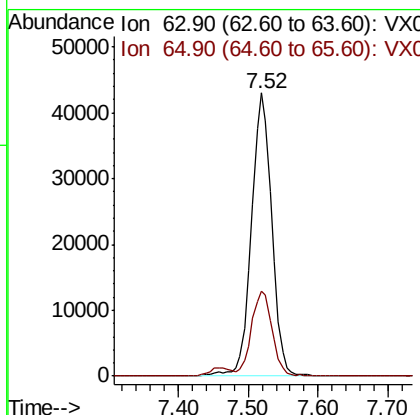
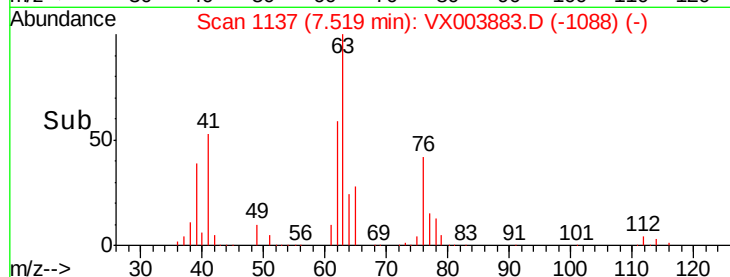
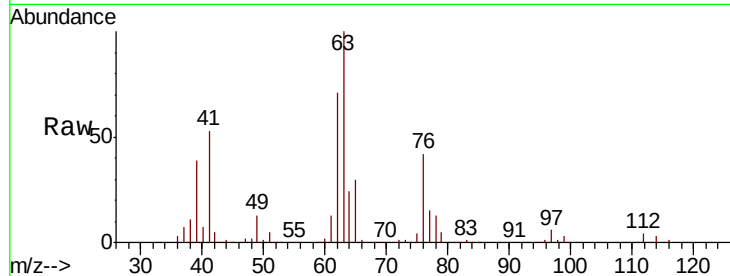
#45
 1,2-Dichloropropane
 Concen: 19.62 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.6	36.8

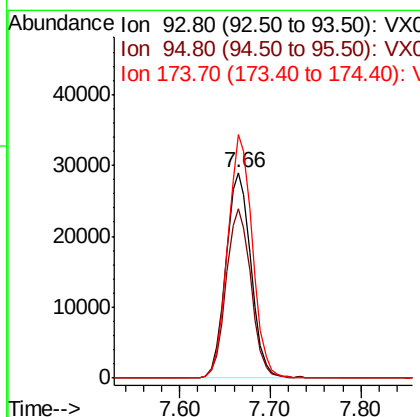
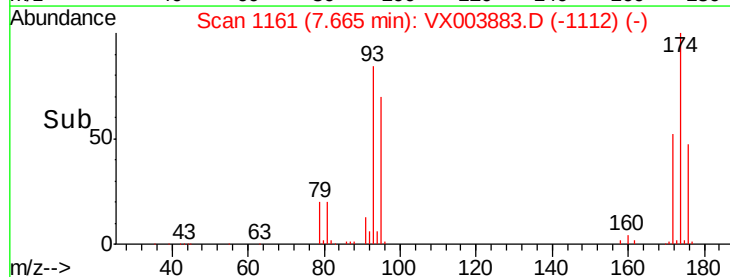
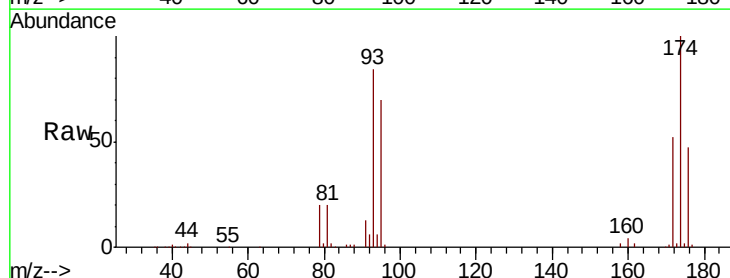
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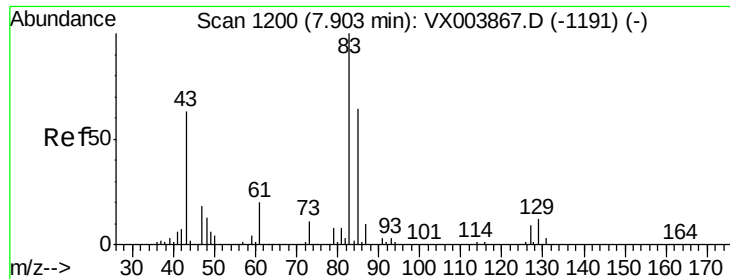
MMDadoda
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#46
 Dibromomethane
 Concen: 19.30 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.4	99.6
174	116.9	94.3	141.5





#47

Bromodichloromethane

Concen: 19.07 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

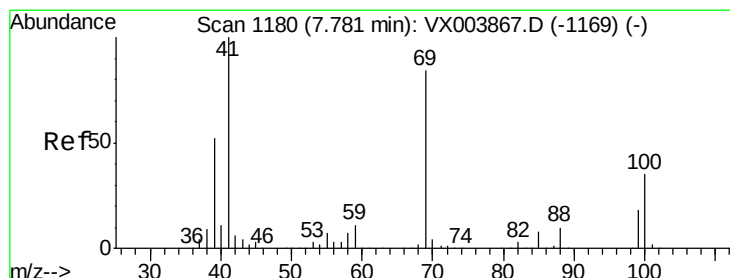
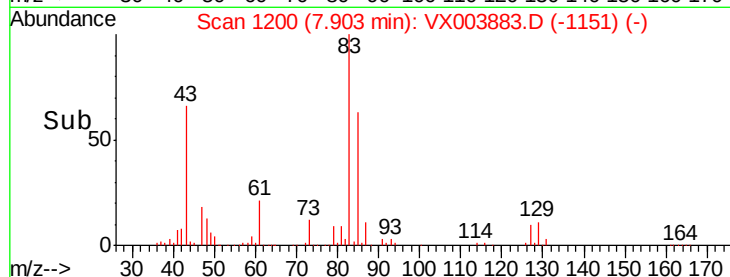
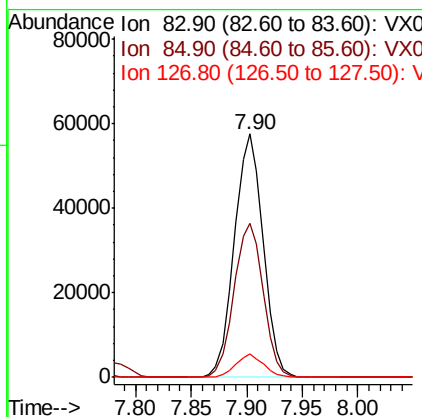
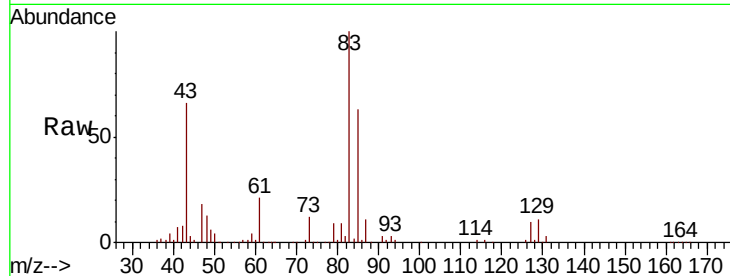
ClientSampleId :

VX0807WBSD01

Tot Ion:	83	Resp:	103239
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.2	76.8
127	9.7	7.2	10.8

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#48

Methyl methacrylate

Concen: 19.38 ug/l

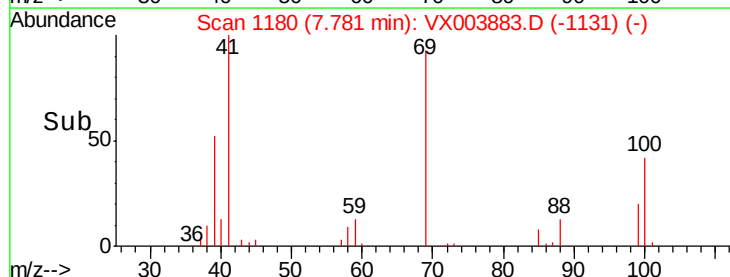
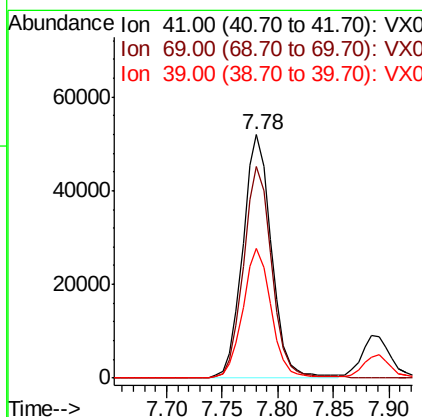
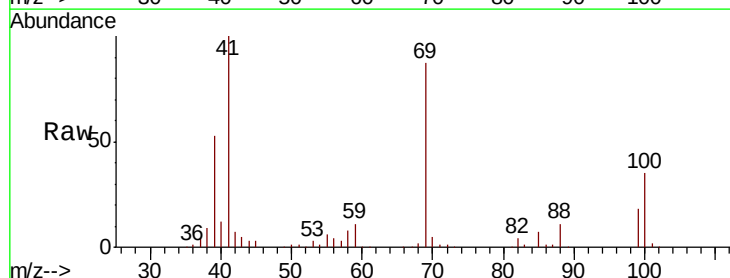
RT: 7.78 min Scan# 1180

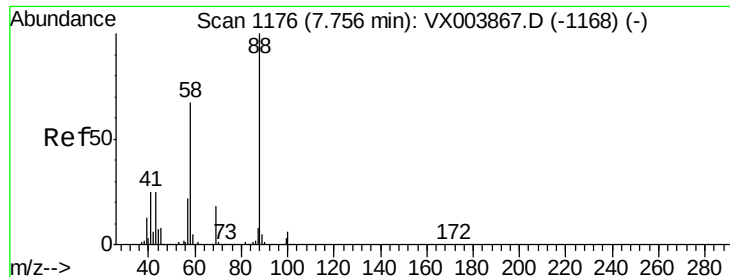
Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Tgt Ion:	41	Resp:	93089
Ion	Ratio	Lower	Upper
41	100		
69	86.1	68.8	103.2
39	52.5	42.3	63.5





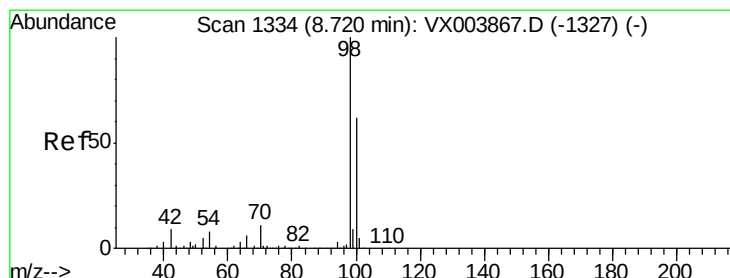
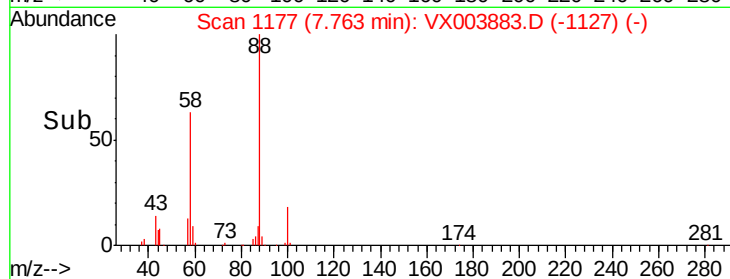
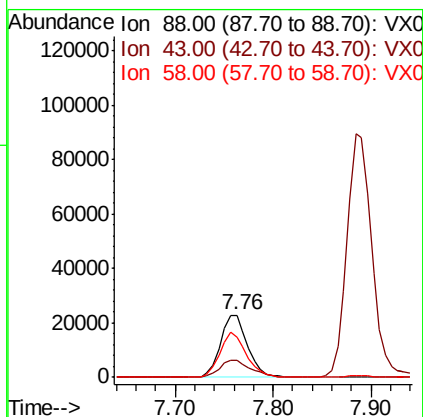
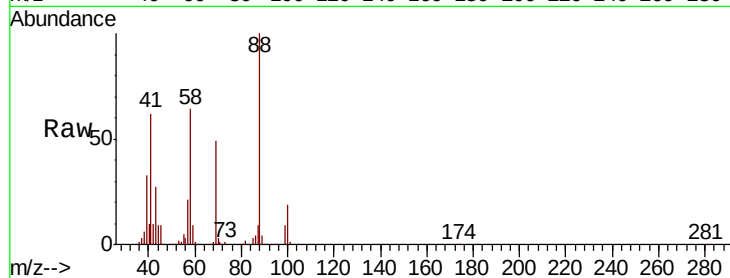
#49
 1,4-Dioxane
 Concen: 388.94 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	88	Resp	44005
Ion	Ratio	Lower	Upper
88	100		
43	31.2	23.8	35.8
58	71.1	55.4	83.0

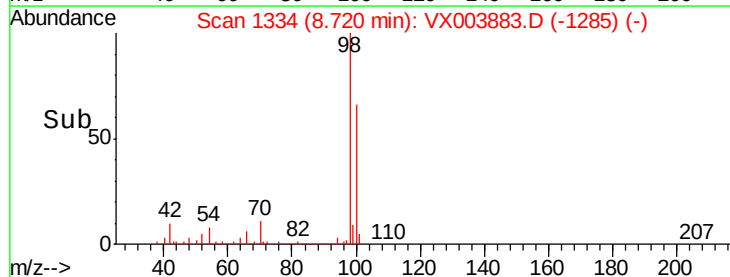
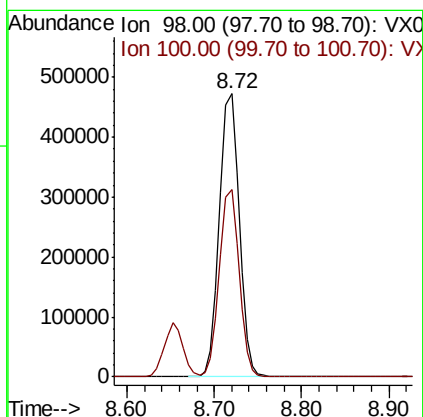
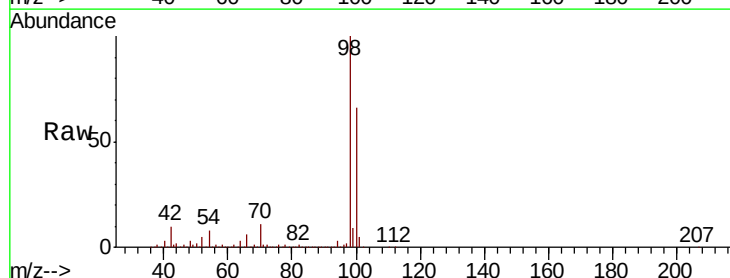
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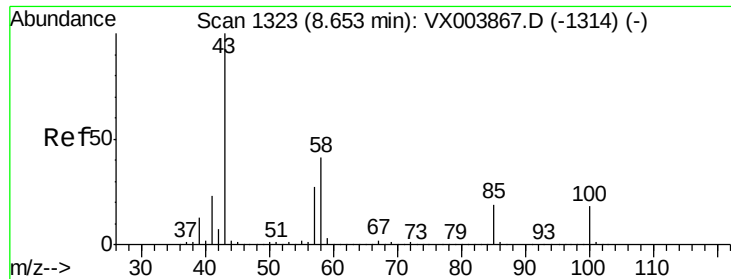
MMDadoda
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#50
 Toluene-d8
 Concen: 49.68 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Tgt Ion	98	Resp	745792
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 101.31 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 43 Resp: 793432

Ion Ratio Lower Upper

43 100

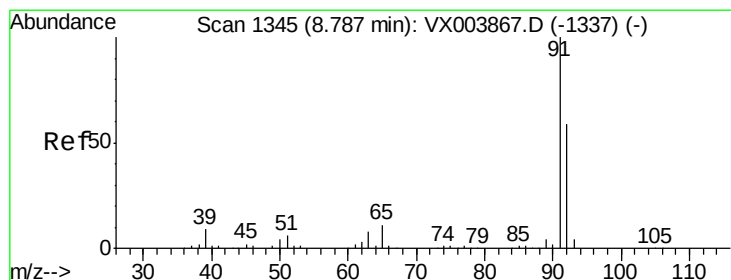
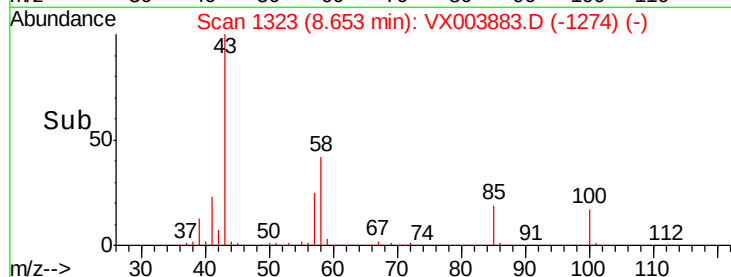
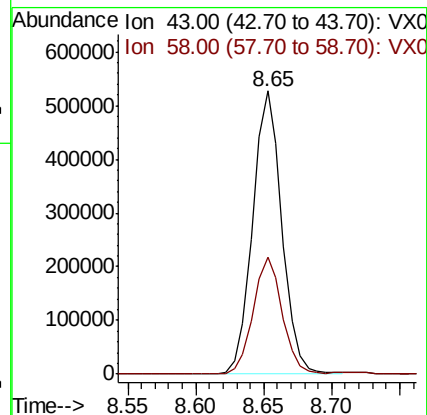
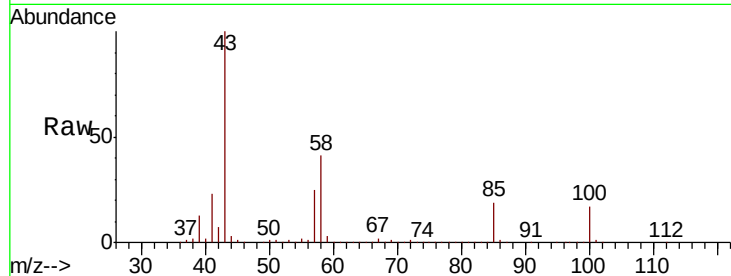
58 41.2 33.0 49.6

