

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080318\
 Data File : VX003837.D
 Acq On : 02 Aug 2018 21:36
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080318

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 1:36:01 PM

Quant Time: Aug 03 02:28:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:55:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	115943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	166338	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	155405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	70568	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	5.51	113	65225	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	8.72	98	239951	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
62) 4-Bromofluorobenzene	11.14	95	87034	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	57474	52.50	ug/l	98
3) Chloromethane	1.32	50	78541	48.94	ug/l	100
4) Vinyl Chloride	1.40	62	74067	50.84	ug/l	98
5) Bromomethane	1.64	94	33239	56.55	ug/l	99
6) Chloroethane	1.72	64	34393	43.35	ug/l #	84
7) Trichlorofluoromethane	1.92	101	97003	52.74	ug/l	100
8) Diethyl Ether	2.19	74	41155	49.81	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57886	50.25	ug/l	99
10) Methyl Iodide	2.51	142	85942	52.85	ug/l	98
11) Tert butyl alcohol	3.08	59	76413	230.77	ug/l	100
12) 1,1-Dichloroethene	2.37	96	57214	50.04	ug/l	97
13) Acrolein	2.29	56	68220	245.85	ug/l	96
14) Allyl chloride	2.72	41	108535	50.74	ug/l	97
15) Acrylonitrile	3.15	53	182867	232.06	ug/l	98
16) Acetone	2.45	43	178095	221.37	ug/l	95
17) Carbon Disulfide	2.56	76	164001	50.78	ug/l	100
18) Methyl Acetate	2.78	43	80007	48.24	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	196727	48.66	ug/l	96
20) Methylene Chloride	2.86	84	64273	45.42	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	61272	48.04	ug/l	91
22) Diisopropyl ether	3.87	45	199371	48.09	ug/l	97
23) Vinyl Acetate	3.82	43	866688	251.59	ug/l	97
24) 1,1-Dichloroethane	3.70	63	111805	48.25	ug/l	99
25) 2-Butanone	4.71	43	316863	231.80	ug/l	99
26) 2,2-Dichloropropane	4.58	77	69607	44.60	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	73858	50.43	ug/l	97
28) Bromochloromethane	5.02	49	53898	48.77	ug/l	97
29) Tetrahydrofuran	5.17	42	166555	238.34	ug/l	98
30) Chloroform	5.21	83	114333	47.23	ug/l	98
31) Cyclohexane	5.57	56	104994	54.03	ug/l #	82
32) 1,1,1-Trichloroethane	5.49	97	99550	50.01	ug/l	99
36) 1,1-Dichloropropene	5.80	75	88448	49.96	ug/l	99
37) Ethyl Acetate	4.86	43	96900	46.78	ug/l	99
38) Carbon Tetrachloride	5.78	117	87049	49.54	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103056	52.80	ug/l	96
40) Benzene	6.15	78	263326	47.55	ug/l	100
41) Methacrylonitrile	5.07	41	55357	49.37	ug/l	99
42) 1,2-Dichloroethane	6.20	62	86862	46.72	ug/l	100
43) Isopropyl Acetate	6.47	43	148019	47.55	ug/l	99
44) Trichloroethene	7.21	130	72673	48.89	ug/l	99
45) 1,2-Dichloropropane	7.52	63	68388	47.55	ug/l	97
46) Dibromomethane	7.67	93	44045	47.46	ug/l	99
47) Bromodichloromethane	7.90	83	83697	48.07	ug/l	100
48) Methyl methacrylate	7.78	41	76627	48.86	ug/l	99
49) 1,4-Dioxane	7.76	88	36210	975.23	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	615189	236.90	ug/l	100
52) Toluene	8.79	92	167723	49.39	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	94694	49.84	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	102551	49.57	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	68000	47.04	ug/l	99
56) Ethyl methacrylate	9.18	69	104663	51.72	ug/l	98
57) 1,3-Dichloropropane	9.37	76	111544	47.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	262020	251.77	ug/l	100
59) 2-Hexanone	9.50	43	474547	238.50	ug/l	100
60) Dibromochloromethane	9.59	129	70073	49.52	ug/l	99
61) 1,2-Dibromoethane	9.68	107	71447	48.11	ug/l	100
64) Tetrachloroethene	9.34	164	70674	50.24	ug/l	99
65) Chlorobenzene	10.14	112	189251	49.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	67818	50.29	ug/l	99
67) Ethyl Benzene	10.26	91	320524	52.34	ug/l	100
68) m/p-Xylenes	10.36	106	254487	106.32	ug/l	98
69) o-Xylene	10.70	106	121633	52.71	ug/l	100
70) Styrene	10.71	104	205931	53.73	ug/l	100
71) Bromoform	10.86	173	56446	50.46	ug/l #	99
73) Isopropylbenzene	11.02	105	324187	52.74	ug/l	100
74) N-amyl acetate	6.47	43	148019	48.56	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	104840	46.81	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	91871m	47.55	ug/l	
77) Bromobenzene	11.26	156	88875	50.68	ug/l	99
78) n-propylbenzene	11.36	91	375715	54.03	ug/l	99
79) 2-Chlorotoluene	11.42	91	218879	50.91	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	276952	53.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	30697	50.08	ug/l	98
82) 4-Chlorotoluene	11.51	91	258893	52.05	ug/l	100
83) tert-Butylbenzene	11.77	119	276187	53.25	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	285015	53.44	ug/l	99
85) sec-Butylbenzene	11.95	105	325100	54.27	ug/l	100
86) p-Isopropyltoluene	12.07	119	297432	54.80	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	164689	50.52	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	167470	49.69	ug/l	100
89) n-Butylbenzene	12.39	91	252745	54.33	ug/l	99
90) Hexachloroethane	12.60	117	46039	52.37	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	163407	49.05	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23729	47.93	ug/l	99

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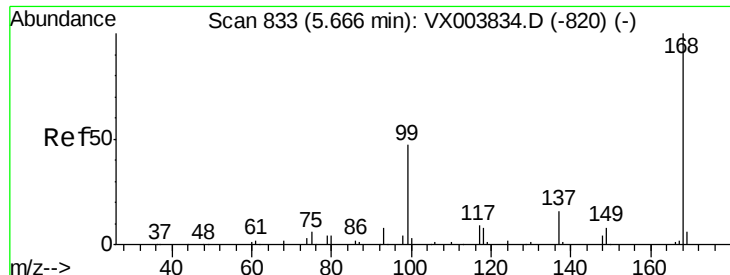
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	125123	53.03	ug/l	100
94) Hexachlorobutadiene	13.79	225	57564	51.68	ug/l	99
95) Naphthalene	13.83	128	375852	54.70	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	127805	52.05	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: VX003837.D

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Instrument :

MSVOA_X

ClientSampleId :

ICVVX080318

Tot Ion:168 Resp: 115943

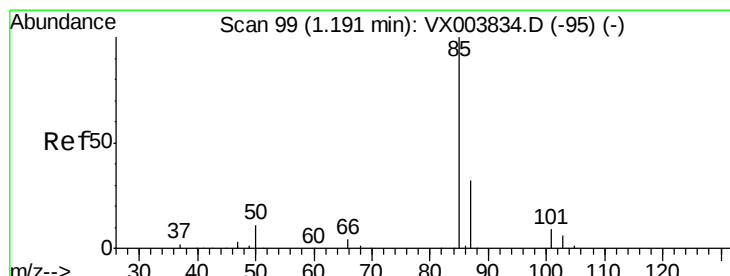
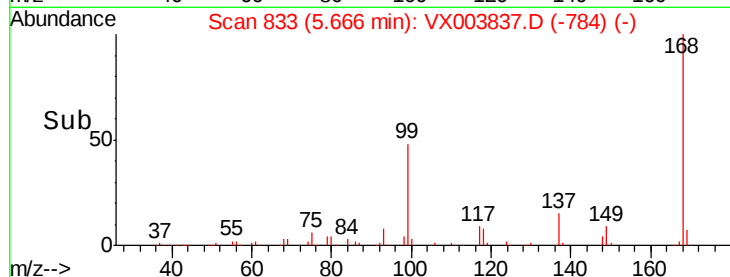
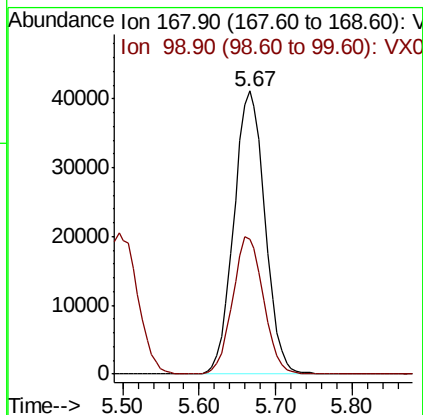
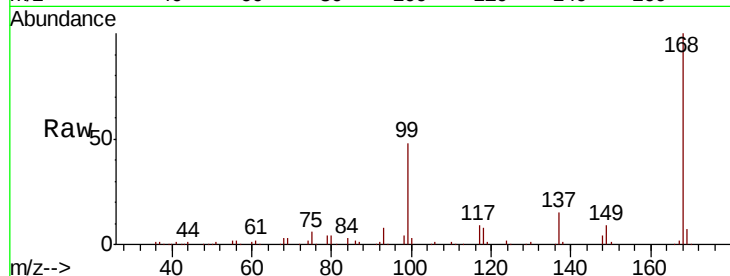
Ion Ratio Lower Upper

168 100

99 47.5 38.1 57.1

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 52.50 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.01 min

Lab File: VX003837.D

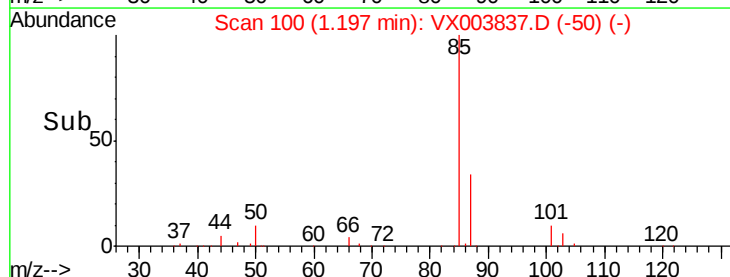
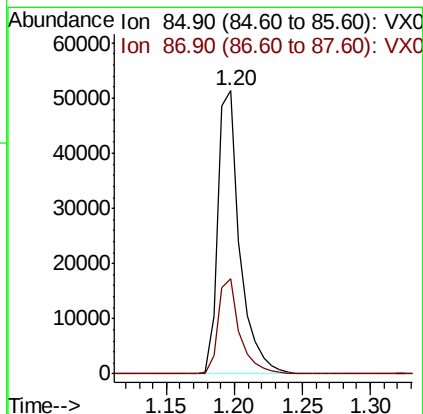
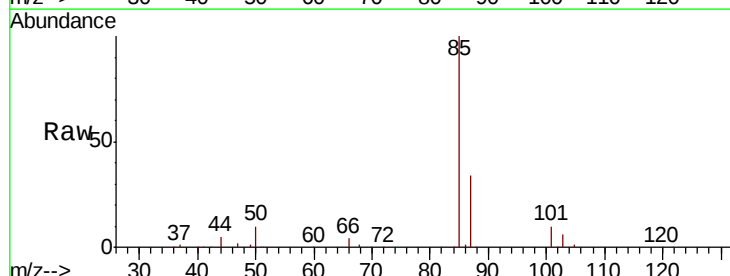
Acq: 02 Aug 2018 21:36

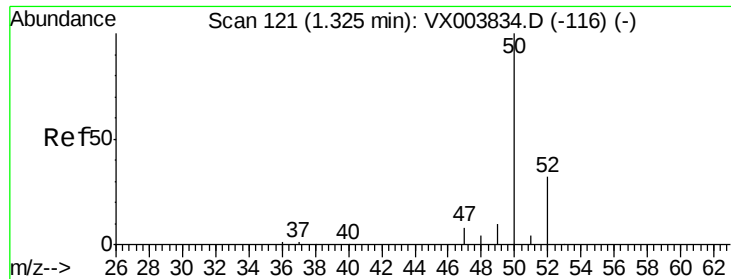
Tgt Ion: 85 Resp: 57474

Ion Ratio Lower Upper

85 100

87 33.7 16.2 48.5





#3

Chloromethane

Concen: 48.94 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080318

Tot Ion: 50 Resp: 78541

Ion Ratio Lower Upper

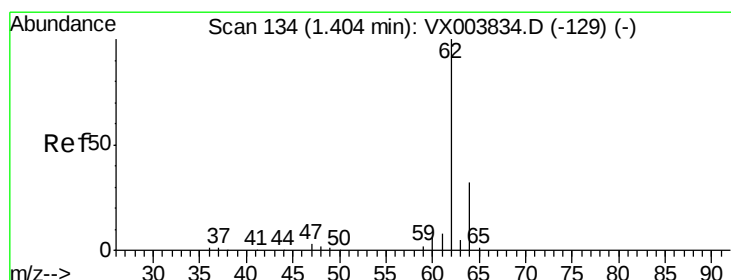
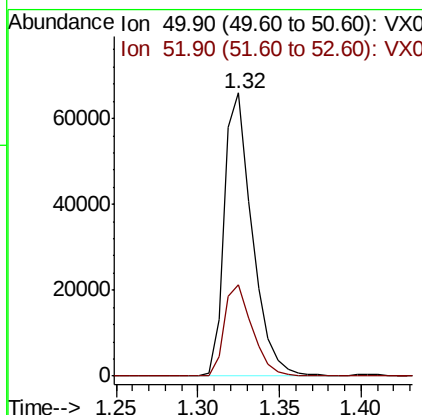
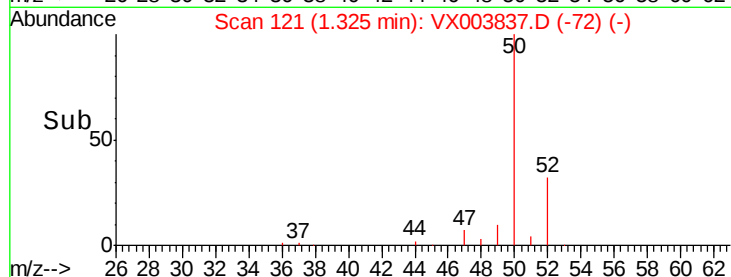
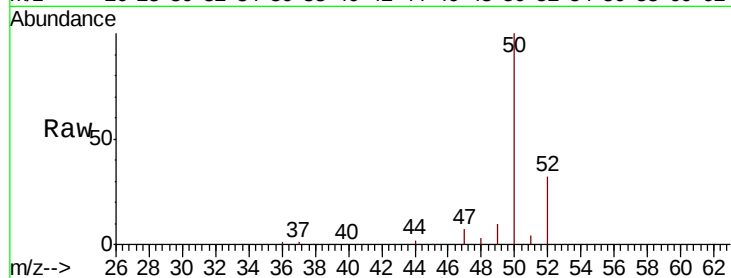
50 100

52 32.3 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 50.84 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003837.D

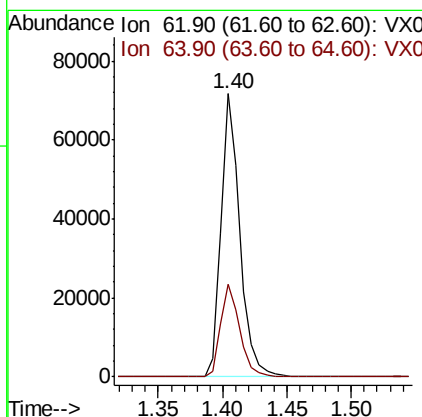
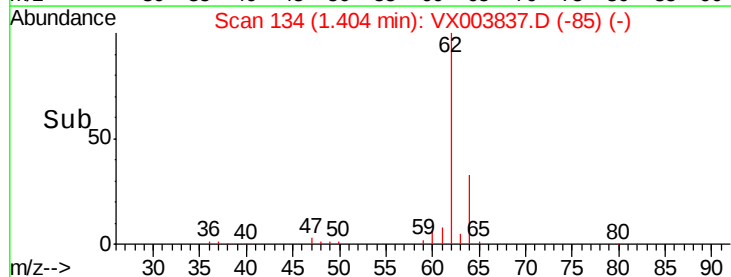
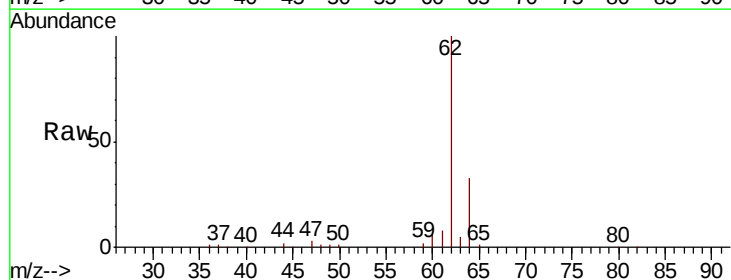
Acq: 02 Aug 2018 21:36

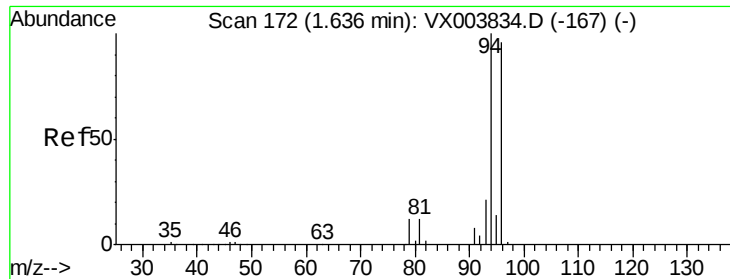
Tgt Ion: 62 Resp: 74067

Ion Ratio Lower Upper

62 100

64 32.6 25.3 37.9





#5

Bromomethane

Concen: 56.55 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080318

Tot Ion: 94 Resp: 33239

Ion Ratio Lower Upper

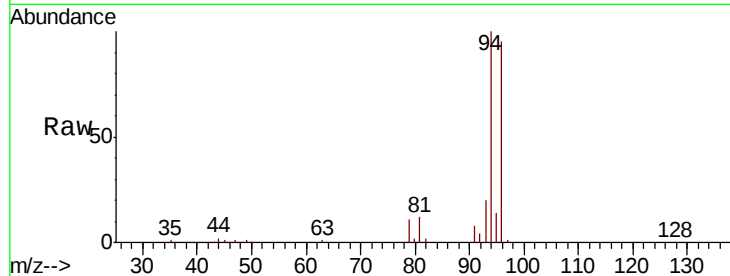
94 100

96 95.0 76.9 115.3

Manual Integrations
APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

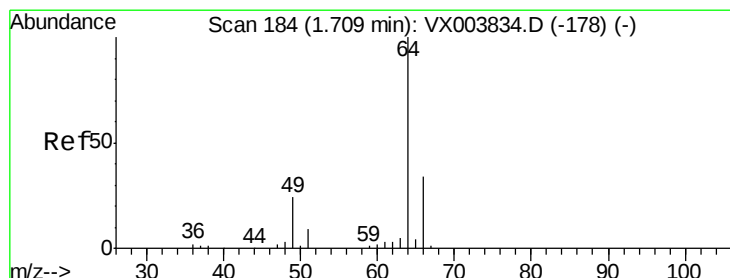
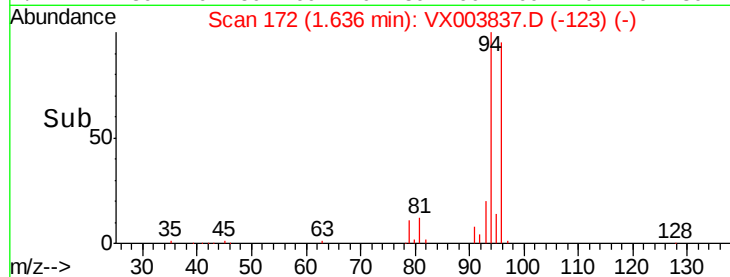
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 43.35 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.01 min

Lab File: VX003837.D

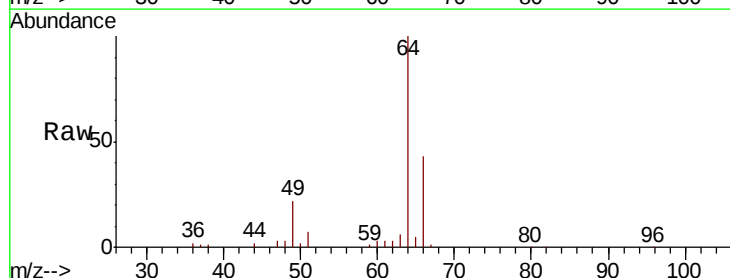
Acq: 02 Aug 2018 21:36

Tgt Ion: 64 Resp: 34393

Ion Ratio Lower Upper

64 100

66 43.1 27.2 40.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

30000

25000

20000

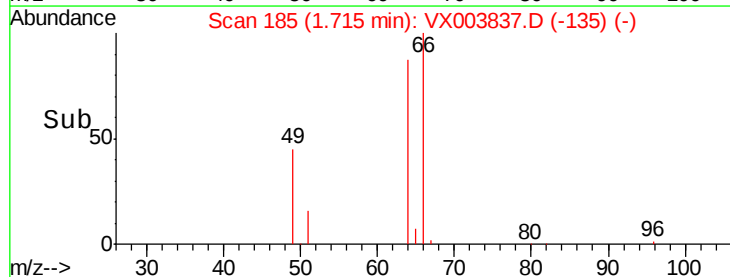
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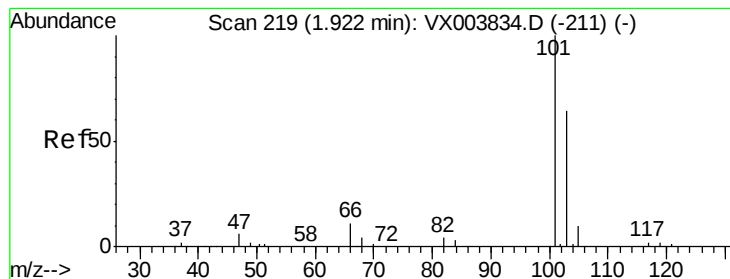
10000

5000

0

Time-->





#7

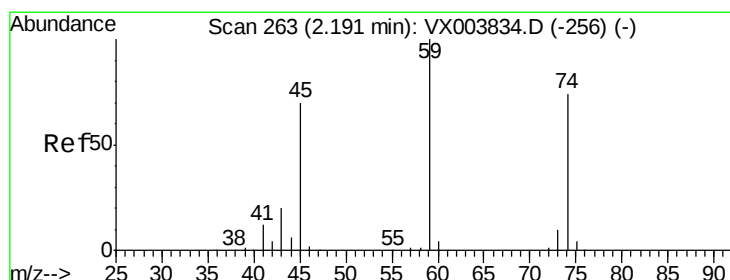
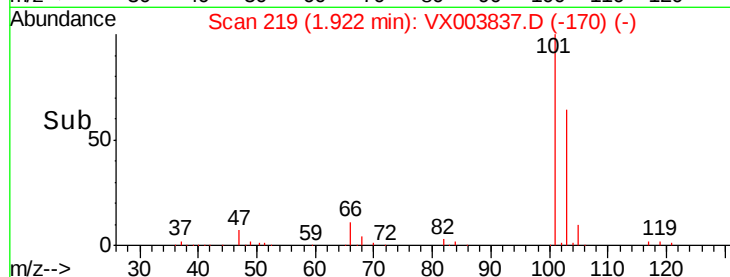
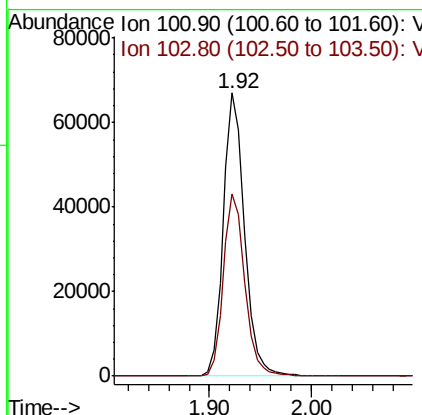
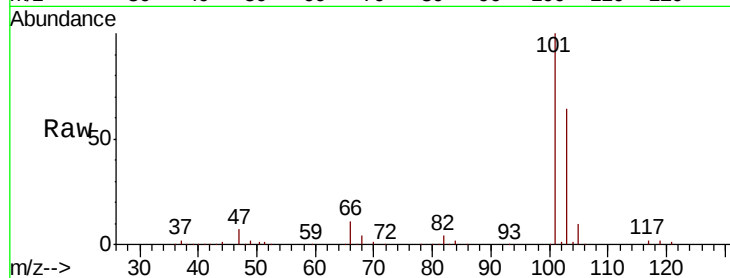
Trichlorofluoromethane
 Concen: 52.74 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080318

Tot Ion:101 Resp: 97003
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.0

Manual Integrations
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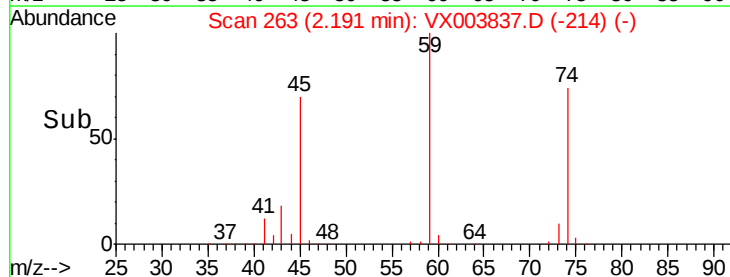
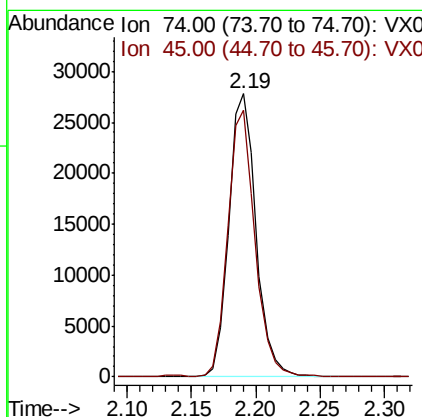
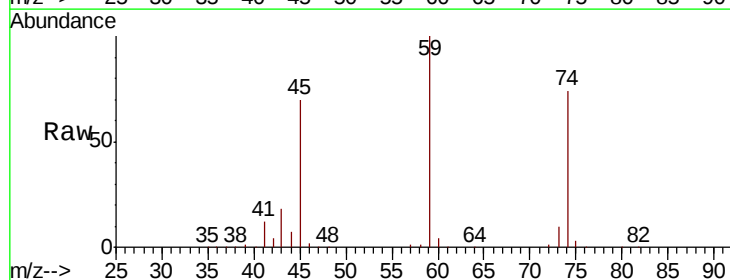
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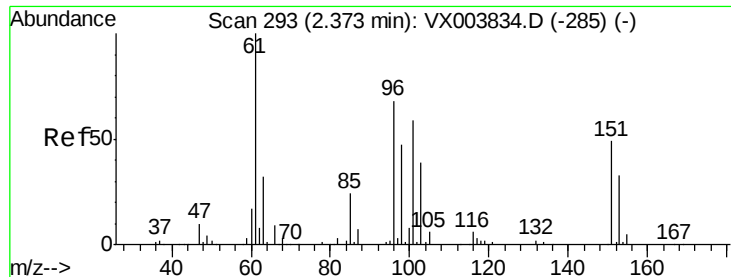


#8

Diethyl Ether
 Concen: 49.81 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Tgt Ion: 74 Resp: 41155
 Ion Ratio Lower Upper
 74 100
 45 94.4 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.25 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

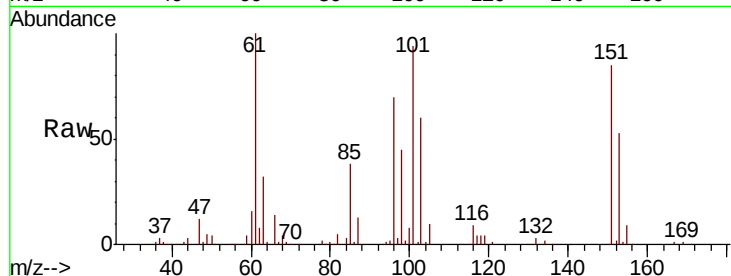
ClientSampleId :

ICVVX080318

Tot Ion:	101	Resp:	57886
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.6	50.4
151	90.1	71.0	106.4

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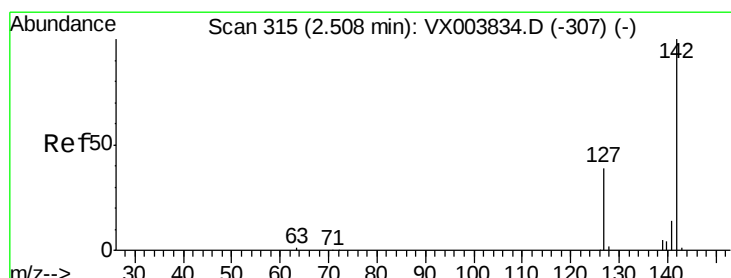
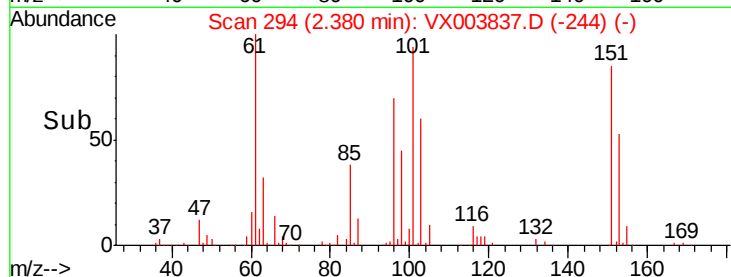
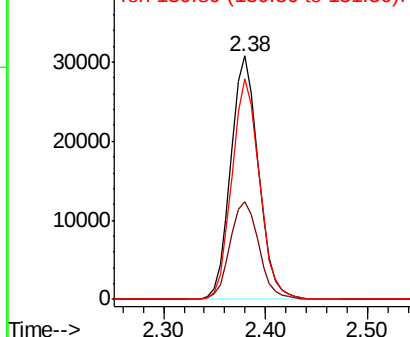


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.85 ug/l

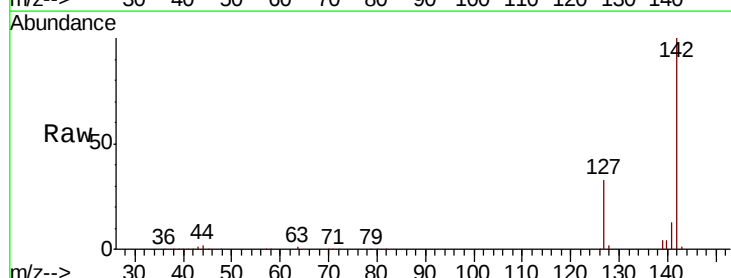
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Tgt Ion:	142	Resp:	85942
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.8	47.8
141	13.8	11.3	16.9

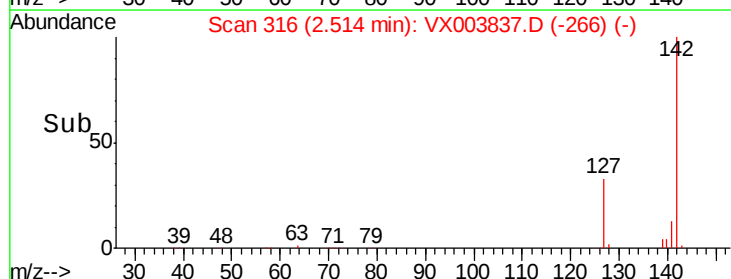
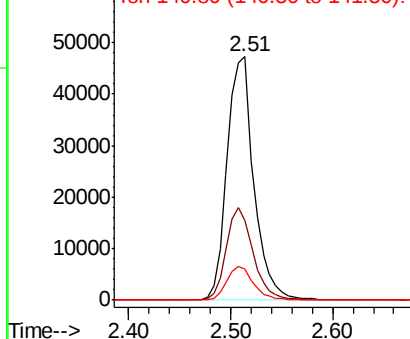


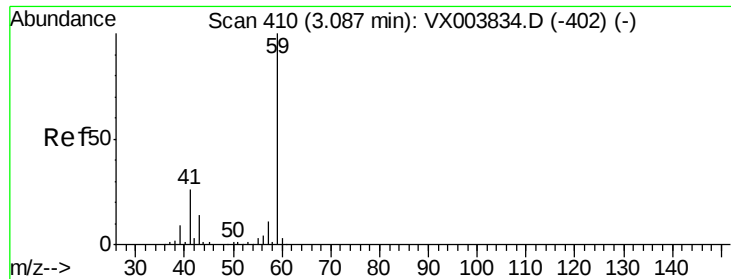
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

