

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080318\
 Data File : VX003836.D
 Acq On : 02 Aug 2018 21:09
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 1:35:56 PM

Quant Time: Aug 03 01:51:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:37:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	107300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	151132	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	148883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	193990	121.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	243.12%	
35) Dibromofluoromethane	5.51	113	176127	142.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.26%	
50) Toluene-d8	8.72	98	672341	143.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.48%	
62) 4-Bromofluorobenzene	11.14	95	257316	150.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	161446	136.25	ug/l	99
3) Chloromethane	1.32	50	215581	132.05	ug/l	99
4) Vinyl Chloride	1.40	62	205340	128.09	ug/l	99
5) Bromomethane	1.63	94	78101	101.67	ug/l	99
6) Chloroethane	1.70	64	75985	79.51	ug/l	98
7) Trichlorofluoromethane	1.92	101	223925	109.50	ug/l	93
8) Diethyl Ether	2.19	74	110496	119.83	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	161549	129.70	ug/l	99
10) Methyl Iodide	2.50	142	241176	148.82	ug/l	100
11) Tert butyl alcohol	3.10	59	215681	577.02	ug/l	99
12) 1,1-Dichloroethene	2.36	96	155898	128.49	ug/l	99
13) Acrolein	2.29	56	180434	922.58	ug/l	98
14) Allyl chloride	2.72	41	273320	108.83	ug/l	99
15) Acrylonitrile	3.15	53	505616	558.44	ug/l	99
16) Acetone	2.45	43	482353	632.98	ug/l	100
17) Carbon Disulfide	2.56	76	451378	129.36	ug/l	100
18) Methyl Acetate	2.78	43	217881	98.87	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	518303	118.78	ug/l	100
20) Methylene Chloride	2.85	84	175749	119.56	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	166366	126.09	ug/l	96
22) Diisopropyl ether	3.88	45	537658	116.12	ug/l	95
23) Vinyl Acetate	3.82	43	2404091	605.21	ug/l	95
24) 1,1-Dichloroethane	3.69	63	301796	115.11	ug/l	98
25) 2-Butanone	4.71	43	861160	715.97	ug/l	100
26) 2,2-Dichloropropane	4.58	77	198883	120.76	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	196404	134.81	ug/l	97
28) Bromochloromethane	5.02	49	141568	129.16	ug/l	100
29) Tetrahydrofuran	5.17	42	443157	593.65	ug/l	97
30) Chloroform	5.22	83	310450	128.03	ug/l	99
31) Cyclohexane	5.57	56	286900	140.22	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	273892	137.98	ug/l	99
36) 1,1-Dichloropropene	5.80	75	241558	139.83	ug/l	99
37) Ethyl Acetate	4.87	43	265877	126.00	ug/l	99
38) Carbon Tetrachloride	5.78	117	247783	148.79	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:37:14 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	297643	161.81	ug/l	97
40) Benzene	6.14	78	729845	140.30	ug/l	100
41) Methacrylonitrile	5.07	41	148528	127.18	ug/l	99
42) 1,2-Dichloroethane	6.20	62	241085	131.82	ug/l	100
43) Isopropyl Acetate	6.47	43	428051	139.21	ug/l	99
44) Trichloroethene	7.21	130	201273	144.72	ug/l	100
45) 1,2-Dichloropropane	7.52	63	195633	145.05	ug/l	99
46) Dibromomethane	7.67	93	122889	140.86	ug/l	100
47) Bromodichloromethane	7.90	83	240183	147.42	ug/l	100
48) Methyl methacrylate	7.78	41	220135	141.05	ug/l	99
49) 1,4-Dioxane	7.76	88	100686	2872.17	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1784897	824.10	ug/l	98
52) Toluene	8.79	92	468153	144.77	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	279651	154.99	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	295119	149.03	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	189083	141.78	ug/l	99
56) Ethyl methacrylate	9.18	69	309435	156.73	ug/l	99
57) 1,3-Dichloropropane	9.38	76	311381	139.29	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	754338	756.33	ug/l	99
59) 2-Hexanone	9.51	43	1396729	841.67	ug/l	99
60) Dibromochloromethane	9.59	129	206193	162.18	ug/l	100
61) 1,2-Dibromoethane	9.68	107	202822	145.68	ug/l	100
64) Tetrachloroethene	9.34	164	194787	145.32	ug/l	99
65) Chlorobenzene	10.14	112	536077	143.43	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	199038	152.48	ug/l	99
67) Ethyl Benzene	10.26	91	918995	148.66	ug/l	100
68) m/p-Xylenes	10.36	106	726902	305.88	ug/l	98
69) o-Xylene	10.70	106	352723	153.42	ug/l	99
70) Styrene	10.71	104	601899	155.68	ug/l	100
71) Bromoform	10.86	173	182486	175.44	ug/l #	100
73) Isopropylbenzene	11.02	105	936035	142.77	ug/l	100
74) N-amyl acetate	6.47	43	428051	124.55	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	320553	130.56	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	271301m	132.42	ug/l	
77) Bromobenzene	11.26	156	260403	142.95	ug/l	99
78) n-propylbenzene	11.37	91	1084687	143.82	ug/l	100
79) 2-Chlorotoluene	11.43	91	635597	137.09	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	820892	147.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	102740	156.20	ug/l	95
82) 4-Chlorotoluene	11.51	91	765617	140.28	ug/l	99
83) tert-Butylbenzene	11.77	119	825716	151.54	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	848248	147.71	ug/l	99
85) sec-Butylbenzene	11.95	105	964981	150.23	ug/l	100
86) p-Isopropyltoluene	12.07	119	891467	153.84	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	489364	145.06	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	499232	142.24	ug/l	100
89) n-Butylbenzene	12.39	91	790222	152.54	ug/l	99
90) Hexachloroethane	12.60	117	148974	167.03	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	503870	145.80	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	74959	145.85	ug/l	98

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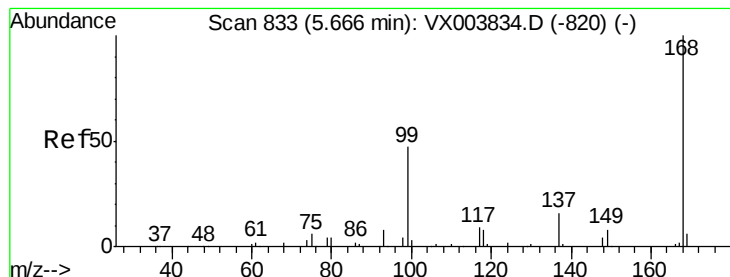
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	390967	158.59	ug/l	100
94) Hexachlorobutadiene	13.79	225	175408	157.67	ug/l	99
95) Naphthalene	13.83	128	1146320	153.78	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	389429	155.24	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 107300

Ion Ratio Lower Upper

168 100

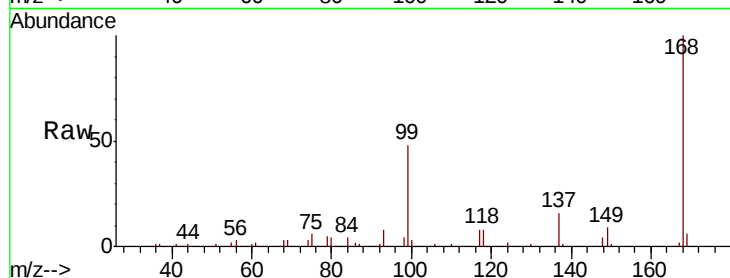
99 48.4 38.1 57.1

Manual Integrations

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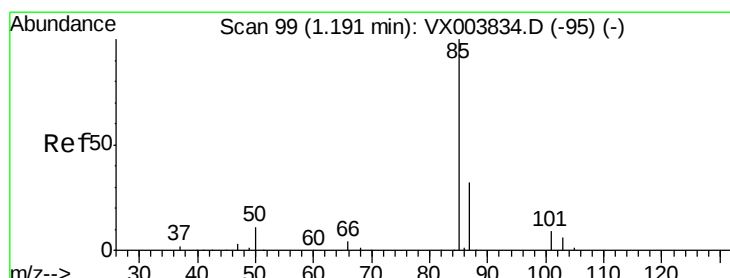
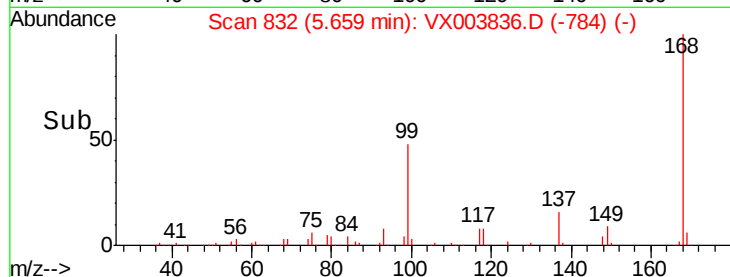


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 136.25 ug/l

RT: 1.19 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX003836.D

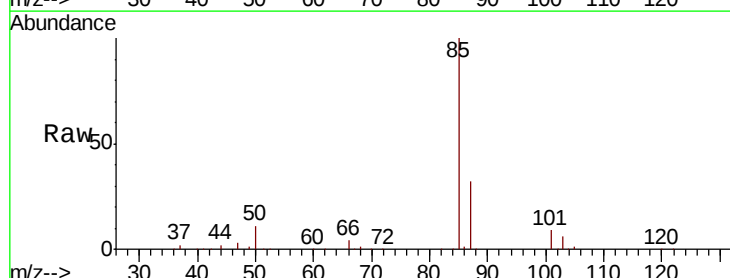
Acq: 02 Aug 2018 21:09

Tgt Ion: 85 Resp: 161446

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5

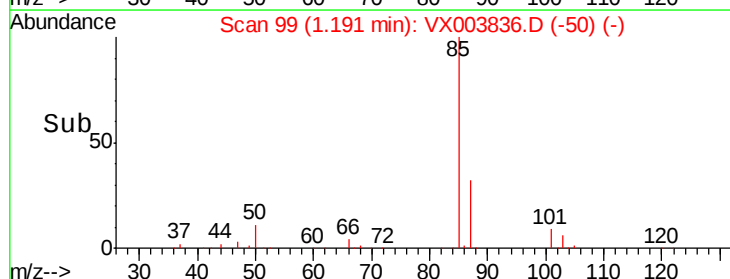


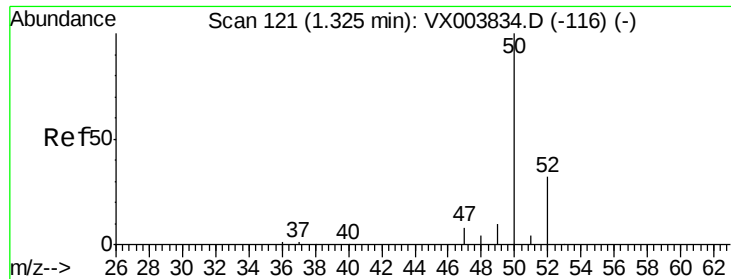
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 132.05 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 215581

Ion Ratio Lower Upper

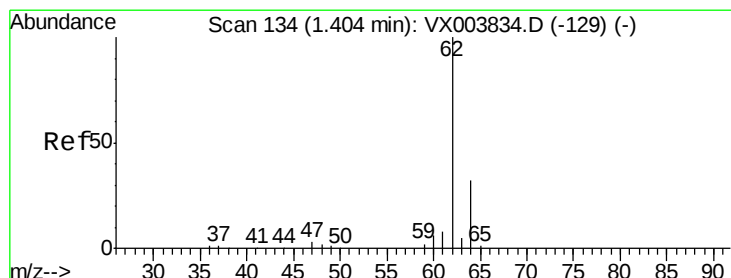
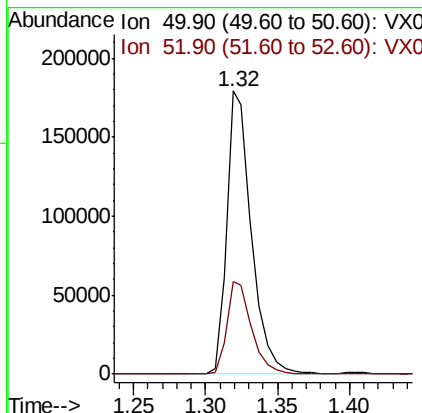
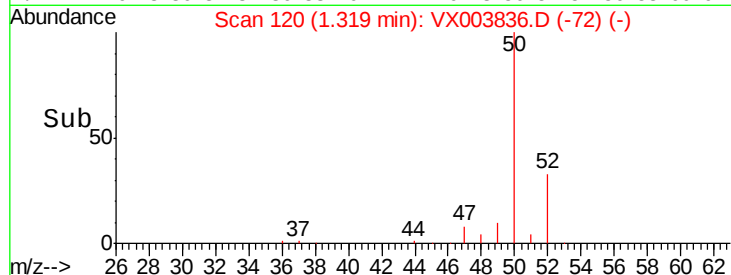
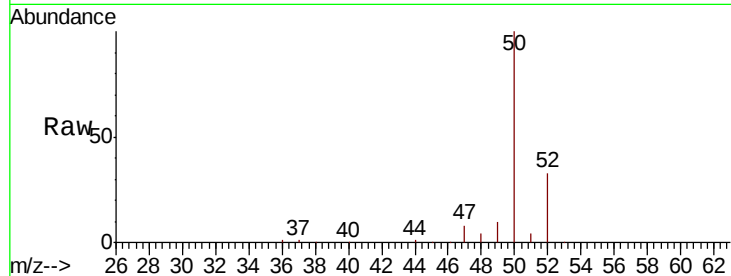
50 100

52 32.6 25.8 38.8

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#4

Vinyl Chloride

Concen: 128.09 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003836.D

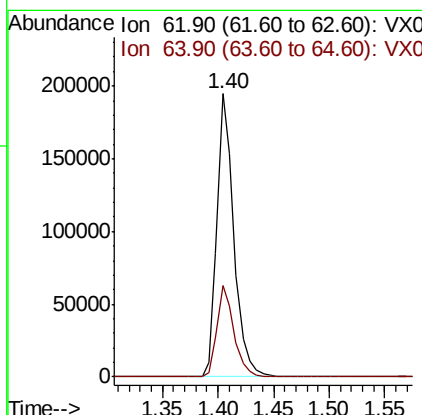
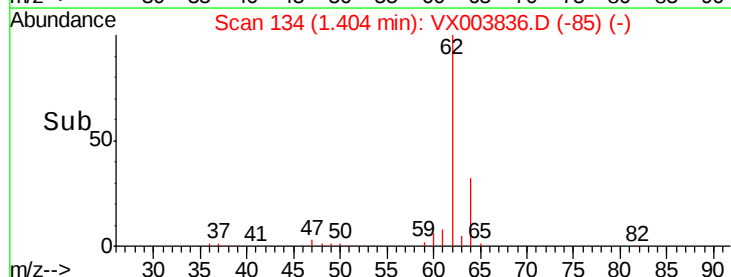
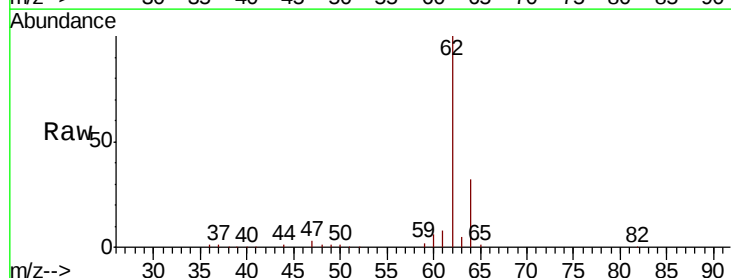
Acq: 02 Aug 2018 21:09

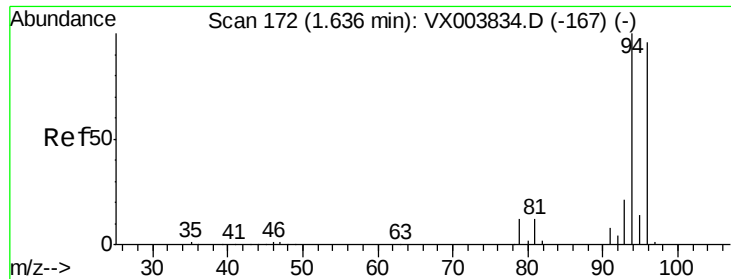
Tgt Ion: 62 Resp: 205340

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 101.67 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 78101

Ion Ratio Lower Upper

94 100

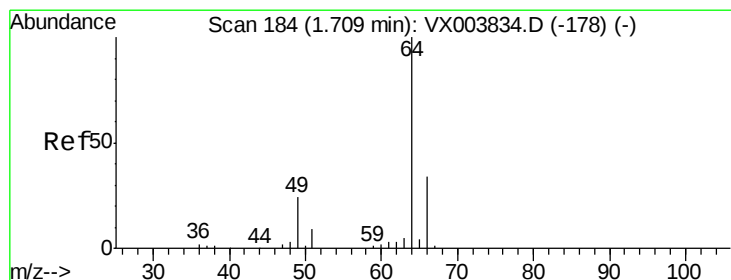
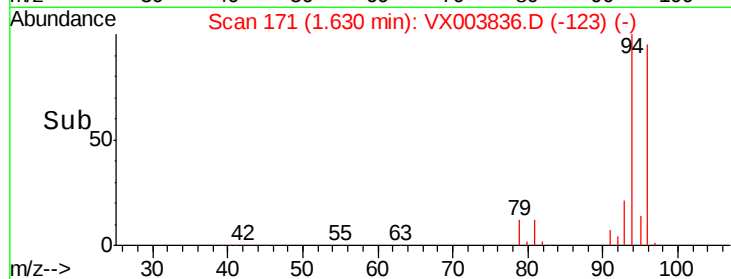
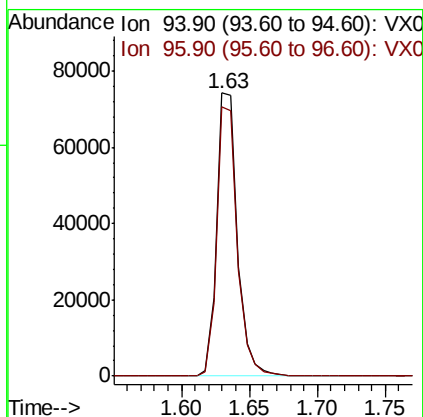
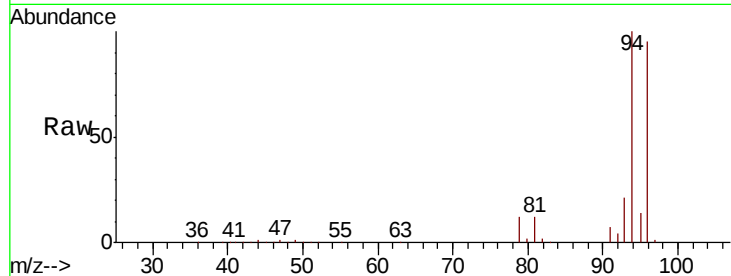
96 94.9 76.9 115.3

Manual Integrations

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#6

Chloroethane

Concen: 79.51 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX003836.D

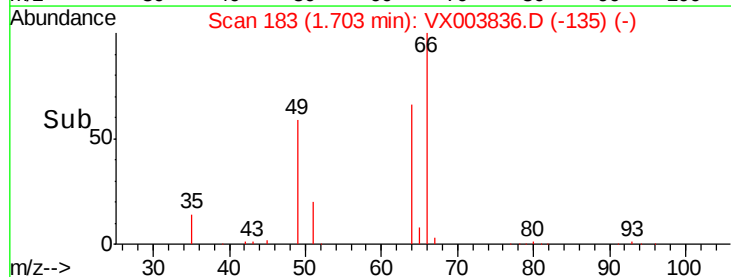
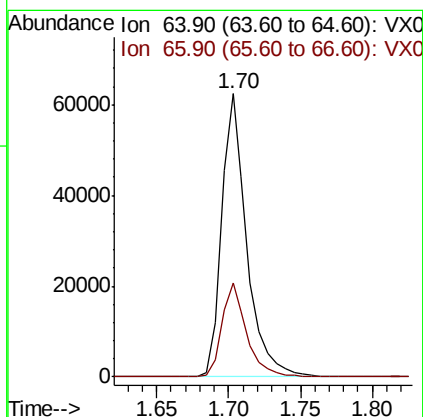
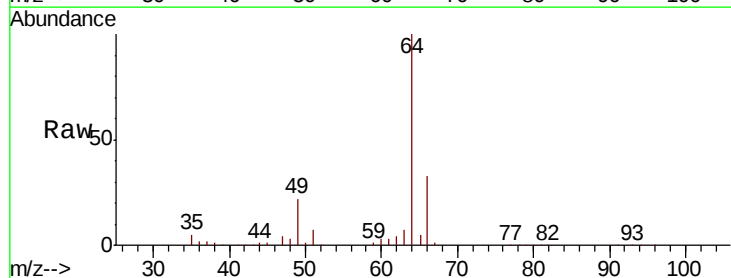
Acq: 02 Aug 2018 21:09

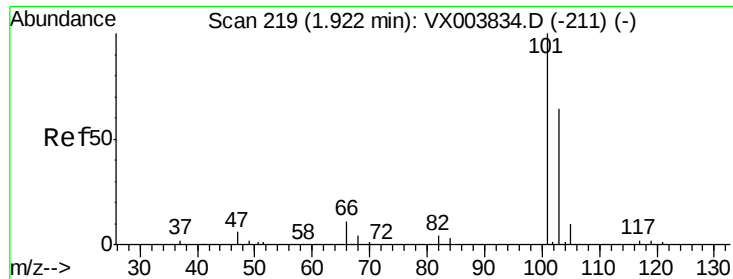
Tgt Ion: 64 Resp: 75985

Ion Ratio Lower Upper

64 100

66 33.1 27.2 40.8





#7

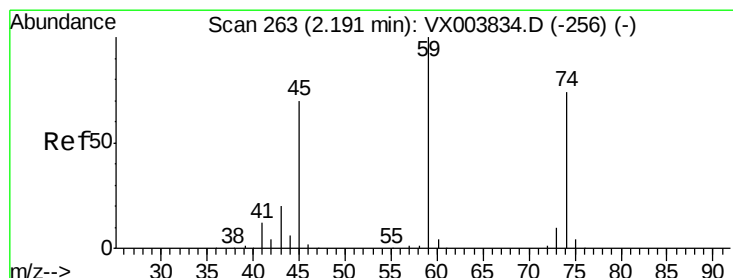
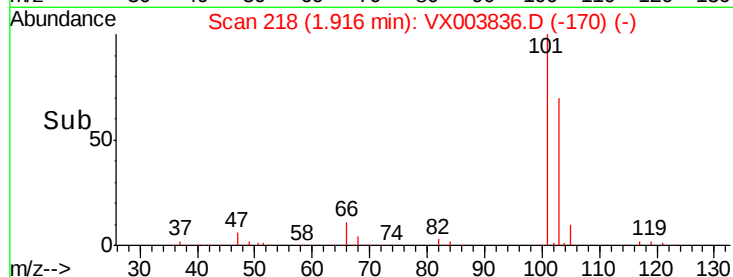
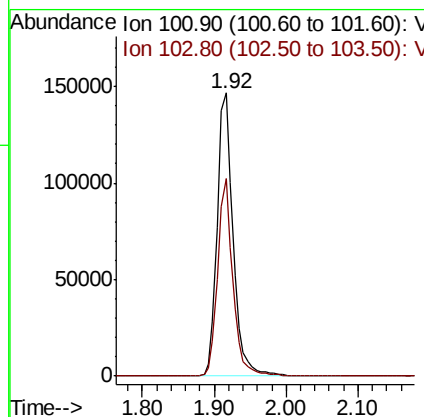
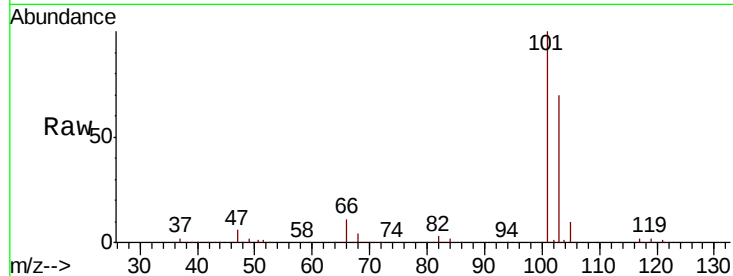
Trichlorofluoromethane
 Concen: 109.50 ug/l
 RT: 1.92 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

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 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		223925		
103	69.7	51.4	77.0		

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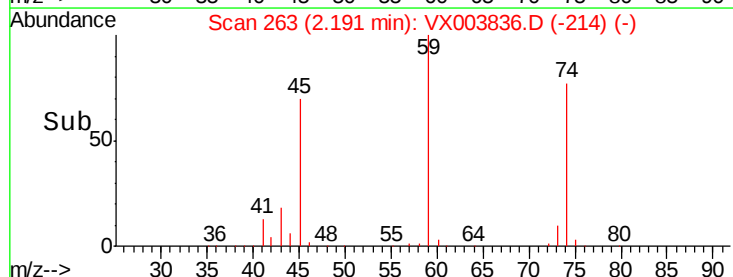
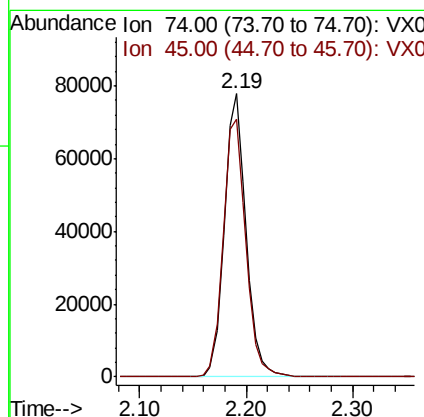
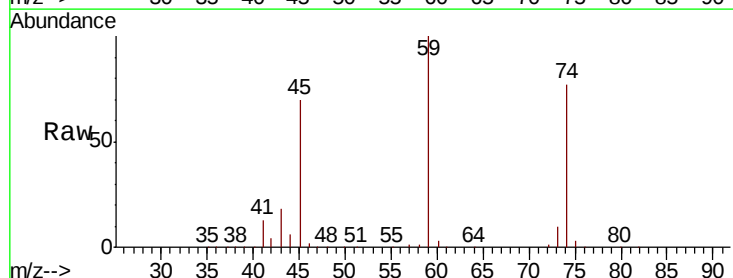
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 8/6/2018 1:35:56 PM

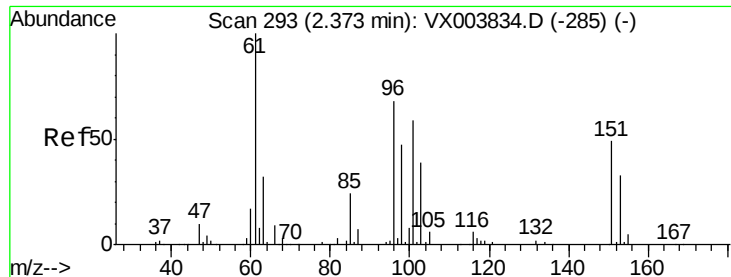


#8

Diethyl Ether
 Concen: 119.83 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		110496		
45	95.7	48.4	145.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 129.70 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

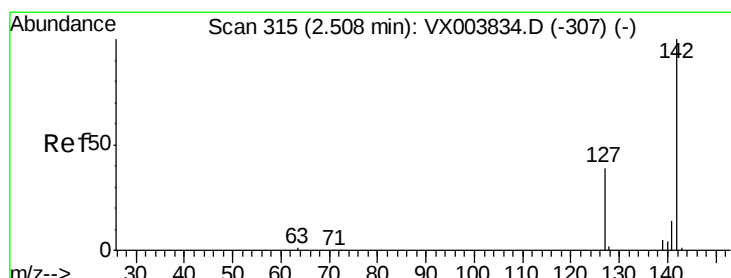
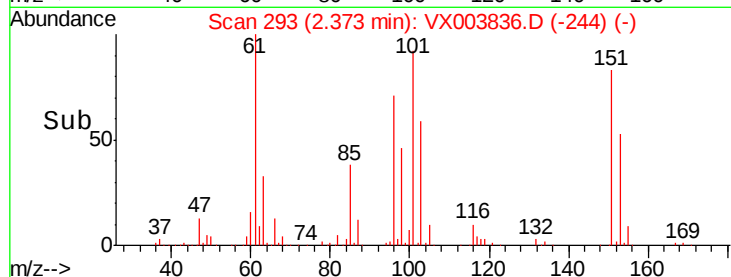
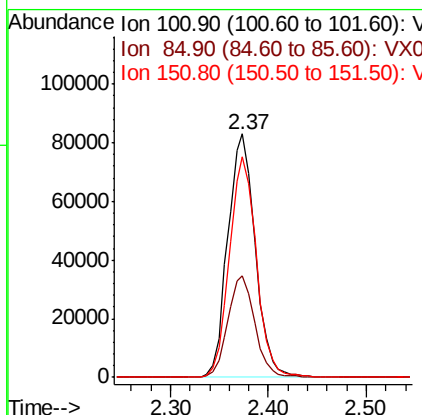
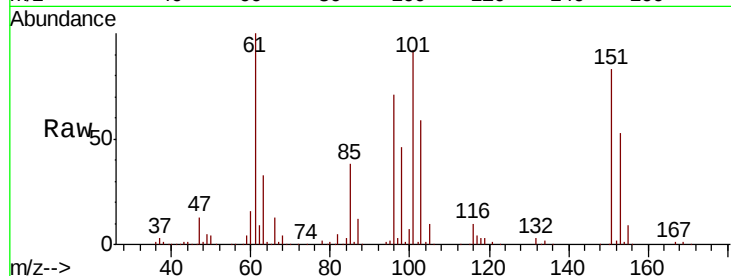
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	161549
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.6	50.4
151	88.9	71.0	106.4