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#52

Toluene

Concen: 19.90 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003883.D

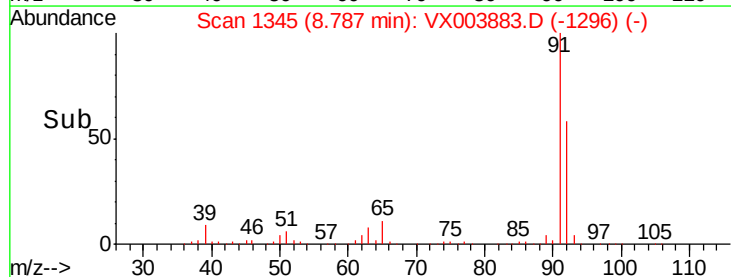
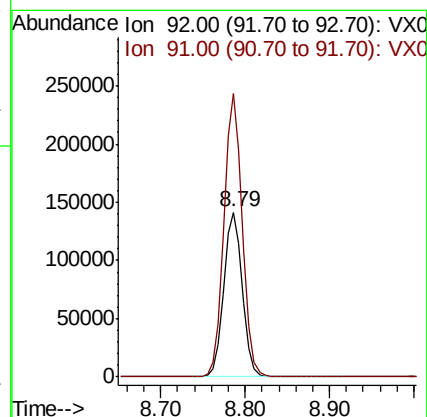
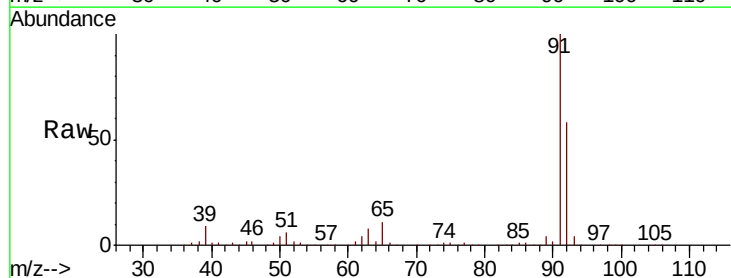
Acq: 07 Aug 2018 16:32

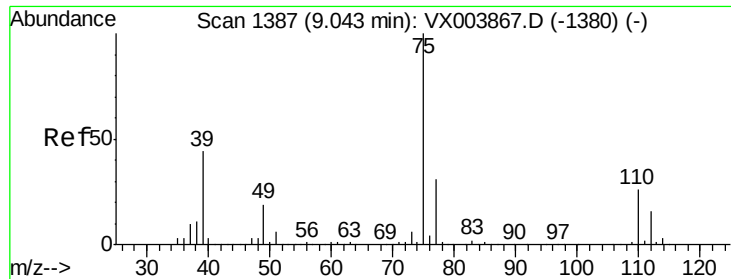
Tgt Ion: 92 Resp: 215515

Ion Ratio Lower Upper

92 100

91 169.6 136.1 204.1





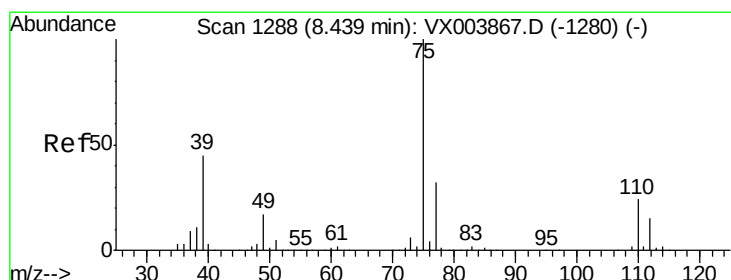
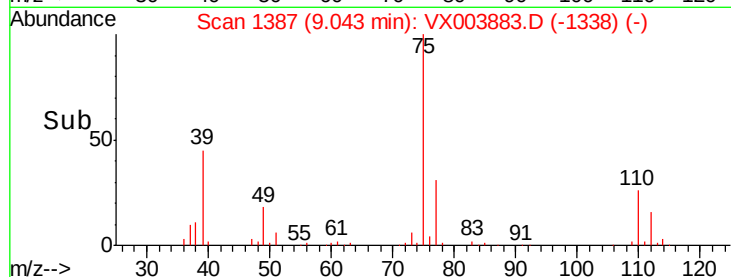
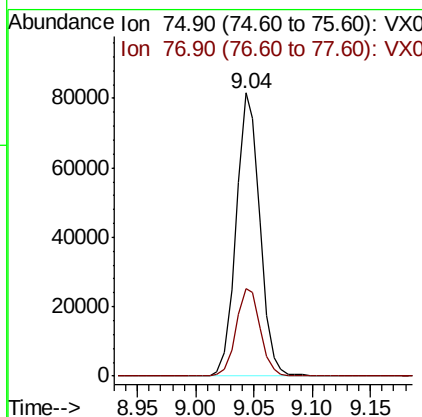
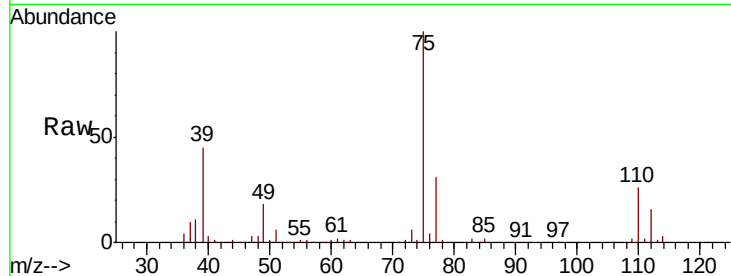
#53
 t-1,3-Dichloropropene
 Concen: 18.93 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion: 75 Resp: 115833
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.1 37.7

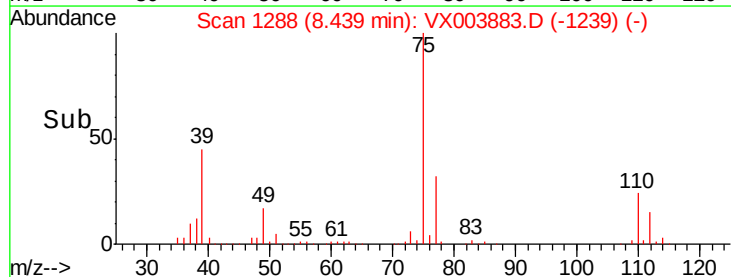
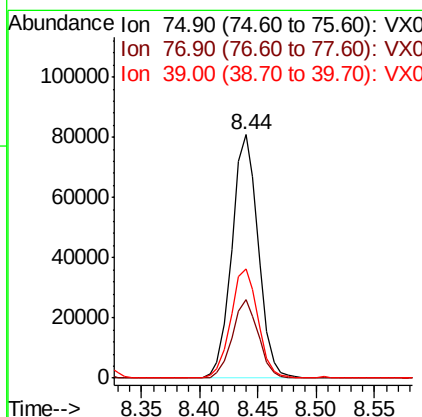
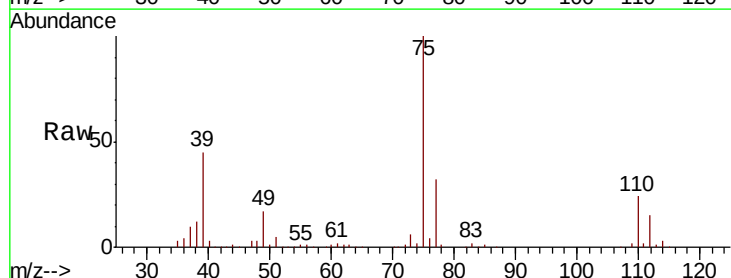
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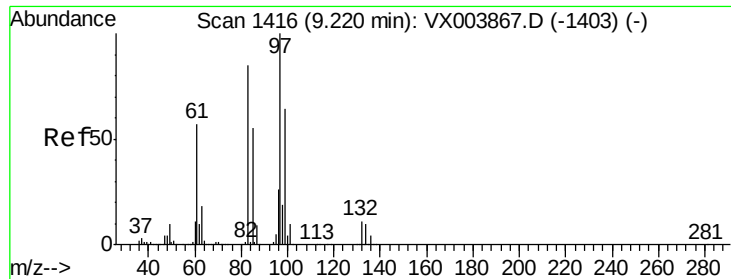
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#54
 cis-1,3-Dichloropropene
 Concen: 19.39 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Tgt Ion: 75 Resp: 127919
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9
 39 44.9 36.2 54.2





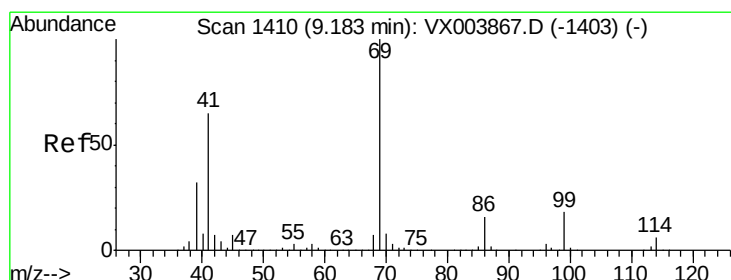
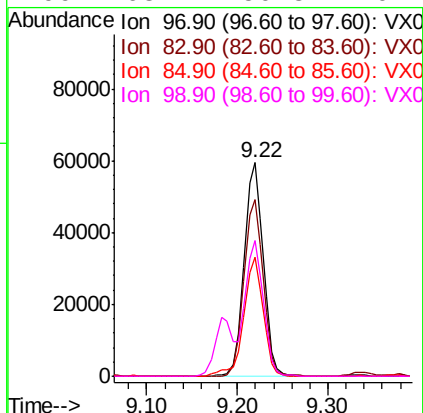
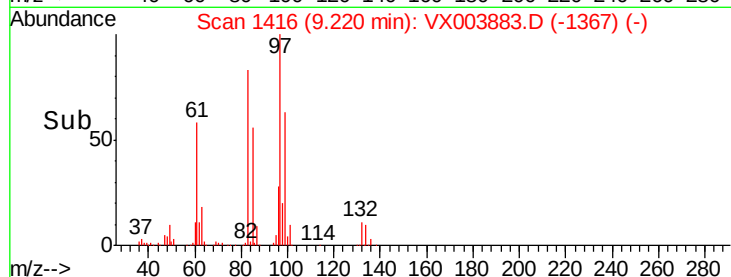
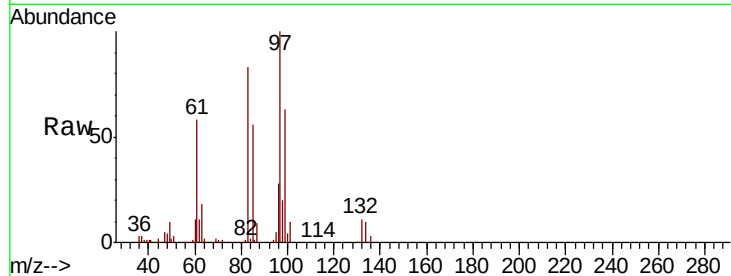
#55
 1,1,2-Trichloroethane
 Concen: 19.60 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	97	Resp	86719
Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.8	101.6
85	56.0	44.2	66.2
99	63.4	50.8	76.2

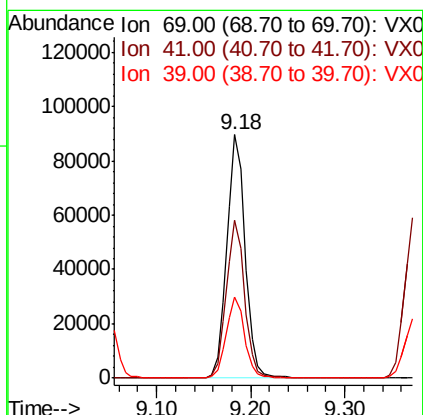
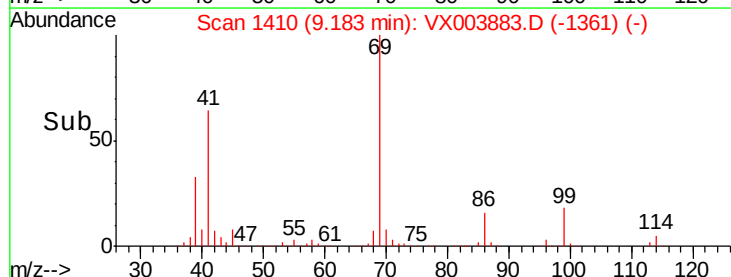
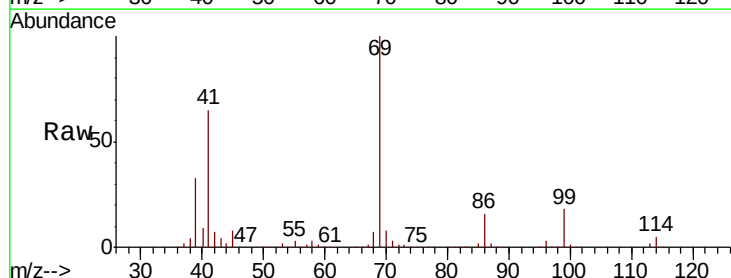
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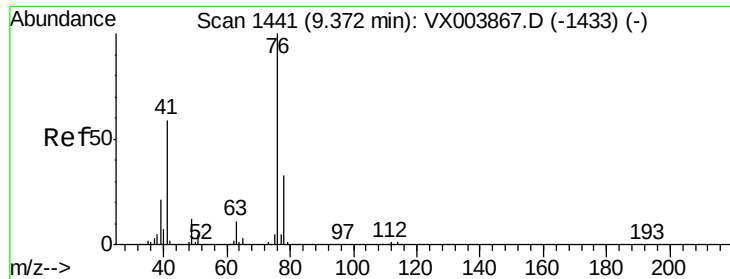
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#56
 Ethyl methacrylate
 Concen: 18.91 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Tgt Ion	69	Resp	121421
Ion	Ratio	Lower	Upper
69	100		
41	64.7	50.6	76.0
39	33.2	25.8	38.6





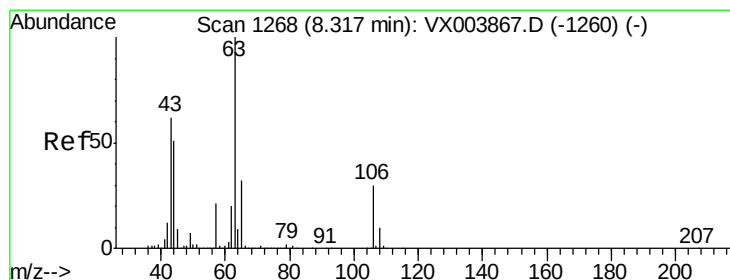
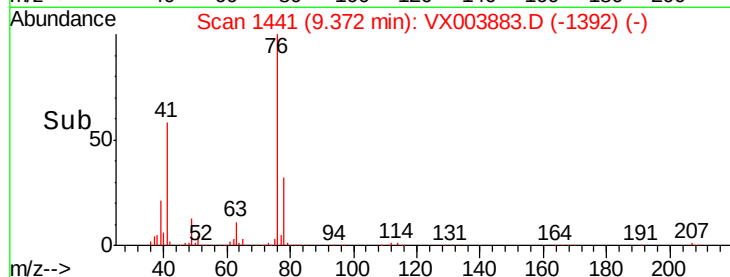
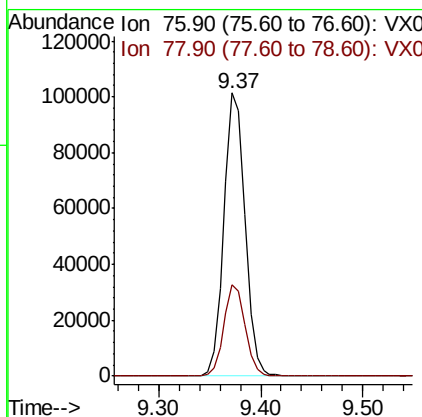
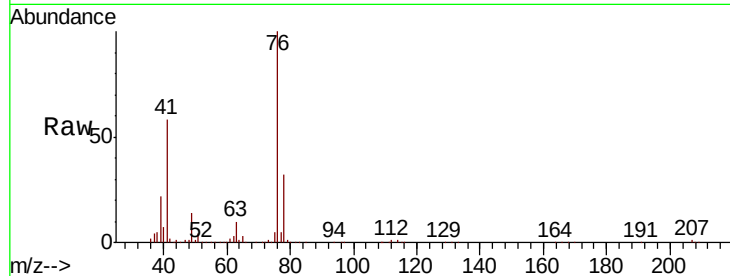
#57
 1,3-Dichloropropane
 Concen: 19.70 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