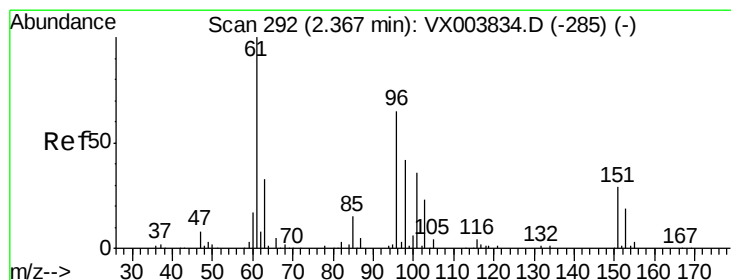
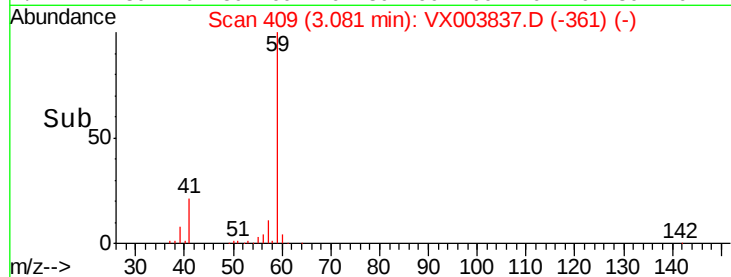
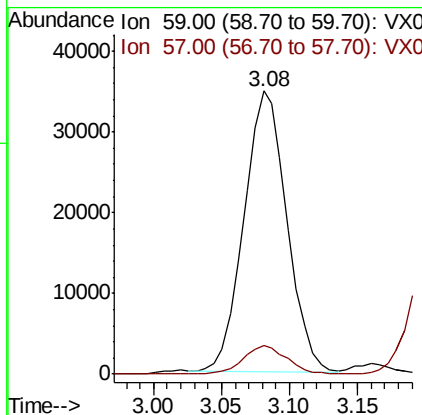
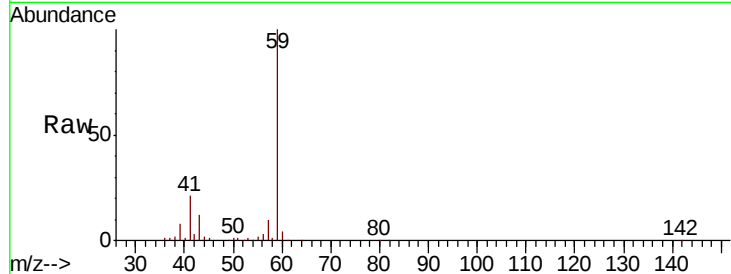
Tert butyl alcohol
Concen: 230.77 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	59.00	Resp	76413
Ion Ratio	100	Lower	Upper
59	100		
57	10.4	8.2	12.4

Manual Integrations
APPROVED

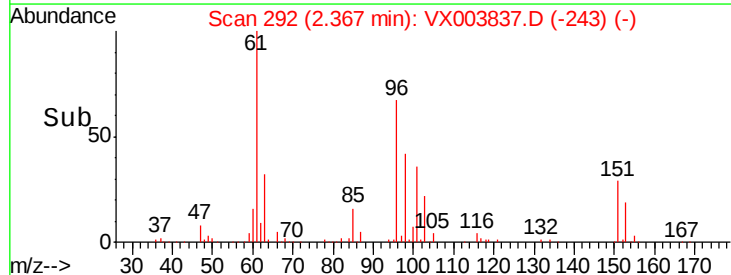
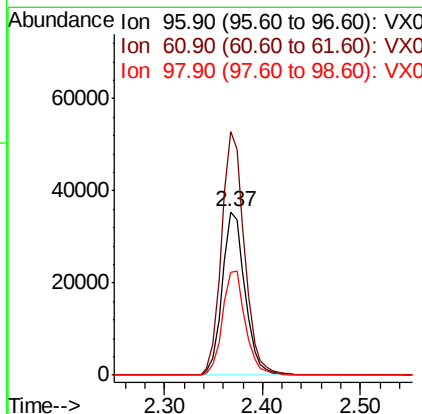
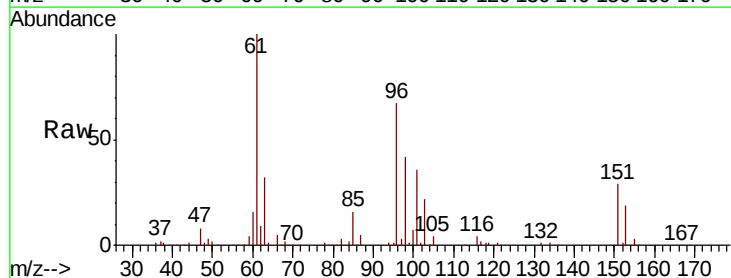
MMDadoda
8/6/2018 1:36:01 PM

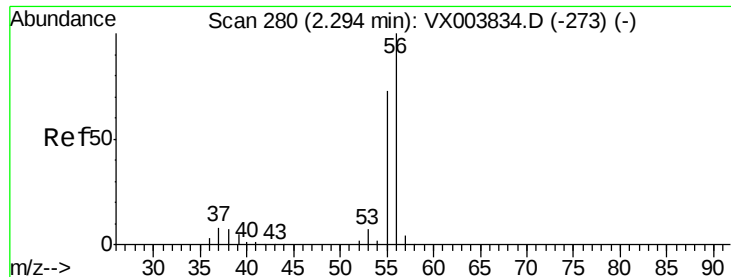


#12

1,1-Dichloroethene
Concen: 50.04 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	96	Resp	57214
Ion Ratio	100	Lower	Upper
96	100		
61	149.3	122.8	184.2
98	62.9	51.8	77.8





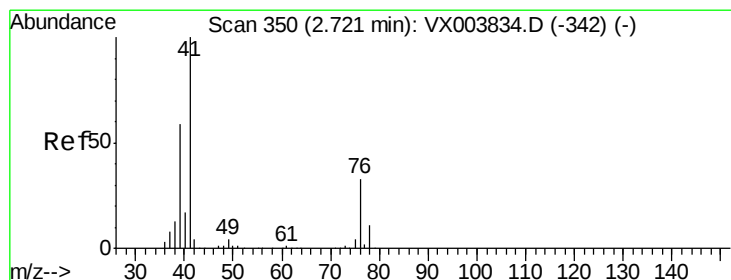
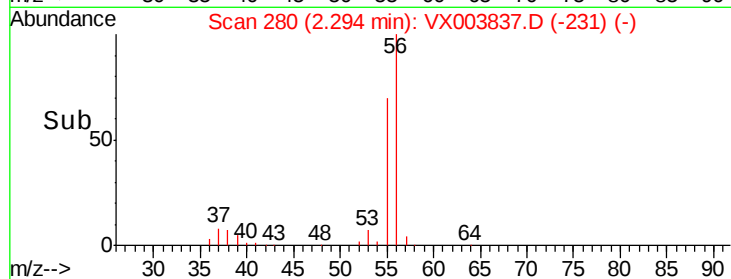
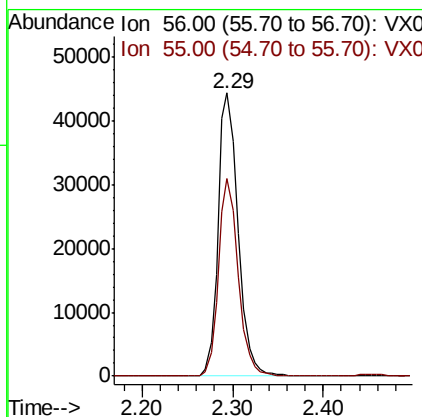
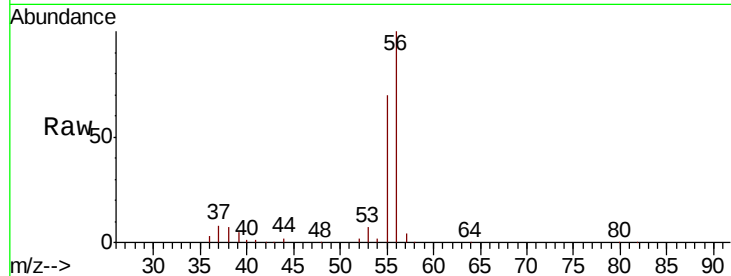
#13
Acrolein
Concen: 245.85 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	56	55	Ratio	100	68.7	Resp	68220	Lower	57.7	Upper	86.5
Ion	56	55	Ratio	100	68.7	Resp	68220	Lower	57.7	Upper	86.5

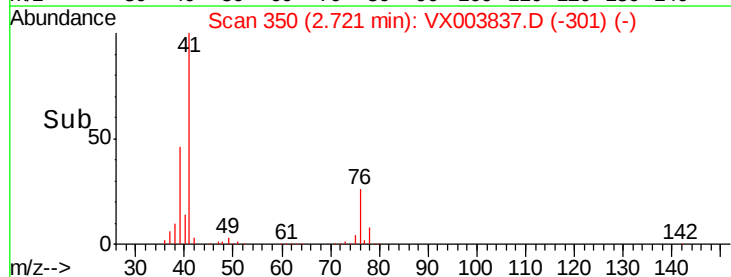
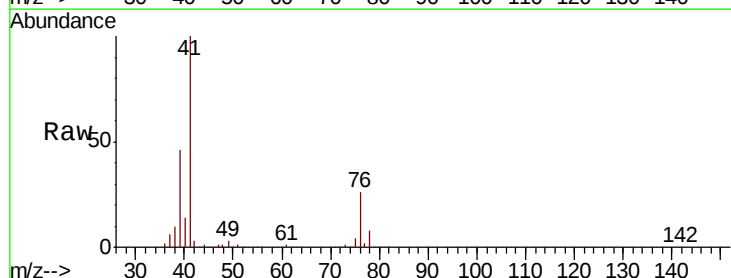
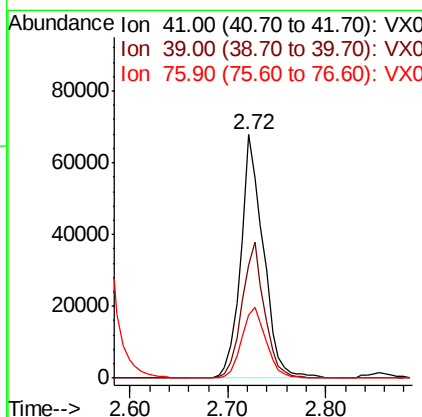
Manual Integrations
APPROVED

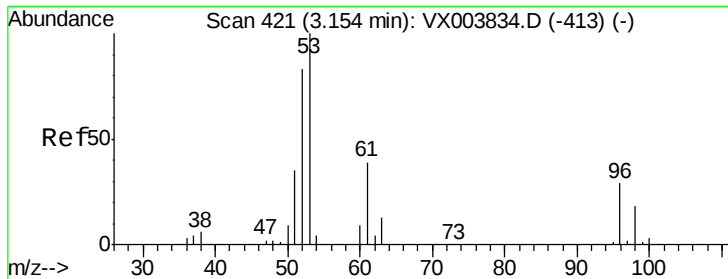
MMDadoda
8/6/2018 1:36:01 PM



#14
Allyl chloride
Concen: 50.74 ug/l
RT: 2.72 min Scan# 350
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	41	39	76	Ratio	100	55.5	31.7	Resp	108535	Lower	46.1	26.8	Upper	69.1	40.2
Ion	41	39	76	Ratio	100	55.5	31.7	Resp	108535	Lower	46.1	26.8	Upper	69.1	40.2





#15

Acrylonitrile

Concen: 232.06 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

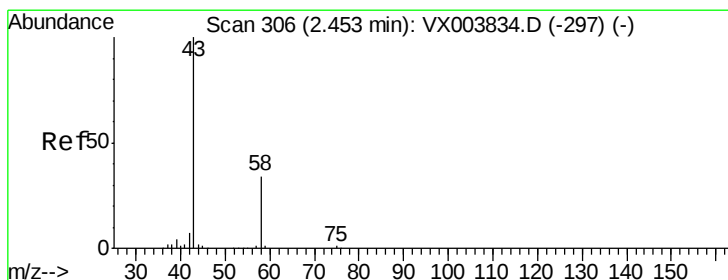
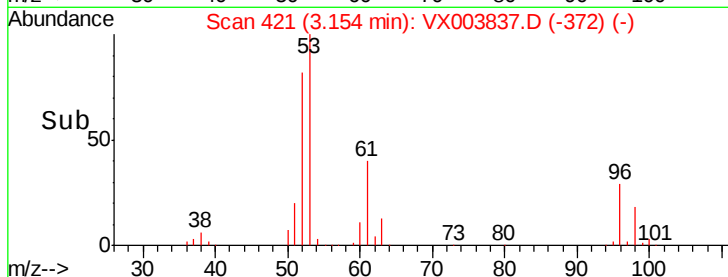
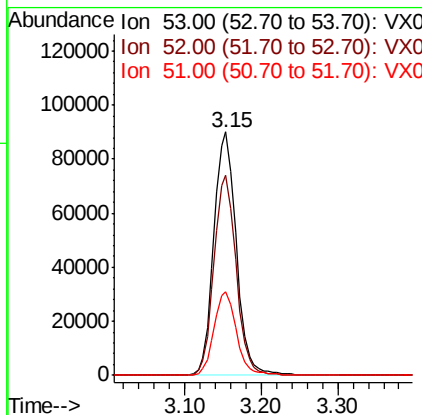
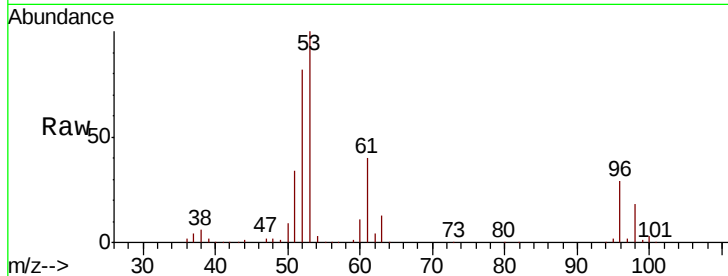
ClientSampleId :

ICVVX080318

Tot Ion:	53	Resp:	182867
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.9	98.9
51	34.8	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:36:01 PM



#16

Acetone

Concen: 221.37 ug/l

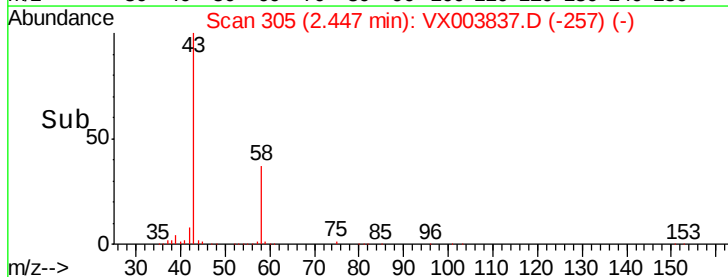
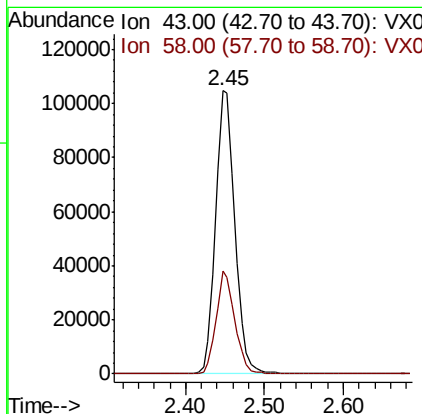
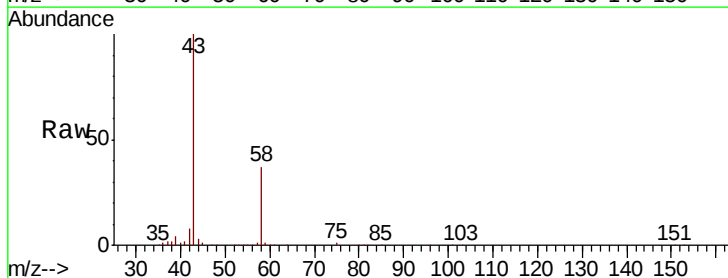
RT: 2.45 min Scan# 305

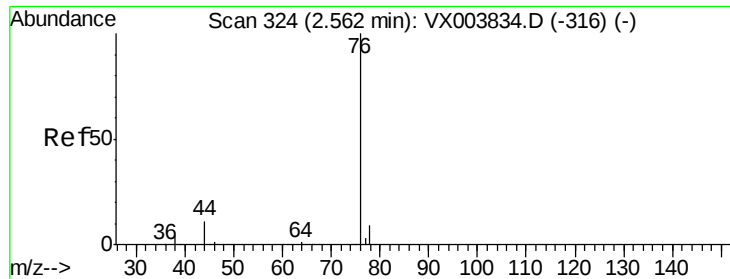
Delta R.T. -0.01 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Tgt Ion:	43	Resp:	178095
Ion	Ratio	Lower	Upper
43	100		
58	36.6	27.0	40.4





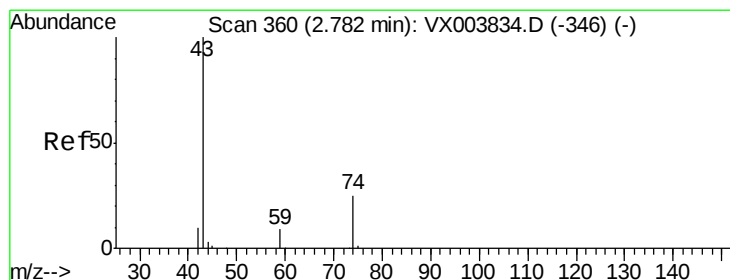
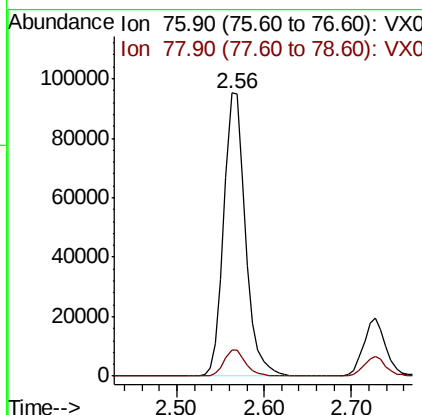
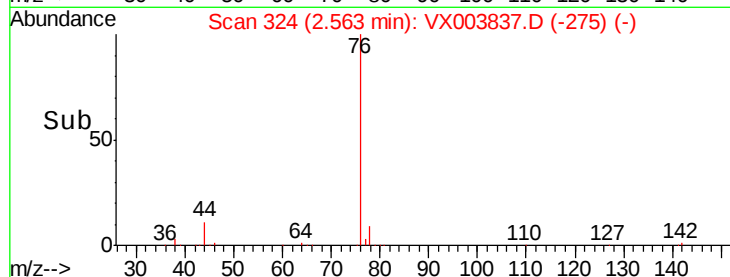
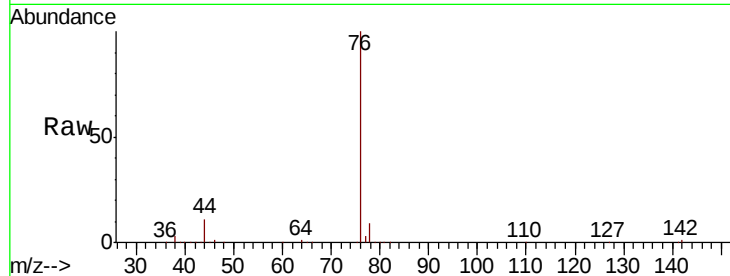
#17
Carbon Disulfide
Concen: 50.78 ug/l
RT: 2.56 min Scan# 324
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

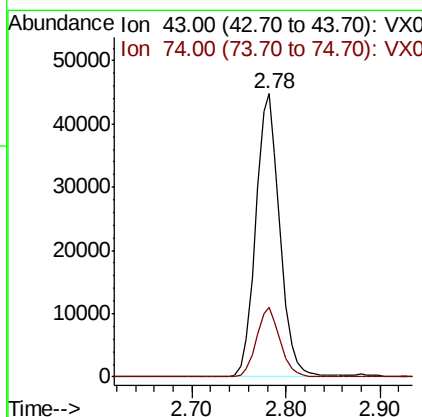
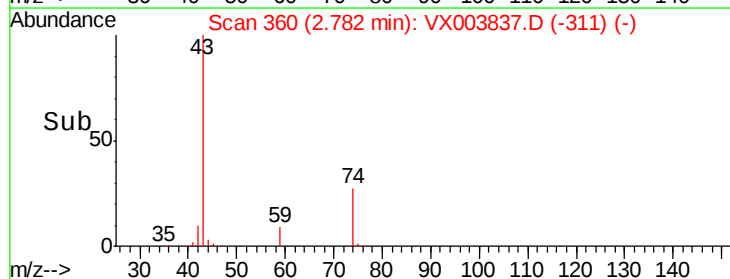
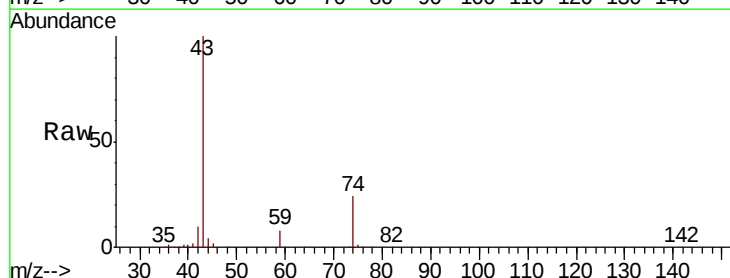
Manual Integrations
APPROVED

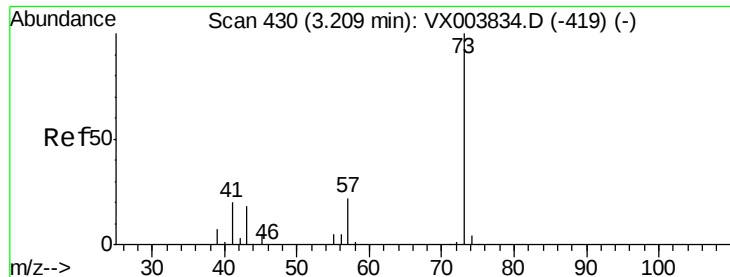
MMDadoda
8/6/2018 1:36:01 PM



#18
Methyl Acetate
Concen: 48.24 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8





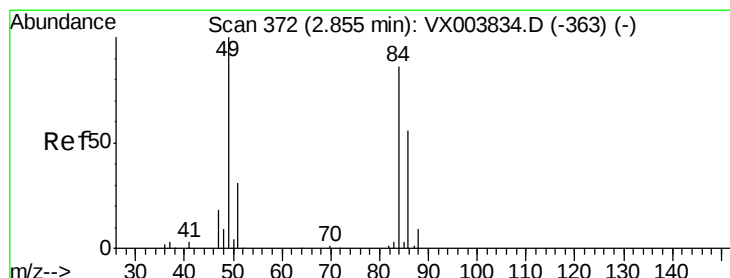
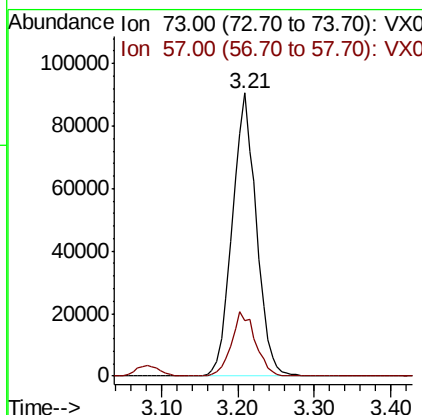
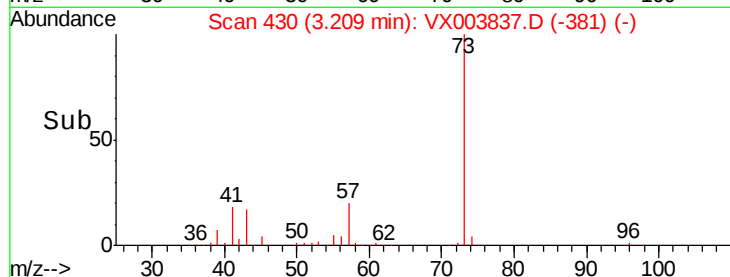
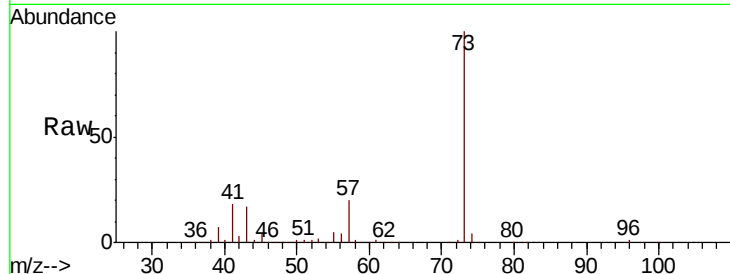
#19
Methyl tert-butyl Ether
Concen: 48.66 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	17.5	26.3

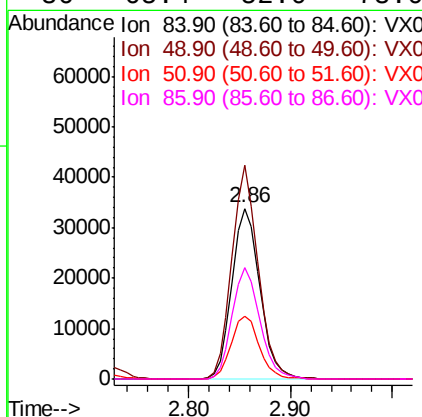
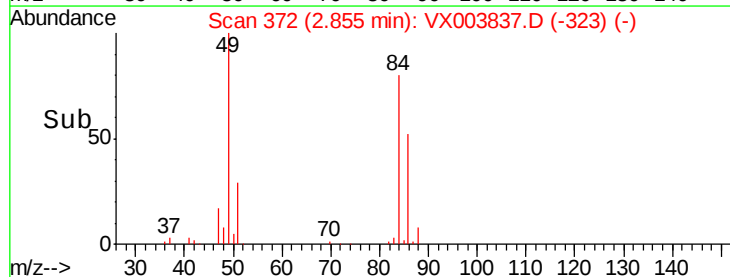
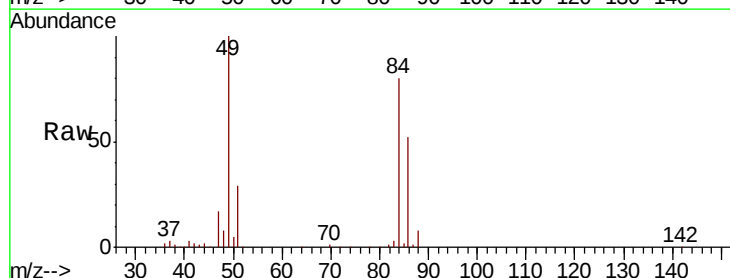
Manual Integrations
APPROVED

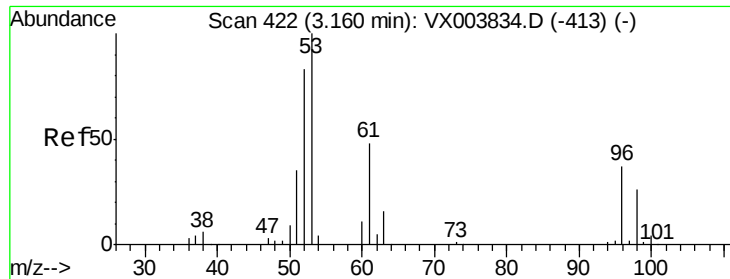
MMDadoda
8/6/2018 1:36:01 PM



#20
Methylene Chloride
Concen: 45.42 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	93.2	139.8
51	36.7	29.2	43.8
86	65.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 48.04 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

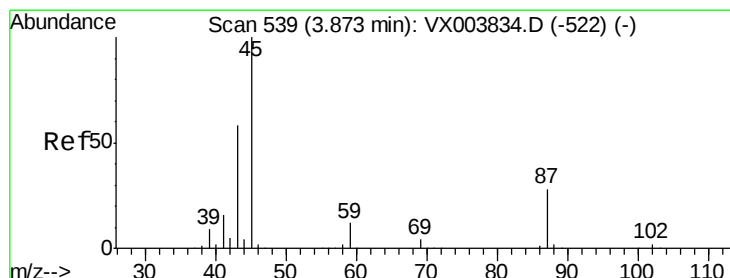
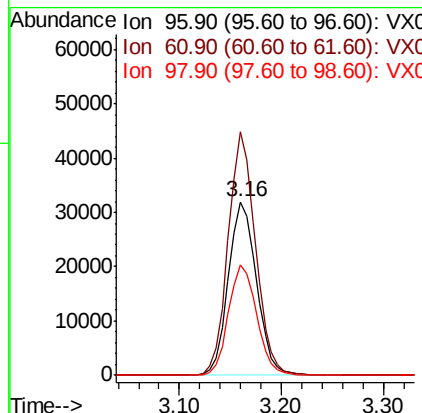
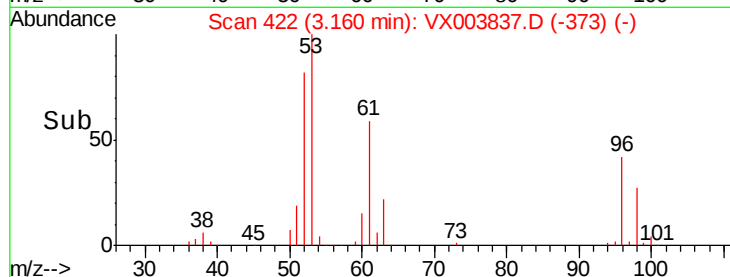
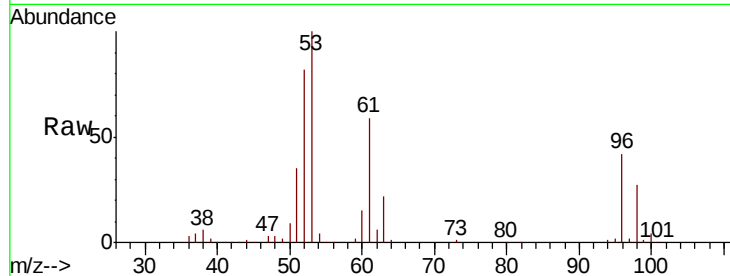
ClientSampleId :

ICVVX080318

Tot Ion:	96	Resp:	61272
Ion	Ratio	Lower	Upper
96	100		
61	140.4	104.2	156.4
98	63.4	57.0	85.6

Manual Integrations
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8/6/2018 1:36:01 PM



#22

Diisopropyl ether

Concen: 48.09 ug/l

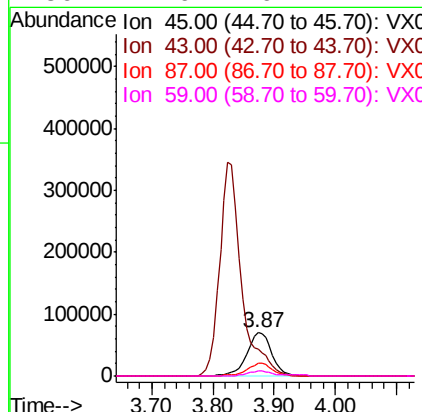
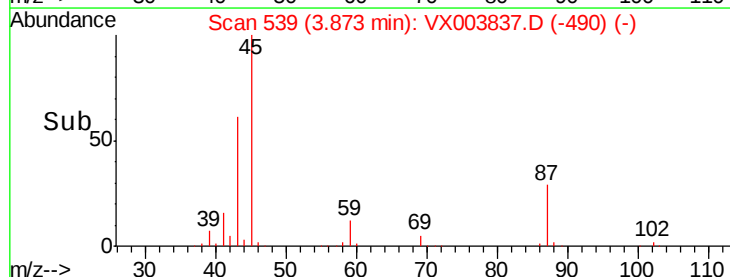
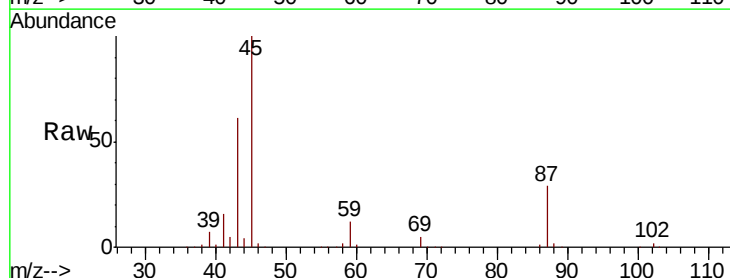
RT: 3.87 min Scan# 539

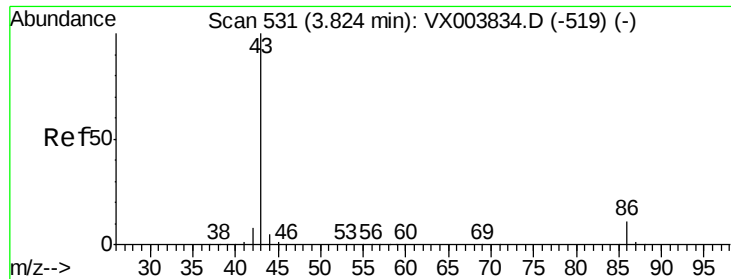
Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Tgt Ion:	45	Resp:	199371
Ion	Ratio	Lower	Upper
45	100		
43	60.5	46.4	69.6
87	29.0	22.4	33.6
59	11.6	9.4	14.2





