

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003938.D
 Acq On : 08 Aug 2018 21:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/9/2018 10:40:47 AM

Quant Time: Aug 09 05:14:46 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	351934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	528926	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	493997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	275483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	230317	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	5.51	113	194790	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	8.72	98	747254	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.14	95	278302	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	167445	46.95	ug/l	100
3) Chloromethane	1.32	50	208059	42.88	ug/l	99
4) Vinyl Chloride	1.40	62	219753	45.41	ug/l	99
5) Bromomethane	1.64	94	90788	34.49	ug/l	98
6) Chloroethane	1.72	64	149619	48.33	ug/l	100
7) Trichlorofluoromethane	1.92	101	296979	46.48	ug/l	99
8) Diethyl Ether	2.19	74	136830	47.65	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	182888	45.80	ug/l	99
10) Methyl Iodide	2.51	142	147007	29.59	ug/l	100
11) Tert butyl alcohol	3.08	59	275650	245.89	ug/l	100
12) 1,1-Dichloroethene	2.37	96	176948	46.84	ug/l	99
13) Acrolein	2.29	56	115671	199.37	ug/l	100
14) Allyl chloride	2.72	41	332487	45.66	ug/l	99
15) Acrylonitrile	3.15	53	626309	234.14	ug/l	100
16) Acetone	2.45	43	623835	224.77	ug/l	100
17) Carbon Disulfide	2.56	76	475700	44.48	ug/l	99
18) Methyl Acetate	2.78	43	289981	47.98	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	659721	49.29	ug/l	99
20) Methylene Chloride	2.86	84	210043	47.95	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	196868	45.91	ug/l	99
22) Diisopropyl ether	3.87	45	640746	47.87	ug/l	99
23) Vinyl Acetate	3.82	43	2703116	242.72	ug/l	99
24) 1,1-Dichloroethane	3.70	63	374063	47.05	ug/l	99
25) 2-Butanone	4.71	43	1028606	246.50	ug/l	98
26) 2,2-Dichloropropane	4.58	77	217653	37.96	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	229414	49.30	ug/l	95
28) Bromochloromethane	5.02	49	165505	48.64	ug/l	97
29) Tetrahydrofuran	5.17	42	520405	242.64	ug/l	99
30) Chloroform	5.21	83	362736	48.46	ug/l	98
31) Cyclohexane	5.57	56	325092	48.35	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	313608	49.96	ug/l	99
36) 1,1-Dichloropropene	5.80	75	277217	46.80	ug/l	100
37) Ethyl Acetate	4.87	43	308080	47.28	ug/l	99
38) Carbon Tetrachloride	5.78	117	268917	47.69	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	333960	47.81	ug/l	97
40) Benzene	6.14	78	843676	47.43	ug/l	100
41) Methacrylonitrile	5.07	41	171991	47.92	ug/l	99
42) 1,2-Dichloroethane	6.20	62	286858	47.69	ug/l	100
43) Isopropyl Acetate	6.47	43	484104	49.37	ug/l	99
44) Trichloroethene	7.21	130	226636	46.59	ug/l	94
45) 1,2-Dichloropropane	7.52	63	217164	47.28	ug/l	99
46) Dibromomethane	7.67	93	140359	47.06	ug/l	99
47) Bromodichloromethane	7.90	83	268907	47.86	ug/l	99
48) Methyl methacrylate	7.78	41	249893	50.13	ug/l	98
49) 1,4-Dioxane	7.76	88	119379	1016.61	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2017690	248.23	ug/l	99
52) Toluene	8.79	92	581794	51.76	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	301081	47.41	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	327878	47.88	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	221731	48.28	ug/l	98
56) Ethyl methacrylate	9.18	69	346104	51.94	ug/l	99
57) 1,3-Dichloropropane	9.37	76	368364	47.92	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	819375	250.05	ug/l	100
59) 2-Hexanone	9.50	43	1547203	254.64	ug/l	99
60) Dibromochloromethane	9.59	129	219659	51.29	ug/l	99
61) 1,2-Dibromoethane	9.68	107	228148	49.61	ug/l	100
64) Tetrachloroethene	9.34	164	215377	44.32	ug/l	95
65) Chlorobenzene	10.14	112	603078	46.92	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	215296	48.72	ug/l	99
67) Ethyl Benzene	10.26	91	1066618	50.69	ug/l	100
68) m/p-Xylenes	10.36	106	858659	104.44	ug/l	96
69) o-Xylene	10.70	106	409316	52.74	ug/l	96
70) Styrene	10.71	104	659066	51.87	ug/l	98
71) Bromoform	10.86	173	170119	45.67	ug/l	99
73) Isopropylbenzene	11.02	105	1046012	51.33	ug/l	97
74) N-amyl acetate	6.47	43	484104	45.68	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	345560	49.47	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	302994m	49.80	ug/l	
77) Bromobenzene	11.26	156	275536	50.68	ug/l	98
78) n-propylbenzene	11.36	91	1187989	51.91	ug/l	100
79) 2-Chlorotoluene	11.42	91	699397	50.13	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	873374	52.56	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	93119	42.00	ug/l	98
82) 4-Chlorotoluene	11.51	91	823011	50.35	ug/l	100
83) tert-Butylbenzene	11.77	119	873762	53.45	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	927234	55.49	ug/l	99
85) sec-Butylbenzene	11.95	105	1006146	52.15	ug/l	99
86) p-Isopropyltoluene	12.07	119	851362	49.18	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	473210	47.09	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	469055	48.67	ug/l	99
89) n-Butylbenzene	12.39	91	671336	44.50	ug/l	100
90) Hexachloroethane	12.60	117	123056	43.78	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	442009	44.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	66343	46.37	ug/l	100

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VSTDCCC050EC

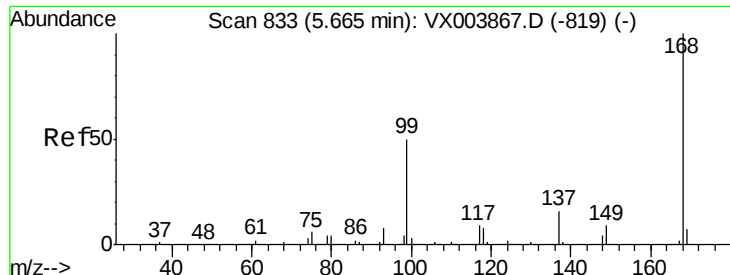
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	366535	51.16	ug/l	97
94) Hexachlorobutadiene	13.79	225	161675	51.14	ug/l	99
95) Naphthalene	13.83	128	1188254	57.91	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	375736	52.55	ug/l	100

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



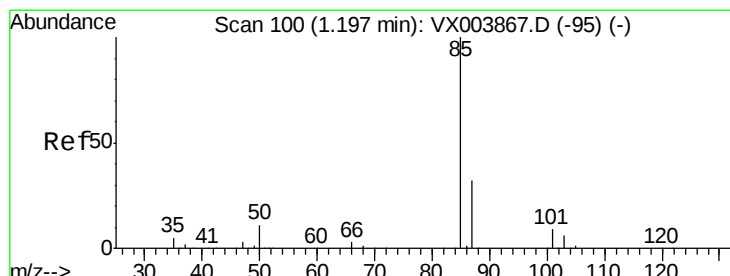
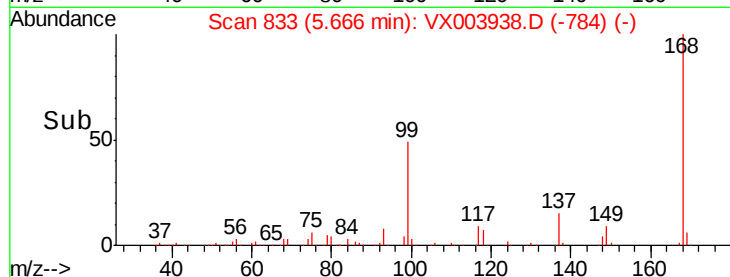
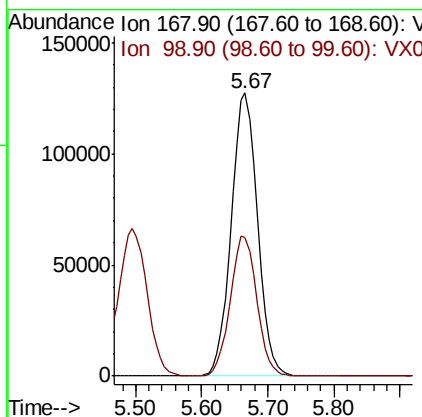
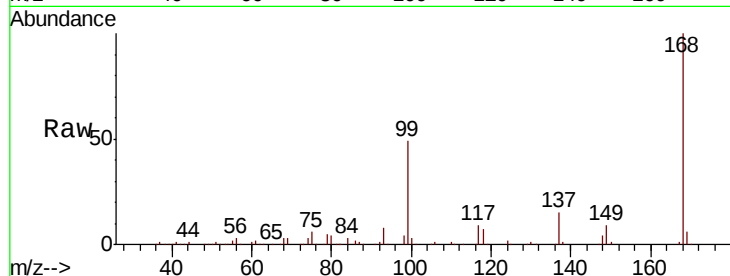
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.9	40.1	60.1

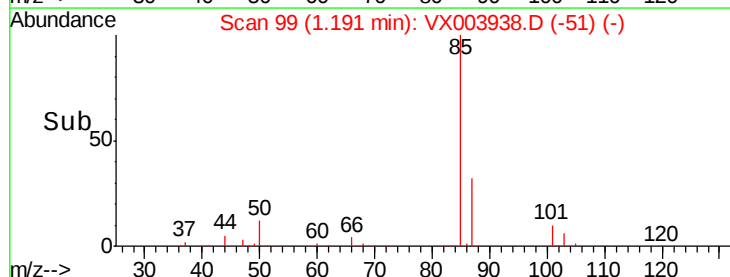
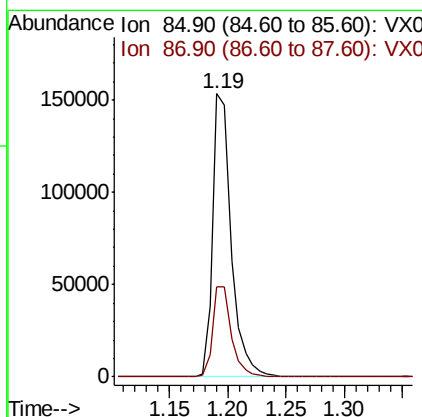
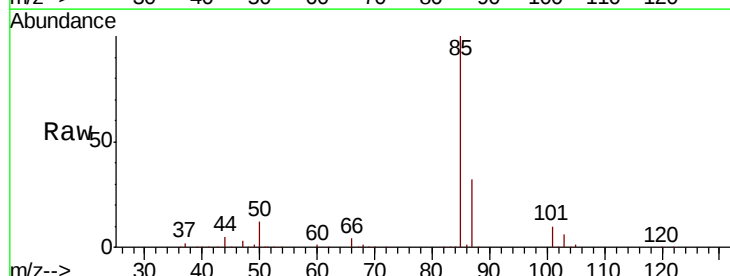
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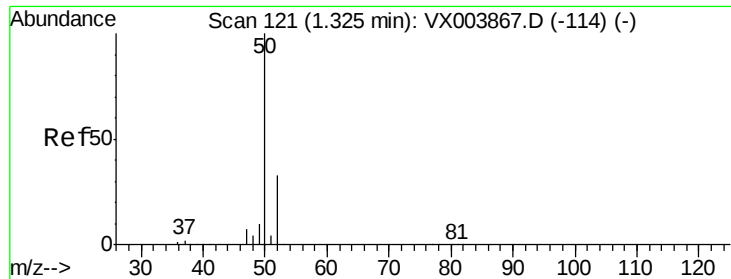
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#2
Dichlorodifluoromethane
Concen: 46.95 ug/l
RT: 1.19 min Scan# 99
Delta R.T. -0.01 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.0	48.0





#3

Chloromethane

Concen: 42.88 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 208059

Ion Ratio Lower Upper

50 100

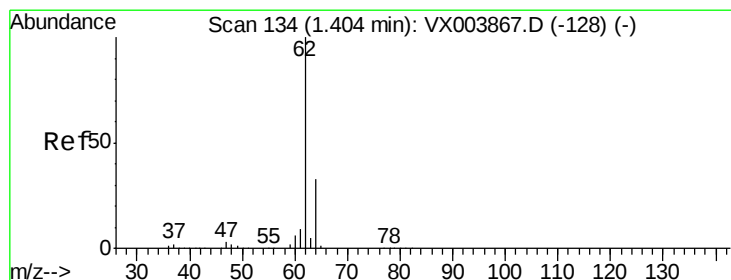
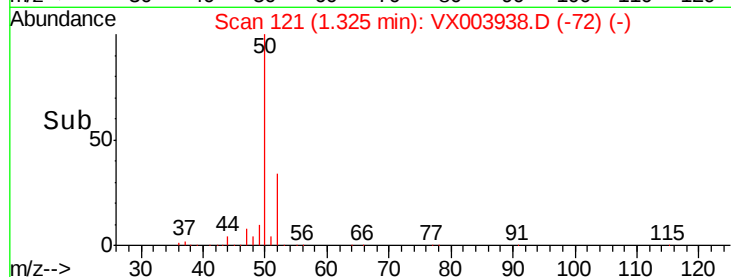
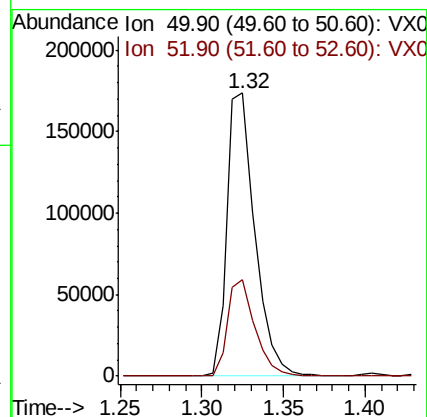
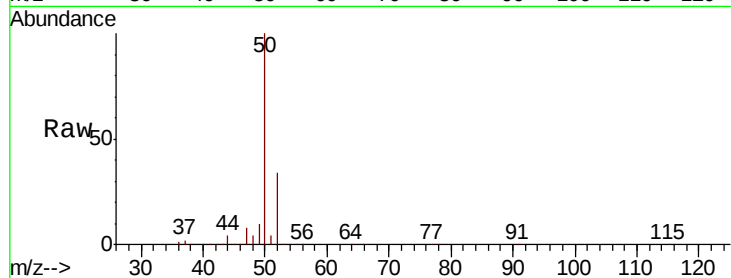
52 34.0 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.41 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003938.D

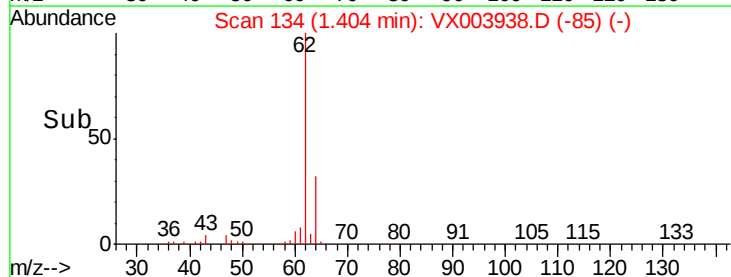
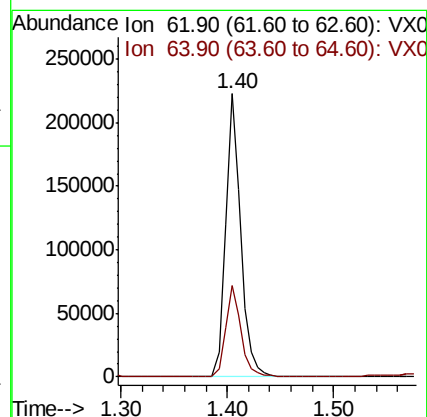
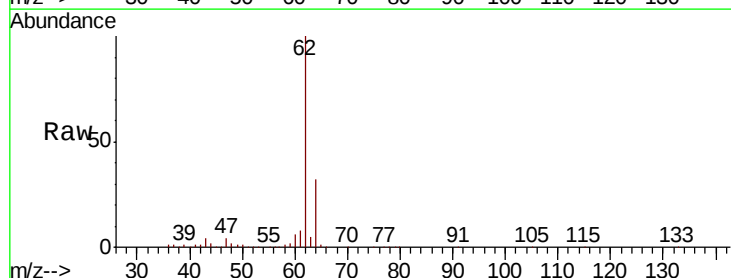
Acq: 08 Aug 2018 21:44

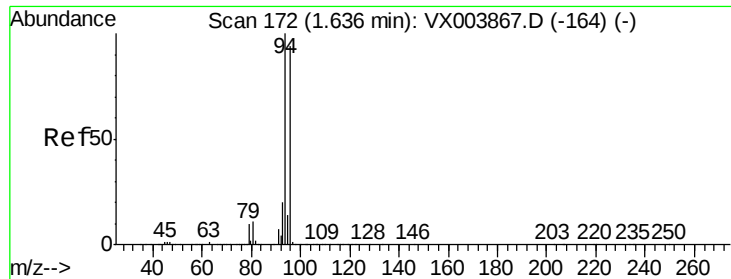
Tgt Ion: 62 Resp: 219753

Ion Ratio Lower Upper

62 100

64 31.9 26.0 39.0





#5

Bromomethane

Concen: 34.49 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 90788

Ion Ratio Lower Upper

94 100

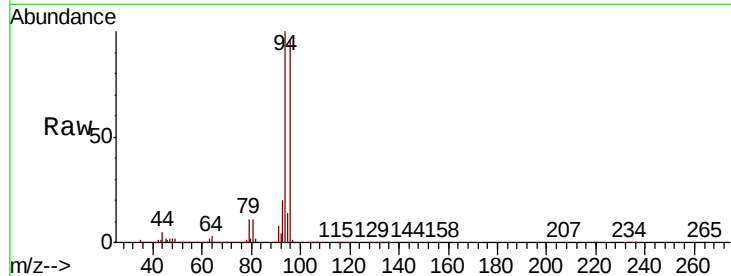
96 95.9 75.2 112.8

Manual Integrations

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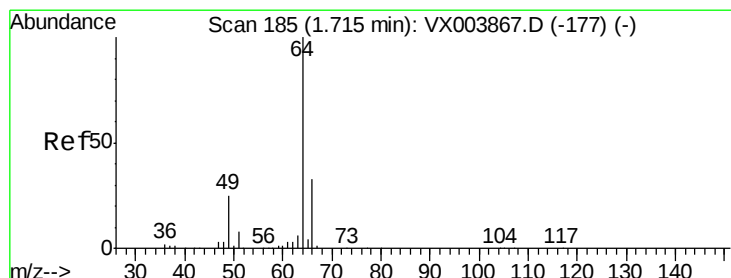
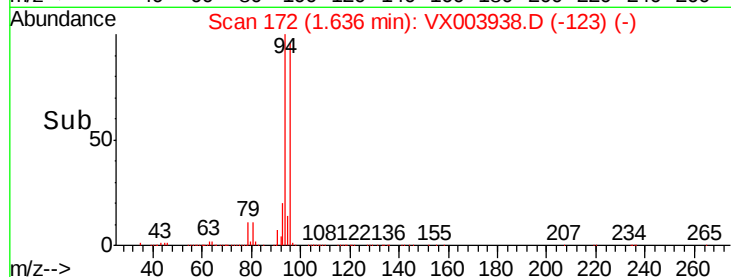
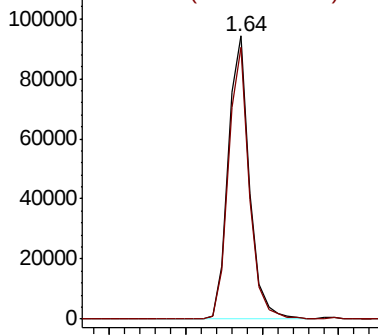
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.33 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003938.D

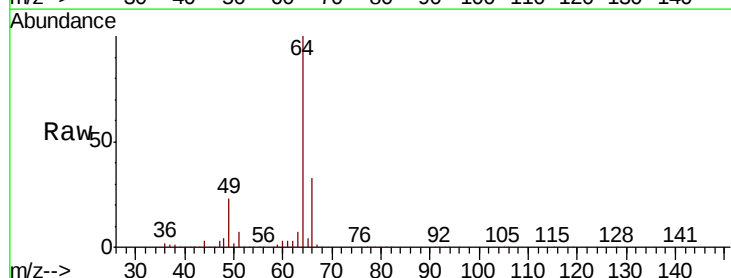
Acq: 08 Aug 2018 21:44

Tgt Ion: 64 Resp: 149619

Ion Ratio Lower Upper

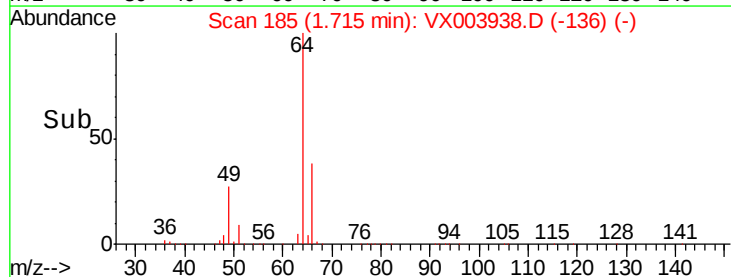
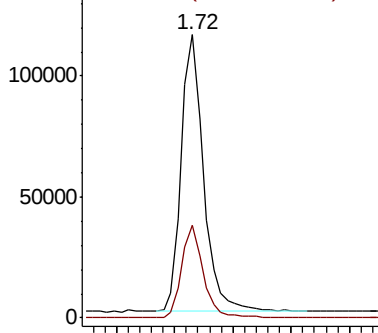
64 100

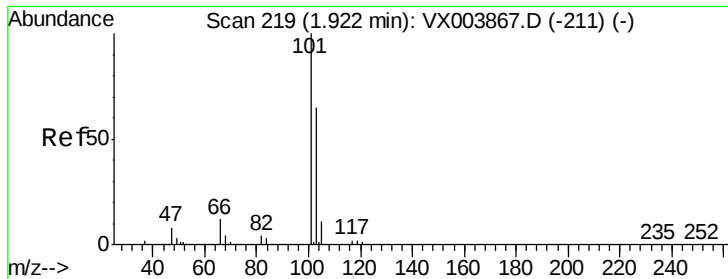
66 33.2 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

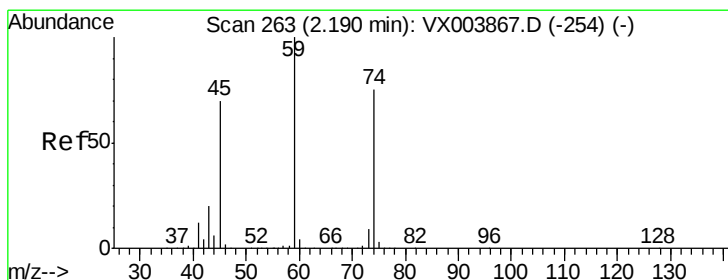
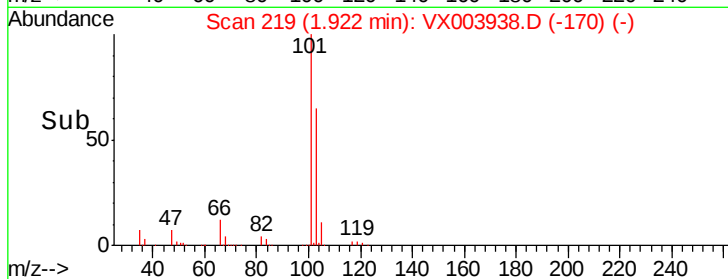
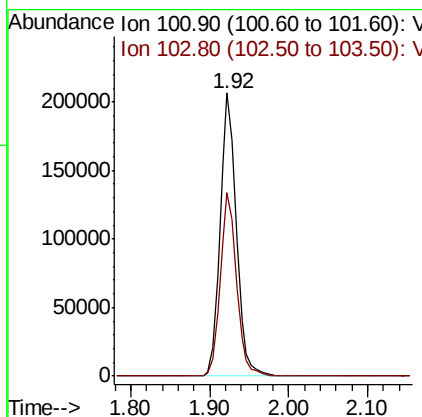
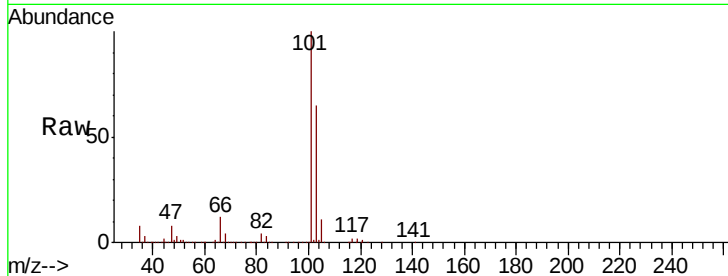
Trichlorofluoromethane
 Concen: 46.48 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.3	78.5

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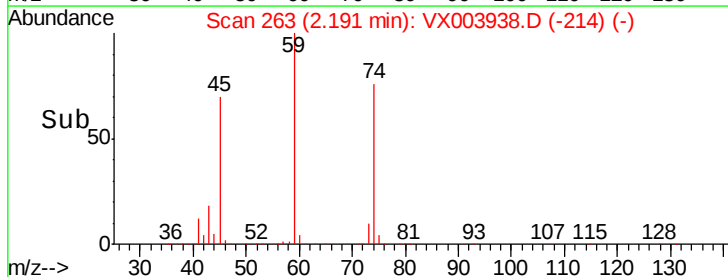
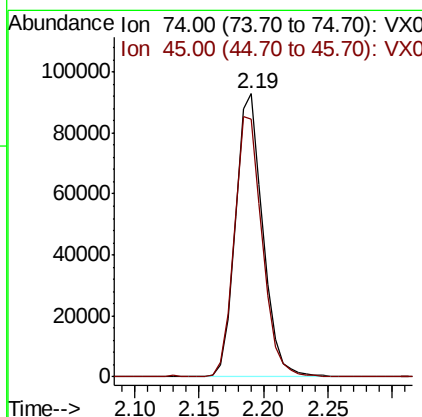
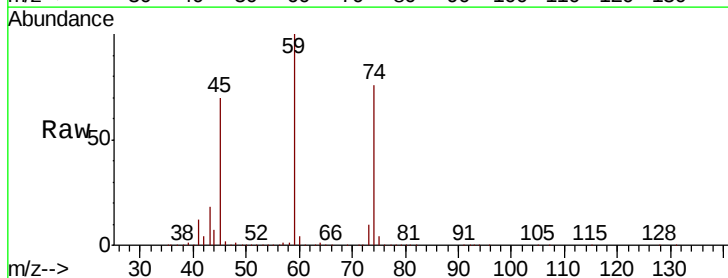
MMDadoda
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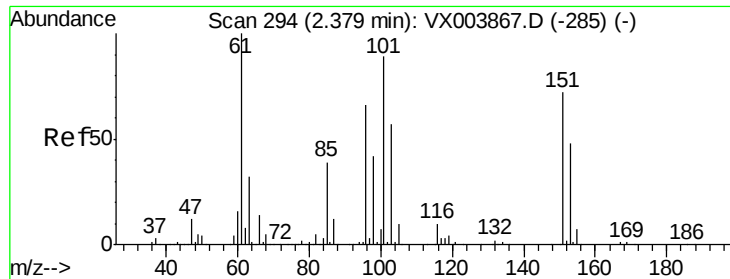


#8

Diethyl Ether
 Concen: 47.65 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.80 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

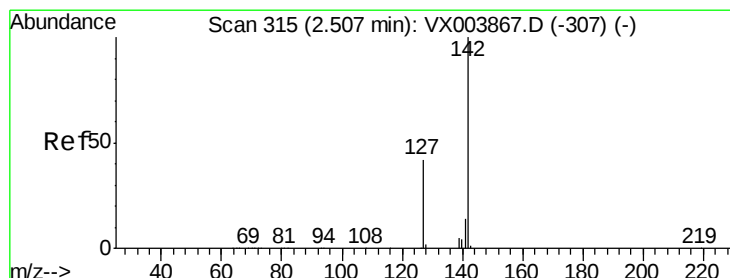
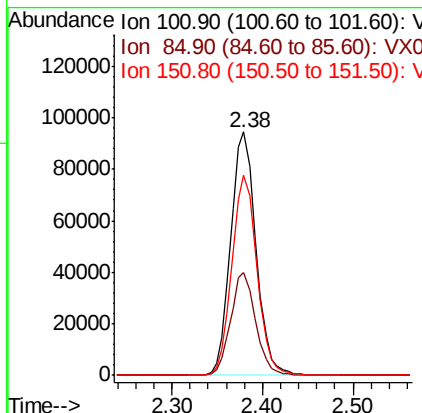
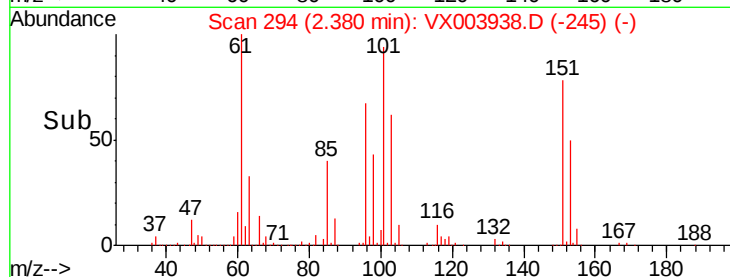
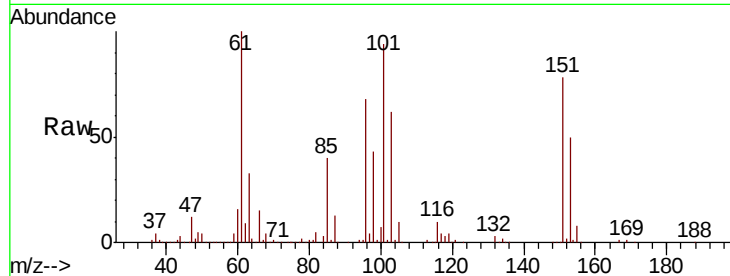
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	182888
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.4
151	81.7	65.0	97.4

Manual Integrations
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8/9/2018 10:40:47 AM



#10

Methyl Iodide

Concen: 29.59 ug/l

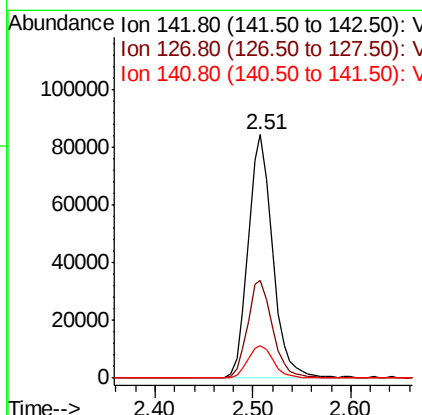
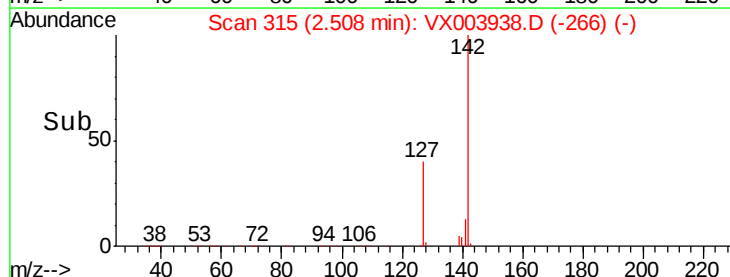
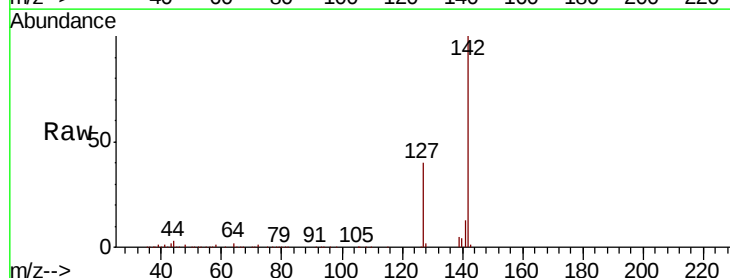
RT: 2.51 min Scan# 315