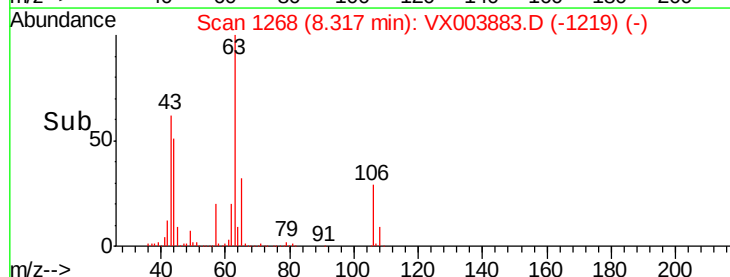
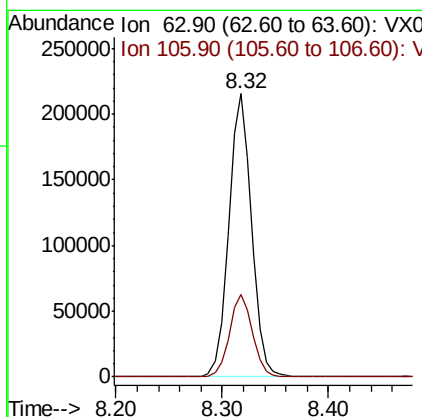
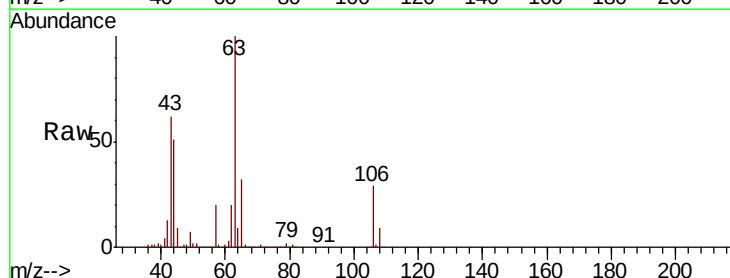
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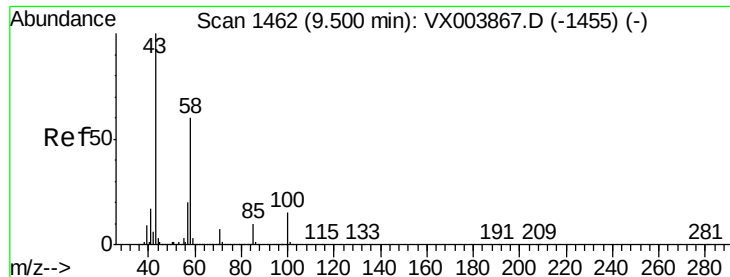
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.24 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.8	35.8





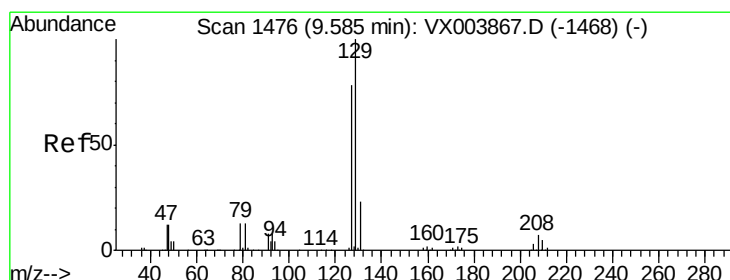
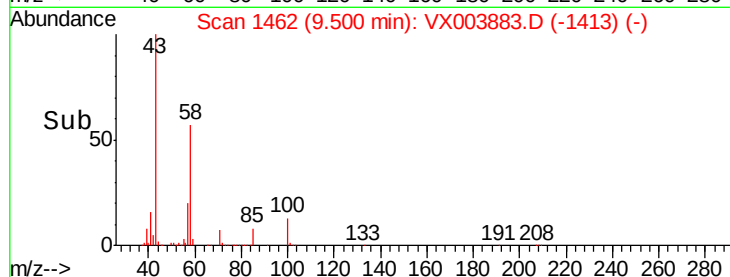
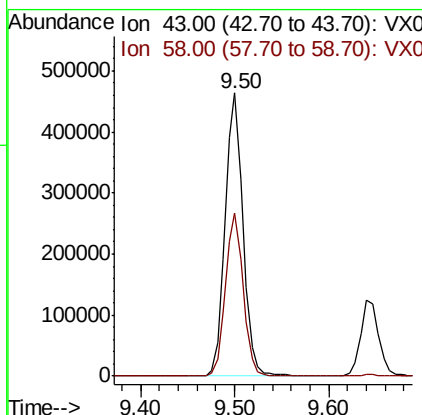
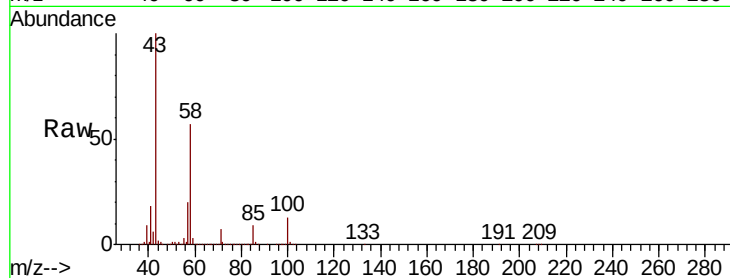
#59
2-Hexanone
Concen: 104.04 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion: 43 Resp: 609057
Ion Ratio Lower Upper
43 100
58 57.4 29.0 87.0

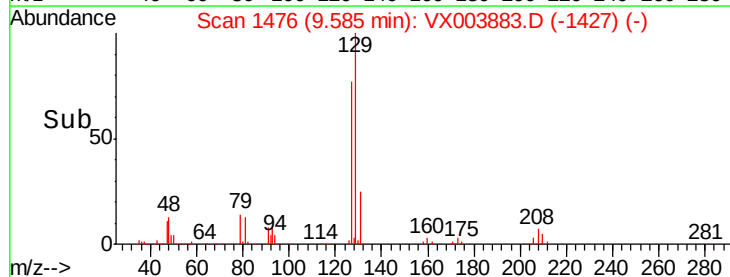
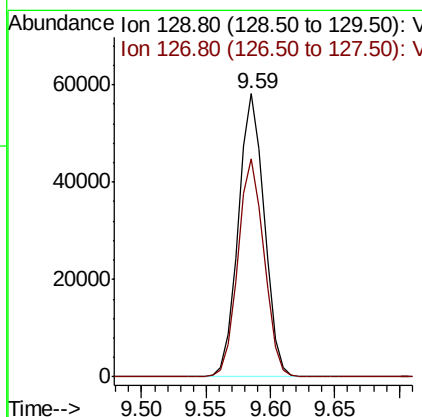
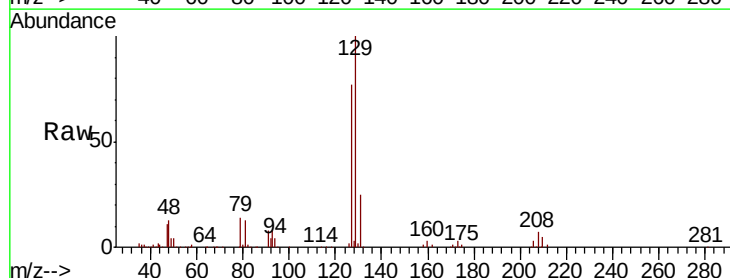
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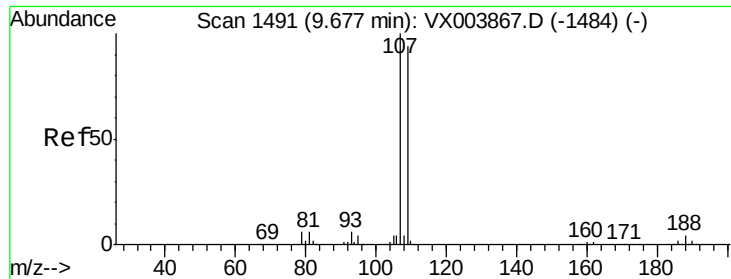
MMDadoda
8/8/2018 12:01:28 PM



#60
Dibromochloromethane
Concen: 19.71 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion: 129 Resp: 81330
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.3





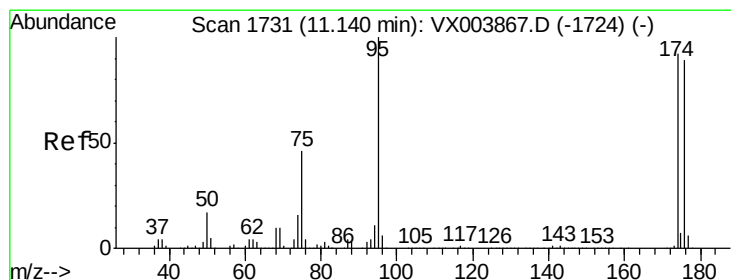
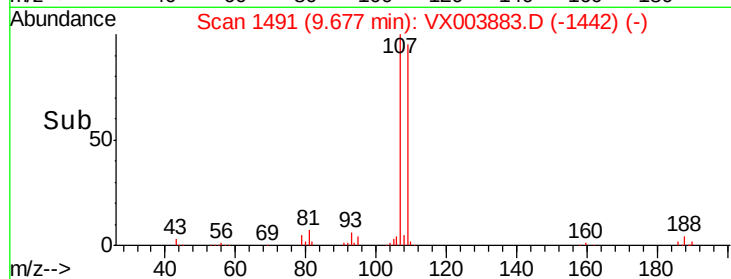
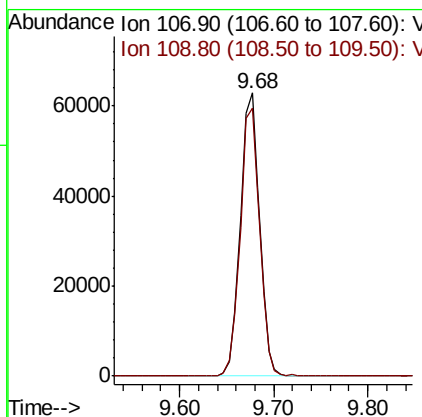
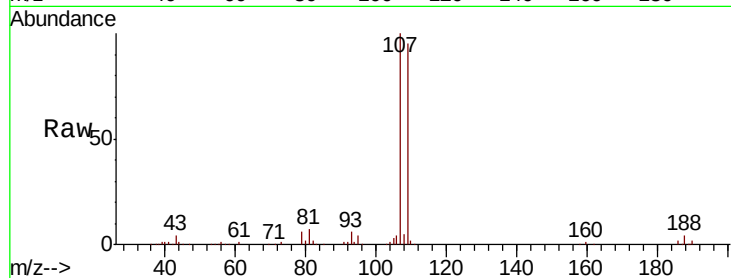
#61
 1,2-Dibromoethane
 Concen: 20.14 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.8	113.8

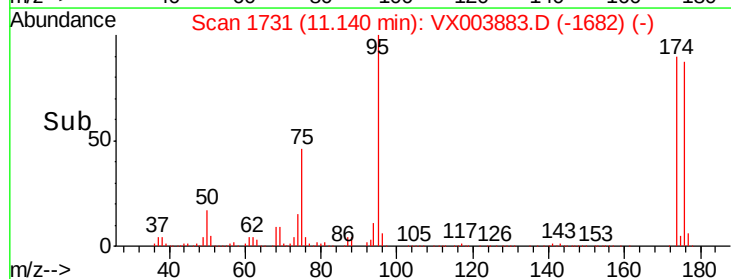
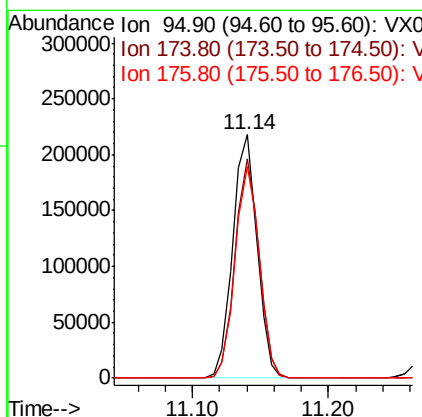
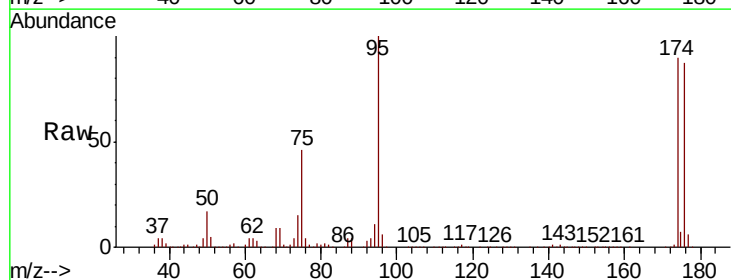
Manual Integrations
 APPROVED

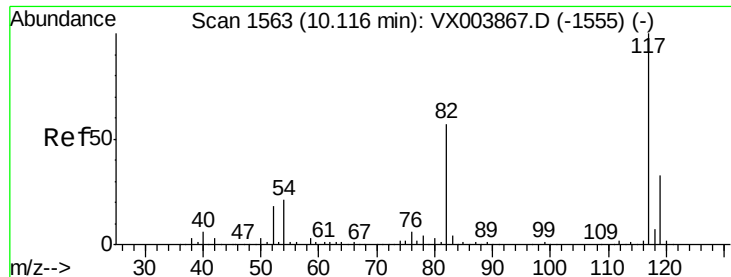
MMDadoda
 8/8/2018 12:01:28 PM



#62
 4-Bromofluorobenzene
 Concen: 55.98 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	182.8
176	86.7	0.0	179.0





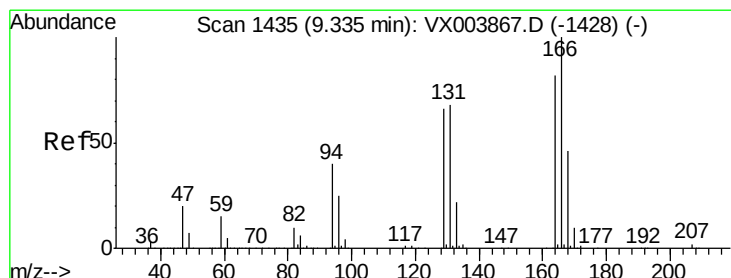
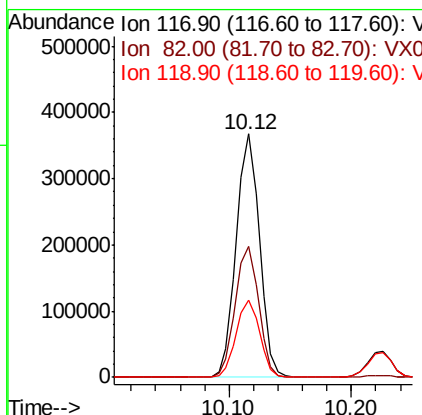
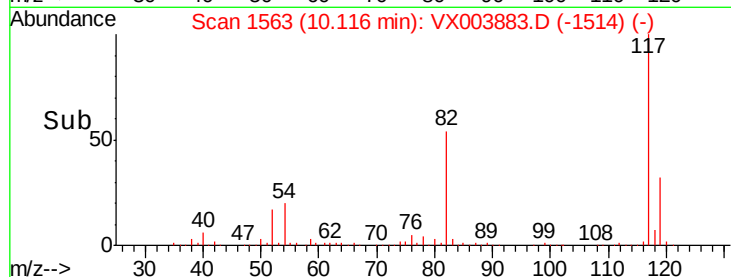
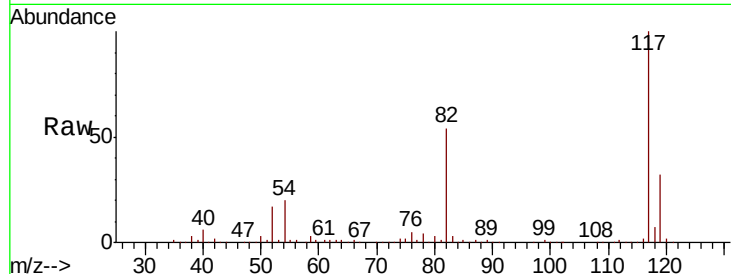
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.4	68.0
119	31.9	26.6	40.0