#23

Vinyl Acetate

Concen: 251.59 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080318

Tot Ion: 43 Resp: 866688

Ion Ratio Lower Upper

43 100

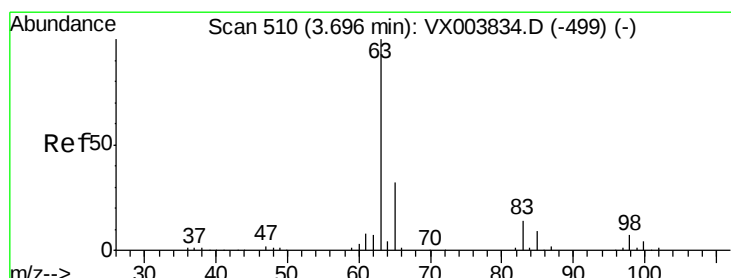
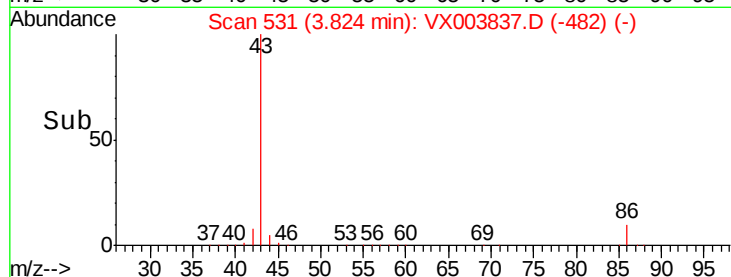
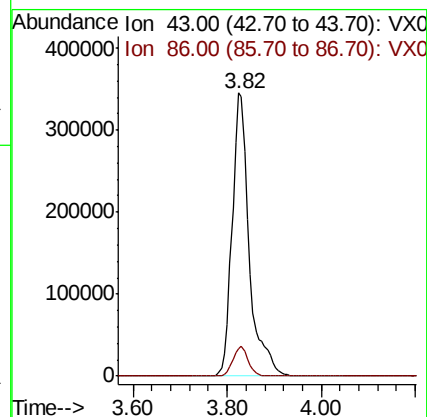
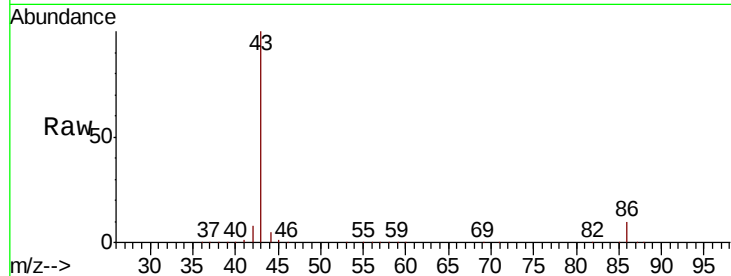
86 9.8 8.8 13.2

Manual Integrations

APPROVED

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8/6/2018 1:36:01 PM



#24

1,1-Dichloroethane

Concen: 48.25 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

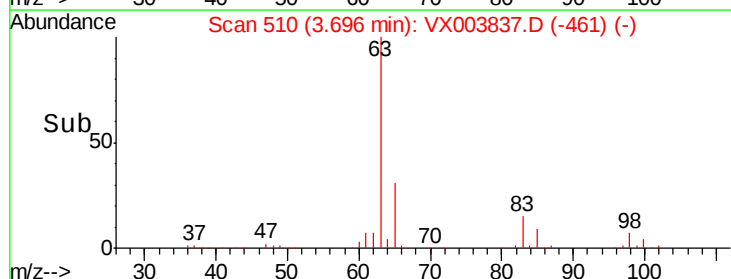
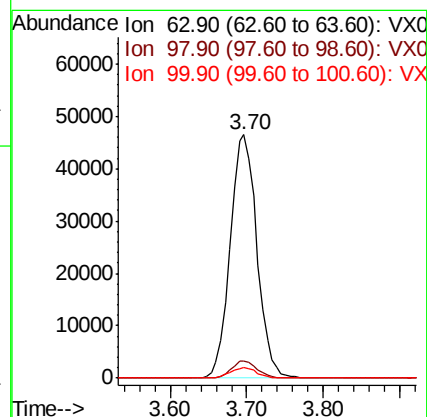
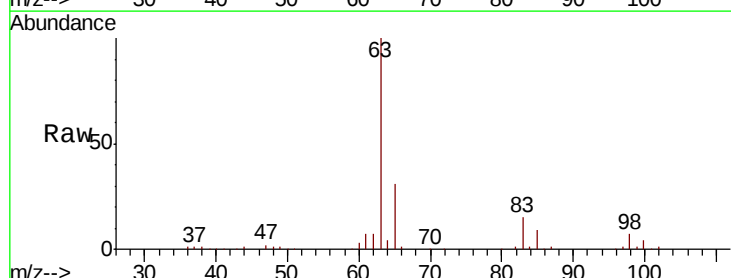
Tgt Ion: 63 Resp: 111805

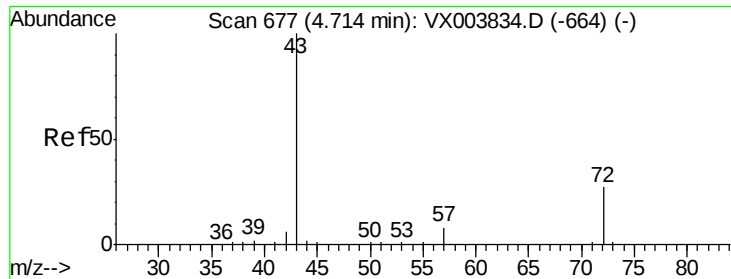
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 231.80 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080318

Tot Ion: 43 Resp: 316863

Ion Ratio Lower Upper

43 100

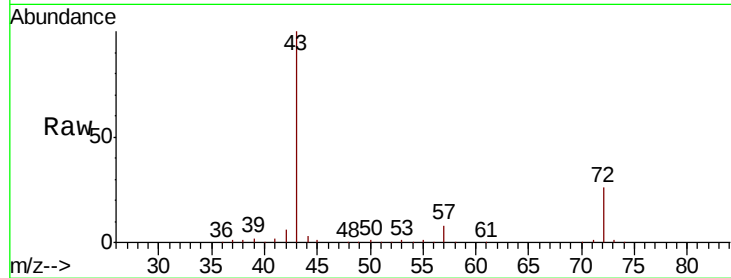
72 26.4 21.5 32.3

Manual Integrations

APPROVED

MMDadoda

8/6/2018 1:36:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

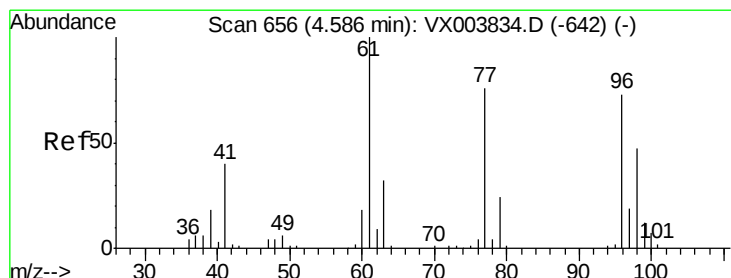
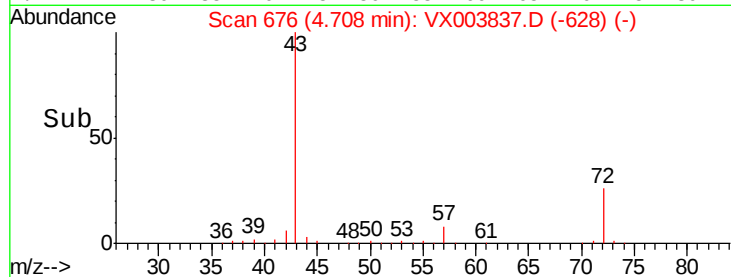
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 44.60 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003837.D

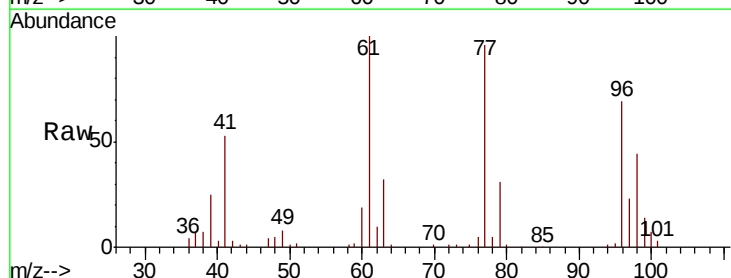
Acq: 02 Aug 2018 21:36

Tgt Ion: 77 Resp: 69607

Ion Ratio Lower Upper

77 100

97 25.7 12.8 38.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

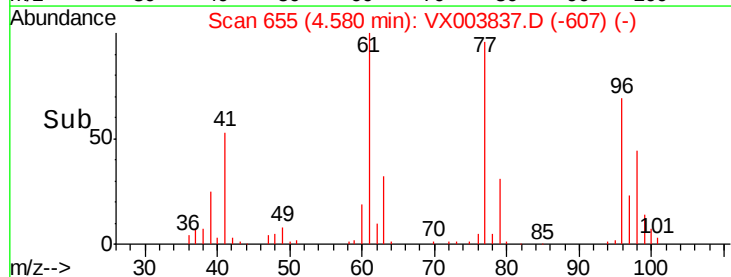
10000

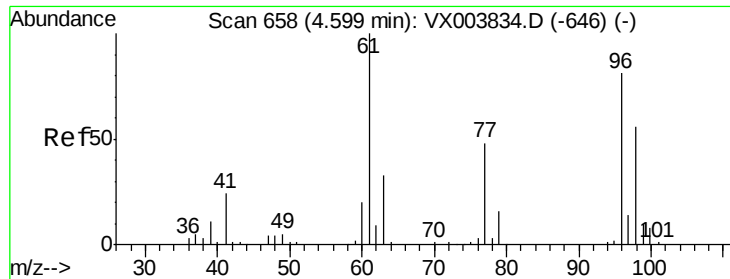
5000

0

4.50 4.60 4.70

Time-->





#27

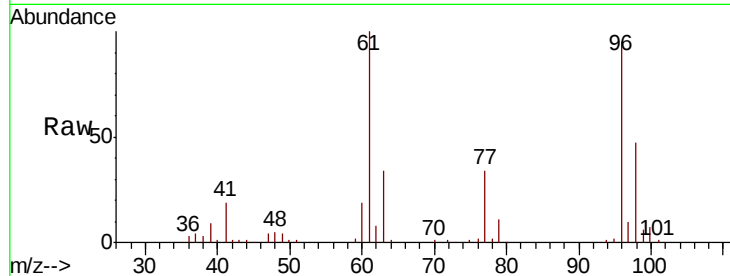
cis-1,2-Dichloroethene
 Concen: 50.43 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080318

Tot Ion	Ratio	Resp	Lower	Upper
96	100	73858		
61	137.9	0.0	283.6	
98	63.0	0.0	130.0	

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MMDadoda
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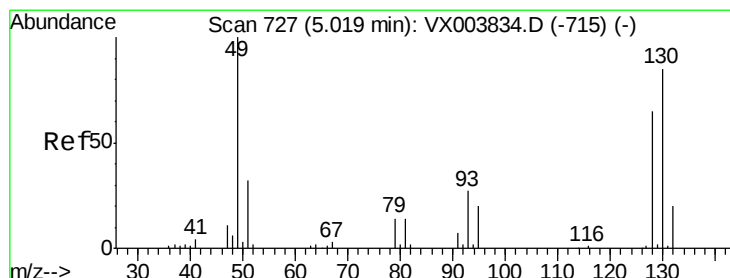
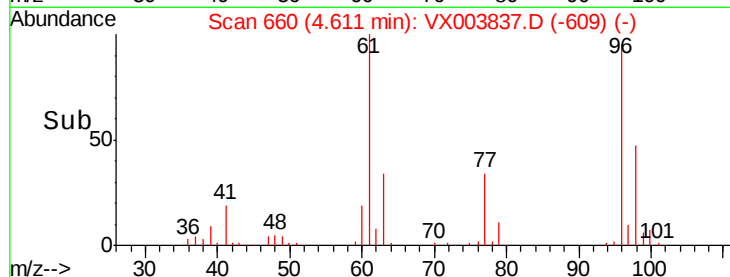
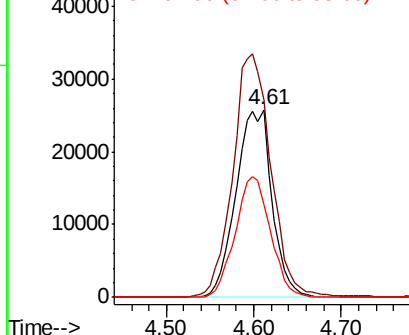


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

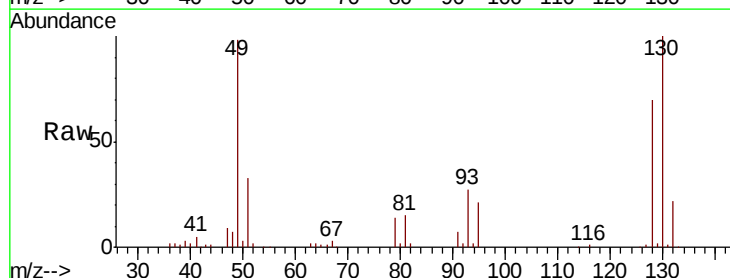
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 48.77 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	53898		
129	2.1	0.0	4.2	
130	89.3	68.9	103.3	

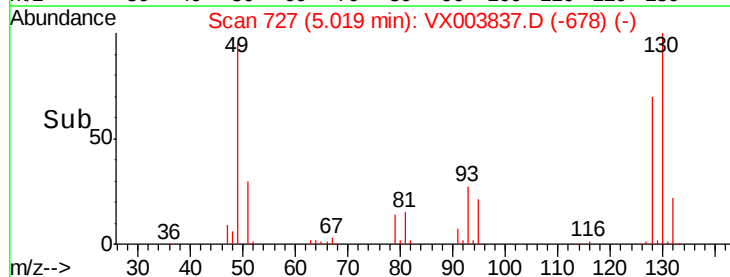
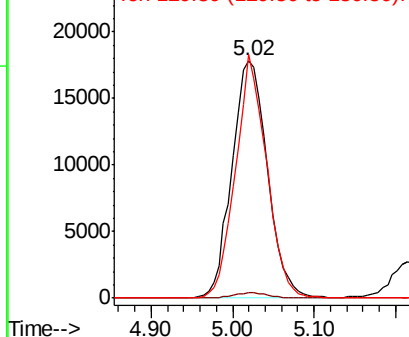


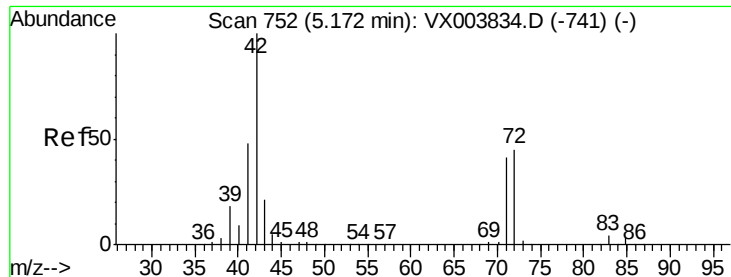
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





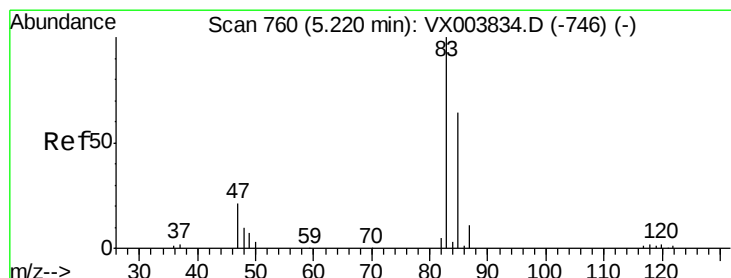
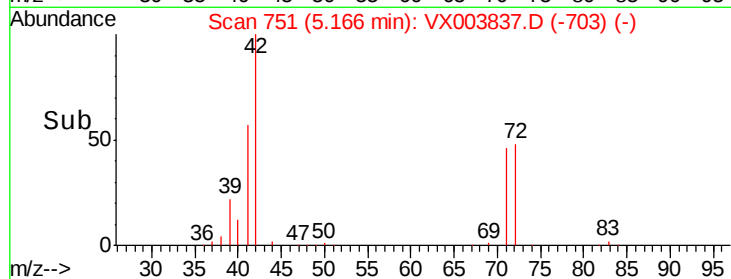
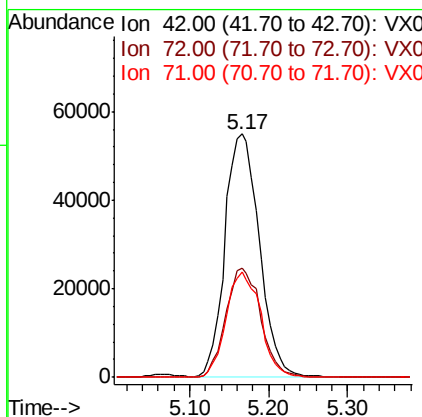
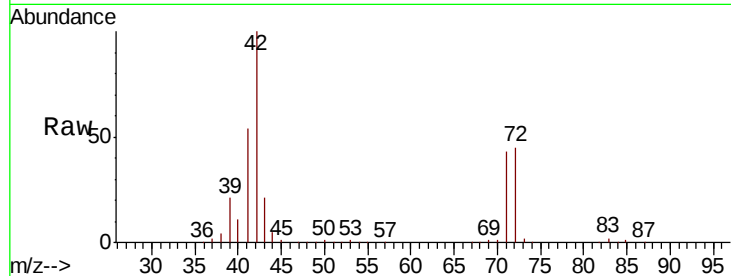
#29
Tetrahydrofuran
Concen: 238.34 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.1	54.1
71	43.6	33.6	50.4

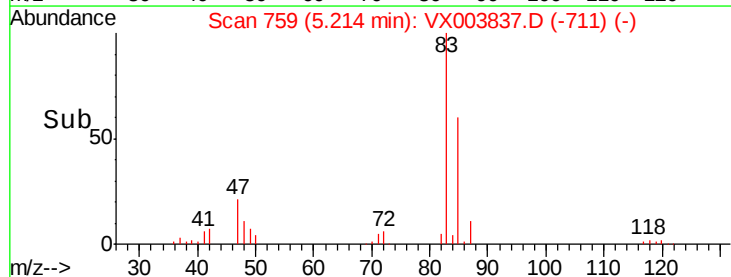
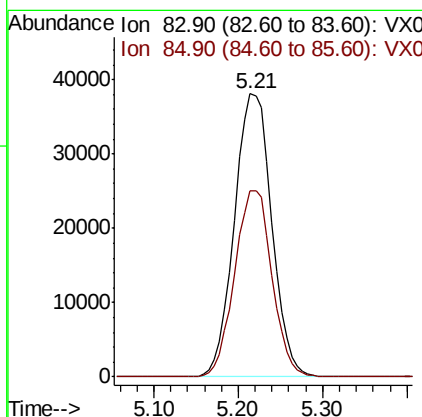
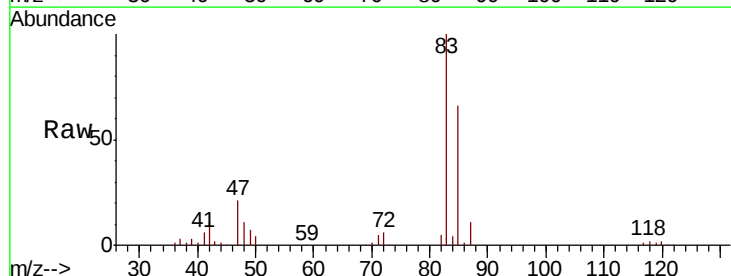
Manual Integrations
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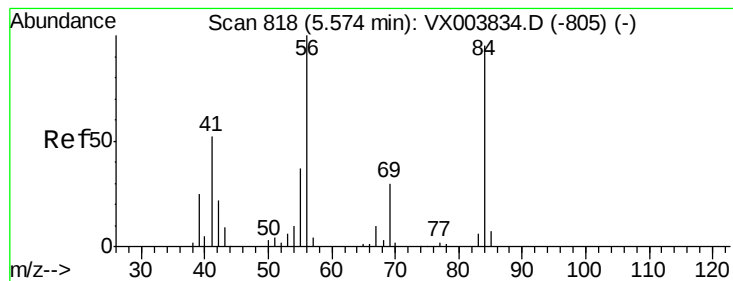
MMDadoda
8/6/2018 1:36:01 PM



#30
Chloroform
Concen: 47.23 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3





#31

Cyclohexane

Concen: 54.03 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

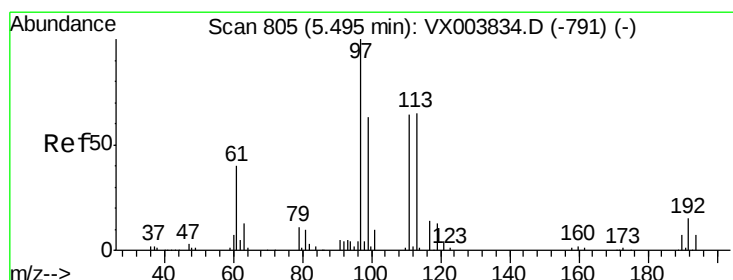
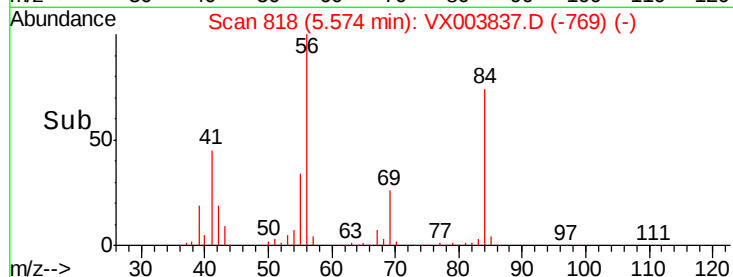
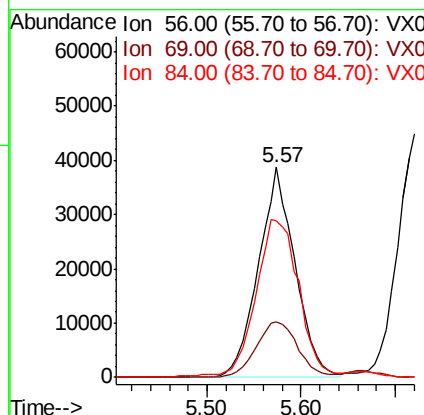
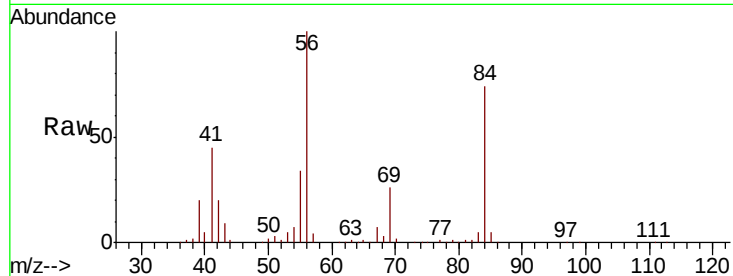
ClientSampleId :

ICVVX080318

Tot Ion:	56	Resp:	104994
Ion	Ratio	Lower	Upper
56	100		
69	26.2	23.7	35.5
84	73.5	75.7	113.5#

Manual Integrations
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8/6/2018 1:36:01 PM



#32

1,1,1-Trichloroethane

Concen: 50.01 ug/l

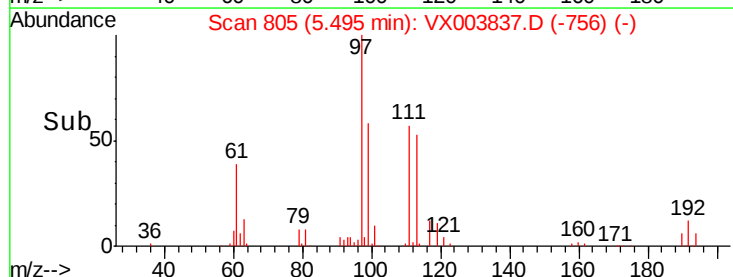
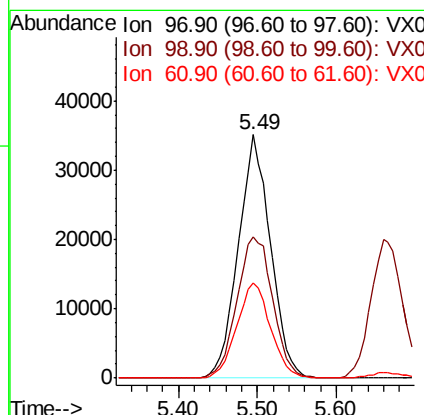
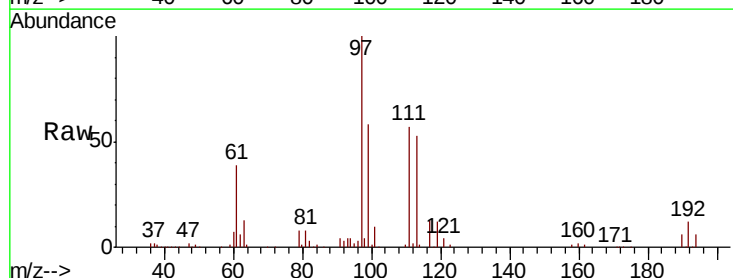
RT: 5.49 min Scan# 805

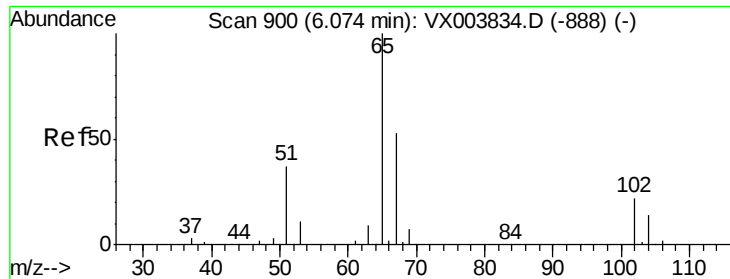
Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Tgt Ion:	97	Resp:	99550
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.6
61	41.1	33.3	49.9





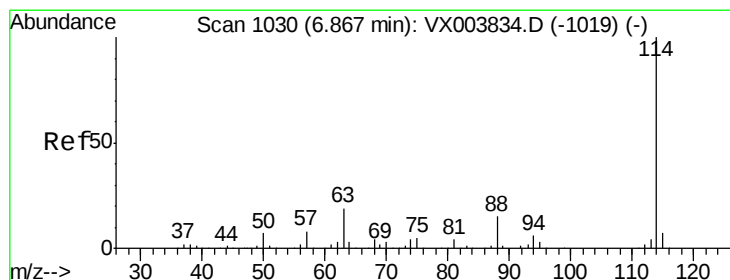
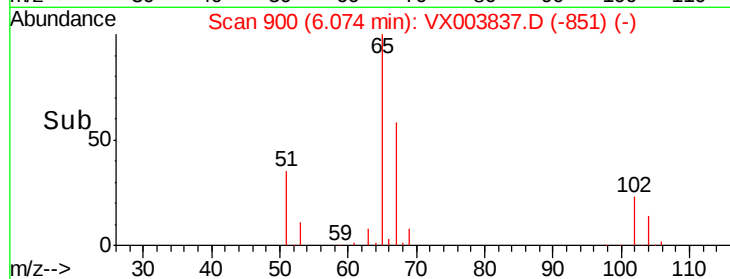
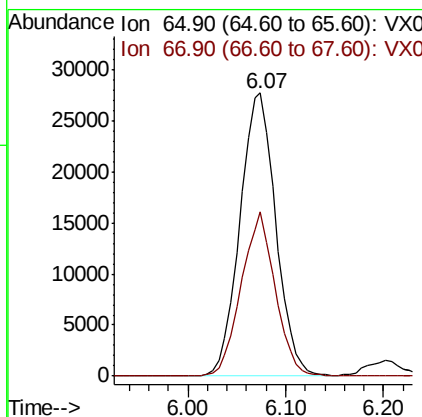
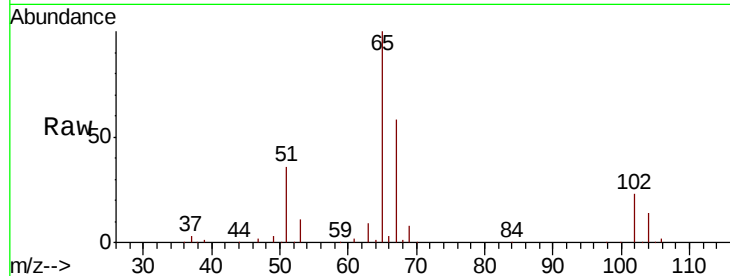
#33
 1,2-Dichloroethane-d4
 Concen: 46.15 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080318

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	107.2

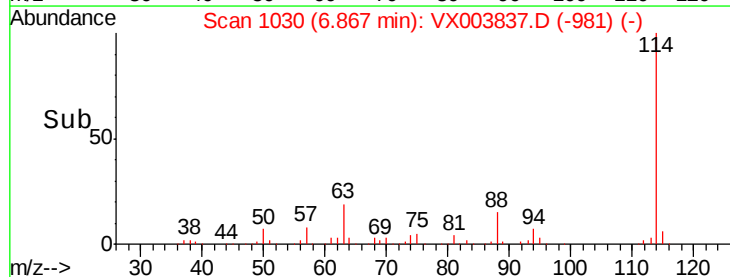
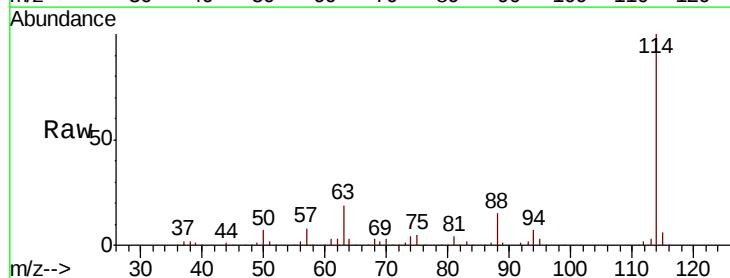
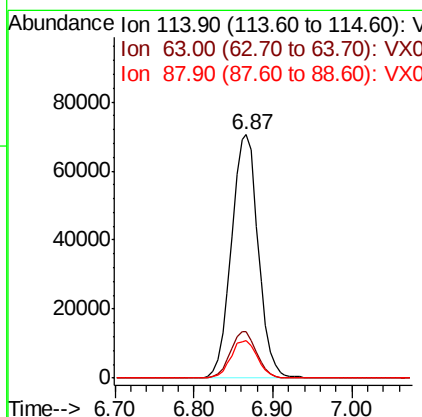
Manual Integrations
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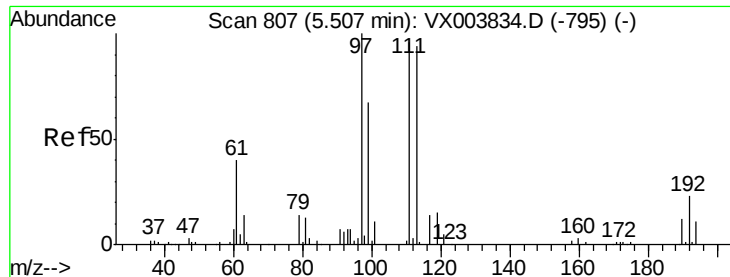
MMDadoda
 8/6/2018 1:36:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.2
88	15.4	0.0	29.6