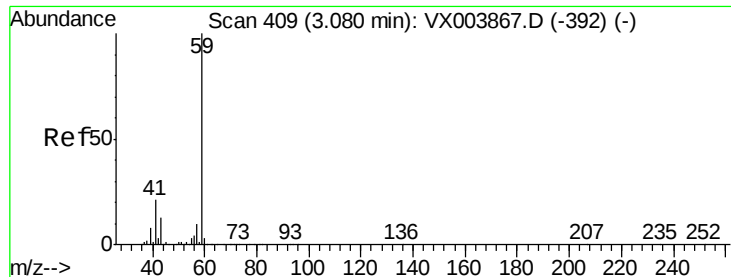
Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Tgt Ion:	142	Resp:	147007
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.1	49.7
141	14.0	11.1	16.7





#11

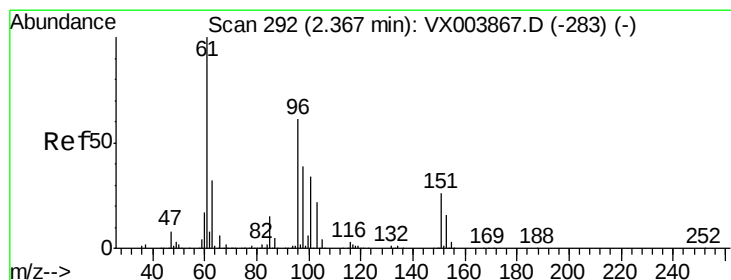
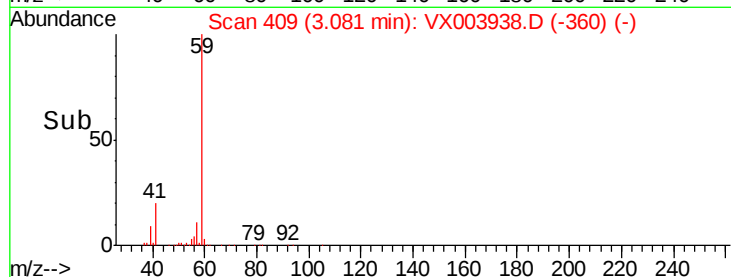
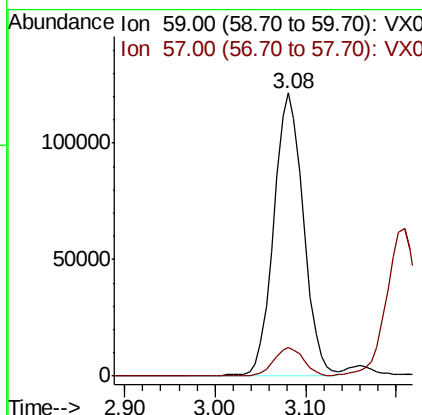
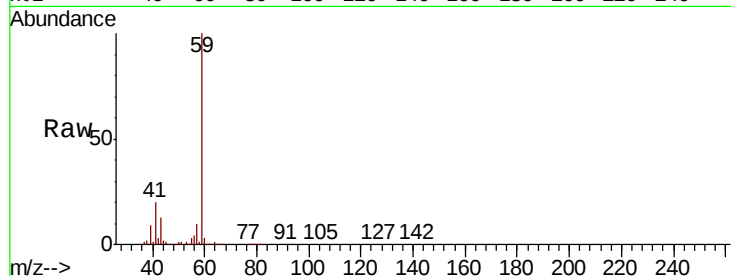
Tert butyl alcohol
 Concen: 245.89 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

Manual Integrations
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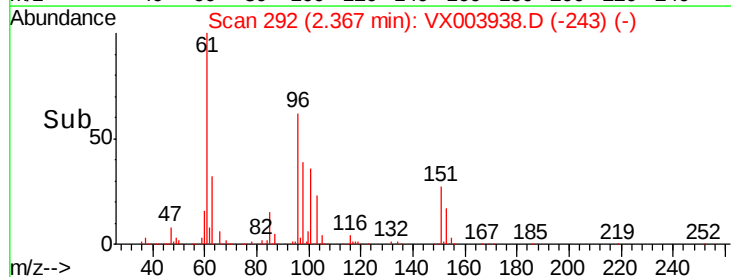
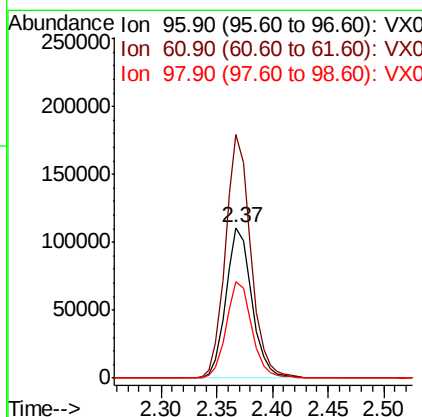
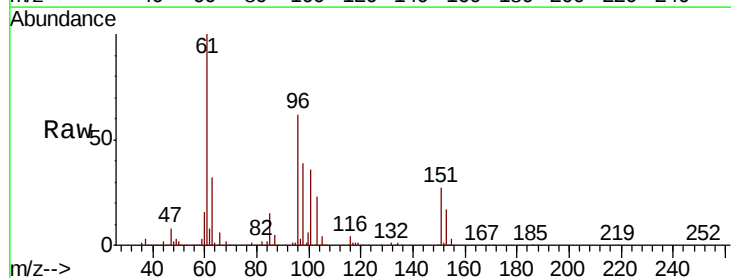
MMDadoda
 8/9/2018 10:40:47 AM

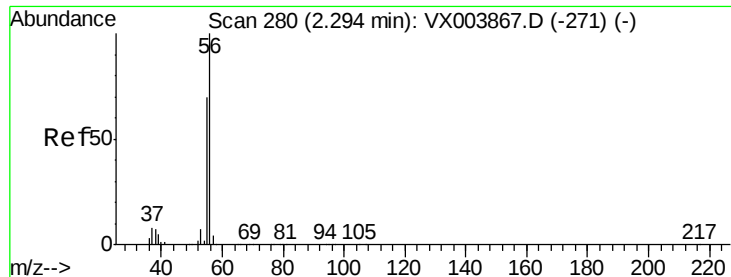


#12

1,1-Dichloroethene
 Concen: 46.84 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

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





#13

Acrolein

Concen: 199.37 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 115671

Ion Ratio Lower Upper

56 100

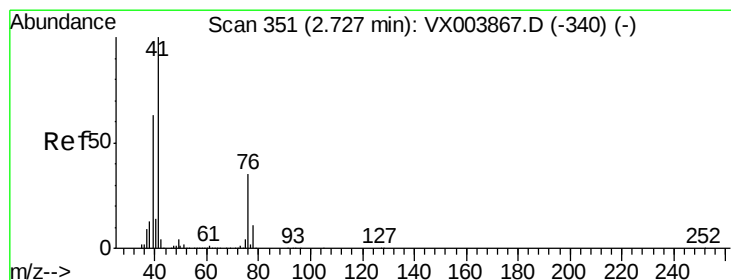
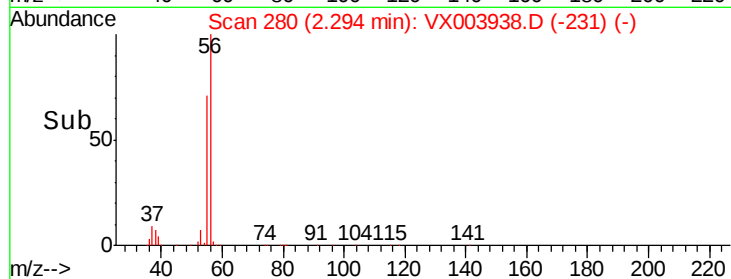
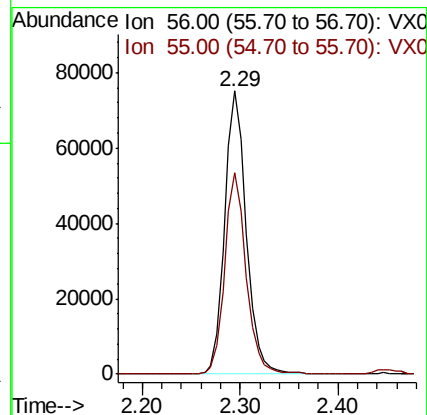
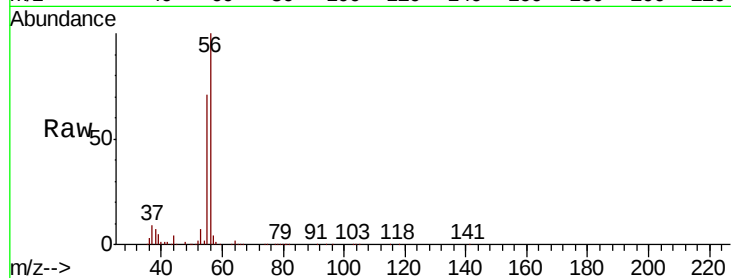
55 69.8 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 45.66 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

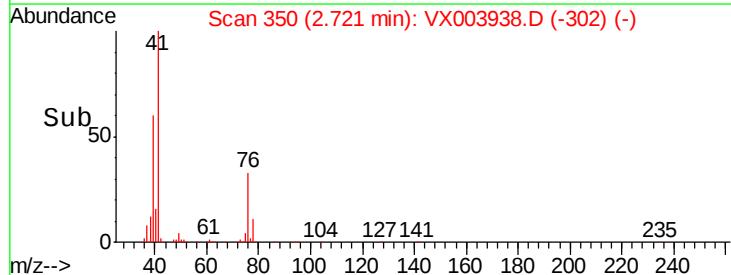
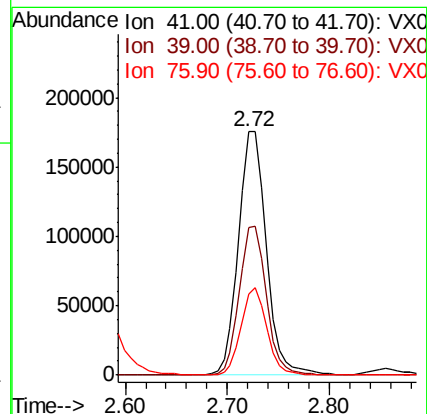
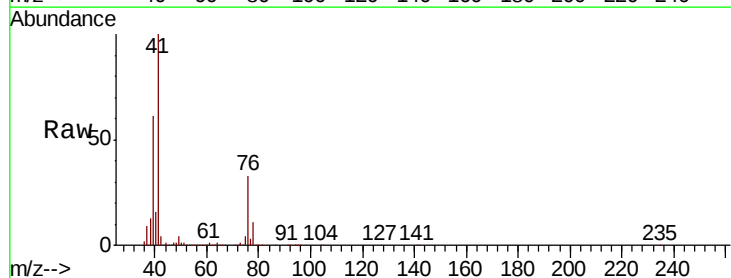
Tgt Ion: 41 Resp: 332487

Ion Ratio Lower Upper

41 100

39 59.1 47.4 71.0

76 33.1 26.0 39.0





#15

Acrylonitrile

Concen: 234.14 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

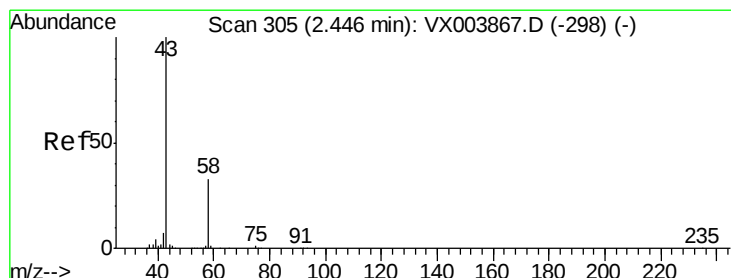
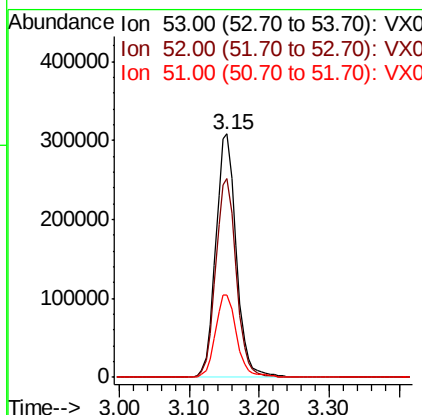
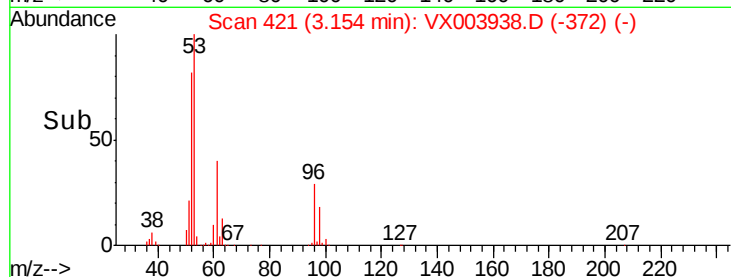
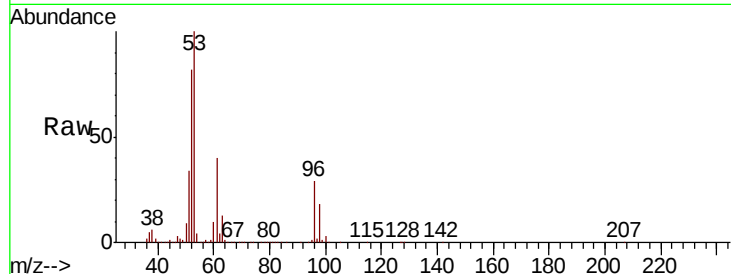
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	626309
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.3	97.9
51	34.8	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 224.77 ug/l

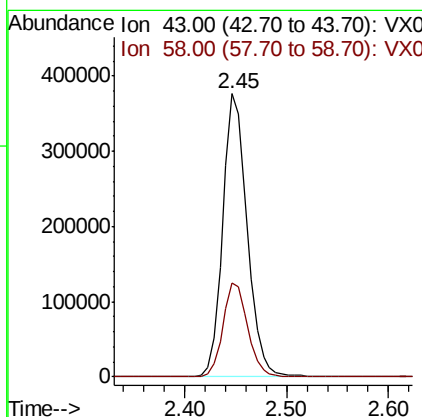
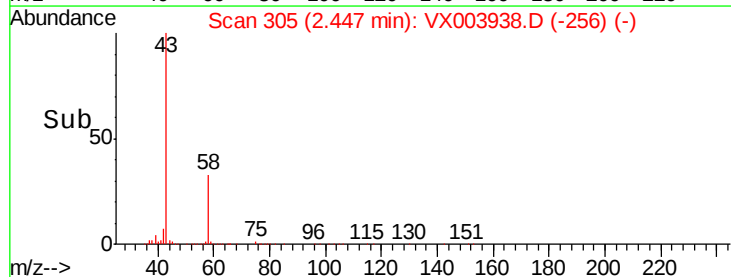
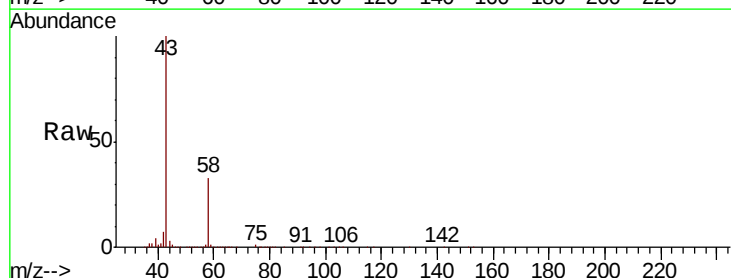
RT: 2.45 min Scan# 305

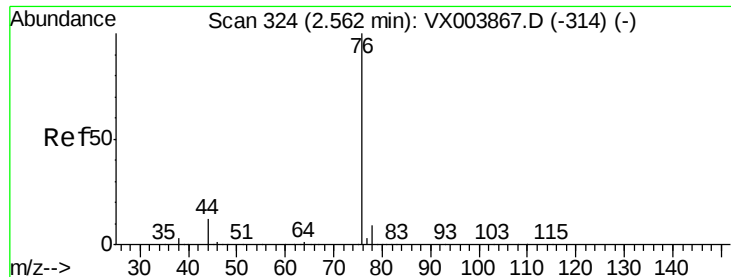
Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Tgt Ion	43	Resp	623835
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.4	39.6





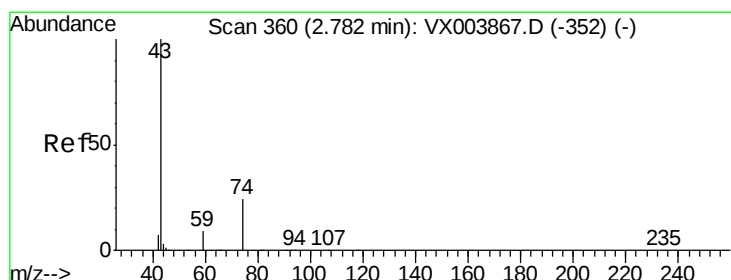
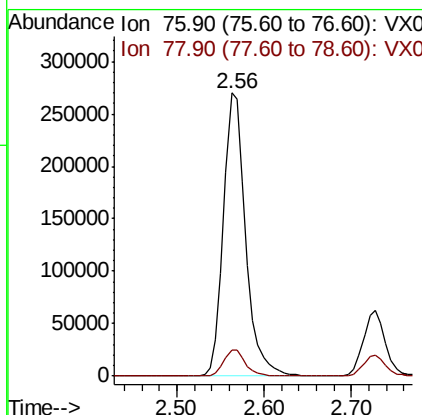
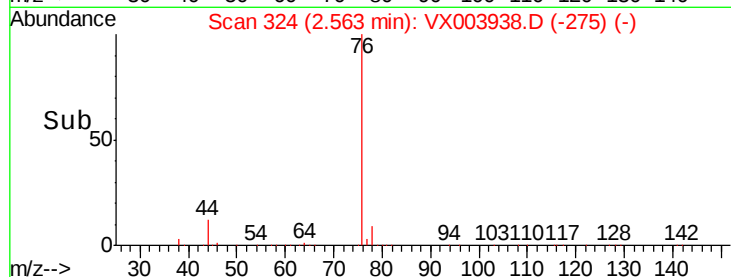
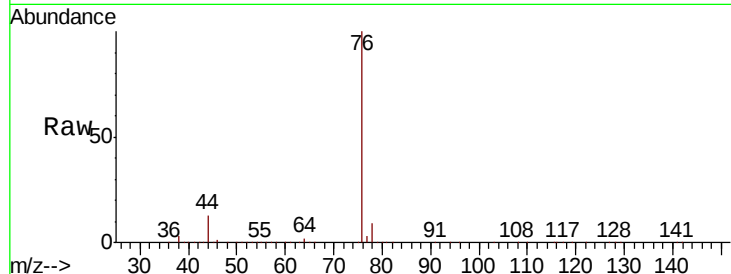
#17
Carbon Disulfide
Concen: 44.48 ug/l
RT: 2.56 min Scan# 324
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

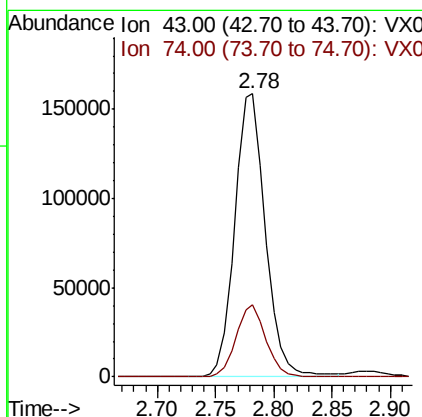
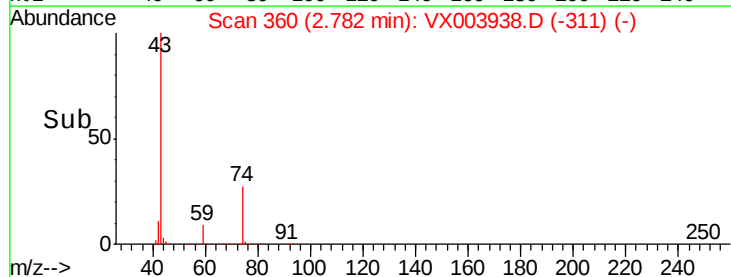
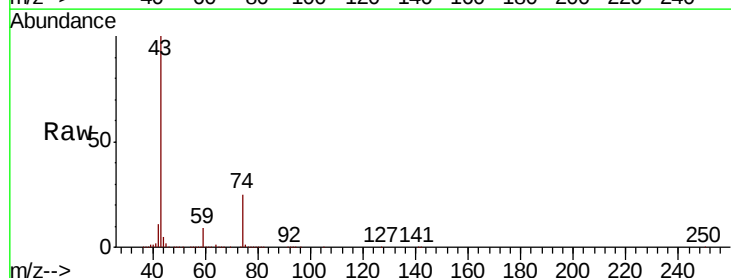
Manual Integrations
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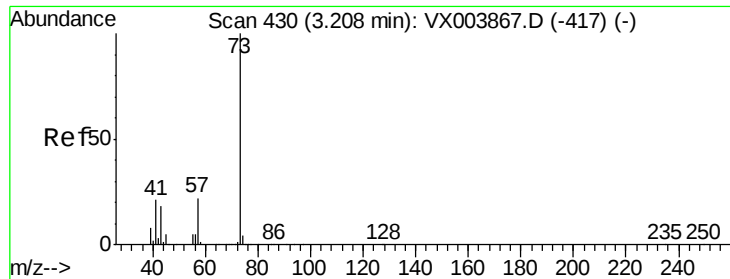
MMDadoda
8/9/2018 10:40:47 AM



#18
Methyl Acetate
Concen: 47.98 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.9	28.3





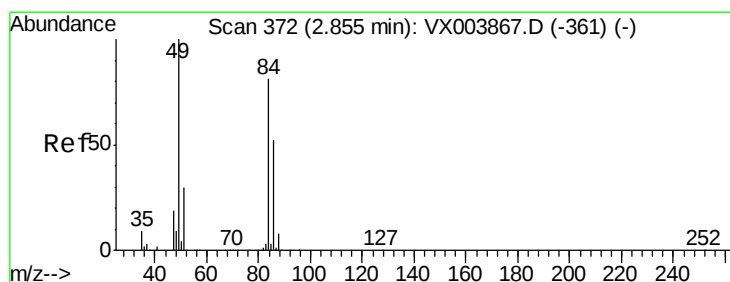
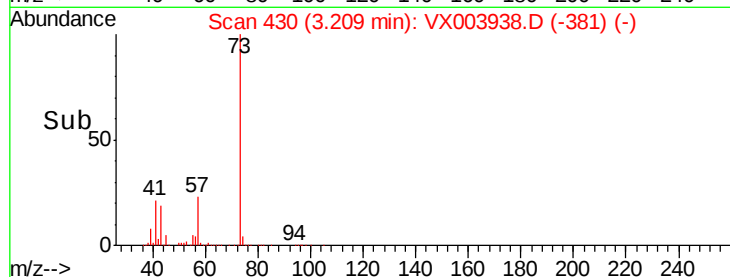
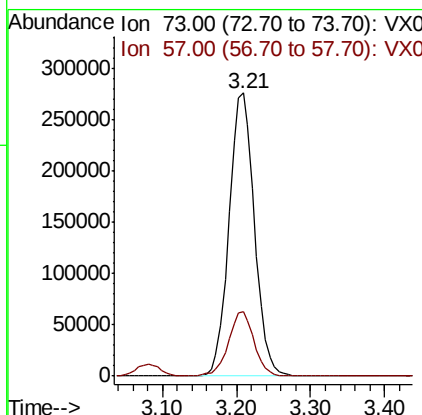
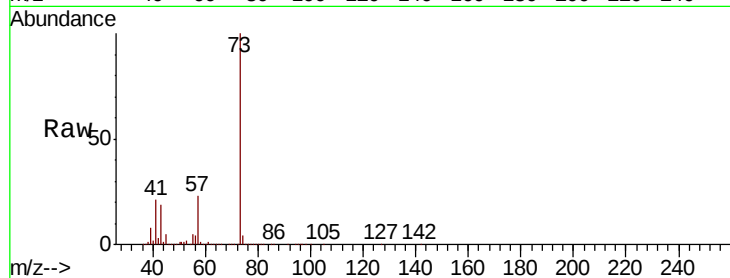
#19
Methyl tert-butyl Ether
Concen: 49.29 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.0	27.0

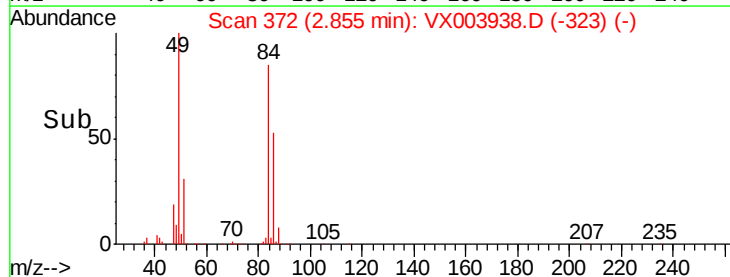
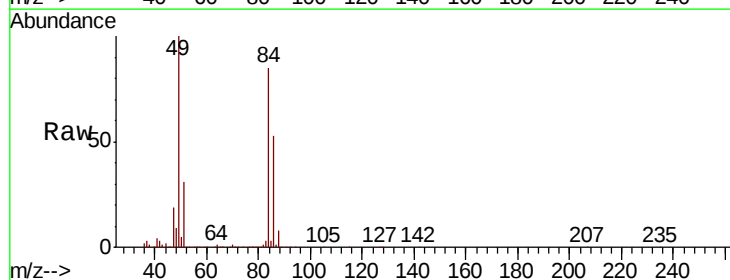
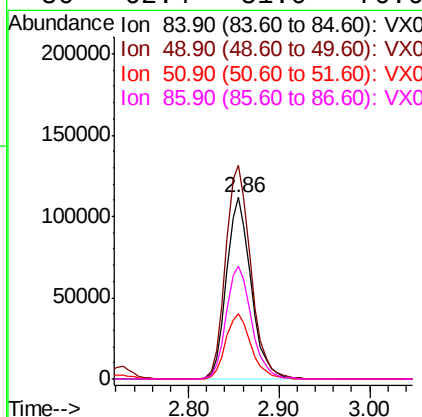
Manual Integrations
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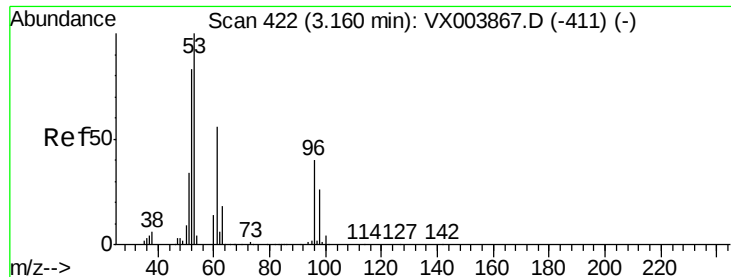
MMDadoda
8/9/2018 10:40:47 AM



#20
Methylene Chloride
Concen: 47.95 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.8	98.9	148.3
51	36.1	29.9	44.9
86	62.4	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 45.91 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

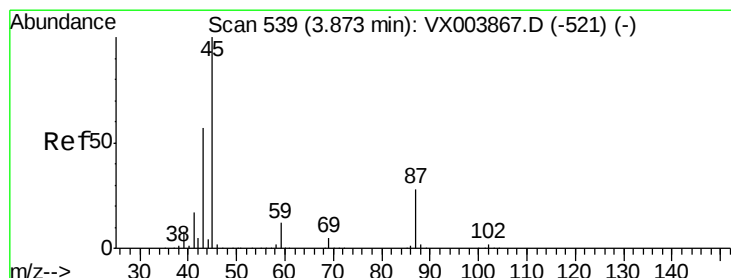
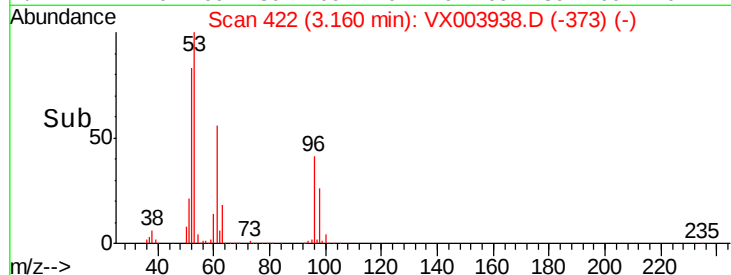
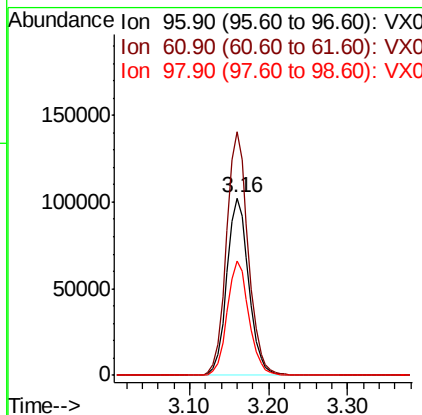
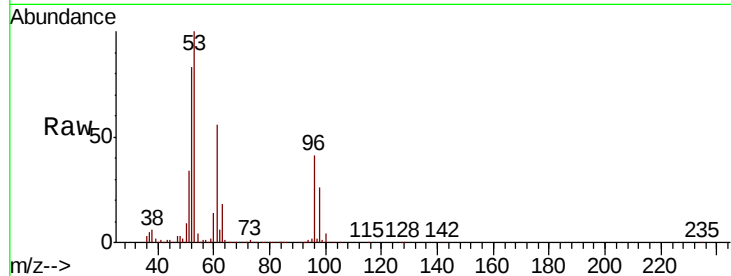
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	196868
Ion	Ratio	Lower	Upper
96	100		
61	137.4	111.8	167.6
98	64.4	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.87 ug/l

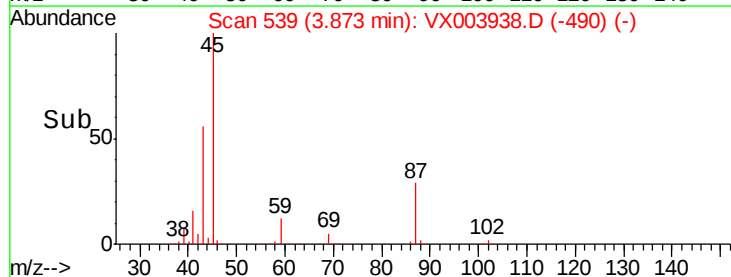
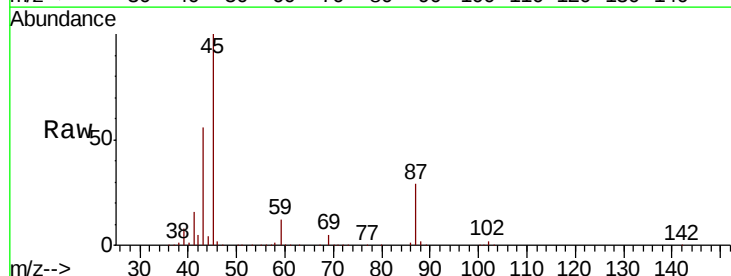
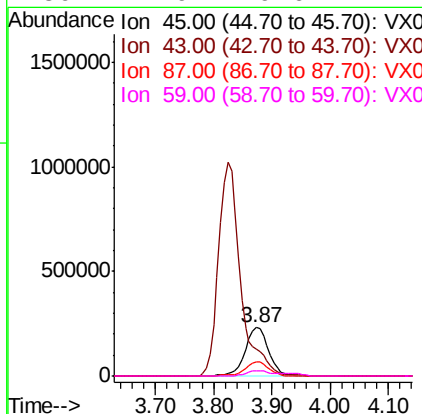
RT: 3.87 min Scan# 539