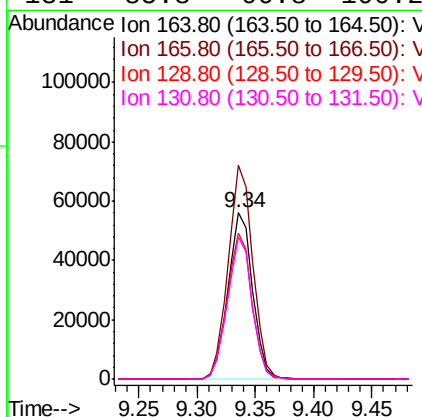
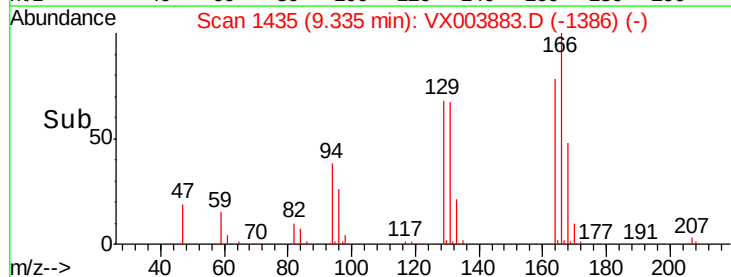
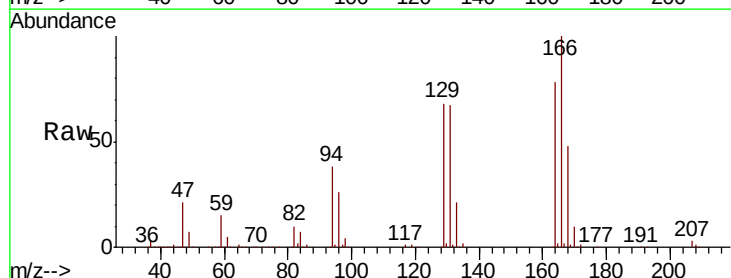
Manual Integrations
APPROVED

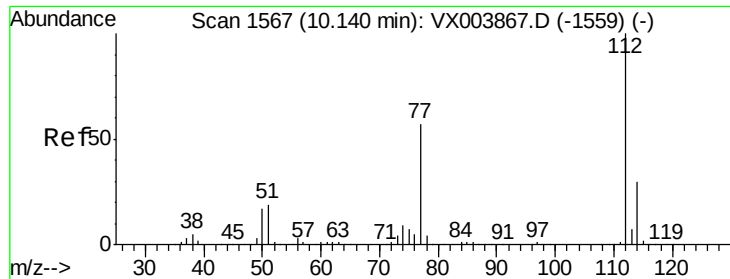
MMDadoda
8/8/2018 12:01:28 PM



#64
Tetrachloroethene
Concen: 17.35 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	98.0	147.0
129	87.5	64.3	96.5
131	85.8	66.8	100.2





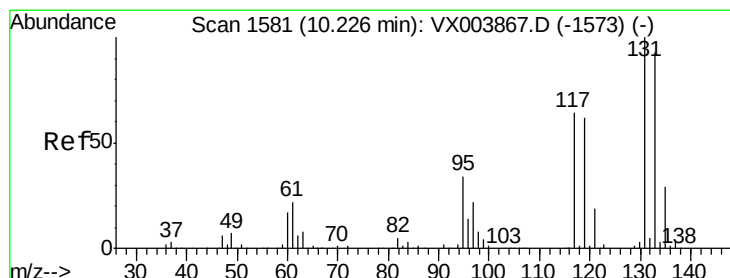
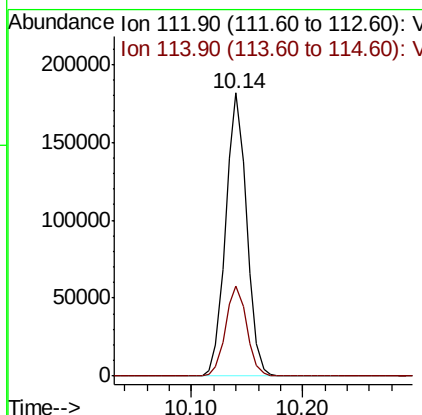
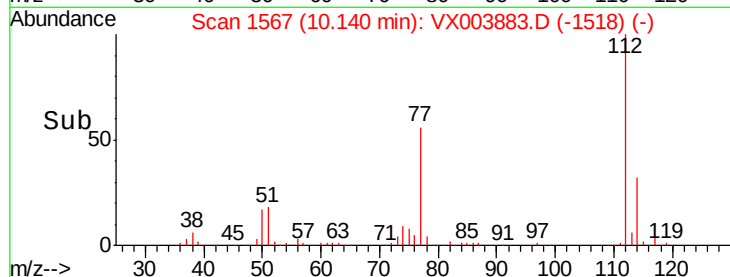
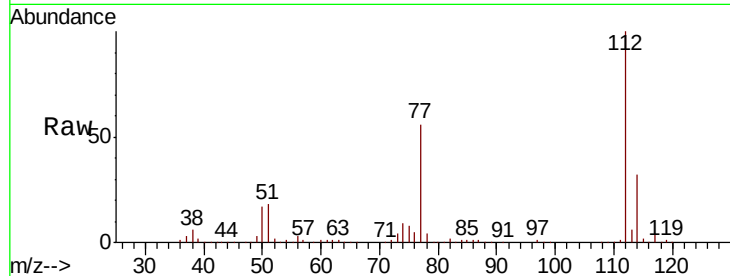
#65
Chlorobenzene
Concen: 18.81 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion:112 Resp: 236140
Ion Ratio Lower Upper
112 100
114 32.0 23.6 35.4

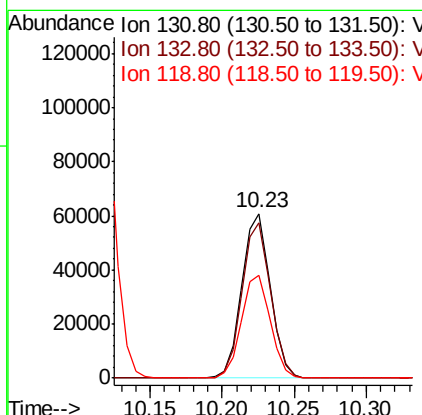
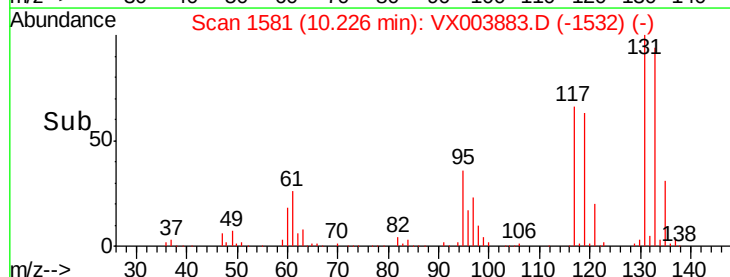
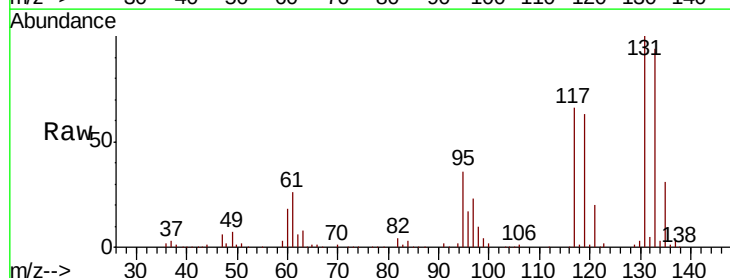
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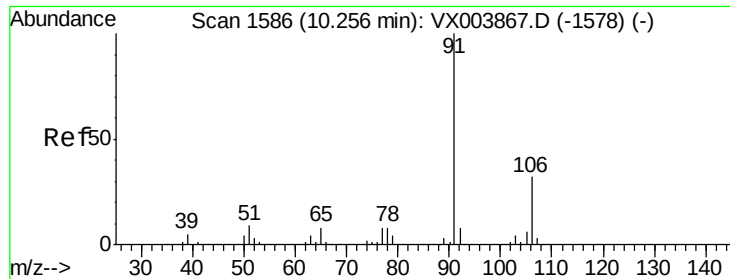
MMDadoda
8/8/2018 12:01:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.23 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion:131 Resp: 82992
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 63.7 31.6 94.8





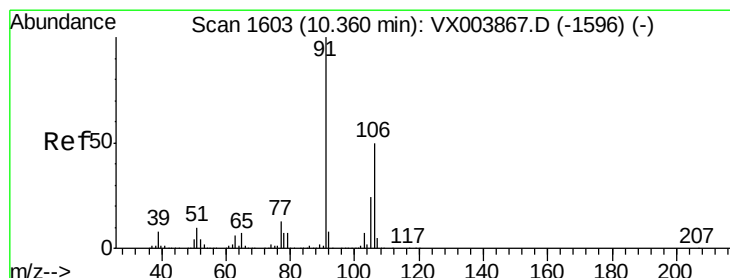
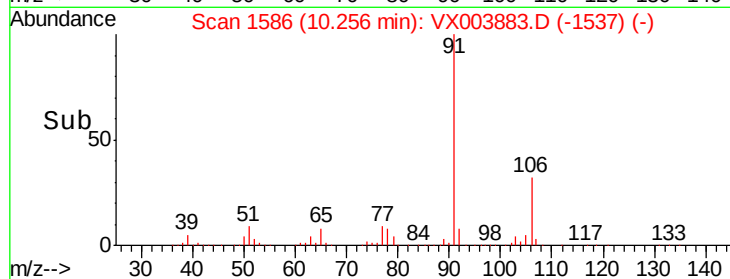
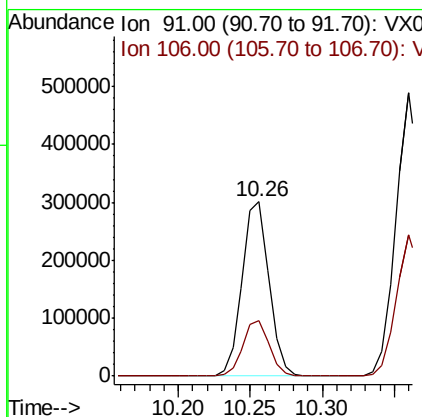
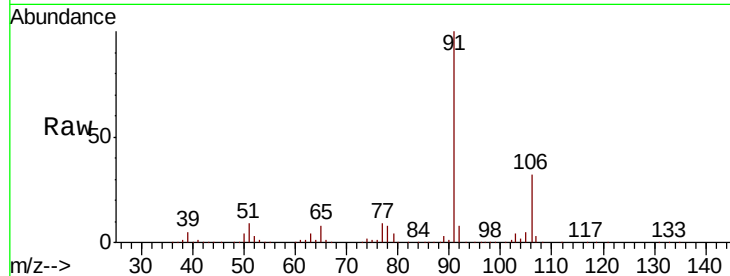
#67
Ethyl Benzene
Concen: 19.01 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion: 91 Resp: 390640
Ion Ratio Lower Upper
91 100
106 31.6 25.9 38.9

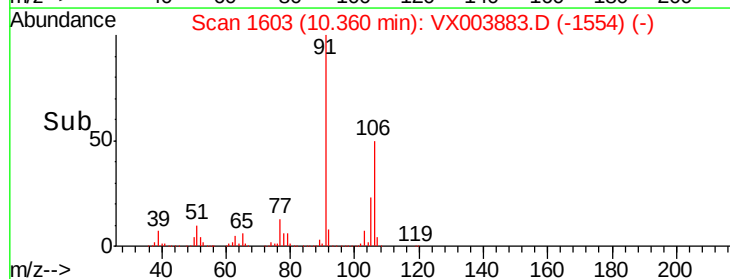
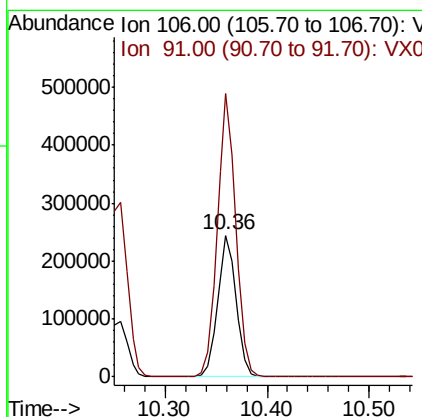
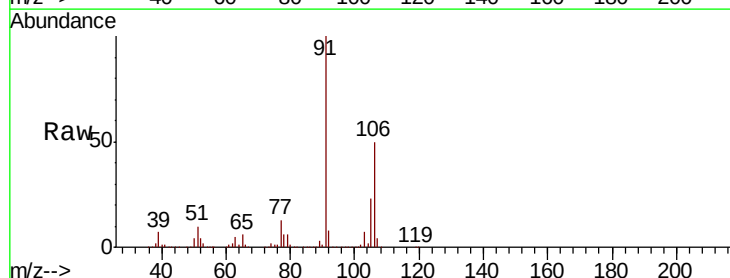
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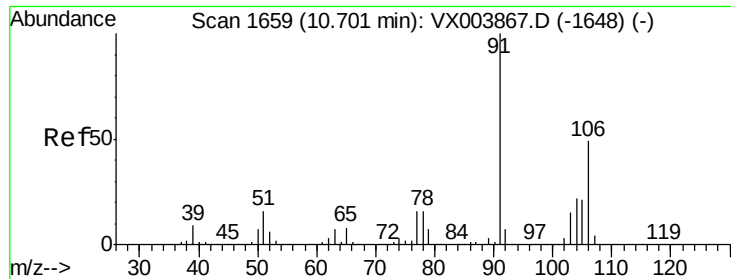
MMDadoda
8/8/2018 12:01:28 PM



#68
m/p-Xylenes
Concen: 38.86 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion: 106 Resp: 312057
Ion Ratio Lower Upper
106 100
91 199.0 162.3 243.5





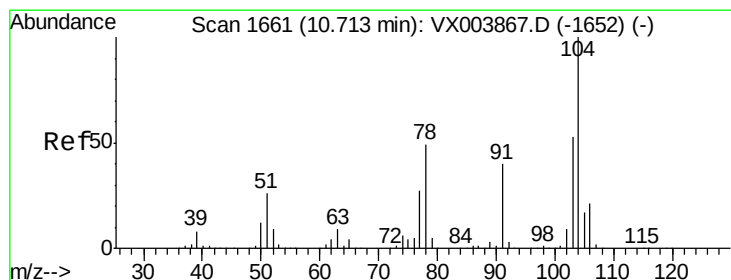
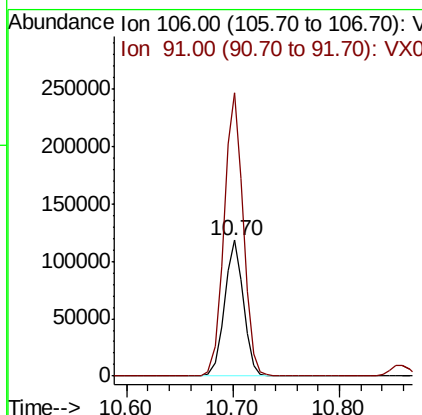
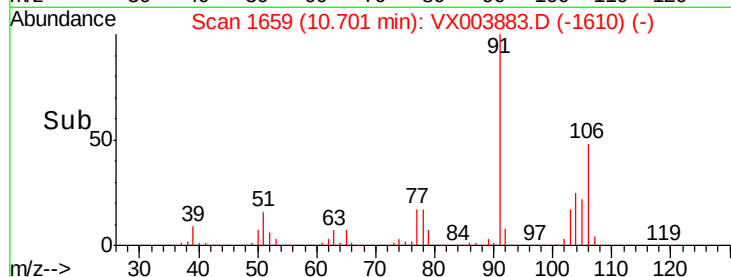
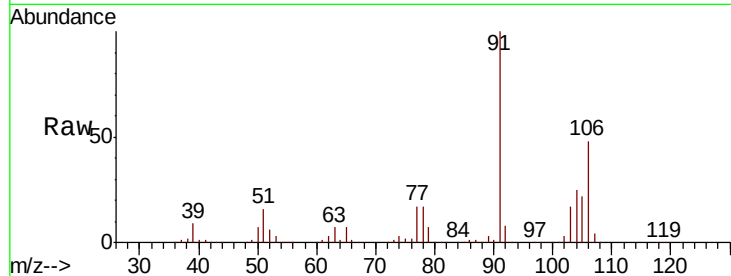
#69
o-Xylene
Concen: 19.36 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion:106 Resp: 146787
Ion Ratio Lower Upper
106 100
91 210.9 101.9 305.7

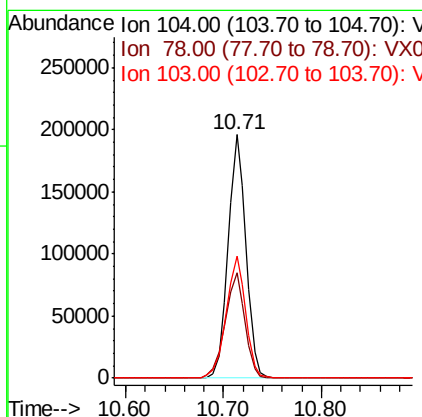
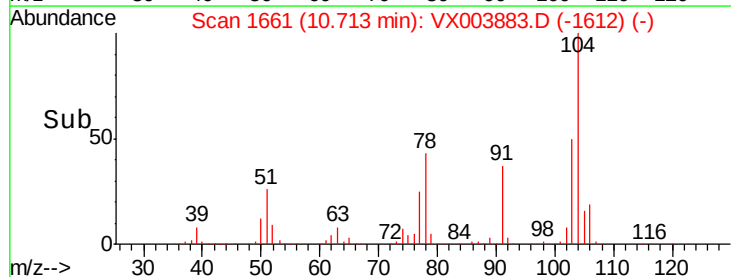
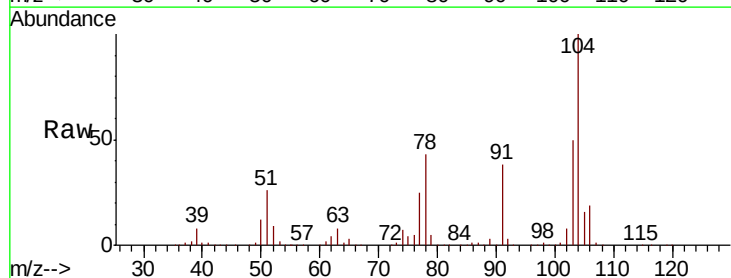
Manual Integrations
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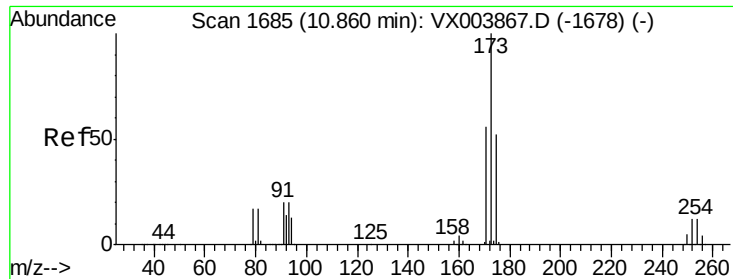
MMDadoda
8/8/2018 12:01:28 PM