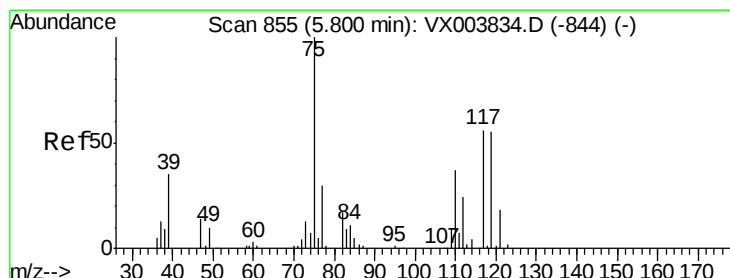
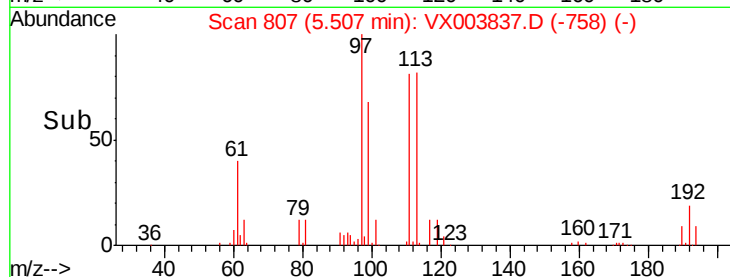
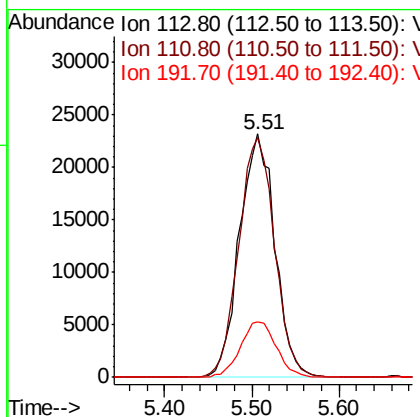
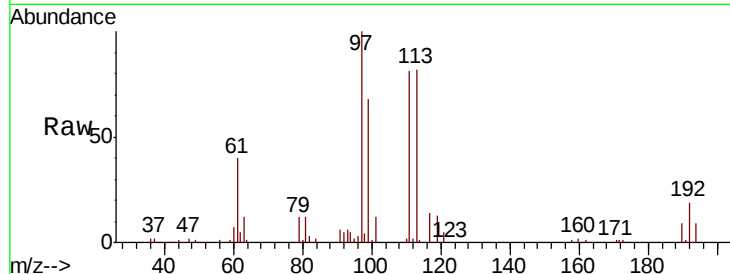
#35
 Dibromofluoromethane
 Concen: 49.91 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080318

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.5	81.1	121.7
192	23.1	19.7	29.5

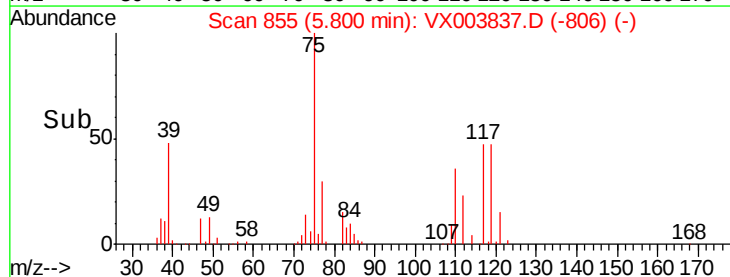
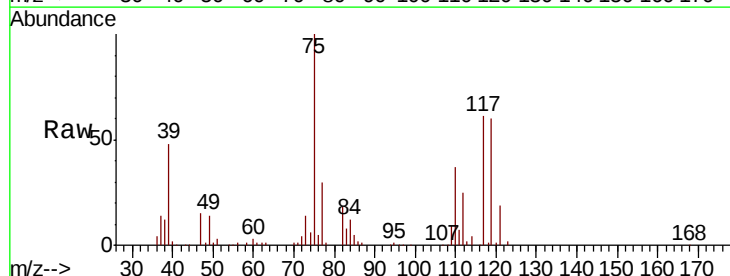
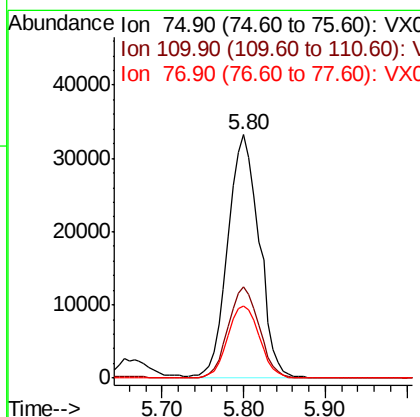
Manual Integrations
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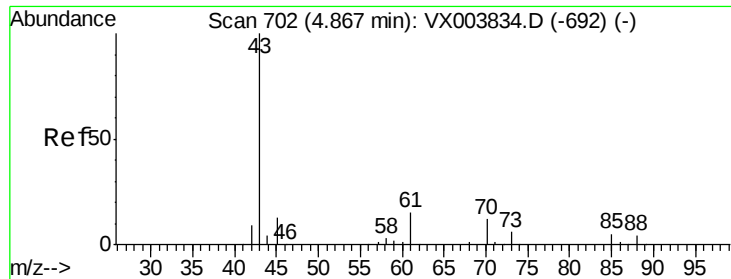
MMDadoda
 8/6/2018 1:36:01 PM



#36
 1,1-Dichloropropene
 Concen: 49.96 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.6	55.8
77	30.2	24.9	37.3





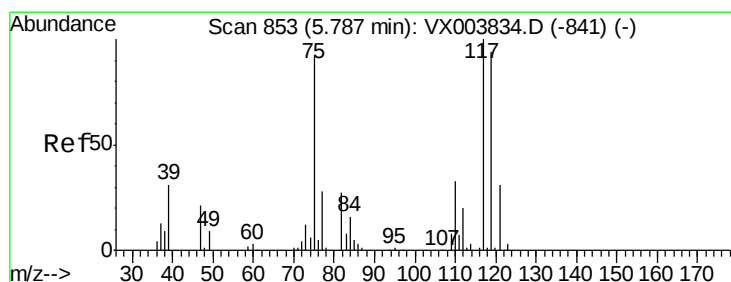
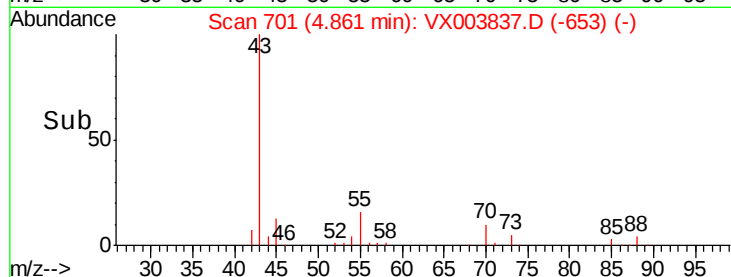
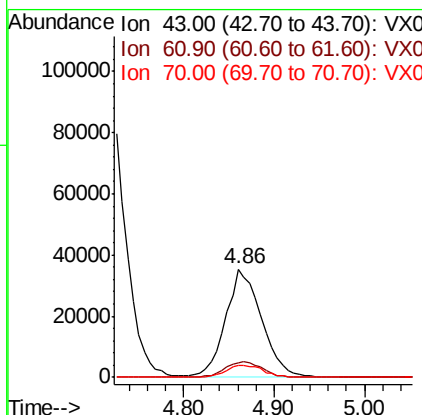
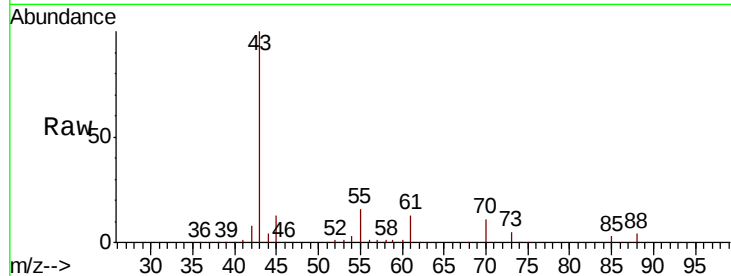
#37
Ethyl Acetate
Concen: 46.78 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampled :
ICVVX080318

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.4	18.6
70	11.6	8.9	13.3

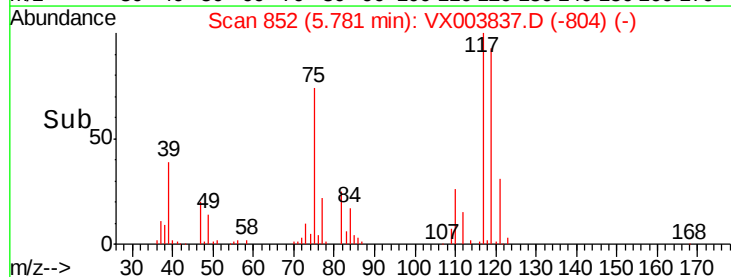
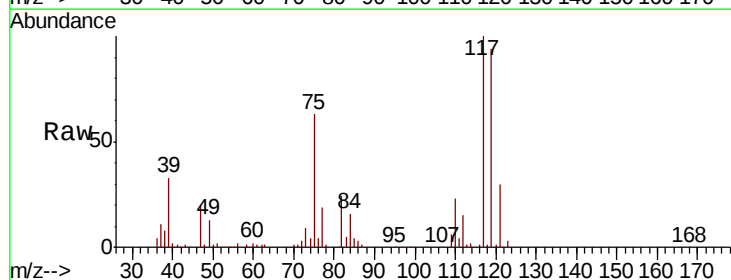
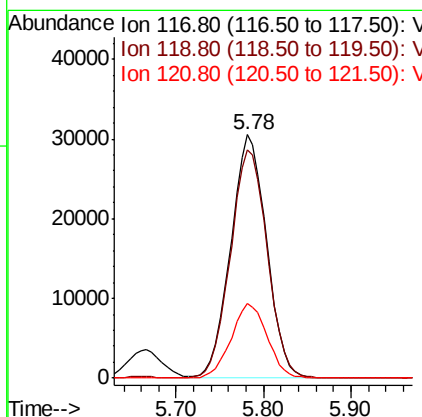
Manual Integrations
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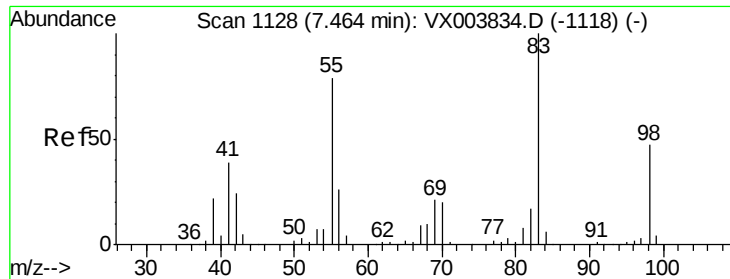
MMDadoda
8/6/2018 1:36:01 PM



#38
Carbon Tetrachloride
Concen: 49.54 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	74.6	112.0
121	30.5	24.4	36.6





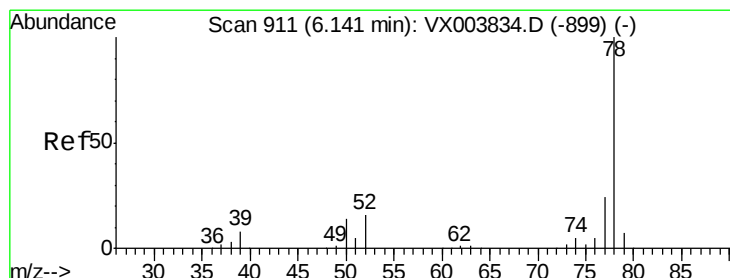
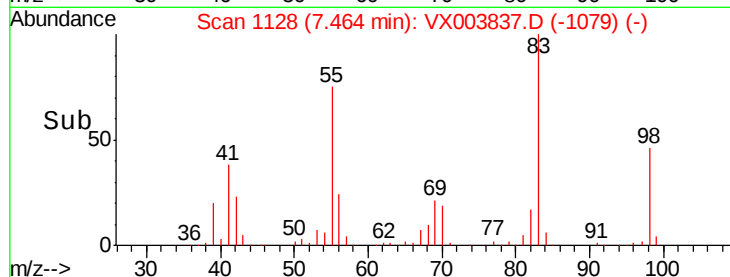
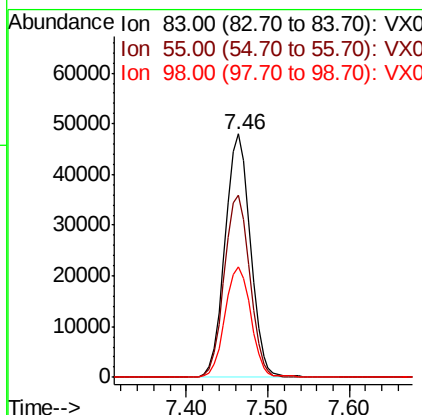
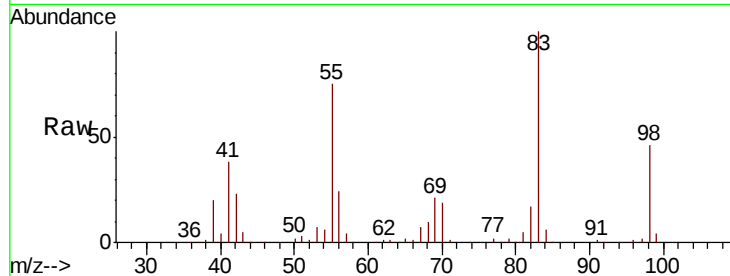
#39
Methvlcvclohexane
Concen: 52.80 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	63.1	94.7
98	45.5	37.5	56.3

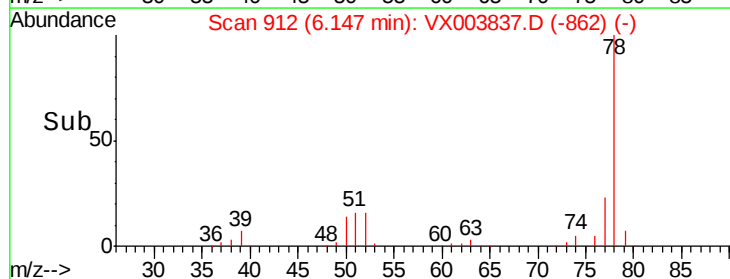
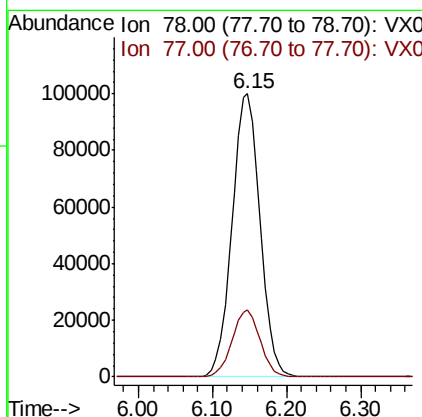
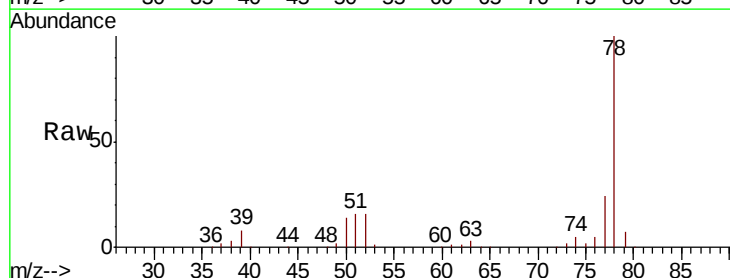
Manual Integrations
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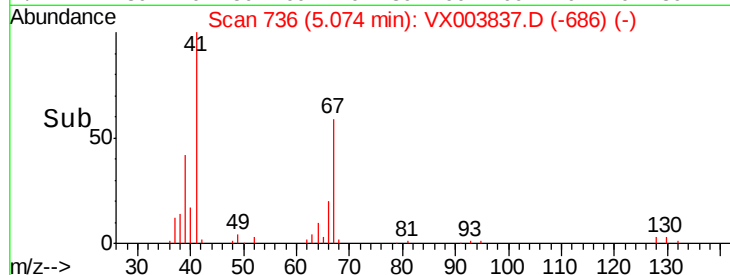
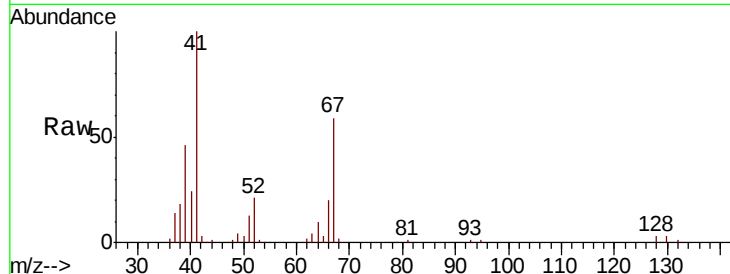
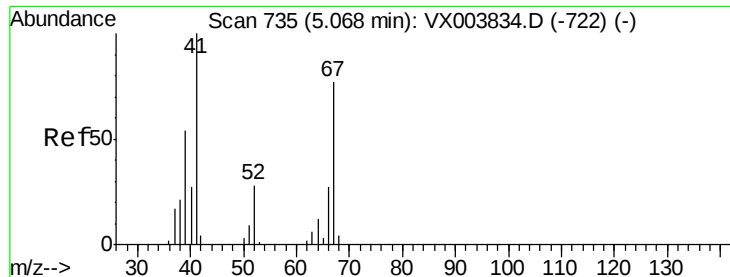
MMDadoda
8/6/2018 1:36:01 PM



#40
Benzene
Concen: 47.55 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





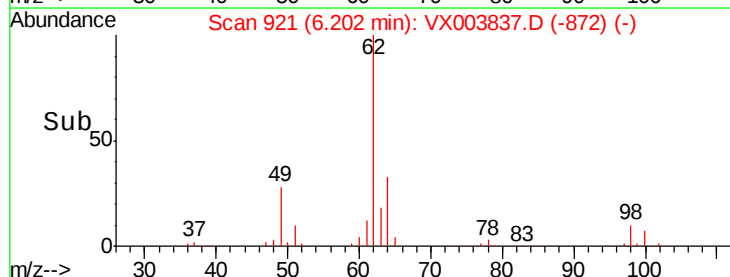
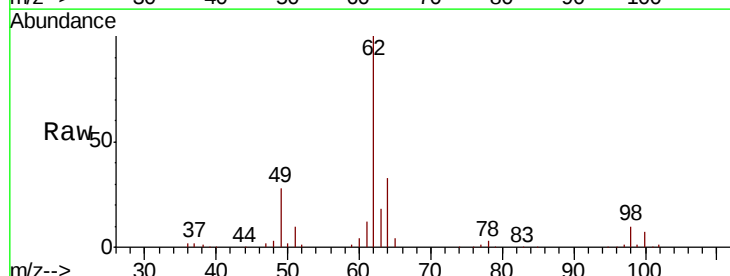
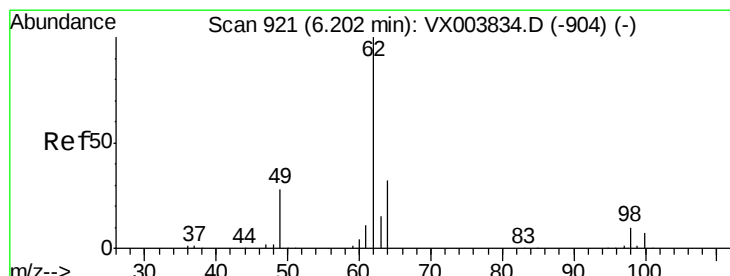
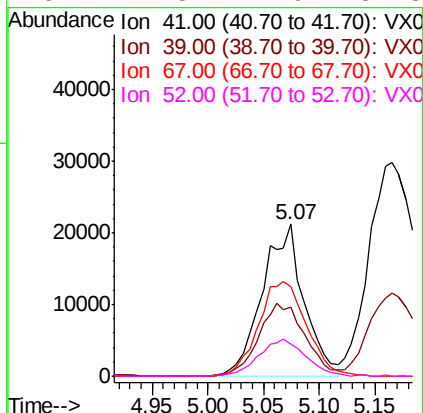
#41
Methacrylonitrile
Concen: 49.37 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		55357		
39	53.2	42.5	63.7		
67	71.8	58.8	88.2		
52	27.8	22.9	34.3		

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

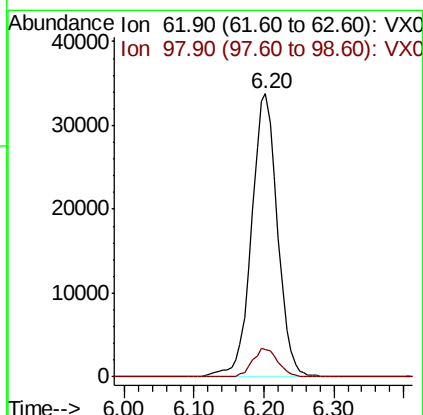
Manual Integrations
APPROVED

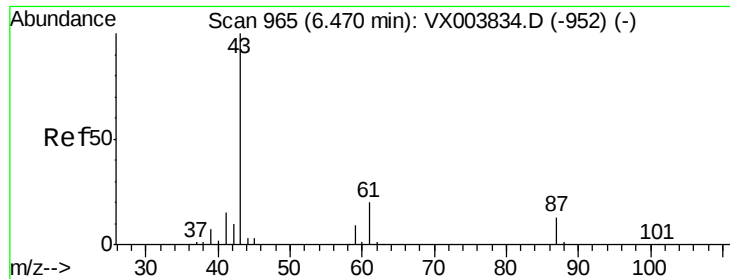
MMDadoda
8/6/2018 1:36:01 PM



#42
1,2-Dichloroethane
Concen: 46.72 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		86862		
98	9.7	0.0	19.6		





#43

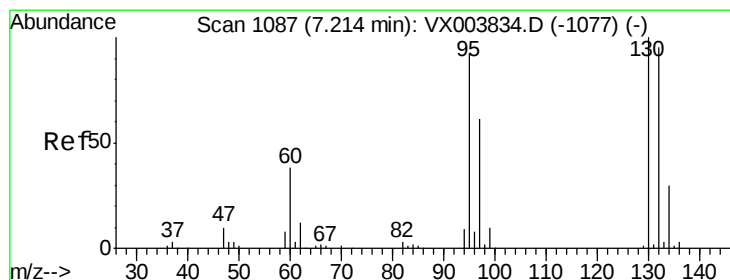
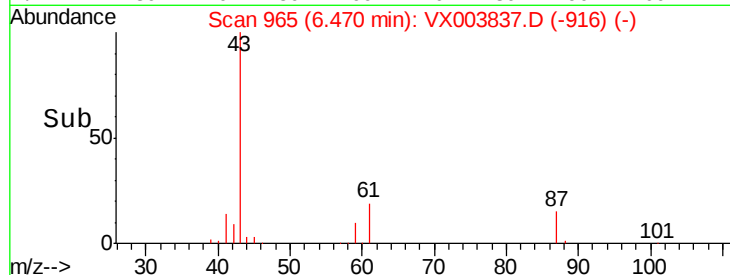
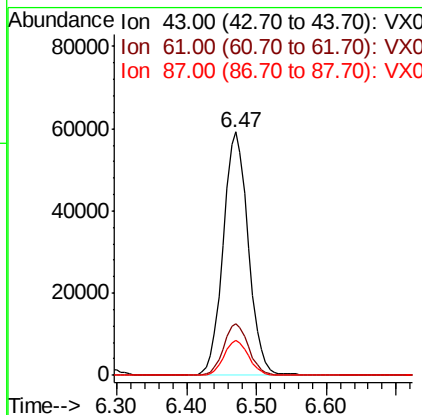
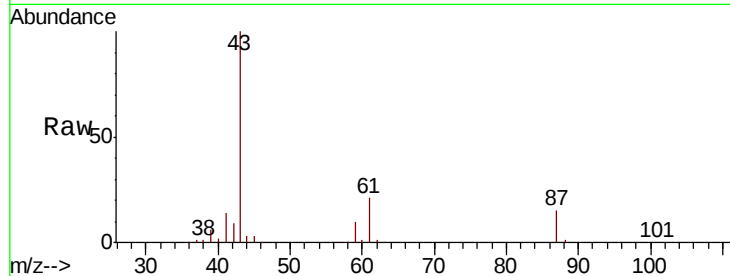
Isopropyl Acetate
 Concen: 47.55 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080318

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.7	25.1
87	14.0	10.8	16.2

Manual Integrations
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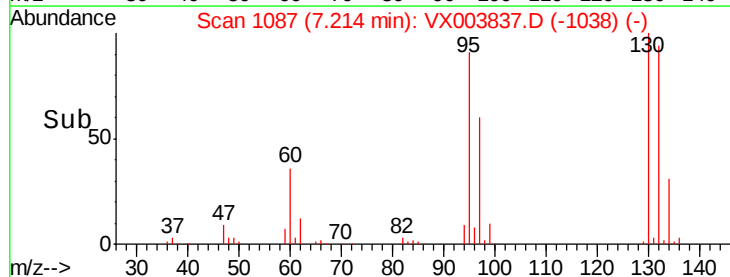
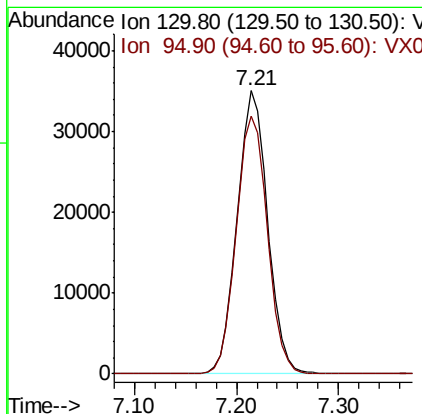
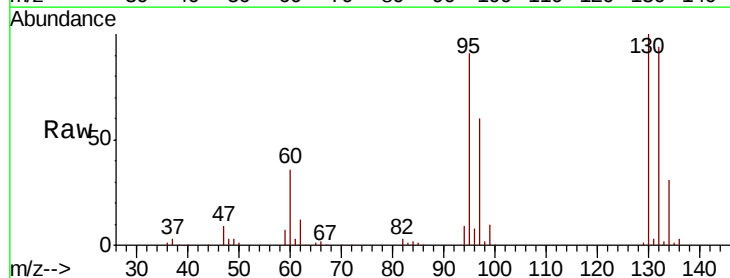
MMDadoda
 8/6/2018 1:36:01 PM

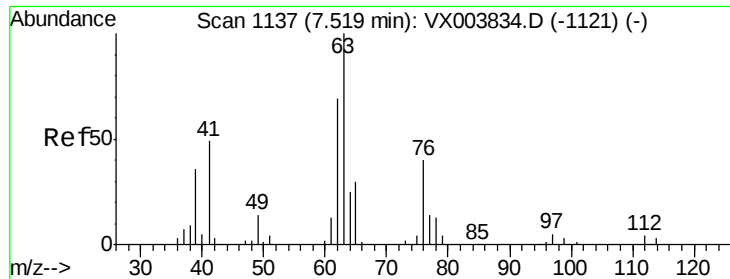


#44

Trichloroethene
 Concen: 48.89 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	184.8





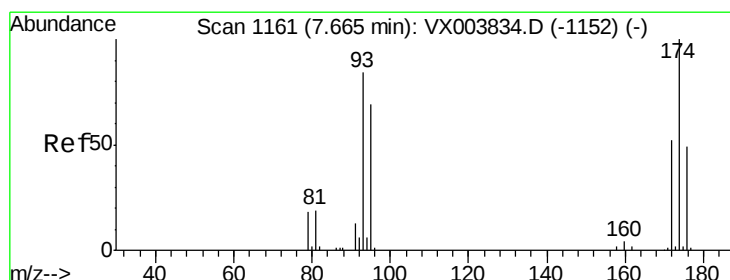
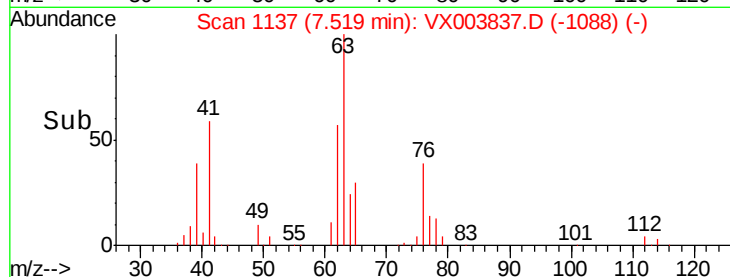
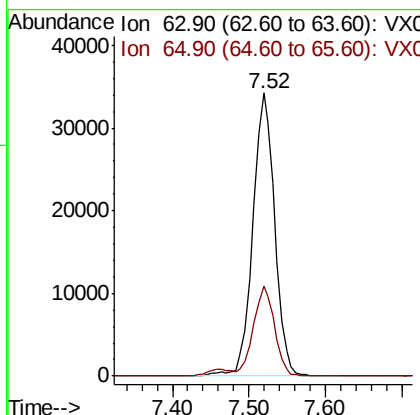
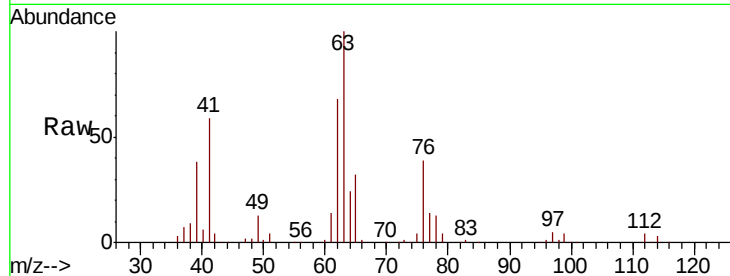
#45
 1,2-Dichloropropane
 Concen: 47.55 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080318

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.2	36.4

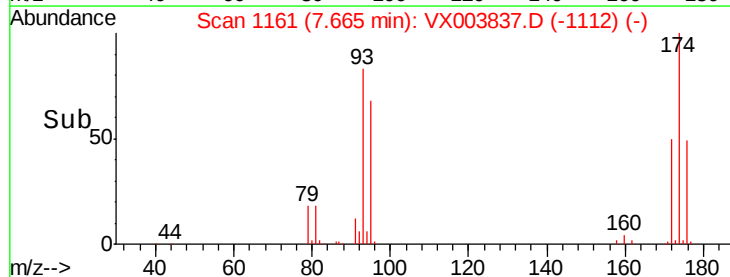
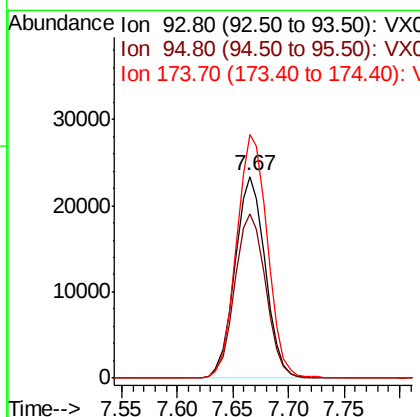
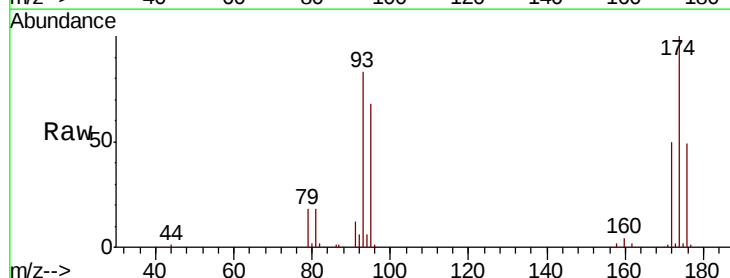
Manual Integrations
 APPROVED

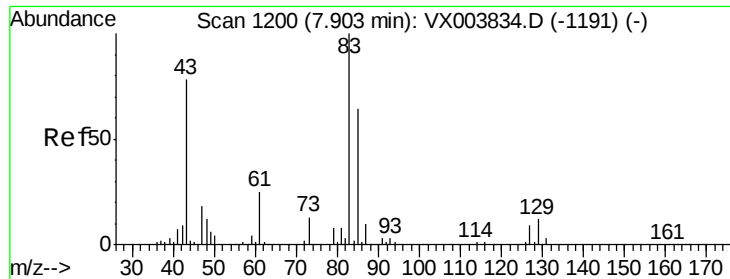
MMDadoda
 8/6/2018 1:36:01 PM



#46
 Dibromomethane
 Concen: 47.46 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	67.0	100.6
174	123.1	97.4	146.2





#47

Bromodichloromethane

Concen: 48.07 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

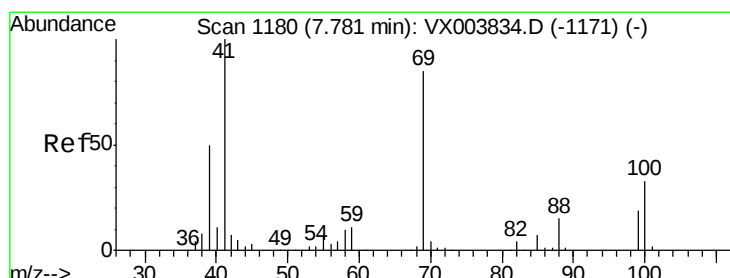
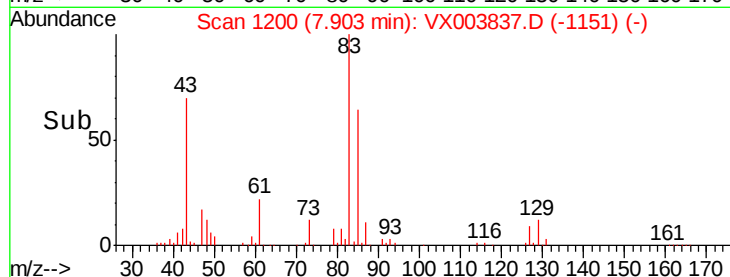
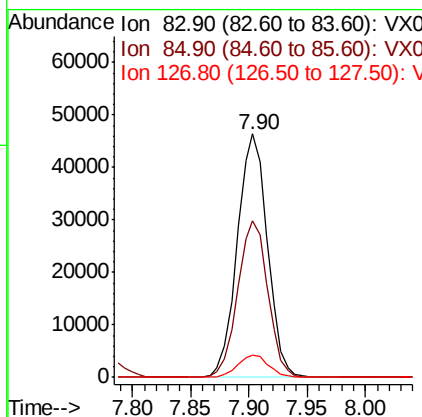
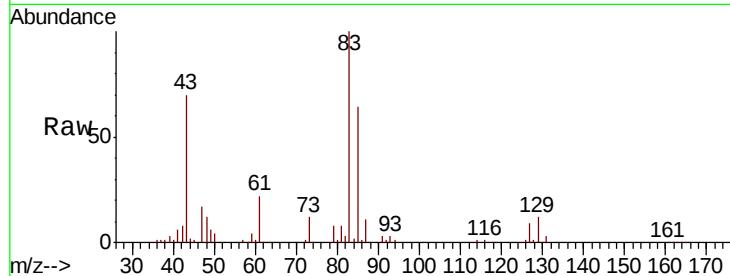
ClientSampleId :