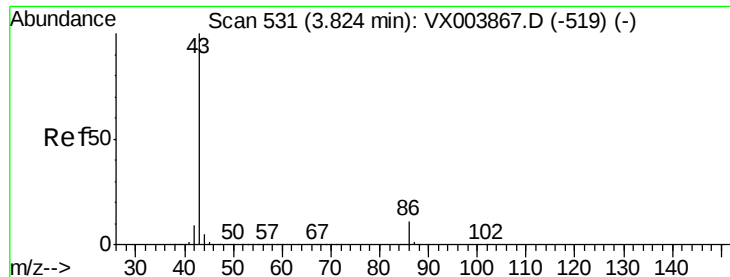
Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Tgt Ion:	45	Resp:	640746
Ion	Ratio	Lower	Upper
45	100		
43	56.4	45.3	67.9
87	29.1	22.7	34.1
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 242.72 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2703116

Ion Ratio Lower Upper

43 100

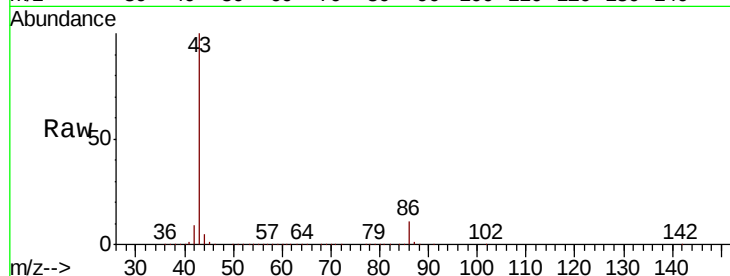
86 11.5 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1200000

1000000

800000

600000

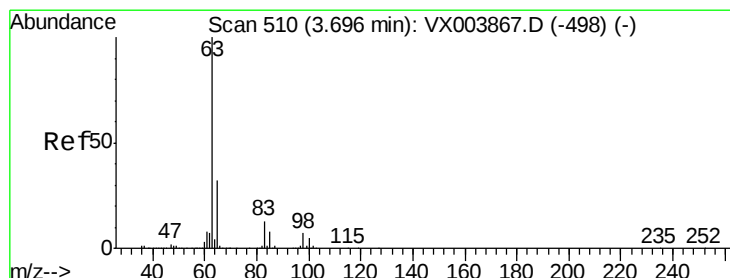
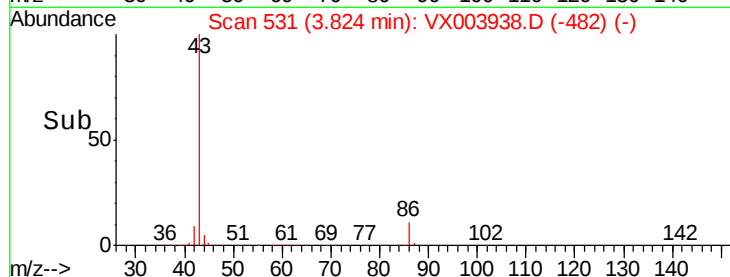
400000

200000

0

3.82

Time-->



#24

1,1-Dichloroethane

Concen: 47.05 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

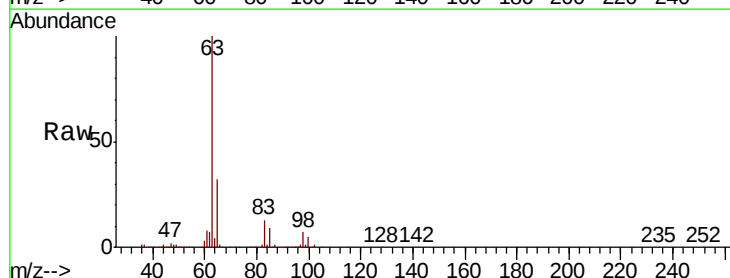
Tgt Ion: 63 Resp: 374063

Ion Ratio Lower Upper

63 100

98 7.3 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

200000

150000

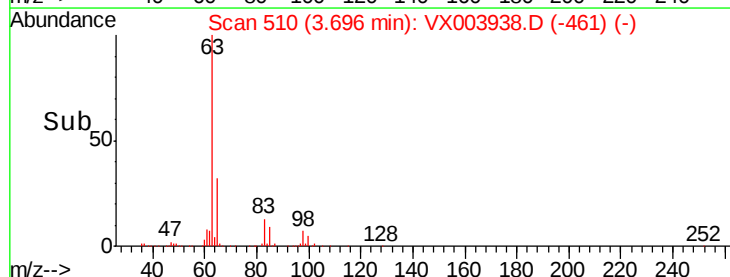
100000

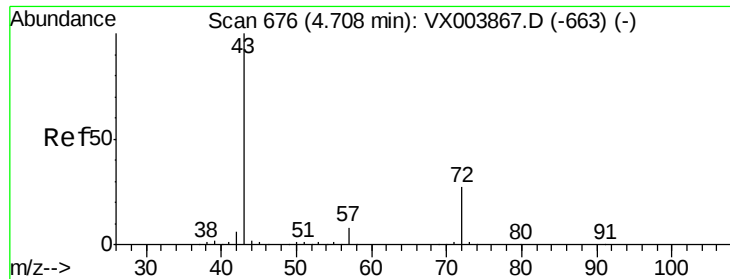
50000

0

3.70

Time-->





#25

2-Butanone

Concen: 246.50 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1028606

Ion Ratio Lower Upper

43 100

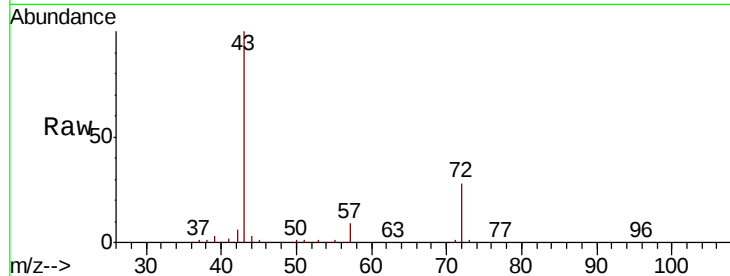
72 27.9 21.4 32.0

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

400000

300000

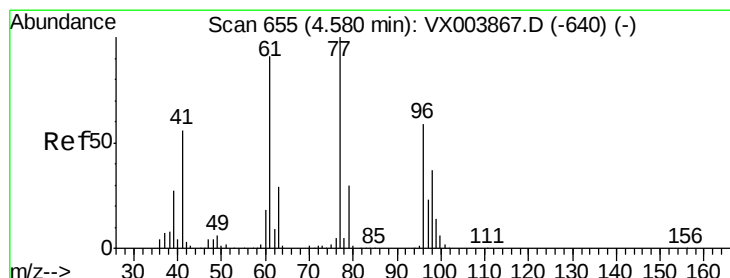
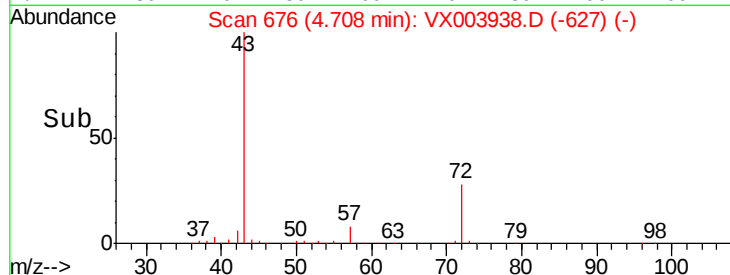
200000

100000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 37.96 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003938.D

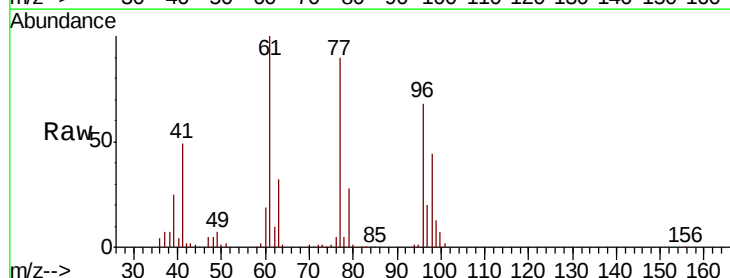
Acq: 08 Aug 2018 21:44

Tgt Ion: 77 Resp: 217653

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

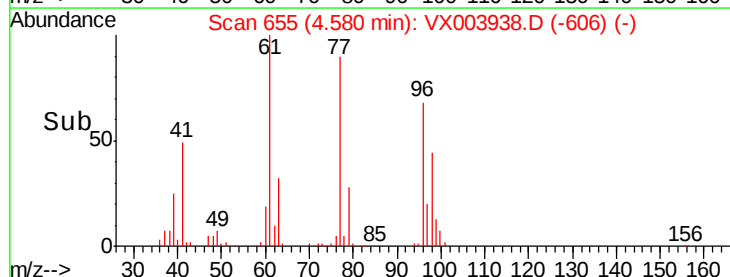
40000

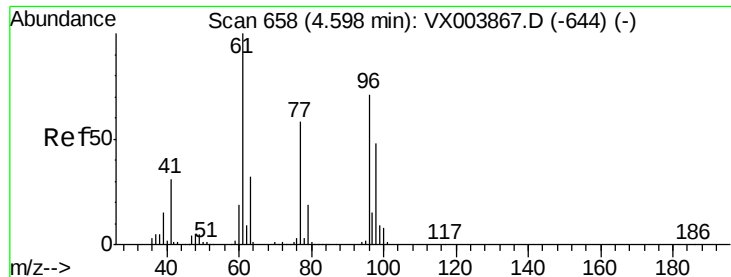
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

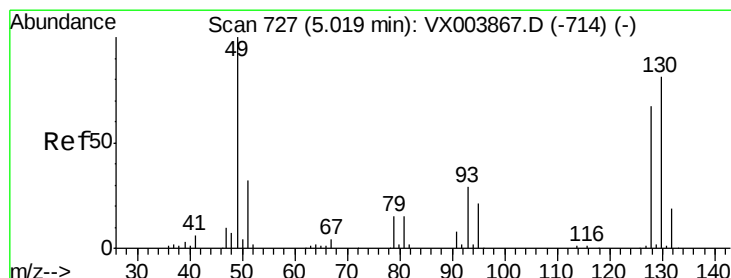
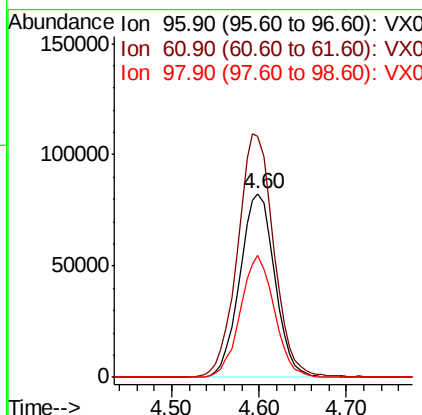
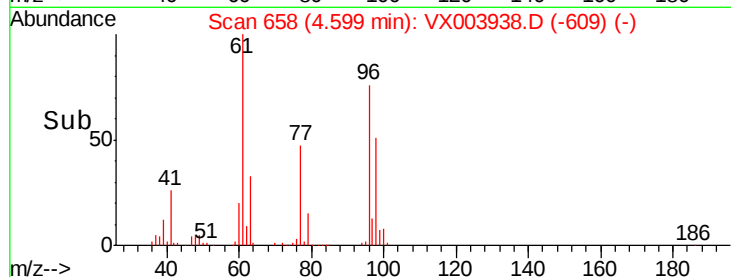
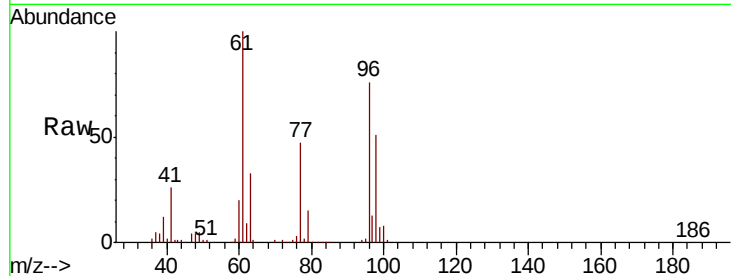
cis-1,2-Dichloroethene
Concen: 49.30 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	229414		
61	137.8	0.0	293.0	
98	64.6	0.0	131.8	

Manual Integrations
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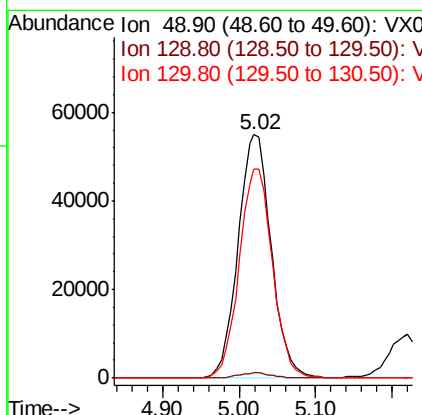
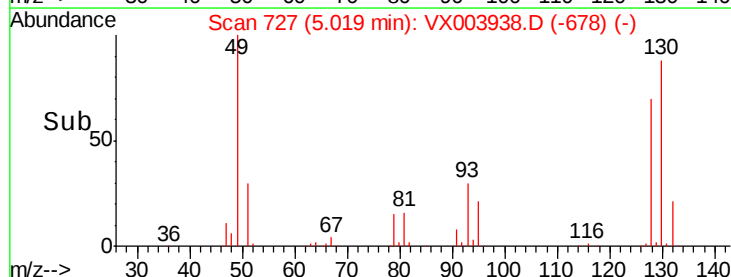
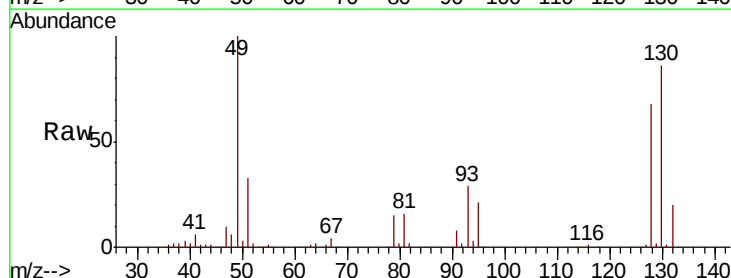
MMDadoda
8/9/2018 10:40:47 AM

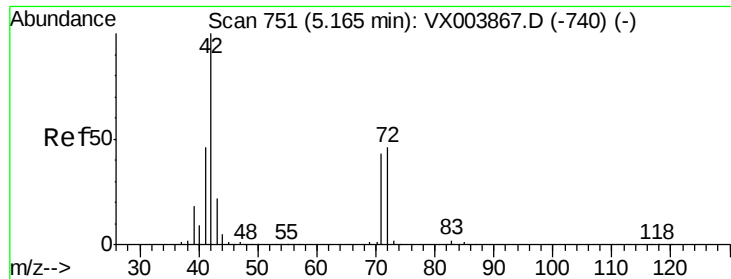


#28

Bromochloromethane
Concen: 48.64 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	165505		
129	2.1	0.0	4.2	
130	86.1	66.5	99.7	





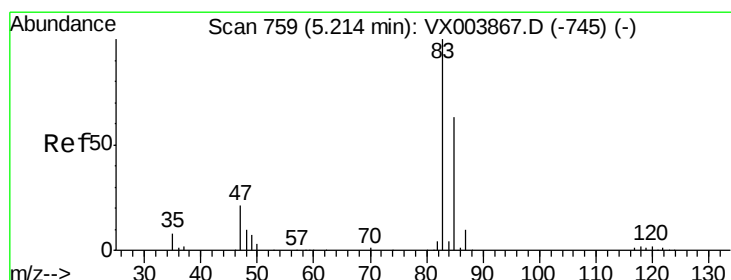
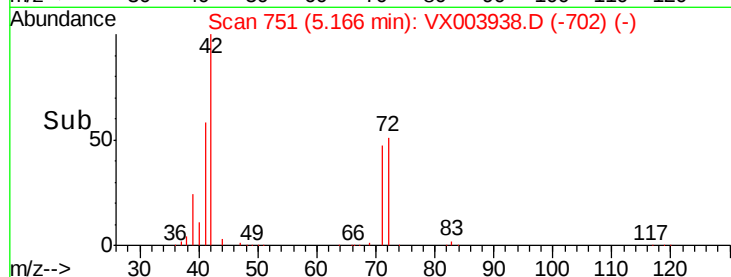
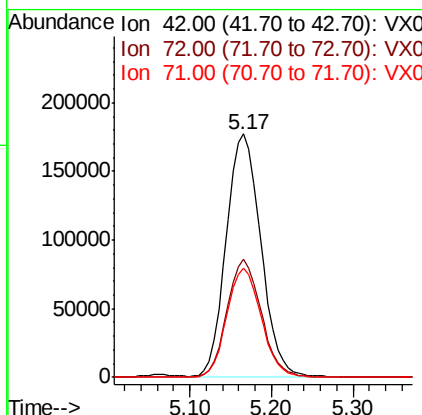
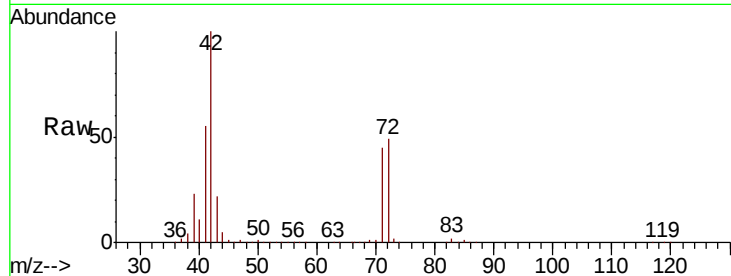
#29
Tetrahydrofuran
Concen: 242.64 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	37.7	56.5
71	44.6	35.0	52.6

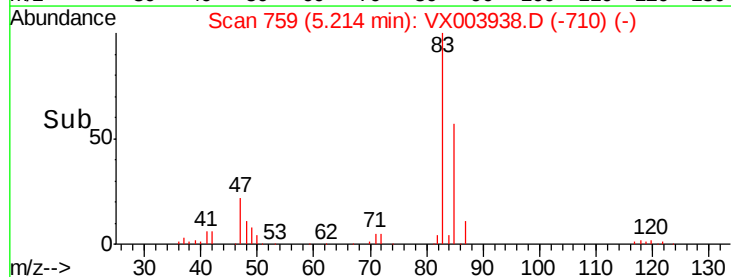
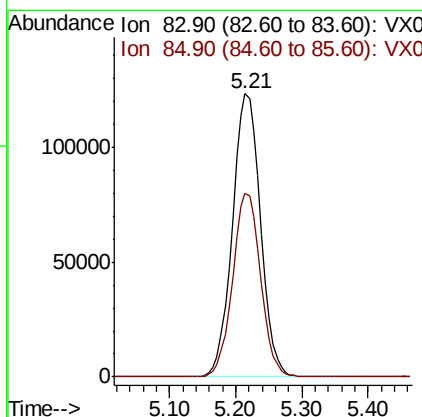
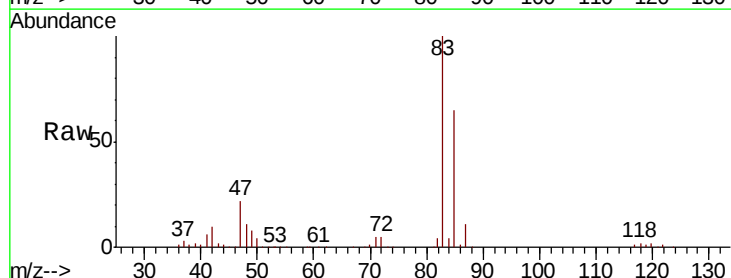
Manual Integrations
APPROVED

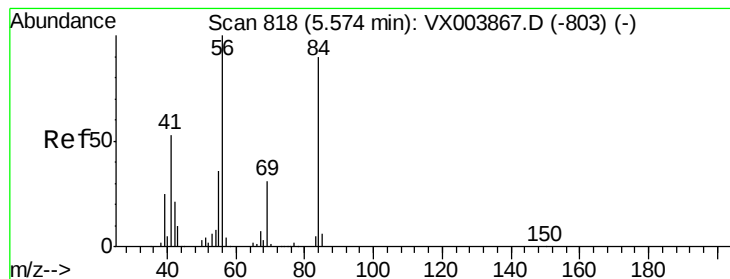
MMDadoda
8/9/2018 10:40:47 AM



#30
Chloroform
Concen: 48.46 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.7	76.1





#31

Cvclohexane

Concen: 48.35 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

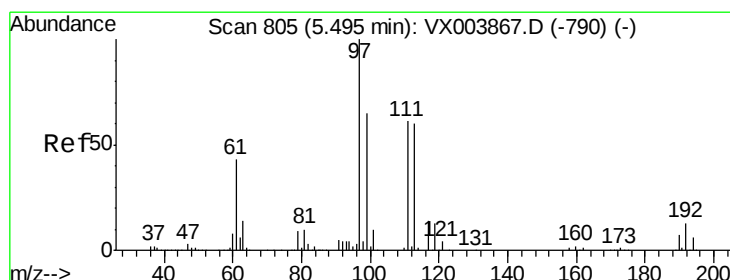
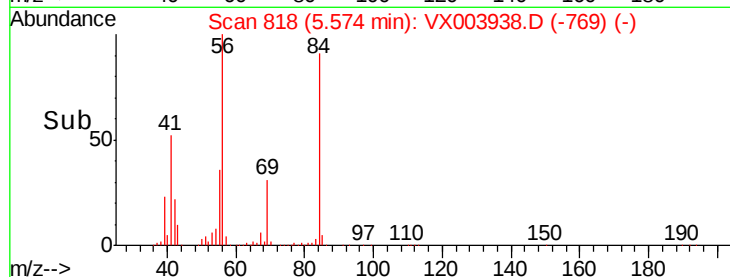
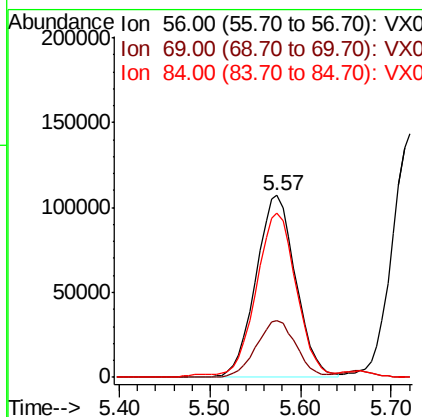
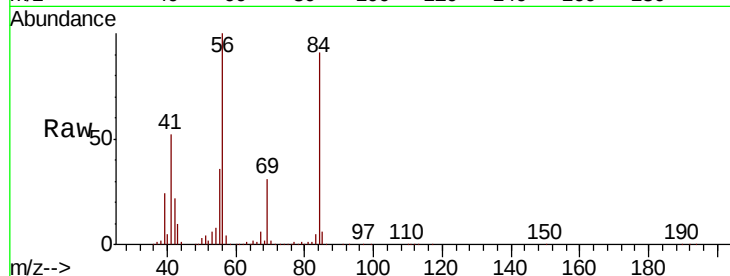
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	325092
Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.9	37.3
84	89.5	71.7	107.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.96 ug/l

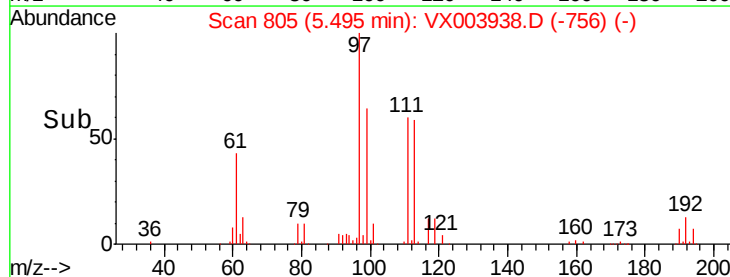
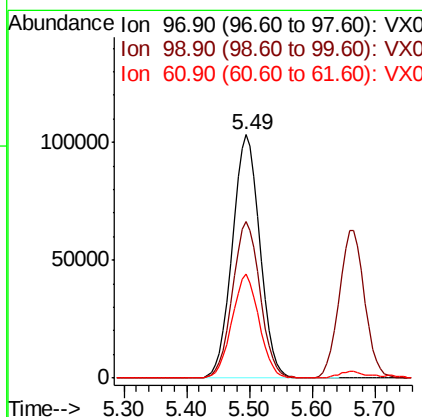
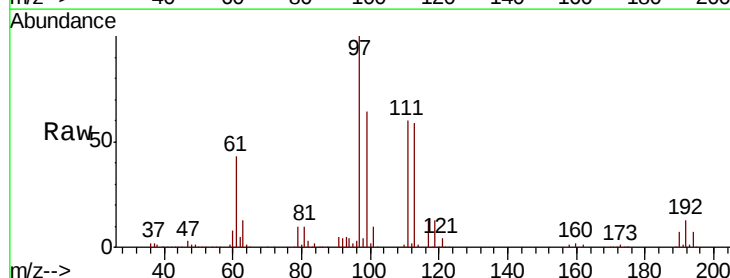
RT: 5.49 min Scan# 805

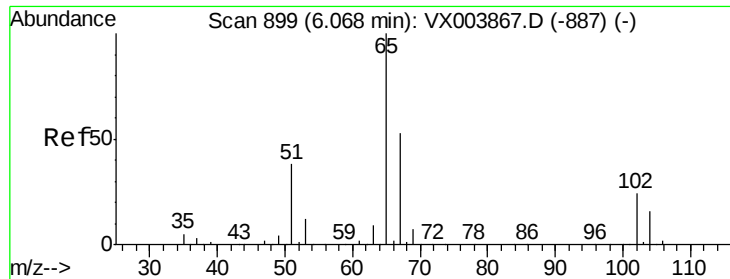
Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Tgt Ion:	97	Resp:	313608
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	42.2	34.4	51.6





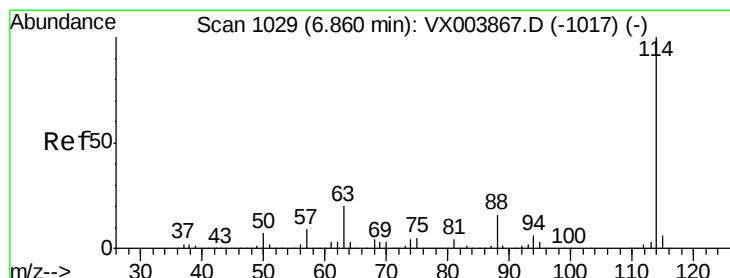
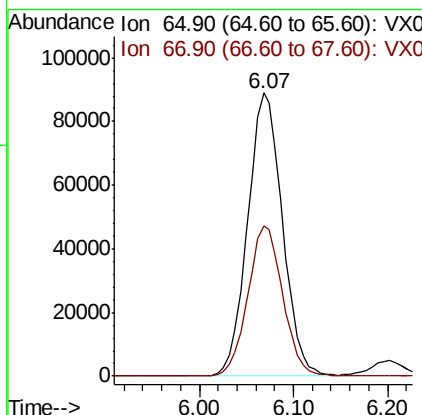
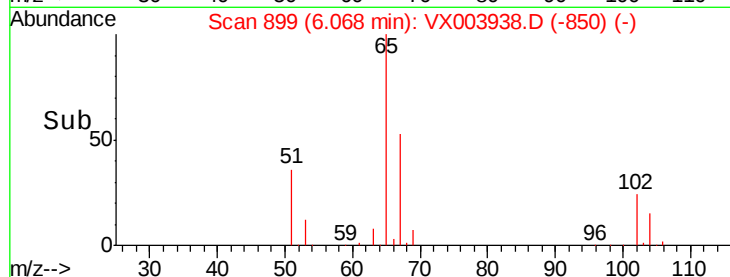
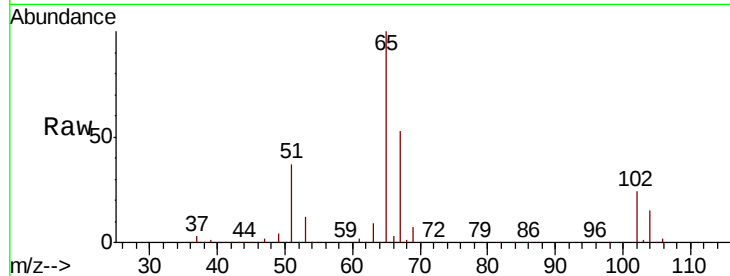
#33
 1,2-Dichloroethane-d4
 Concen: 49.37 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	230317		
67	53.2	0.0	105.8	

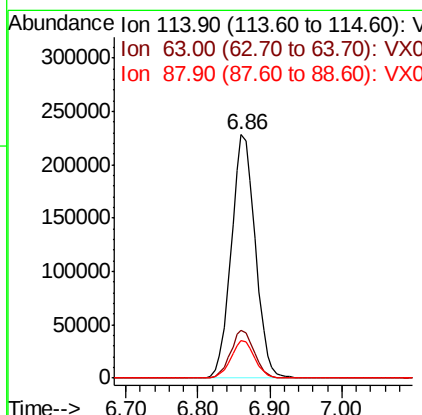
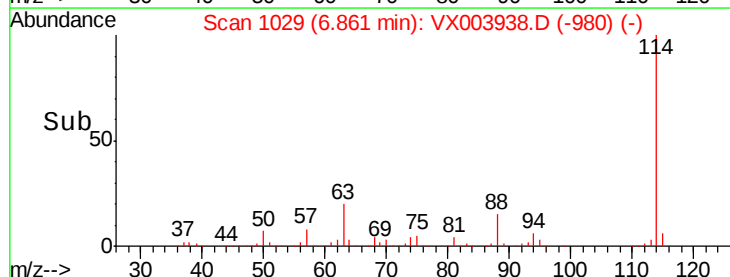
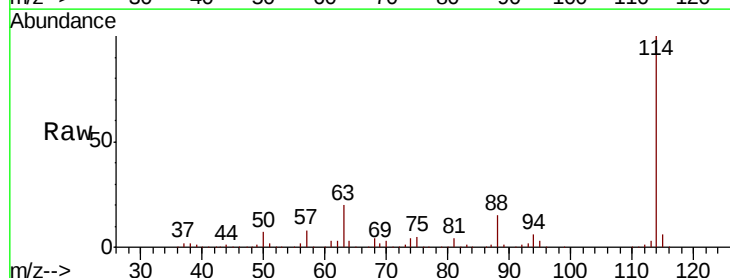
Manual Integrations
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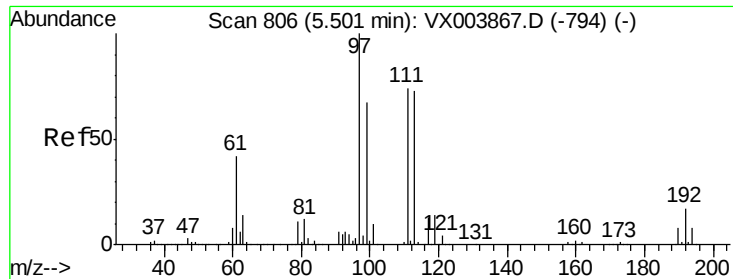
MMDadoda
 8/9/2018 10:40:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	528926		
63	19.9	0.0	39.0	
88	15.3	0.0	32.0	





#35

Dibromofluoromethane

Concen: 48.61 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

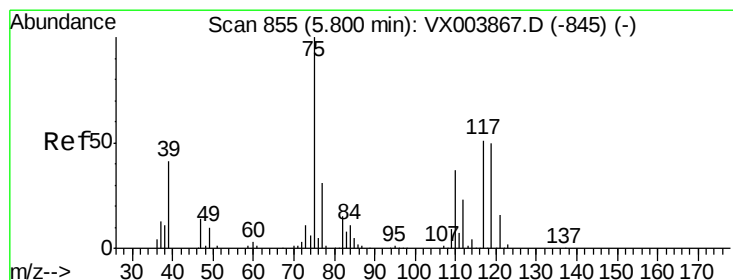
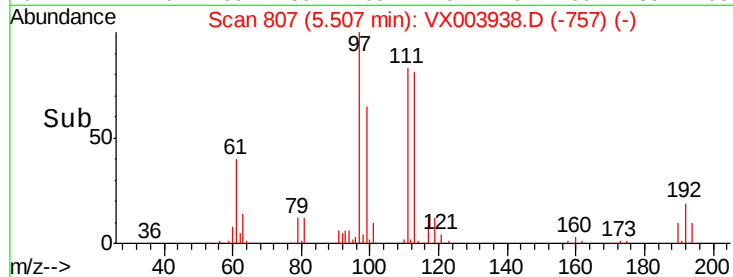
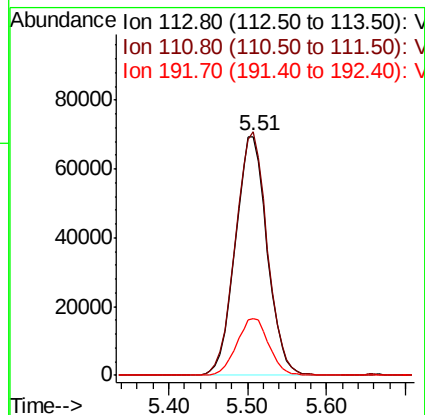
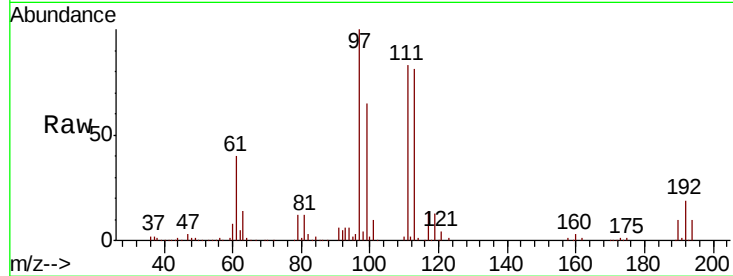
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	194790
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.0	123.0
192	23.9	19.0	28.4