Manual Integrations
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#10

Methyl Iodide

Concen: 148.82 ug/l

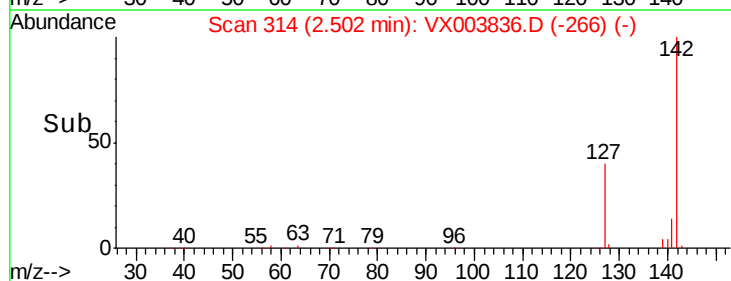
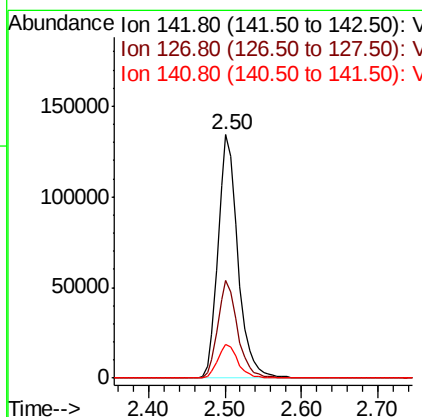
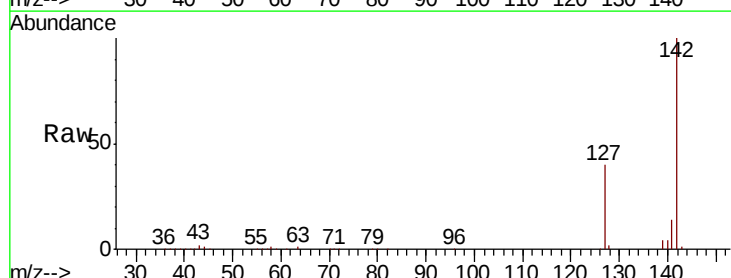
RT: 2.50 min Scan# 314

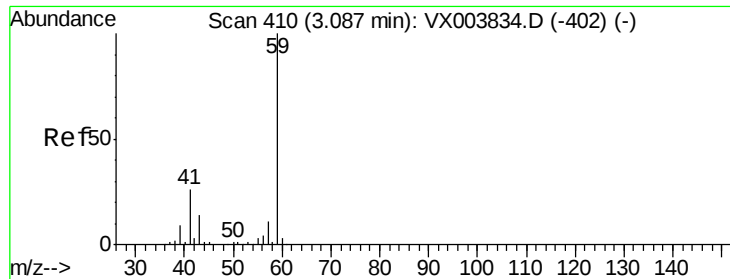
Delta R.T. -0.01 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Tgt Ion:	142	Resp:	241176
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.8	47.8
141	14.2	11.3	16.9





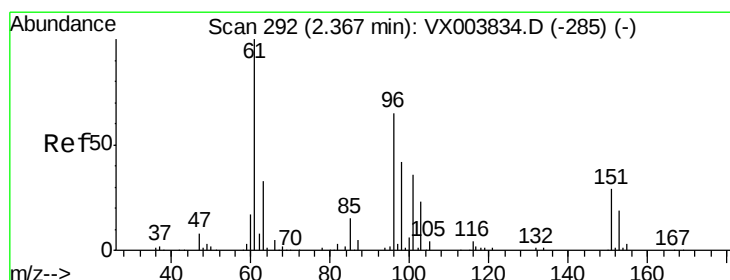
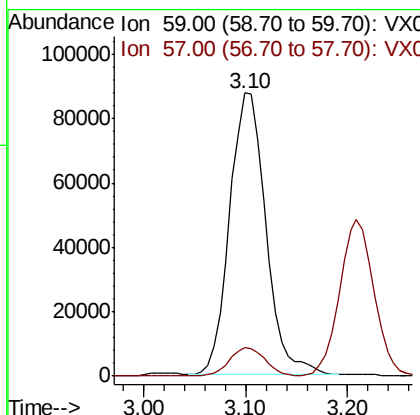
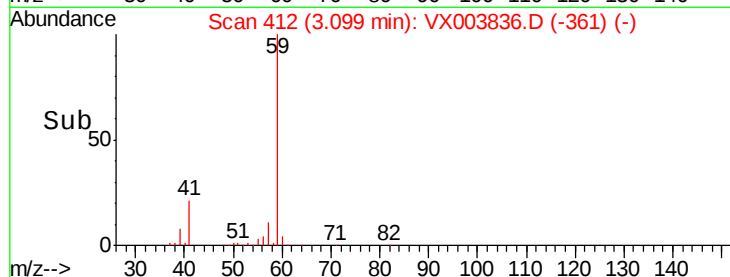
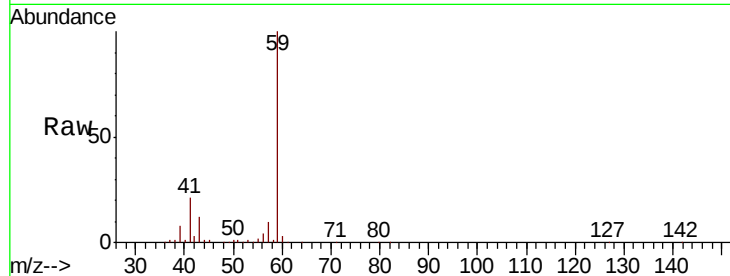
#11
Tert butyl alcohol
Concen: 577.02 ug/l
RT: 3.10 min Scan# 412
Delta R.T. 0.01 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 215681
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4

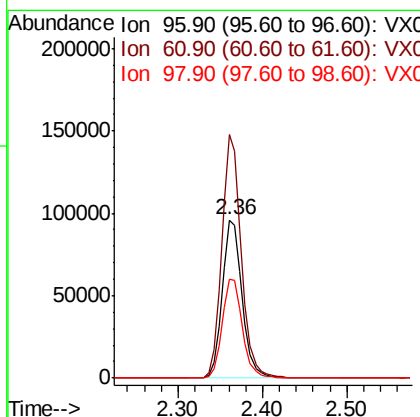
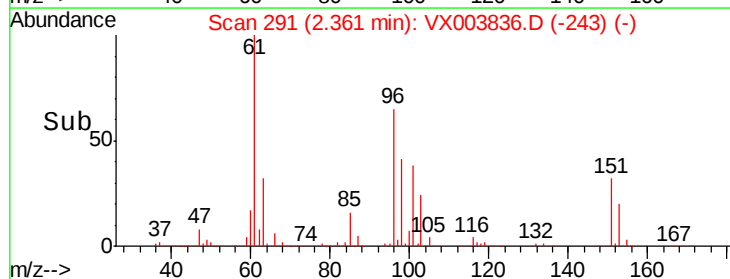
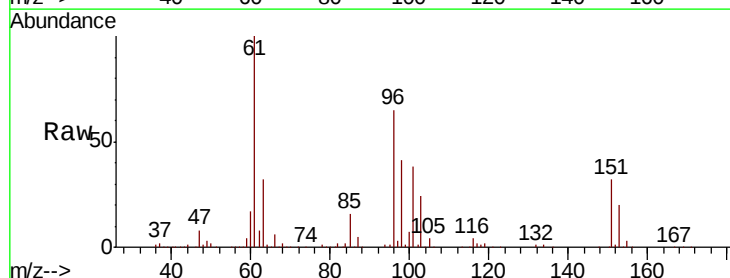
Manual Integrations
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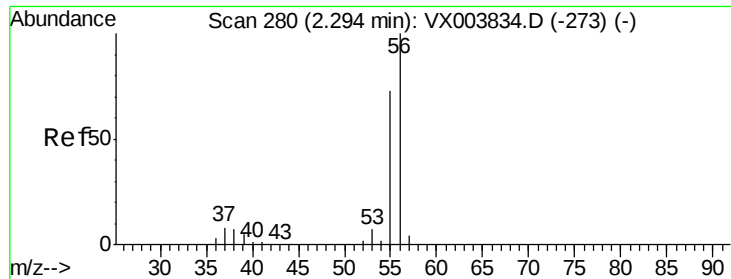
MMDadoda
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#12
1,1-Dichloroethene
Concen: 128.49 ug/l
RT: 2.36 min Scan# 291
Delta R.T. -0.01 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion: 96 Resp: 155898
Ion Ratio Lower Upper
96 100
61 154.0 122.8 184.2
98 63.0 51.8 77.8





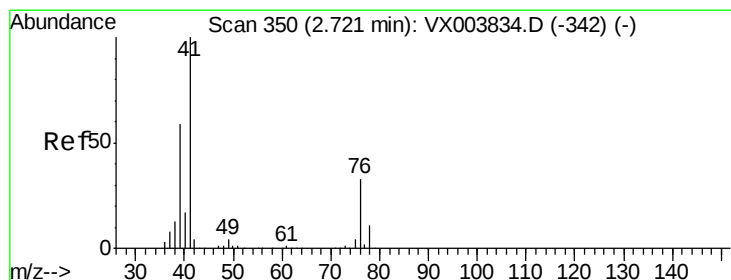
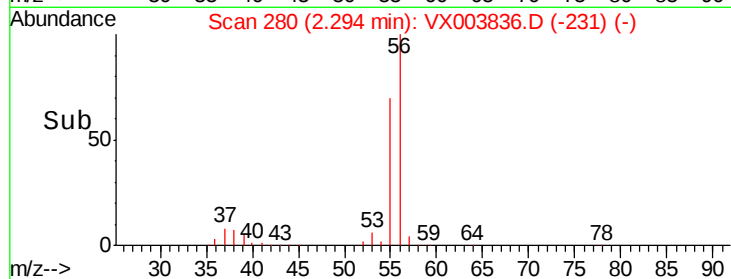
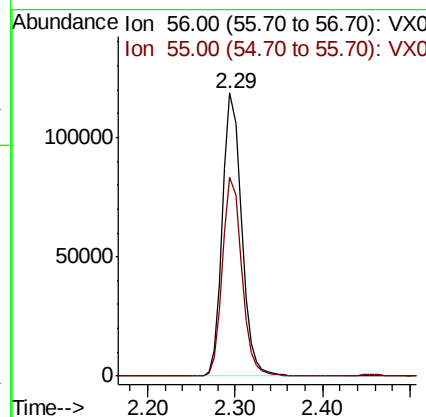
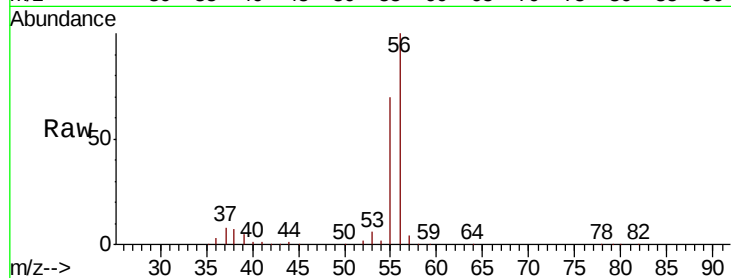
#13
Acrolein
Concen: 922.58 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	56	Resp	180434
Ion Ratio	100	Lower	Upper
56	100		
55	70.8	57.7	86.5

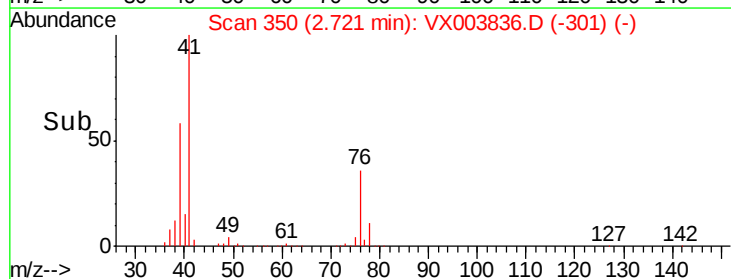
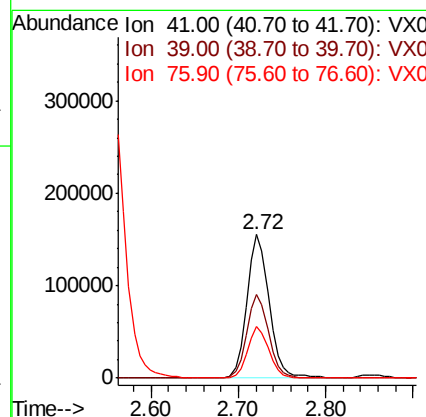
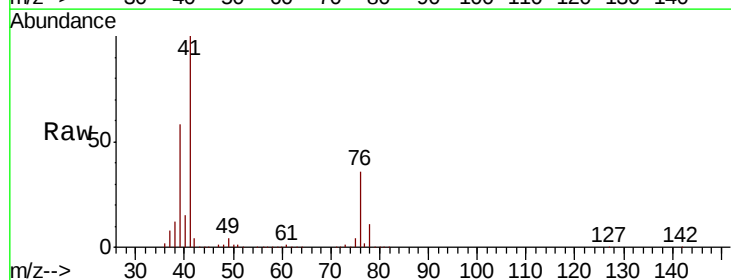
Manual Integrations
APPROVED

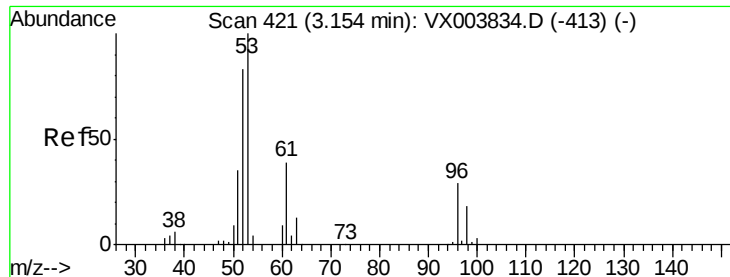
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#14
Allyl chloride
Concen: 108.83 ug/l
RT: 2.72 min Scan# 350
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion	41	Resp	273320
Ion Ratio	100	Lower	Upper
41	100		
39	57.4	46.1	69.1
76	34.6	26.8	40.2





#15

Acrylonitrile

Concen: 558.44 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

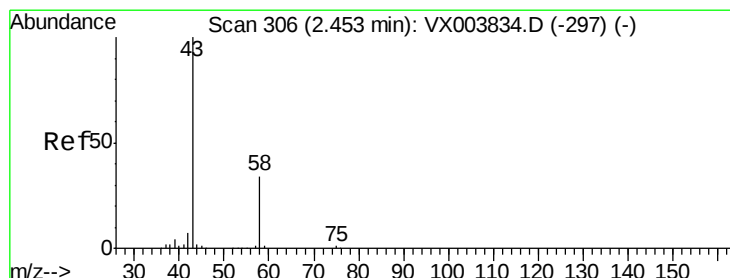
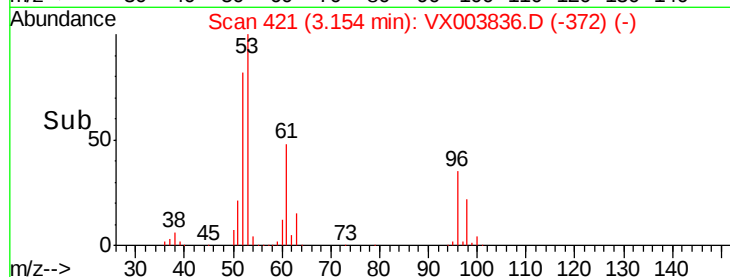
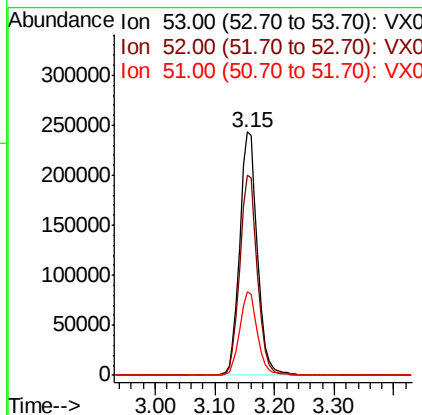
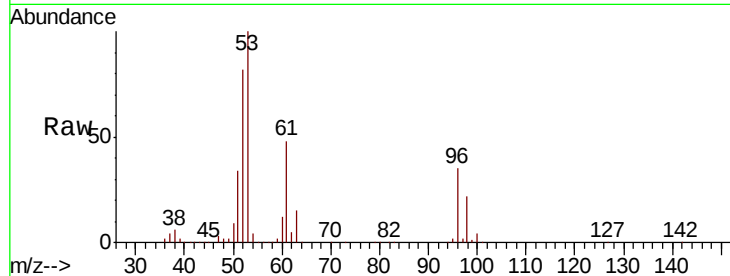
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	505616
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.9	98.9
51	34.7	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 632.98 ug/l

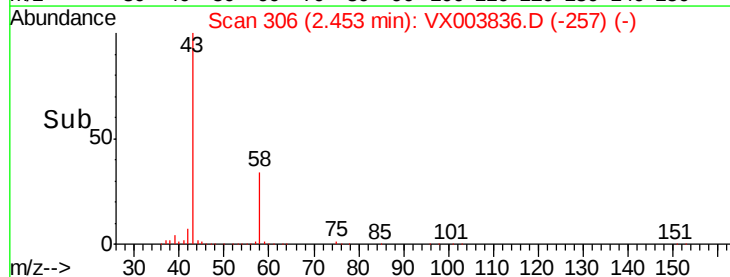
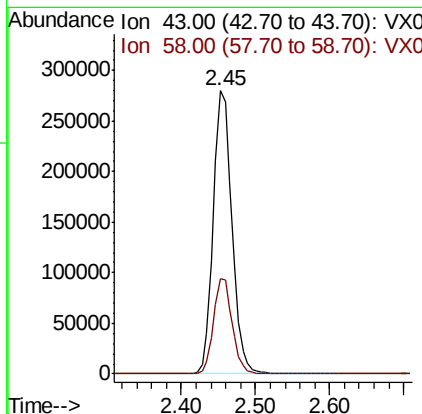
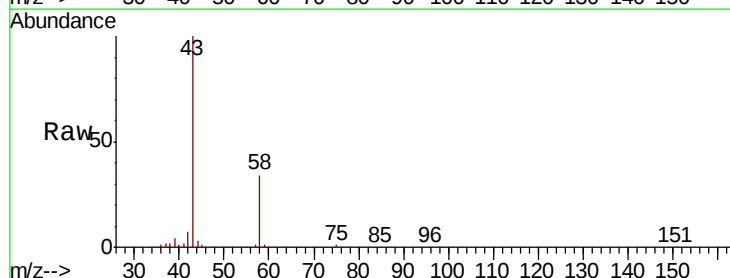
RT: 2.45 min Scan# 306

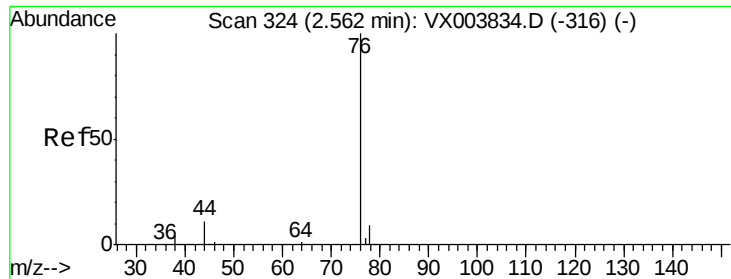
Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Tgt Ion:	43	Resp:	482353
Ion Ratio	Lower	Upper	
43	100		
58	33.6	27.0	40.4





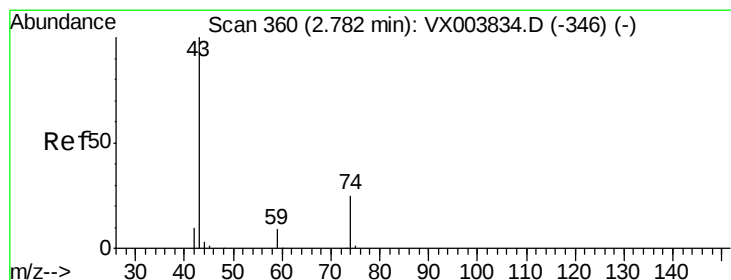
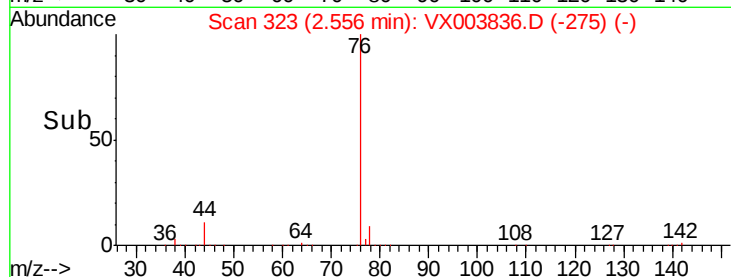
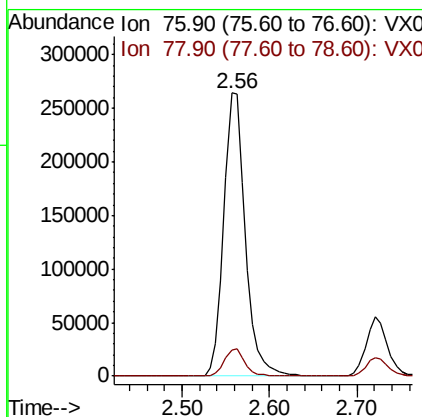
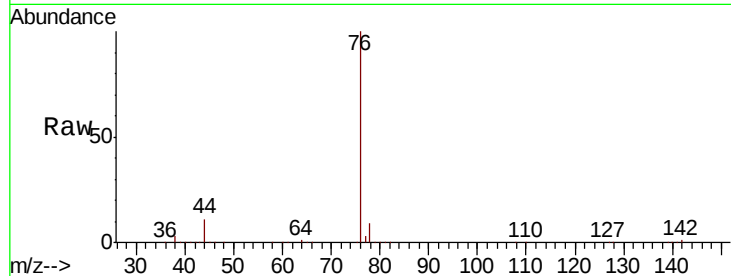
#17
Carbon Disulfide
Concen: 129.36 ug/l
RT: 2.56 min Scan# 323
Delta R.T. -0.01 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

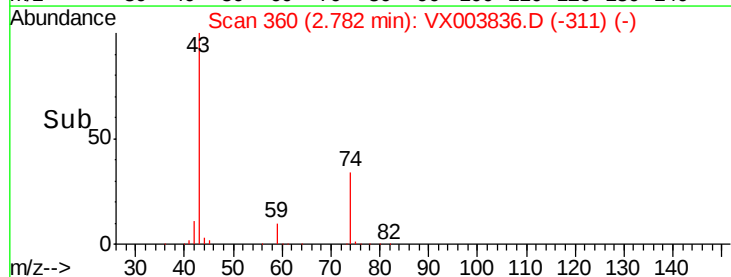
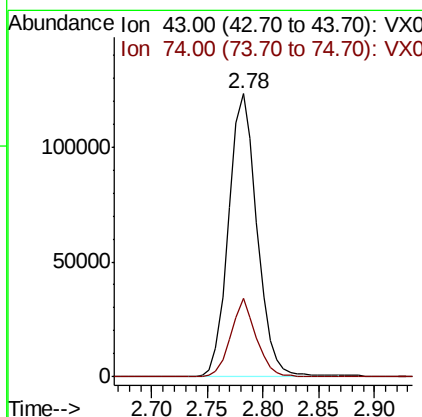
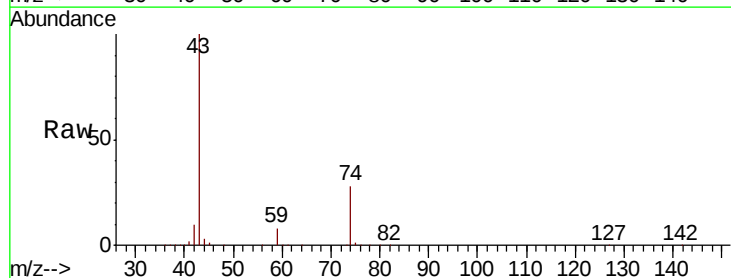
Manual Integrations
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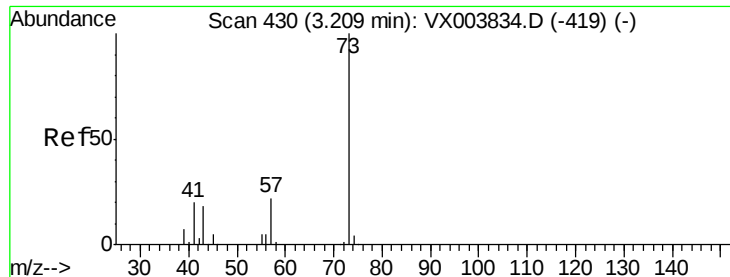
MMDadoda
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#18
Methyl Acetate
Concen: 98.87 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.2	28.8





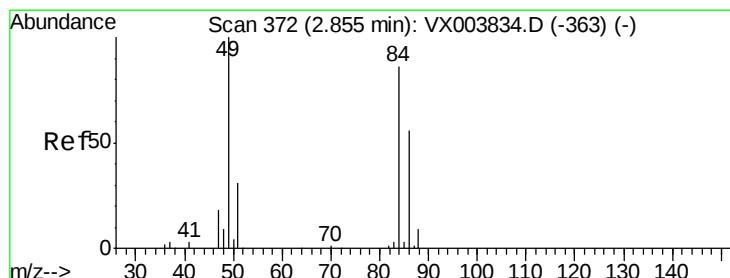
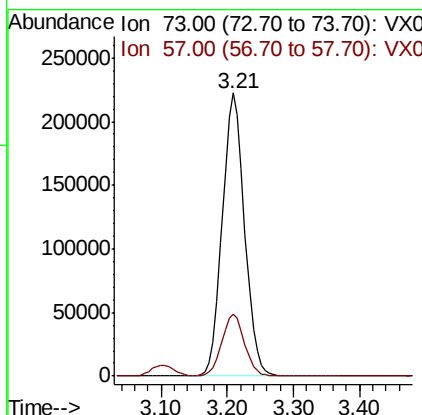
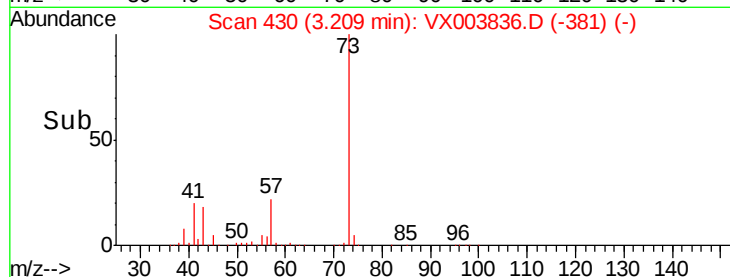
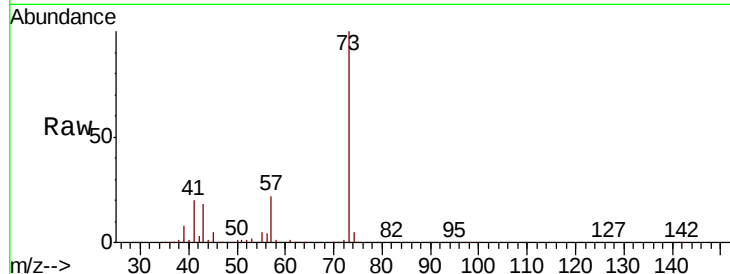
#19
Methyl tert-butyl Ether
Concen: 118.78 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.5	26.3

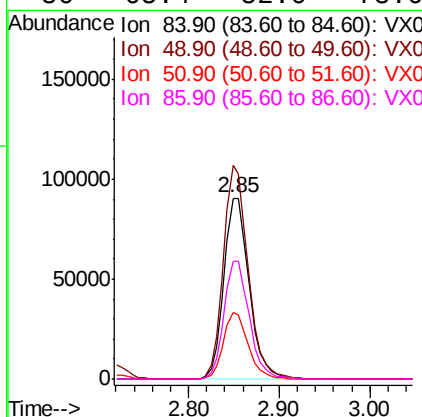
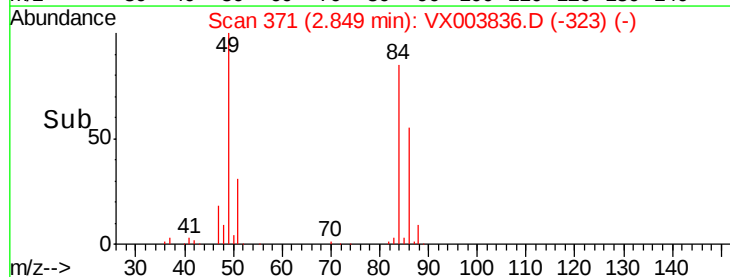
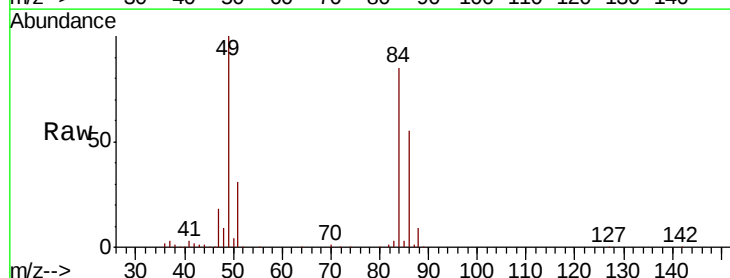
Manual Integrations
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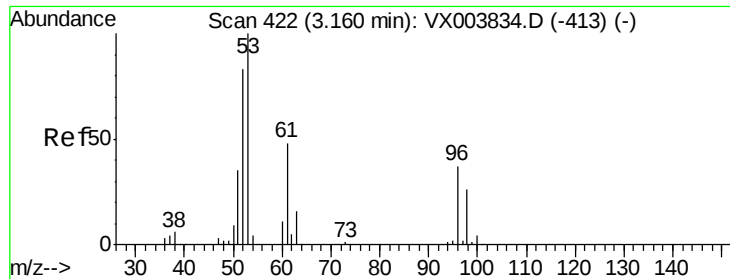
MMDadoda
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#20
Methylene Chloride
Concen: 119.56 ug/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.1	93.2	139.8
51	36.7	29.2	43.8
86	65.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 126.09 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