ICVVX080318

Tot Ion:	83	Resp:	83697
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.2
127	9.4	7.0	10.6

Manual Integrations
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MMDadoda
8/6/2018 1:36:01 PM



#48

Methyl methacrylate

Concen: 48.86 ug/l

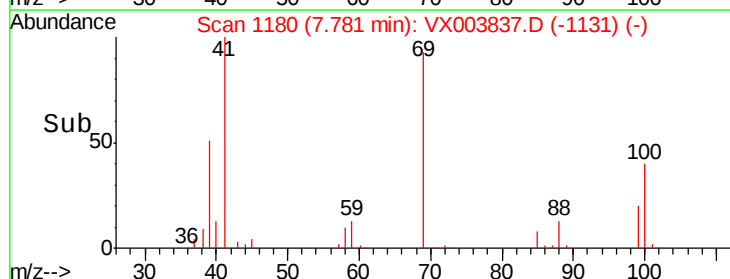
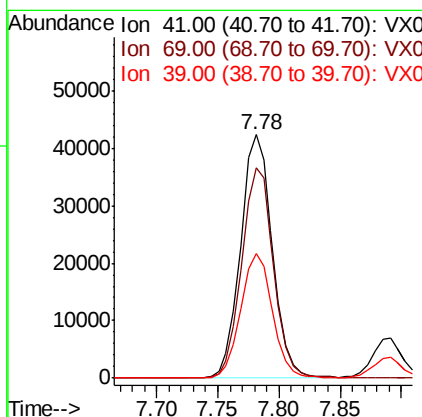
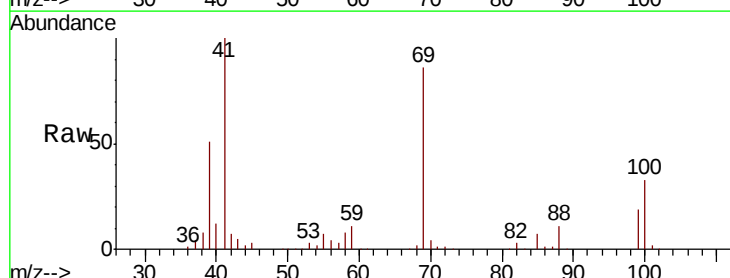
RT: 7.78 min Scan# 1180

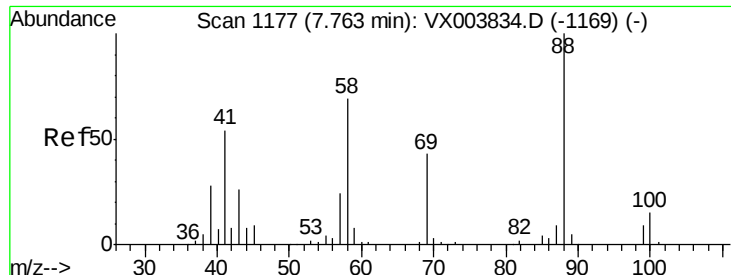
Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Tgt Ion:	41	Resp:	76627
Ion	Ratio	Lower	Upper
41	100		
69	86.3	70.2	105.4
39	51.2	40.9	61.3





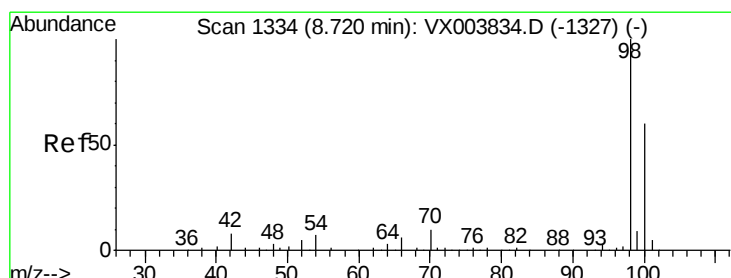
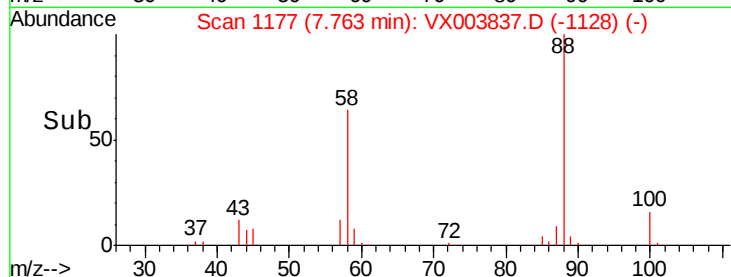
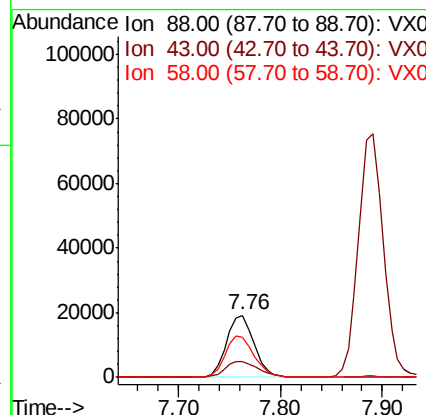
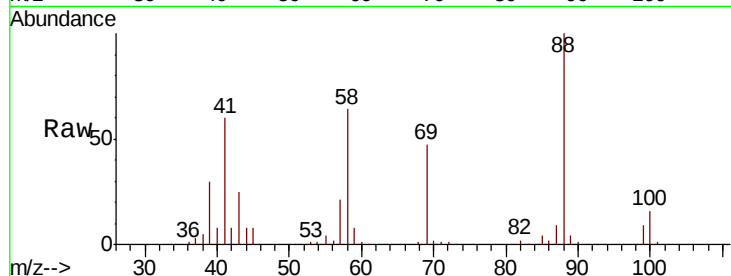
#49
1,4-Dioxane
Concen: 975.23 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.4	36.6
58	69.1	56.5	84.7

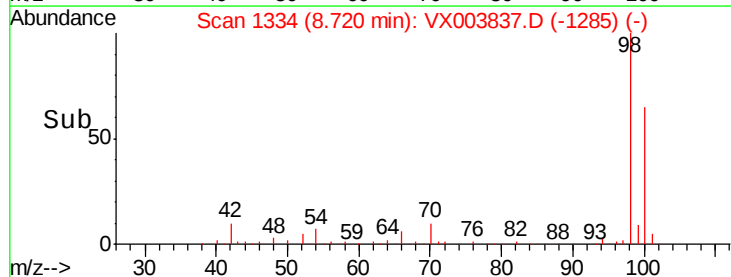
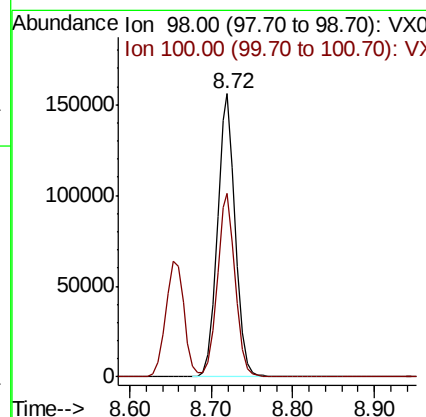
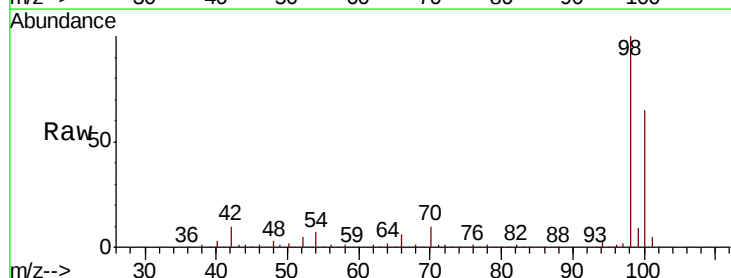
Manual Integrations
APPROVED

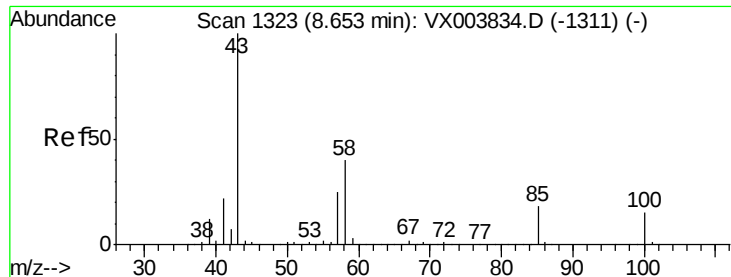
MMDadoda
8/6/2018 1:36:01 PM



#50
Toluene-d8
Concen: 47.91 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.2





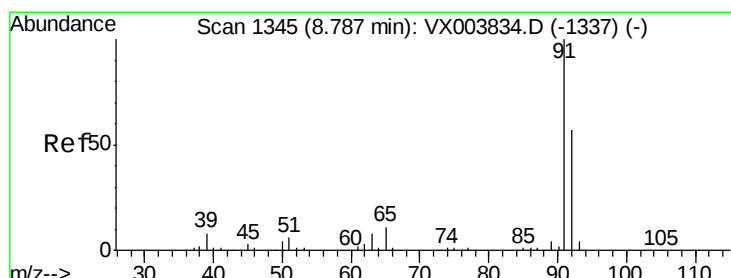
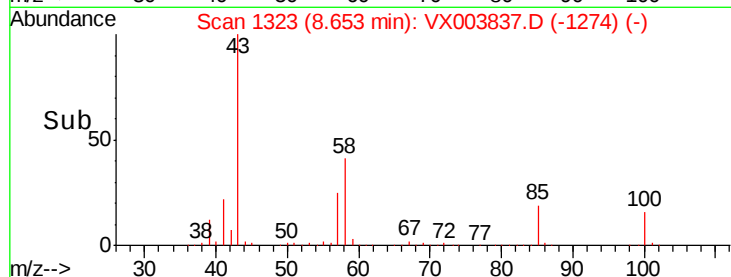
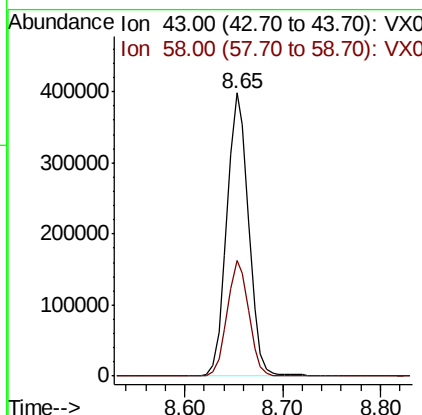
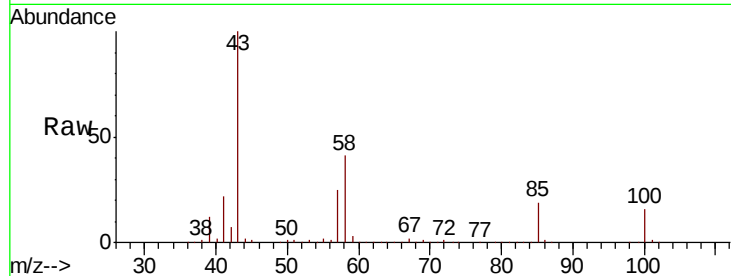
#51
4-Methyl-2-Pentanone
Concen: 236.90 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.3	32.2	48.2

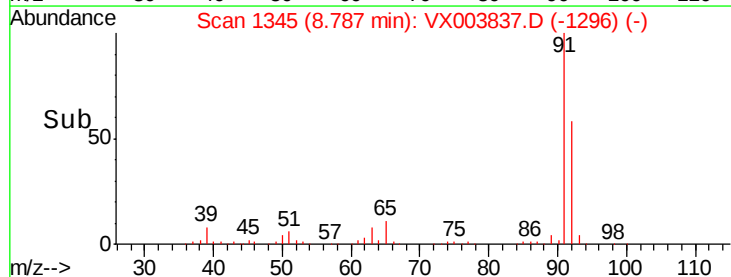
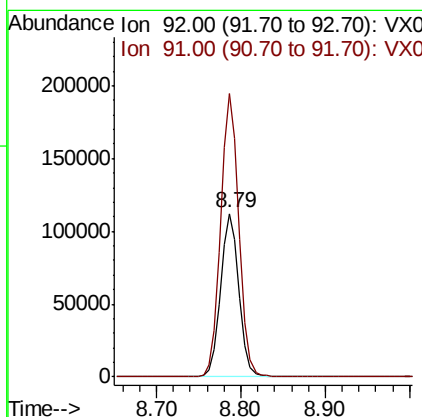
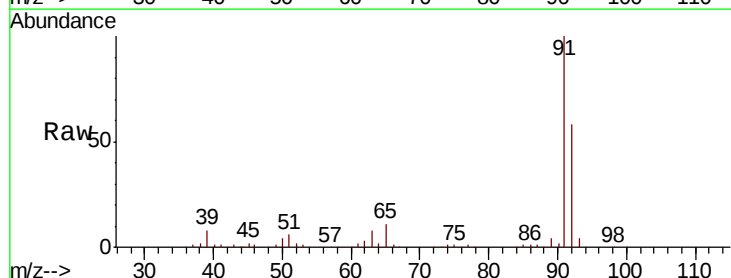
Manual Integrations
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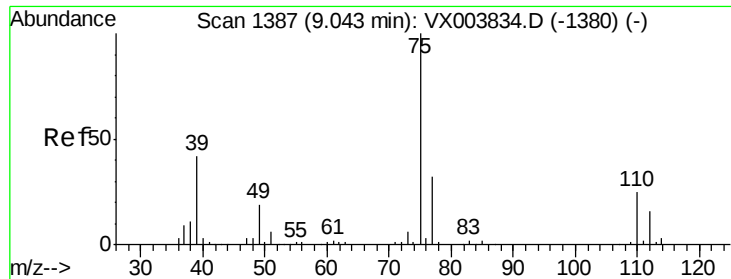
MMDadoda
8/6/2018 1:36:01 PM



#52
Toluene
Concen: 49.39 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	140.2	210.2





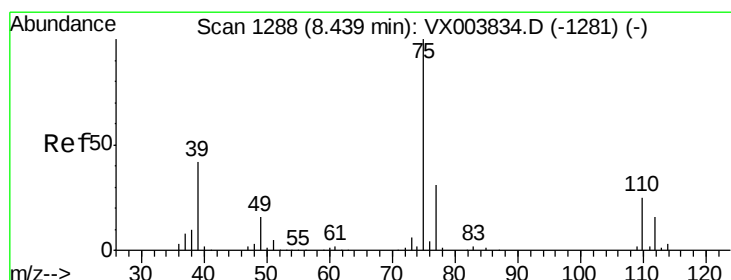
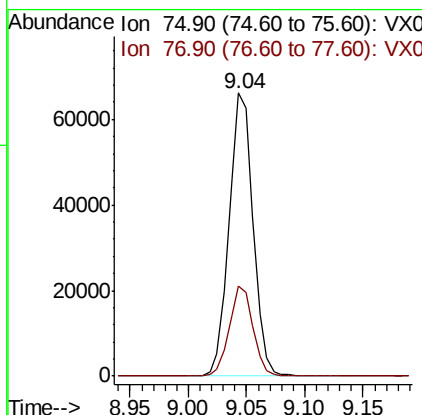
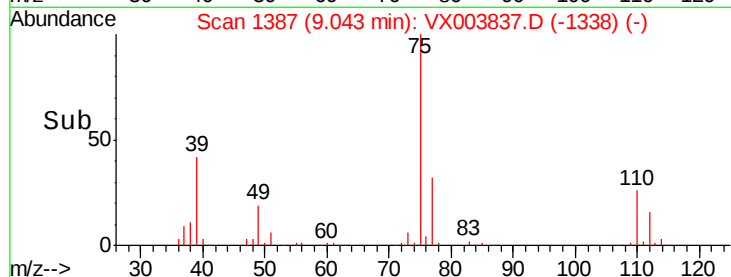
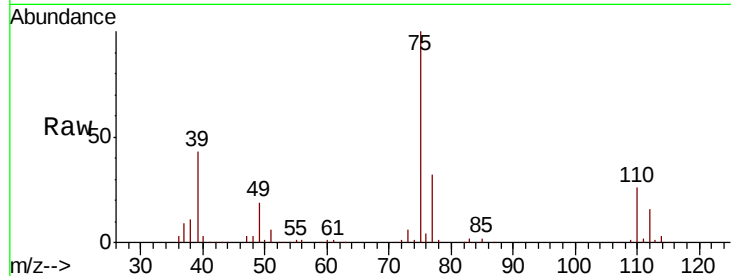
#53
t-1,3-Dichloropropene
Concen: 49.84 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion: 75 Resp: 94694
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9

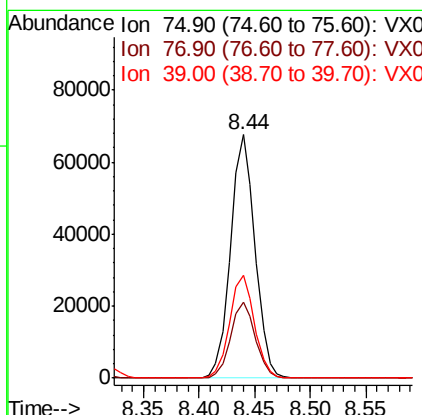
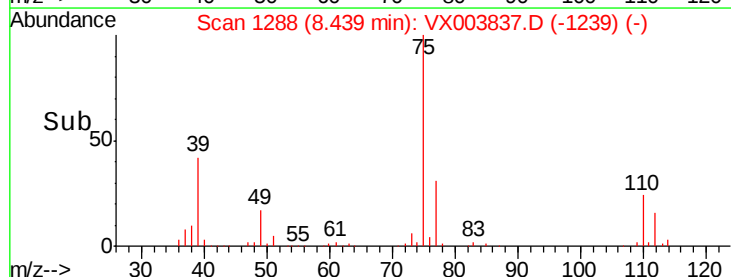
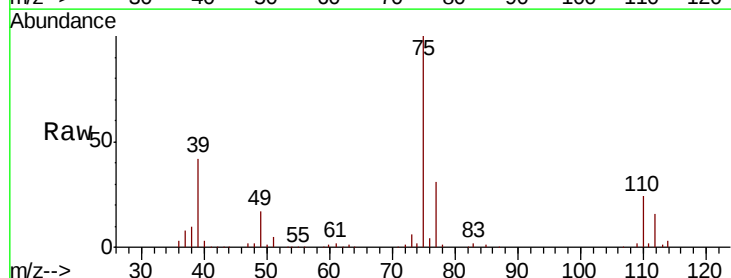
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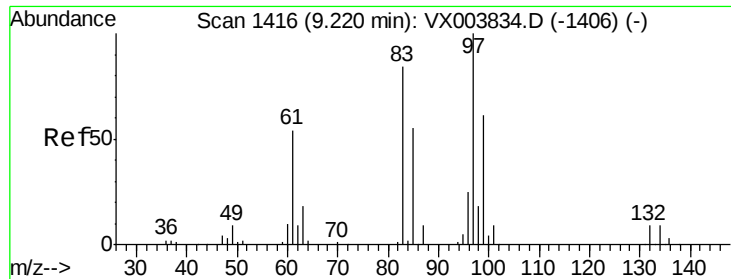
MMDadoda
8/6/2018 1:36:01 PM



#54
cis-1,3-Dichloropropene
Concen: 49.57 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion: 75 Resp: 102551
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
39 42.3 33.5 50.3





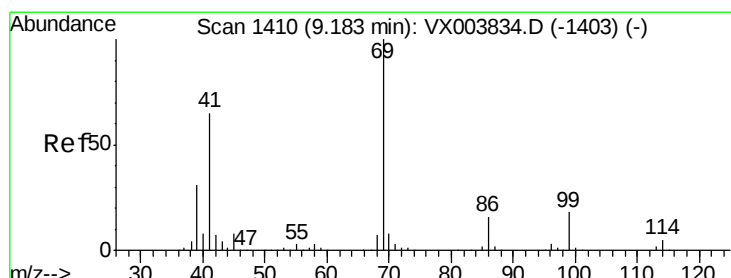
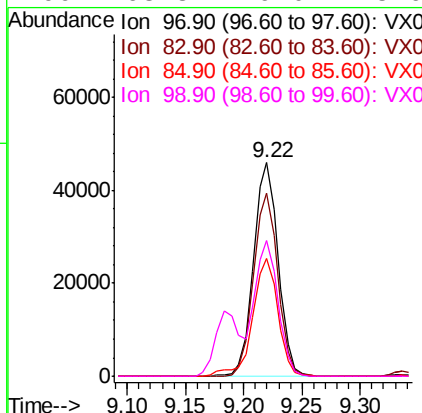
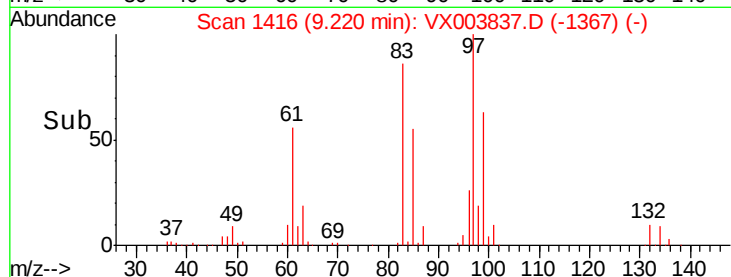
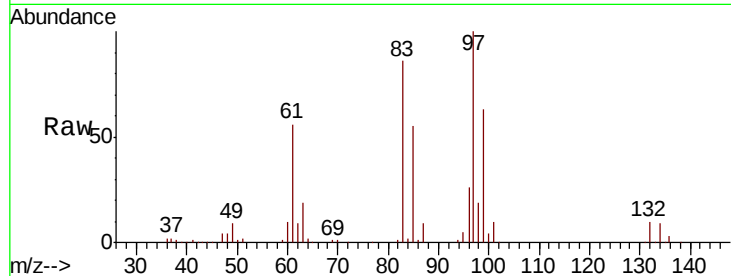
#55
 1,1,2-Trichloroethane
 Concen: 47.04 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080318

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.4	101.2
85	54.9	43.9	65.9
99	63.3	49.0	73.6

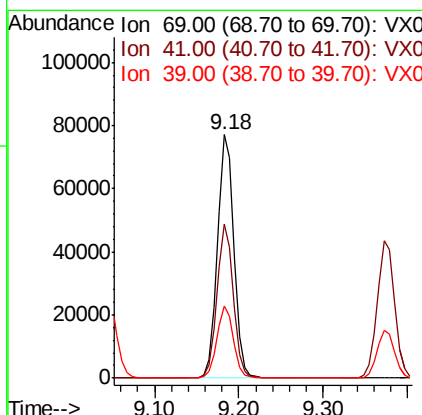
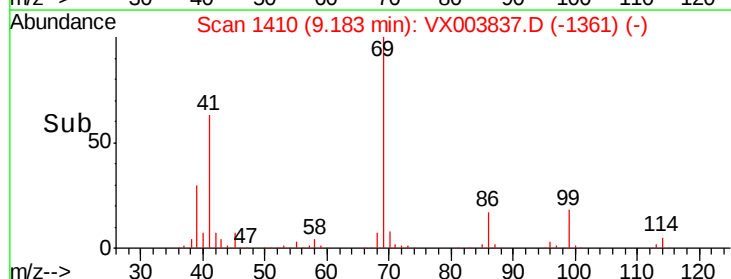
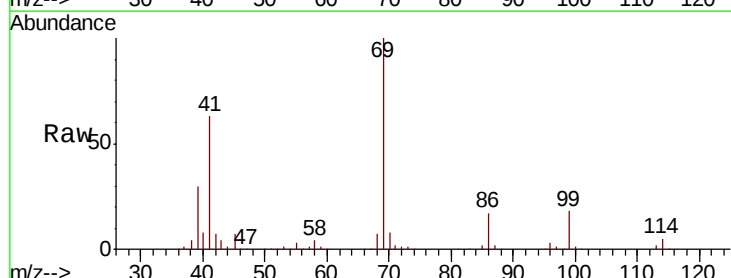
Manual Integrations
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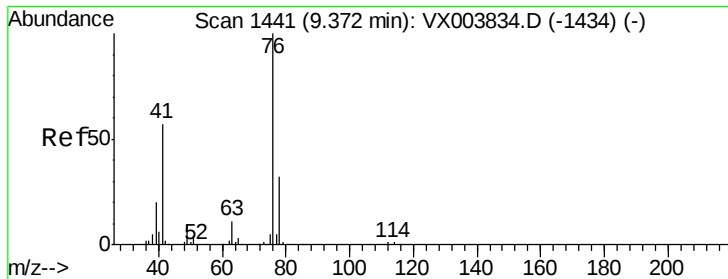
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 51.72 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.1	76.7
39	29.5	24.7	37.1





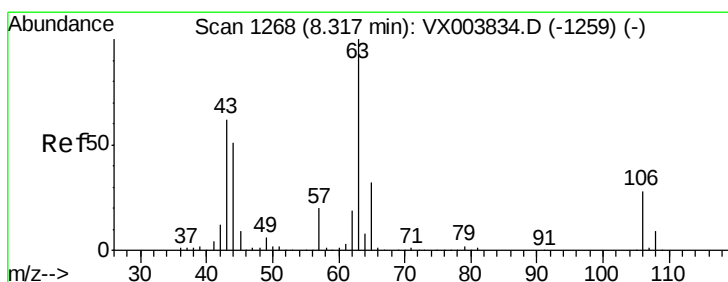
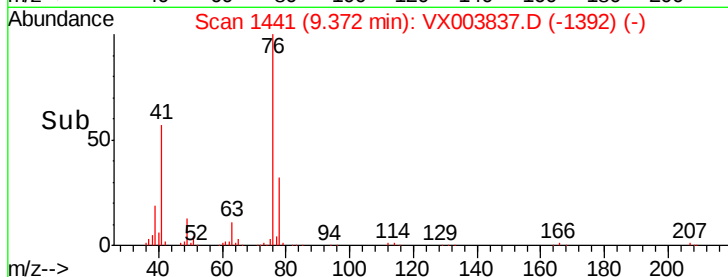
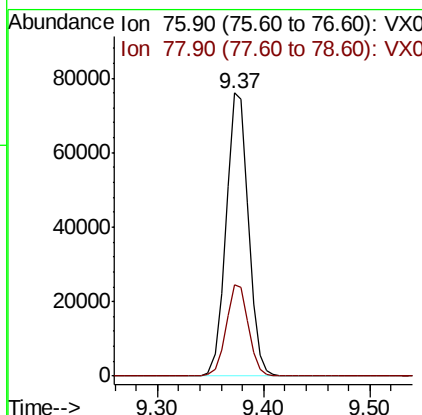
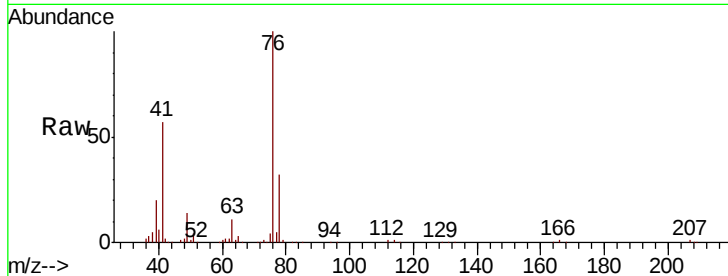
#57
 1,3-Dichloropropane
 Concen: 47.43 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080318

Tot Ion: 76 Resp: 111544
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

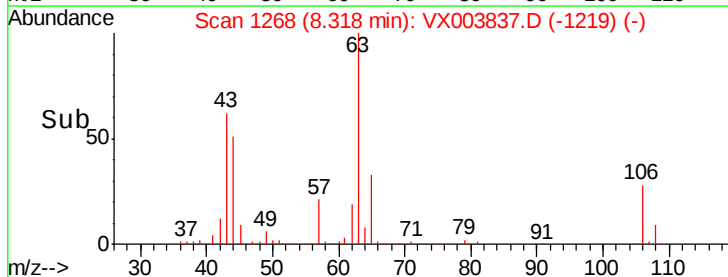
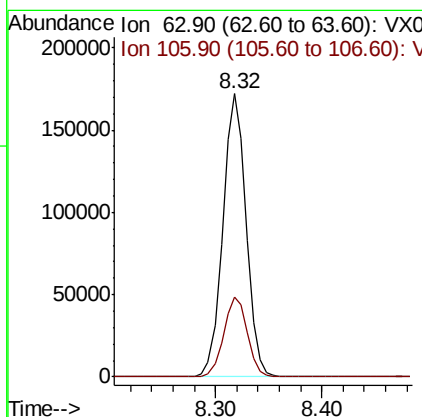
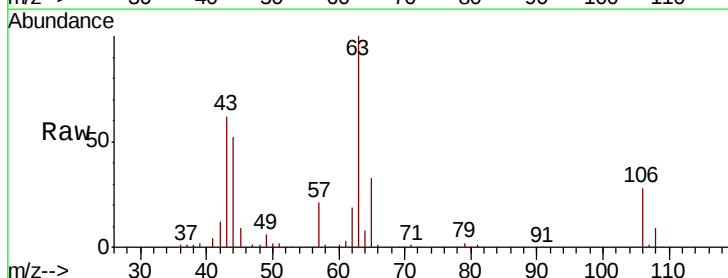
Manual Integrations
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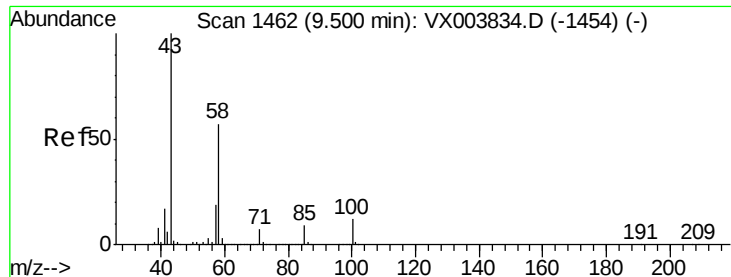
MMDadoda
 8/6/2018 1:36:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.77 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Tgt Ion: 63 Resp: 262020
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.6 34.0





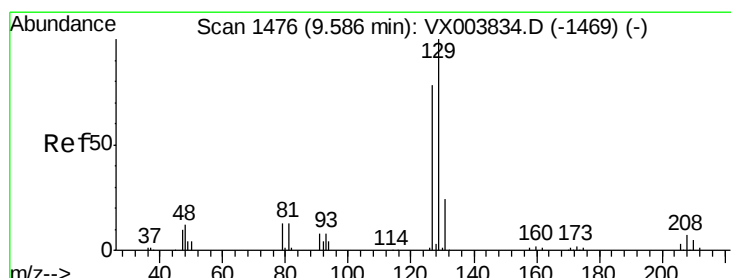
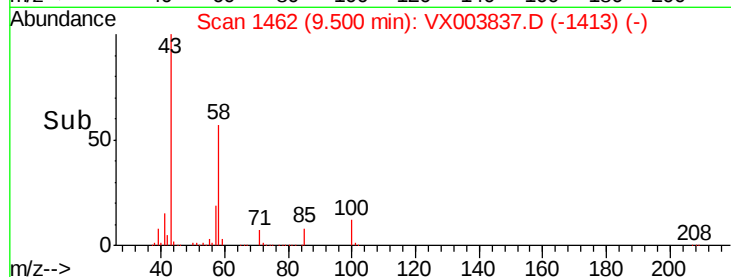
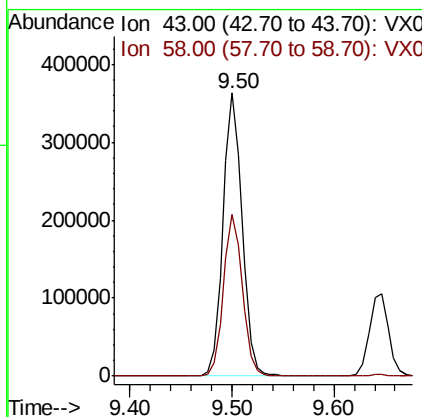
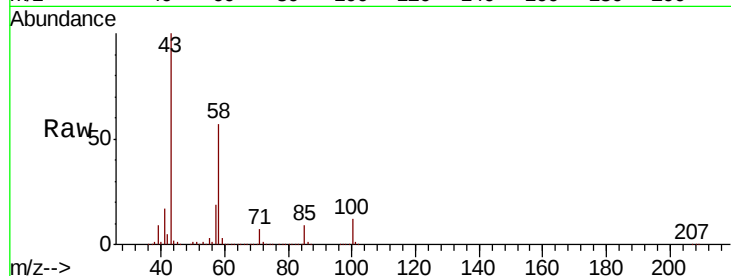
#59
2-Hexanone
Concen: 238.50 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.9	28.2	84.7