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#36

1,1-Dichloropropene

Concen: 46.80 ug/l

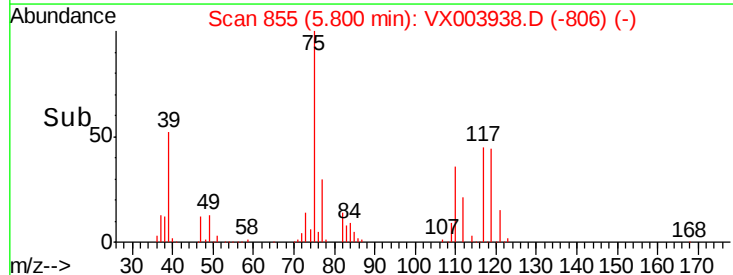
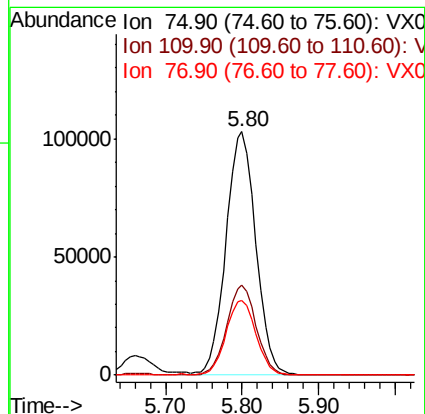
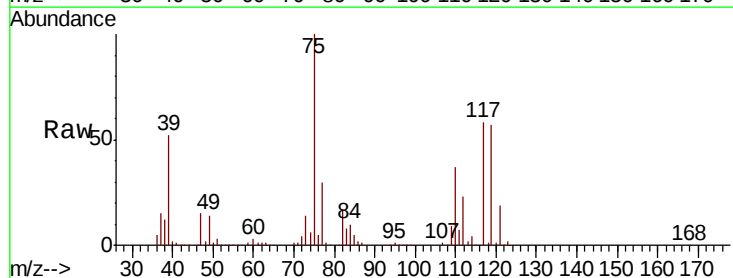
RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Tgt Ion:	75	Resp:	277217
Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.2	54.6
77	30.9	25.0	37.4





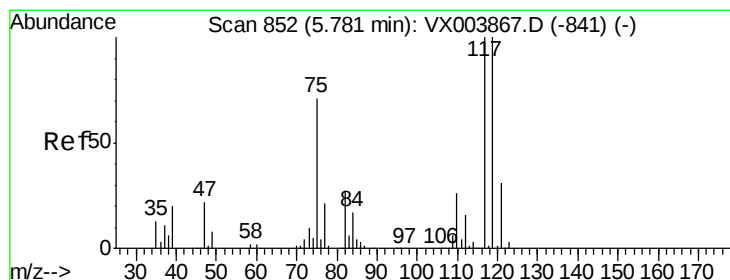
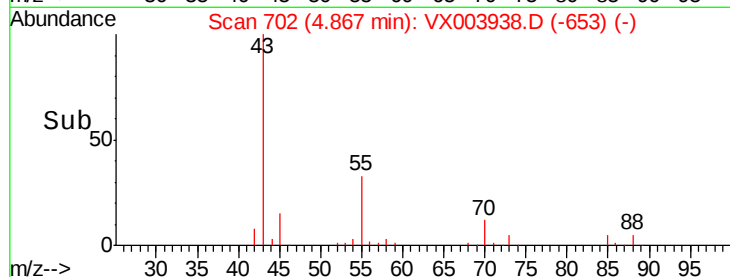
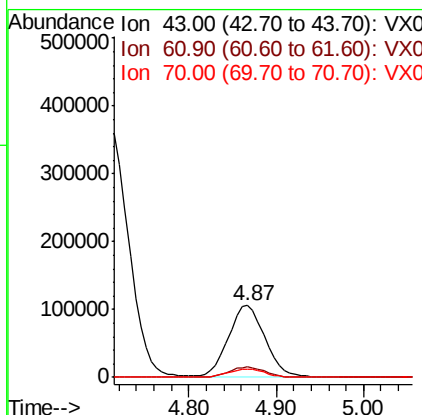
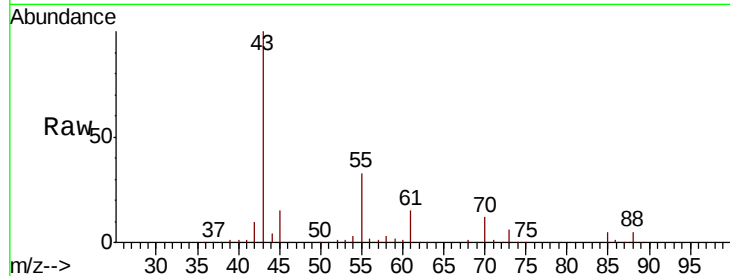
#37
Ethyl Acetate
Concen: 47.28 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	308080
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.6	9.0	13.4

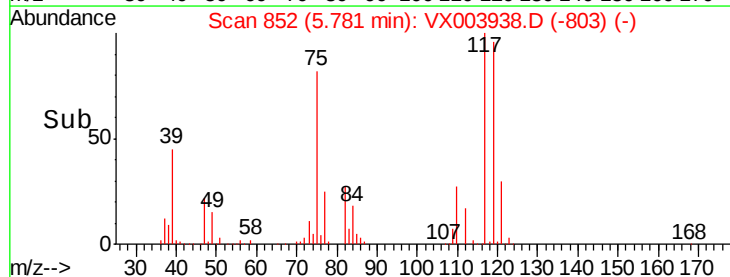
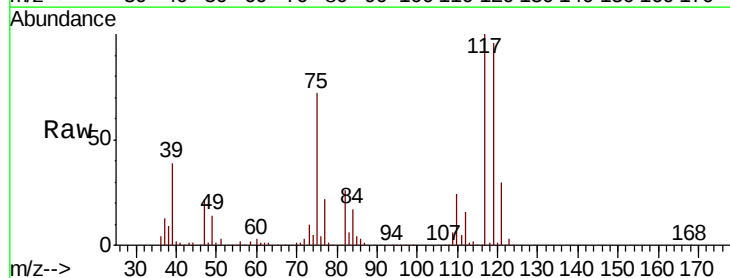
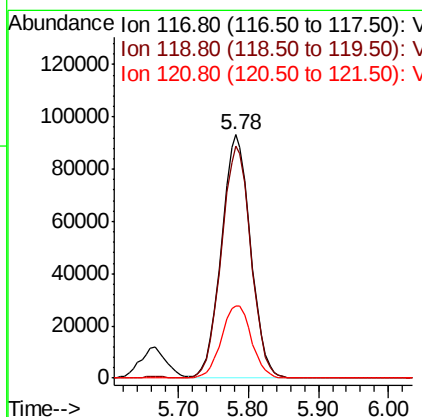
Manual Integrations
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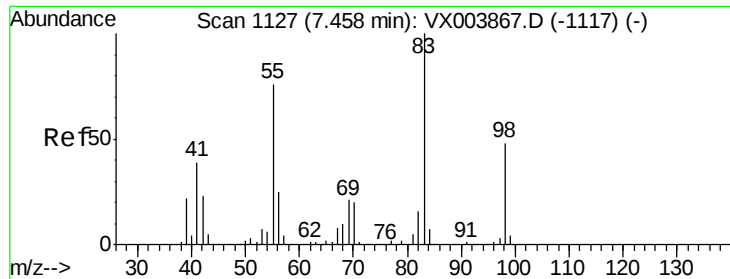
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.69 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion:	117	Resp:	268917
Ion	Ratio	Lower	Upper
117	100		
119	95.5	79.5	119.3
121	29.8	25.0	37.4





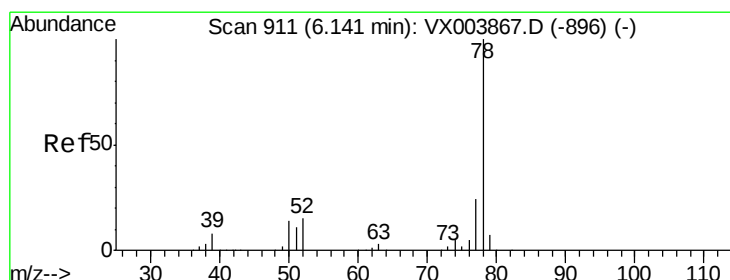
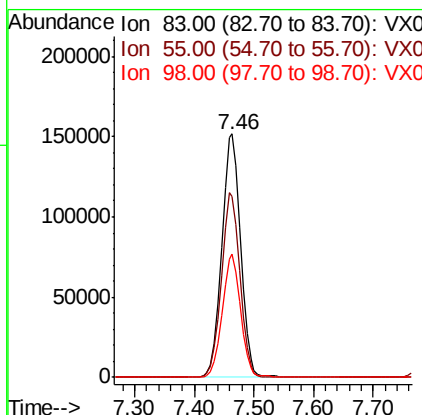
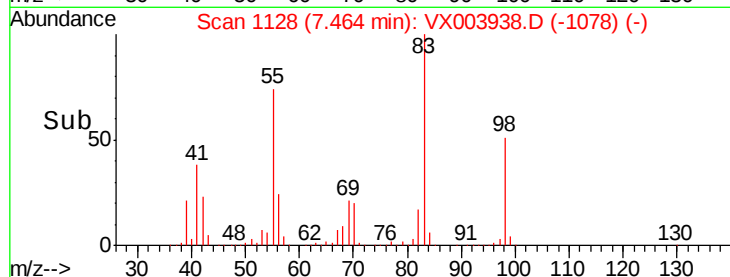
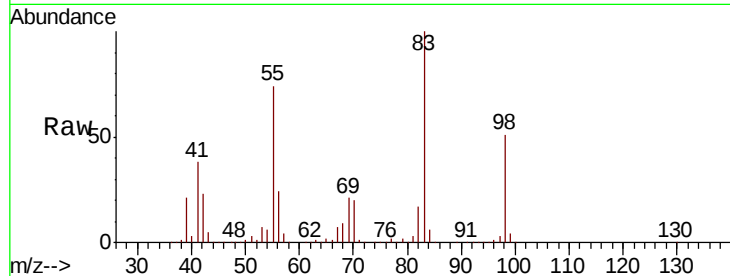
#39
Methvlcvclohexane
Concen: 47.81 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.4	61.0	91.6	
98	50.5	38.6	57.8	

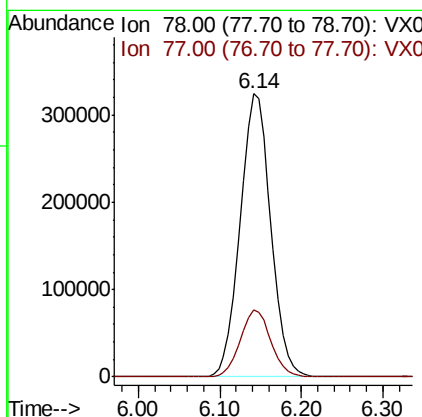
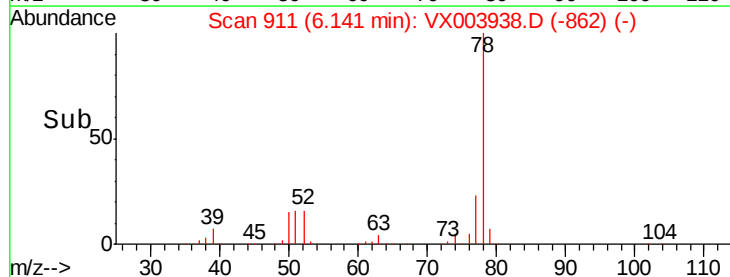
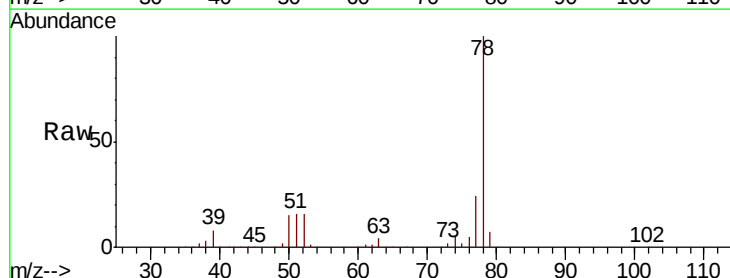
Manual Integrations
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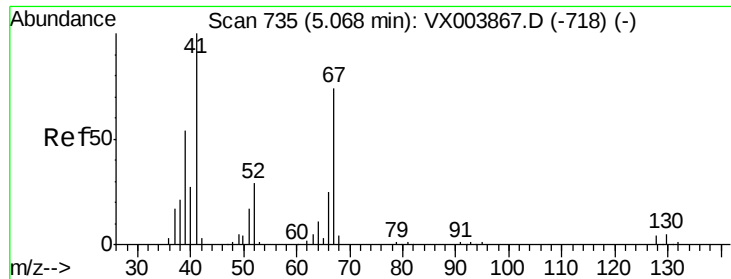
MMDadoda
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#40
Benzene
Concen: 47.43 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

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





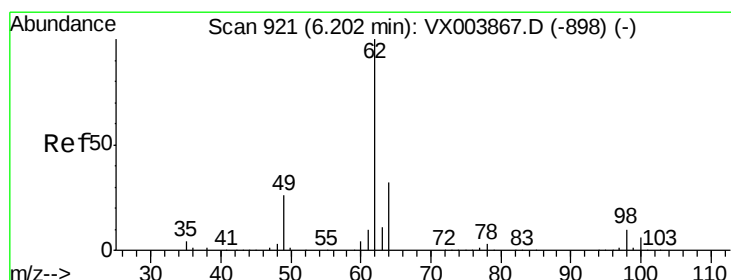
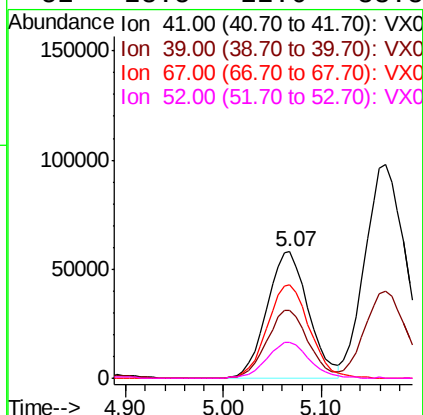
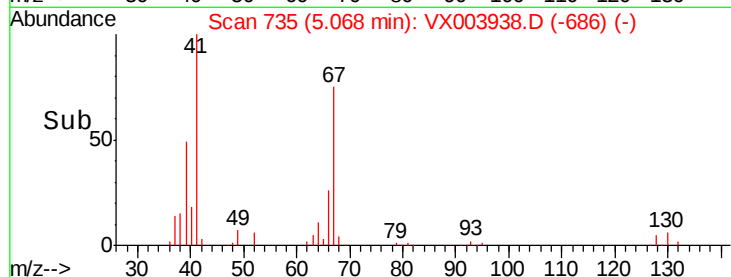
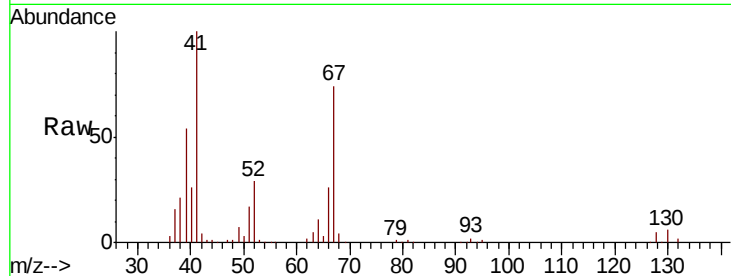
#41
Methacrylonitrile
Concen: 47.92 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.7	64.1	
67	75.1	58.9	88.3	
52	28.5	22.6	33.8	

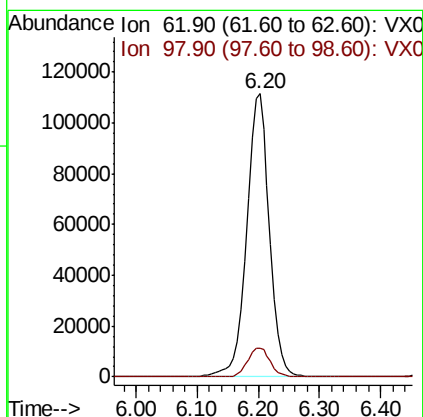
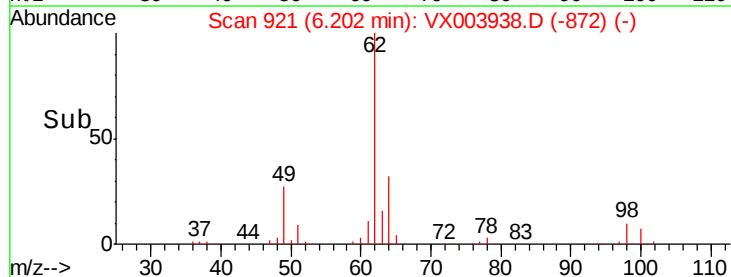
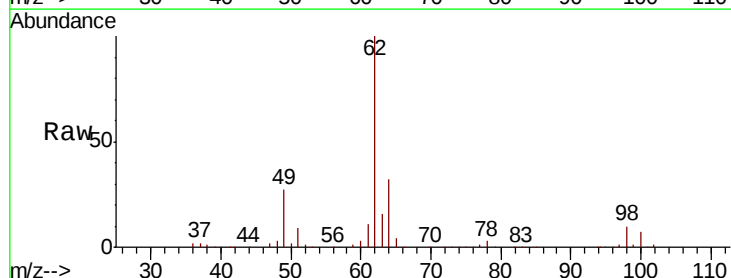
Manual Integrations
APPROVED

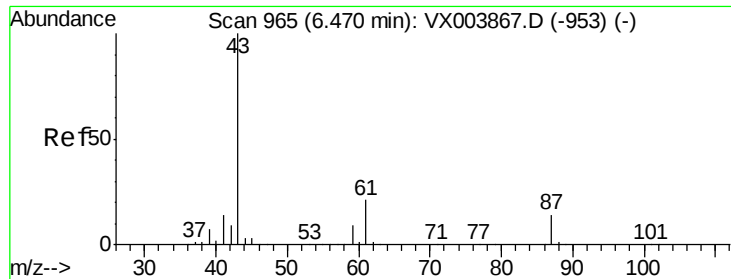
MMDadoda
8/9/2018 10:40:47 AM



#42
1,2-Dichloroethane
Concen: 47.69 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

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





#43

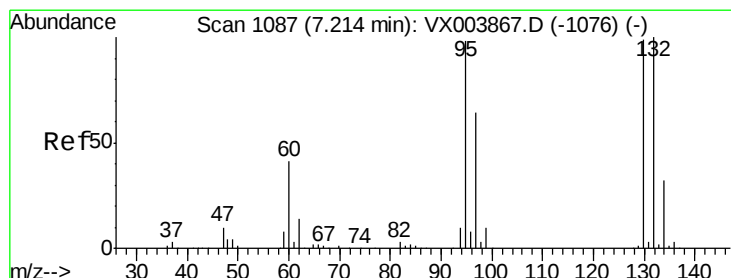
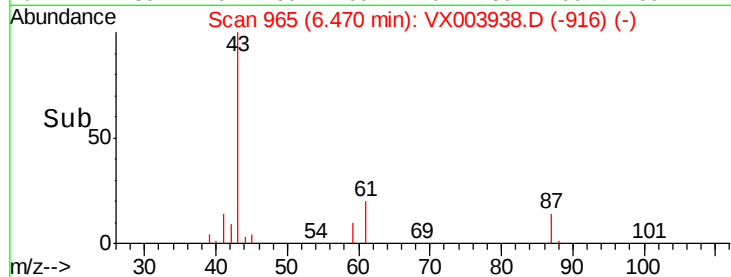
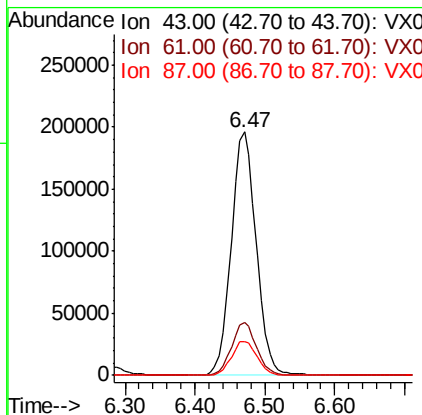
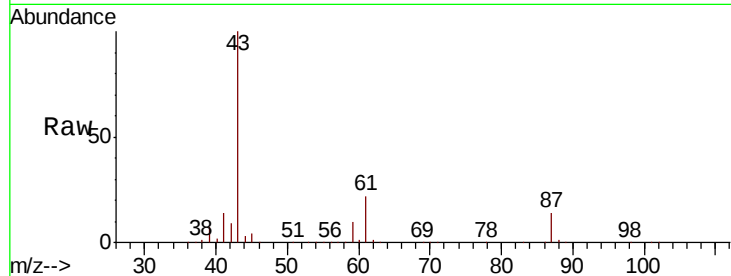
Isopropyl Acetate
 Concen: 49.37 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	16.9	25.3
87	14.4	11.3	16.9

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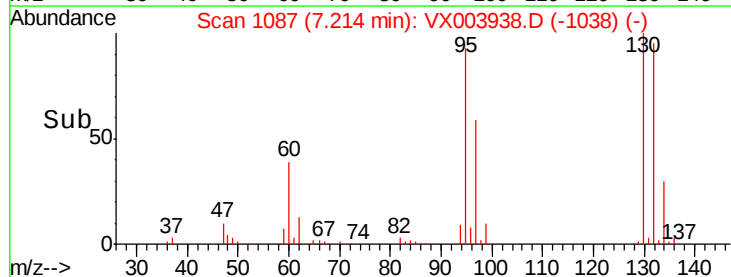
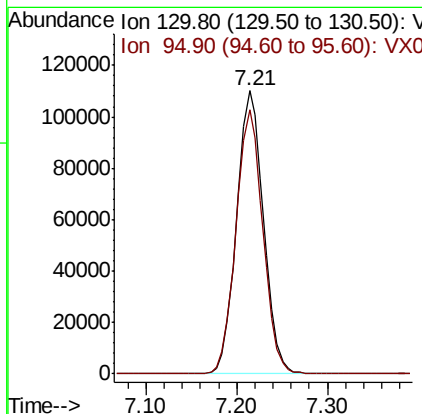
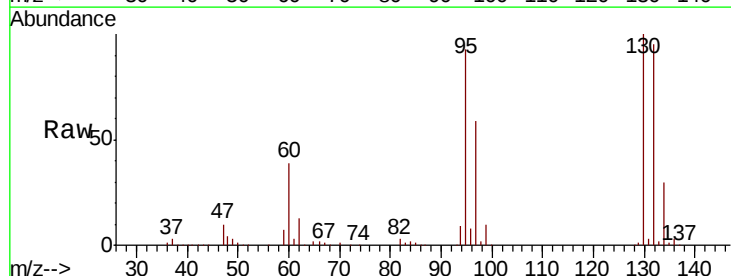
MMDadoda
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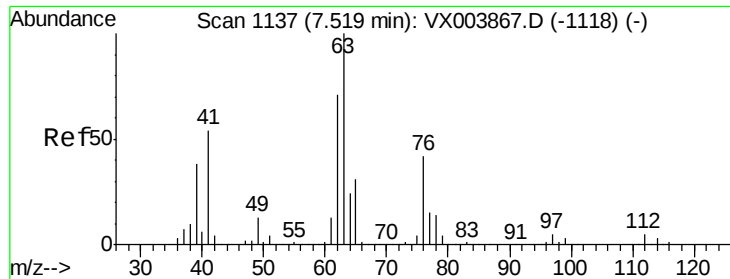


#44

Trichloroethene
 Concen: 46.59 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	199.4





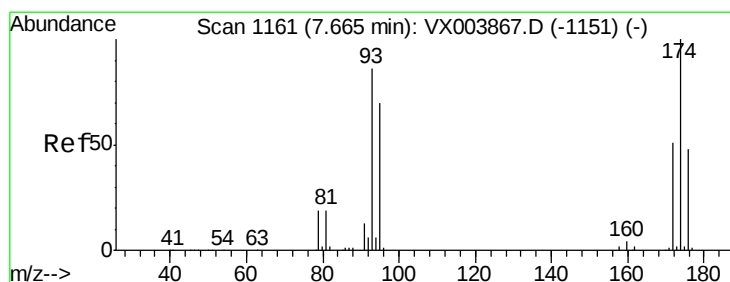
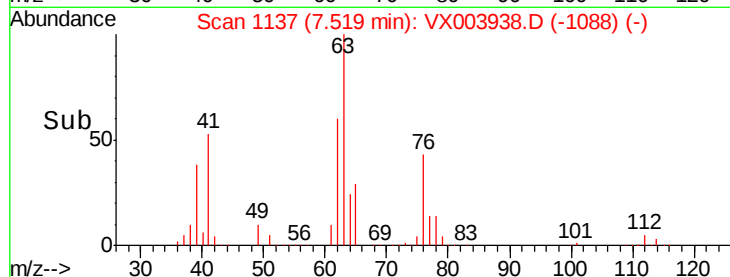
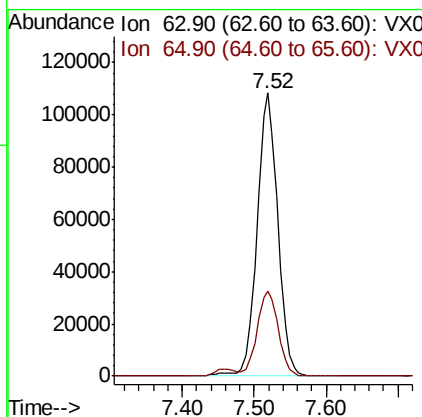
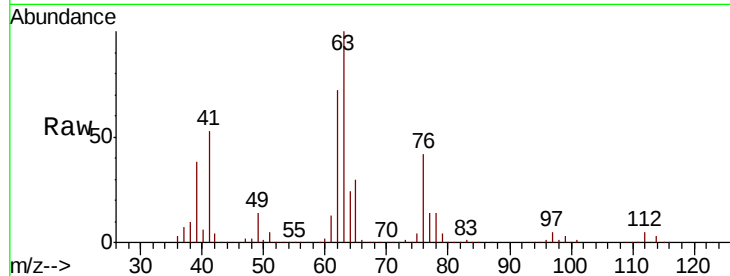
#45
 1,2-Dichloropropane
 Concen: 47.28 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.6	36.8

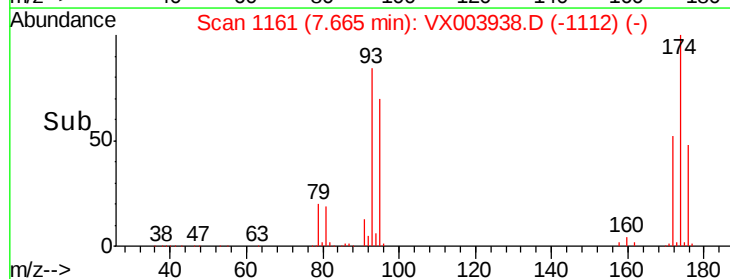
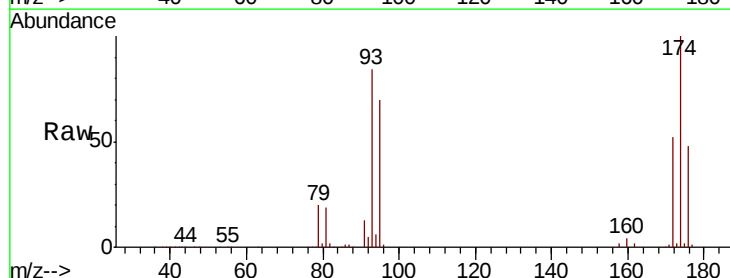
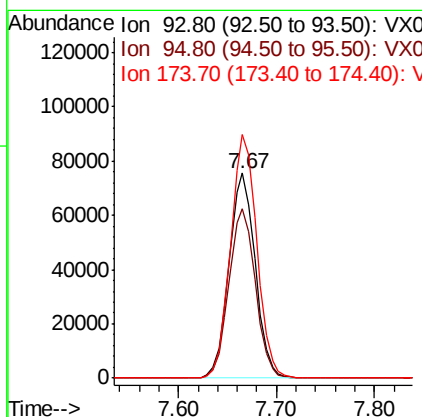
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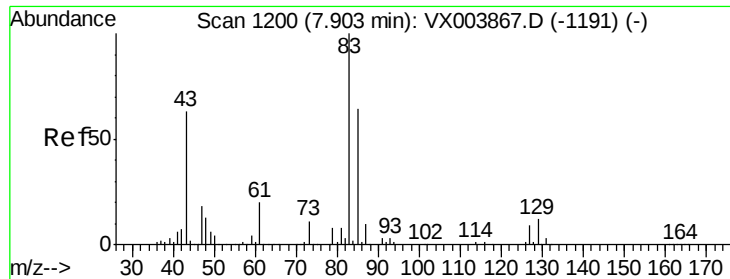
MMDadoda
 8/9/2018 10:40:47 AM



#46
 Dibromomethane
 Concen: 47.06 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.4	99.6
174	119.6	94.3	141.5





#47

Bromodichloromethane

Concen: 47.86 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

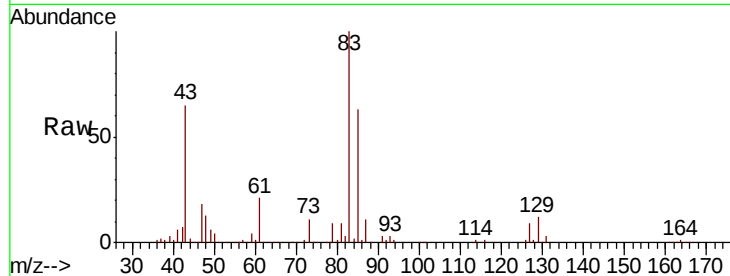
ClientSampleId :

VSTDCCC050EC

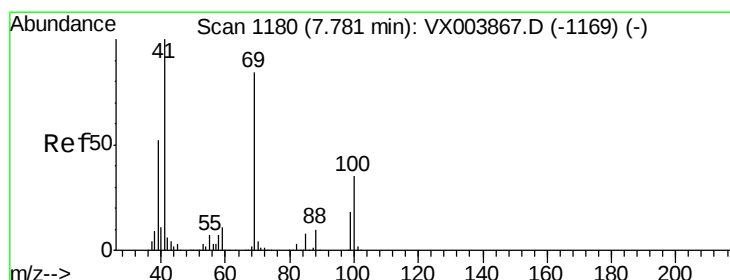
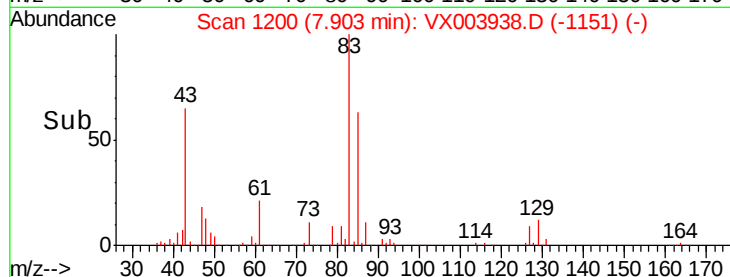
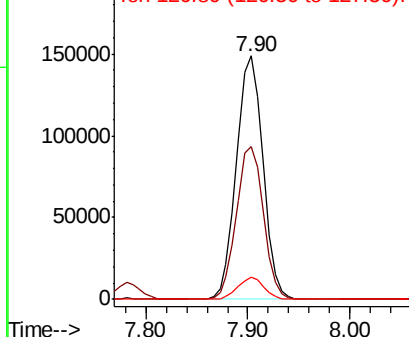
Tot Ion:	83	Resp:	268907
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.2	76.8
127	9.0	7.2	10.8