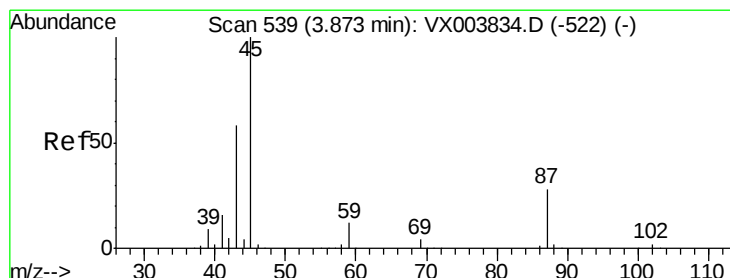
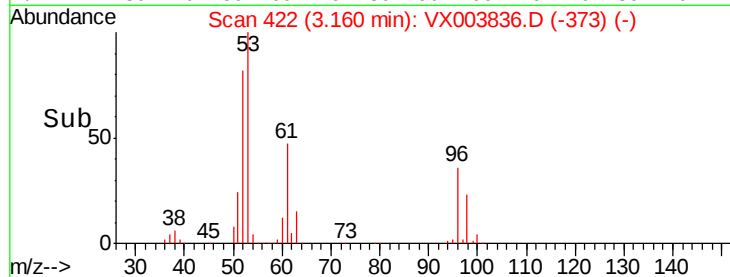
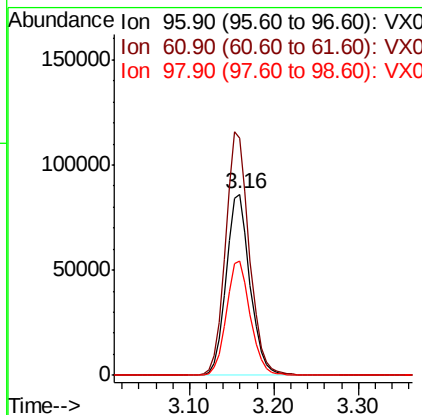
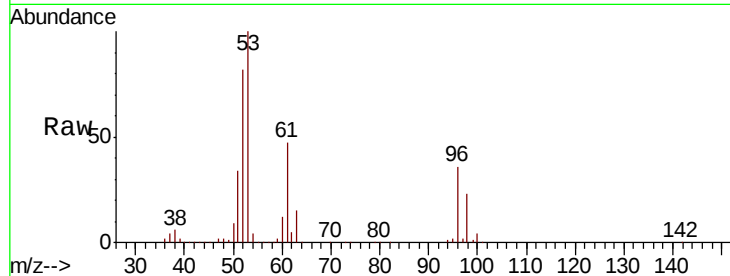
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	166366
Ion	Ratio	Lower	Upper
96	100		
61	131.2	104.2	156.4
98	63.5	57.0	85.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 116.12 ug/l

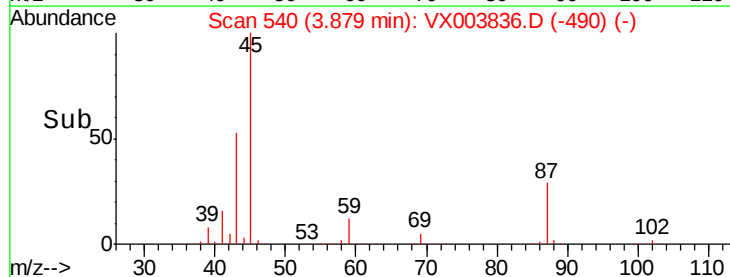
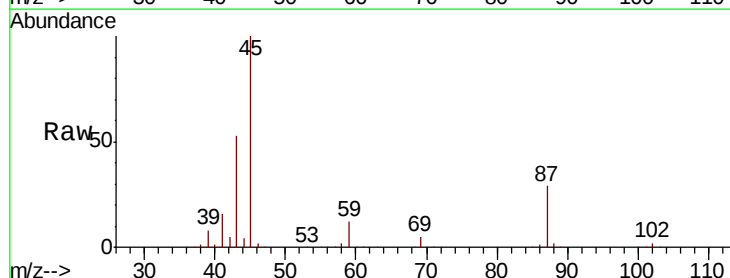
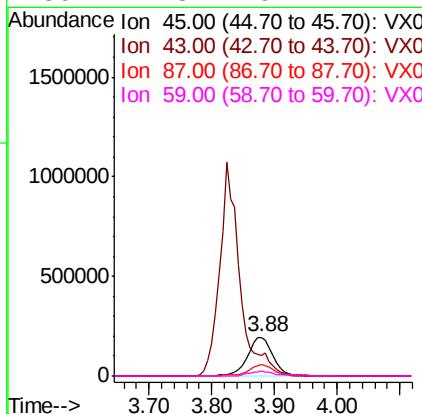
RT: 3.88 min Scan# 540

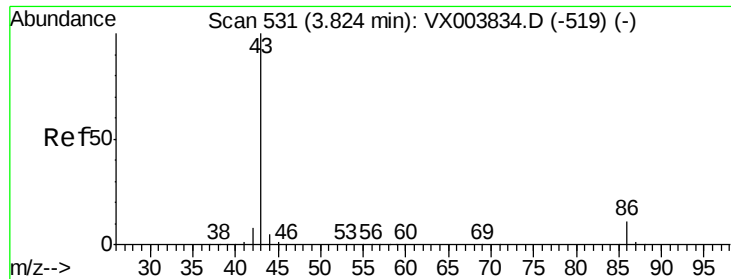
Delta R.T. 0.01 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Tgt Ion:	45	Resp:	537658
Ion	Ratio	Lower	Upper
45	100		
43	53.0	46.4	69.6
87	29.5	22.4	33.6
59	11.8	9.4	14.2





#23

Vinyl Acetate

Concen: 605.21 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2404091

Ion Ratio Lower Upper

43 100

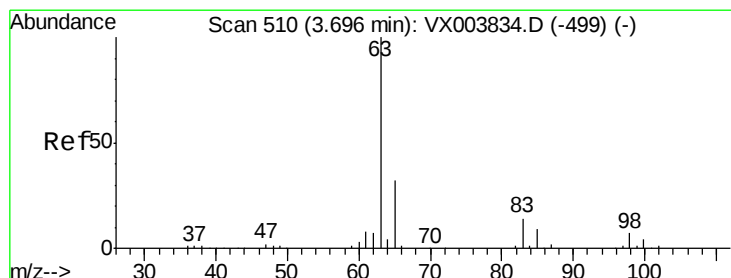
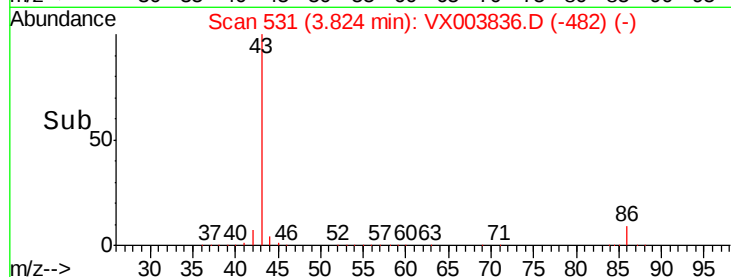
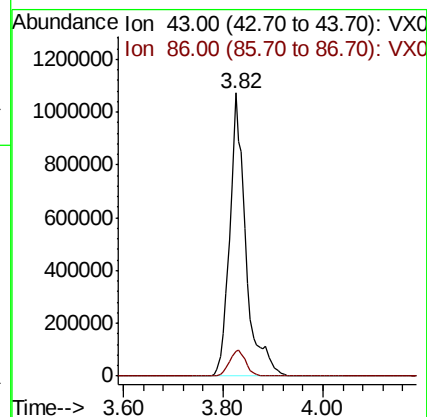
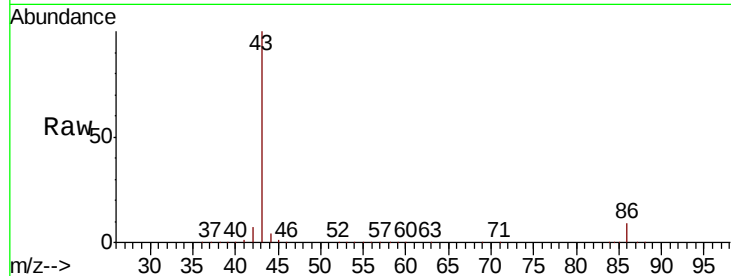
86 8.9 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 115.11 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

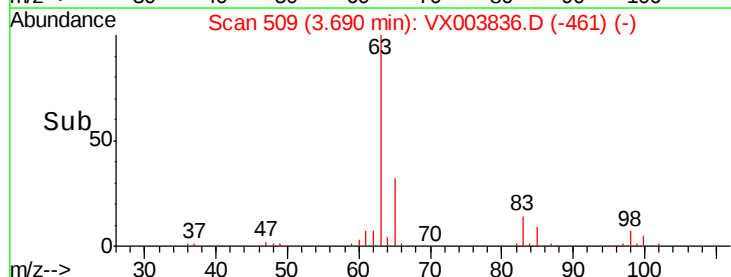
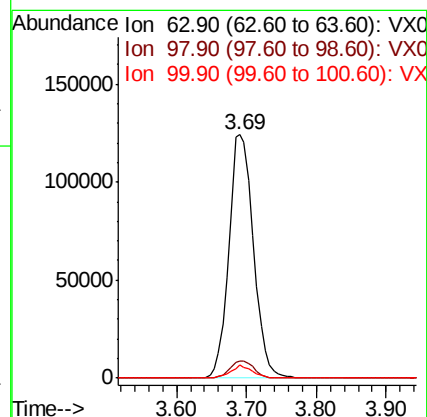
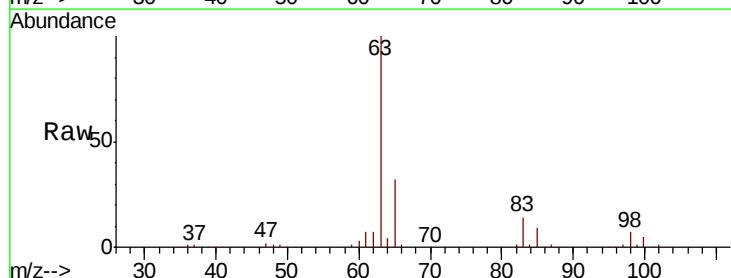
Tgt Ion: 63 Resp: 301796

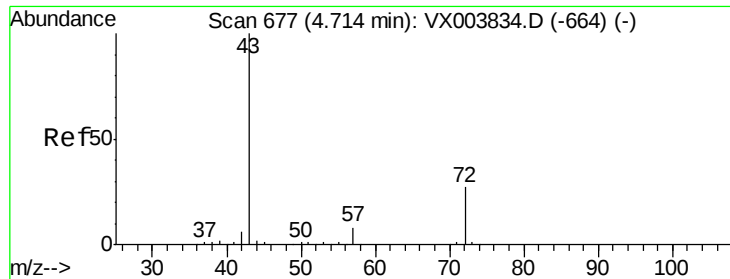
Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.9

100 5.3 2.3 6.8





#25

2-Butanone

Concen: 715.97 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 861160

Ion Ratio Lower Upper

43 100

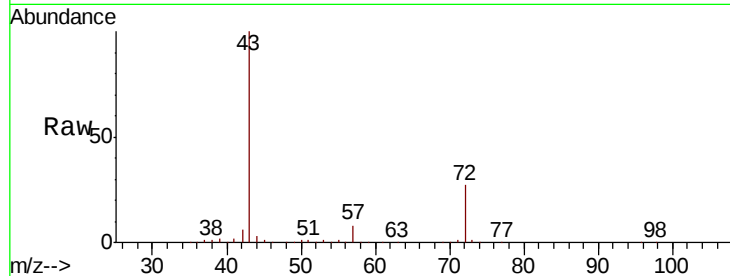
72 27.0 21.5 32.3

Manual Integrations

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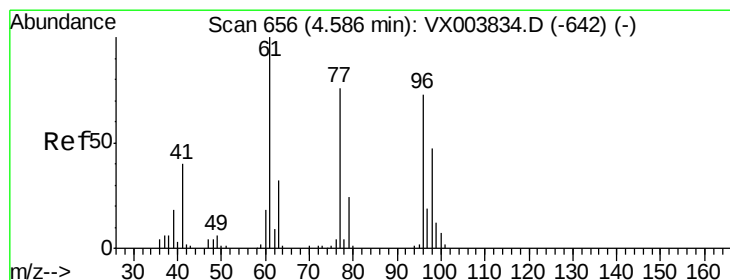
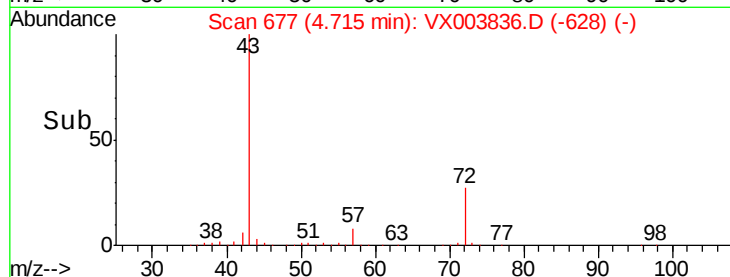
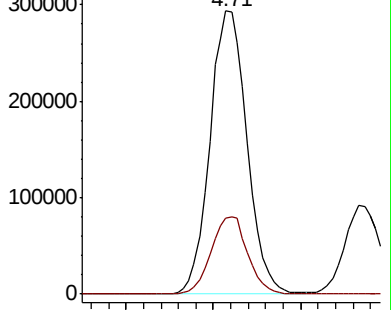
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 120.76 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003836.D

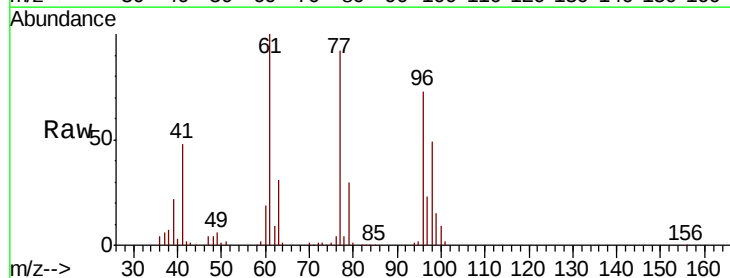
Acq: 02 Aug 2018 21:09

Tgt Ion: 77 Resp: 198883

Ion Ratio Lower Upper

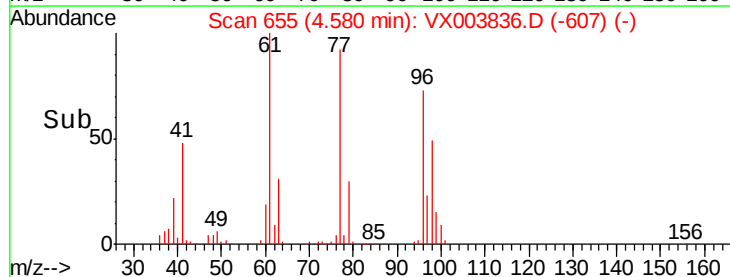
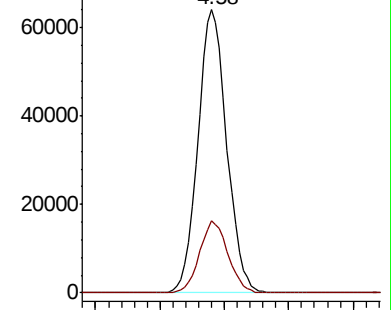
77 100

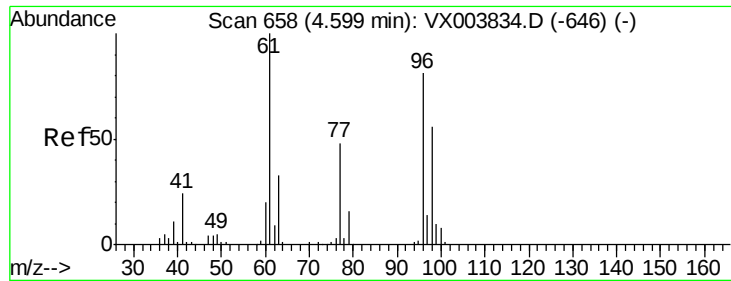
97 25.1 12.8 38.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

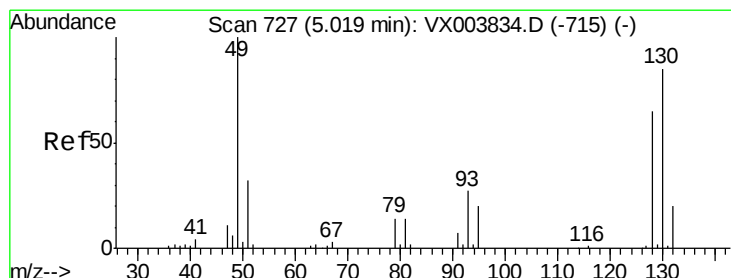
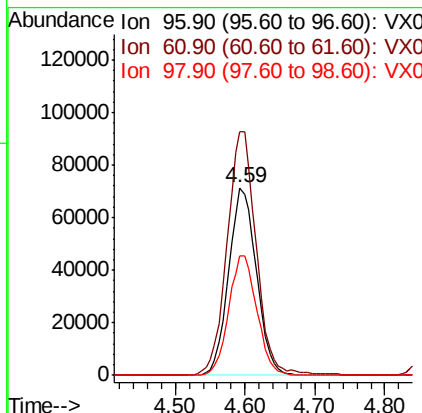
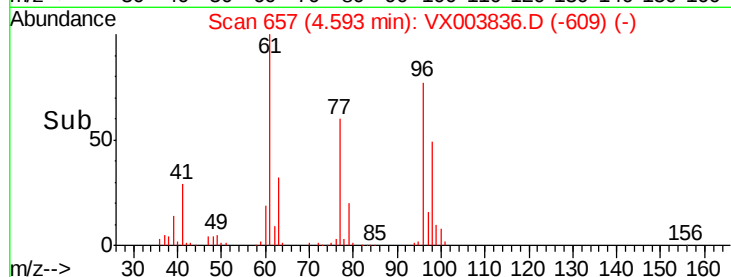
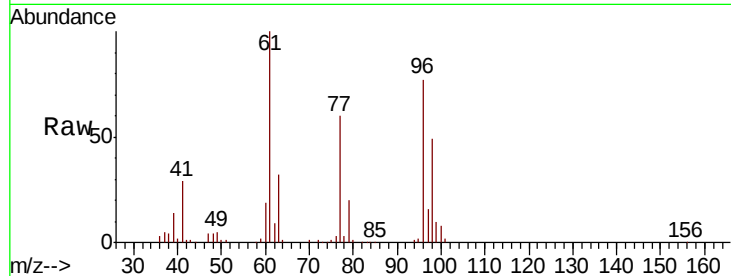
cis-1,2-Dichloroethene
 Concen: 134.81 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	283.6
98	64.7	0.0	130.0

Manual Integrations
 APPROVED

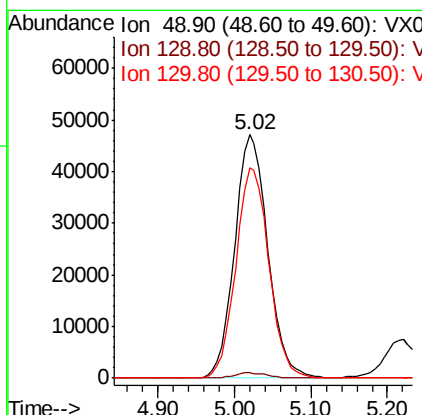
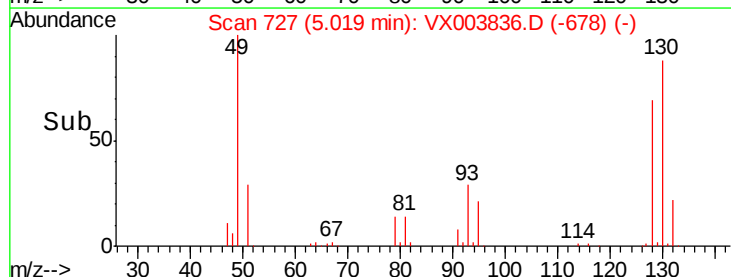
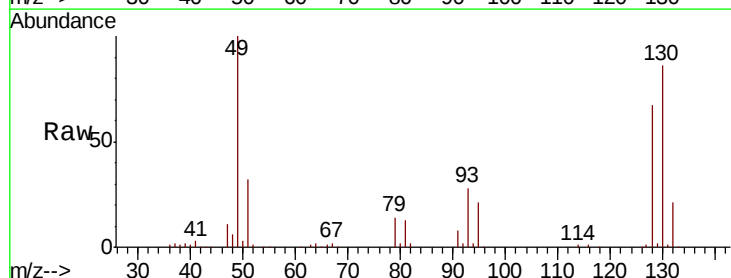
MMDadoda
 8/6/2018 1:35:56 PM

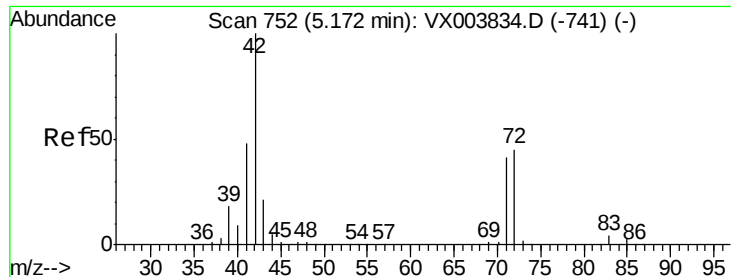


#28

Bromochloromethane
 Concen: 129.16 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	86.1	68.9	103.3





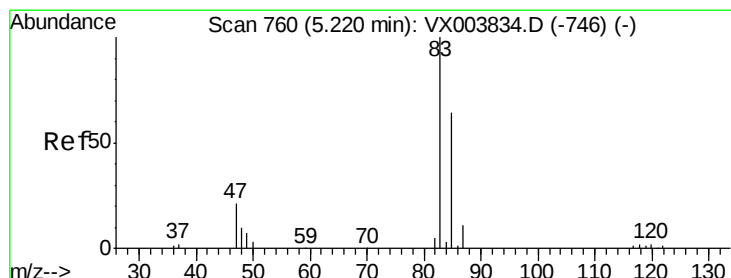
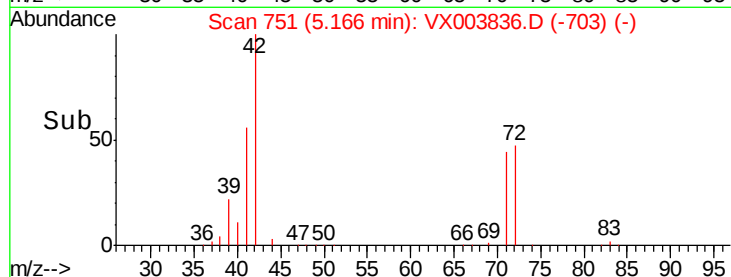
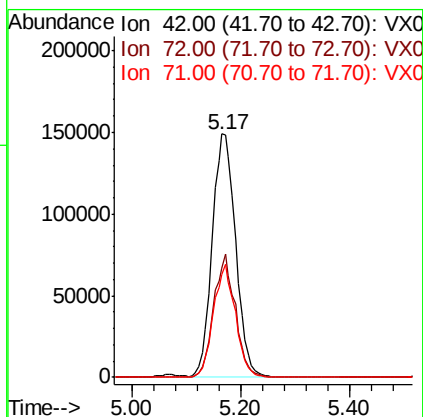
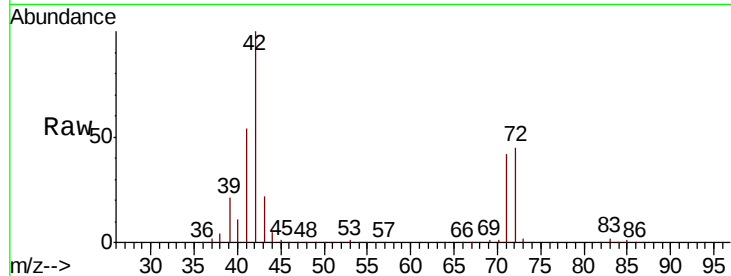
#29
Tetrahydrofuran
Concen: 593.65 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	36.1	54.1
71	43.6	33.6	50.4

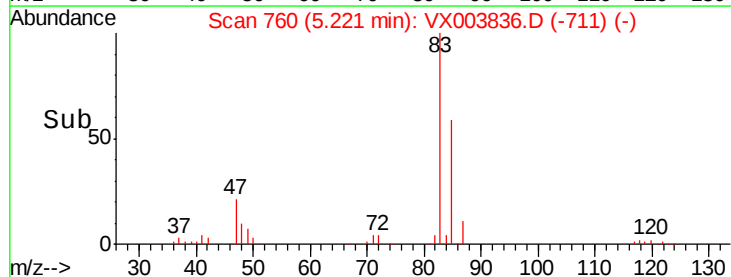
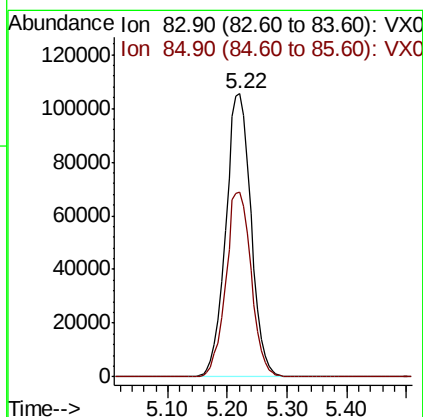
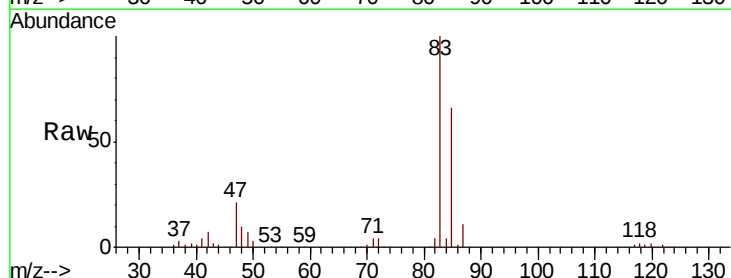
Manual Integrations
APPROVED

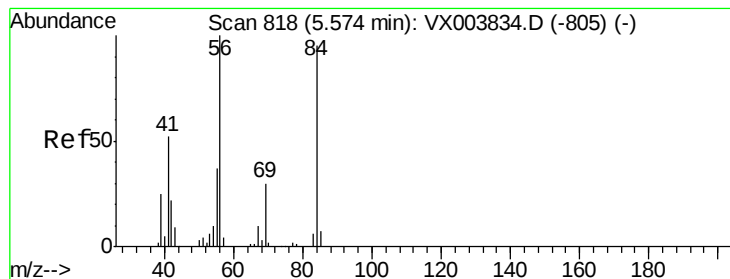
MMDadoda
8/6/2018 1:35:56 PM



#30
Chloroform
Concen: 128.03 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.5	77.3