#70
Styrene
Concen: 19.98 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion:104 Resp: 248037
Ion Ratio Lower Upper
104 100
78 47.8 39.8 59.6
103 54.4 44.3 66.5





#71

Bromoform

Concen: 18.63 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion:173 Resp: 61091

Ion Ratio Lower Upper

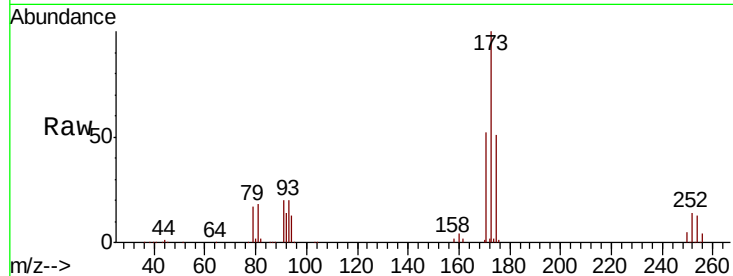
173 100

175 49.8 24.9 74.7

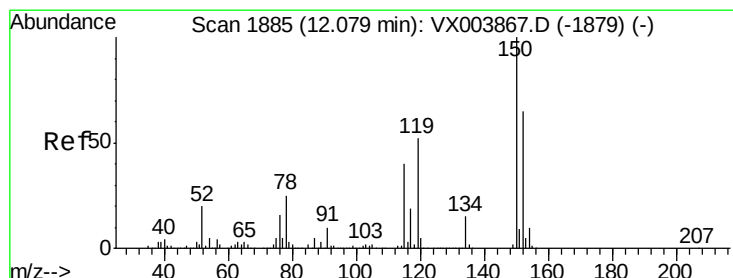
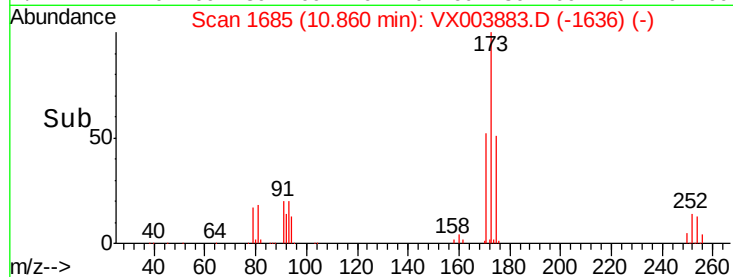
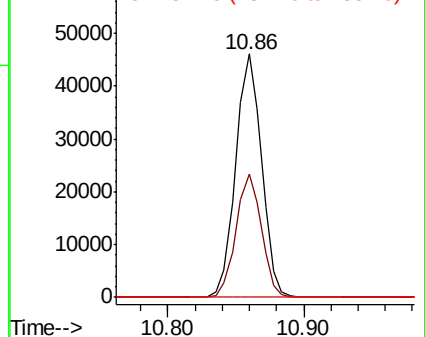
254 0.2 0.2 0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

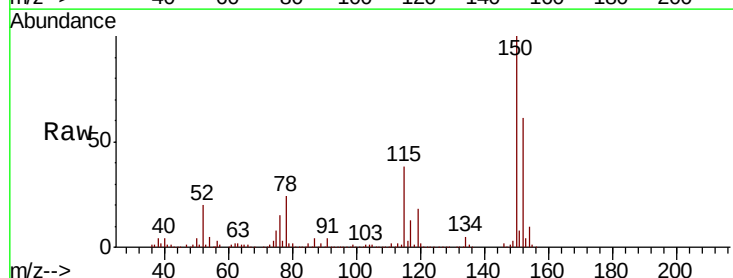
Tgt Ion:152 Resp: 248967

Ion Ratio Lower Upper

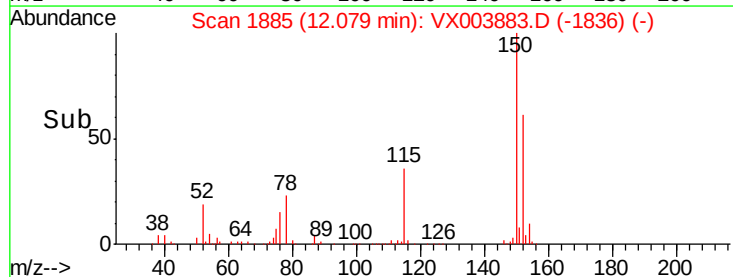
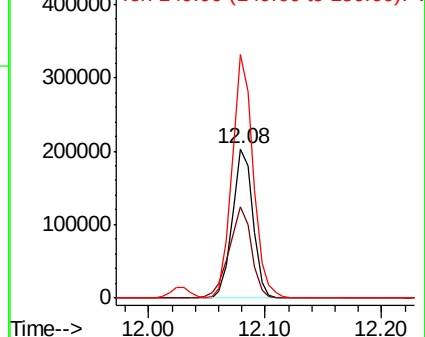
152 100

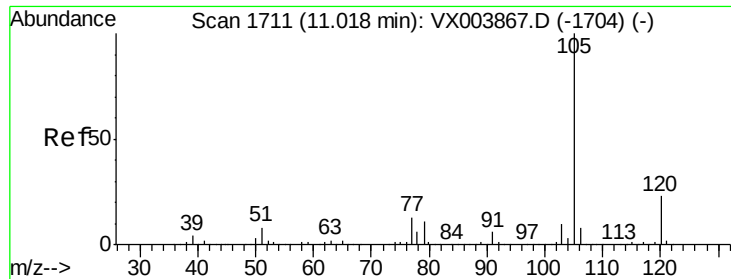
115 66.3 39.1 117.3

150 168.4 0.0 349.2



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





#73

Isopropylbenzene

Concen: 21.58 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

ClientSampled :

VX0807WBSD01

Tot Ion: 105 Resp: 397493

Ion Ratio Lower Upper

105 100

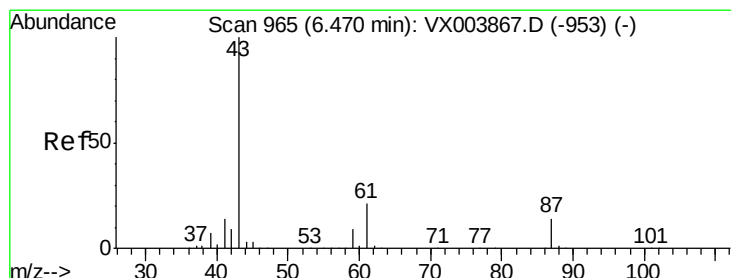
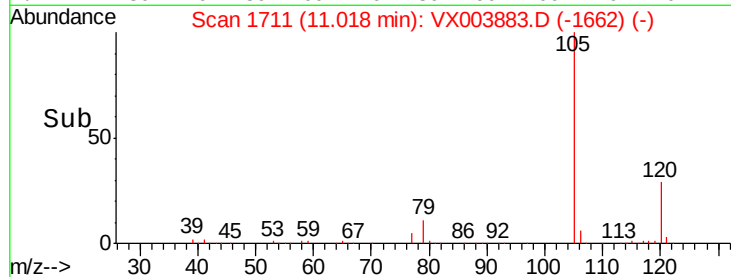
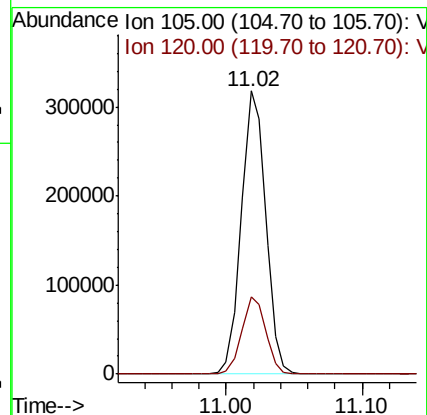
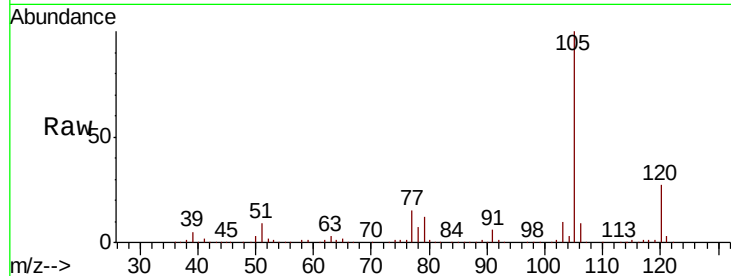
120 27.0 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.11 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Tgt Ion: 43 Resp: 183016

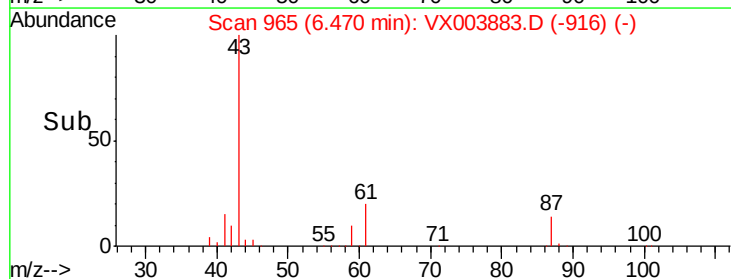
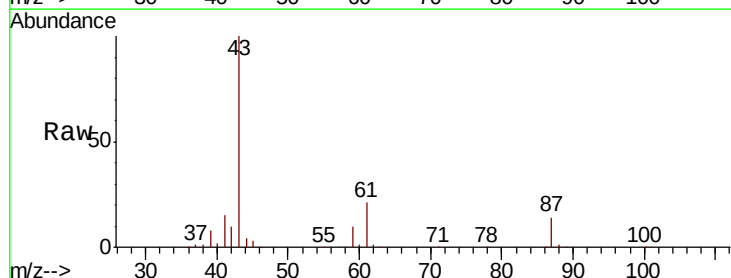
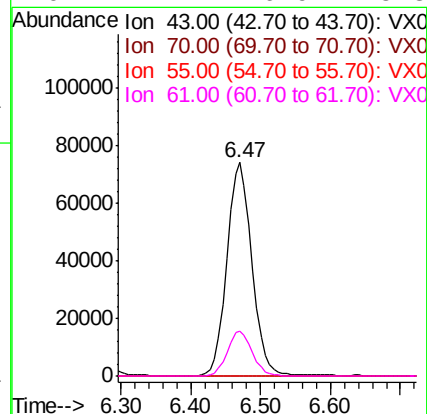
Ion Ratio Lower Upper

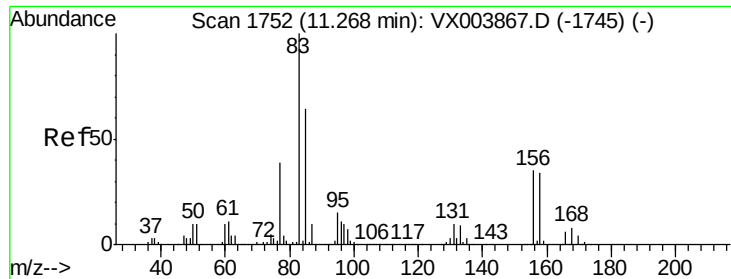
43 100

70 0.0 0.0 0.0

55 0.2 0.1 0.1#

61 21.2 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.55 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

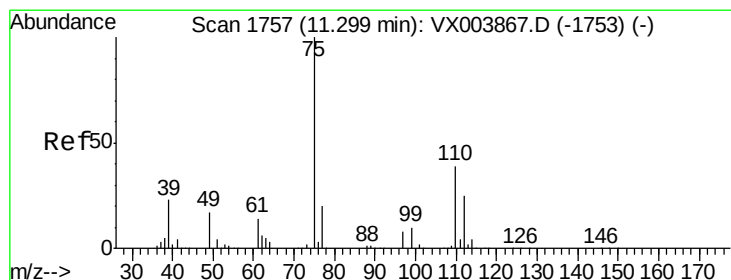
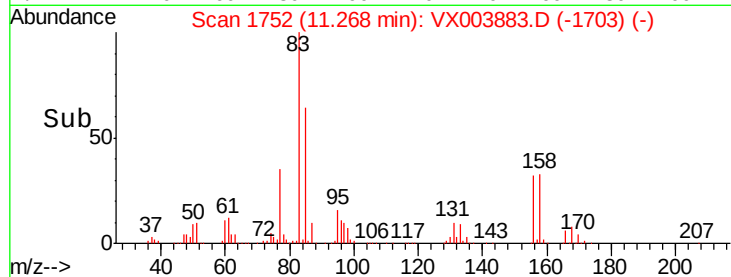
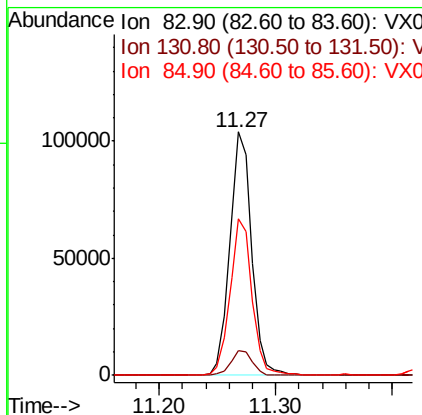
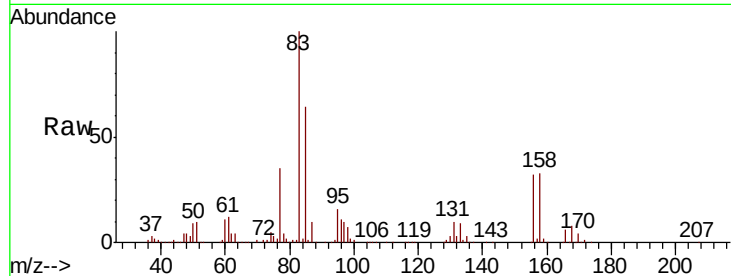
ClientSampled :

VX0807WBSD01

Tot Ion:	83	Resp:	136006
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.4	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.04 ug/l m

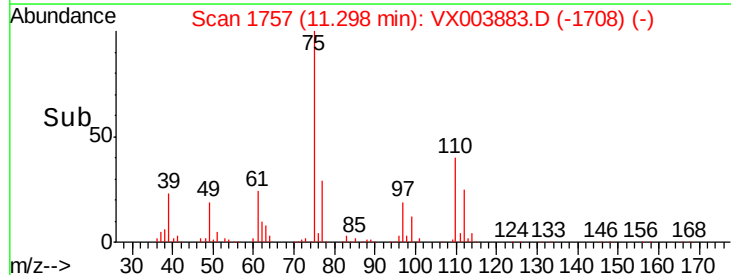
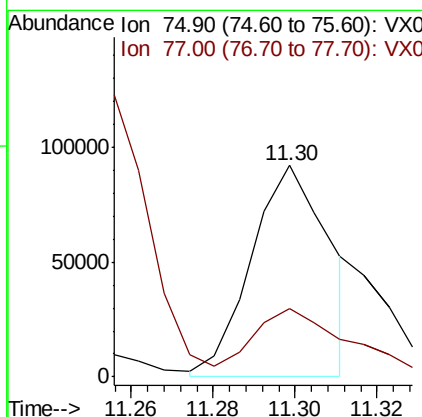
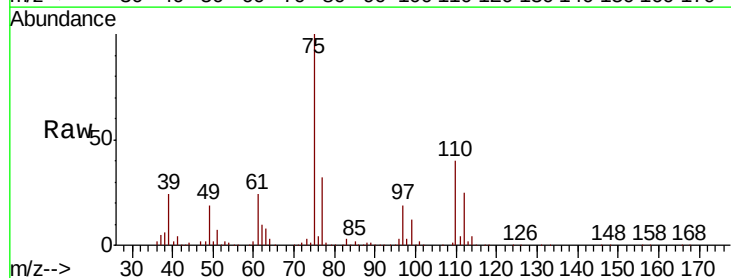
RT: 11.30 min Scan# 1757