Manual Integrations
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8/9/2018 10:40:47 AM



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



#48

Methyl methacrylate

Concen: 50.13 ug/l

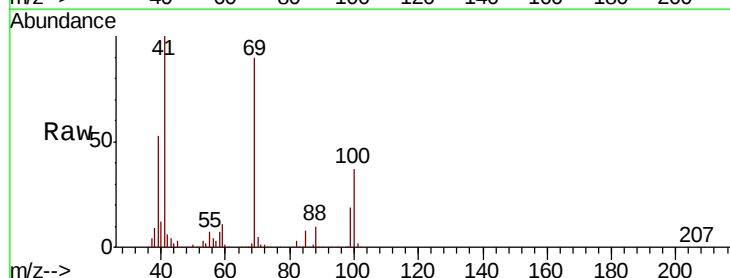
RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

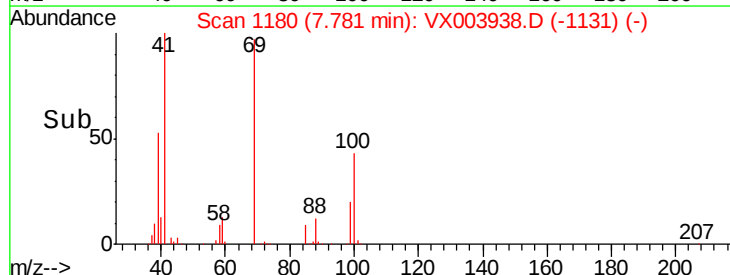
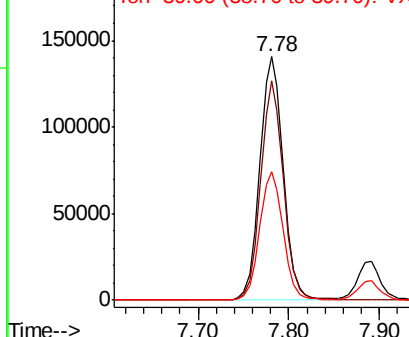
Lab File: VX003938.D

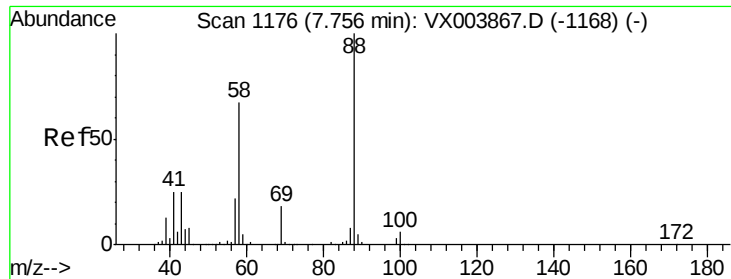
Acq: 08 Aug 2018 21:44

Tgt Ion:	41	Resp:	249893
Ion Ratio	Lower	Upper	
41	100		
69	88.4	68.8	103.2
39	52.9	42.3	63.5



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





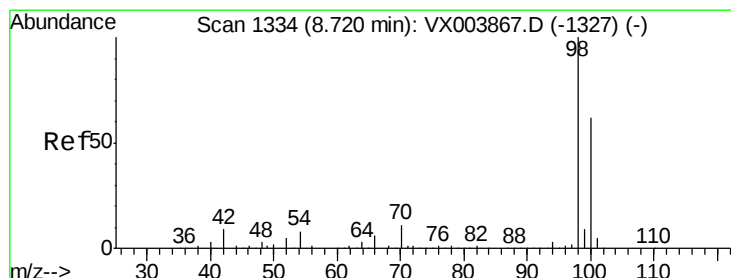
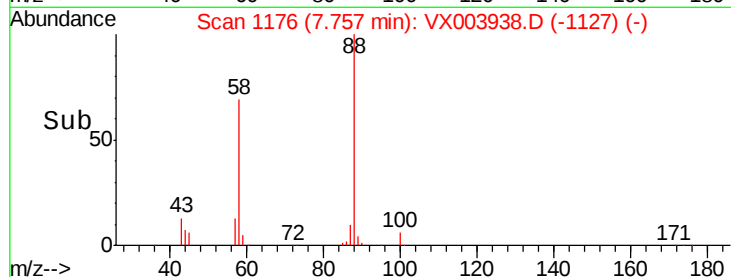
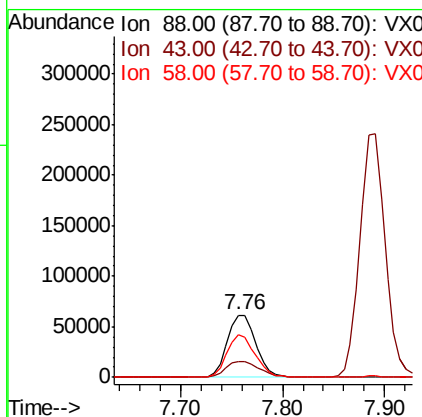
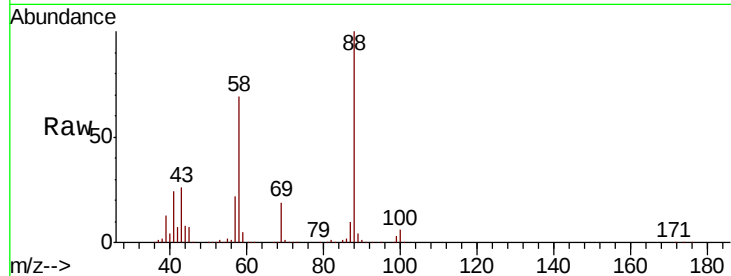
#49
1,4-Dioxane
Concen: 1016.61 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.8	35.8
58	68.0	55.4	83.0

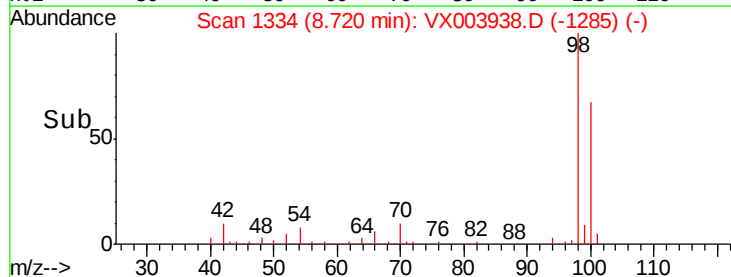
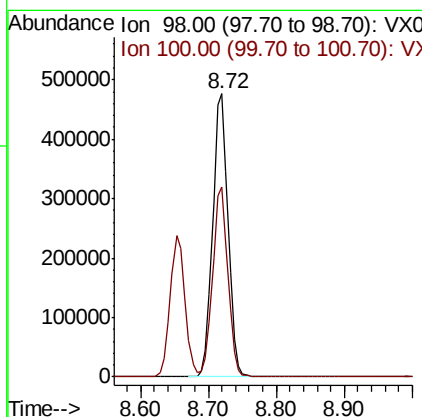
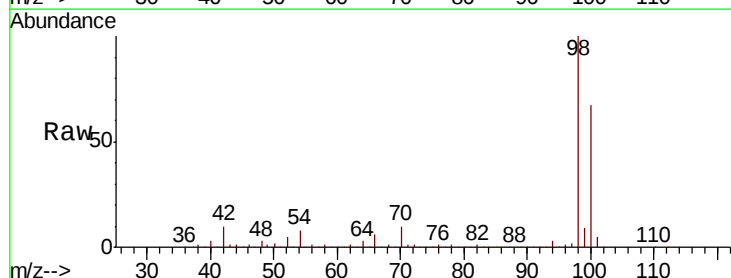
Manual Integrations
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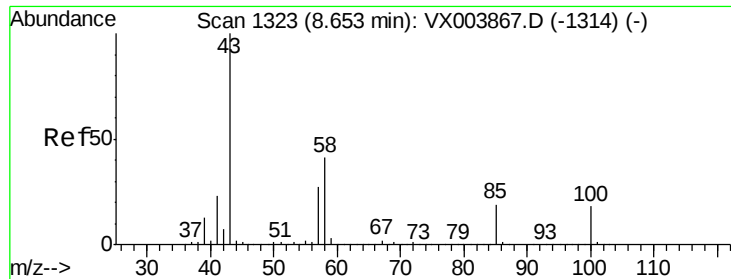
MMDadoda
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#50
Toluene-d8
Concen: 47.96 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 248.23 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2017690

Ion Ratio Lower Upper

43 100

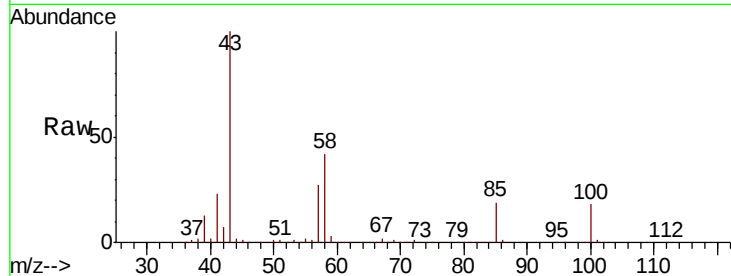
58 41.7 33.0 49.6

Manual Integrations

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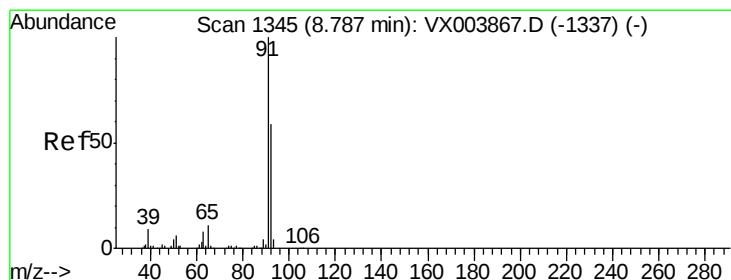
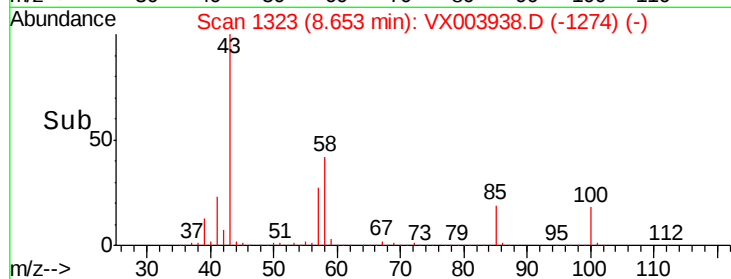
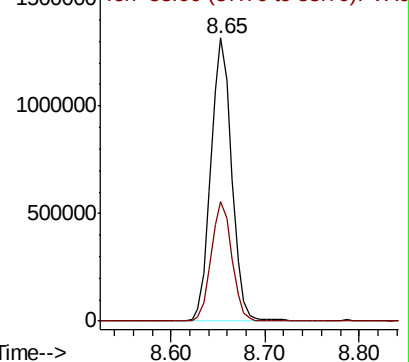
MMDadoda

8/9/2018 10:40:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.76 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003938.D

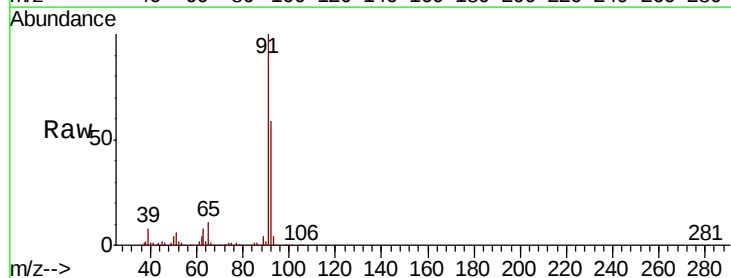
Acq: 08 Aug 2018 21:44

Tgt Ion: 92 Resp: 581794

Ion Ratio Lower Upper

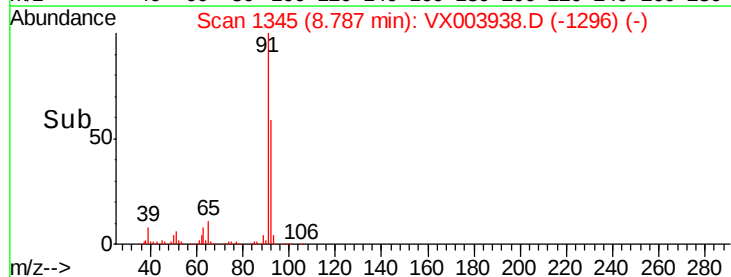
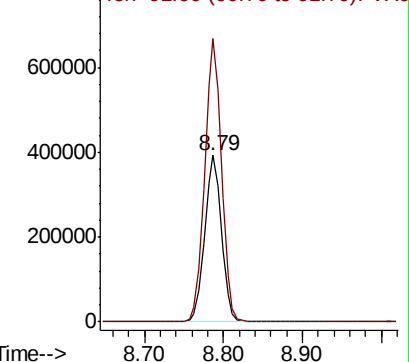
92 100

91 170.1 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





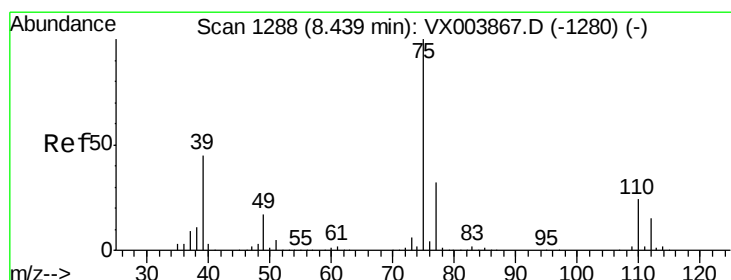
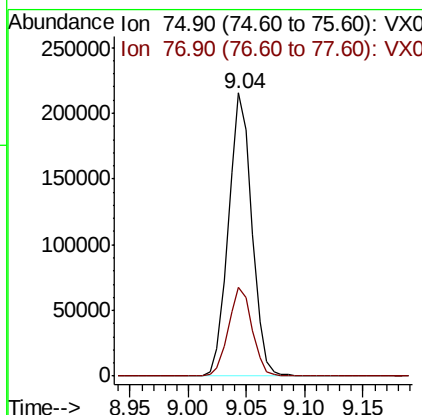
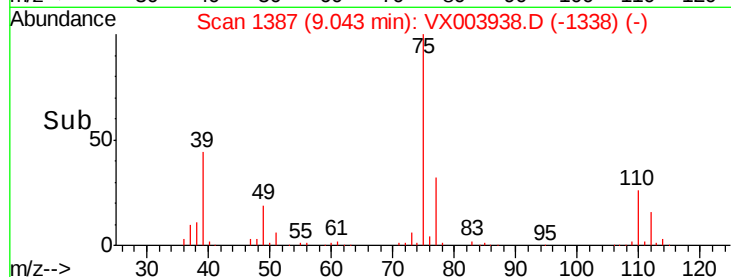
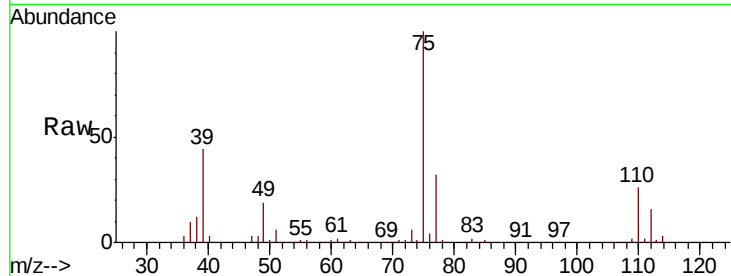
#53
 t-1,3-Dichloropropene
 Concen: 47.41 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 301081
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7

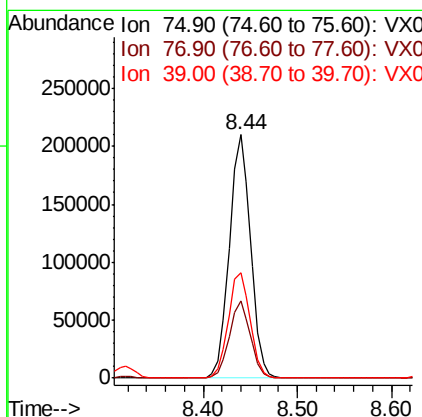
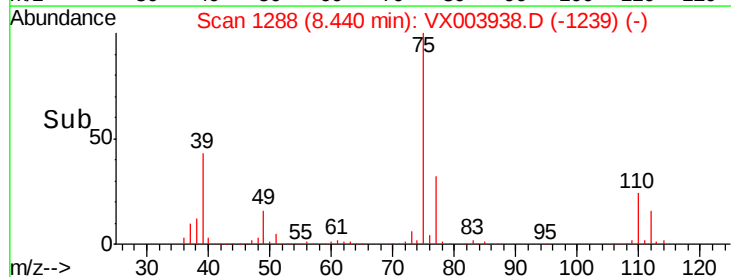
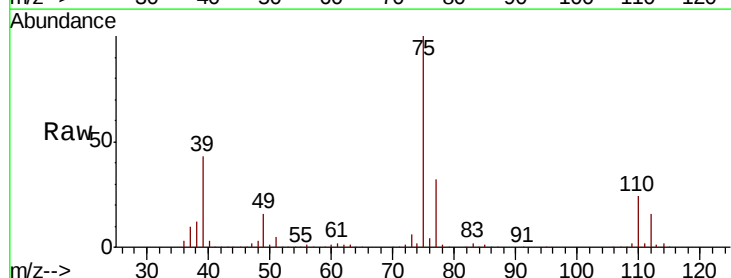
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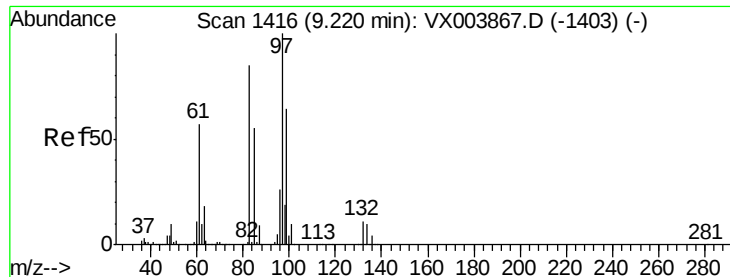
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#54
 cis-1,3-Dichloropropene
 Concen: 47.88 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion: 75 Resp: 327878
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9
 39 43.3 36.2 54.2





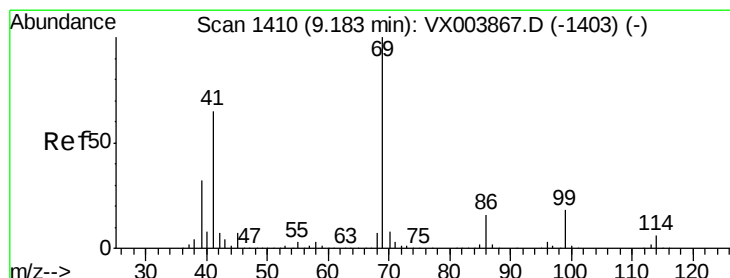
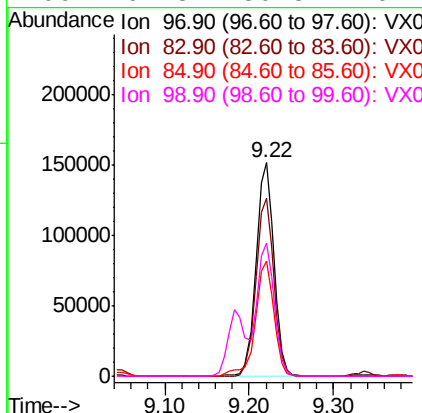
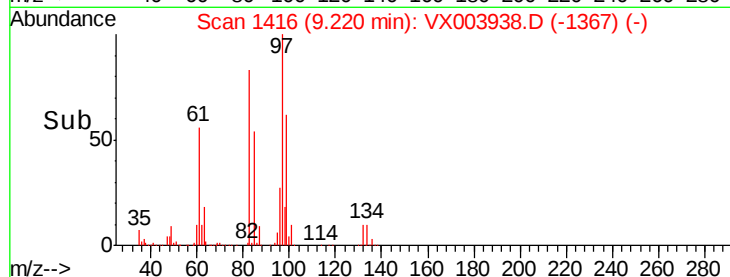
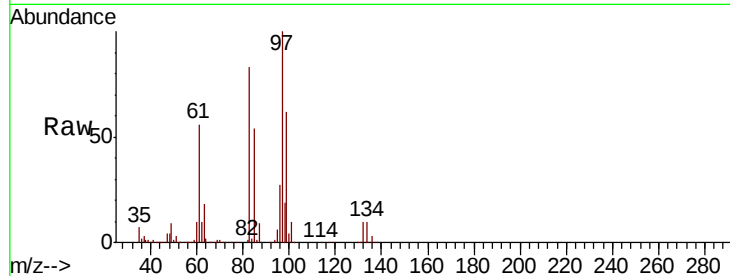
#55
 1,1,2-Trichloroethane
 Concen: 48.28 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		221731		
83	83.4	67.8	101.6		
85	53.8	44.2	66.2		
99	62.3	50.8	76.2		

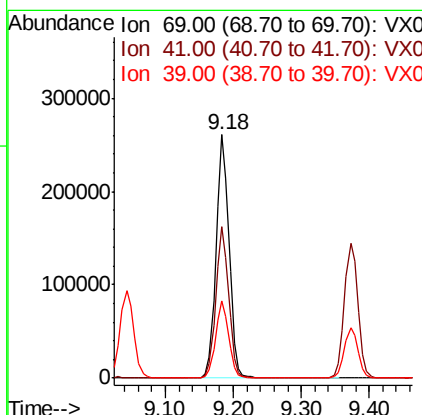
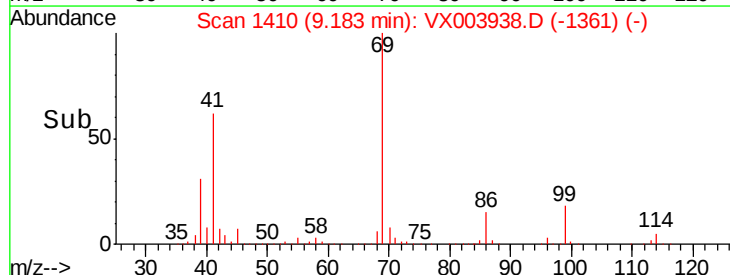
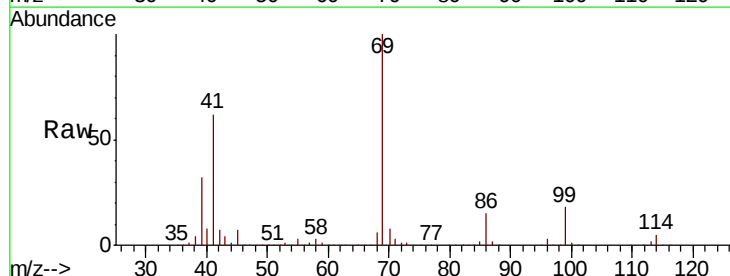
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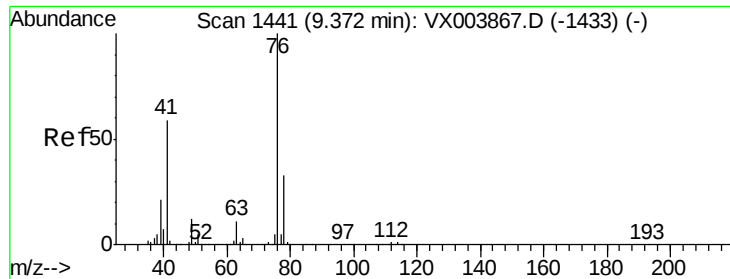
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#56
 Ethyl methacrylate
 Concen: 51.94 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		346104		
41	61.9	50.6	76.0		
39	31.7	25.8	38.6		





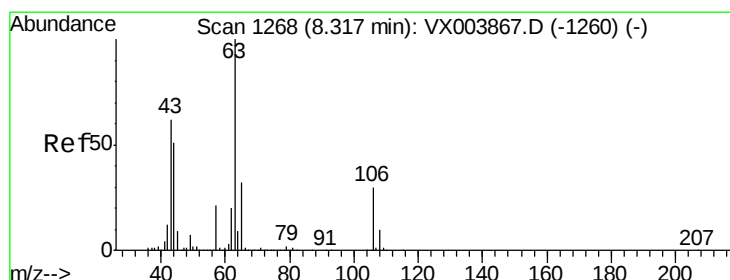
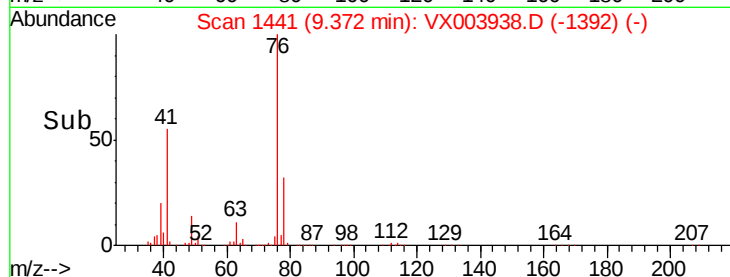
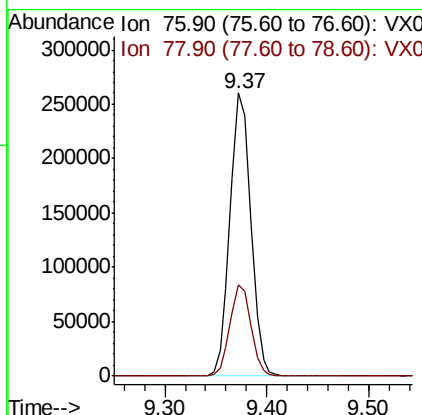
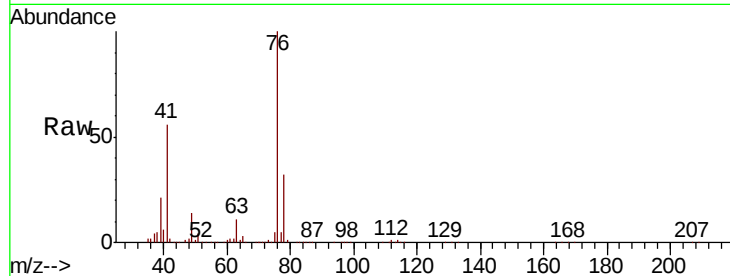
#57
 1,3-Dichloropropane
 Concen: 47.92 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

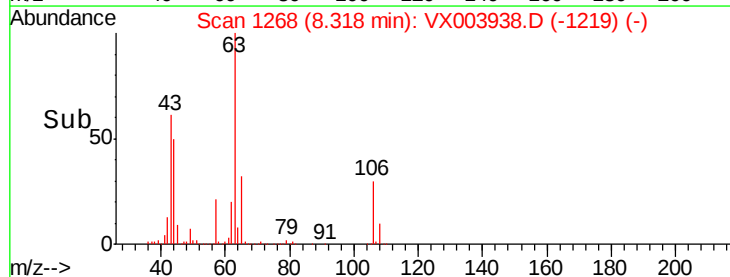
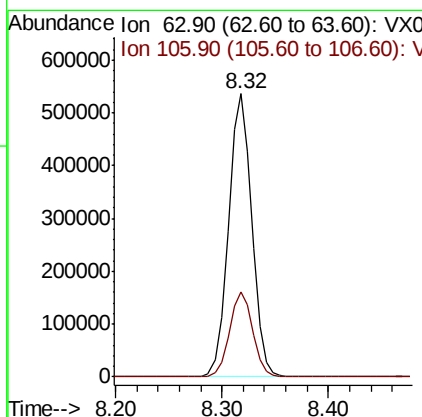
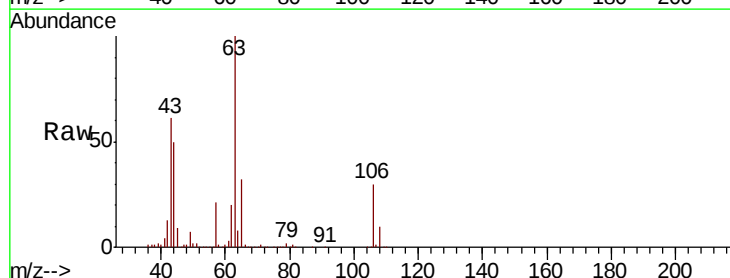
Manual Integrations
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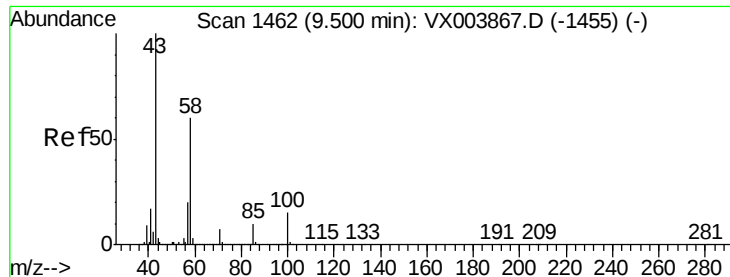
MMDadoda
 8/9/2018 10:40:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.05 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.8	35.8





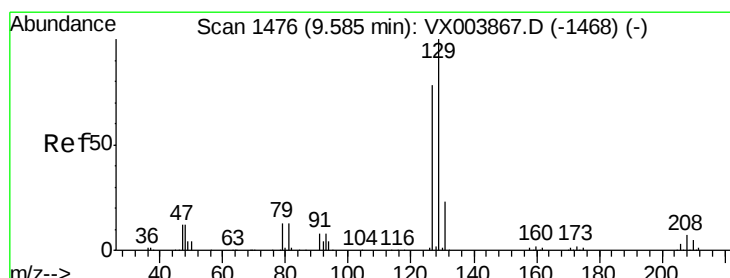
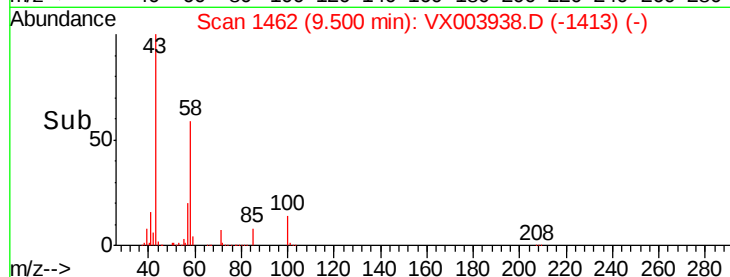
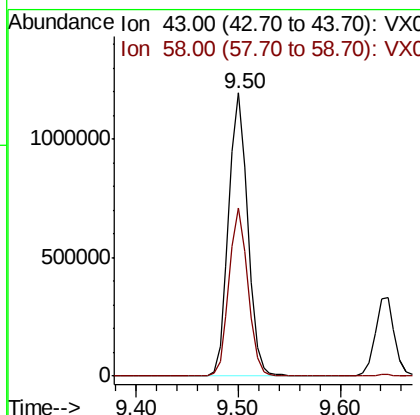
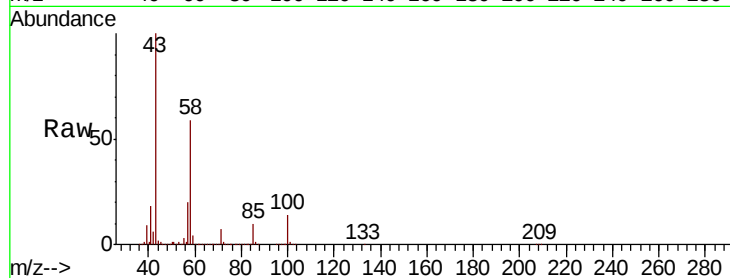
#59
2-Hexanone
Concen: 254.64 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1547203
Ion Ratio Lower Upper
43 100
58 58.8 29.0 87.0