#31

Cyclohexane

Concen: 140.22 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 286900

Ion Ratio Lower Upper

56 100

69 30.7 23.7 35.5

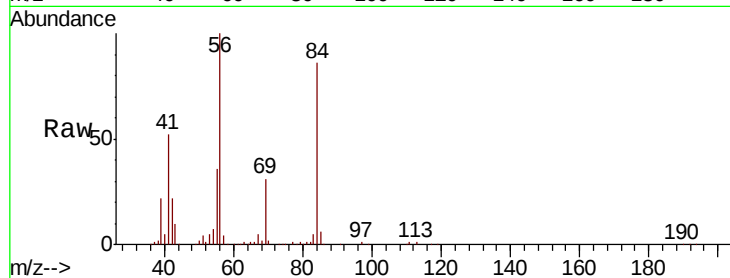
84 85.1 75.7 113.5

Manual Integrations

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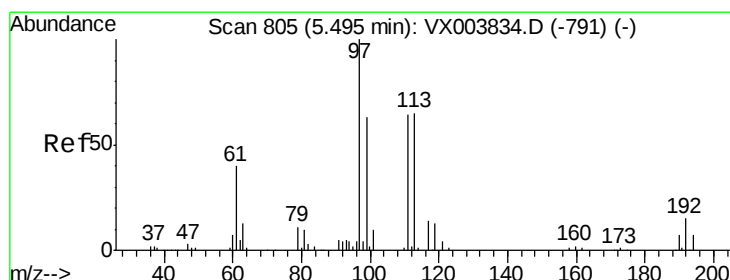
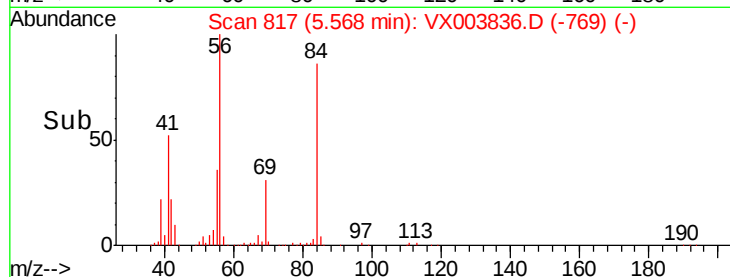
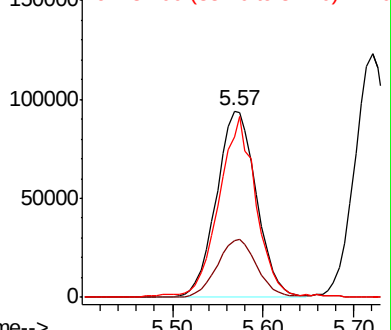
8/6/2018 1:35:56 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 137.98 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

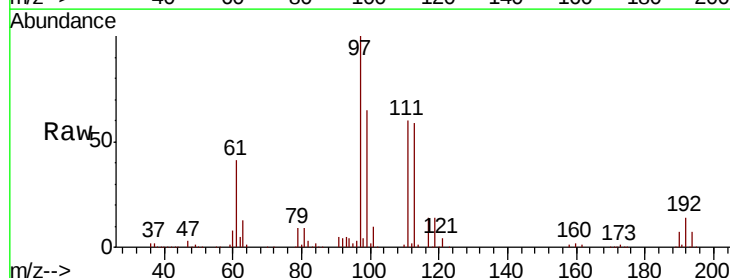
Tgt Ion: 97 Resp: 273892

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

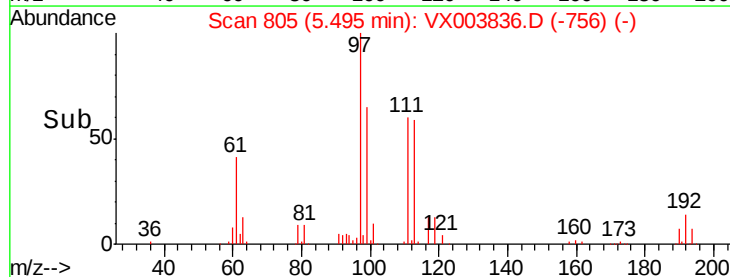
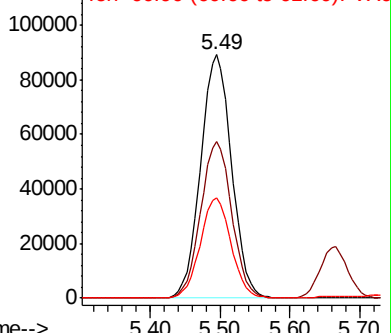
61 41.0 33.3 49.9

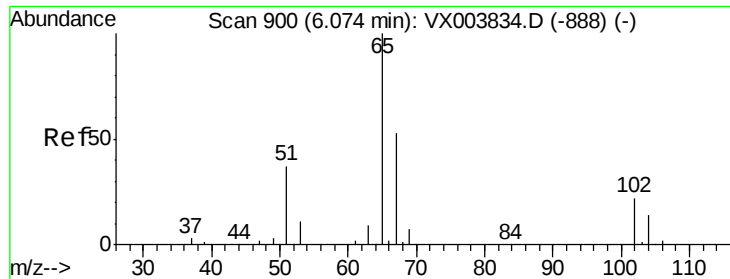


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 121.56 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Tot Ion: 65 Resp: 193990

Ion Ratio Lower Upper

65 100

67 54.2 0.0 107.2

Instrument :

MSVOA_X

ClientSampleId :

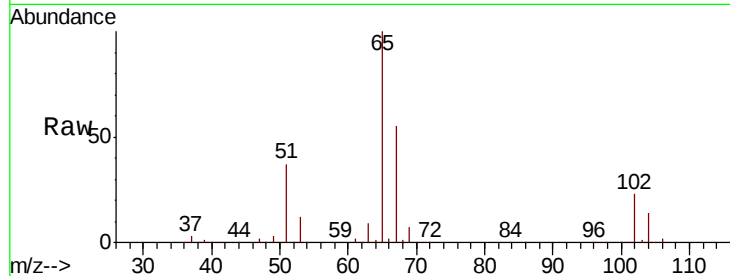
VSTDIC150

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

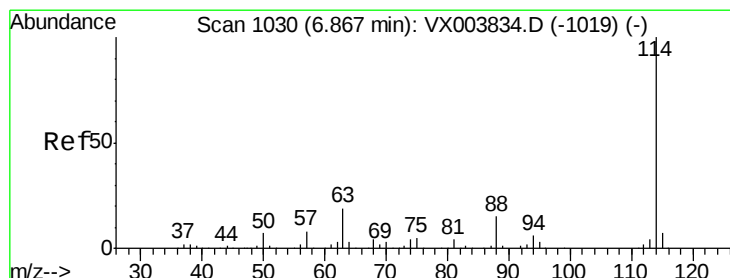
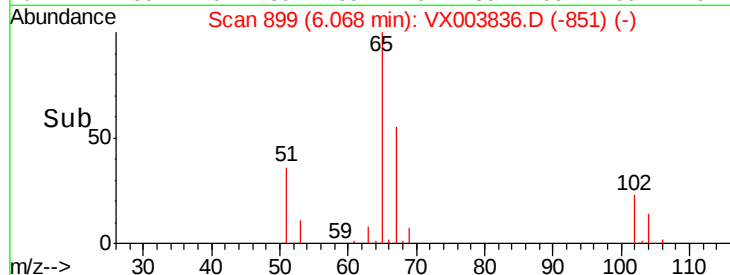
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

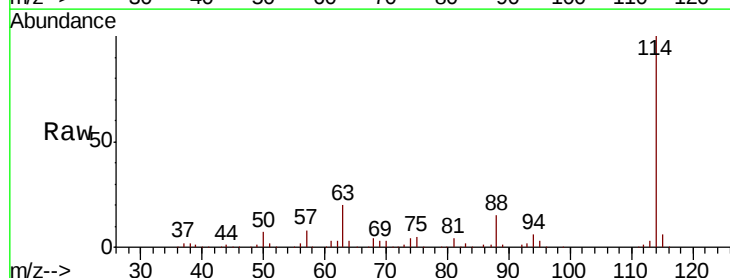
Tgt Ion:114 Resp: 151132

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.2

88 15.3 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

80000

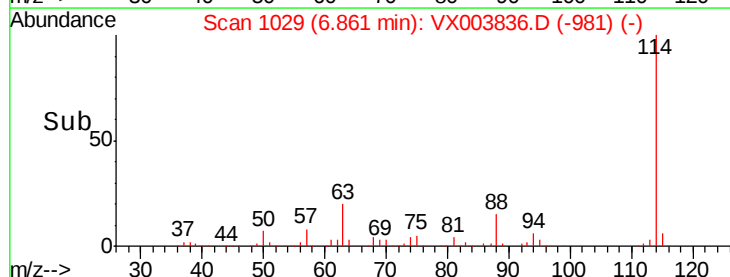
60000

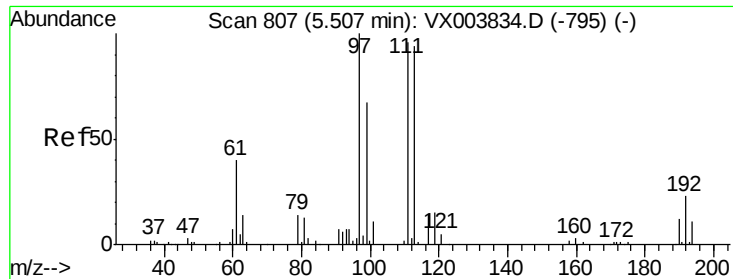
40000

20000

0

Time-->





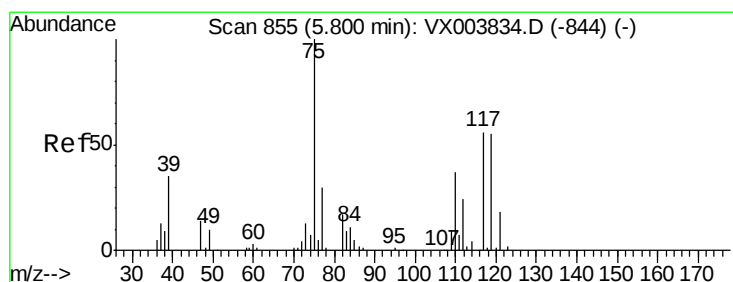
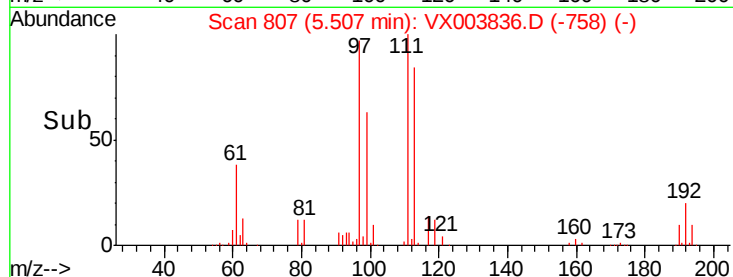
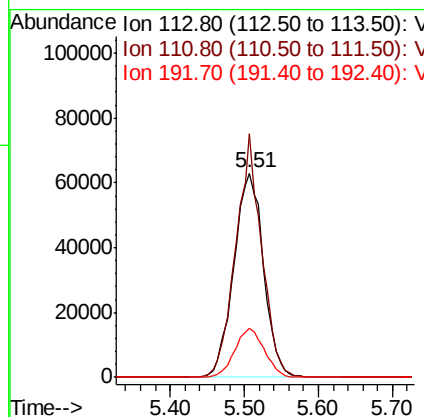
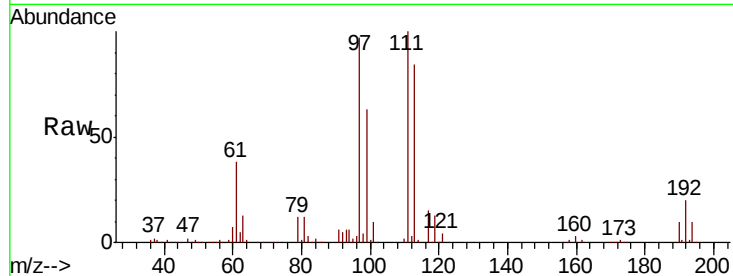
#35
 Dibromofluoromethane
 Concen: 142.63 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176127		
111	103.8	81.1	121.7	
192	23.9	19.7	29.5	

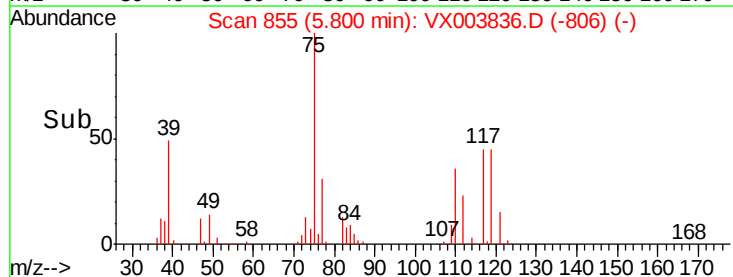
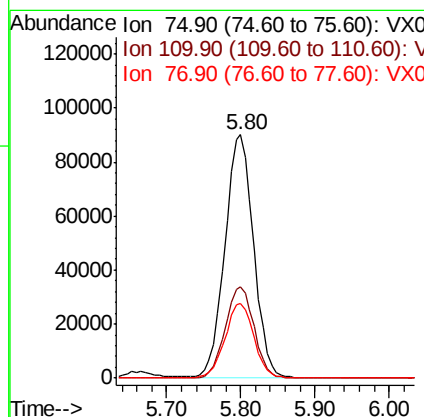
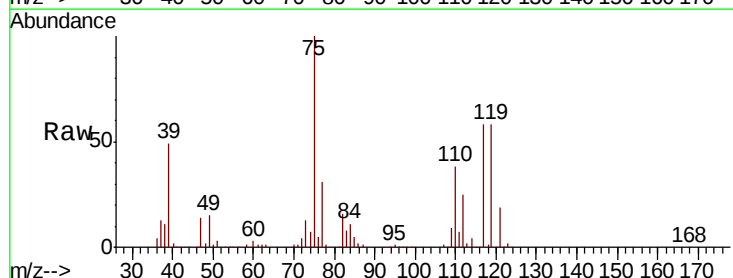
Manual Integrations
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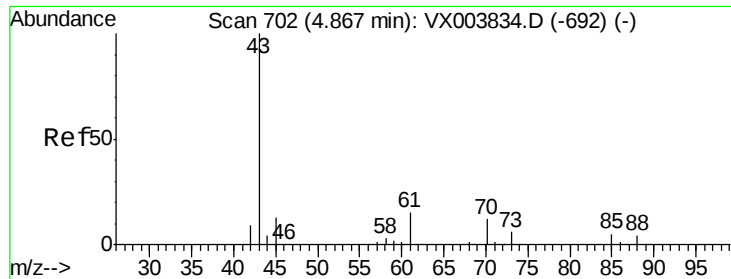
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#36
 1,1-Dichloropropene
 Concen: 139.83 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	241558		
110	37.6	18.6	55.8	
77	30.8	24.9	37.3	





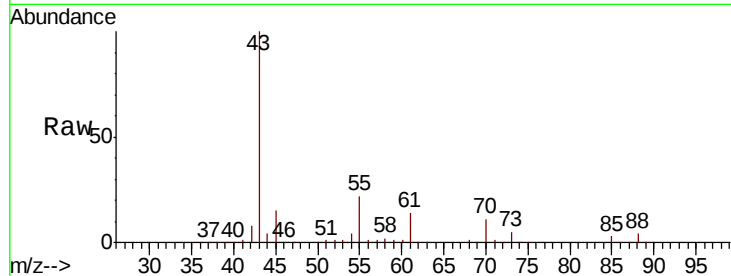
#37
Ethyl Acetate
Concen: 126.00 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

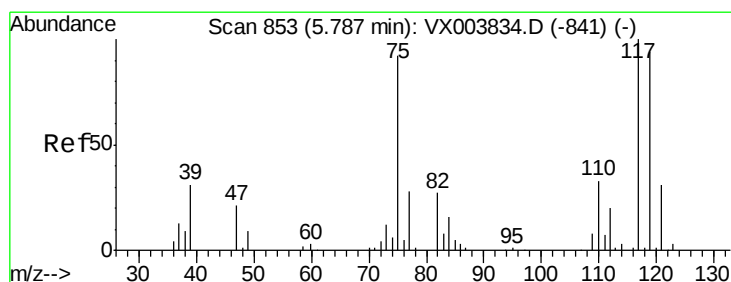
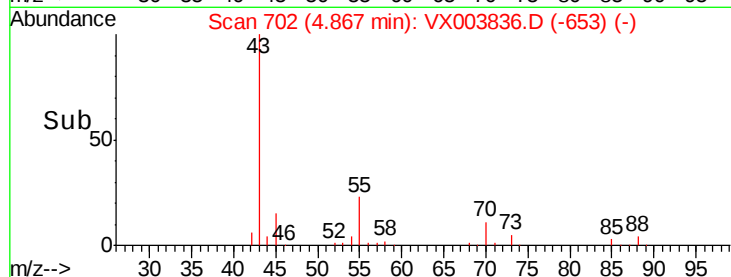
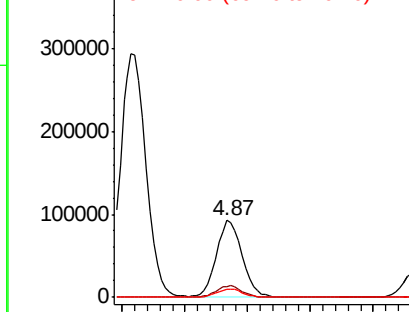
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.4	18.6
70	10.9	8.9	13.3

Manual Integrations
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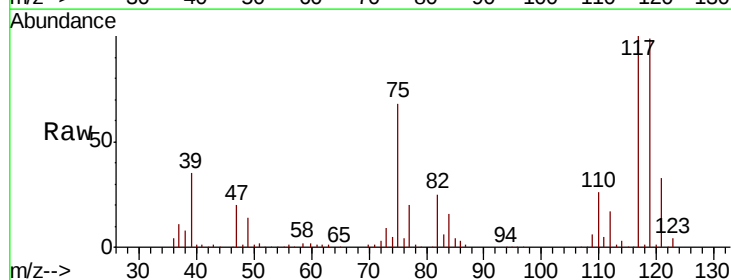


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

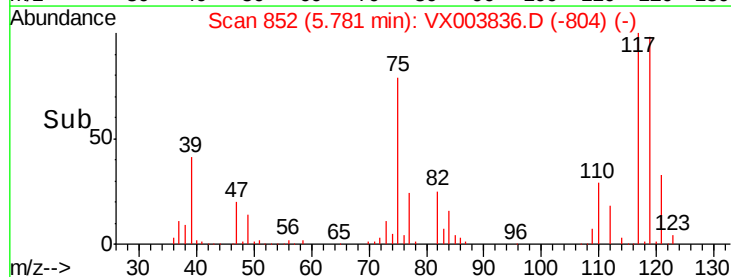
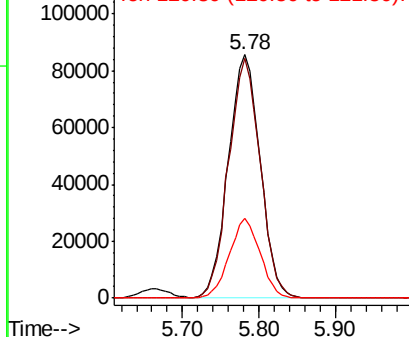


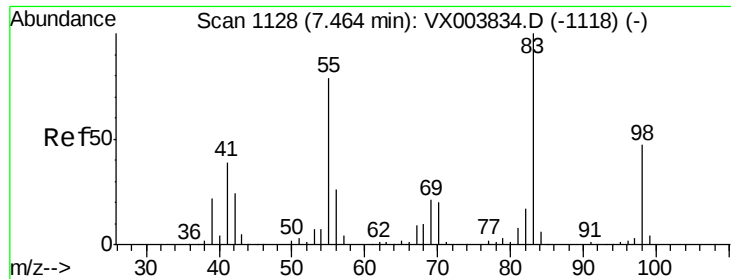
#38
Carbon Tetrachloride
Concen: 148.79 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	74.6	112.0
121	33.0	24.4	36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





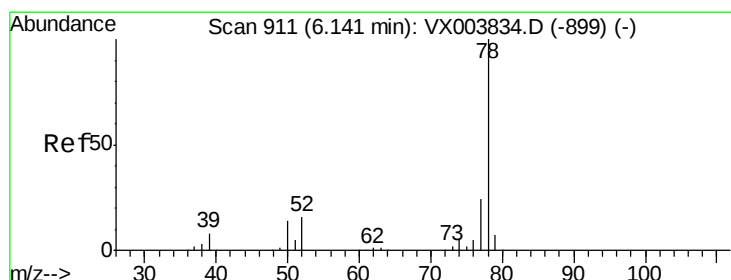
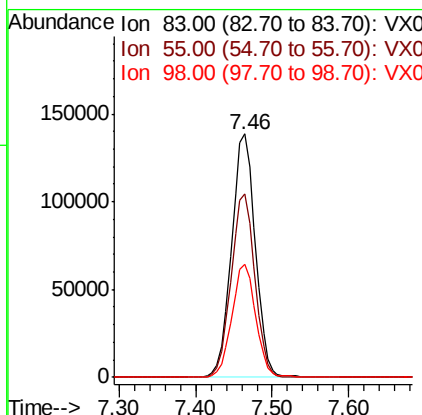
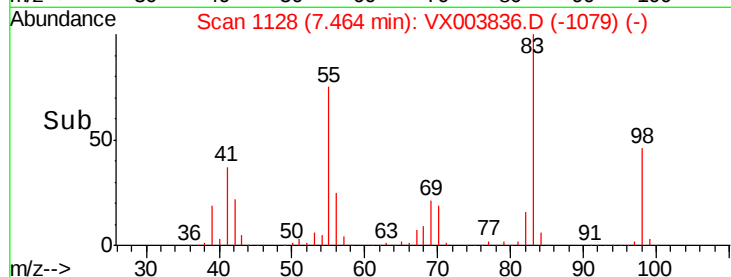
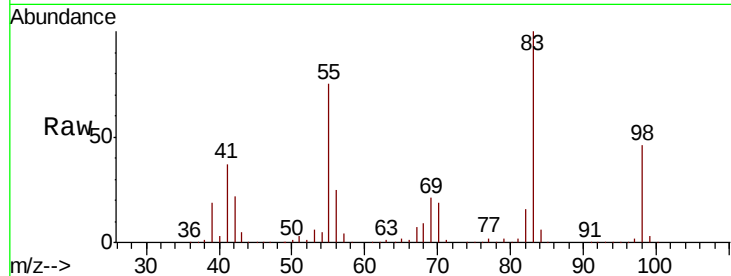
#39
Methvlcvclohexane
Concen: 161.81 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	63.1	94.7
98	46.5	37.5	56.3

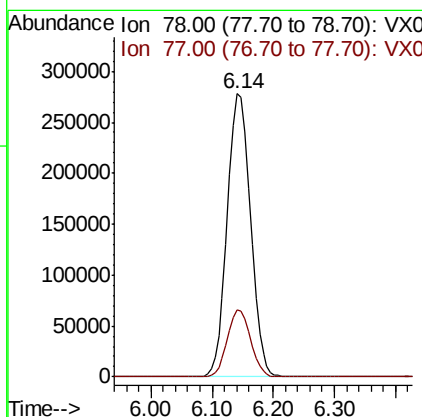
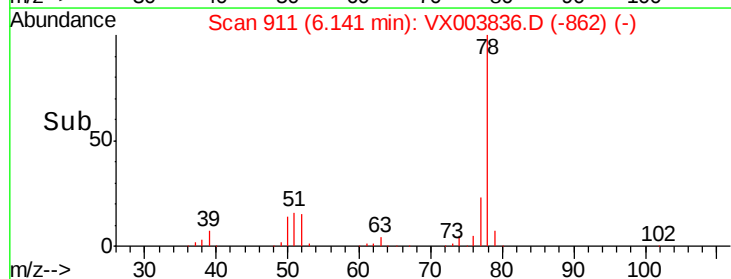
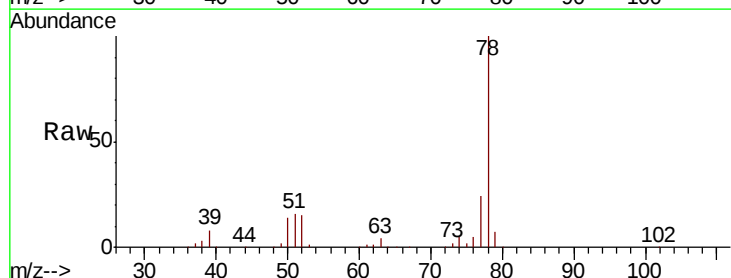
Manual Integrations
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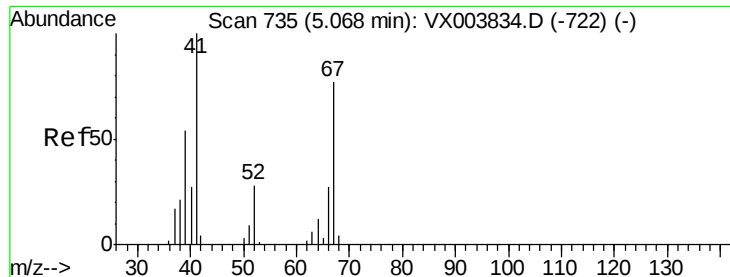
MMDadoda
8/6/2018 1:35:56 PM



#40
Benzene
Concen: 140.30 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





#41

Methacrylonitrile

Concen: 127.18 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 148528

Ion Ratio Lower Upper

41 100

39 53.2 42.5 63.7

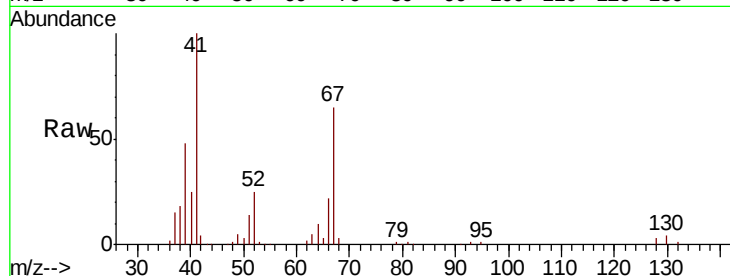
67 72.3 58.8 88.2

52 29.7 22.9 34.3

Manual Integrations
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MMDadoda

8/6/2018 1:35:56 PM



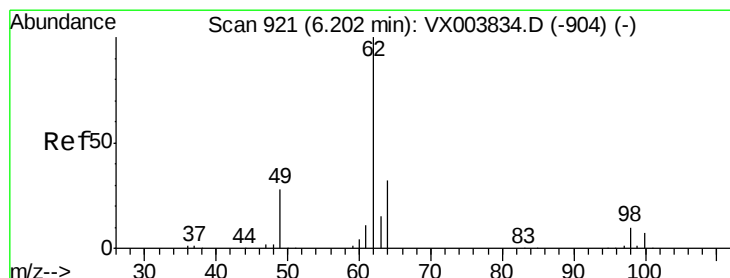
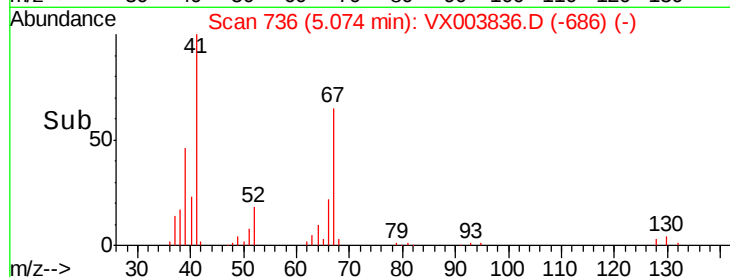
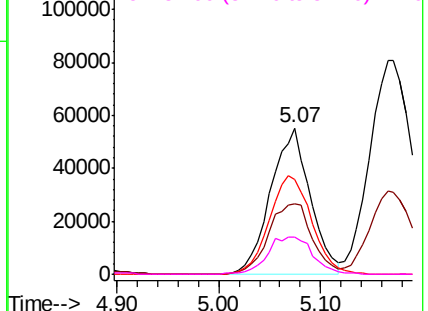
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 131.82 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX003836.D

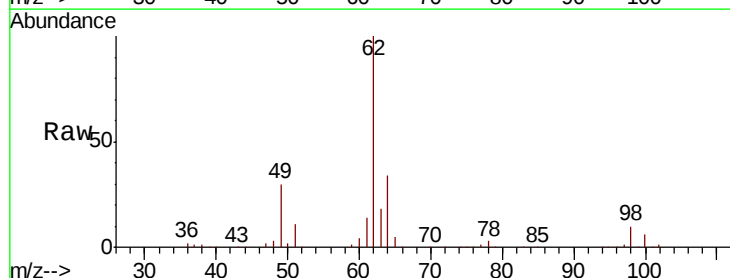
Acq: 02 Aug 2018 21:09

Tgt Ion: 62 Resp: 241085

Ion Ratio Lower Upper

62 100

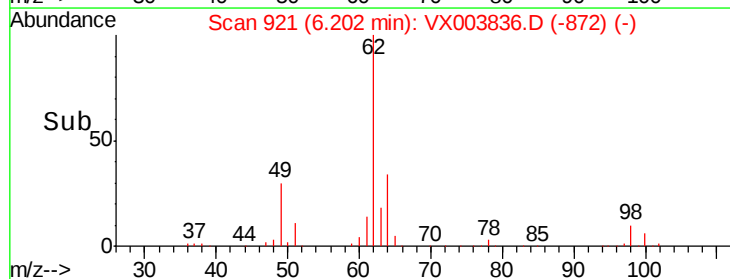
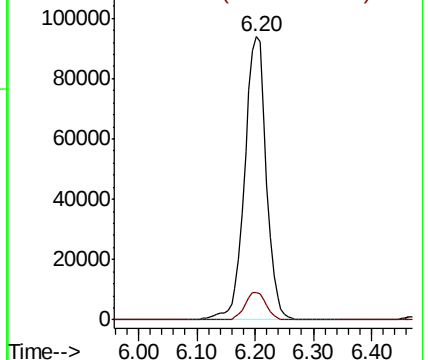
98 9.7 0.0 19.6