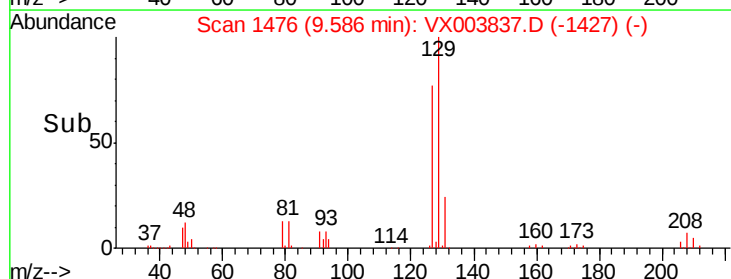
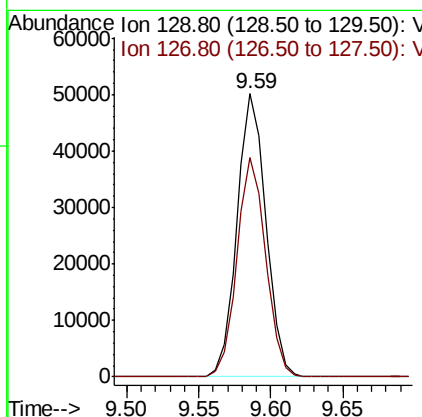
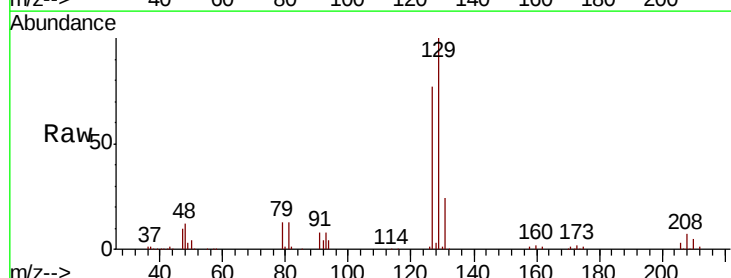
Manual Integrations
APPROVED

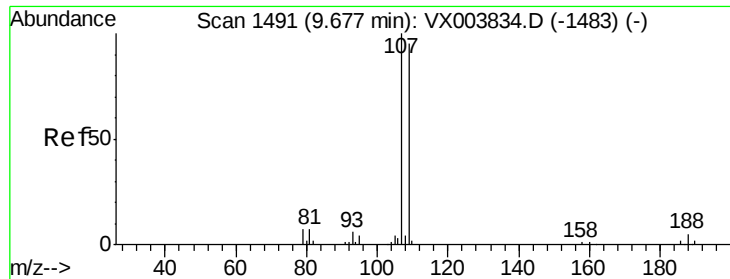
MMDadoda
8/6/2018 1:36:01 PM



#60
Dibromochloromethane
Concen: 49.52 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.0	116.9





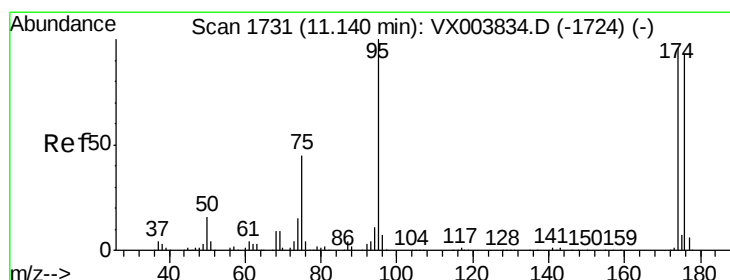
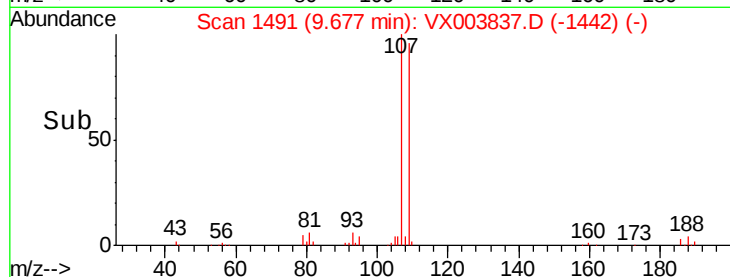
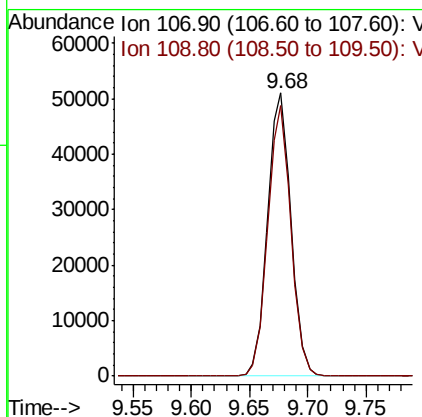
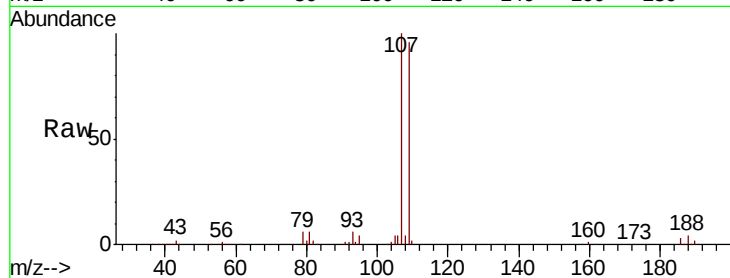
#61
 1,2-Dibromoethane
 Concen: 48.11 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080318

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.8	113.8

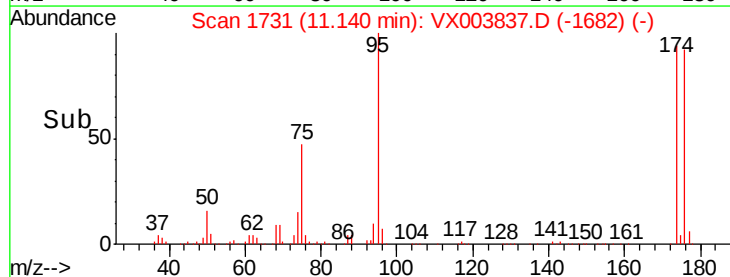
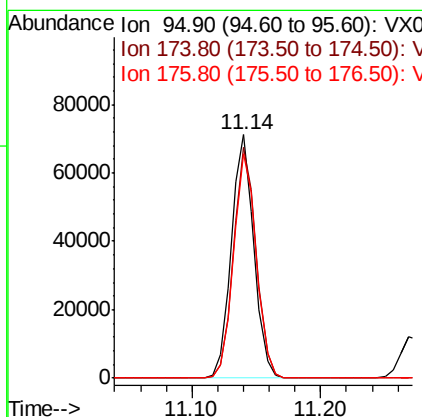
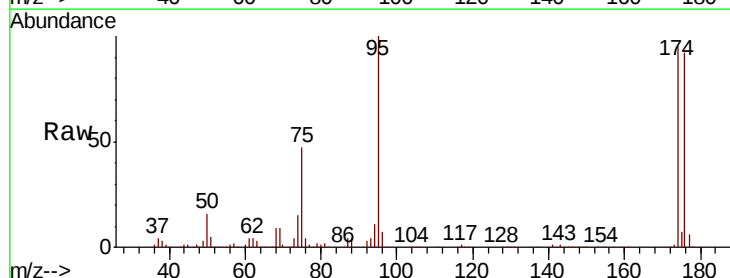
Manual Integrations
 APPROVED

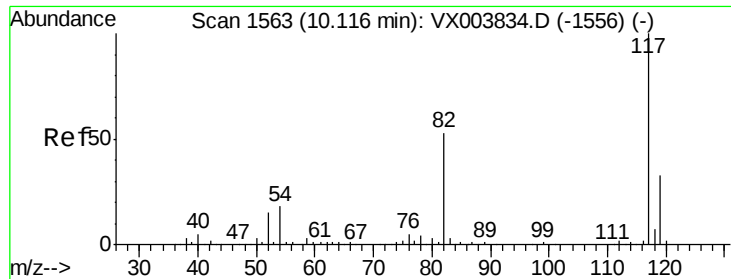
MMDadoda
 8/6/2018 1:36:01 PM



#62
 4-Bromofluorobenzene
 Concen: 48.10 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.4	0.0	192.2
176	93.0	0.0	185.8





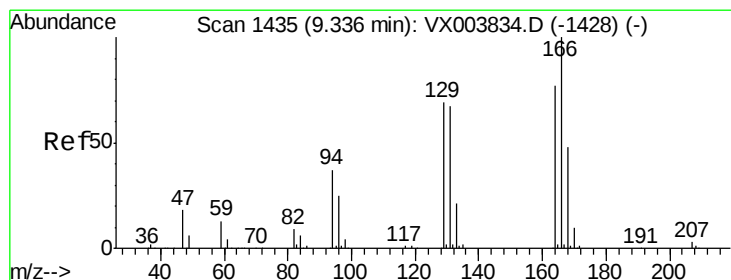
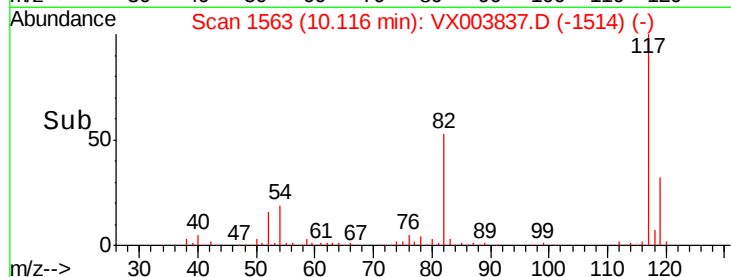
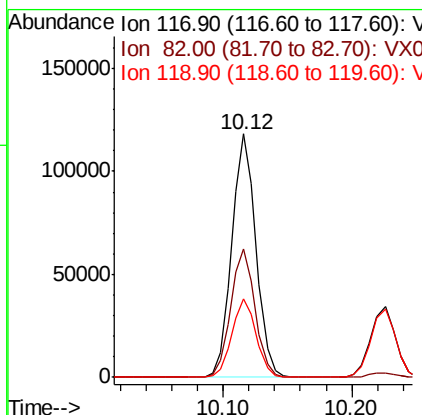
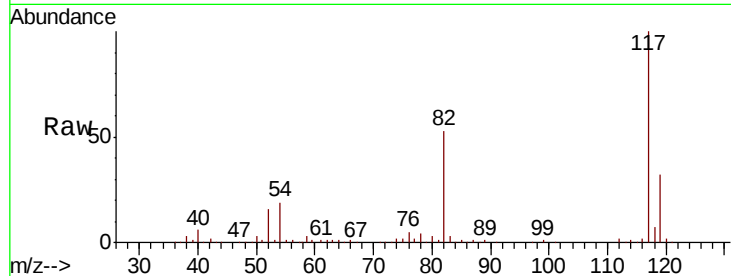
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	32.1	26.2	39.2

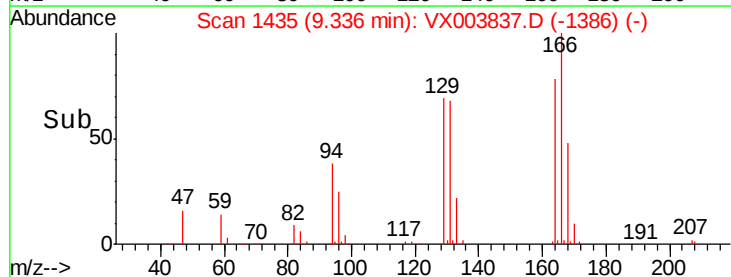
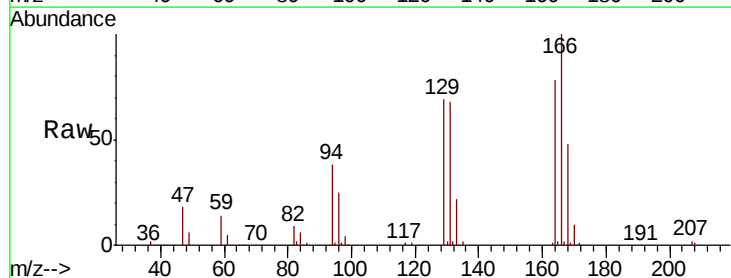
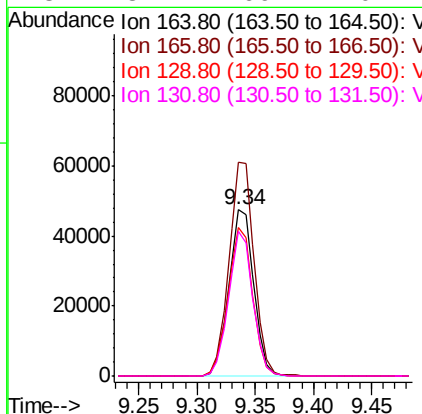
Manual Integrations
APPROVED

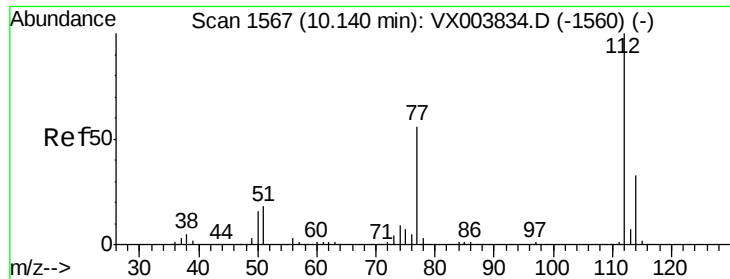
MMDadoda
8/6/2018 1:36:01 PM



#64
Tetrachloroethene
Concen: 50.24 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	103.7	155.5
129	89.1	71.9	107.9
131	87.2	69.4	104.2





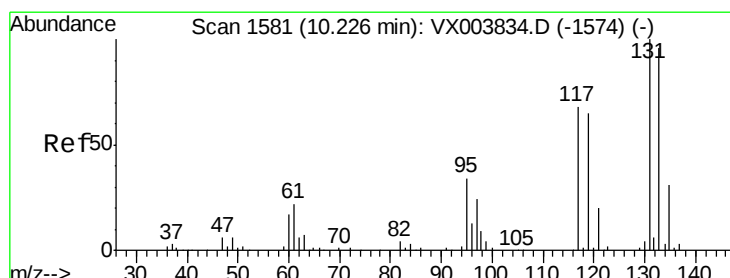
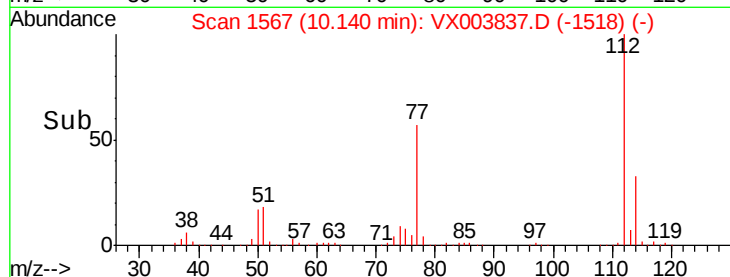
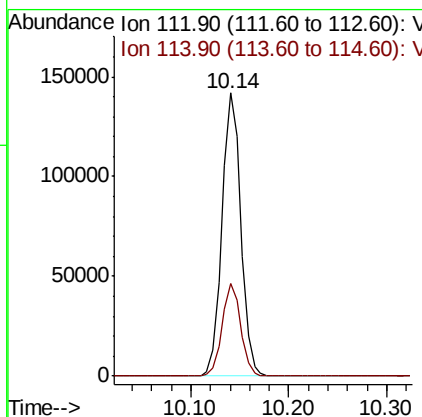
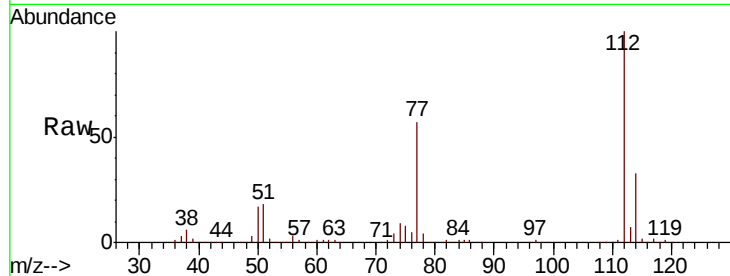
#65
Chlorobenzene
Concen: 49.41 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.2	39.4

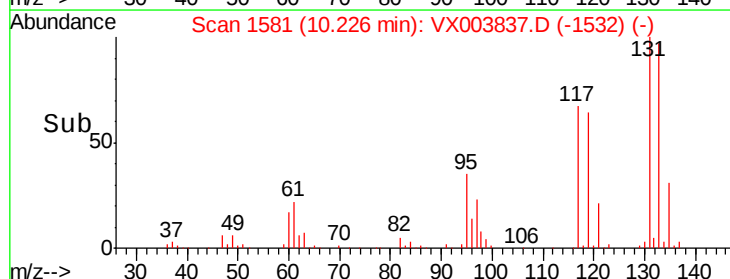
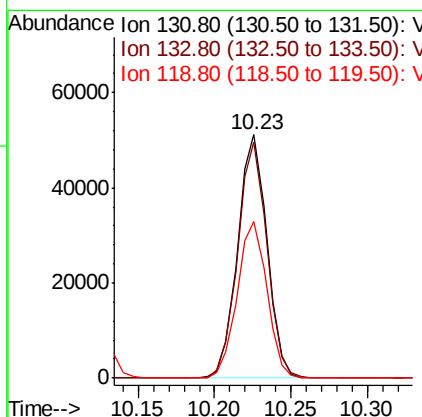
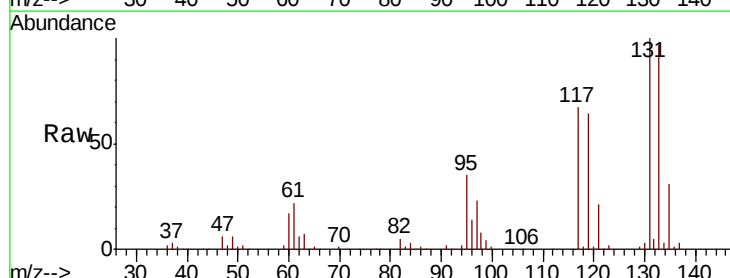
Manual Integrations
APPROVED

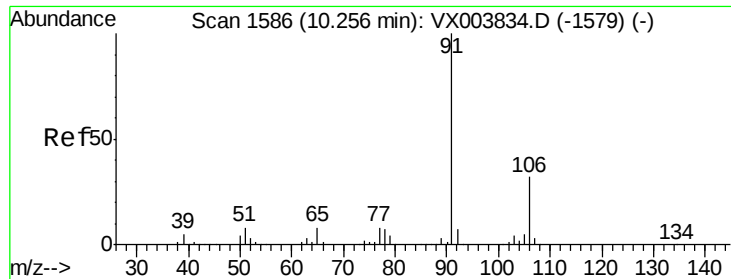
MMDadoda
8/6/2018 1:36:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.29 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.9	143.8
119	65.3	32.8	98.3





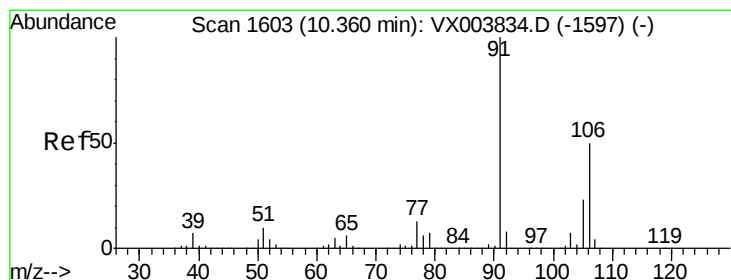
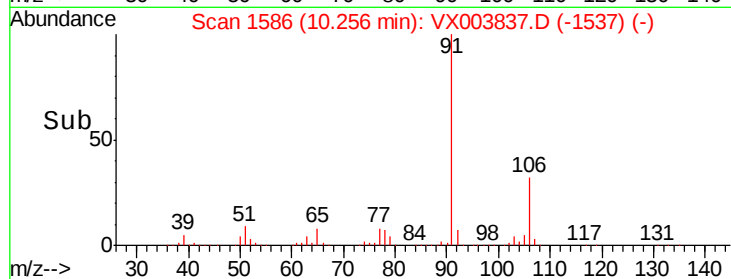
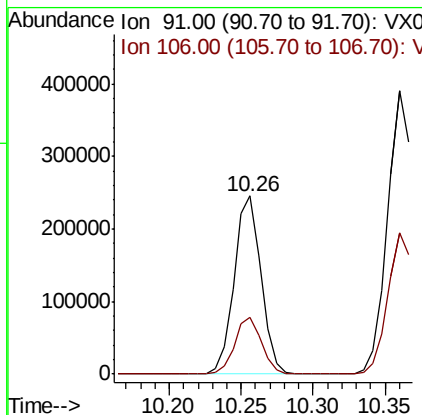
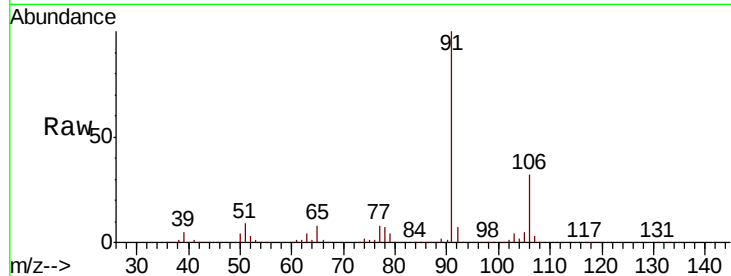
#67
Ethyl Benzene
Concen: 52.34 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion: 91 Resp: 320524
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5

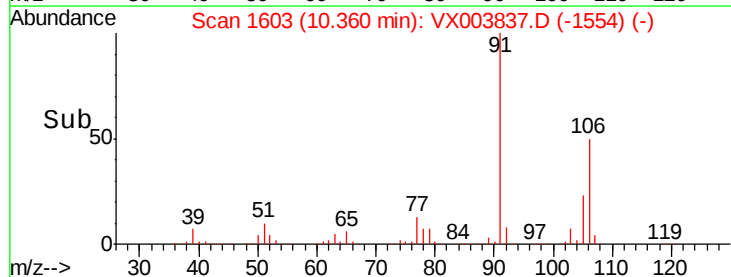
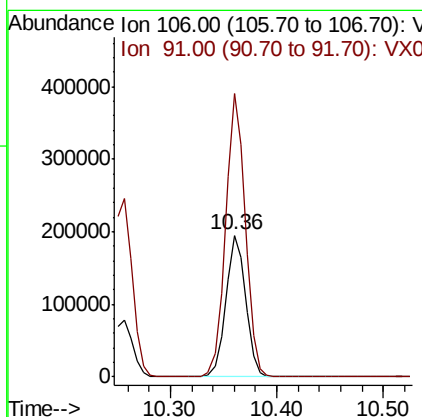
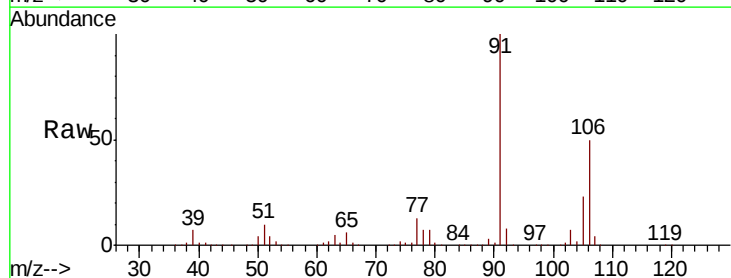
Manual Integrations
APPROVED

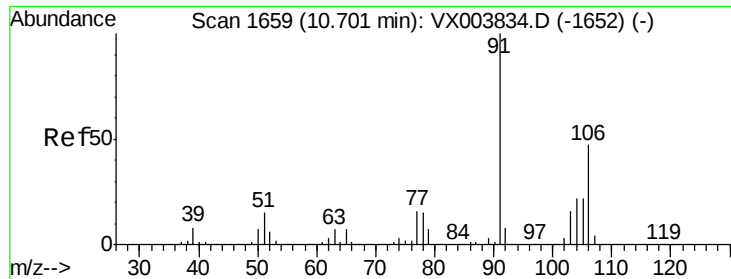
MMDadoda
8/6/2018 1:36:01 PM



#68
m/p-Xylenes
Concen: 106.32 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion: 106 Resp: 254487
Ion Ratio Lower Upper
106 100
91 198.4 161.3 241.9





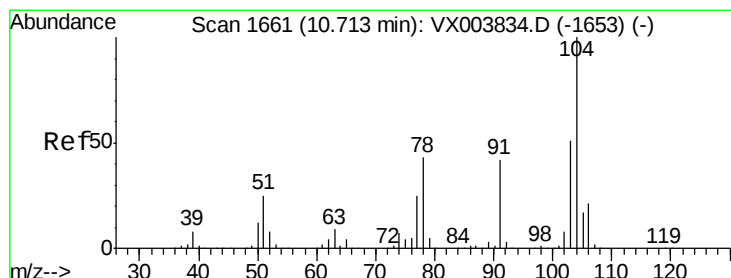
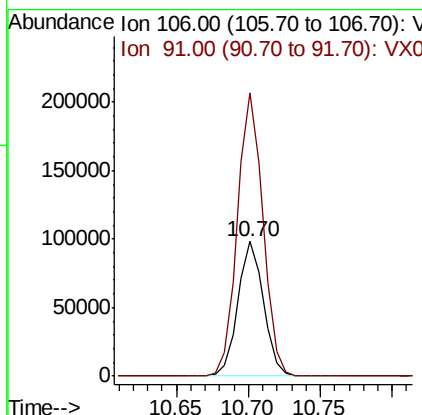
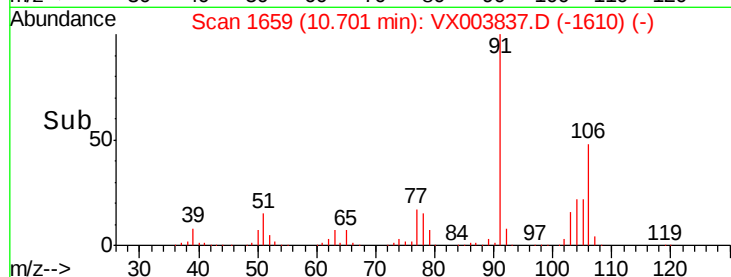
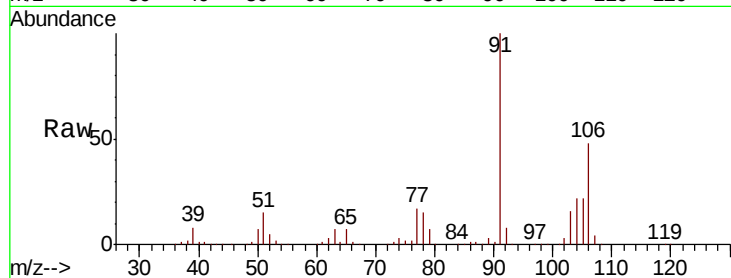
#69
o-Xylene
Concen: 52.71 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.8	105.7	317.1

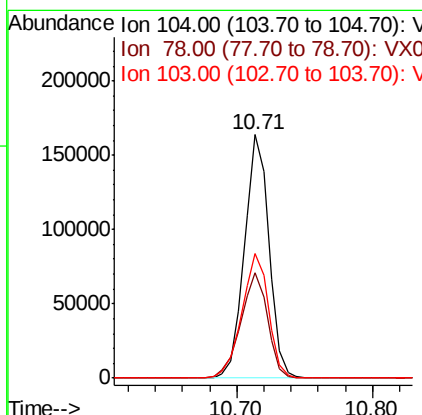
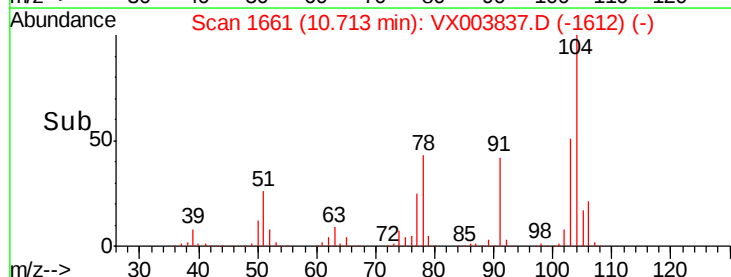
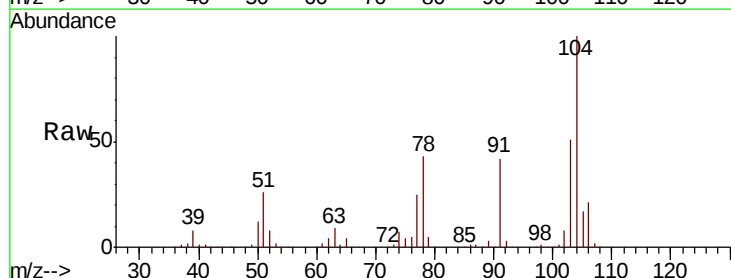
Manual Integrations
APPROVED

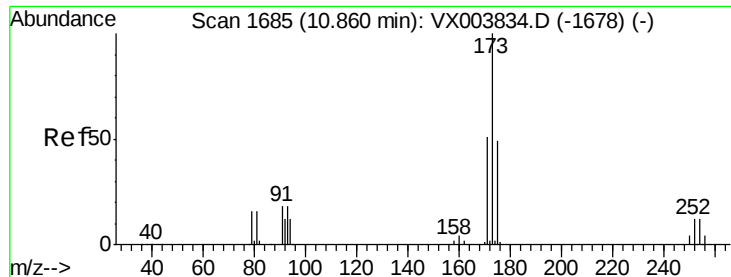
MMDadoda
8/6/2018 1:36:01 PM



#70
Styrene
Concen: 53.73 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.8	56.8
103	55.5	44.2	66.4





#71

Bromoform

Concen: 50.46 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080318

Tot Ion:173 Resp: 56446

Ion Ratio Lower Upper

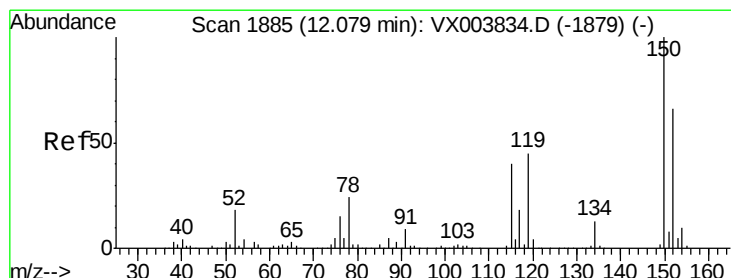
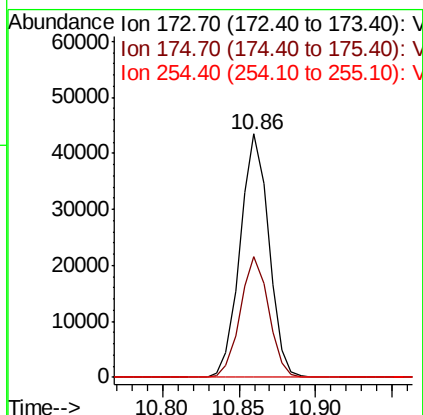
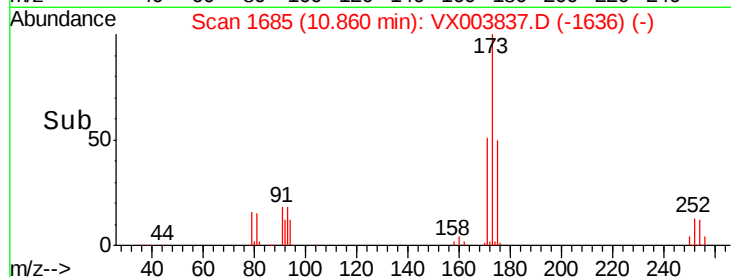
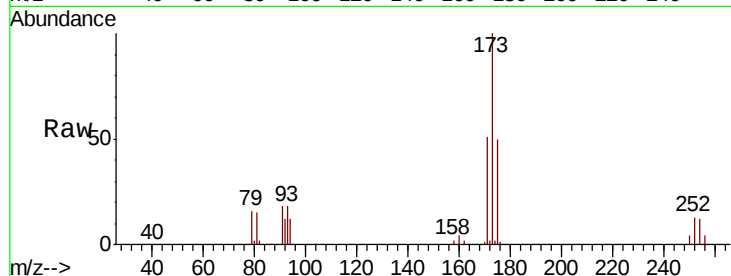
173 100