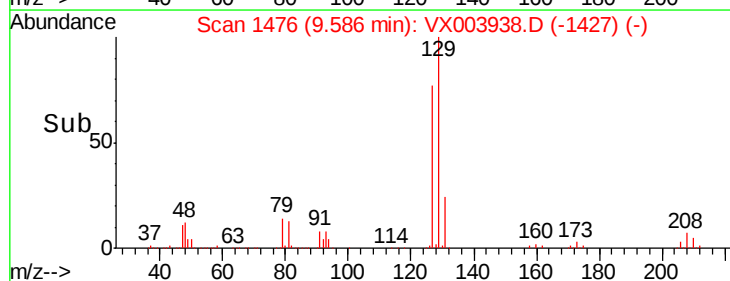
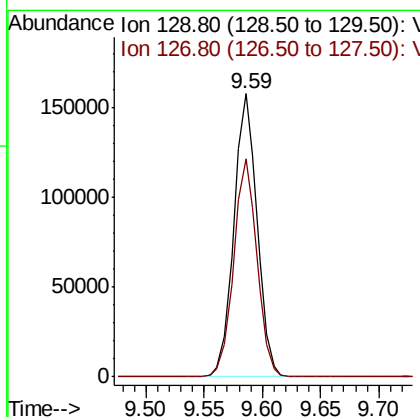
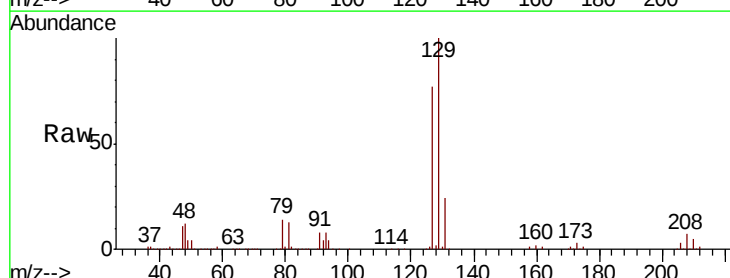
Manual Integrations
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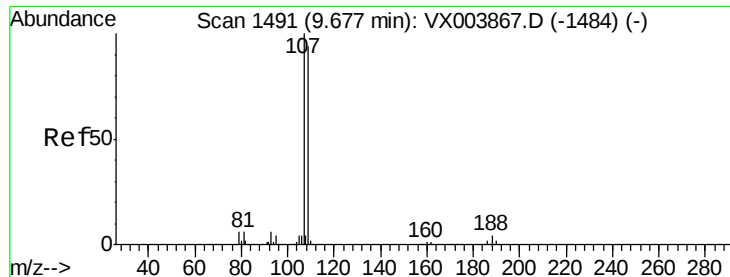
MMDadoda
8/9/2018 10:40:47 AM



#60
Dibromochloromethane
Concen: 51.29 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion: 129 Resp: 219659
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3





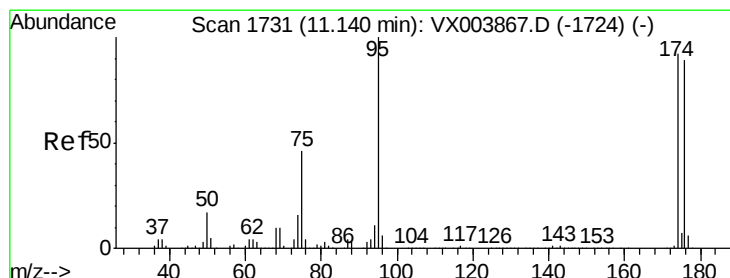
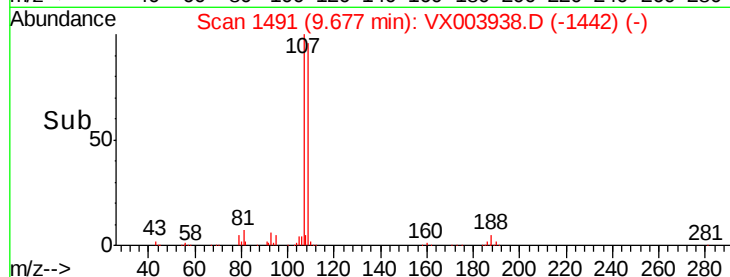
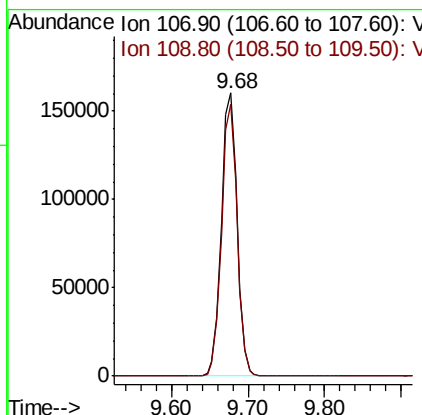
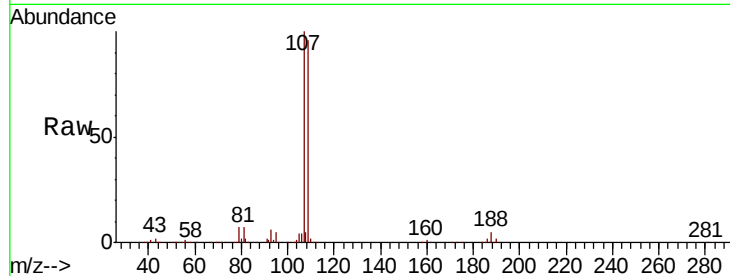
#61
 1,2-Dibromoethane
 Concen: 49.61 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.8	113.8

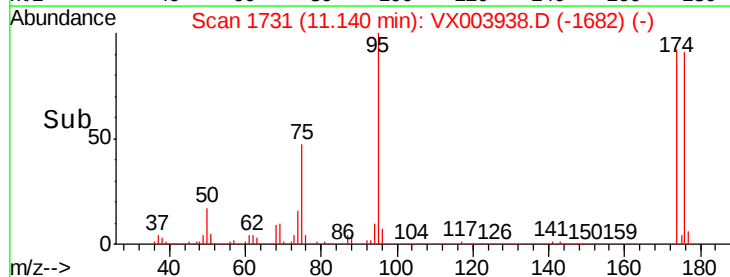
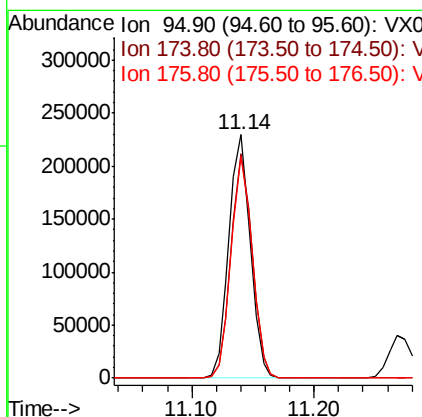
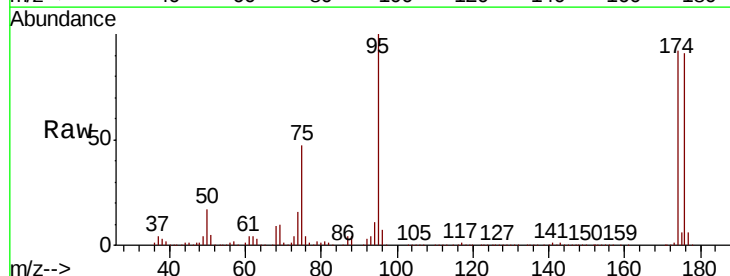
Manual Integrations
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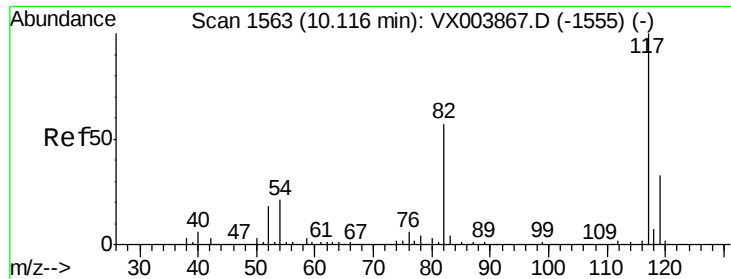
MMDadoda
 8/9/2018 10:40:47 AM



#62
 4-Bromofluorobenzene
 Concen: 55.20 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	182.8
176	89.5	0.0	179.0





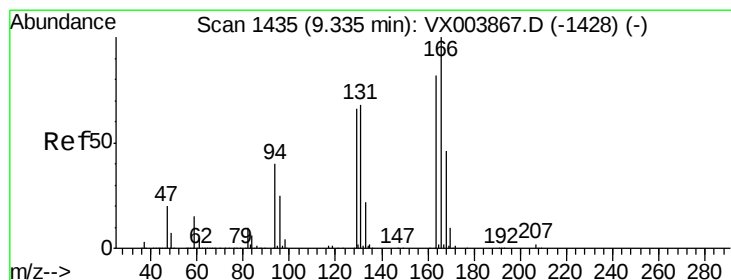
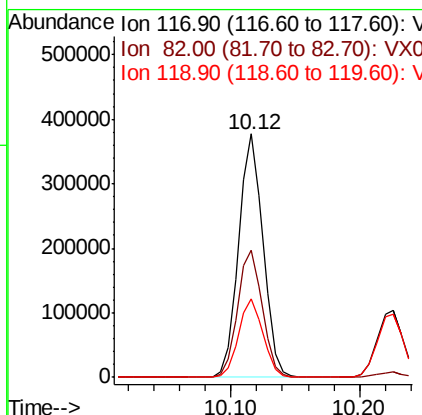
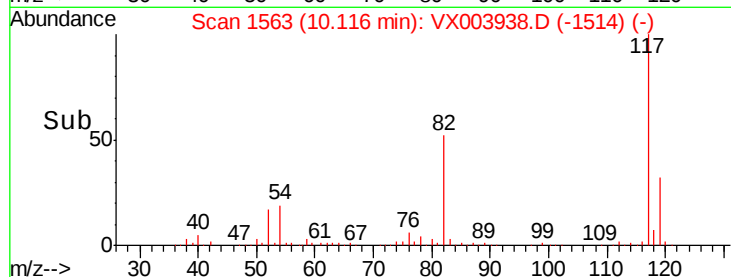
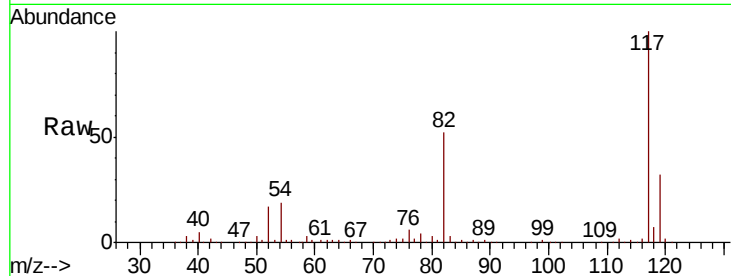
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	45.4	68.0
119	32.1	26.6	40.0

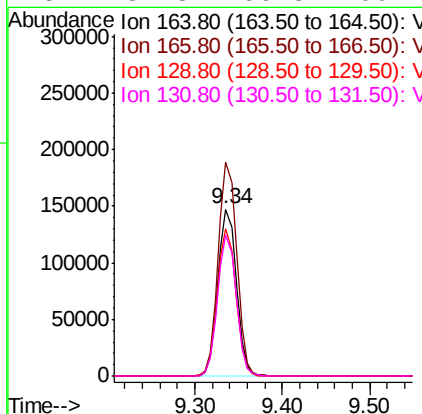
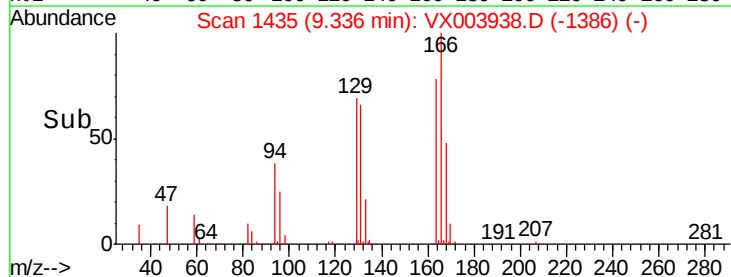
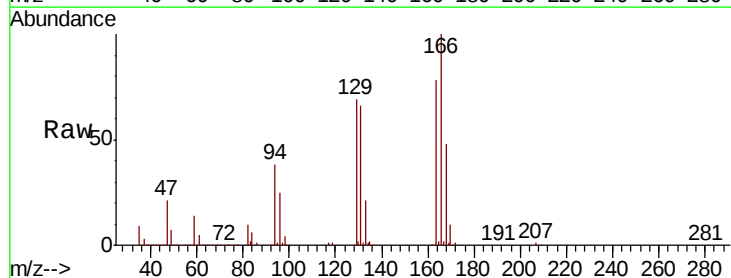
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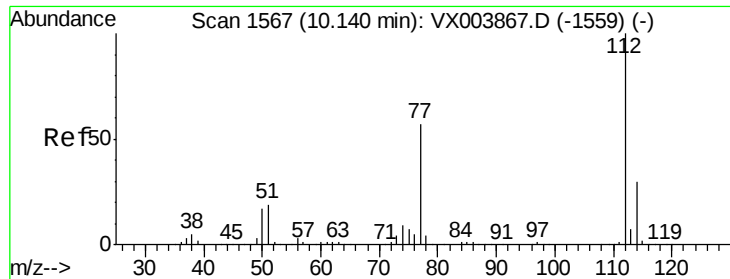
MMDadoda
8/9/2018 10:40:47 AM



#64
Tetrachloroethene
Concen: 44.32 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	98.0	147.0
129	88.6	64.3	96.5
131	84.8	66.8	100.2





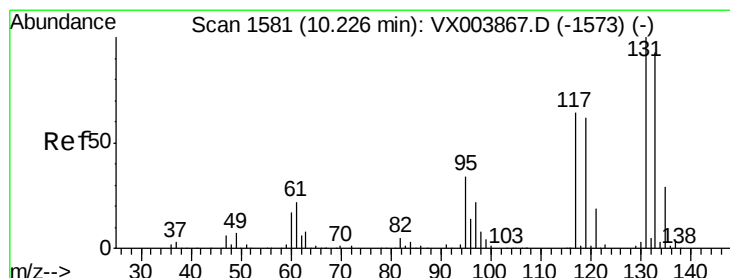
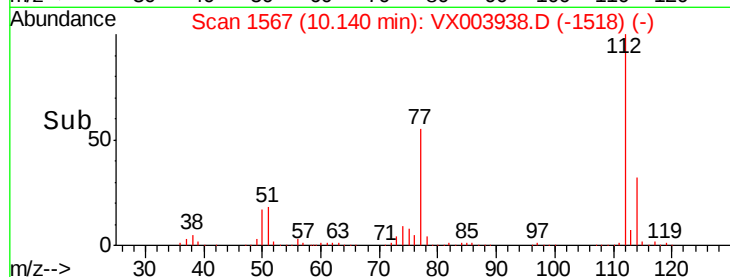
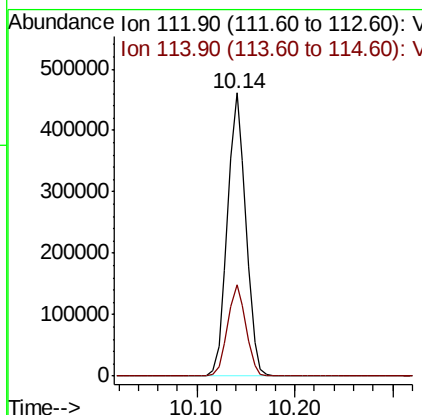
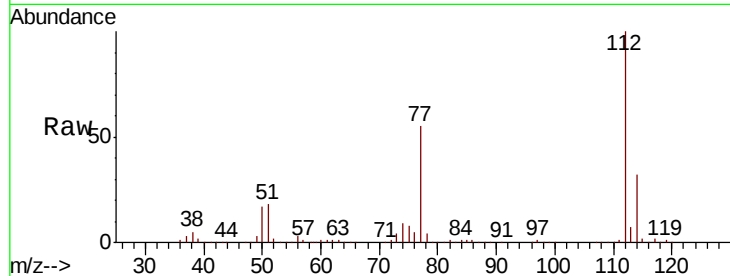
#65
Chlorobenzene
Concen: 46.92 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 603078
Ion Ratio Lower Upper
112 100
114 32.2 23.6 35.4

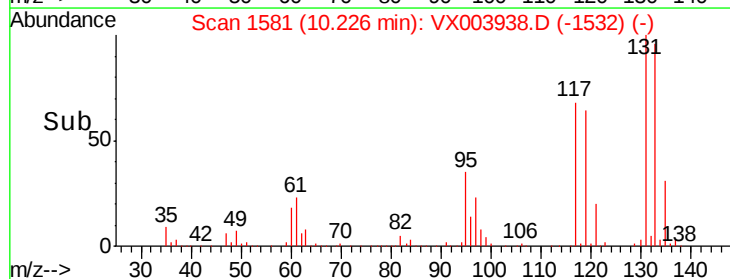
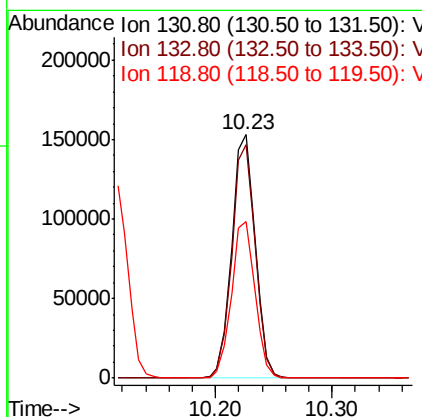
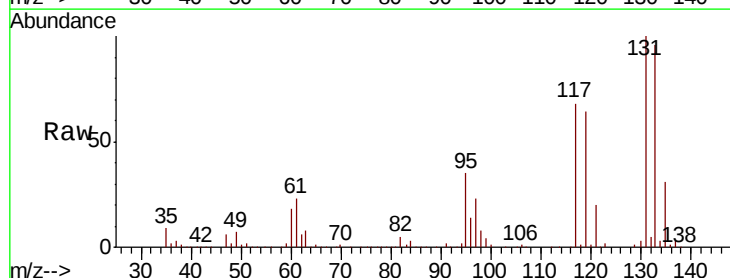
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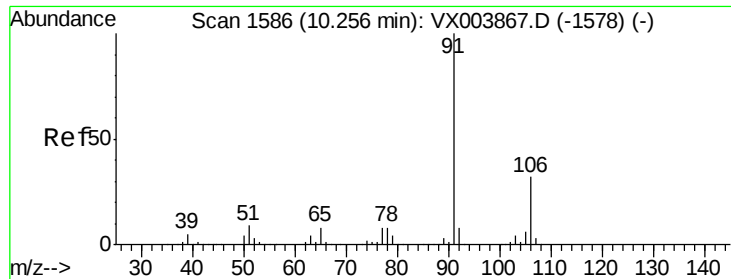
MMDadoda
8/9/2018 10:40:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.72 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion:131 Resp: 215296
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.8
119 64.4 31.6 94.8





#67

Ethyl Benzene

Concen: 50.69 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1066618

Ion Ratio Lower Upper

91 100

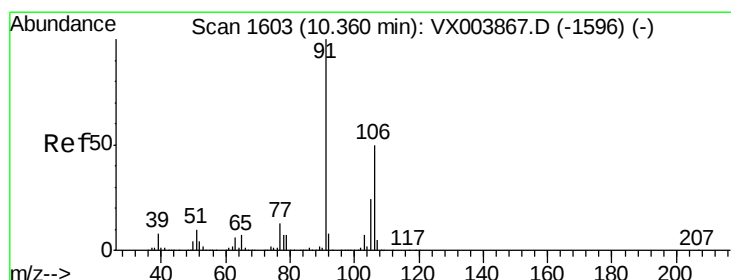
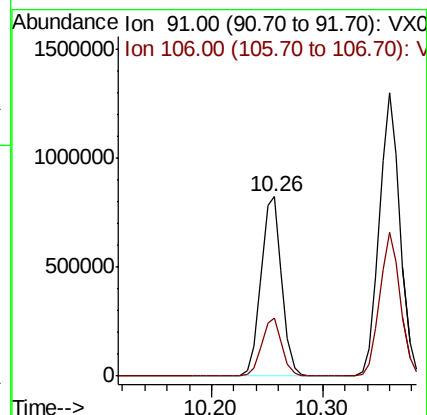
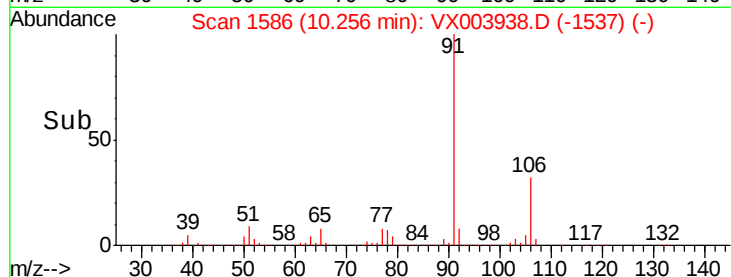
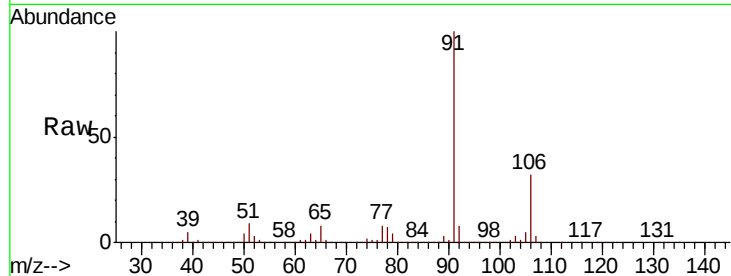
106 32.4 25.9 38.9

Manual Integrations

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8/9/2018 10:40:47 AM



#68

m/p-Xylenes

Concen: 104.44 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003938.D

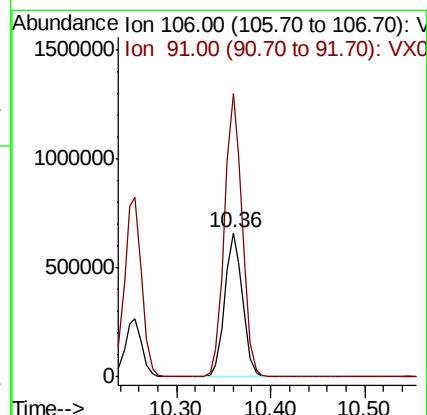
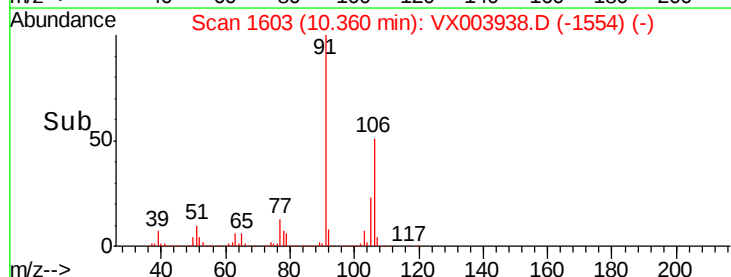
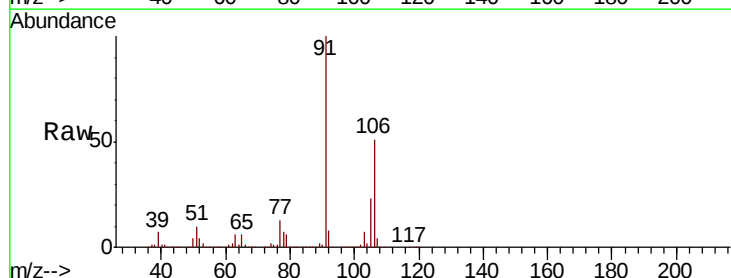
Acq: 08 Aug 2018 21:44

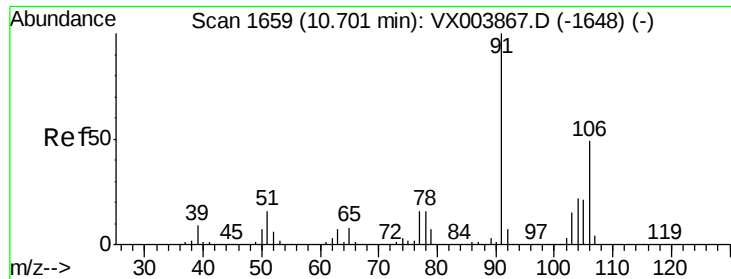
Tgt Ion: 106 Resp: 858659

Ion Ratio Lower Upper

106 100

91 196.5 162.3 243.5





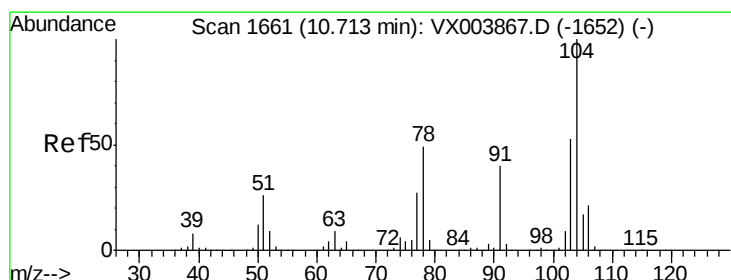
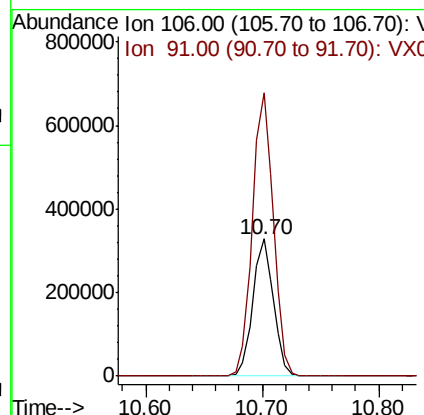
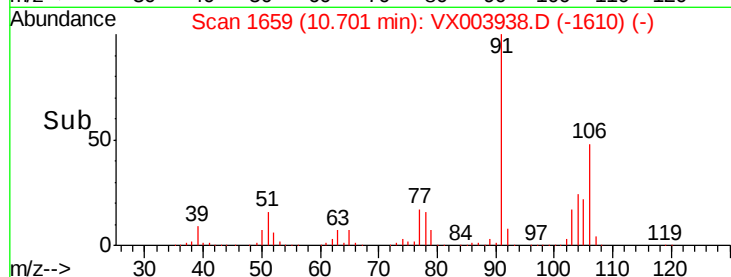
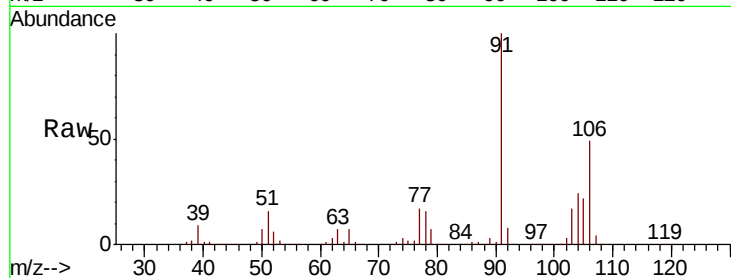
#69
o-Xylene
Concen: 52.74 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.2	101.9	305.7	

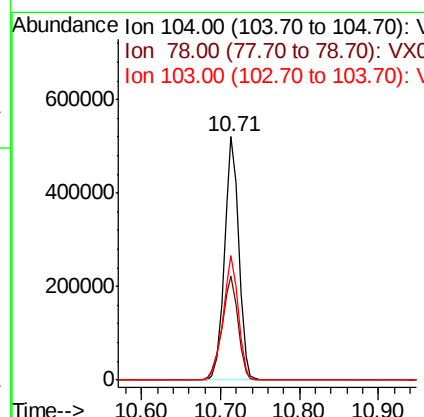
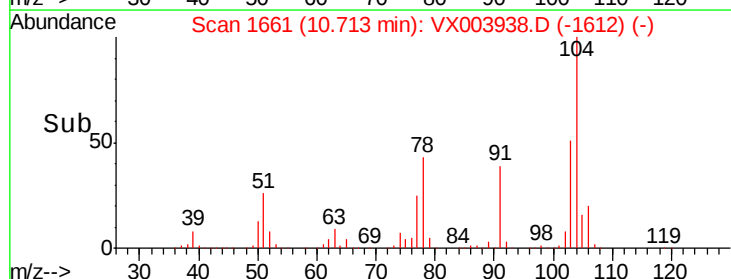
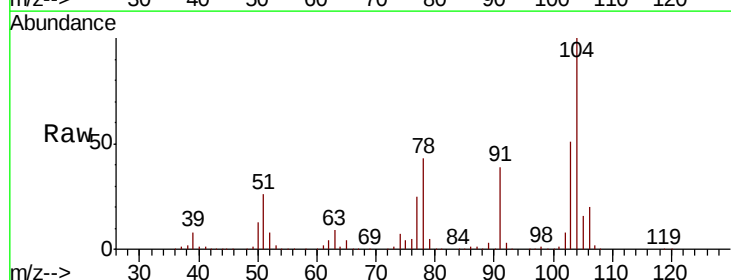
Manual Integrations
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8/9/2018 10:40:47 AM



#70
Styrene
Concen: 51.87 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.9	39.8	59.6	
103	54.6	44.3	66.5	





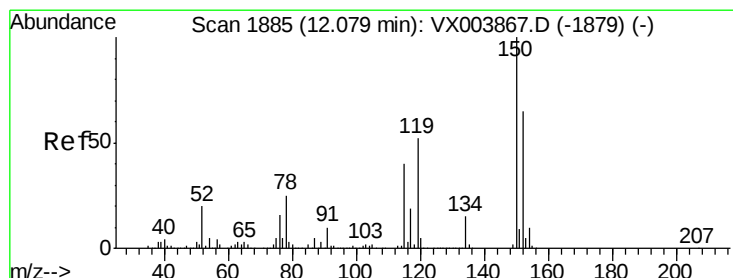
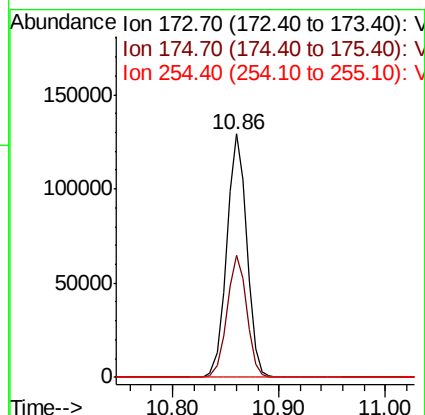
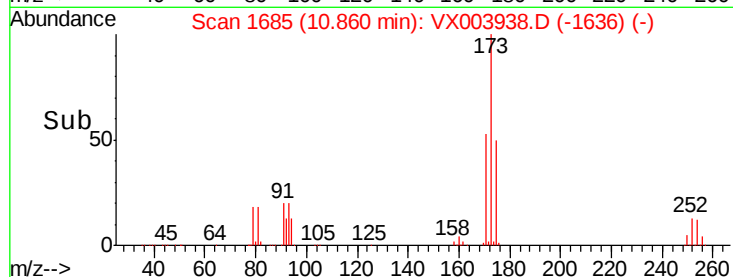
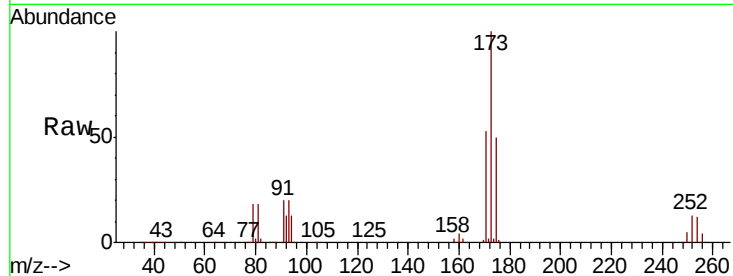
#71
Bromoform
Concen: 45.67 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.9	74.7
254	0.2	0.2	0.2