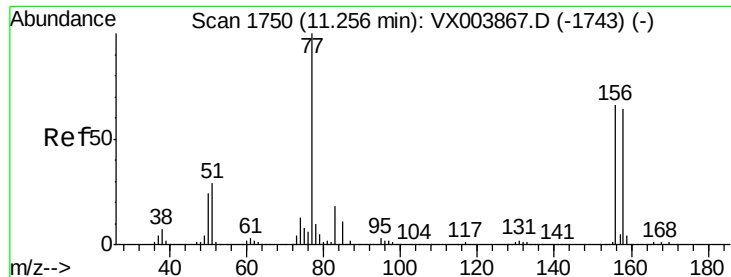
Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Tgt Ion:	75	Resp:	121217
Ion Ratio	Lower	Upper	
75	100		
77	40.3	20.8	62.5





#77

Bromobenzene

Concen: 21.40 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

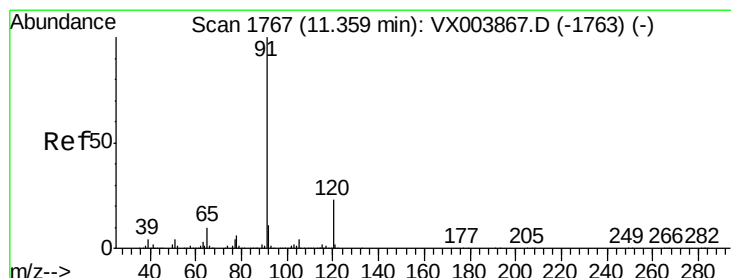
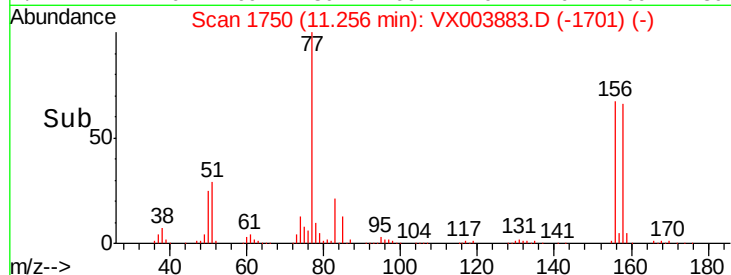
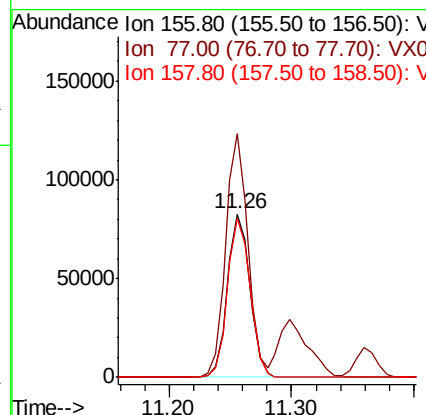
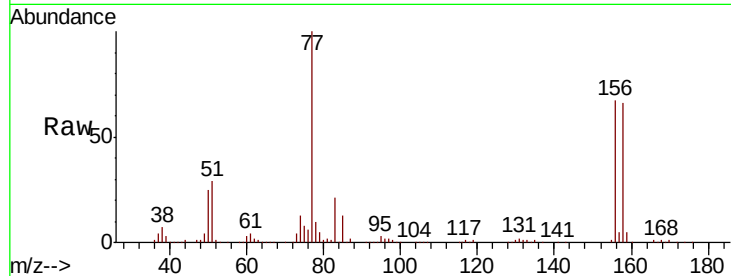
ClientSampleId :

VX0807WBSD01

Tot Ion:	156	Resp:	105131
Ion Ratio	Lower	Upper	
156	100		
77	148.2	74.1	222.2
158	98.3	48.6	145.9

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#78

n-propylbenzene

Concen: 22.04 ug/l

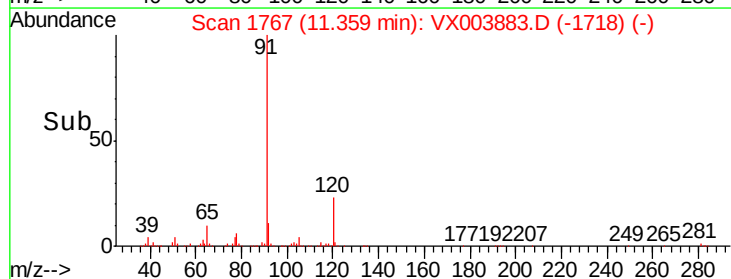
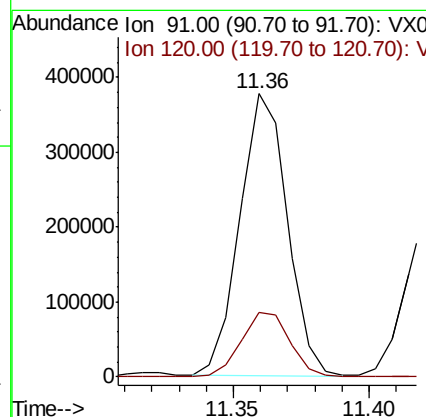
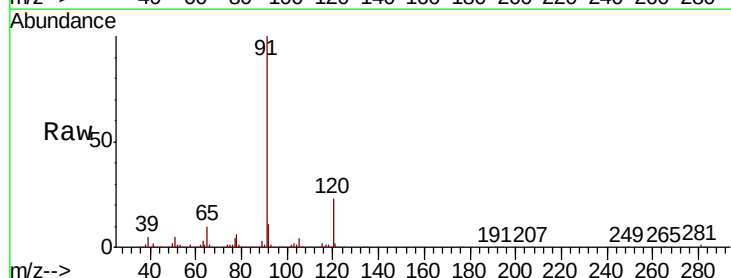
RT: 11.36 min Scan# 1767

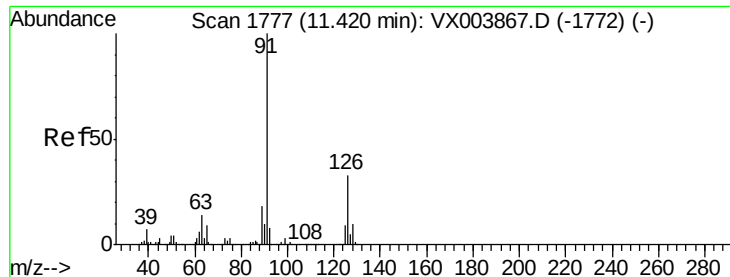
Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Tgt Ion:	91	Resp:	455923
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.5





#79

2-Chlorotoluene

Concen: 21.51 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 91 Resp: 271294

Ion Ratio Lower Upper

91 100

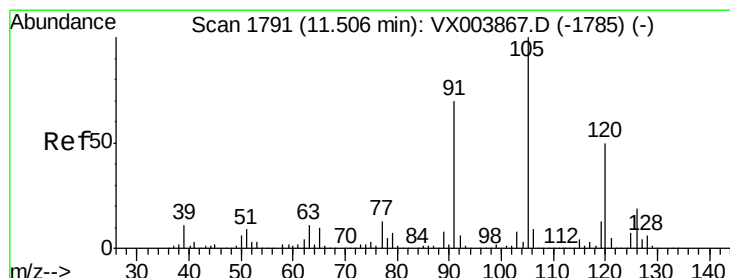
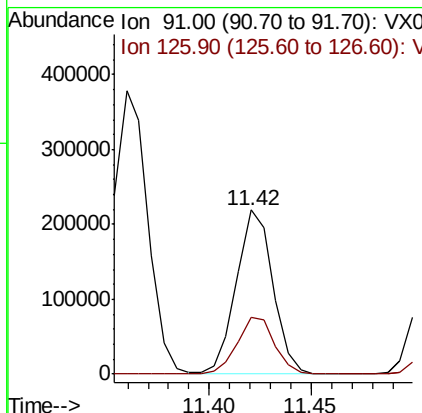
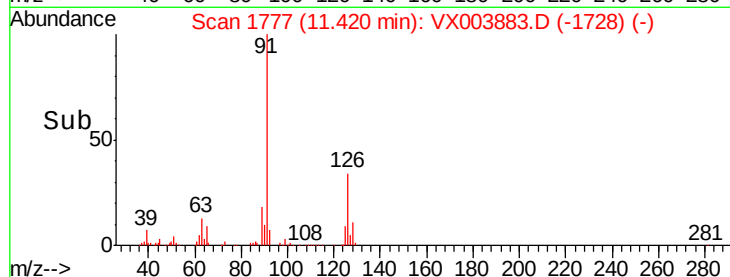
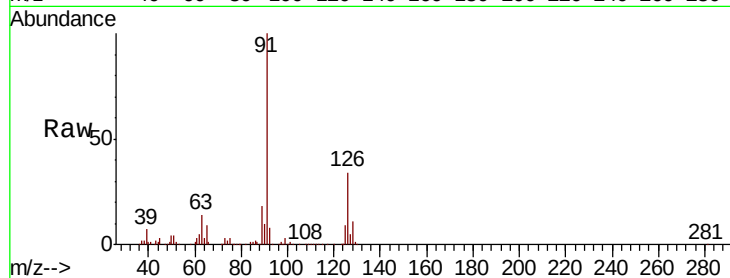
126 35.3 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.05 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX003883.D

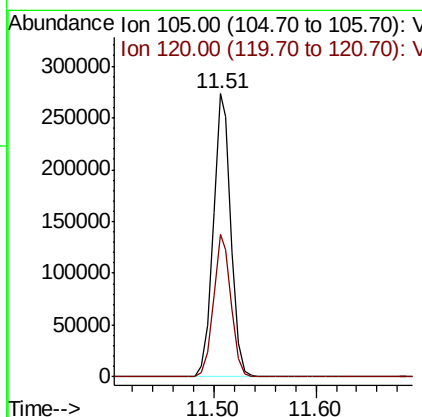
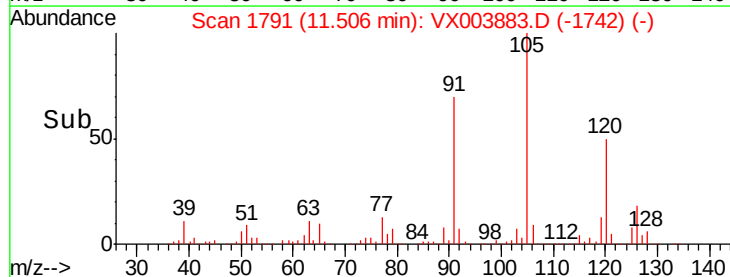
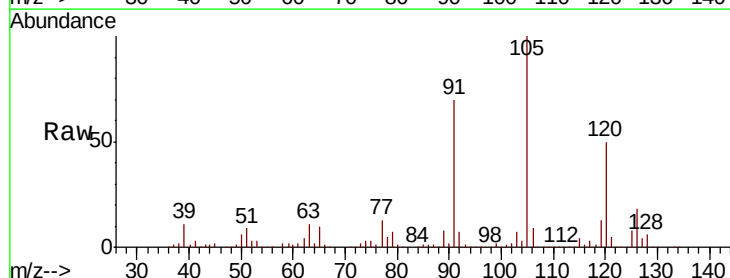
Acq: 07 Aug 2018 16:32

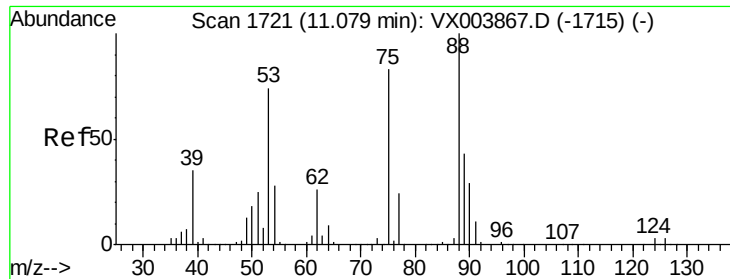
Tgt Ion: 105 Resp: 331098

Ion Ratio Lower Upper

105 100

120 50.2 25.4 76.2





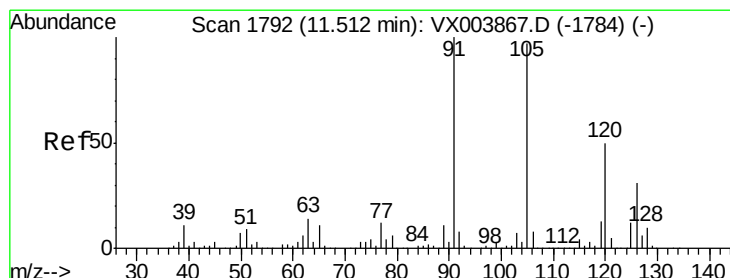
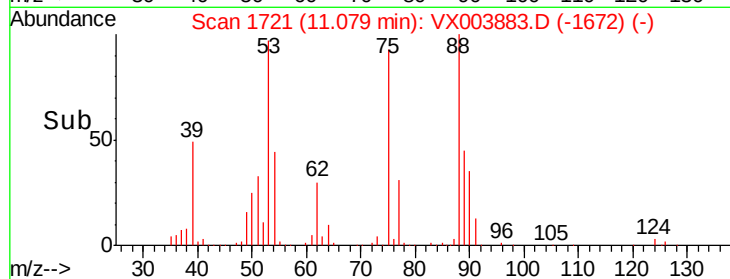
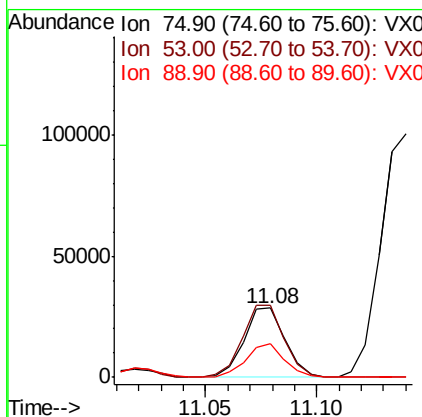
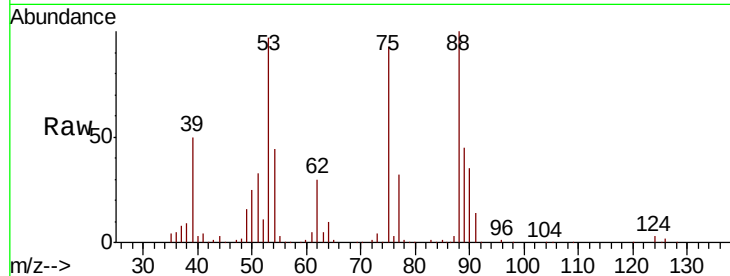
#81
trans-1,4-Dichloro-2-butene
Concen: 19.55 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.7	80.3	120.5
89	46.0	37.8	56.8

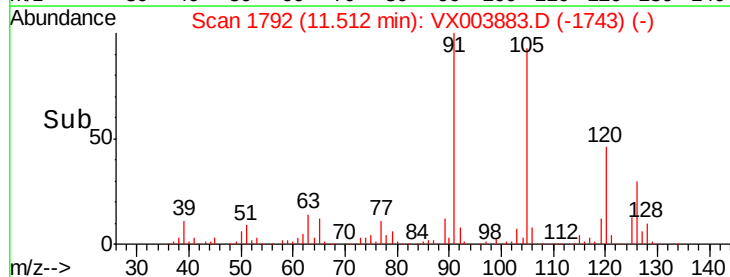
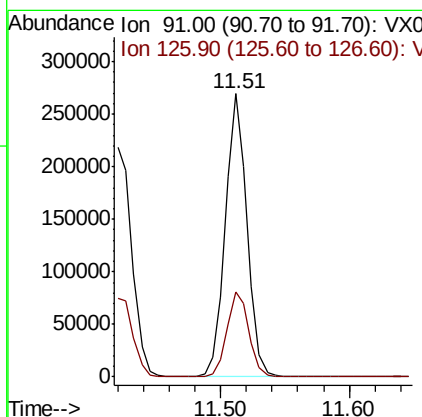
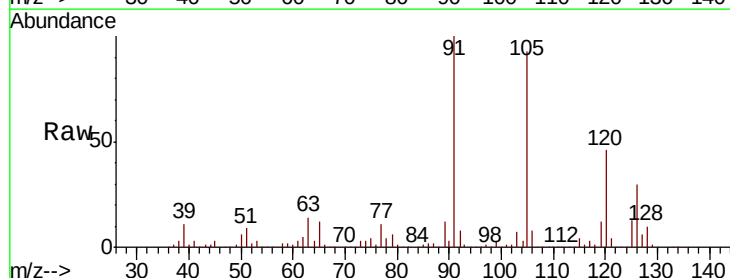
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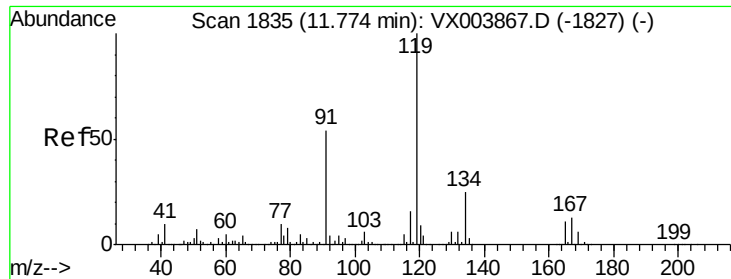
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.52 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.6	46.7