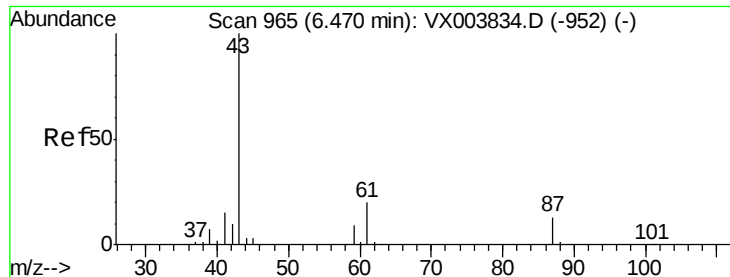


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 139.21 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

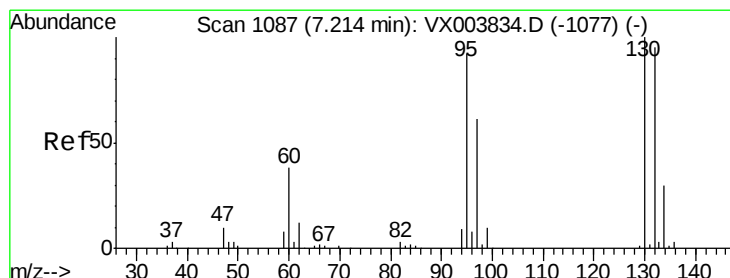
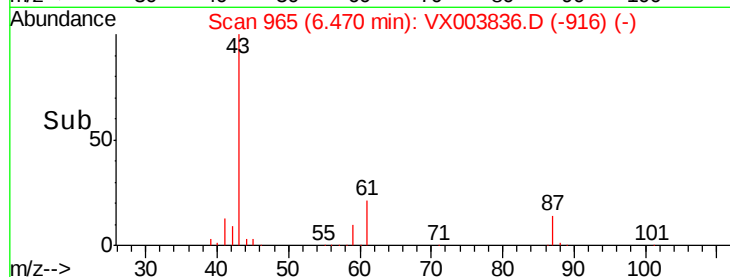
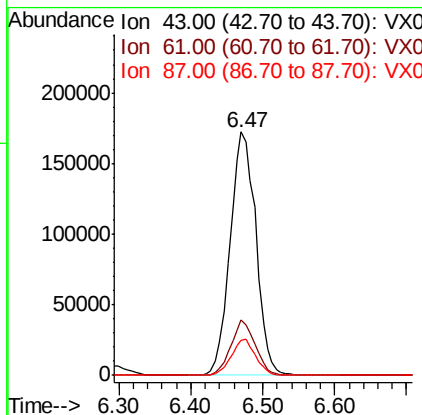
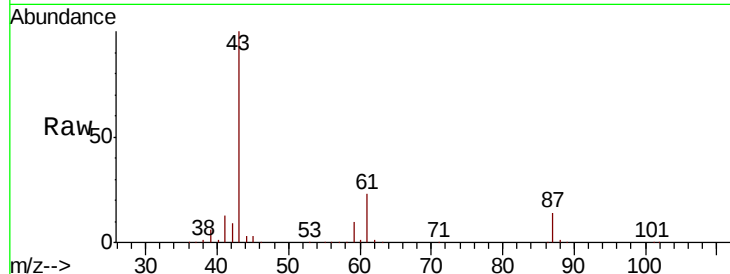
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	428051
Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.7	25.1
87	14.0	10.8	16.2

Manual Integrations
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MMDadoda
8/6/2018 1:35:56 PM



#44

Trichloroethene

Concen: 144.72 ug/l

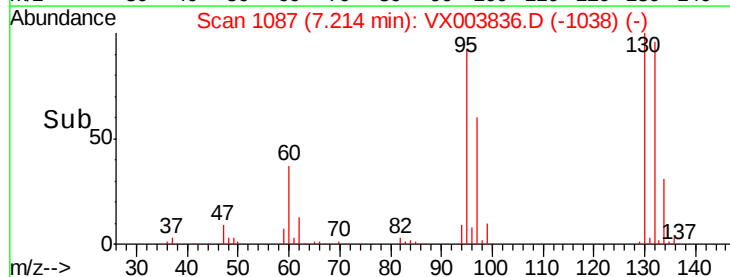
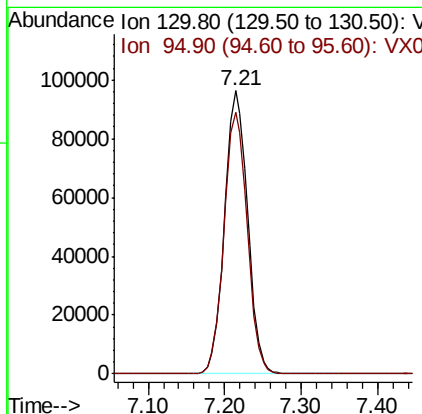
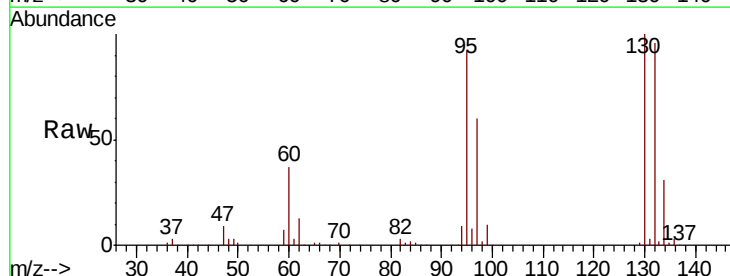
RT: 7.21 min Scan# 1087

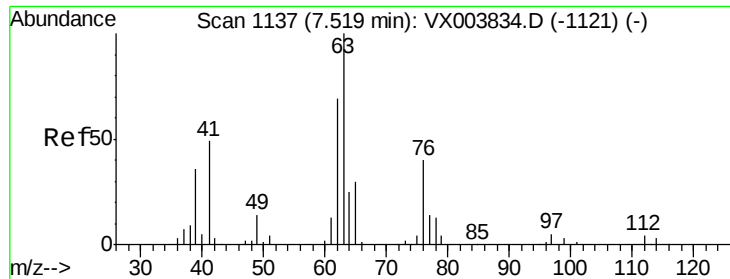
Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Tgt Ion:	130	Resp:	201273
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	184.8





#45

1,2-Dichloropropane

Concen: 145.05 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 195633

Ion Ratio Lower Upper

63 100

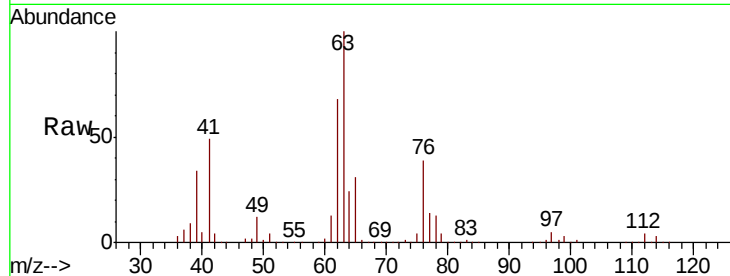
65 30.8 24.2 36.4

Manual Integrations

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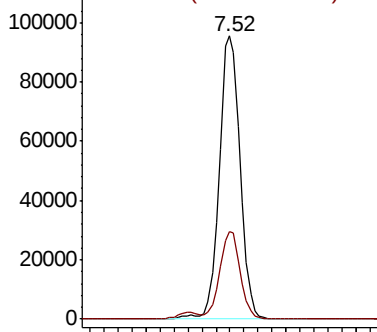
MMDadoda

8/6/2018 1:35:56 PM

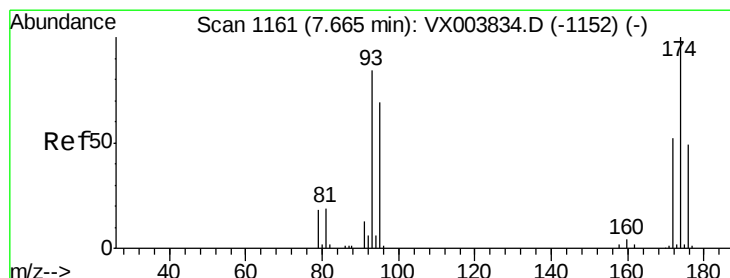
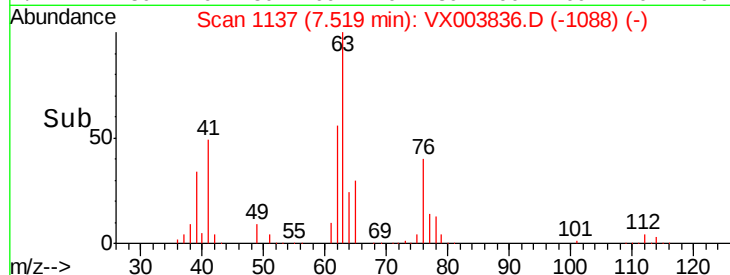


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



Time-->



#46

Dibromomethane

Concen: 140.86 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

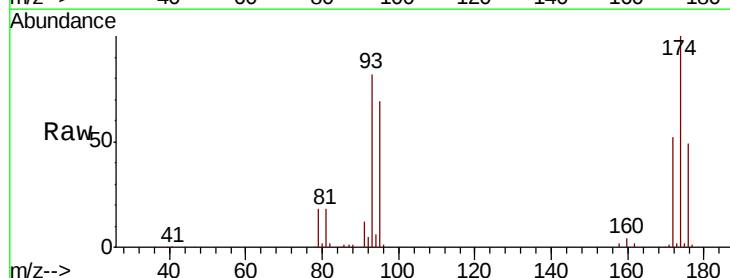
Tgt Ion: 93 Resp: 122889

Ion Ratio Lower Upper

93 100

95 83.9 67.0 100.6

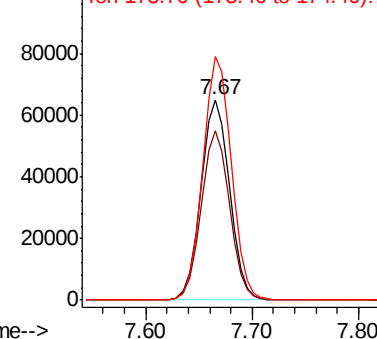
174 121.7 97.4 146.2



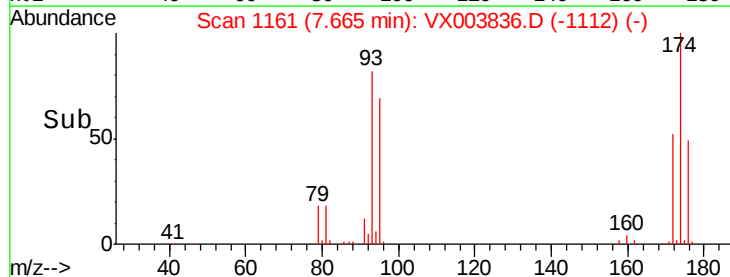
Abundance Ion 92.80 (92.50 to 93.50): VX0

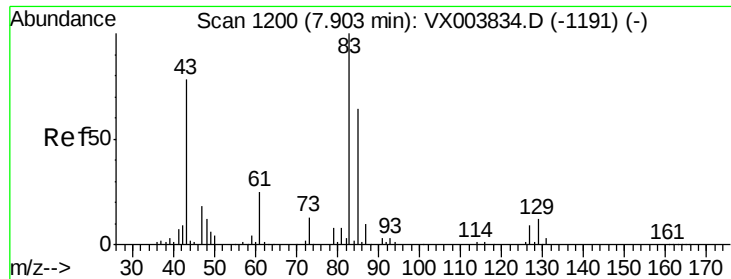
Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V



Time-->





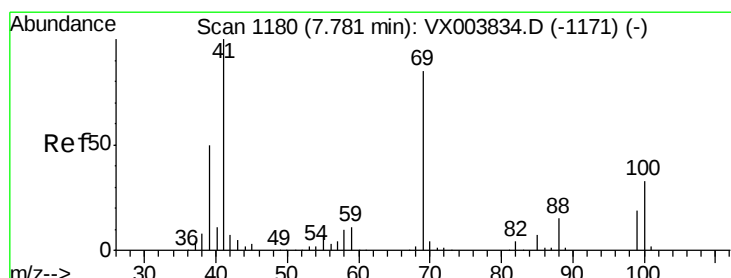
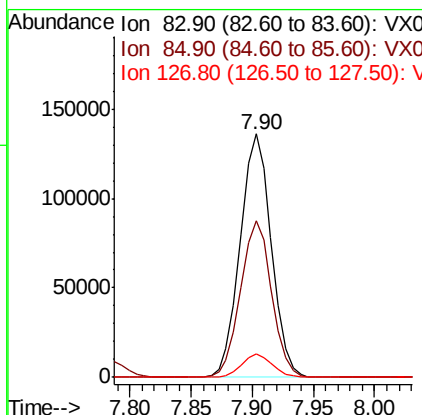
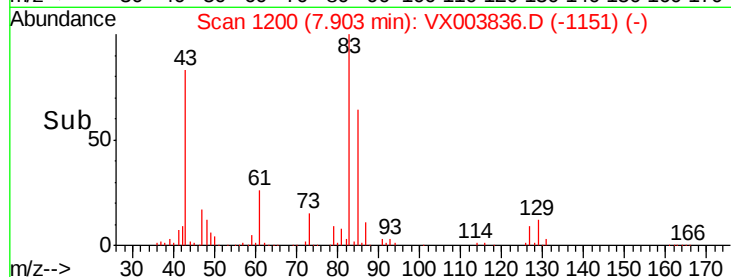
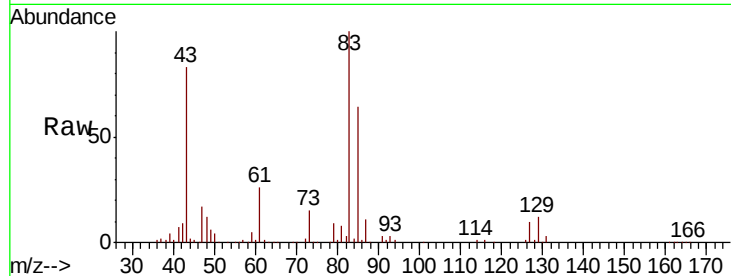
#47
 Bromodichloromethane
 Concen: 147.42 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	240183		
85	64.2		51.4	77.2
127	9.5		7.0	10.6

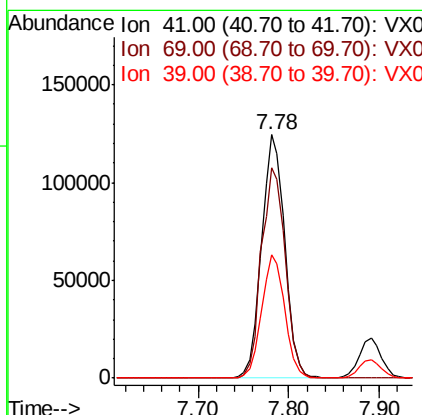
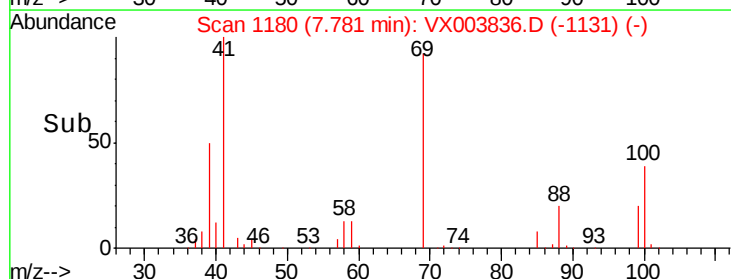
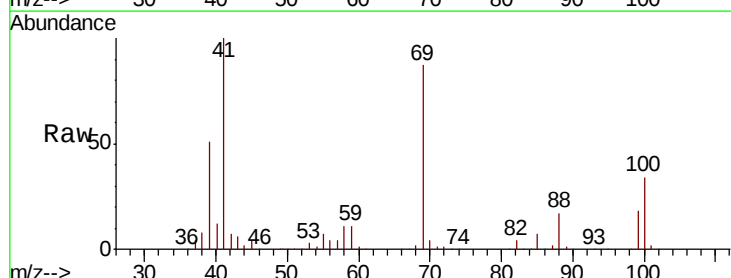
Manual Integrations
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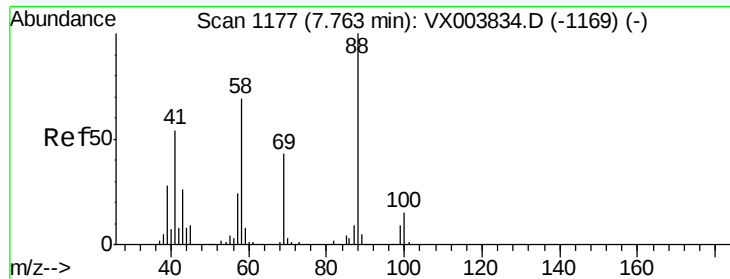
MMDadoda
 8/6/2018 1:35:56 PM



#48
 Methyl methacrylate
 Concen: 141.05 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	220135		
69	89.4		70.2	105.4
39	50.6		40.9	61.3





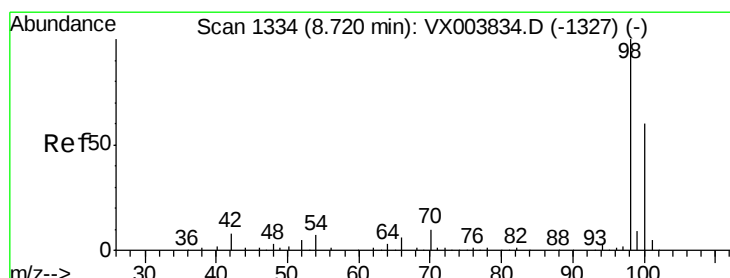
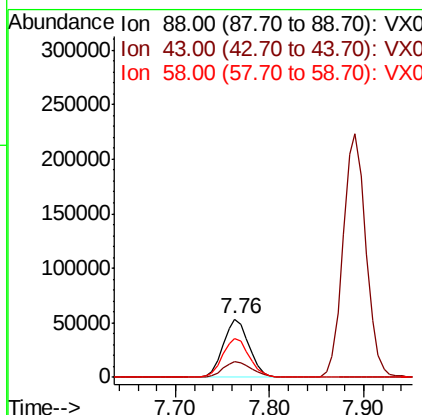
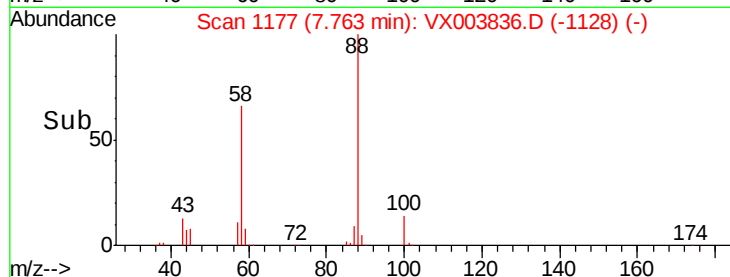
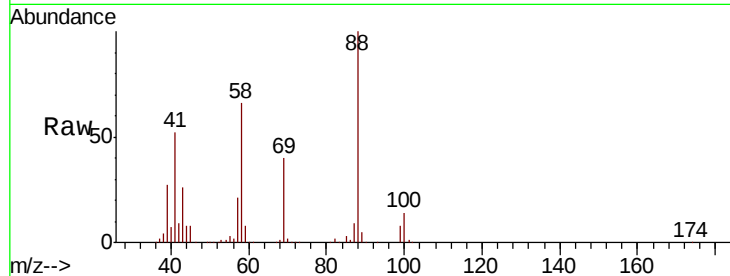
#49
1,4-Dioxane
Concen: 2872.17 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.4	36.6
58	68.7	56.5	84.7

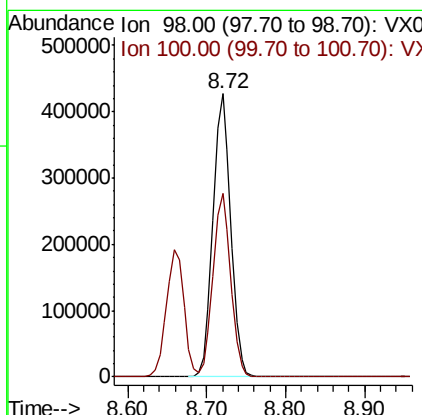
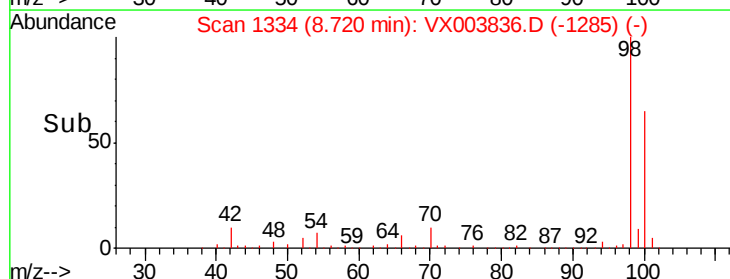
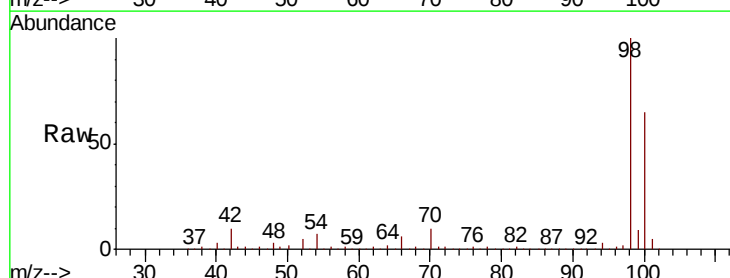
Manual Integrations
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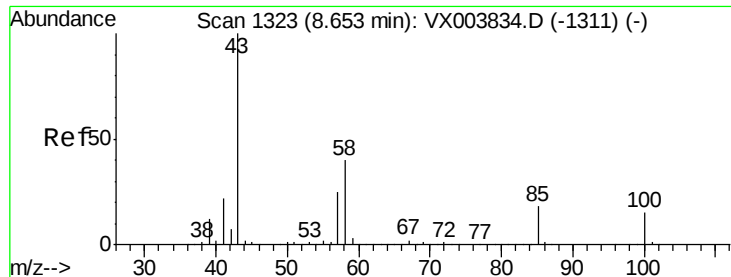
MMDadoda
8/6/2018 1:35:56 PM



#50
Toluene-d8
Concen: 143.24 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 824.10 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1784897

Ion Ratio Lower Upper

43 100

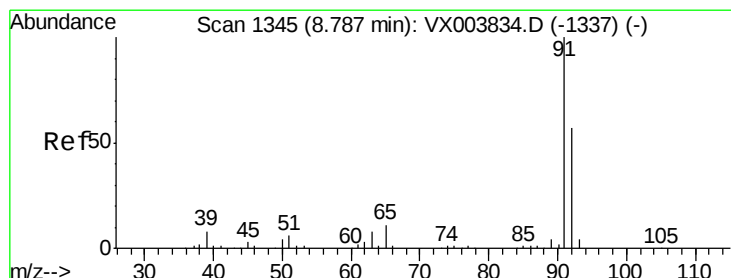
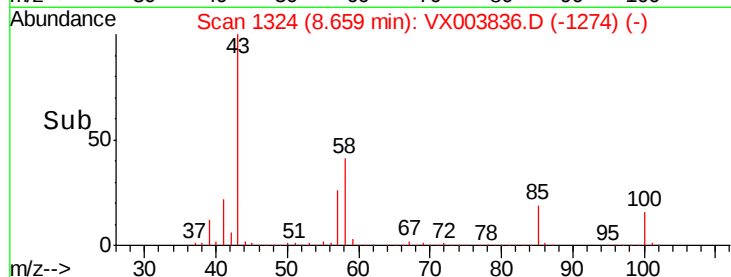
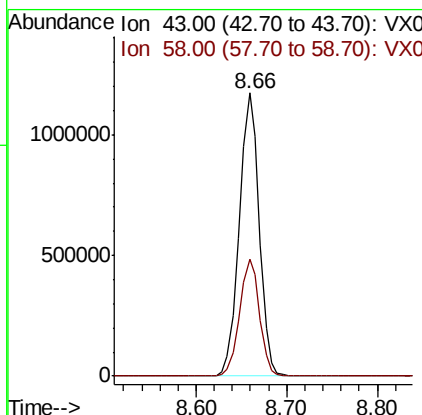
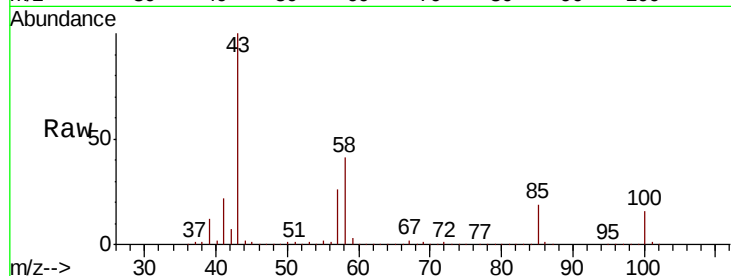
58 41.1 32.2 48.2

Manual Integrations

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MMDadoda

8/6/2018 1:35:56 PM



#52

Toluene

Concen: 144.77 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003836.D

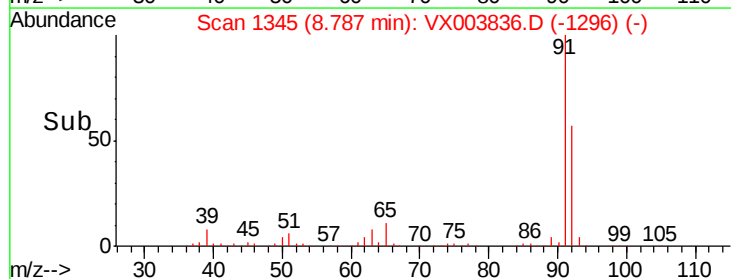
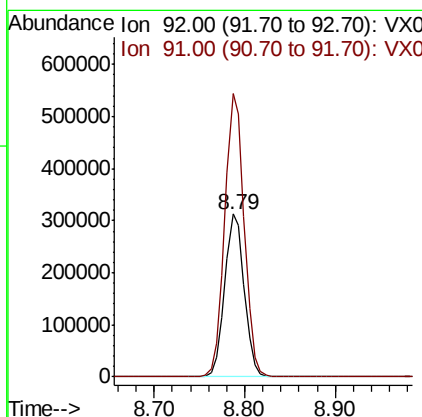
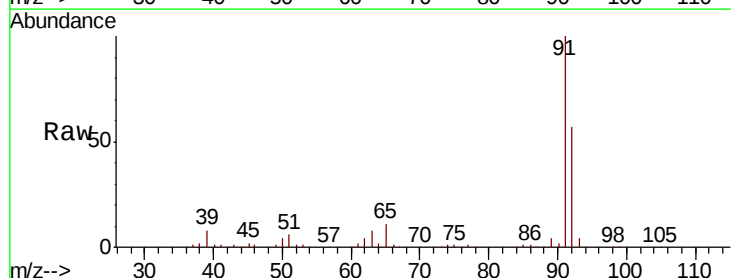
Acq: 02 Aug 2018 21:09

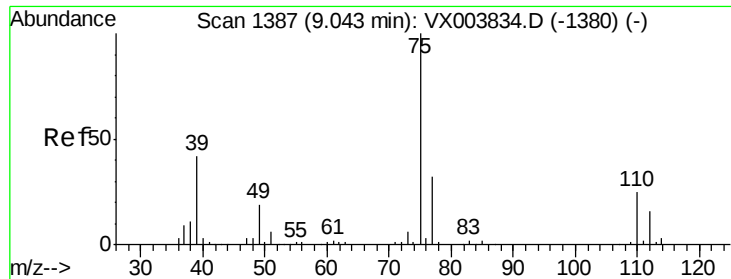
Tgt Ion: 92 Resp: 468153

Ion Ratio Lower Upper

92 100

91 173.4 140.2 210.2





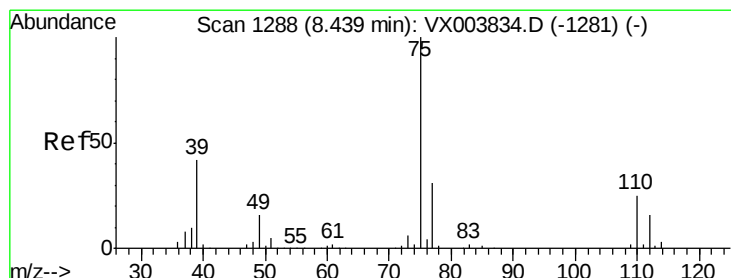
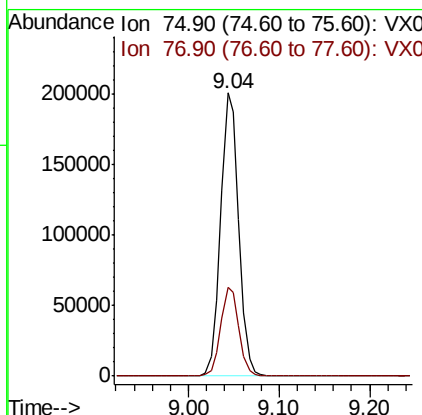
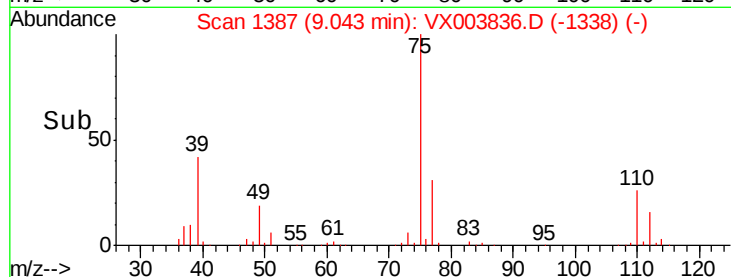
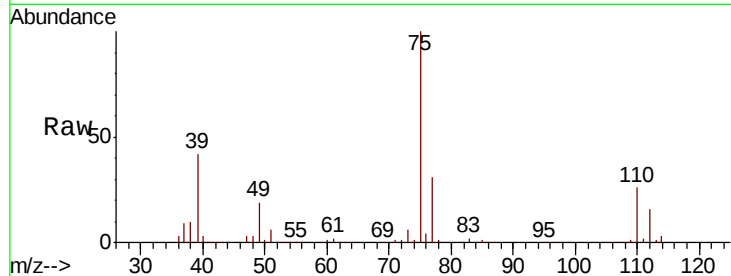
#53
 t-1,3-Dichloropropene
 Concen: 154.99 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Tot Ion: 75 Resp: 279651
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.3 37.9