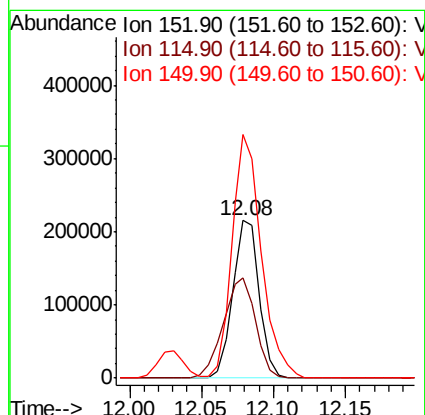
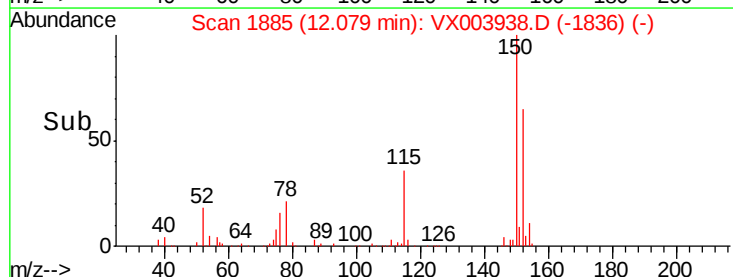
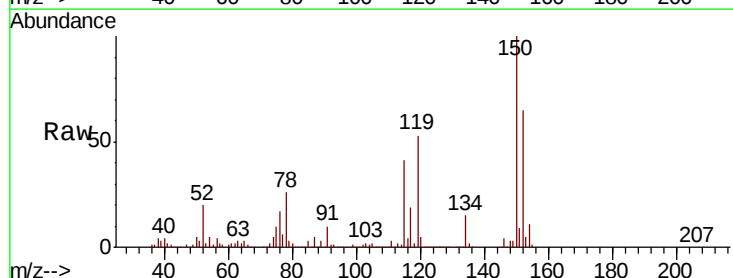
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8/9/2018 10:40:47 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.4	39.1	117.3
150	172.2	0.0	349.2





#73

Isopropylbenzene

Concen: 51.33 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1046012

Ion Ratio Lower Upper

105 100

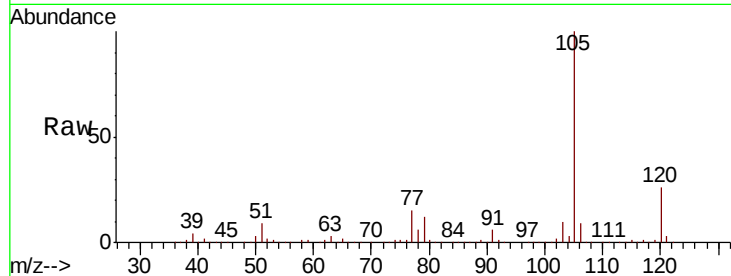
120 27.0 12.6 37.8

Manual Integrations

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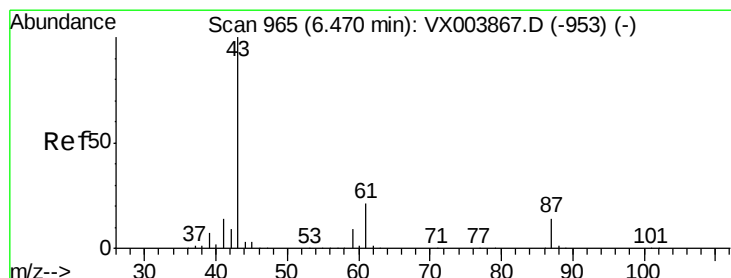
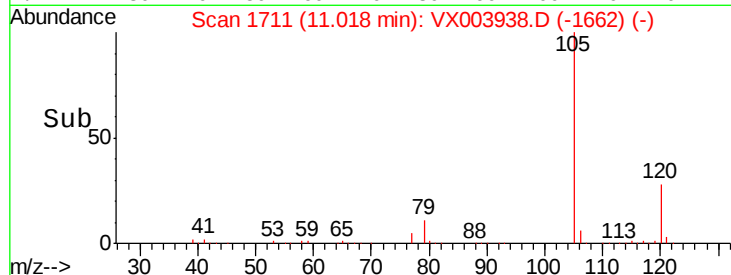
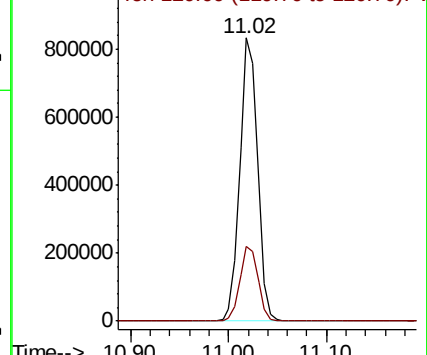
MMDadoda

8/9/2018 10:40:47 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.68 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Tgt Ion: 43 Resp: 484104

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.3 0.1 0.1#

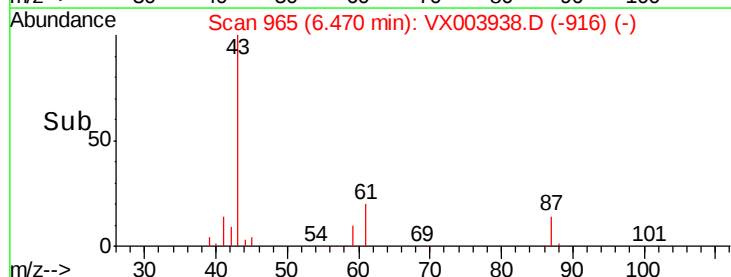
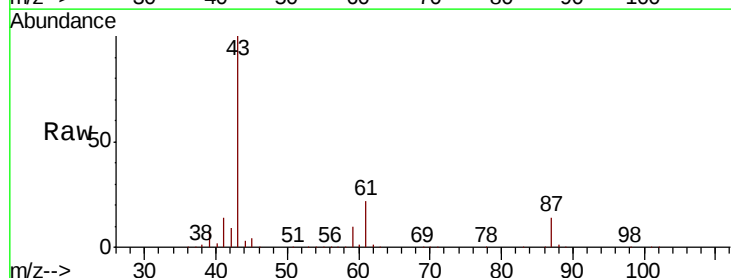
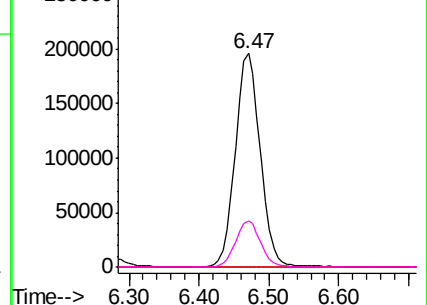
61 21.7 16.9 25.3

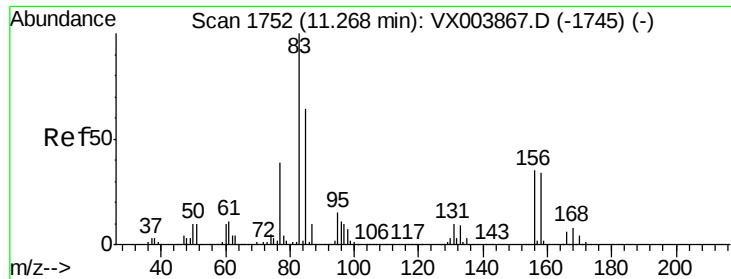
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.47 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

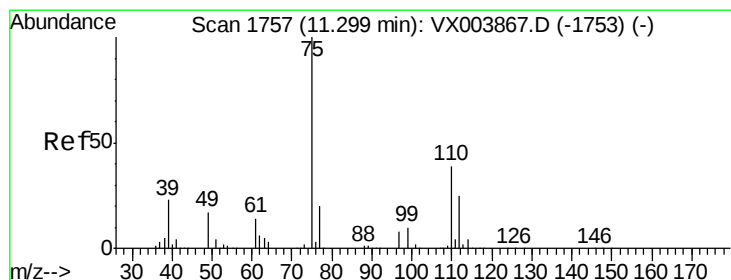
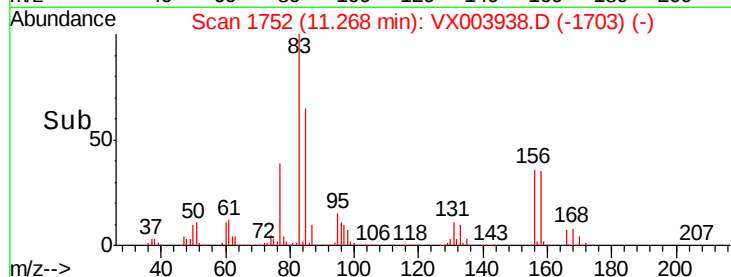
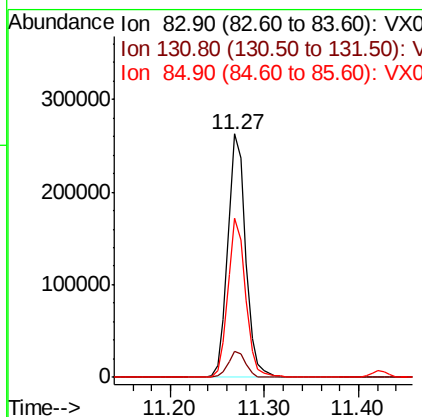
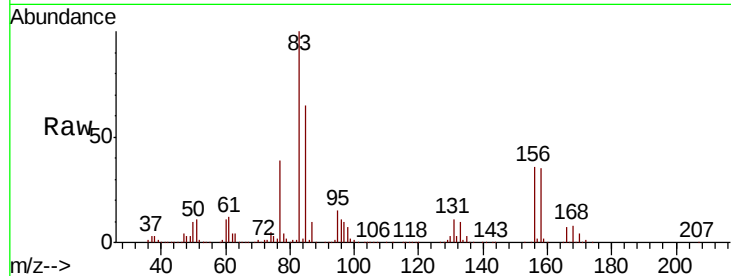
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	345560
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	64.5	32.2	96.6

Manual Integrations
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8/9/2018 10:40:47 AM



#76

1,2,3-Trichloropropane

Concen: 49.80 ug/l m

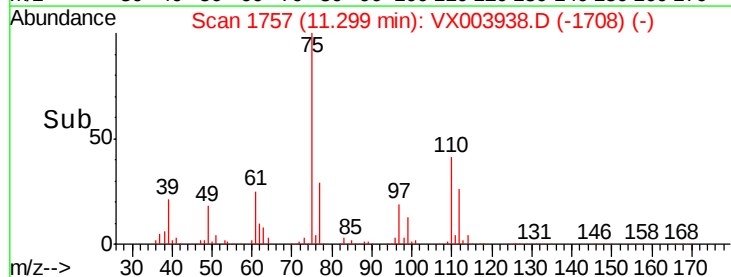
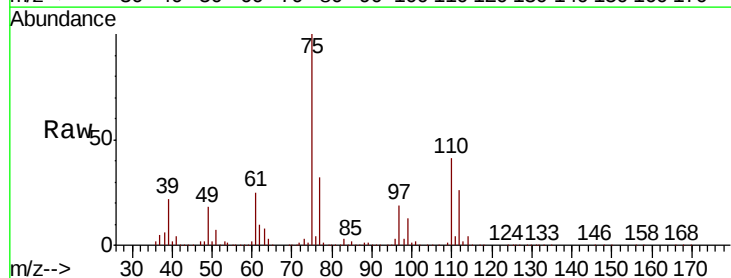
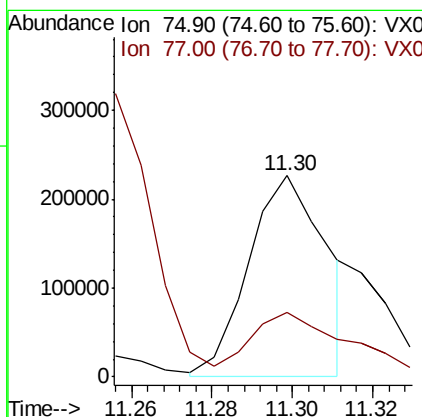
RT: 11.30 min Scan# 1757

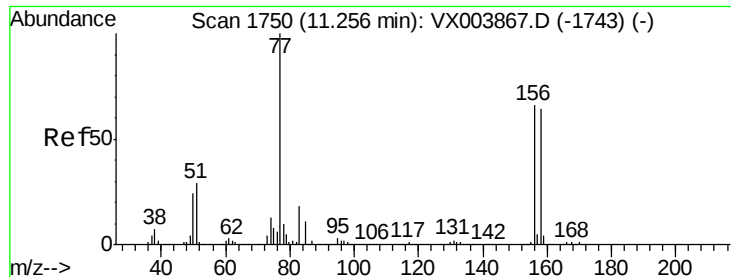
Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Tgt Ion:	75	Resp:	302994
Ion	Ratio	Lower	Upper
75	100		
77	40.8	20.8	62.5





#77

Bromobenzene

Concen: 50.68 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

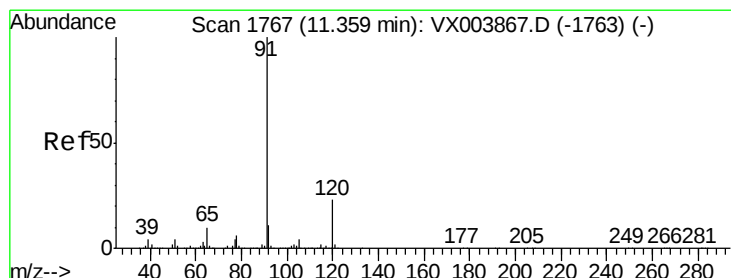
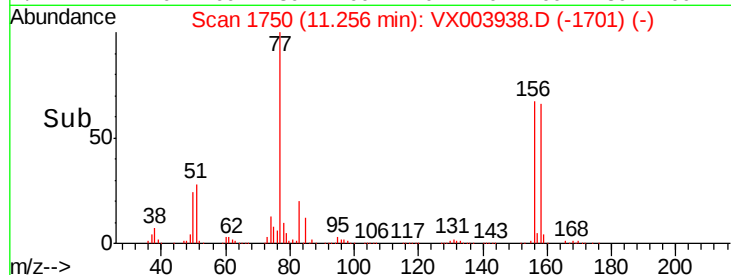
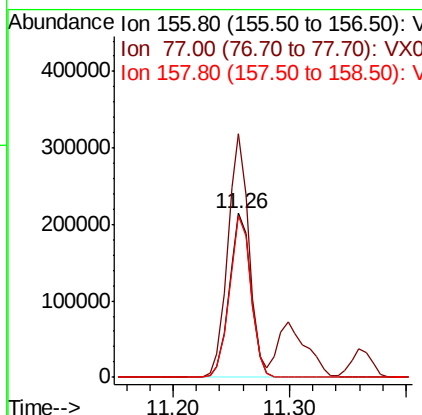
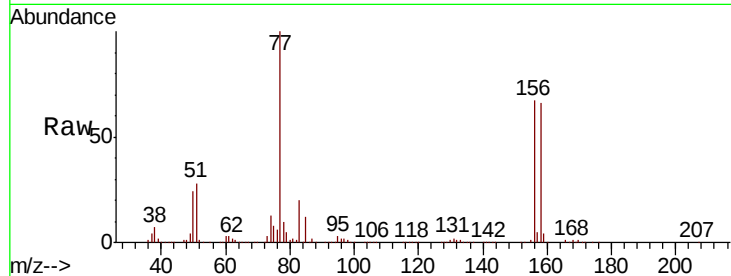
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	145.2	74.1	222.2	
158	97.7	48.6	145.9	

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#78

n-propylbenzene

Concen: 51.91 ug/l

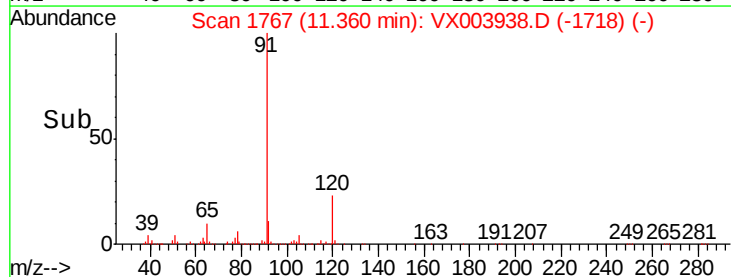
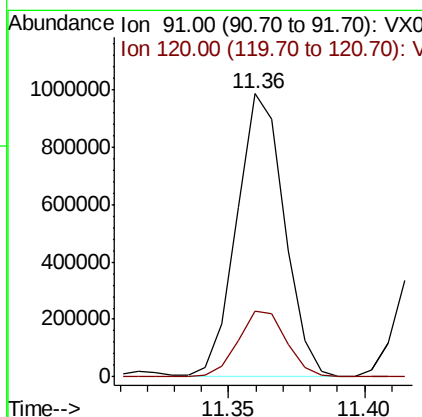
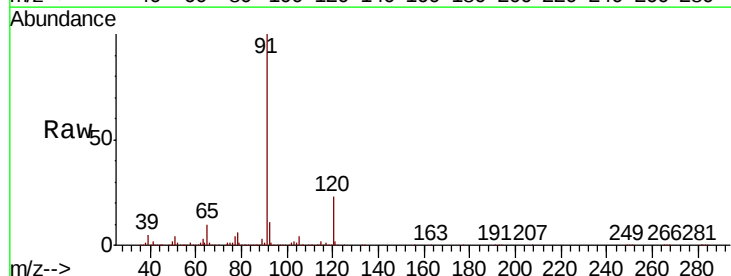
RT: 11.36 min Scan# 1767

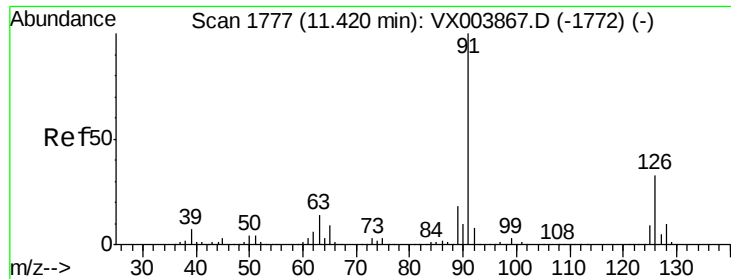
Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.9	11.9	35.5	





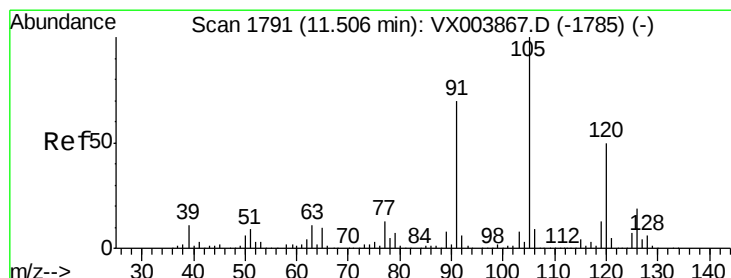
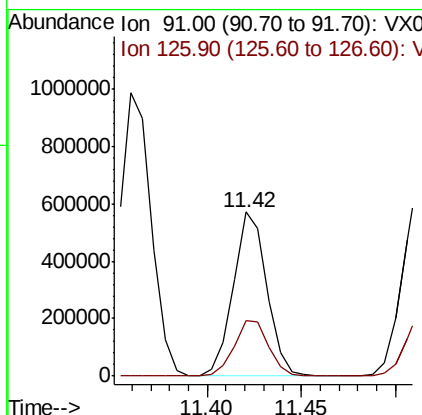
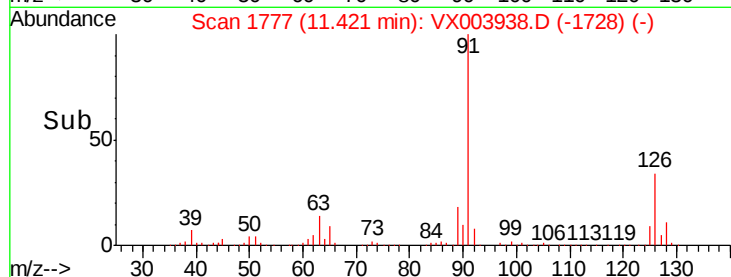
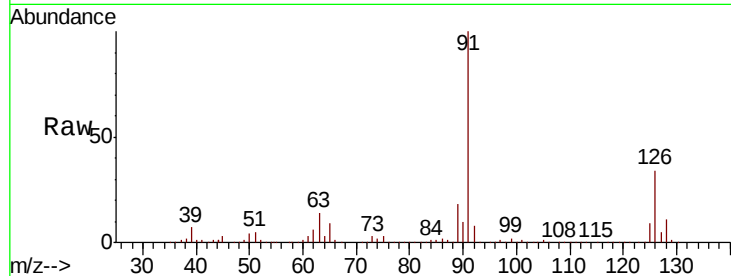
#79
 2-Chlorotoluene
 Concen: 50.13 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 699397
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.4 52.3

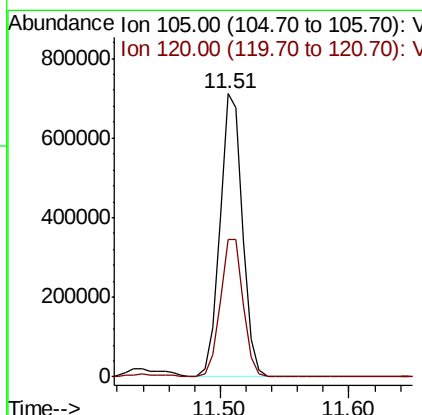
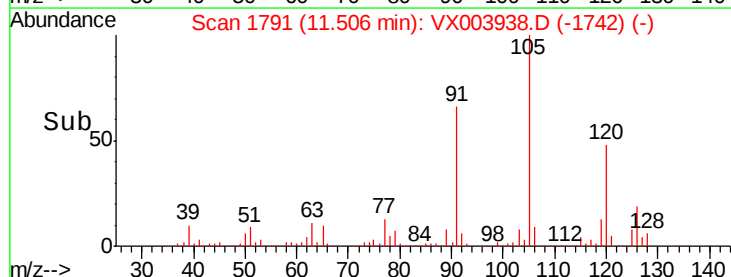
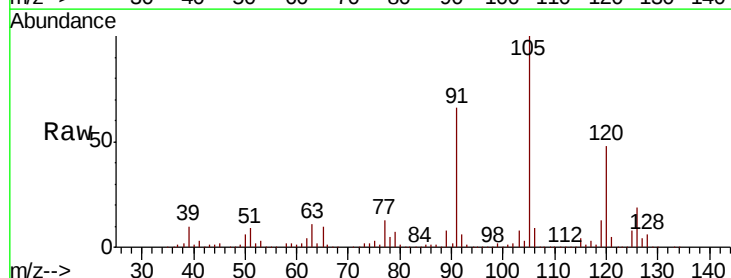
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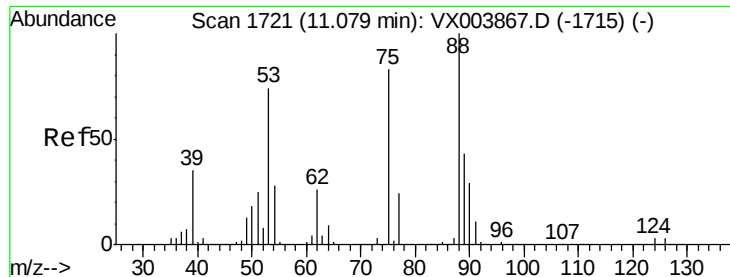
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.56 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion: 105 Resp: 873374
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 42.00 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 75 Resp: 93119

Ion Ratio Lower Upper

75 100

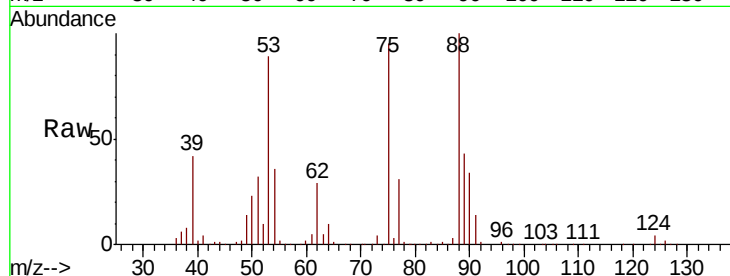
53 98.3 80.3 120.5

89 46.0 37.8 56.8

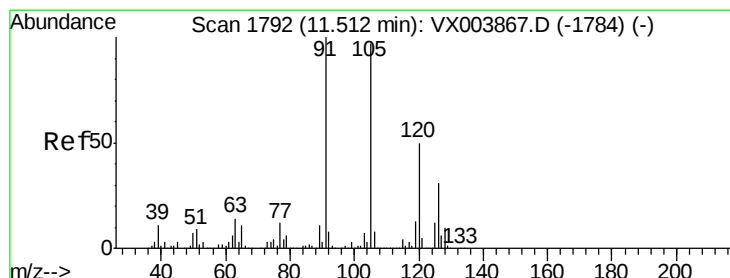
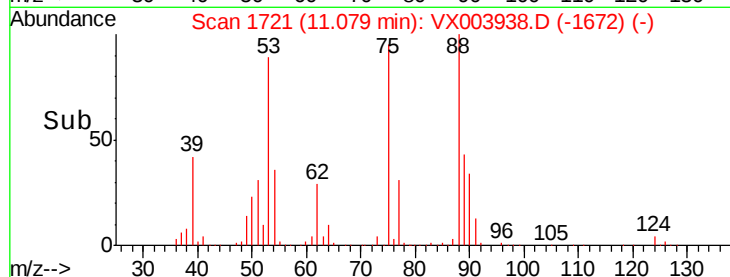
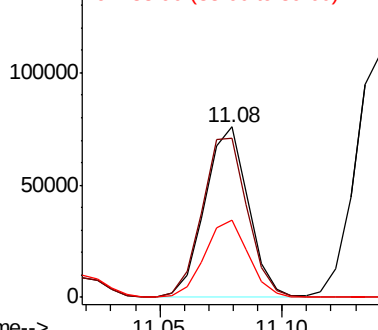
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.35 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003938.D

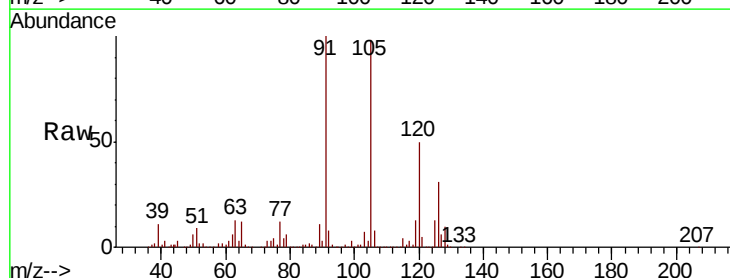
Acq: 08 Aug 2018 21:44

Tgt Ion: 91 Resp: 823011

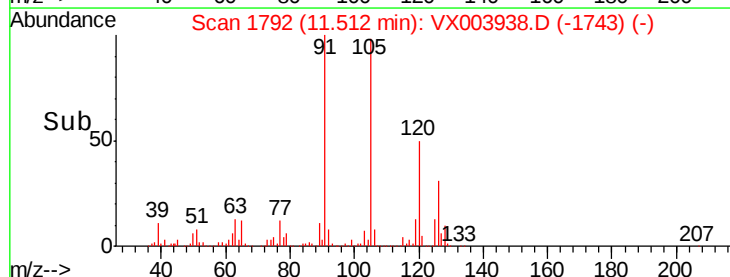
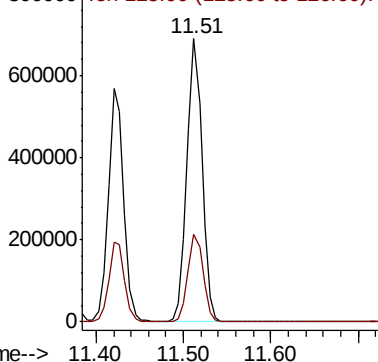
Ion Ratio Lower Upper

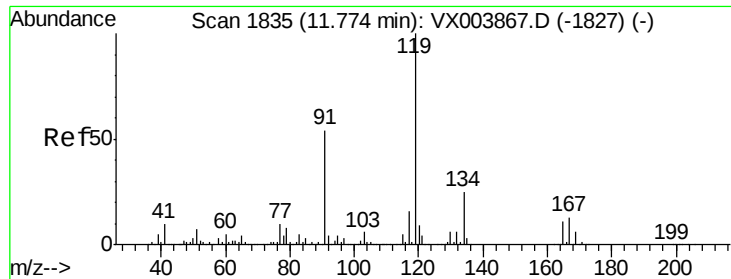
91 100

126 31.2 15.6 46.7



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





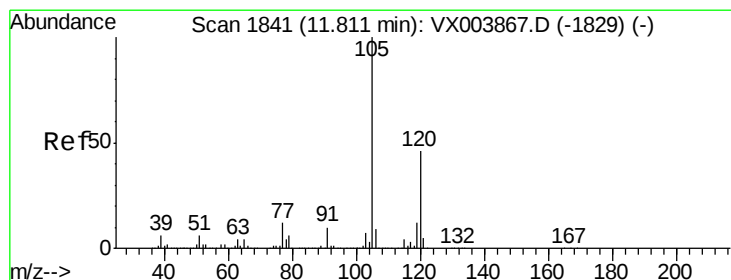
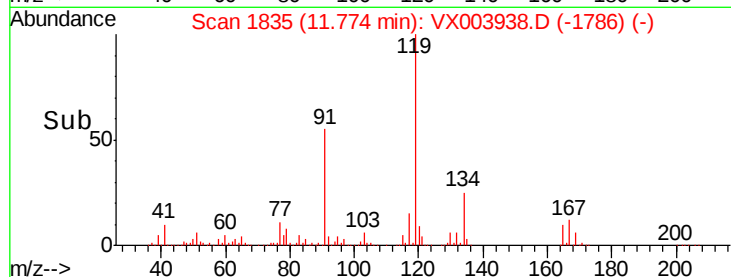
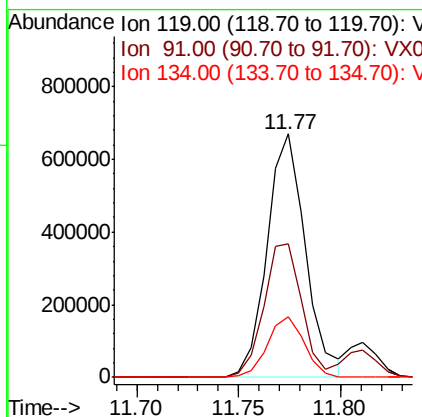
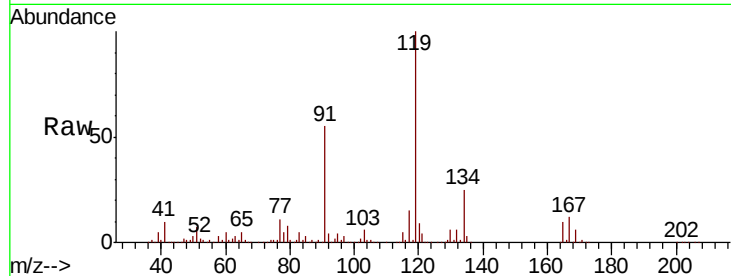
#83
tert-Butylbenzene
Concen: 53.45 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.5	26.9	80.7
134	24.1	12.0	36.0