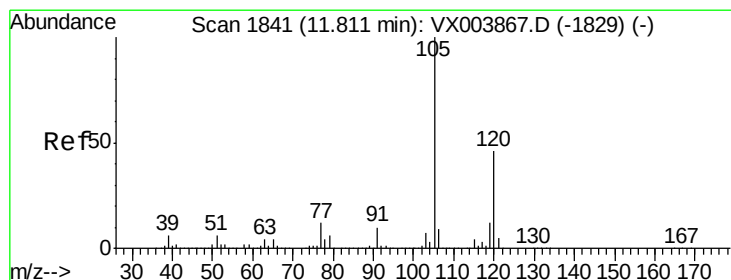
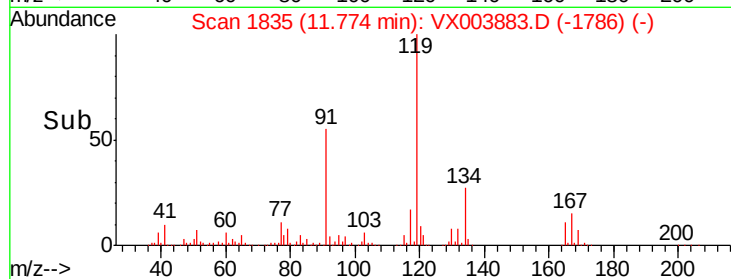
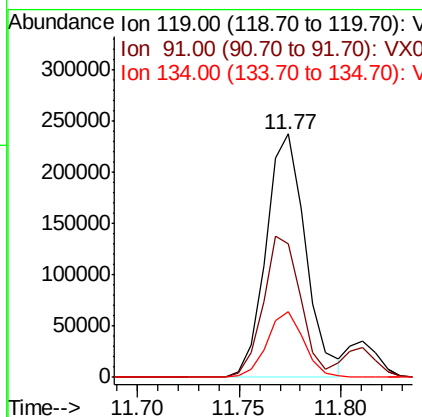
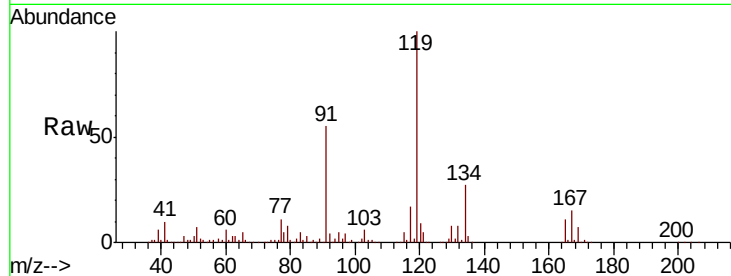
#83
 tert-Butylbenzene
 Concen: 21.72 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.7	26.9	80.7
134	25.0	12.0	36.0

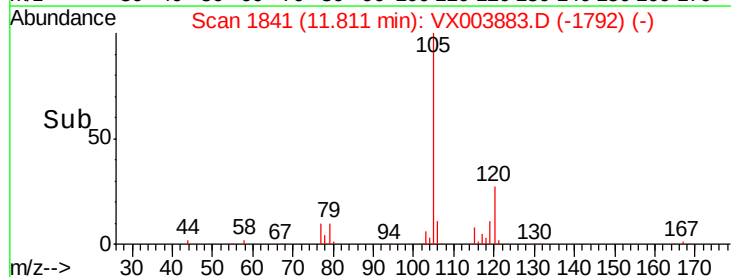
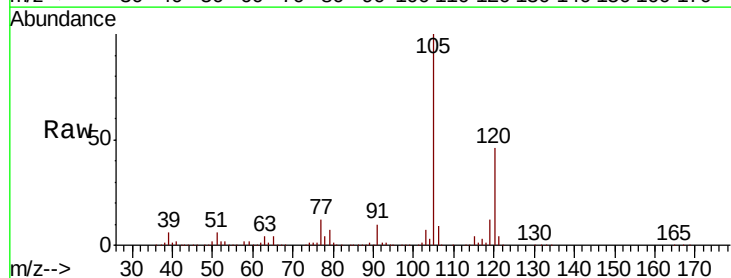
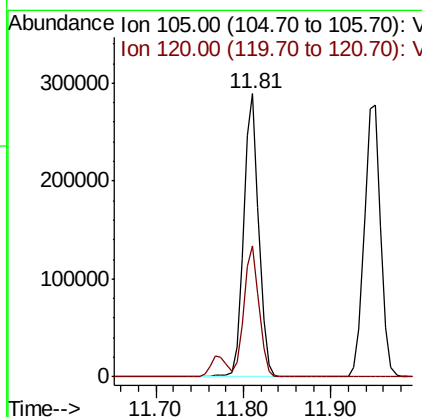
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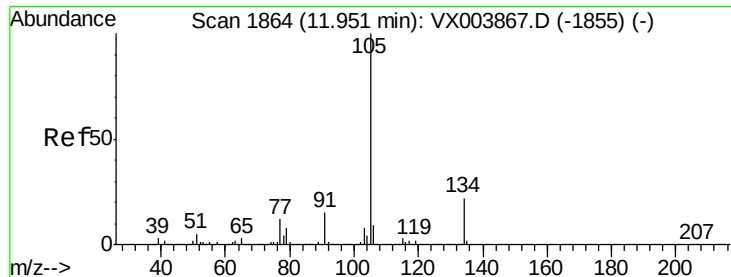
MMDadoda
 8/8/2018 12:01:28 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.92 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 20.82 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion:105 Resp: 363065

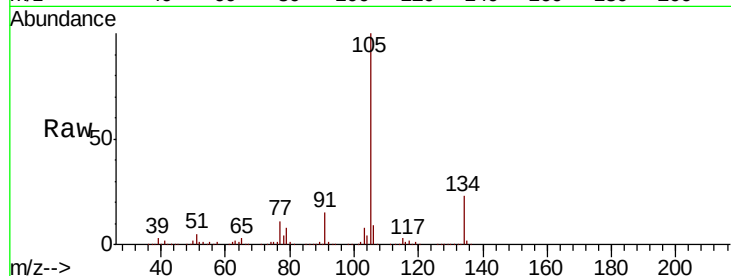
Ion Ratio Lower Upper

105 100

134 21.3 10.3 30.9

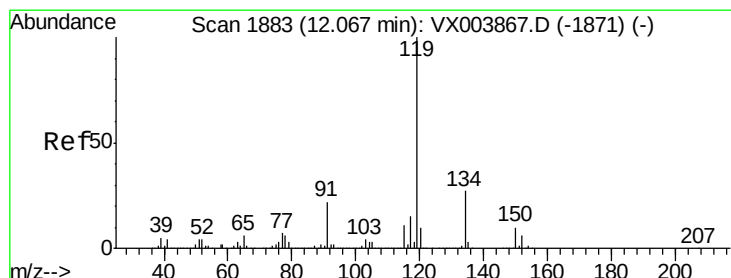
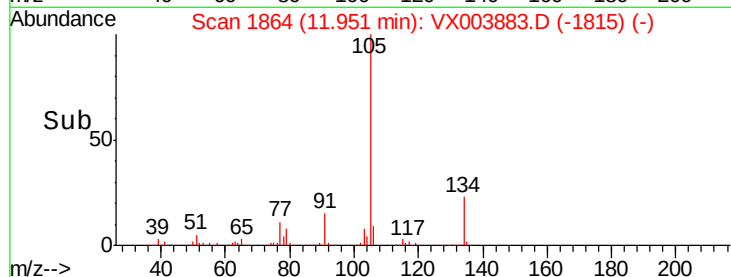
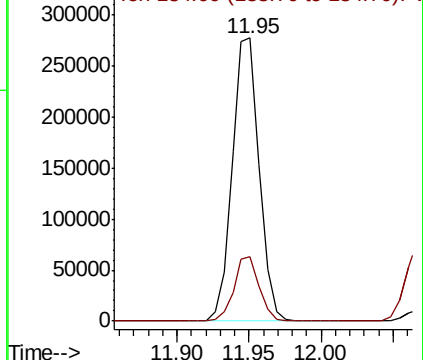
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.01 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003883.D

Acq: 07 Aug 2018 16:32

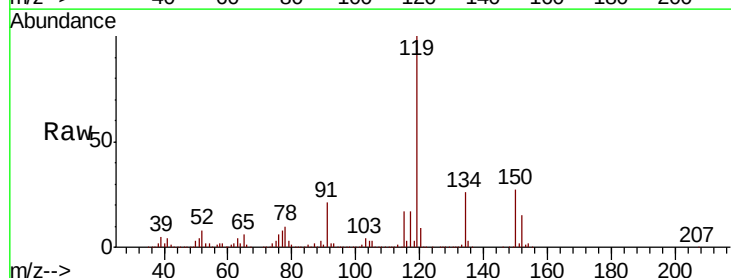
Tgt Ion:119 Resp: 313104

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

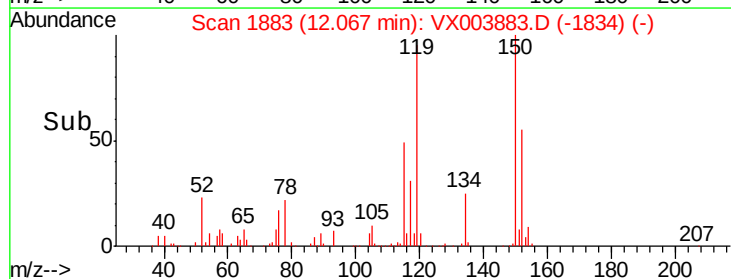
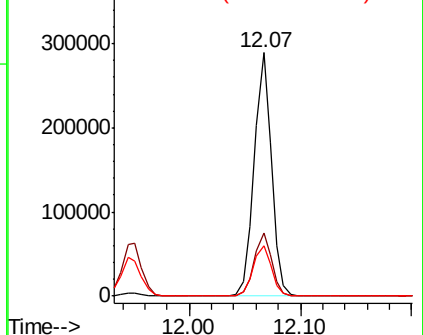
91 22.0 10.9 32.7

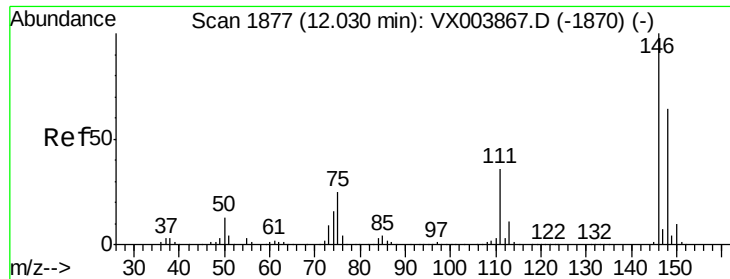


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





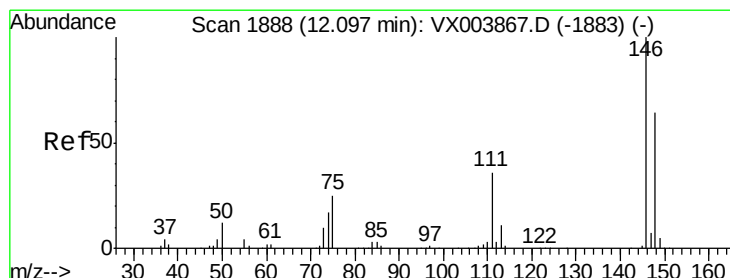
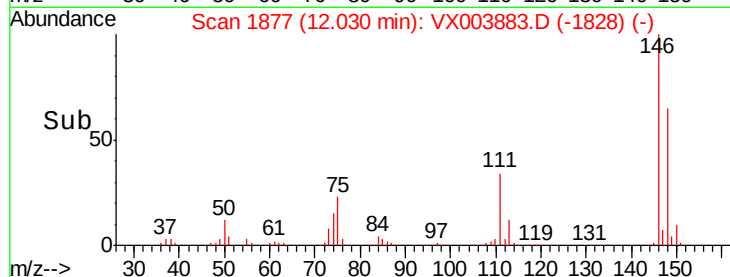
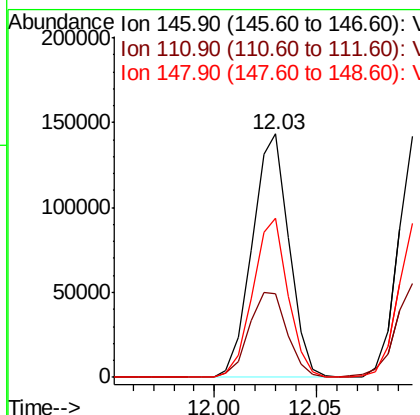
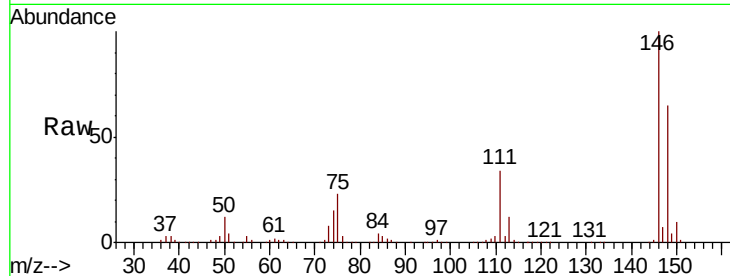
#87
 1,3-Dichlorobenzene
 Concen: 19.85 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Instrument :
 MSVOA_X
 ClientSampled :
 VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	180257		
111	36.3	18.8	56.4	
148	62.6	31.9	95.5	

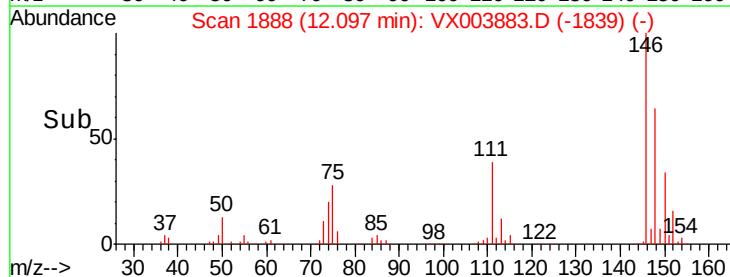
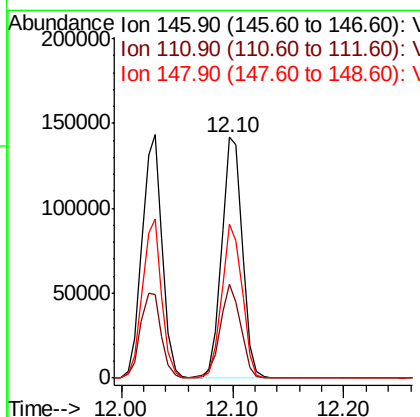
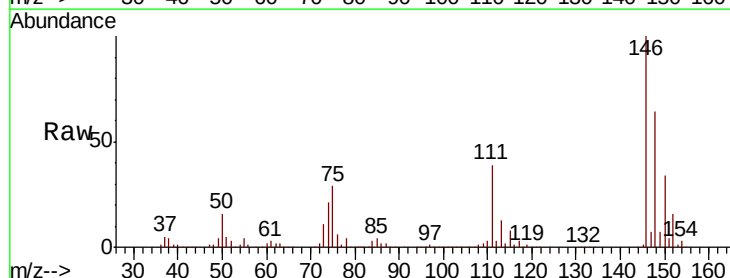
Manual Integrations
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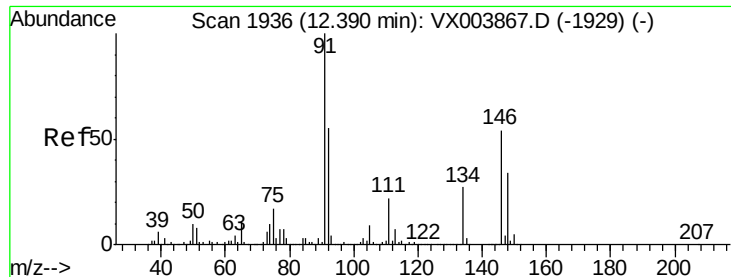
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.59 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	180661		
111	38.8	18.4	55.0	
148	63.4	32.3	96.8	





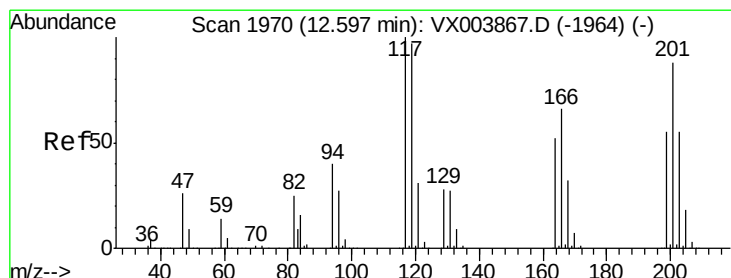
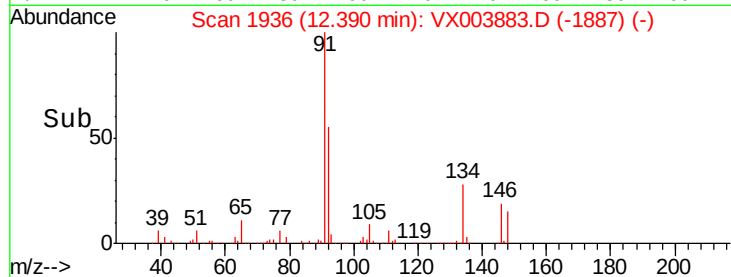
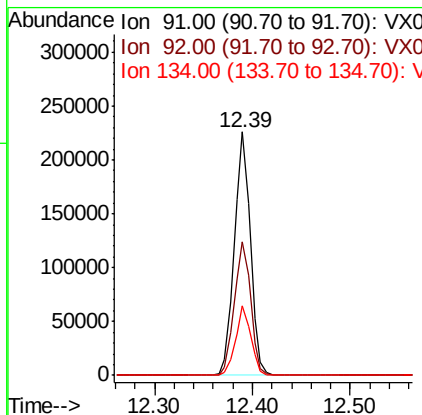
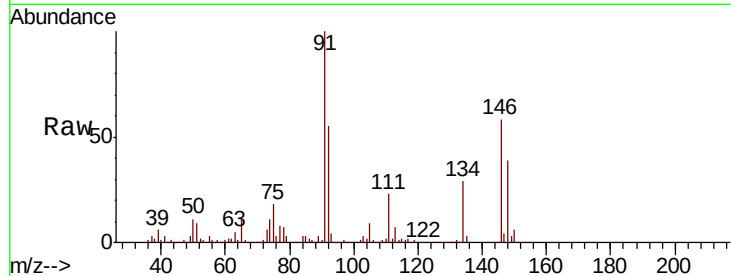
#89
n-Butylbenzene
Concen: 18.88 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	257445		
92	56.0		27.1	81.3
134	27.1		13.6	40.7