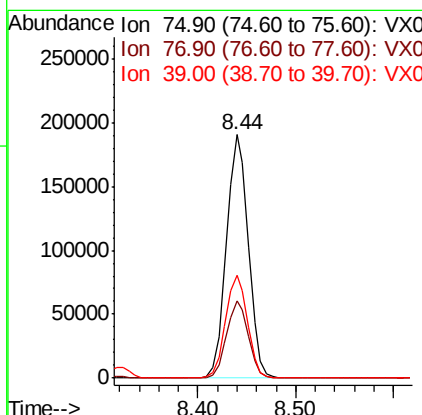
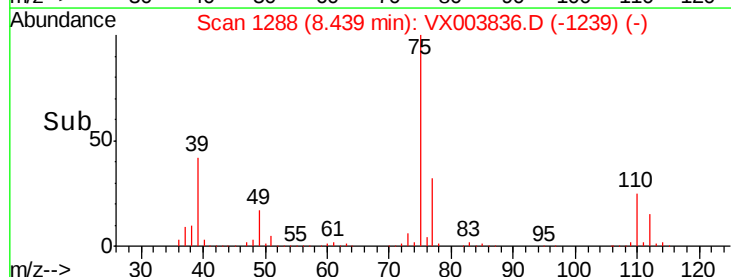
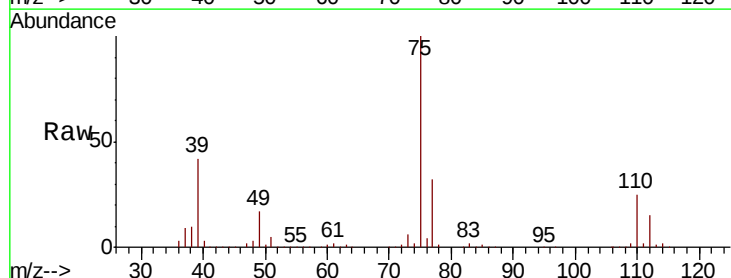
Manual Integrations
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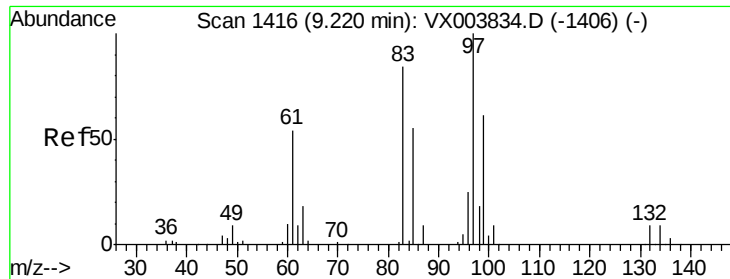
MMDadoda
 8/6/2018 1:35:56 PM



#54
 cis-1,3-Dichloropropene
 Concen: 149.03 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion: 75 Resp: 295119
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8
 39 42.4 33.5 50.3





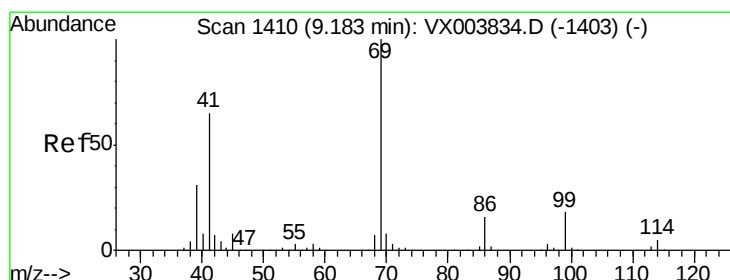
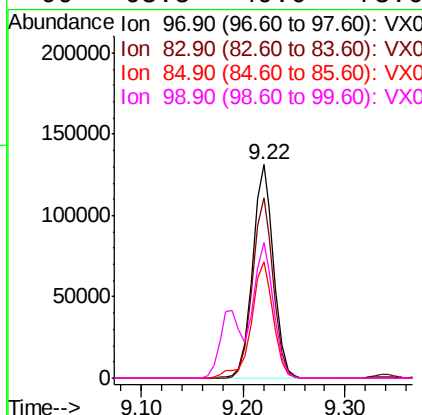
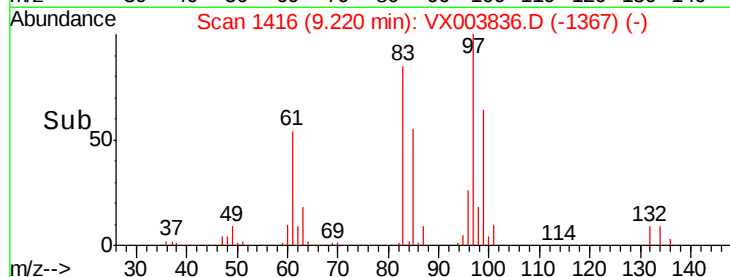
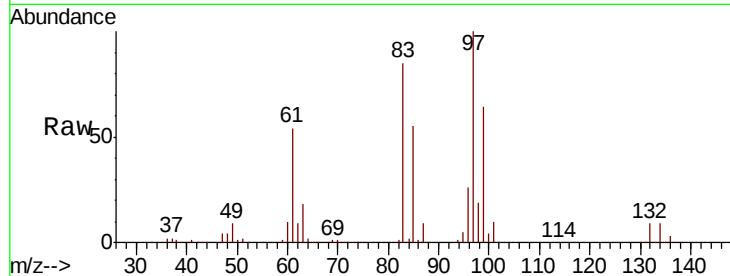
#55
 1,1,2-Trichloroethane
 Concen: 141.78 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	189083
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.4	101.2
85	54.6	43.9	65.9
99	63.5	49.0	73.6

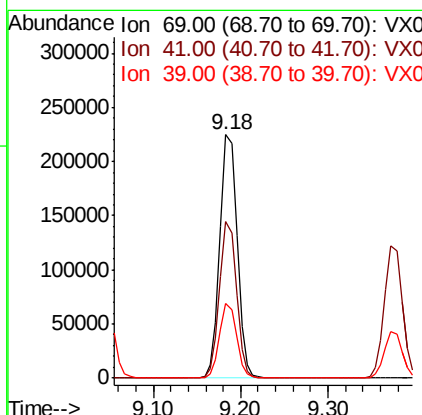
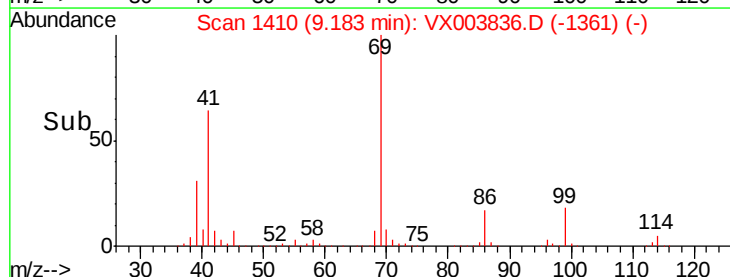
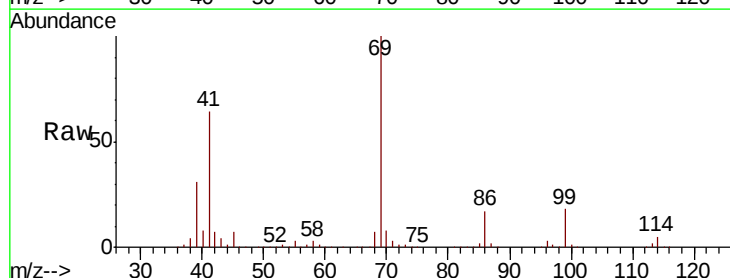
Manual Integrations
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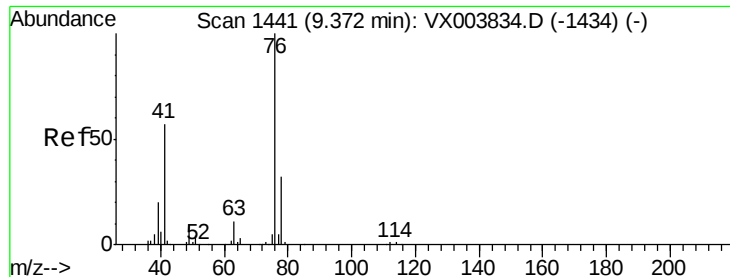
MMDadoda
 8/6/2018 1:35:56 PM



#56
 Ethyl methacrylate
 Concen: 156.73 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion:	69	Resp:	309435
Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.1	76.7
39	30.2	24.7	37.1





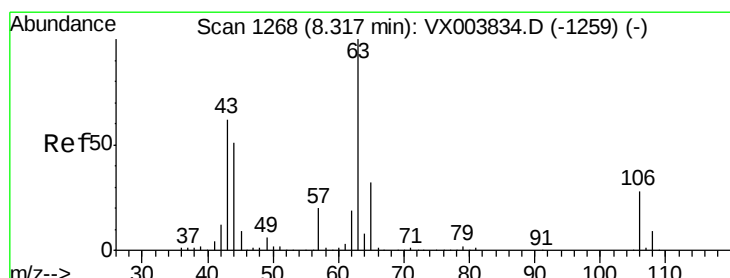
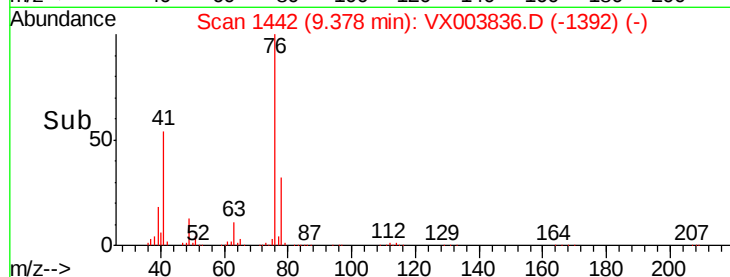
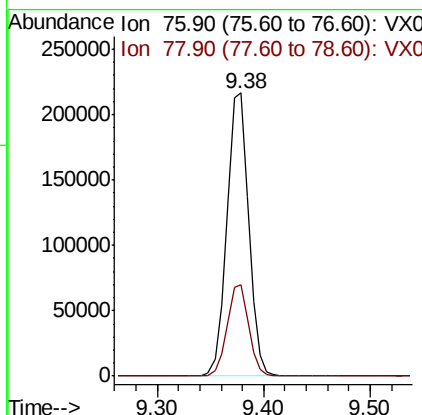
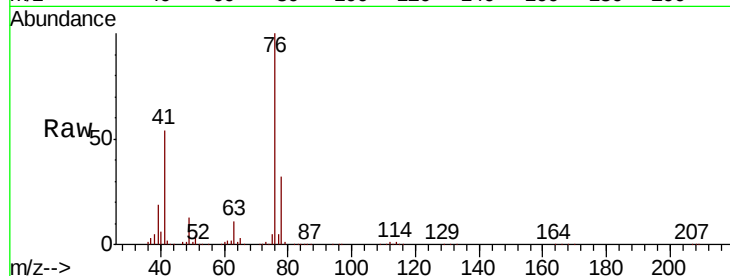
#57
 1,3-Dichloropropane
 Concen: 139.29 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.7	38.5

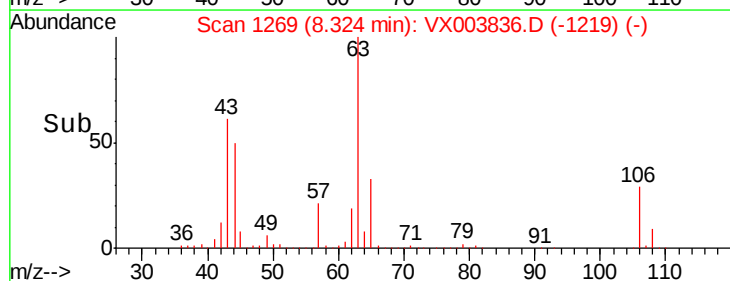
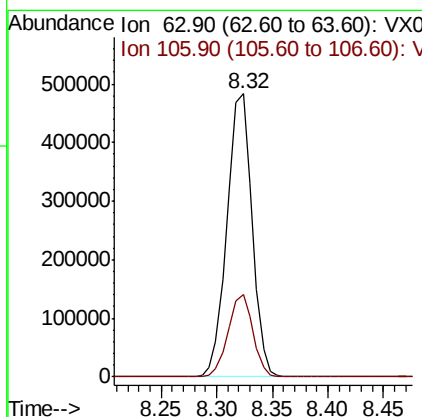
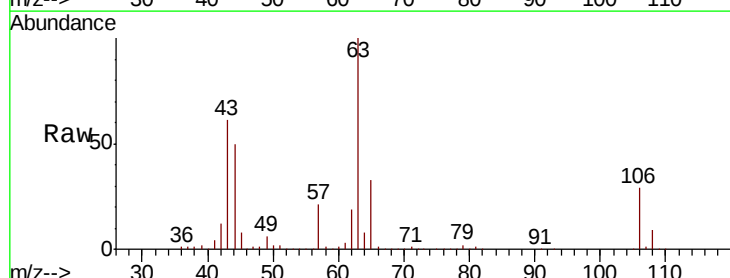
Manual Integrations
 APPROVED

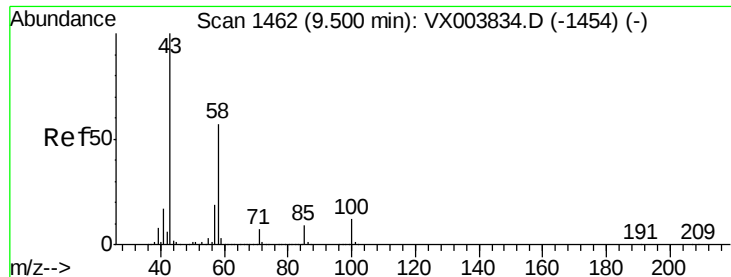
MMDadoda
 8/6/2018 1:35:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 756.33 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.6	34.0





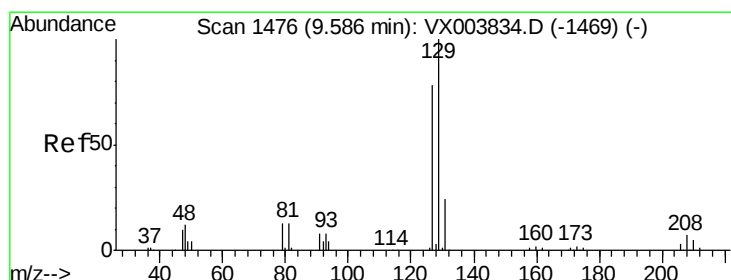
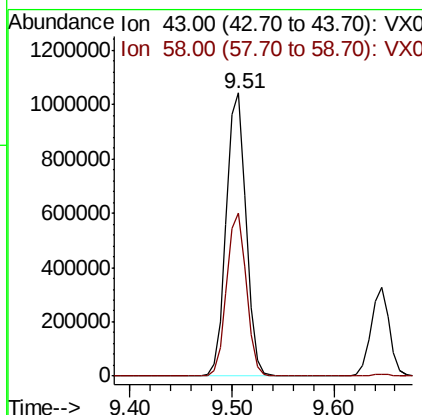
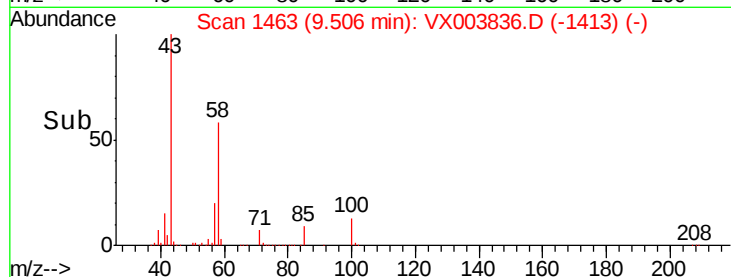
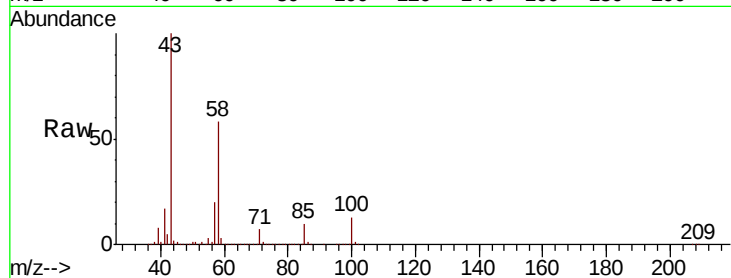
#59
2-Hexanone
Concen: 841.67 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1396729
Ion Ratio Lower Upper
43 100
58 57.4 28.2 84.7

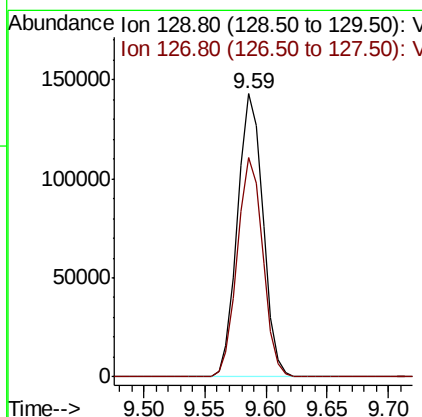
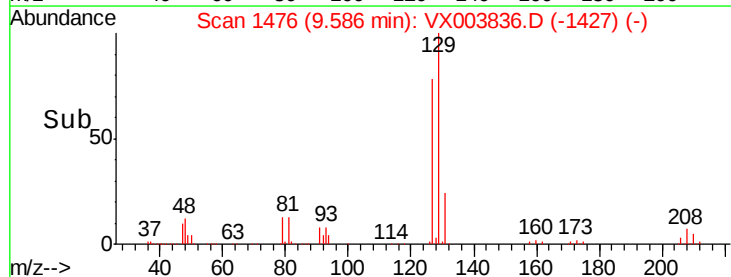
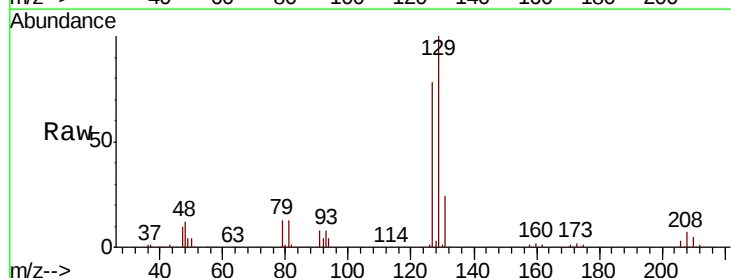
Manual Integrations
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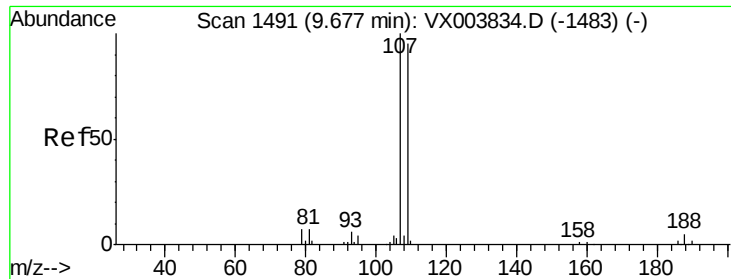
MMDadoda
8/6/2018 1:35:56 PM



#60
Dibromochloromethane
Concen: 162.18 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion: 129 Resp: 206193
Ion Ratio Lower Upper
129 100
127 77.5 39.0 116.9





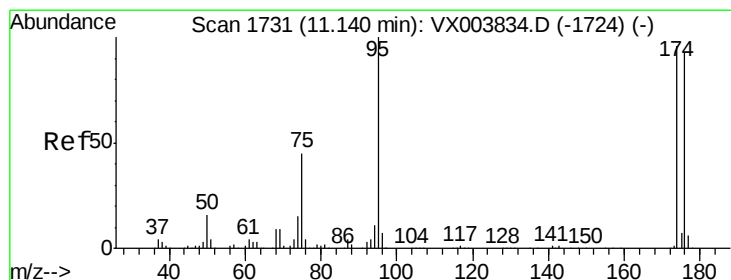
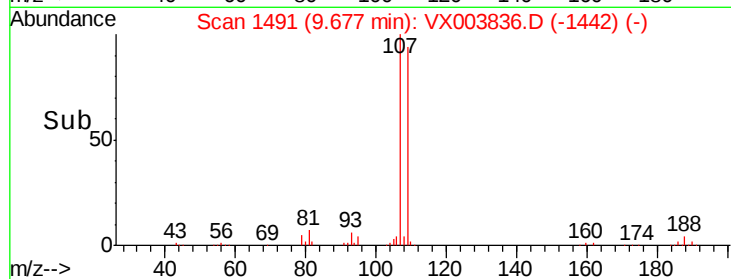
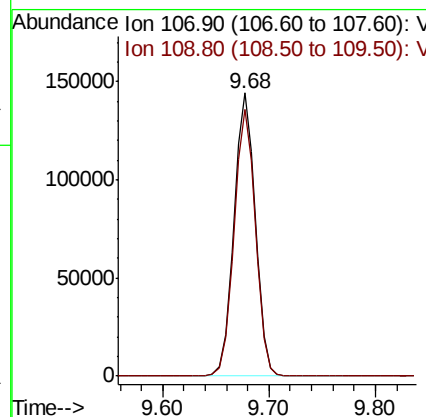
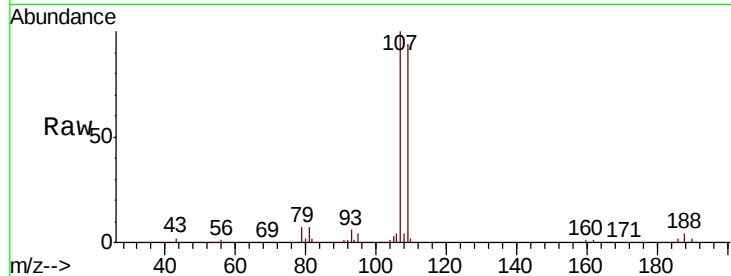
#61
 1,2-Dibromoethane
 Concen: 145.68 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	202822		
109	94.4	75.8	113.8	

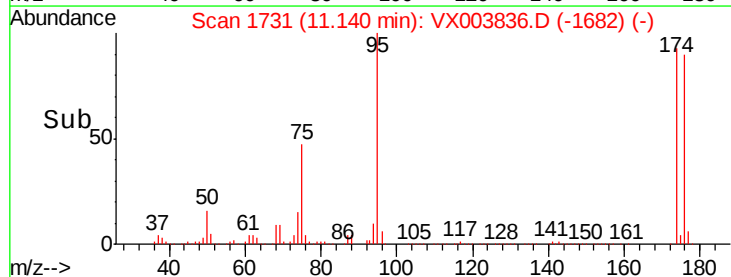
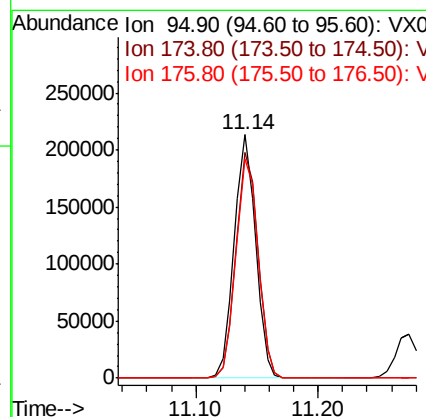
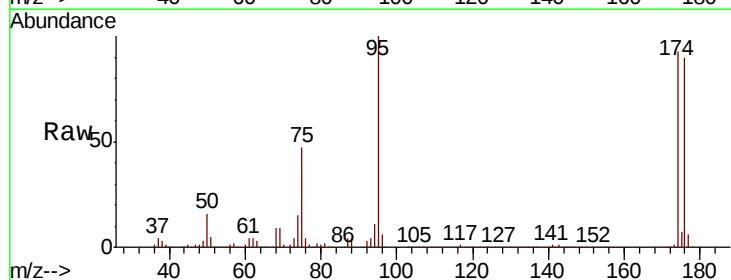
Manual Integrations
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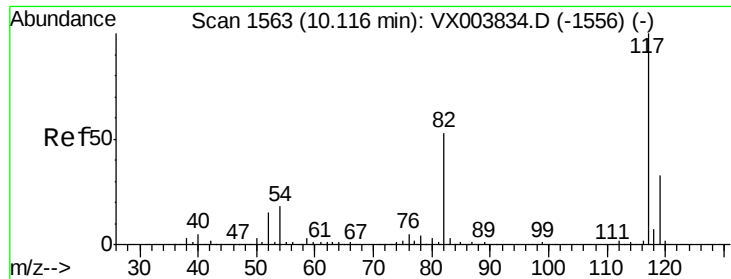
MMDadoda
 8/6/2018 1:35:56 PM



#62
 4-Bromofluorobenzene
 Concen: 150.10 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	257316		
174	95.5	0.0	192.2	
176	93.3	0.0	185.8	





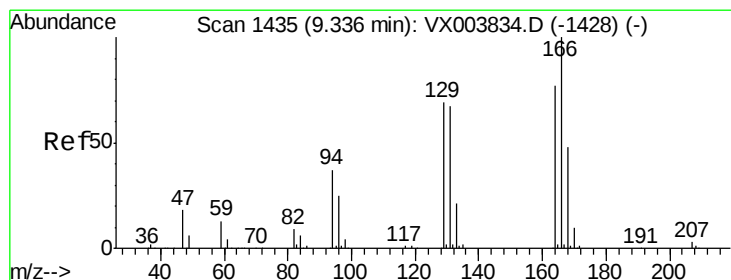
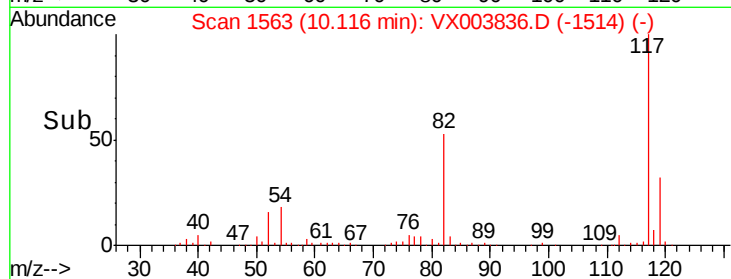
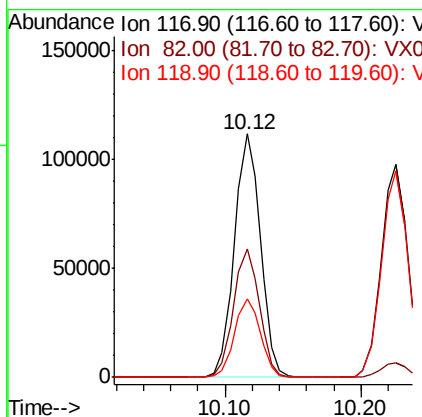
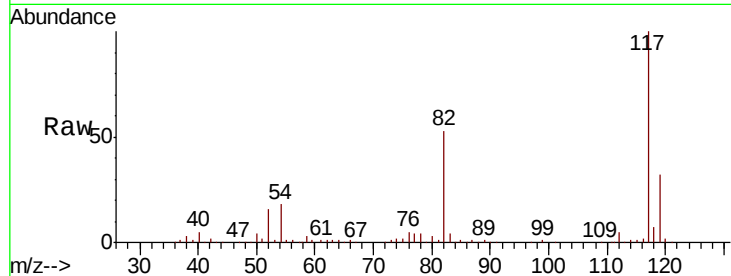
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.2	63.4
119	32.3	26.2	39.2