175 49.2 24.4 73.2

254 0.2 0.1 0.1#

Manual Integrations
APPROVED

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8/6/2018 1:36:01 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

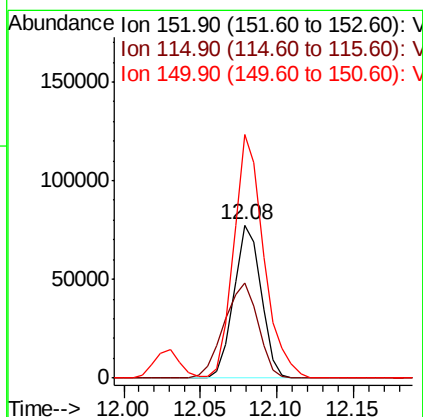
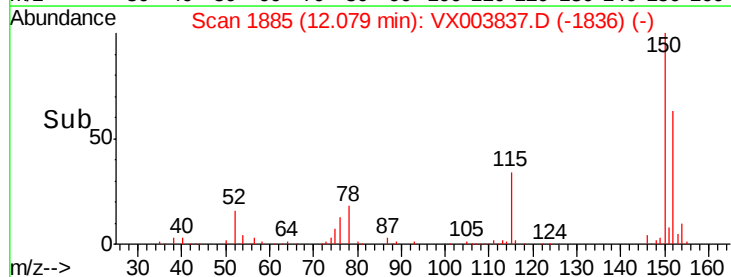
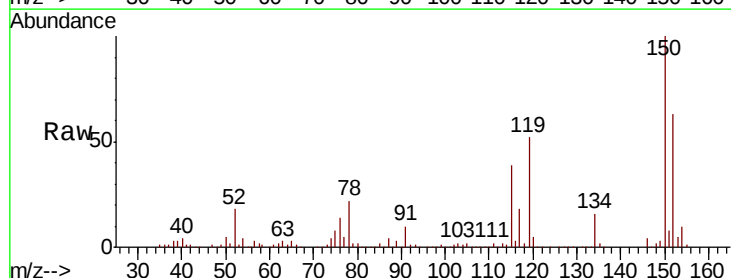
Tgt Ion:152 Resp: 95836

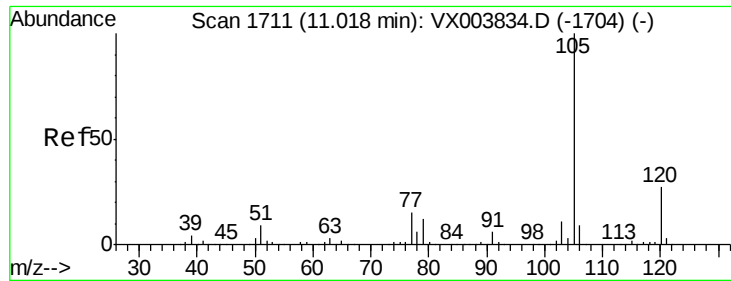
Ion Ratio Lower Upper

152 100

115 77.3 37.4 112.1

150 174.6 0.0 346.6





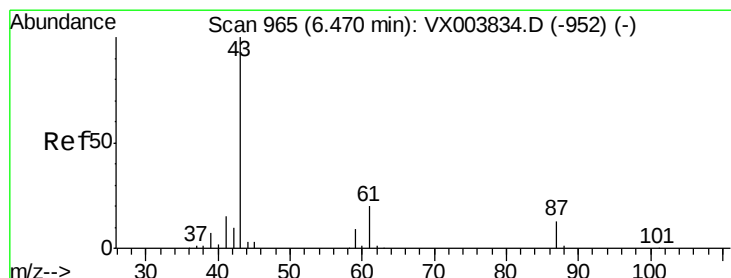
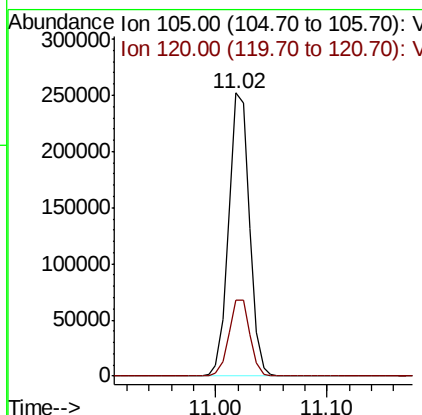
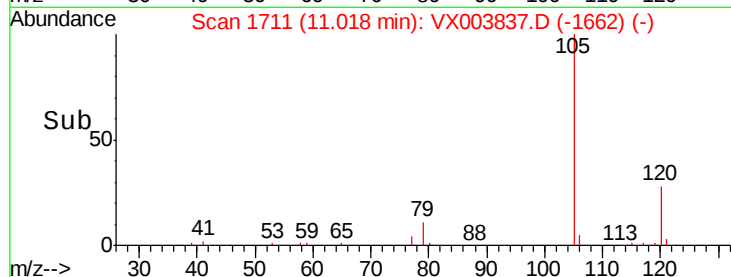
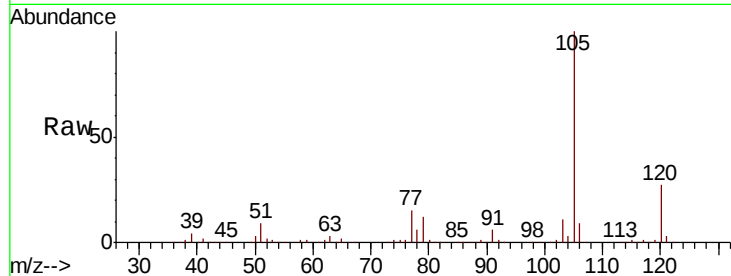
#73
Isopropylbenzene
Concen: 52.74 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion: 105 Resp: 324187
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.7

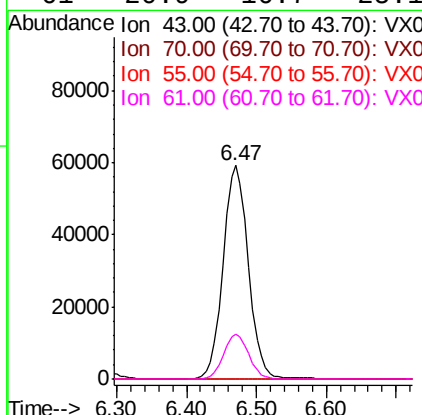
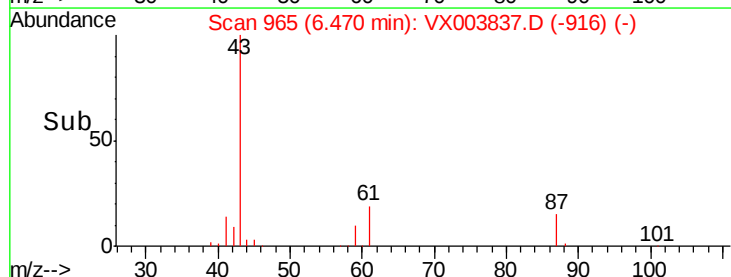
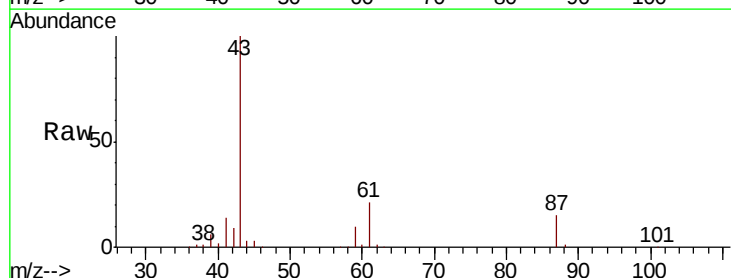
Manual Integrations
APPROVED

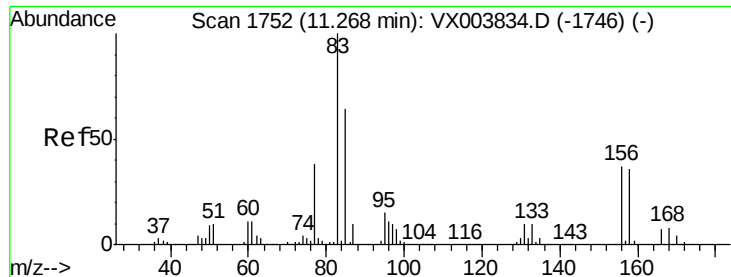
MMDadoda
8/6/2018 1:36:01 PM



#74
N-ethyl acetate
Concen: 48.56 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion: 43 Resp: 148019
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0
61 20.9 16.7 25.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.81 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

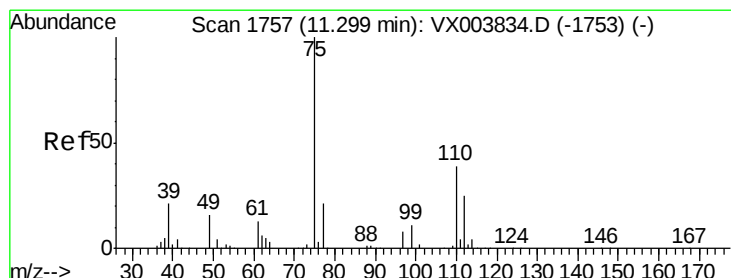
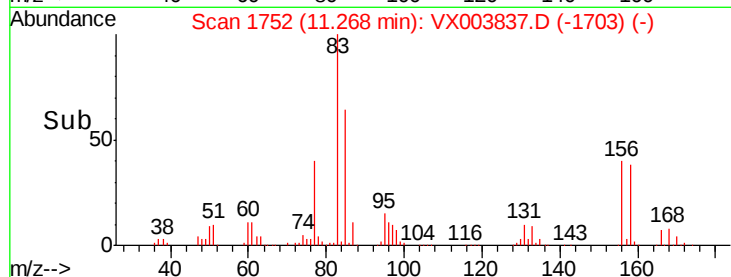
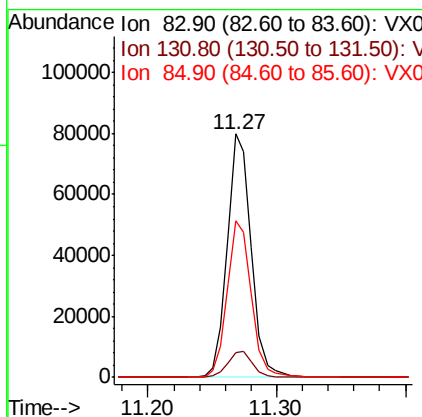
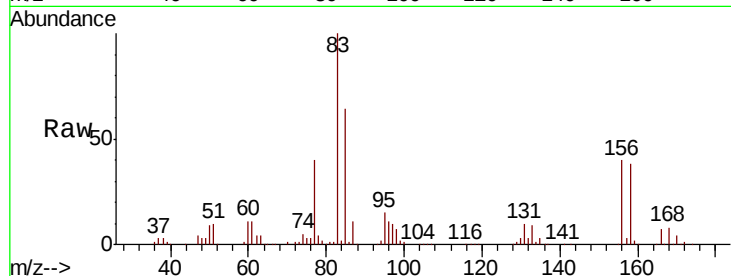
ClientSampleId :

ICVVX080318

Tot Ion:	83	Resp:	104840
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	64.6	32.1	96.3

Manual Integrations
APPROVED

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8/6/2018 1:36:01 PM



#76

1,2,3-Trichloropropane

Concen: 47.55 ug/l m

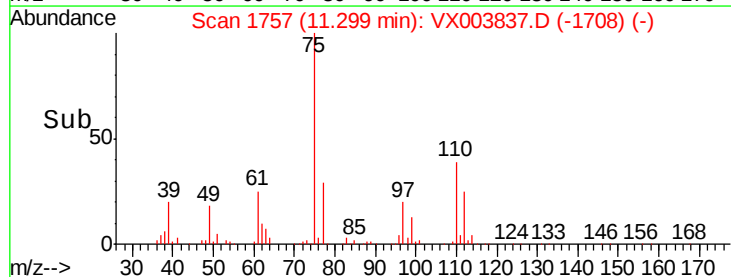
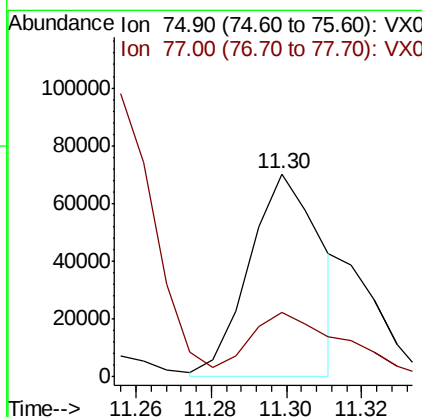
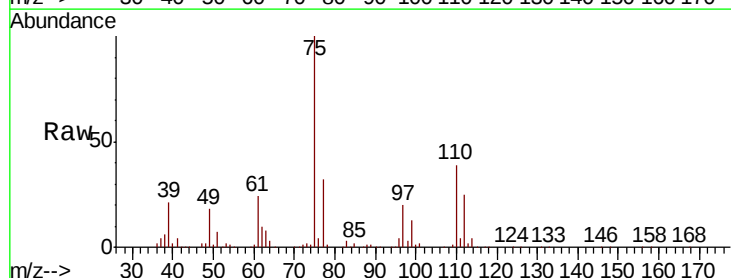
RT: 11.30 min Scan# 1757

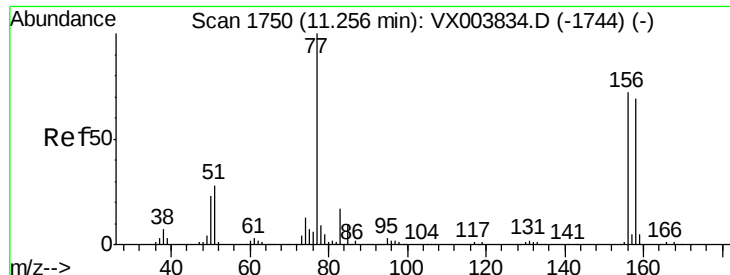
Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Tgt Ion:	75	Resp:	91871
Ion Ratio	Lower	Upper	
75	100		
77	42.2	21.1	63.3





#77

Bromobenzene

Concen: 50.68 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

ClientSampled :

ICVVX080318

Tot Ion:156 Resp: 88875

Ion Ratio Lower Upper

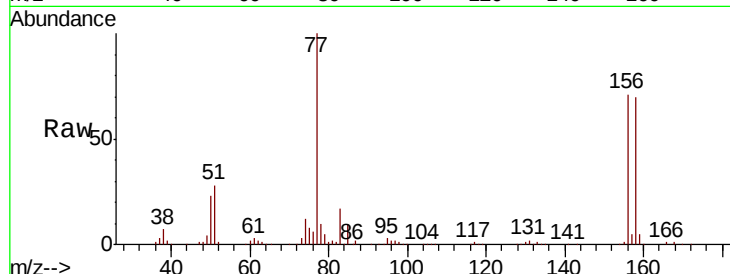
156 100

77 138.3 69.0 206.9

158 97.6 48.1 144.4

Manual Integrations
APPROVED

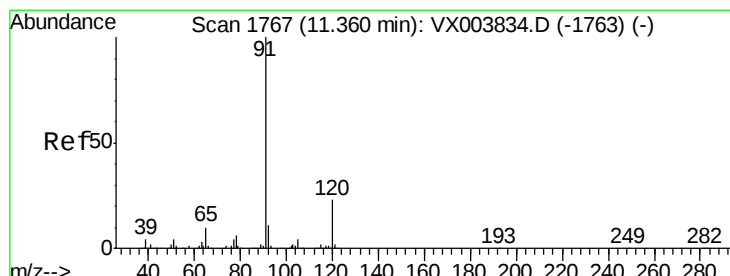
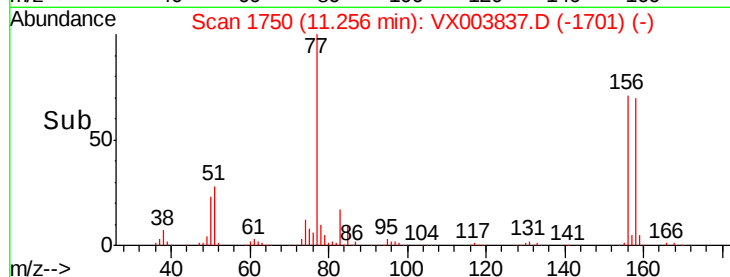
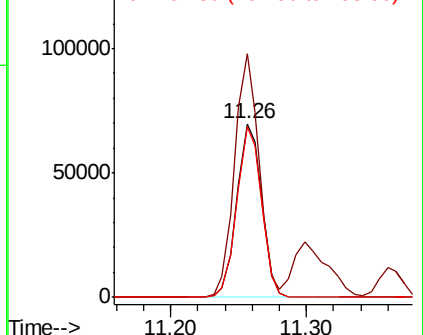
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.03 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003837.D

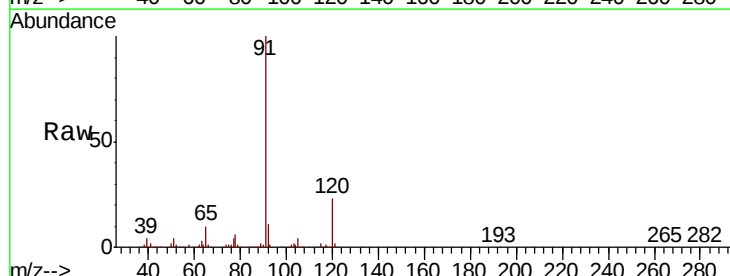
Acq: 02 Aug 2018 21:36

Tgt Ion: 91 Resp: 375715

Ion Ratio Lower Upper

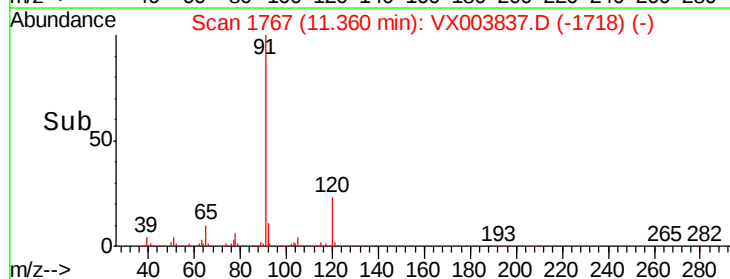
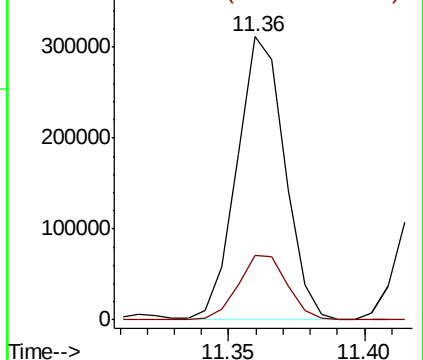
91 100

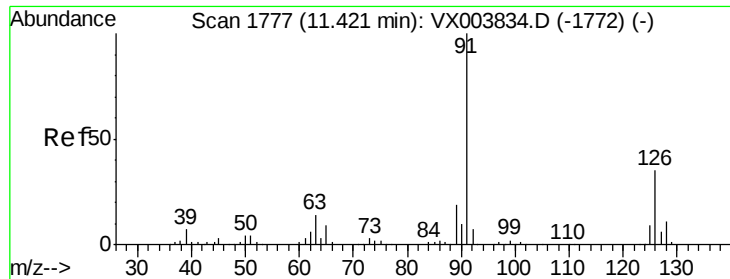
120 23.8 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.91 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080318

Tot Ion: 91 Resp: 218879

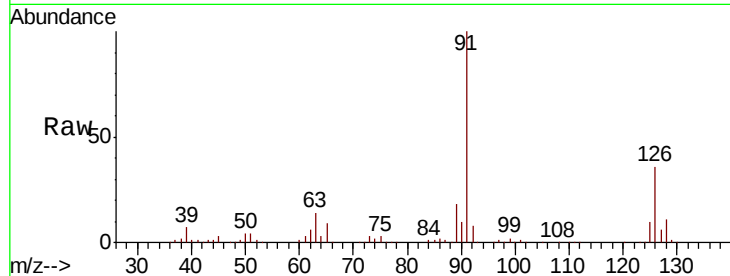
Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7

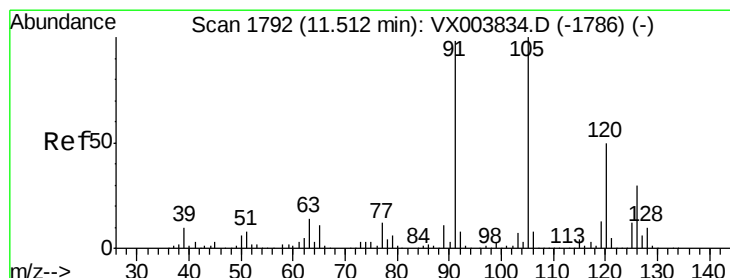
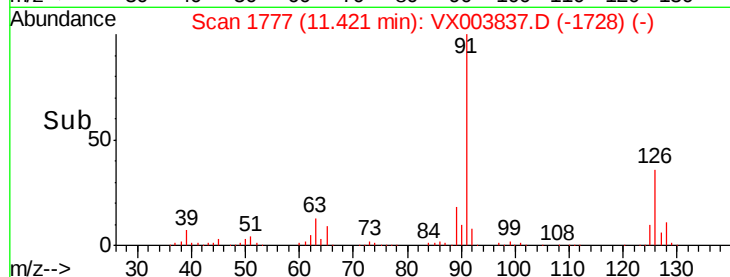
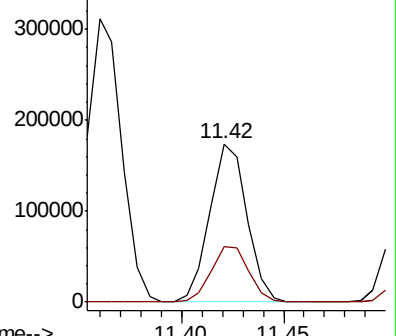
Manual Integrations
APPROVED

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8/6/2018 1:36:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.71 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003837.D

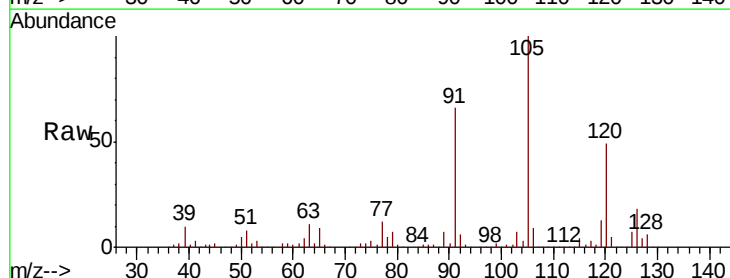
Acq: 02 Aug 2018 21:36

Tgt Ion:105 Resp: 276952

Ion Ratio Lower Upper

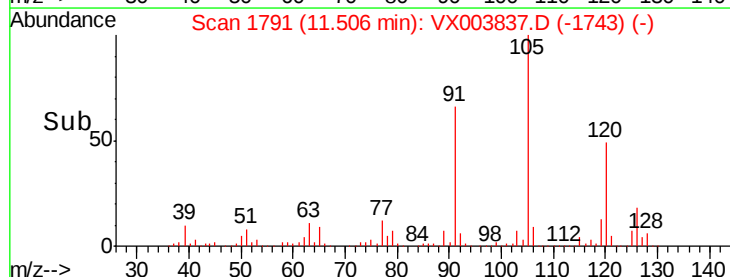
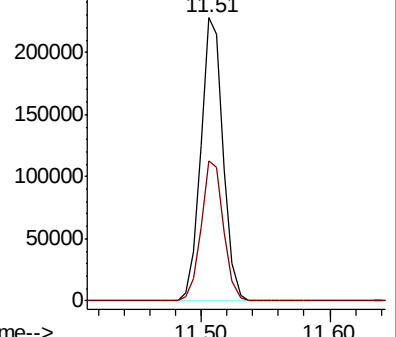
105 100

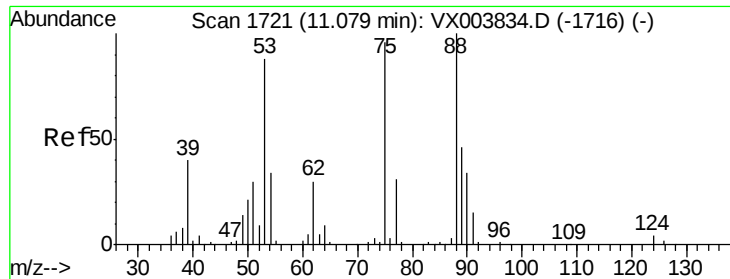
120 49.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.08 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080318

Tot Ion: 75 Resp: 30697

Ion Ratio Lower Upper

75 100

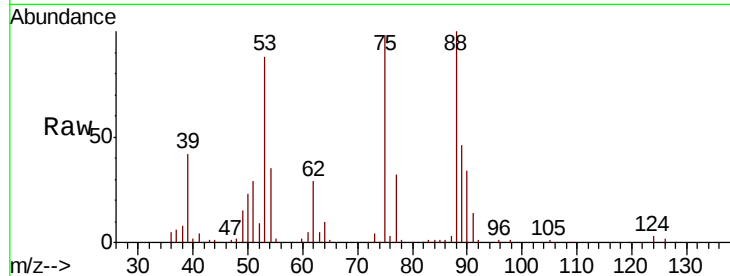
53 91.4 74.9 112.3

89 45.9 36.6 54.8

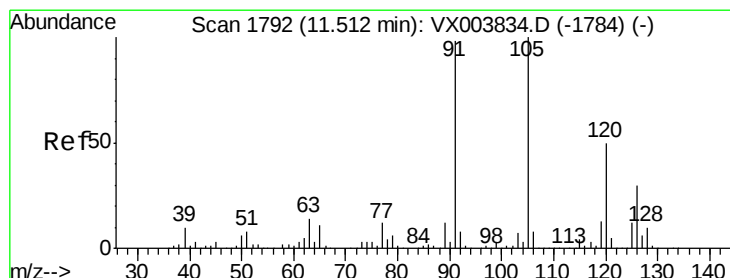
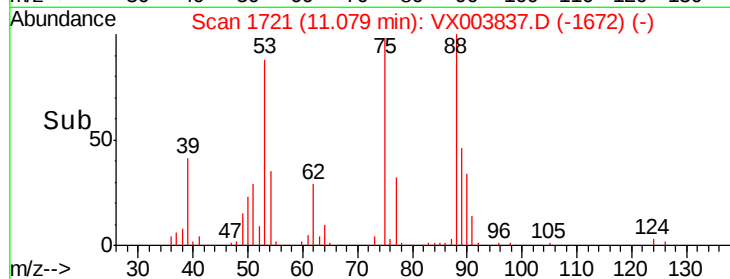
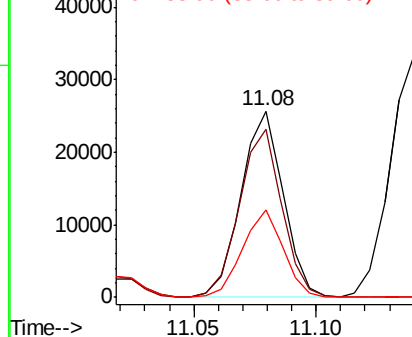
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 52.05 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003837.D

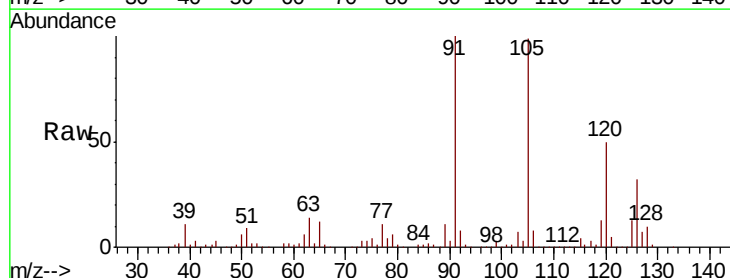
Acq: 02 Aug 2018 21:36

Tgt Ion: 91 Resp: 258893

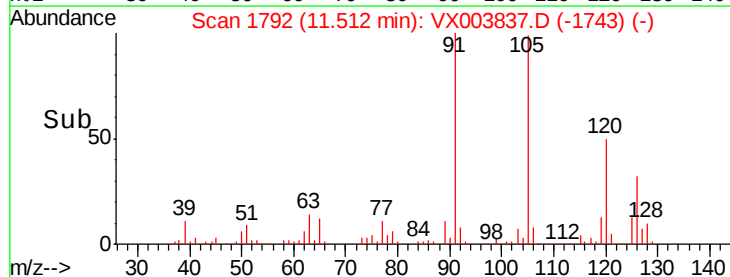
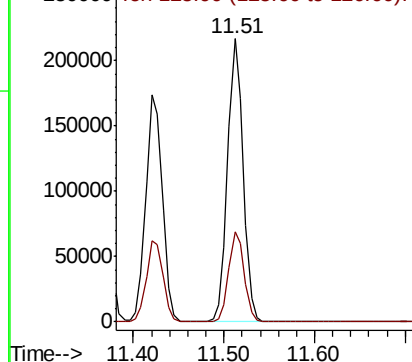
Ion Ratio Lower Upper

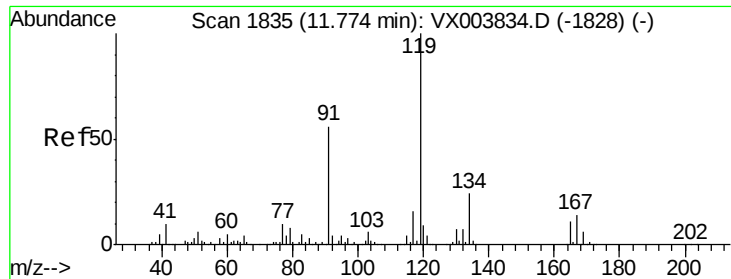
91 100

126 31.9 16.0 47.9



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





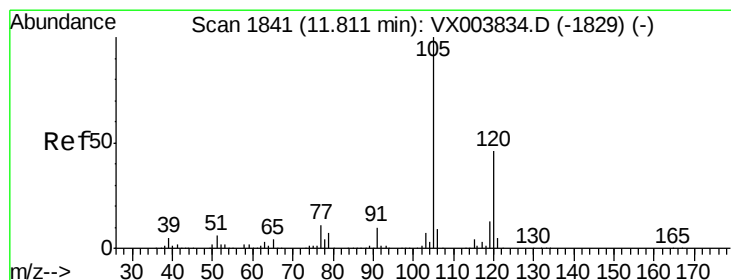
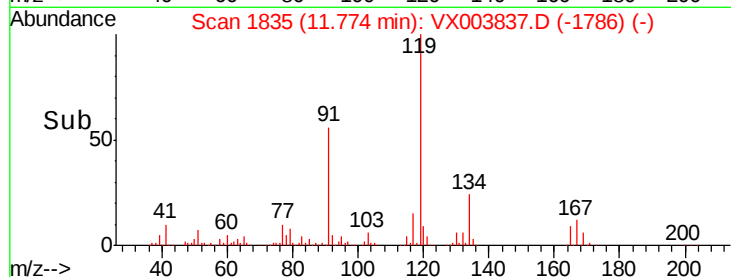
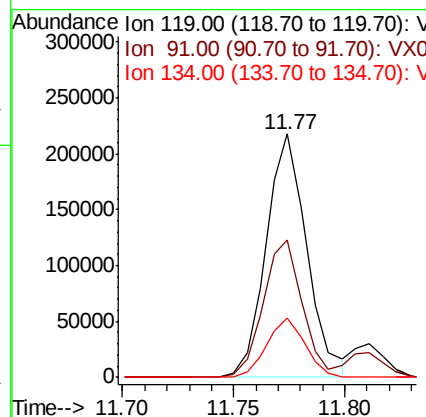
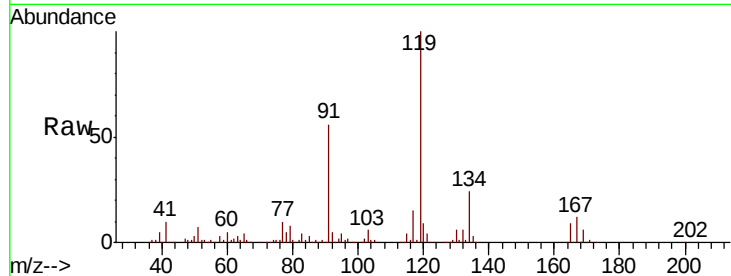
#83
tert-Butylbenzene
Concen: 53.25 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	Ratio	Resp	Lower	Upper
119	100	276187		
91	54.0	26.6	79.7	
134	23.0	11.6	34.7	