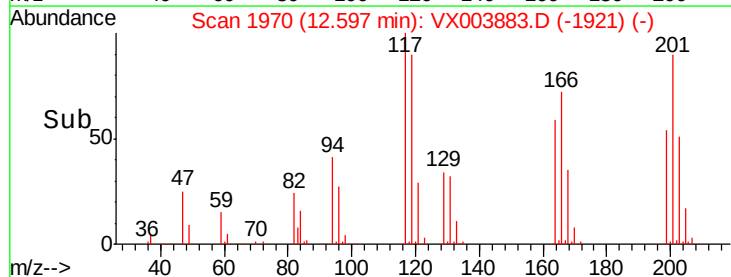
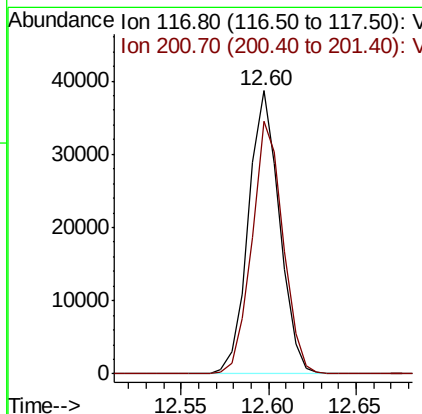
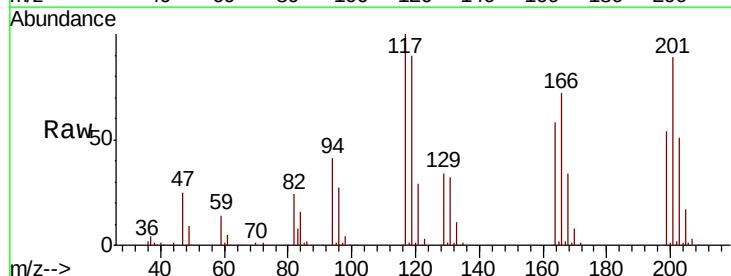
Manual Integrations
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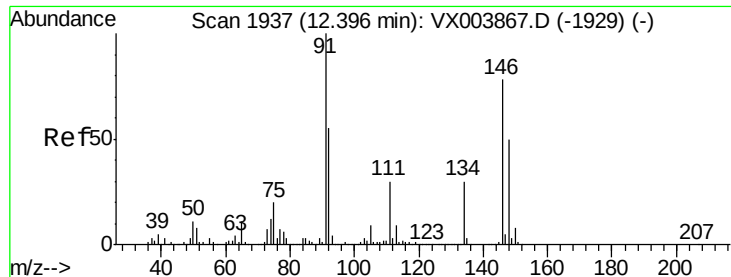
MMDadoda
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#90
Hexachloroethane
Concen: 18.72 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47555		
201	89.4		46.1	138.2





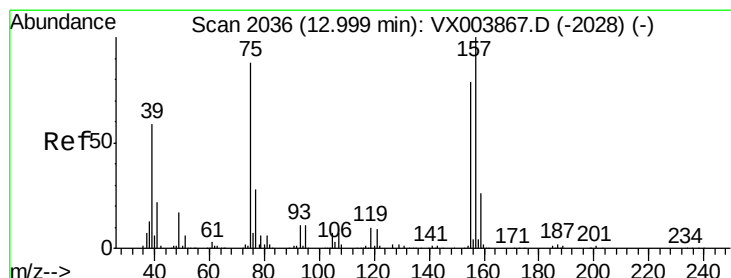
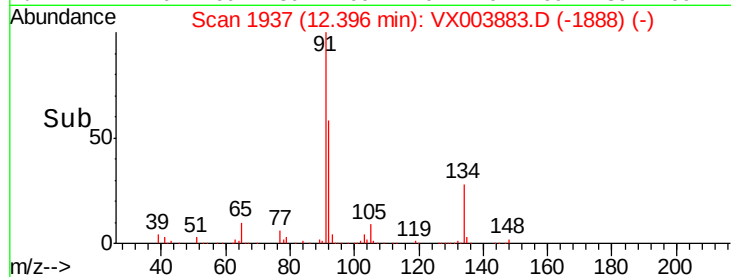
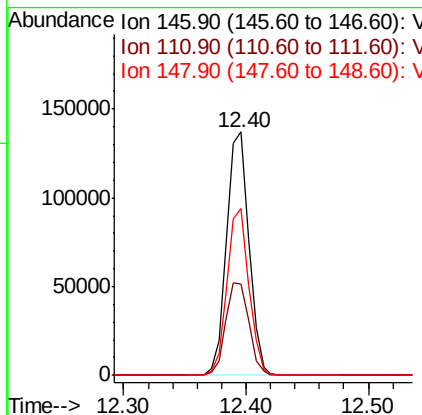
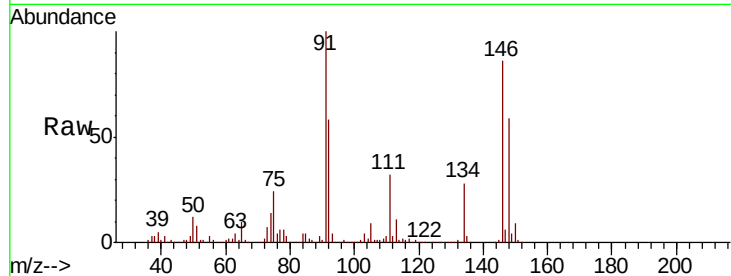
#91
 1,2-Dichlorobenzene
 Concen: 19.20 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Instrument :
 MSVOA_X
 ClientSampled :
 VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	66.8	31.9	95.5

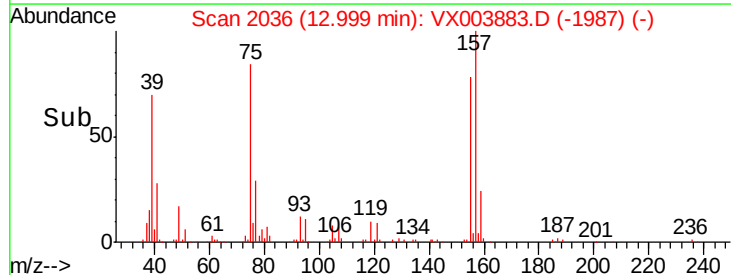
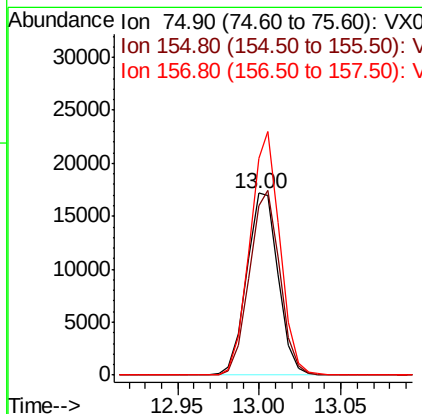
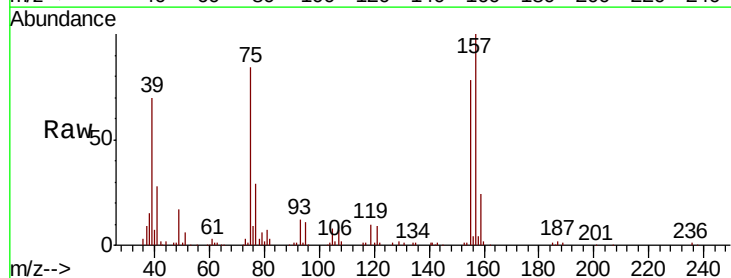
Manual Integrations
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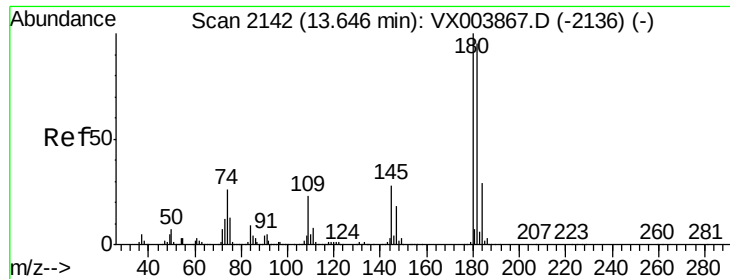
MMDadoda
 8/8/2018 12:01:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.88 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.7	146.1
157	127.2	62.6	187.8





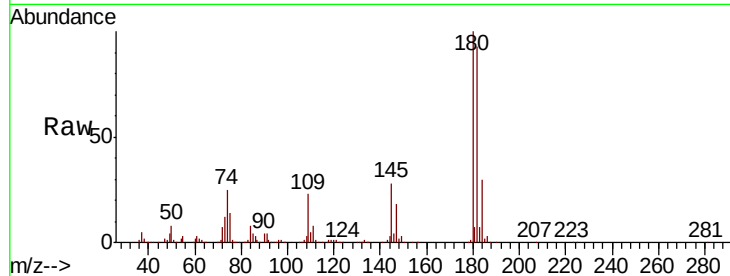
#93
 1,2,4-Trichlorobenzene
 Concen: 20.76 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134423		
182	95.4	47.7	143.1	
145	28.8	13.9	41.6	

Manual Integrations
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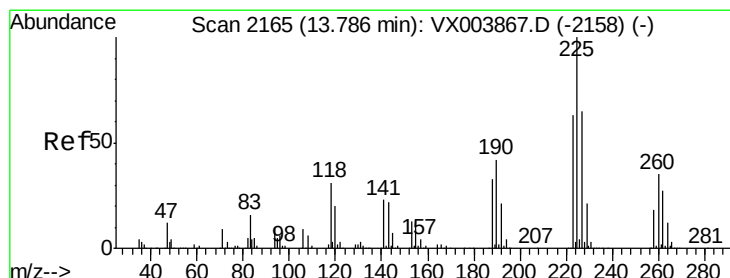
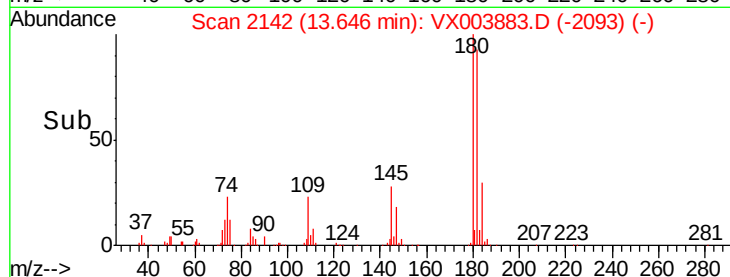
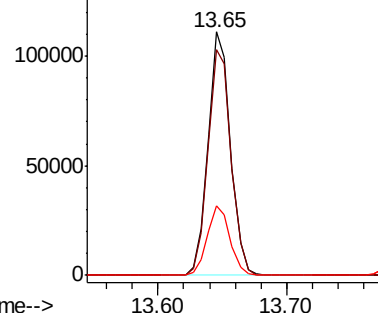


Abundance

Ion 179.80 (179.50 to 180.50): V

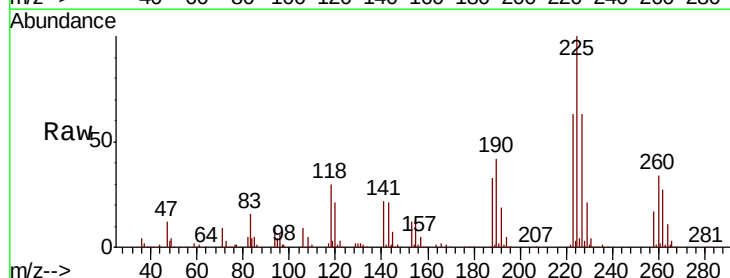
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.38 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003883.D
 Acq: 07 Aug 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63231		
223	62.8	31.4	94.0	
227	63.7	32.1	96.5	

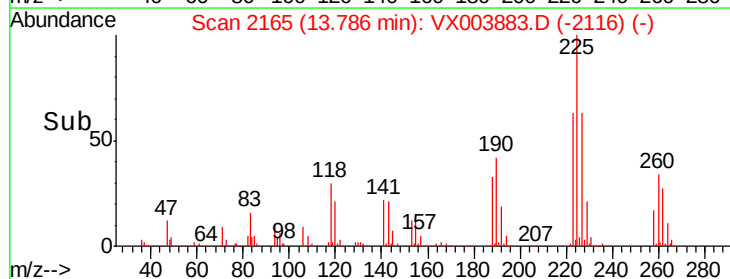
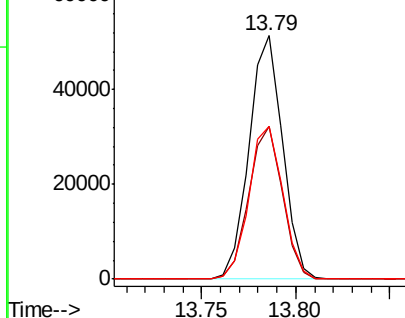


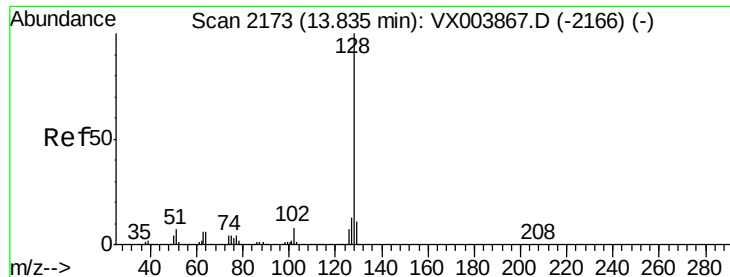
Abundance

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





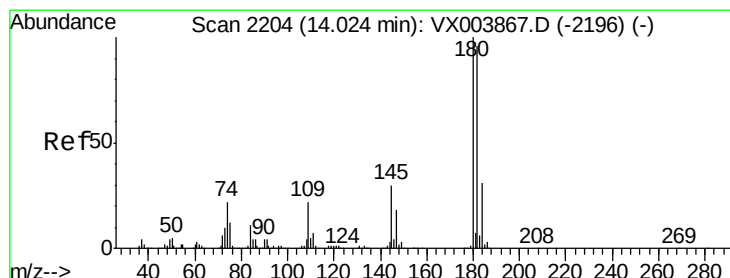
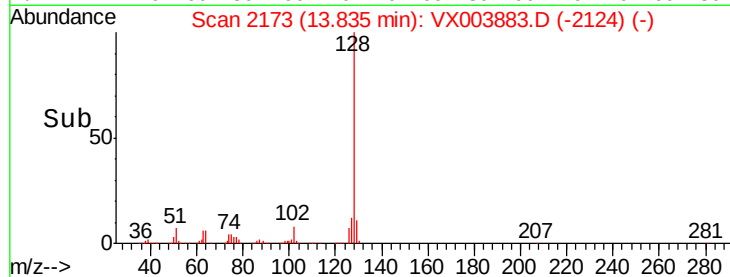
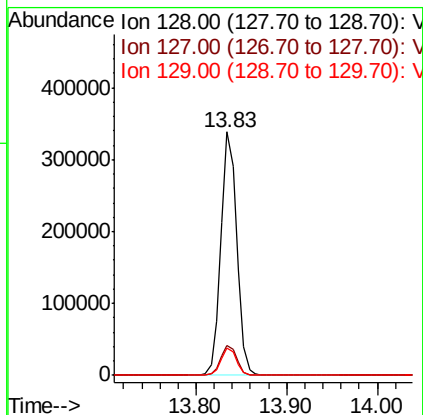
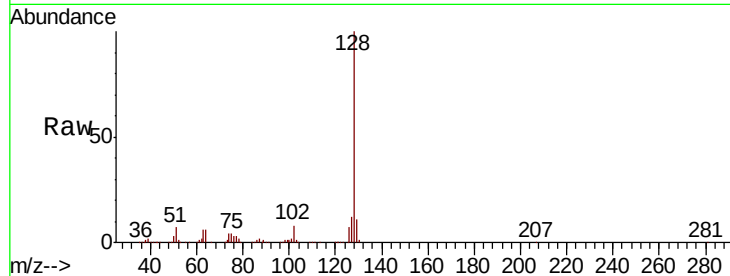
#95
Naphthalene
Concen: 22.39 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion:	128	Resp:	415122
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.10 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003883.D
Acq: 07 Aug 2018 16:32

Tgt Ion:	180	Resp:	142780
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.1	144.4
145	30.5	14.9	44.7