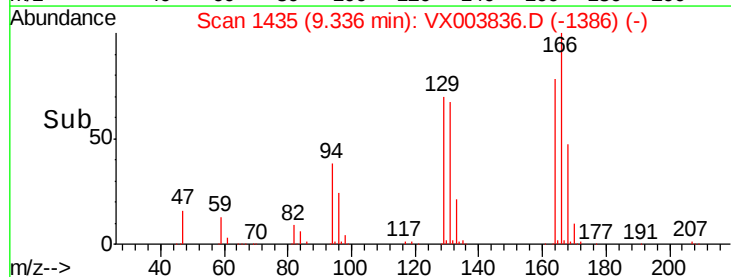
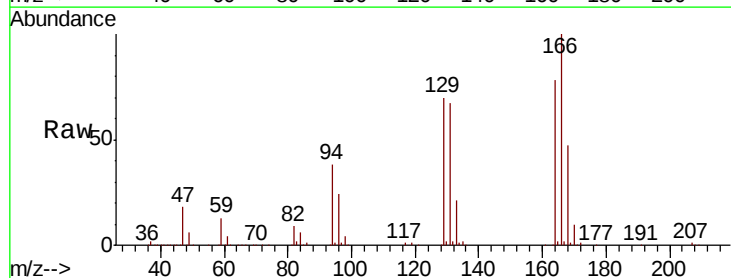
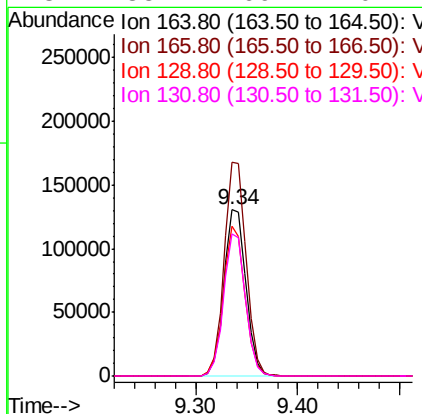
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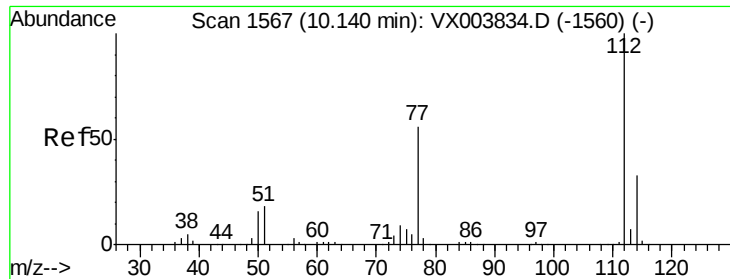
MMDadoda
8/6/2018 1:35:56 PM



#64
Tetrachloroethene
Concen: 145.32 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.7	155.5
129	90.2	71.9	107.9
131	85.7	69.4	104.2





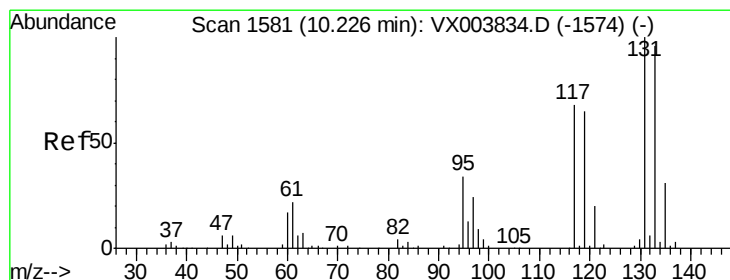
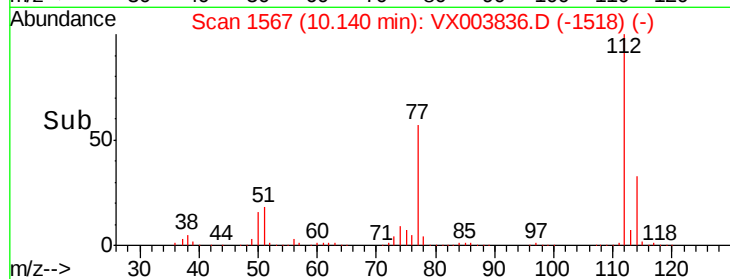
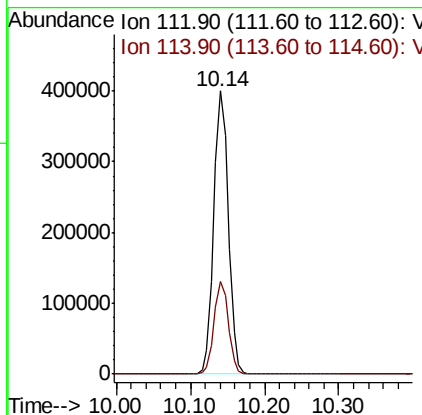
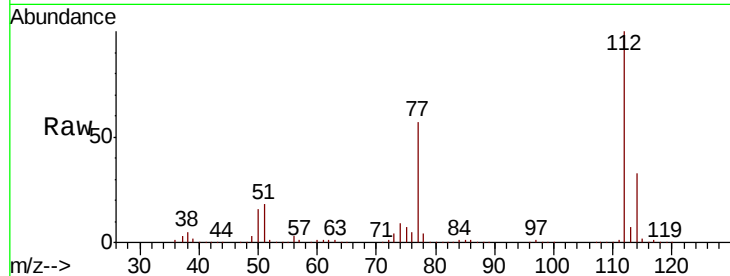
#65
Chlorobenzene
Concen: 143.43 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 536077
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4

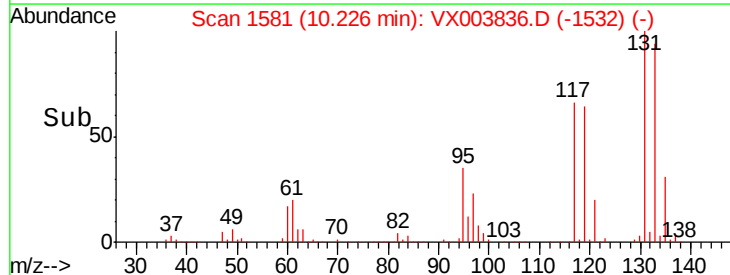
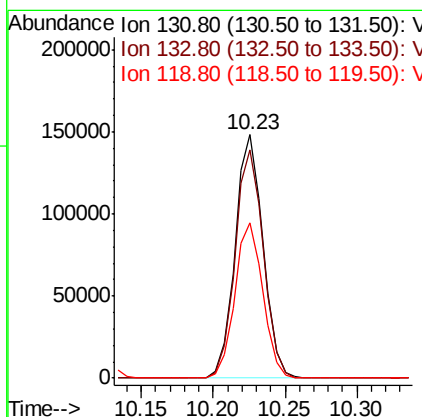
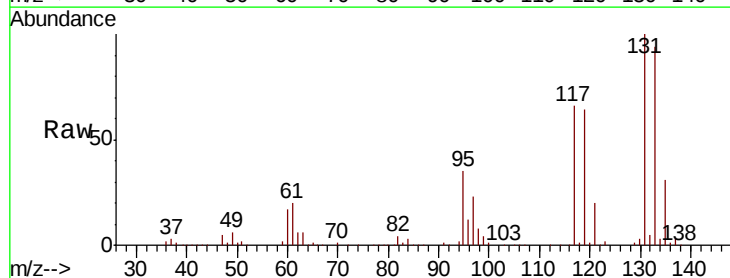
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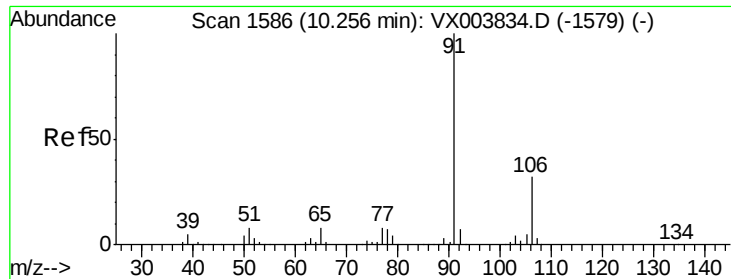
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 152.48 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion:131 Resp: 199038
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.8
119 64.3 32.8 98.3





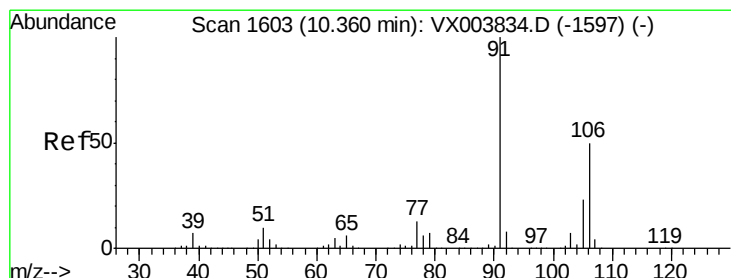
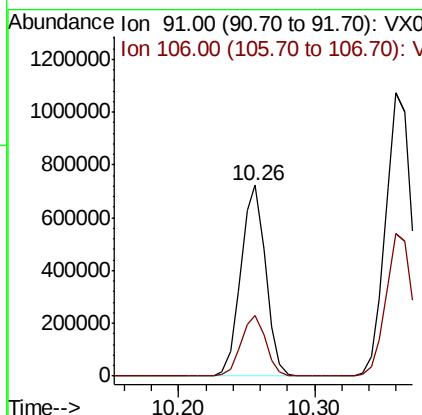
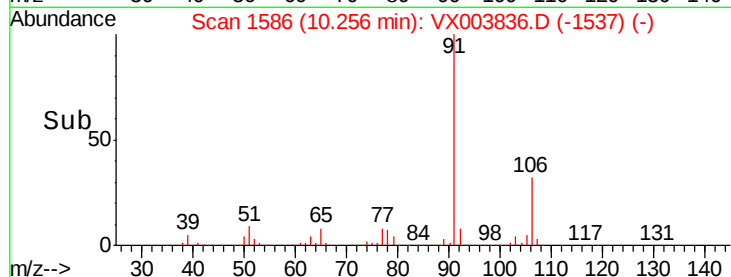
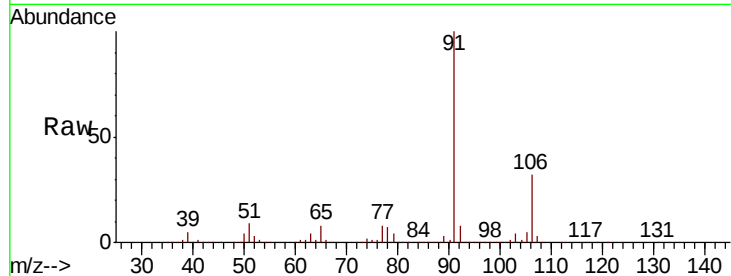
#67
Ethyl Benzene
Concen: 148.66 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 918995
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5

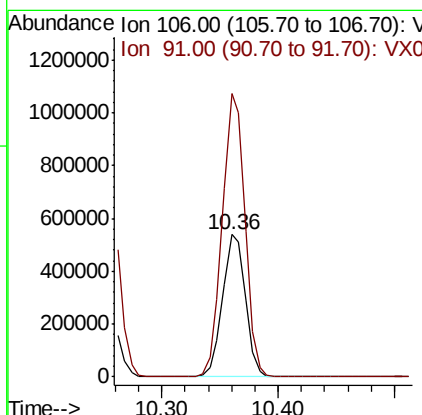
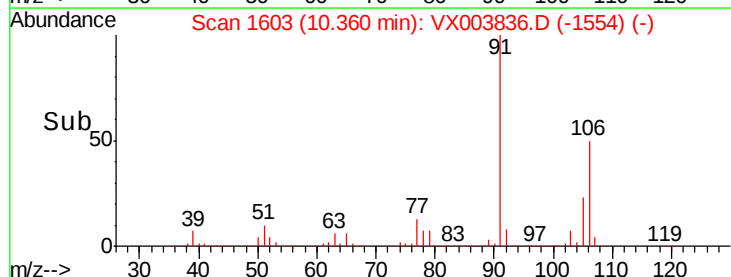
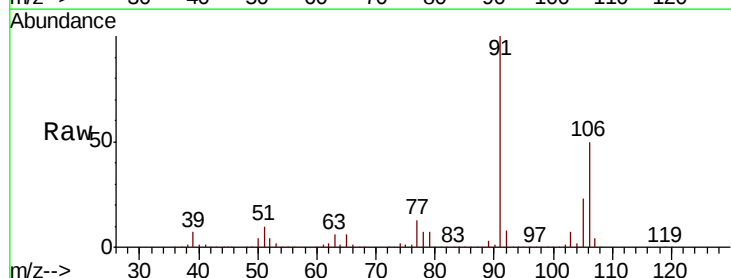
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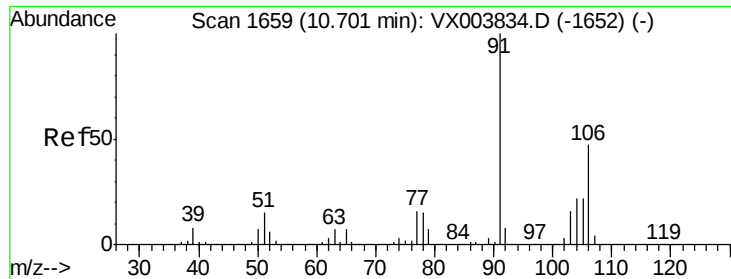
MMDadoda
8/6/2018 1:35:56 PM



#68
m/p-Xylenes
Concen: 305.88 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion: 106 Resp: 726902
Ion Ratio Lower Upper
106 100
91 198.2 161.3 241.9





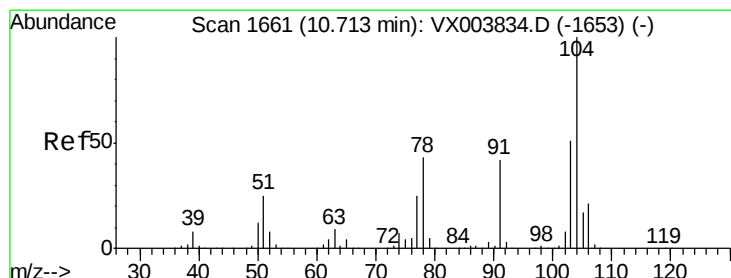
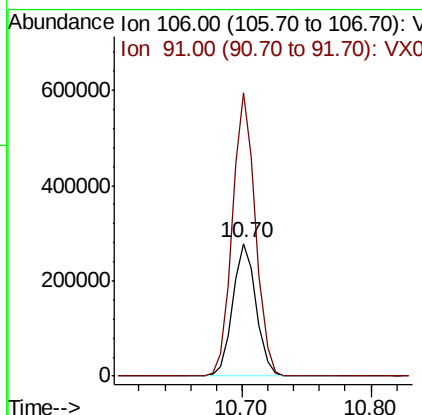
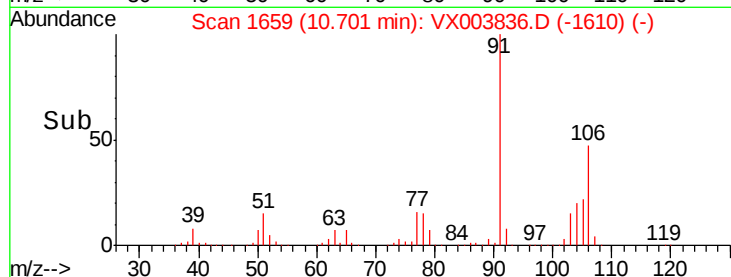
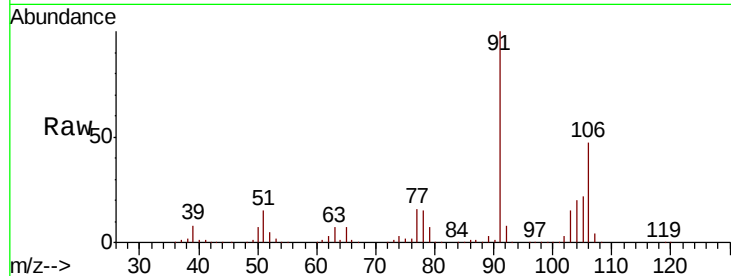
#69
o-Xylene
Concen: 153.42 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.1	105.7	317.1

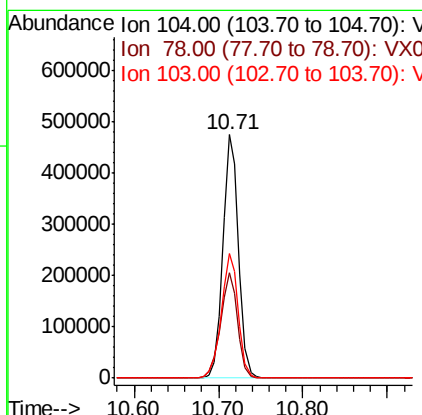
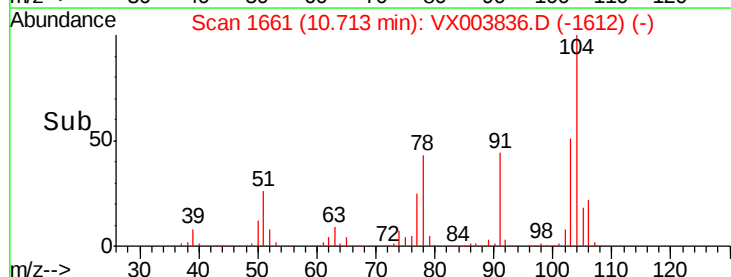
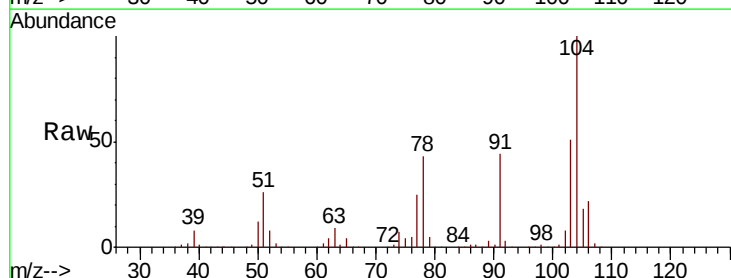
Manual Integrations
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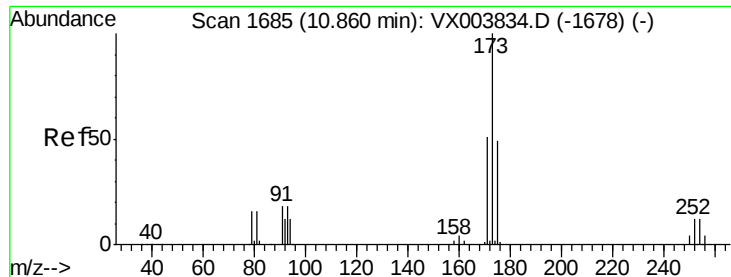
MMDadoda
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#70
Styrene
Concen: 155.68 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.8	56.8
103	55.3	44.2	66.4





#71

Bromoform

Concen: 175.44 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 182486

Ion Ratio Lower Upper

173 100

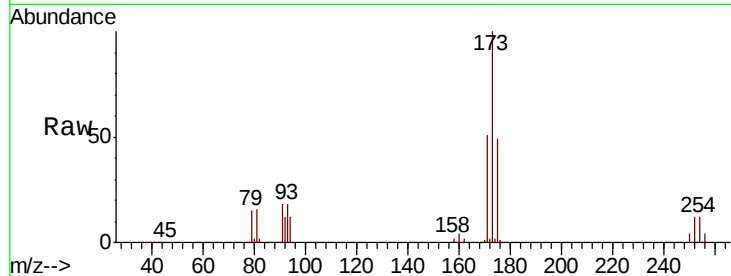
175 49.1 24.4 73.2

254 0.2 0.1 0.1#

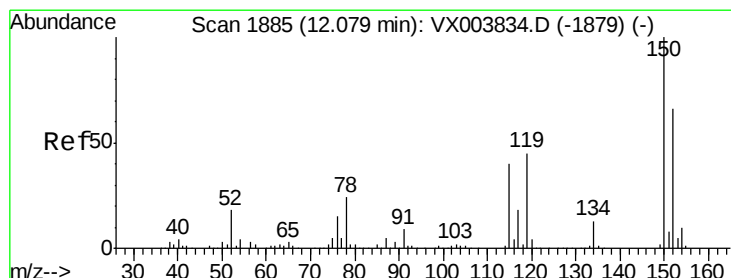
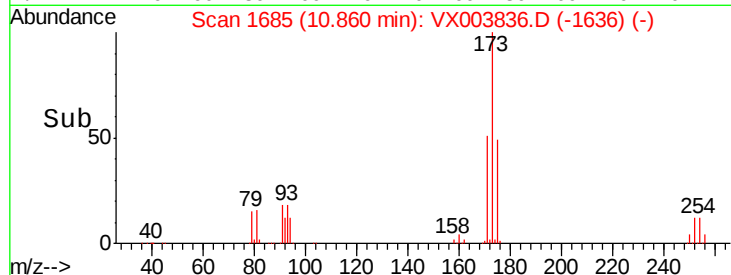
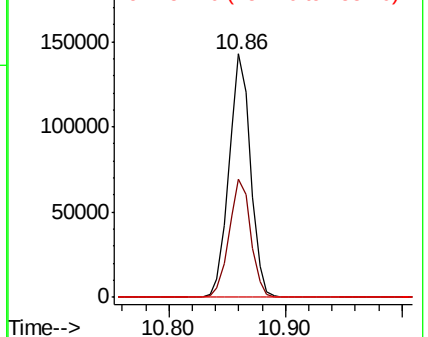
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

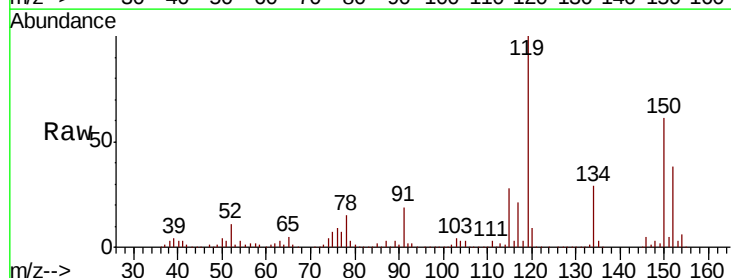
Tgt Ion:152 Resp: 97861

Ion Ratio Lower Upper

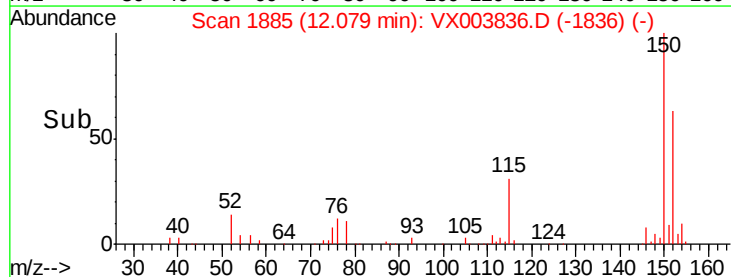
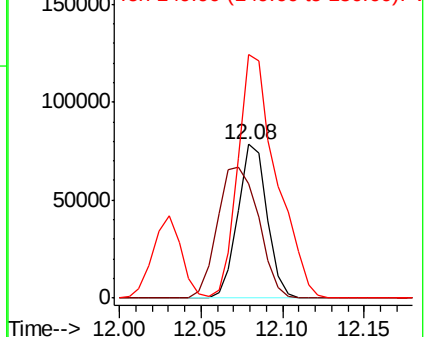
152 100

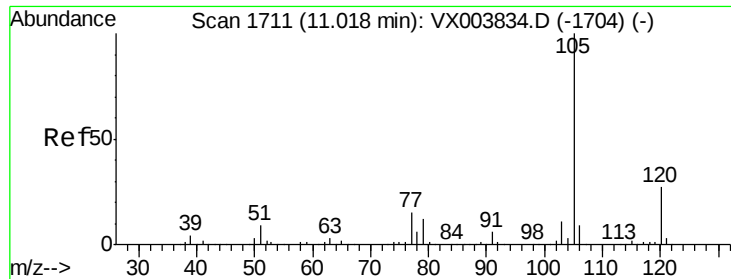
115 120.0 37.4 112.1#

150 208.6 0.0 346.6



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





#73

Isopropylbenzene

Concen: 142.77 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:105 Resp: 936035

Ion Ratio Lower Upper

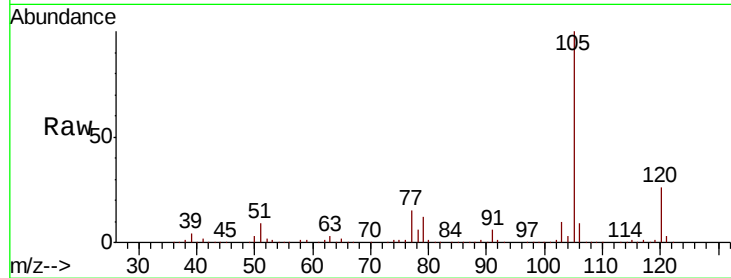
105 100

120 27.0 13.6 40.7

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

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

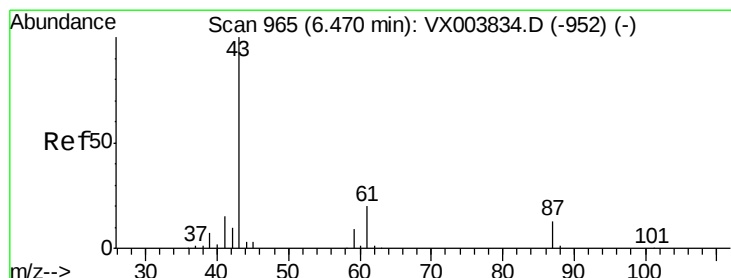
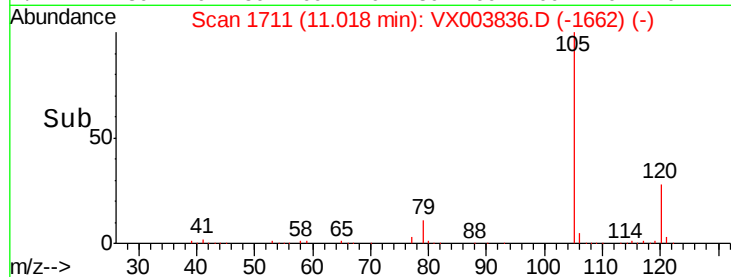
200000

0

11.02

11.00 11.10

Time-->



#74

N-ethyl acetate

Concen: 124.55 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Tgt Ion: 43 Resp: 428051

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 21.1 16.7 25.1

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

250000

200000

150000

100000

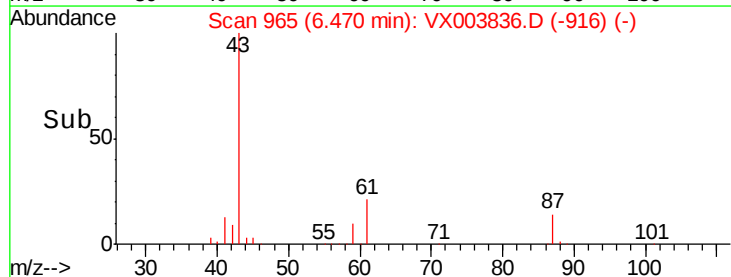
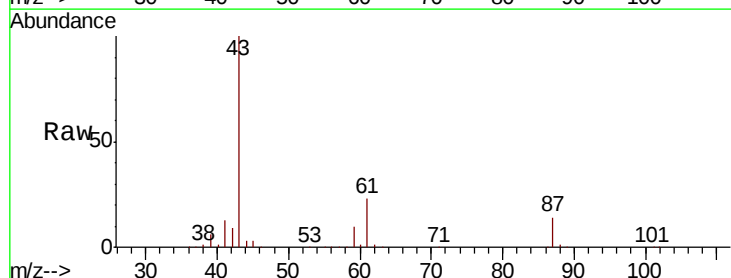
50000

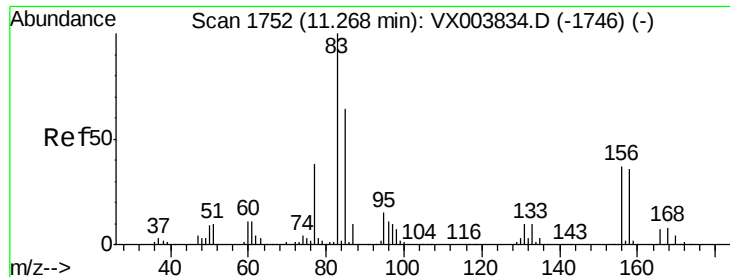
0

6.47

6.30 6.40 6.50 6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 130.56 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 320553
Ion Ratio Lower Upper

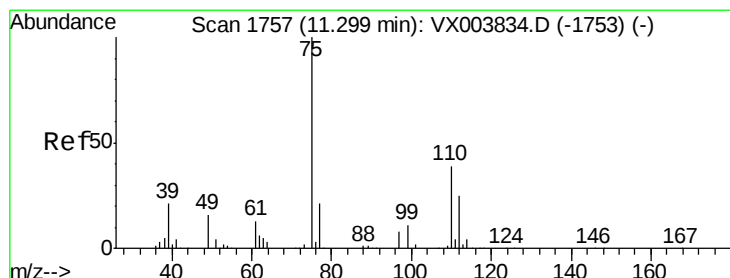
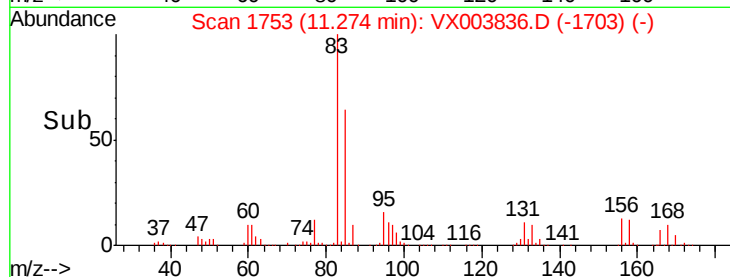
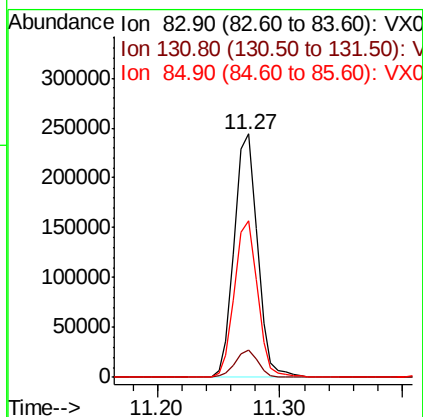
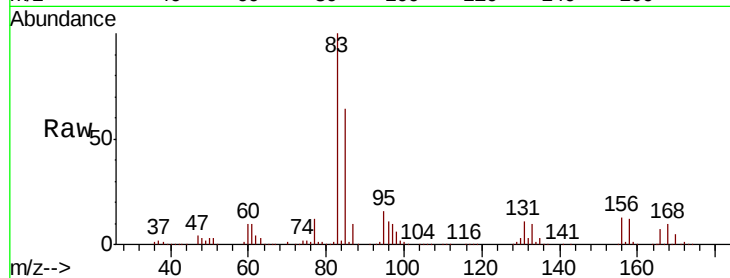
83 100