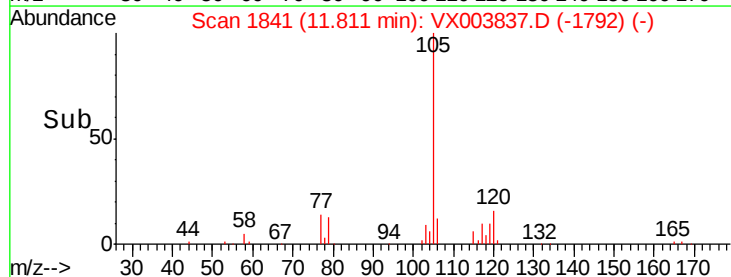
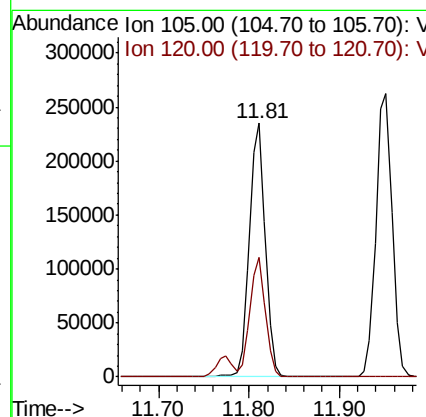
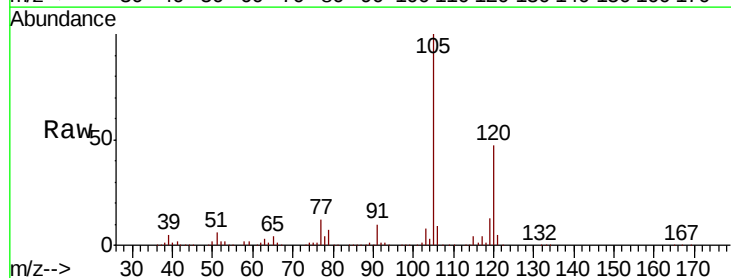
Manual Integrations
APPROVED

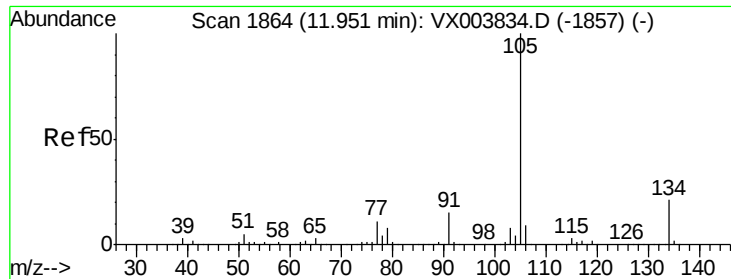
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#84
1,2,4-Trimethylbenzene
Concen: 53.44 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	285015		
120	46.2	22.9	68.5	





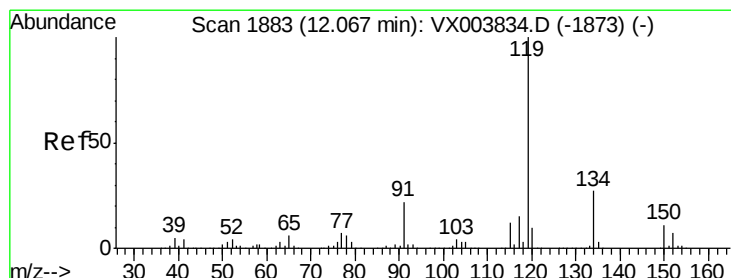
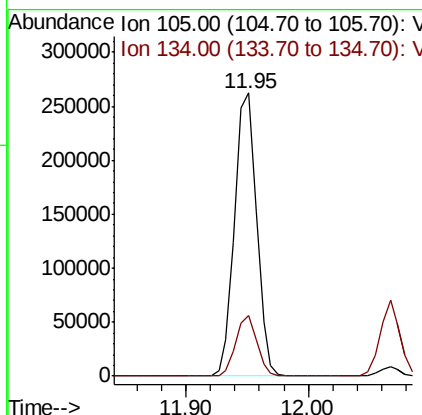
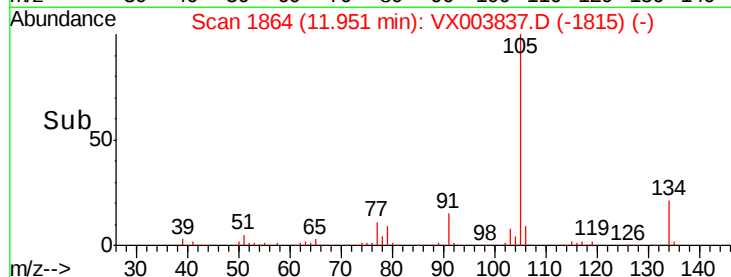
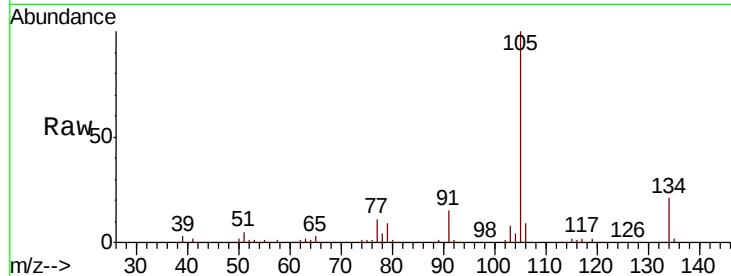
#85
 sec-Butylbenzene
 Concen: 54.27 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080318

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.4	31.4

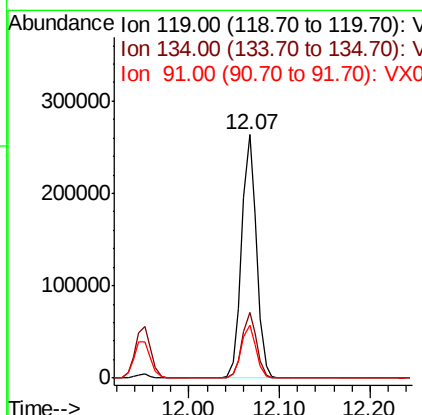
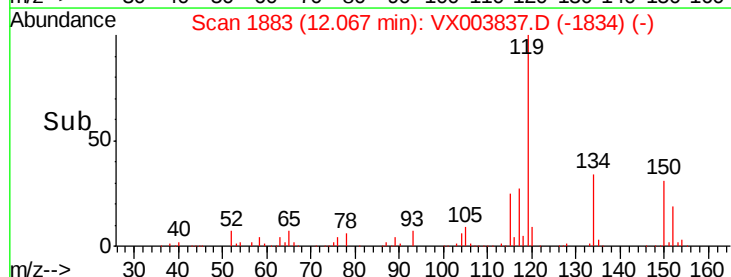
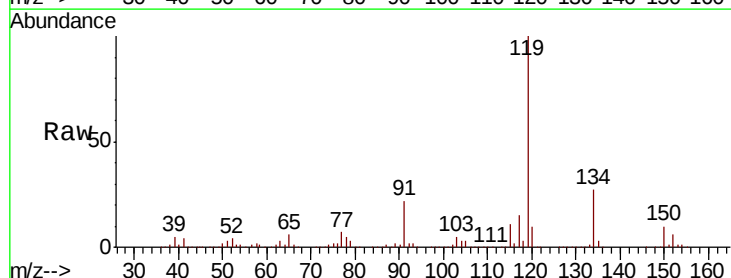
Manual Integrations
 APPROVED

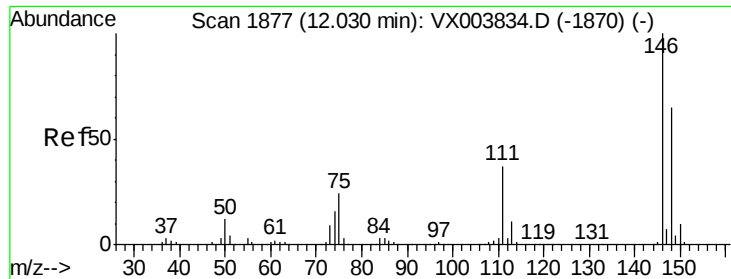
MMDadoda
 8/6/2018 1:36:01 PM



#86
 p-Isopropyltoluene
 Concen: 54.80 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.2
91	22.0	11.1	33.1





#87

1,3-Dichlorobenzene

Concen: 50.52 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

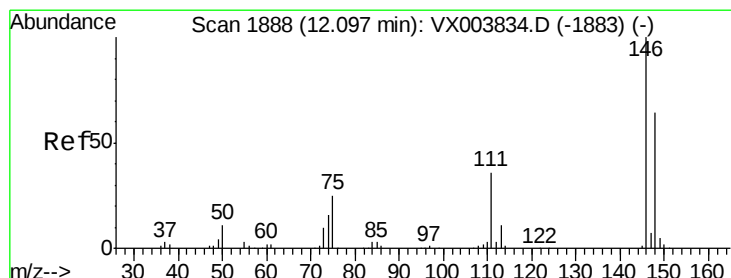
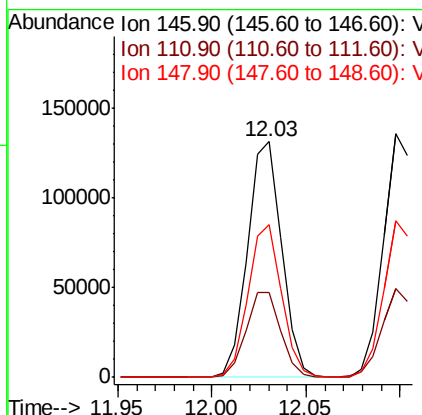
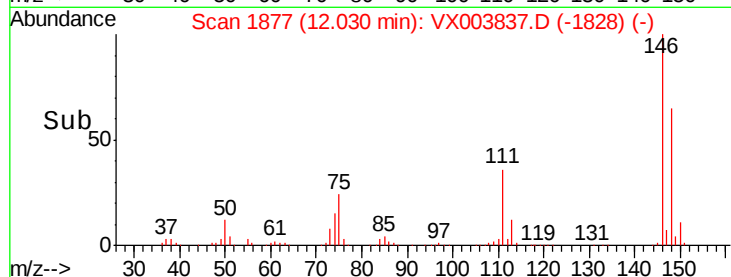
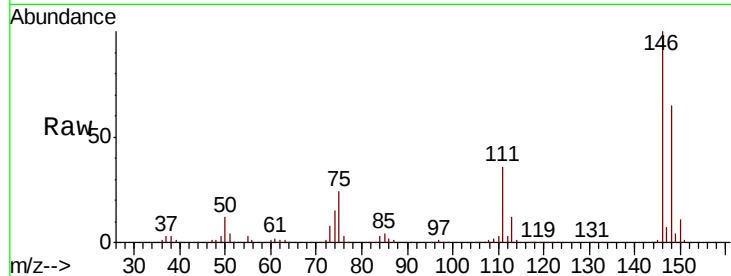
ClientSampleId :

ICVVX080318

Tot Ion:	146	Resp:	164689
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.8	56.4
148	63.9	32.2	96.6

Manual Integrations
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8/6/2018 1:36:01 PM



#88

1,4-Dichlorobenzene

Concen: 49.69 ug/l

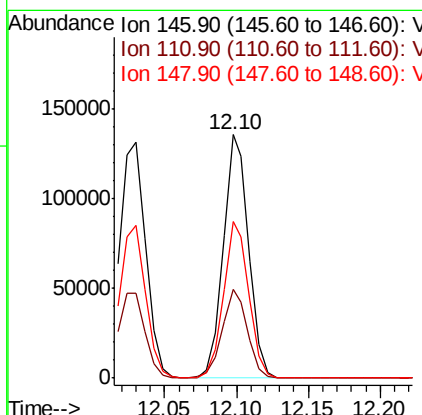
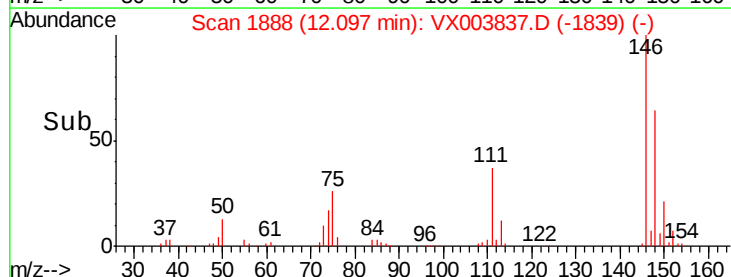
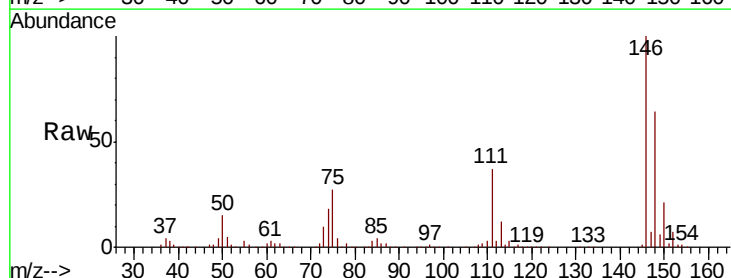
RT: 12.10 min Scan# 1888

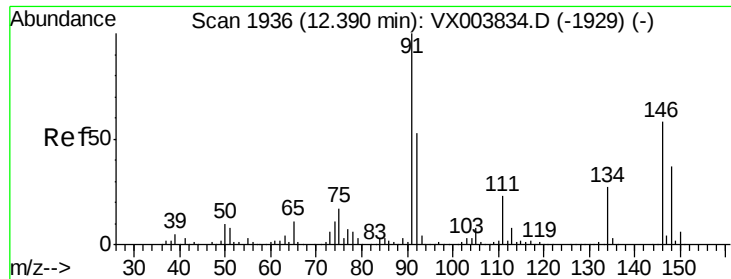
Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Tgt Ion:	146	Resp:	167470
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.1	54.3
148	64.0	32.1	96.5





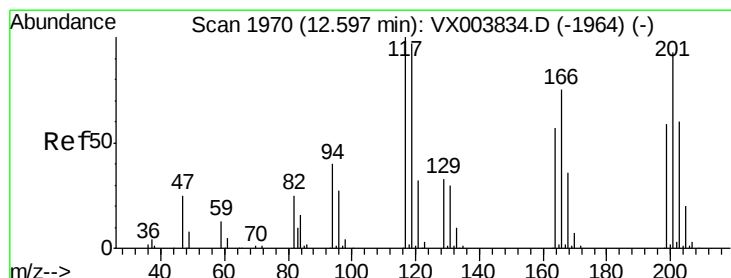
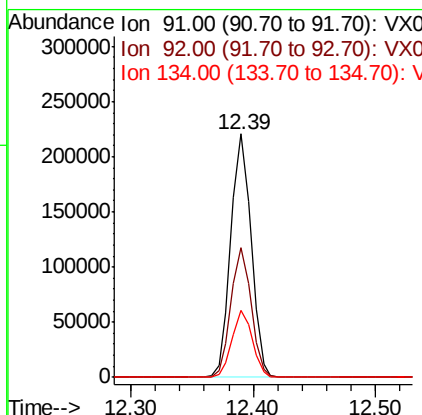
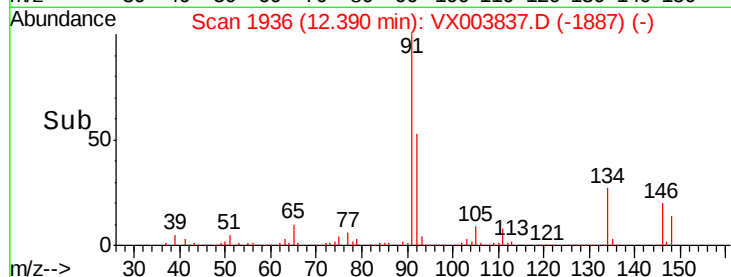
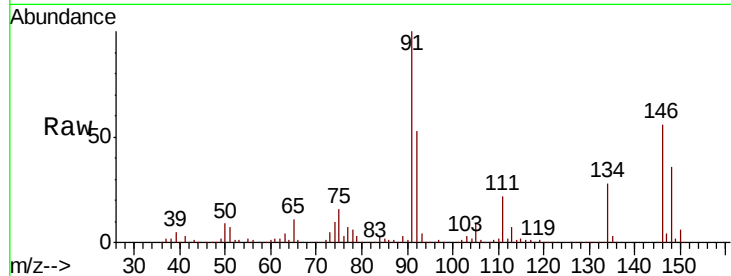
#89
n-Butylbenzene
Concen: 54.33 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080318

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.9
134	27.5	13.7	41.0

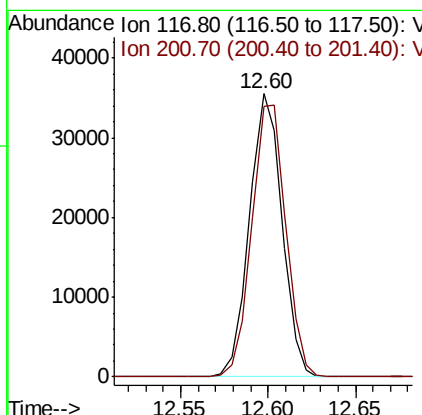
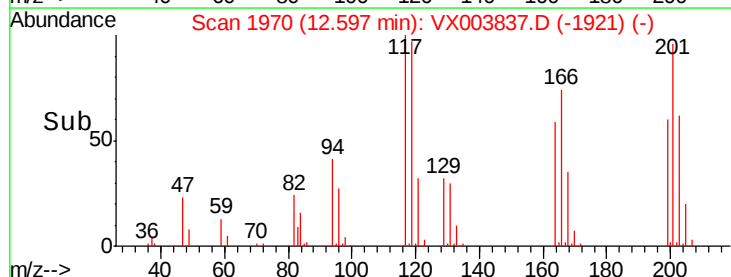
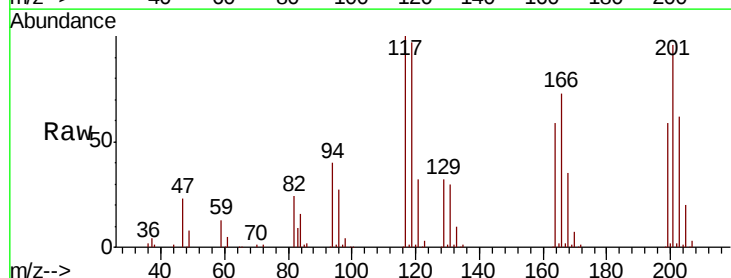
Manual Integrations
APPROVED

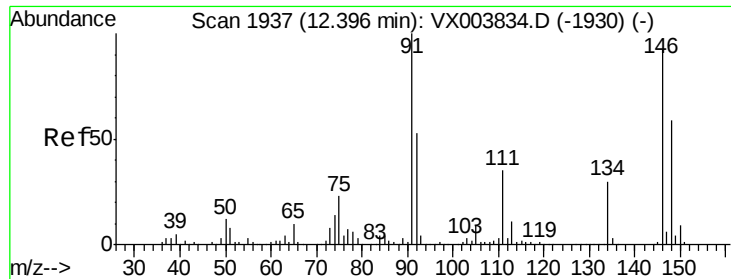
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#90
Hexachloroethane
Concen: 52.37 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003837.D
Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.1	49.9	149.6





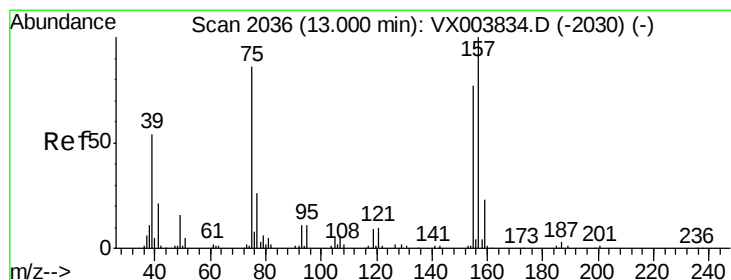
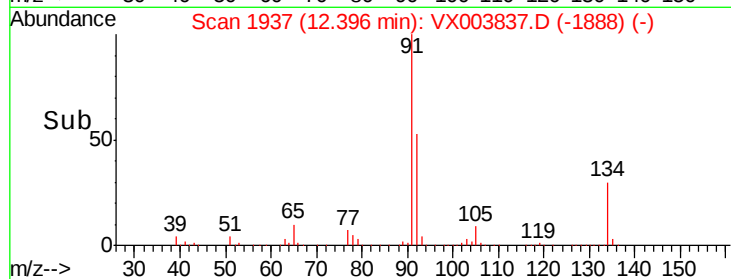
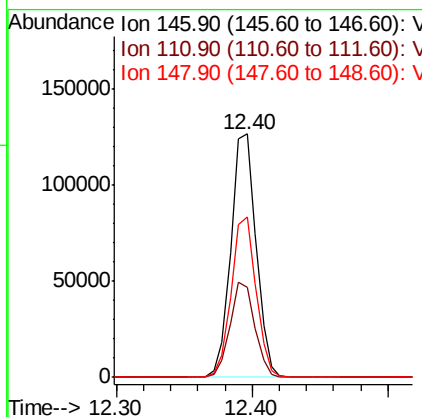
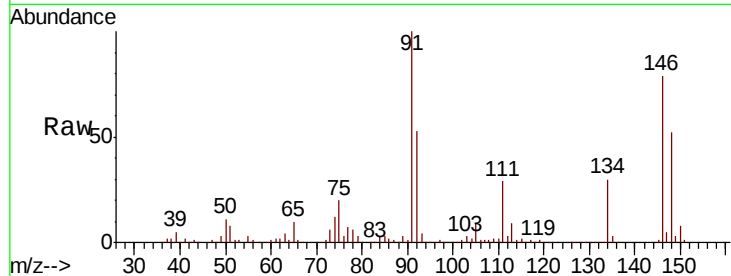
#91
 1,2-Dichlorobenzene
 Concen: 49.05 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080318

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	64.8	32.0	96.2

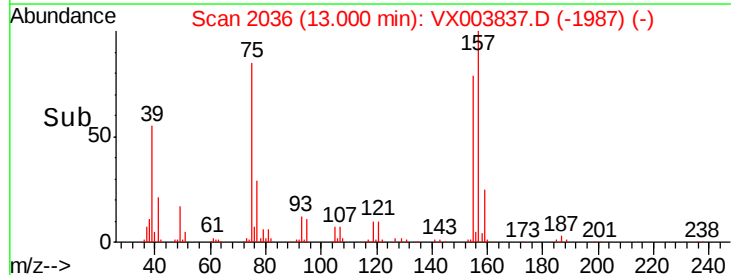
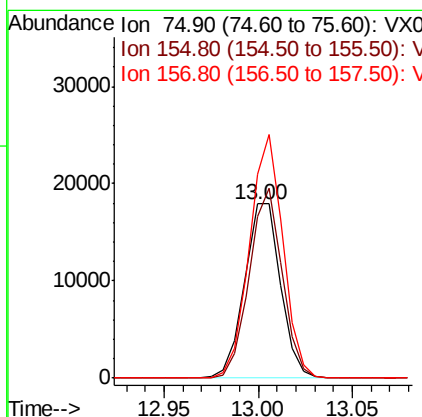
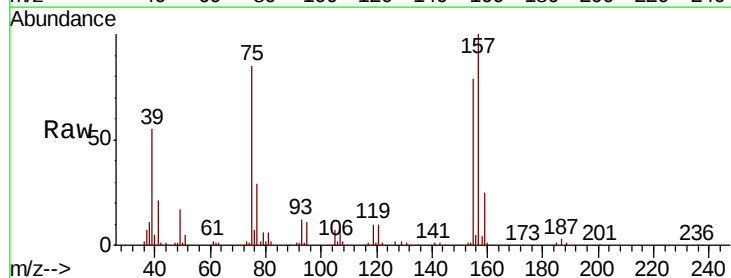
Manual Integrations
 APPROVED

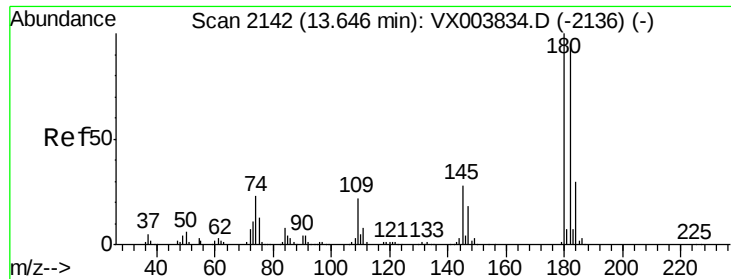
MMDadoda
 8/6/2018 1:36:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.93 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.8	49.5	148.3
157	129.4	64.5	193.5





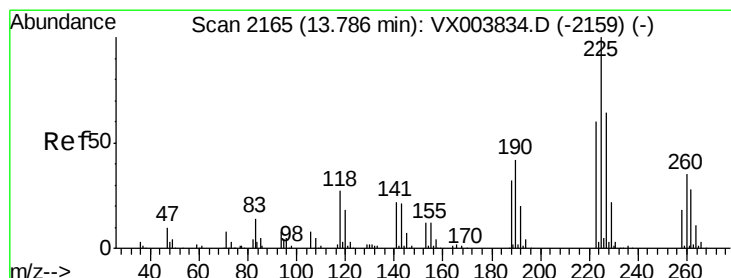
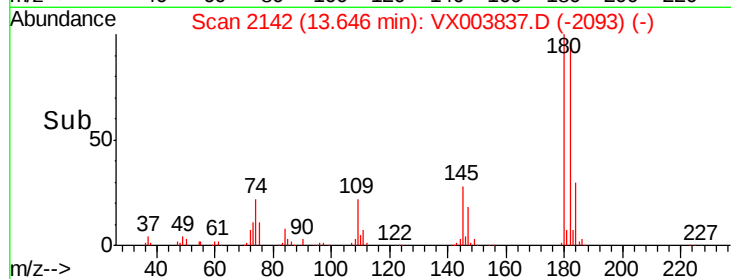
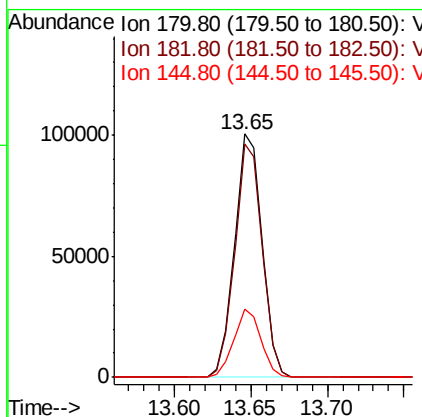
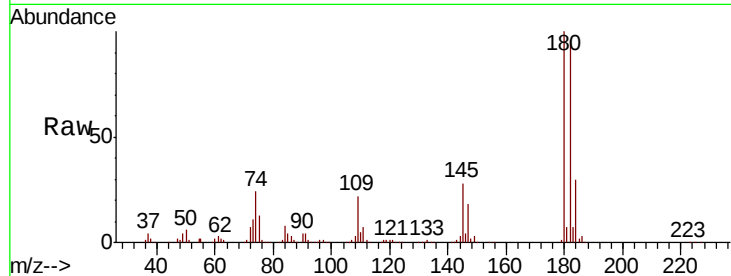
#93
 1,2,4-Trichlorobenzene
 Concen: 53.03 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX080318

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125123		
182	95.3	47.6	142.9	
145	27.6	13.8	41.3	

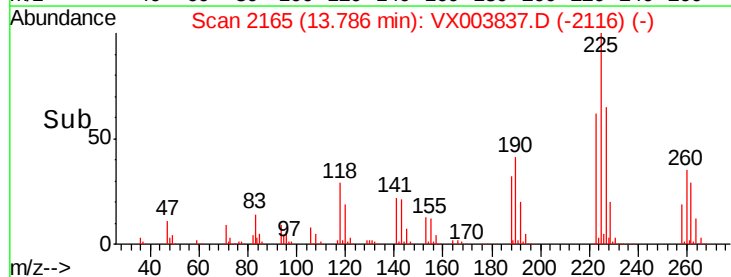
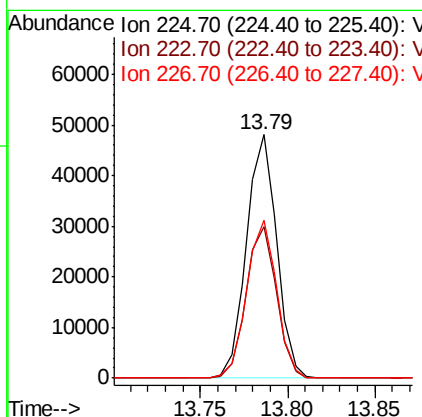
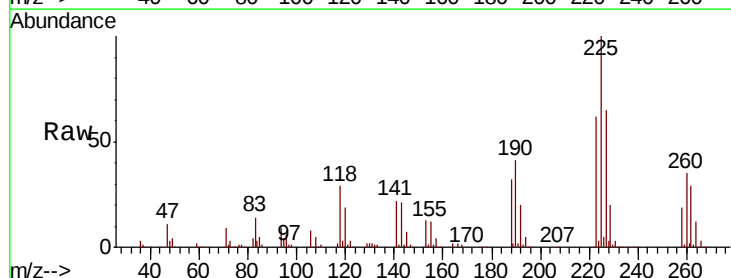
Manual Integrations
 APPROVED

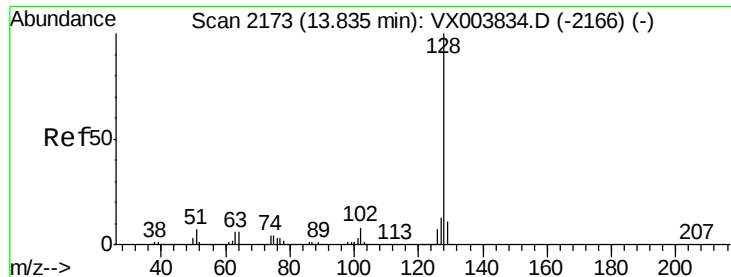
MMDadoda
 8/6/2018 1:36:01 PM



#94
 Hexachlorobutadiene
 Concen: 51.68 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003837.D
 Acq: 02 Aug 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57564		
223	62.8	30.4	91.3	
227	64.6	32.2	96.6	





#95

Naphthalene

Concen: 54.70 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Instrument :

MSVOA_X

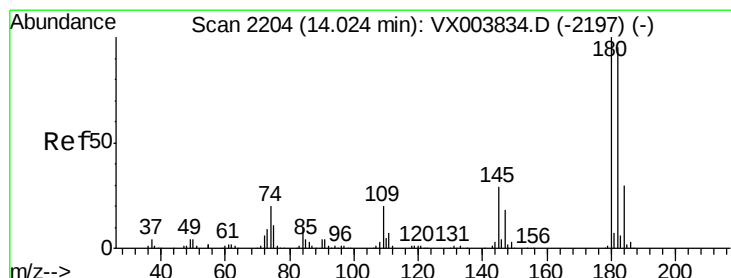
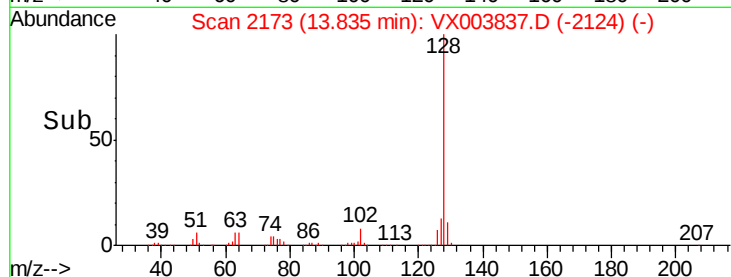
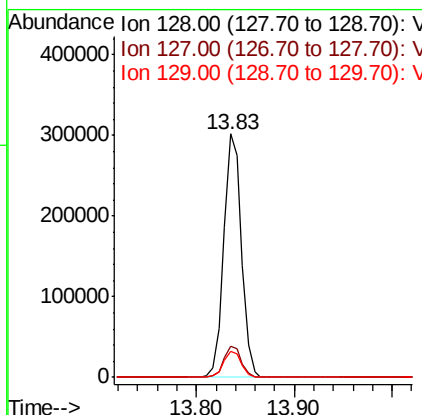
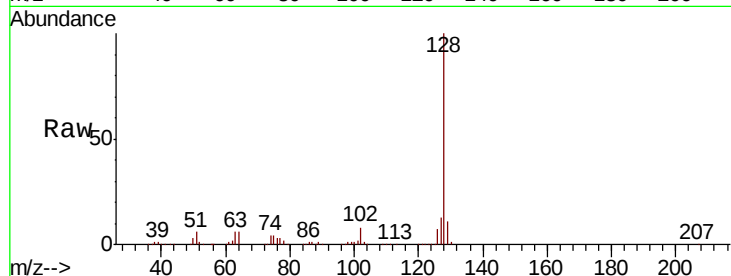
ClientSampleId :

ICVVX080318

Tot Ion:	128	Resp:	375852
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:36:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.05 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003837.D

Acq: 02 Aug 2018 21:36

Tgt Ion:	180	Resp:	127805
Ion Ratio		Lower	Upper
180	100		
182	95.6	47.8	143.4
145	29.4	14.6	44.0