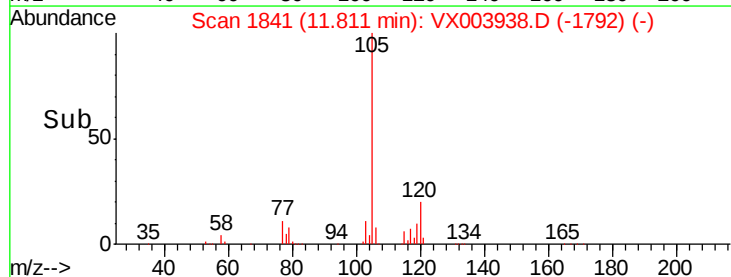
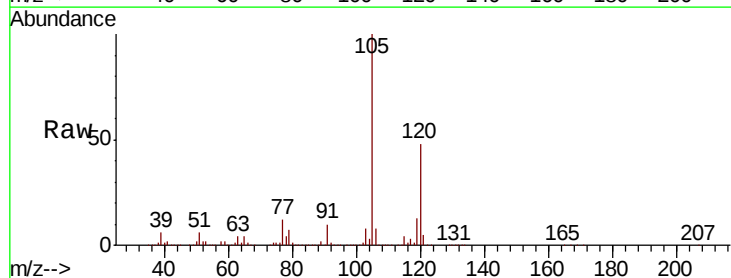
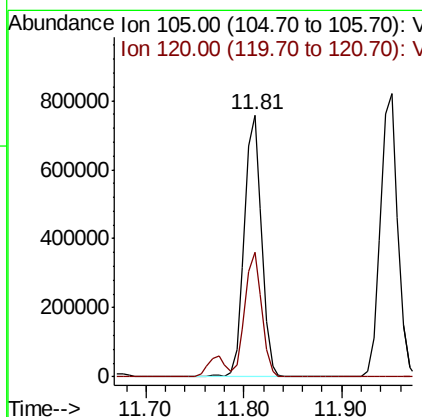
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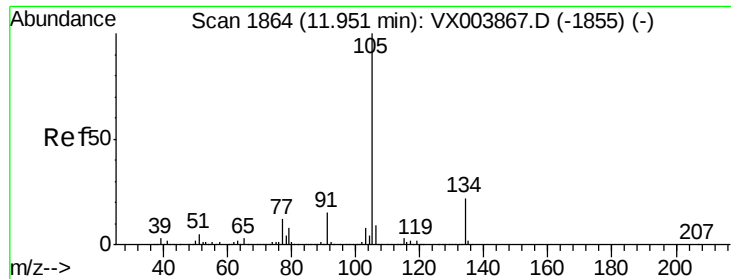
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#84
1,2,4-Trimethylbenzene
Concen: 55.49 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.1	69.2





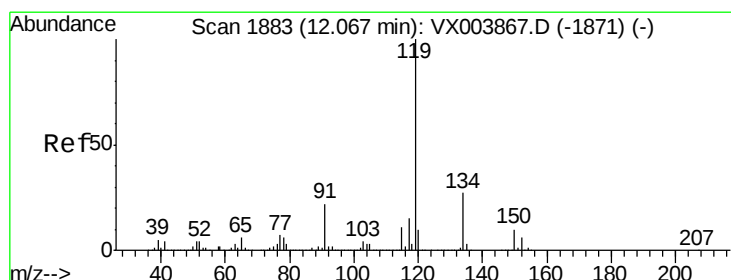
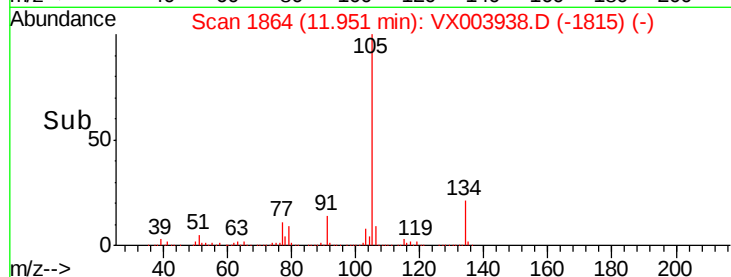
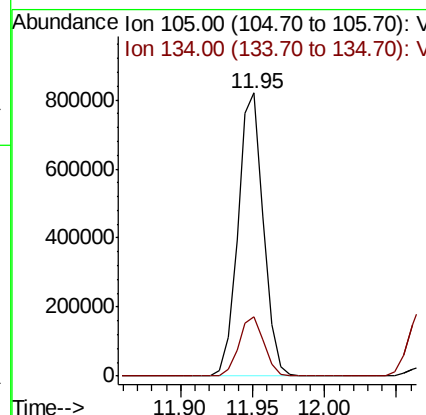
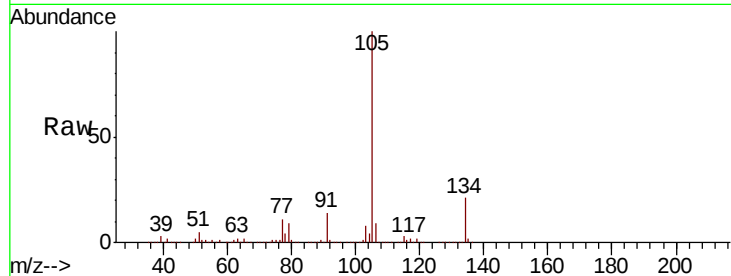
#85
 sec-Butylbenzene
 Concen: 52.15 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1006146
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.9

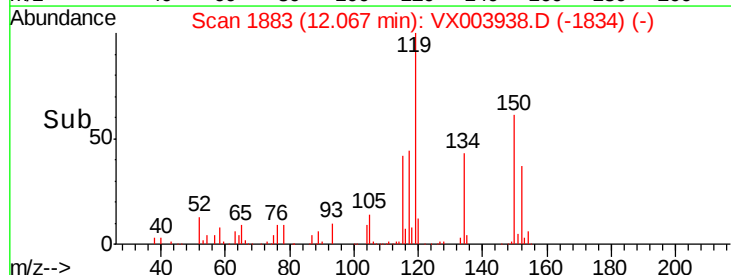
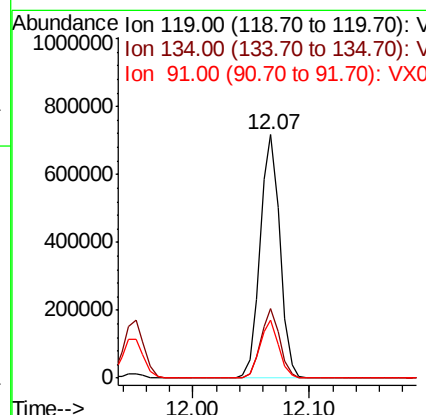
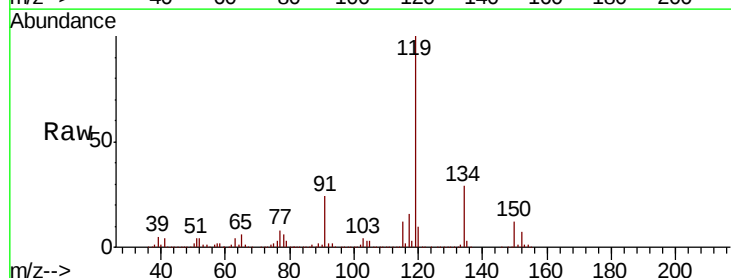
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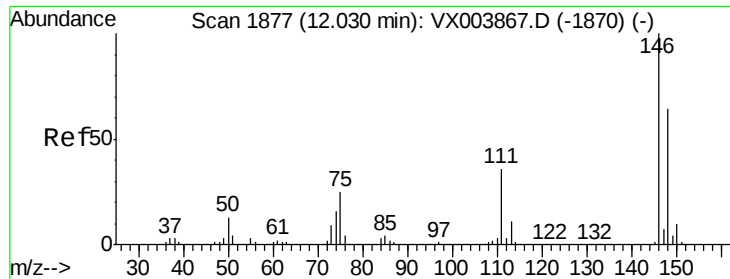
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#86
 p-Isopropyltoluene
 Concen: 49.18 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion:119 Resp: 851362
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.3 39.8
 91 22.7 10.9 32.7





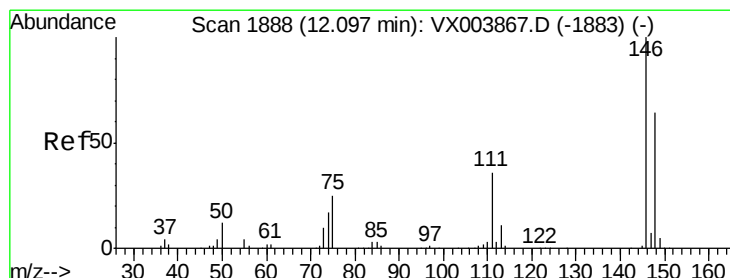
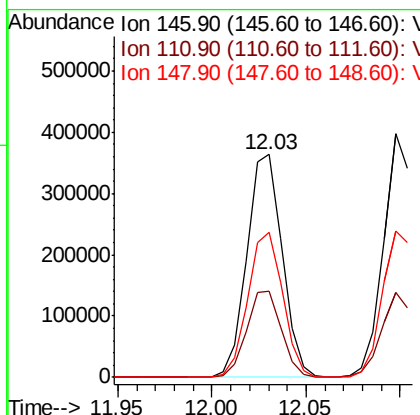
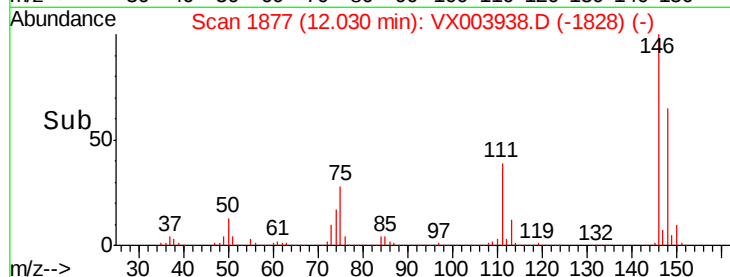
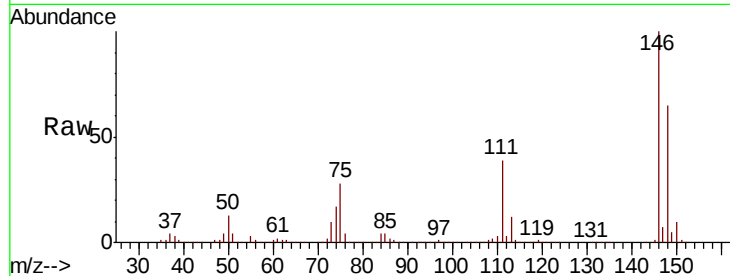
#87
 1,3-Dichlorobenzene
 Concen: 47.09 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	64.2	31.9	95.5

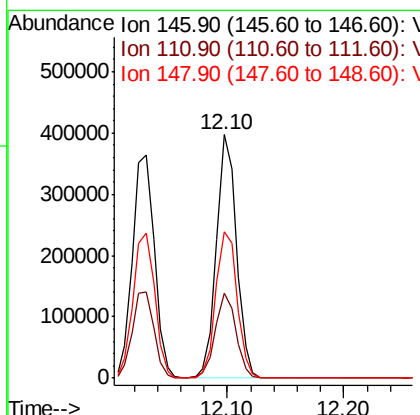
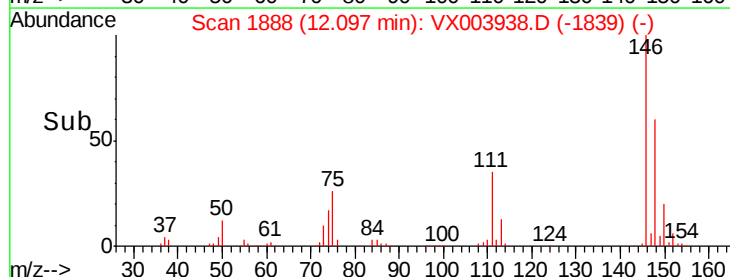
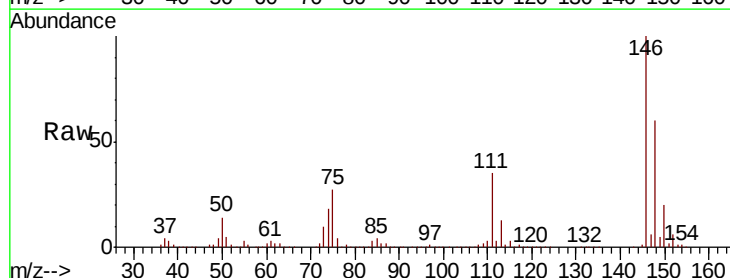
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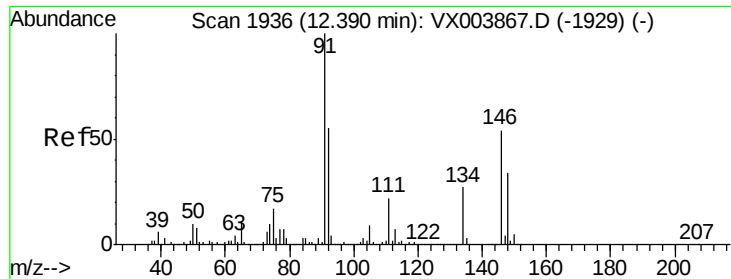
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#88
 1,4-Dichlorobenzene
 Concen: 48.67 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.4	55.0
148	64.0	32.3	96.8





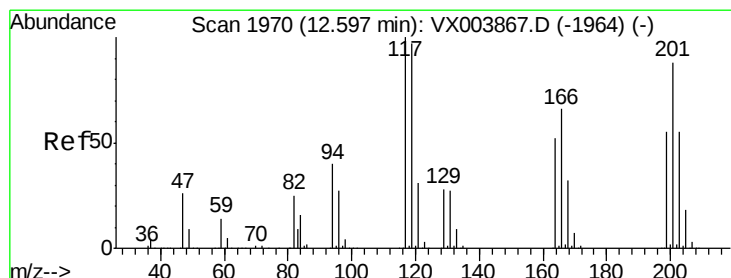
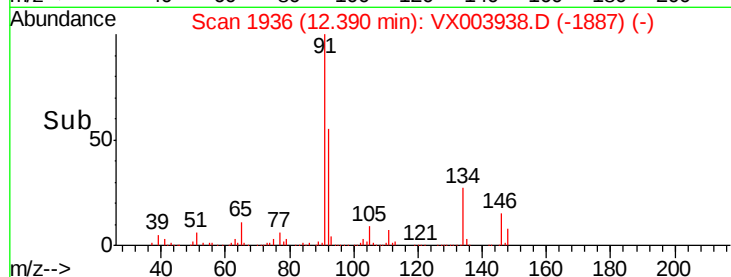
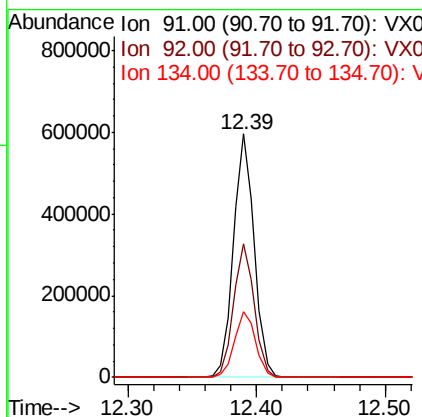
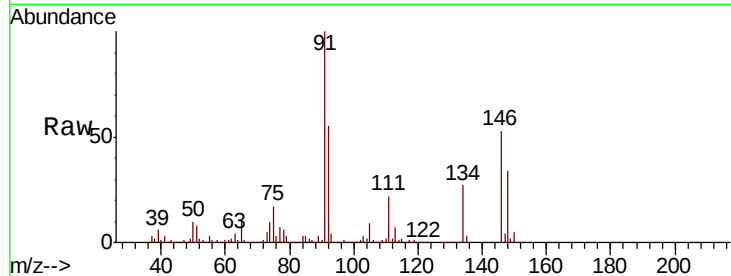
#89
n-Butylbenzene
Concen: 44.50 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.1	81.3
134	27.2	13.6	40.7

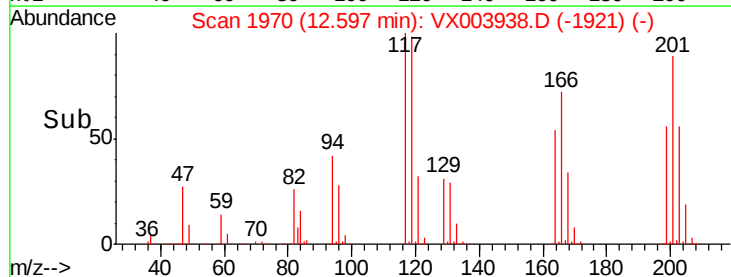
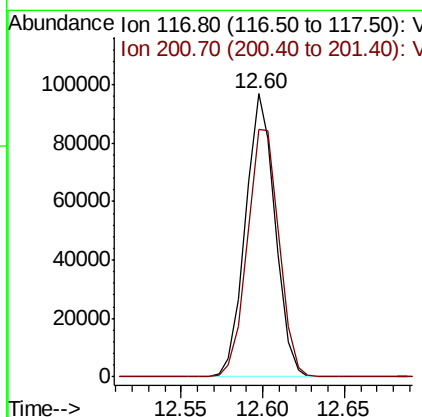
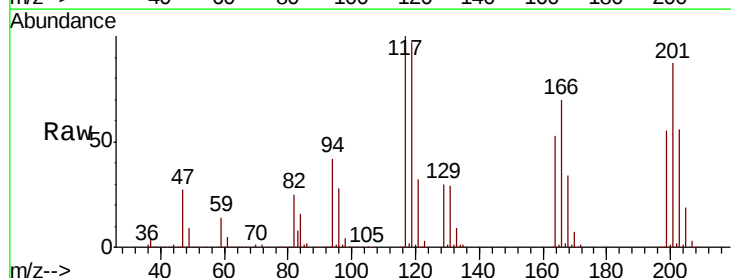
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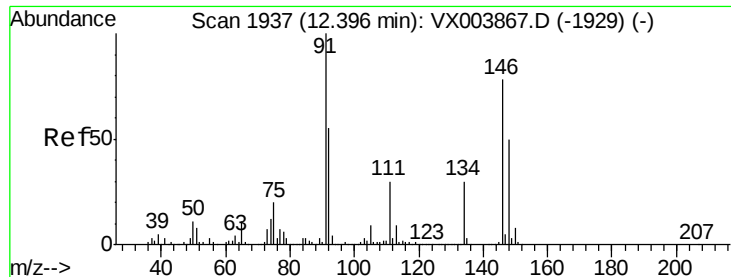
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#90
Hexachloroethane
Concen: 43.78 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.3	46.1	138.2





#91

1,2-Dichlorobenzene

Concen: 44.37 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 442009

Ion Ratio Lower Upper

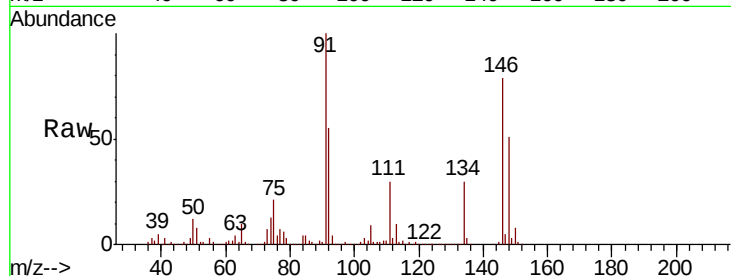
146 100

111 38.8 19.7 59.0

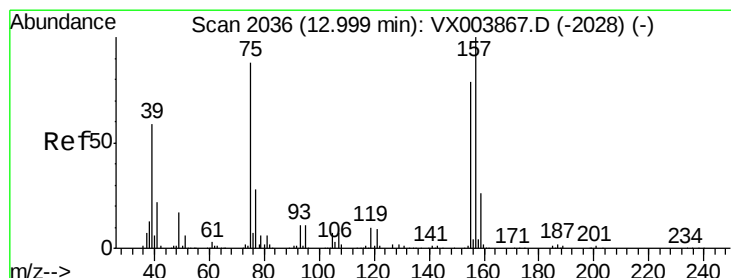
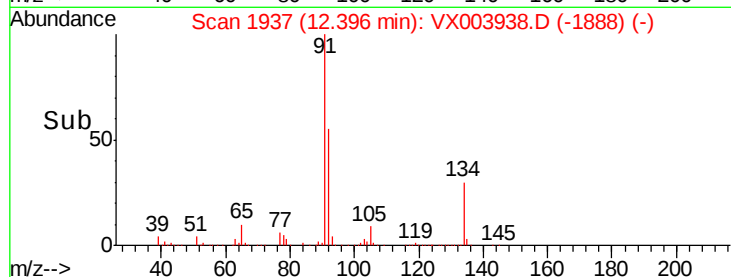
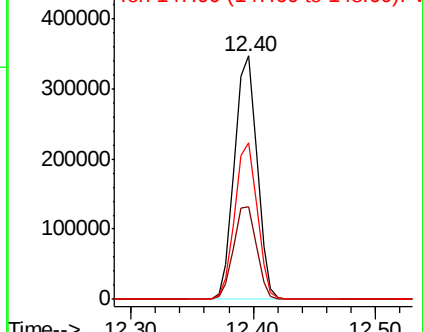
148 63.7 31.9 95.5

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.37 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

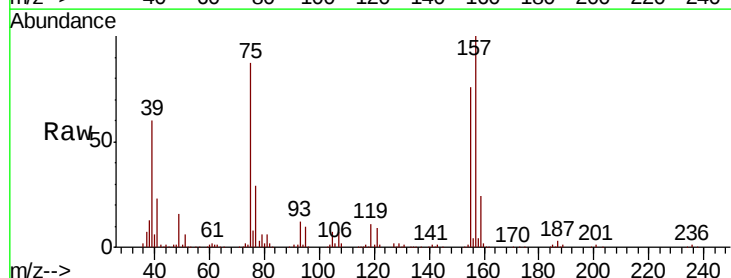
Tgt Ion: 75 Resp: 66343

Ion Ratio Lower Upper

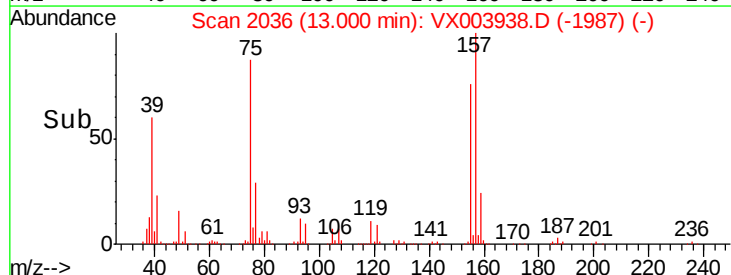
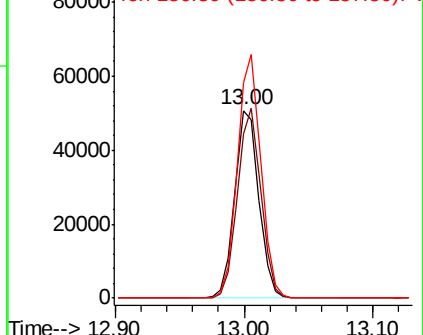
75 100

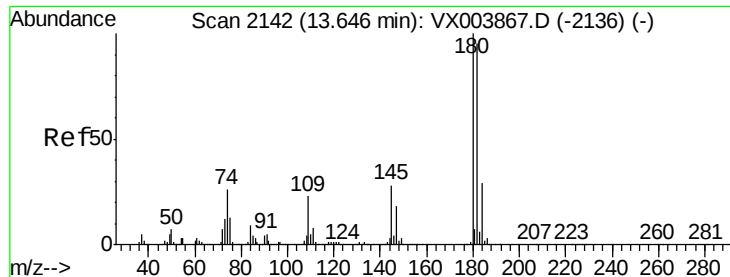
155 97.8 48.7 146.1

157 125.7 62.6 187.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





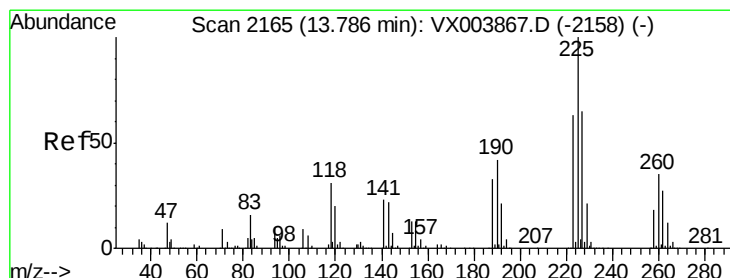
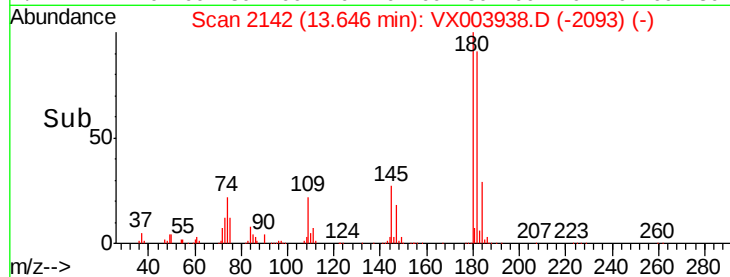
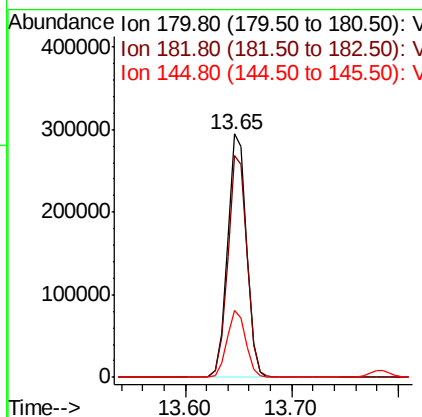
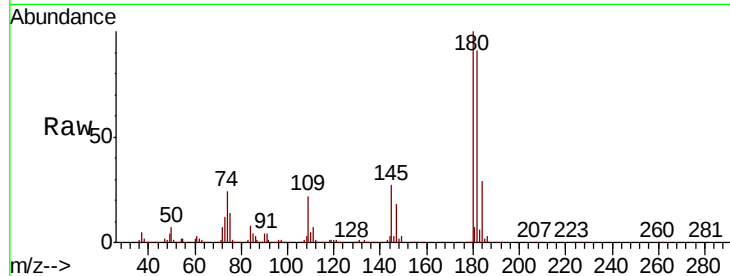
#93
 1,2,4-Trichlorobenzene
 Concen: 51.16 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.4	47.7	143.1	
145	27.3	13.9	41.6	

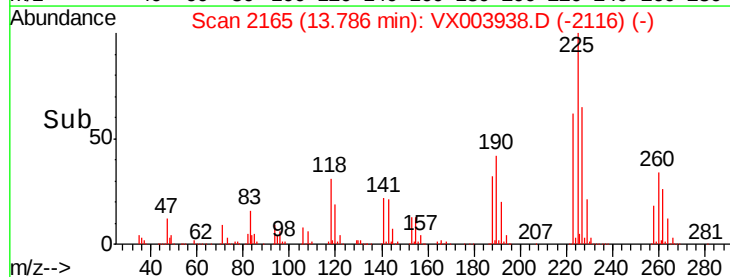
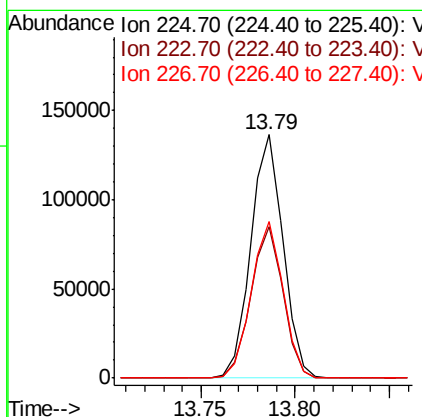
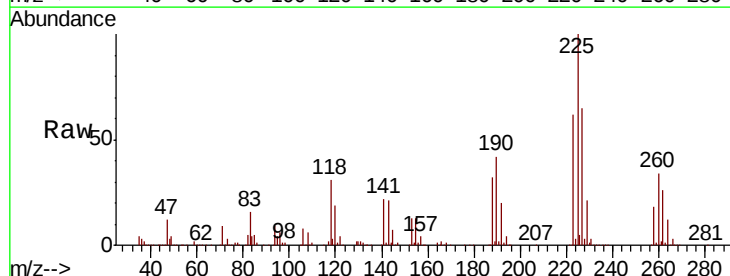
Manual Integrations
 APPROVED

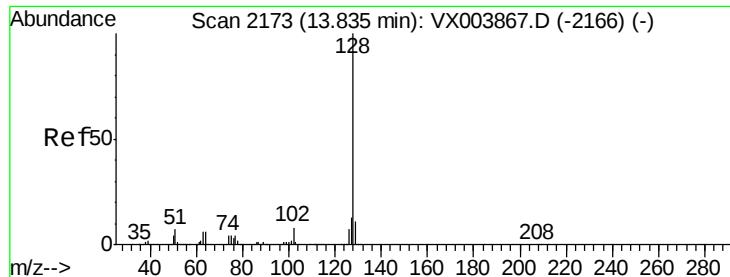
MMDadoda
 8/9/2018 10:40:47 AM



#94
 Hexachlorobutadiene
 Concen: 51.14 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	31.4	94.0	
227	63.7	32.1	96.5	





#95

Naphthalene

Concen: 57.91 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1188254

Ion Ratio Lower Upper

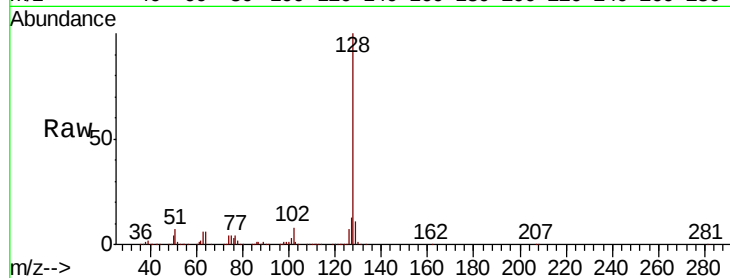
128 100

127 12.8 10.2 15.2

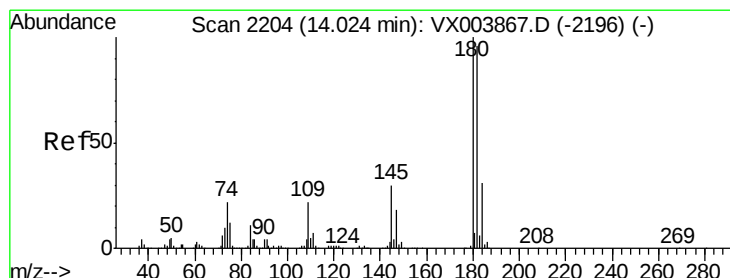
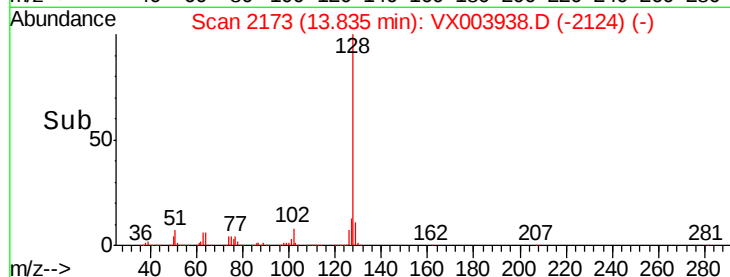
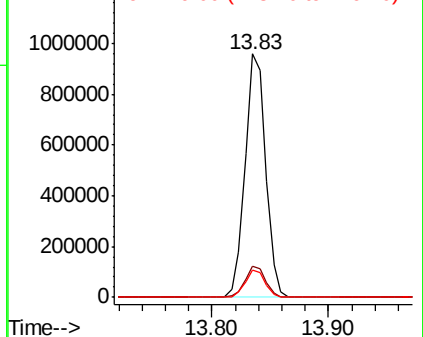
129 11.0 8.8 13.2

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:40:47 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 52.55 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

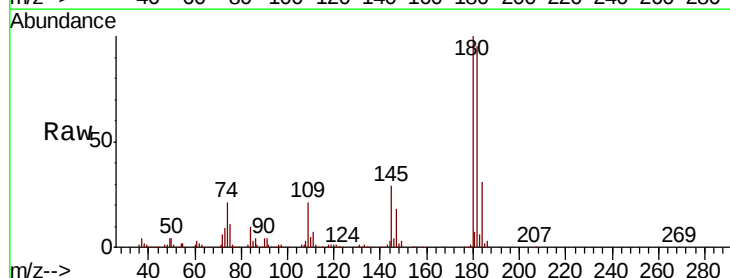
Tgt Ion:180 Resp: 375736

Ion Ratio Lower Upper

180 100

182 96.3 48.1 144.4

145 30.0 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