131 10.8 5.3 15.9

85 64.2 32.1 96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 132.42 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

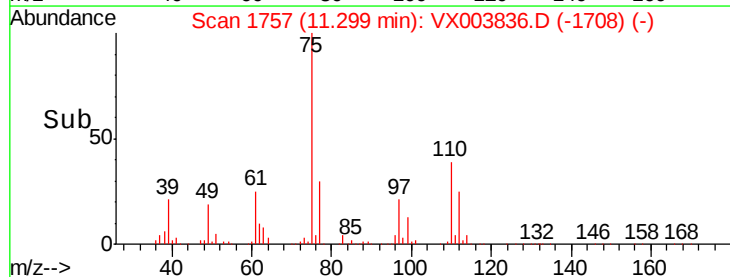
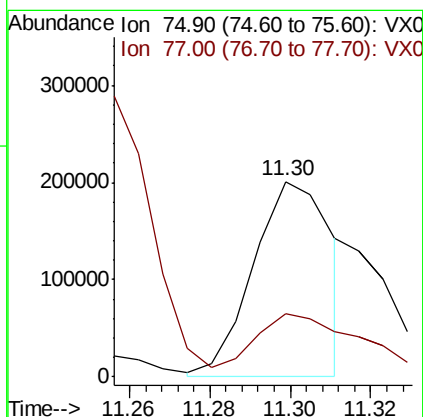
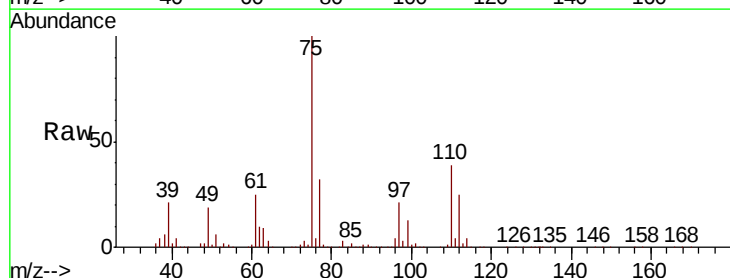
Lab File: VX003836.D

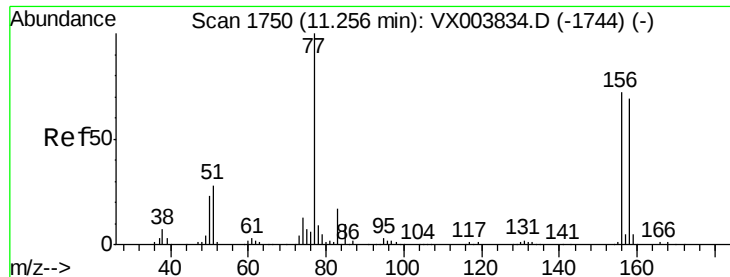
Acq: 02 Aug 2018 21:09

Tgt Ion: 75 Resp: 271301
Ion Ratio Lower Upper

75 100

77 44.5 21.1 63.3





#77

Bromobenzene

Concen: 142.95 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

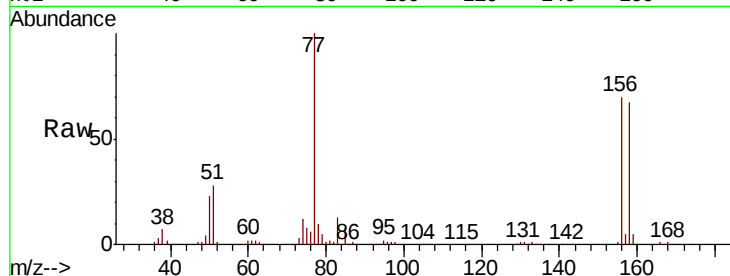
ClientSampleId :

VSTDIC150

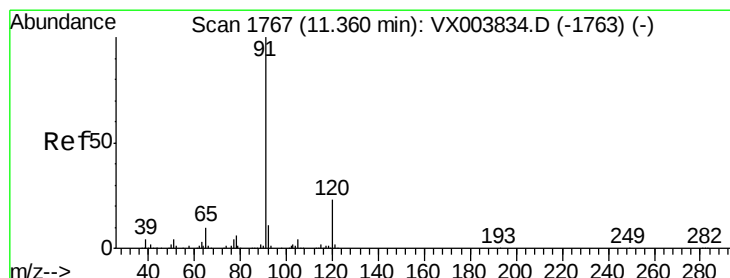
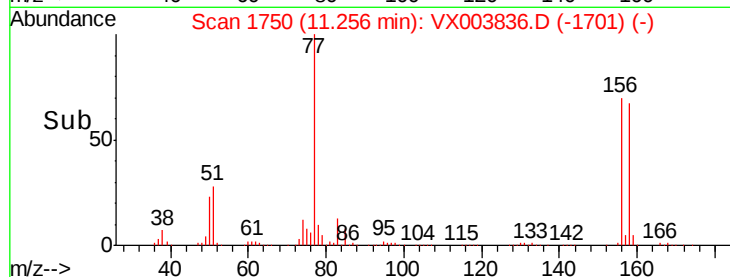
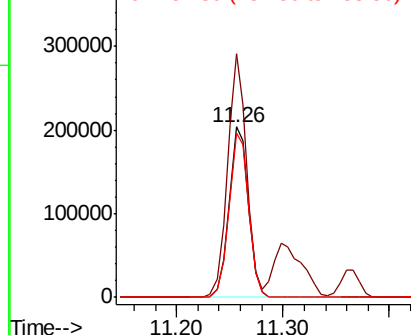
Tot Ion:	156	Resp:	260403
Ion Ratio	Lower	Upper	
156	100		
77	138.3	69.0	206.9
158	97.1	48.1	144.4

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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: 143.82 ug/l

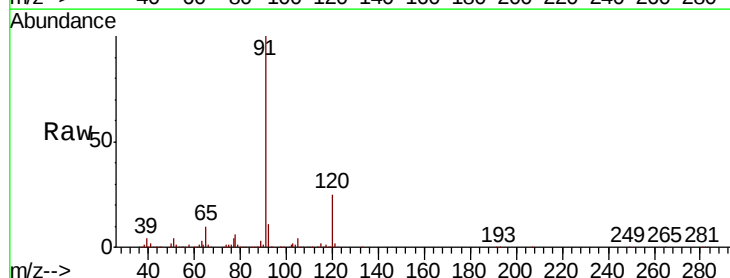
RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

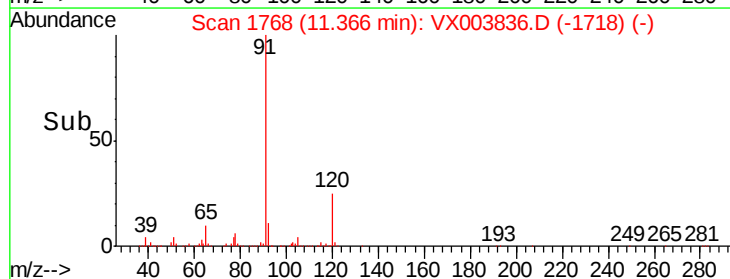
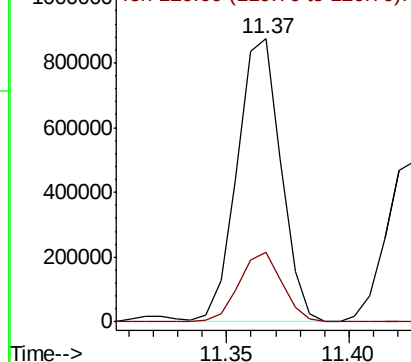
Lab File: VX003836.D

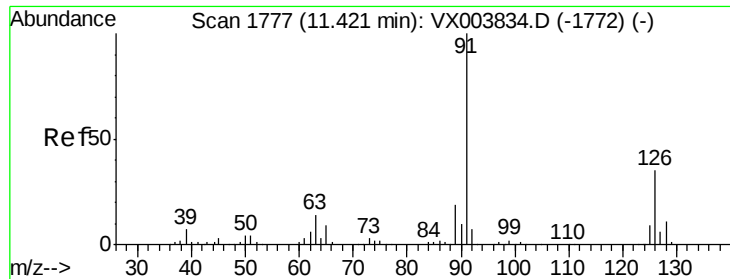
Acq: 02 Aug 2018 21:09

Tgt Ion:	91	Resp:	1084687
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.1	36.3



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





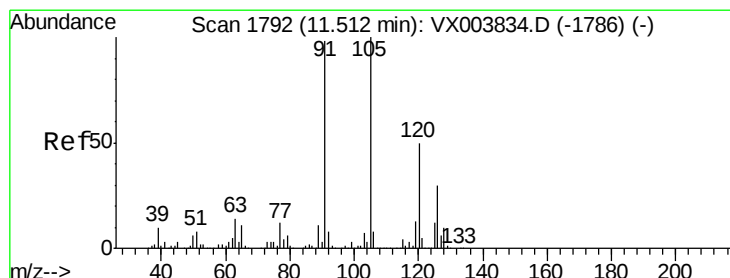
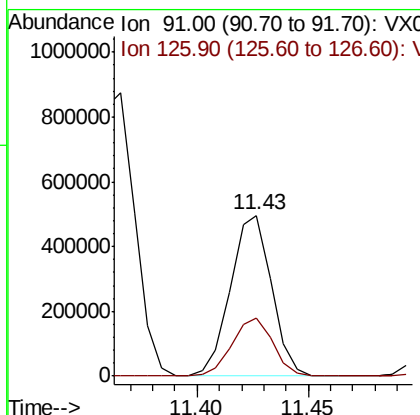
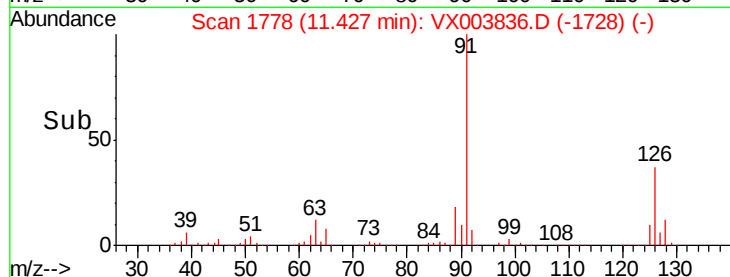
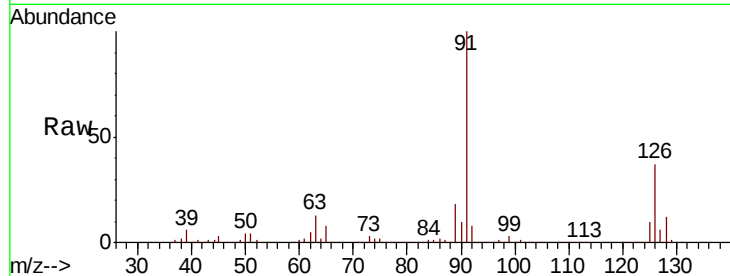
#79
 2-Chlorotoluene
 Concen: 137.09 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 635597
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.9 53.7

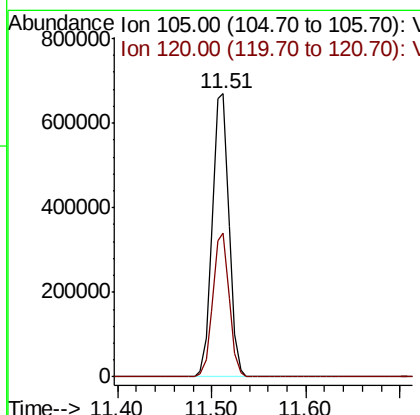
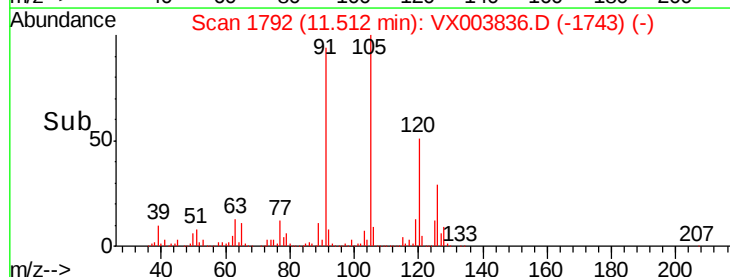
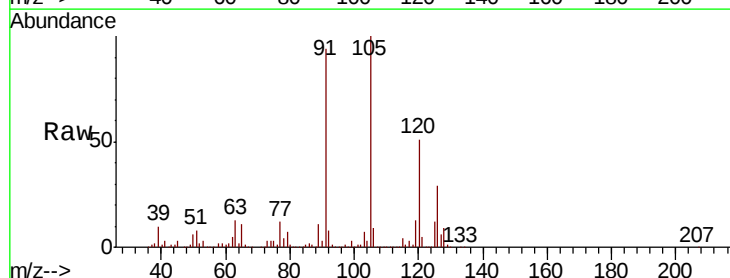
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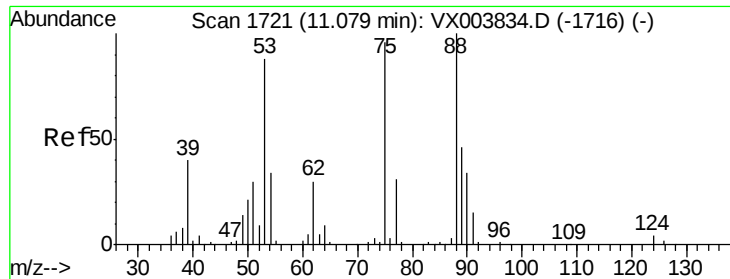
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 147.39 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion: 105 Resp: 820892
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 156.20 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

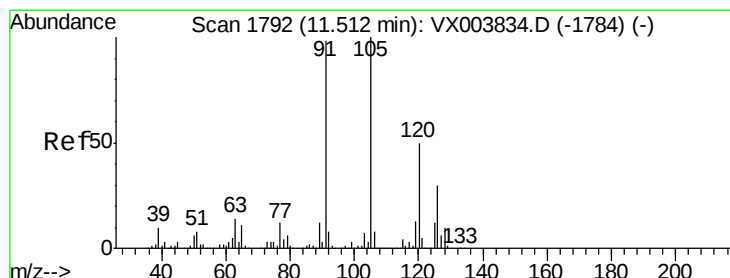
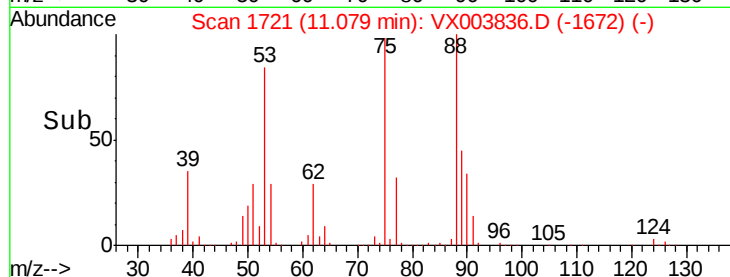
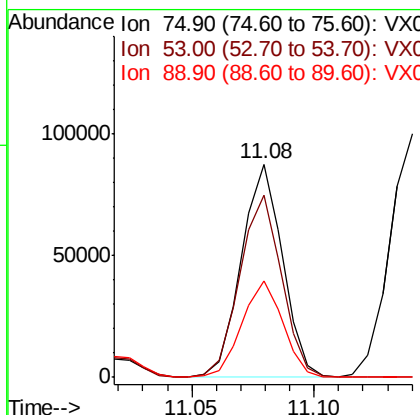
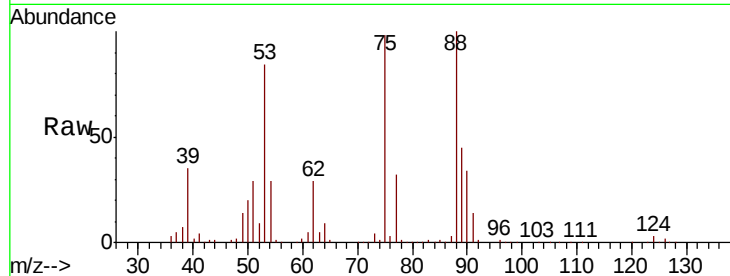
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	102740
Ion Ratio	Lower	Upper	
75	100		
53	86.6	74.9	112.3
89	45.2	36.6	54.8

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#82

4-Chlorotoluene

Concen: 140.28 ug/l

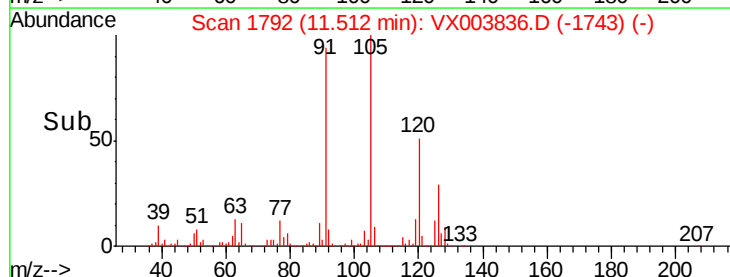
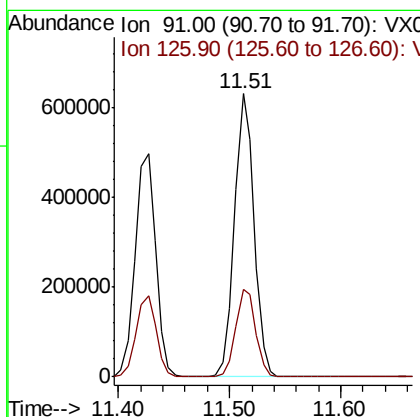
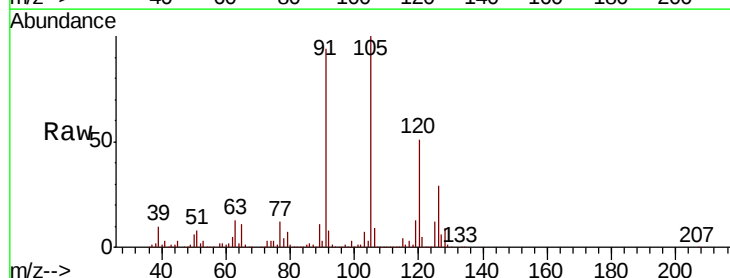
RT: 11.51 min Scan# 1792

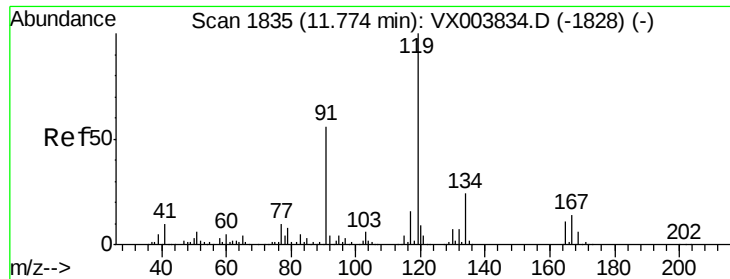
Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Tgt Ion:	91	Resp:	765617
Ion Ratio	Lower	Upper	
91	100		
126	31.6	16.0	47.9





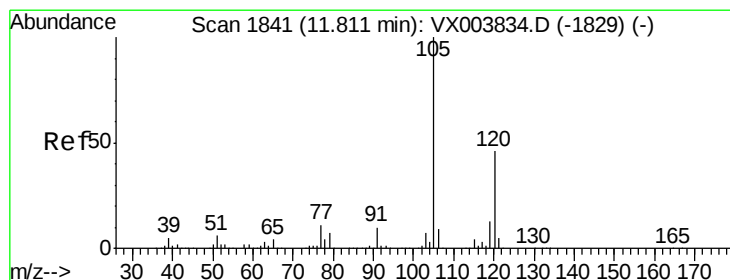
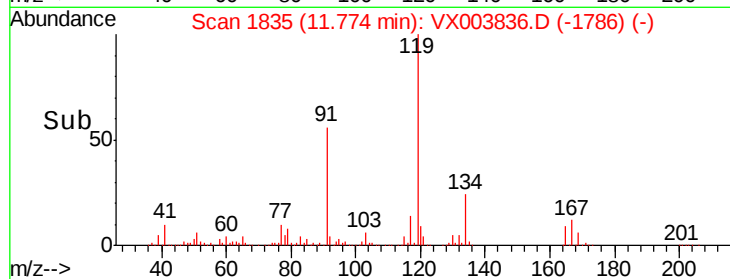
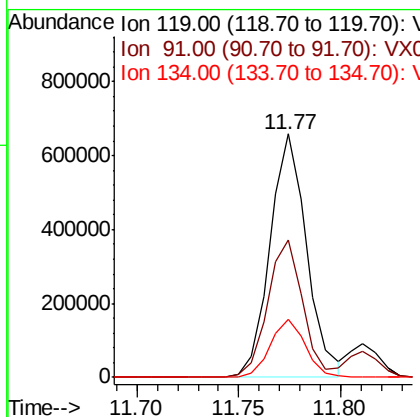
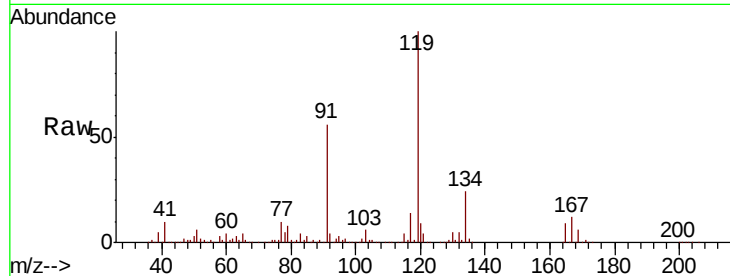
#83
 tert-Butylbenzene
 Concen: 151.54 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.5	26.6	79.7
134	23.0	11.6	34.7

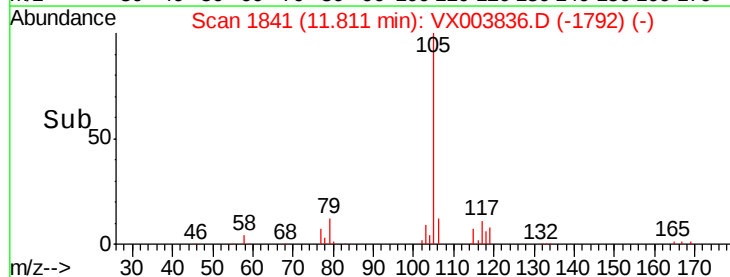
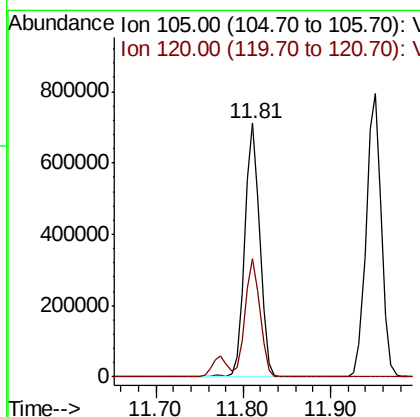
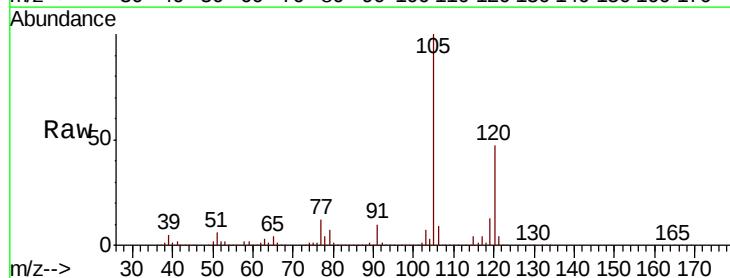
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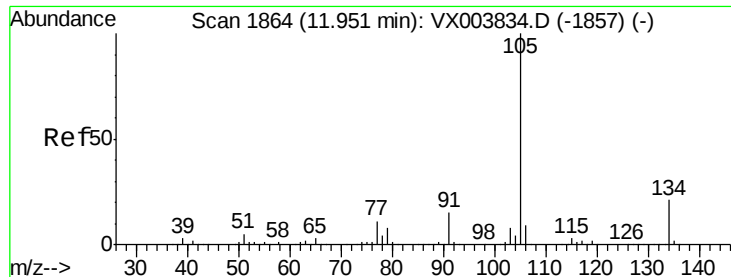
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#84
 1,2,4-Trimethylbenzene
 Concen: 147.71 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.5





#85

sec-Butylbenzene

Concen: 150.23 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 964981

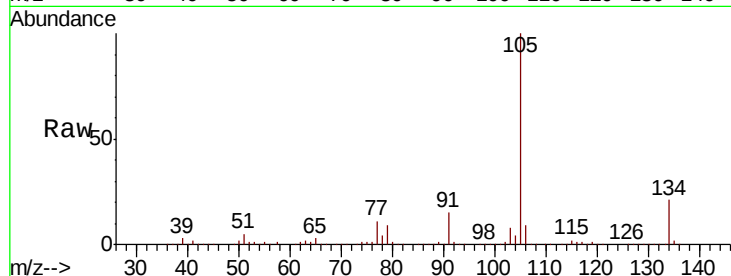
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4

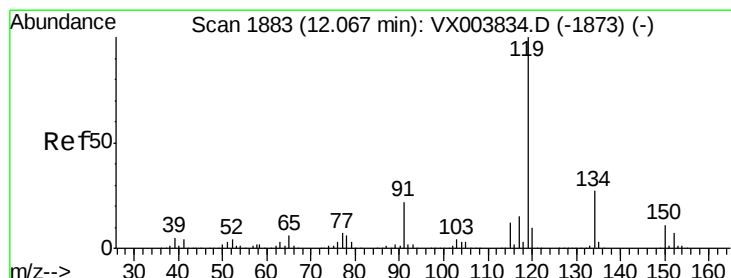
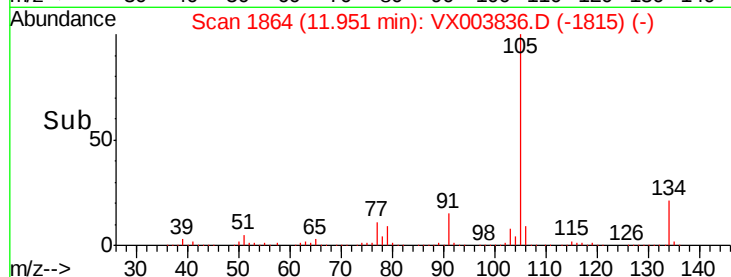
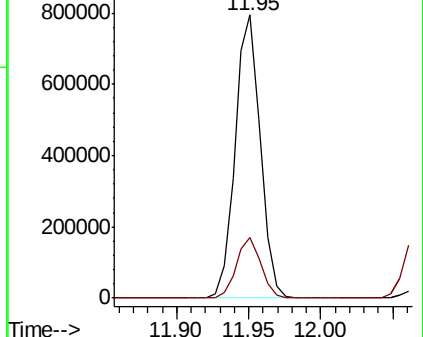
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 153.84 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

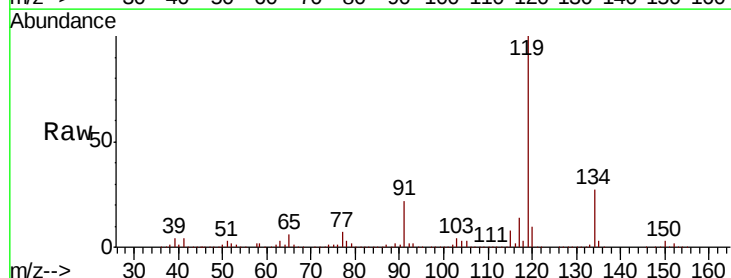
Tgt Ion:119 Resp: 891467

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

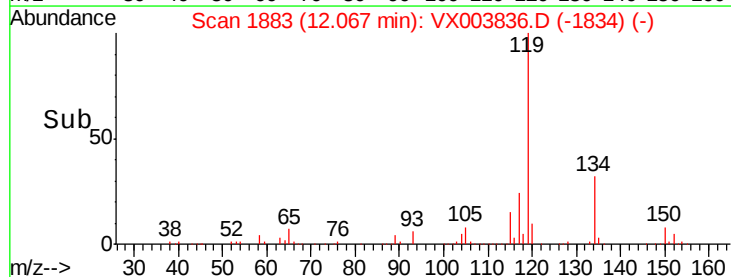
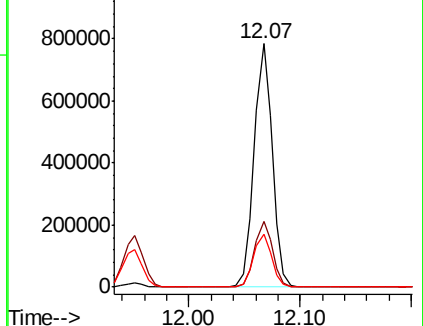
91 21.9 11.1 33.1

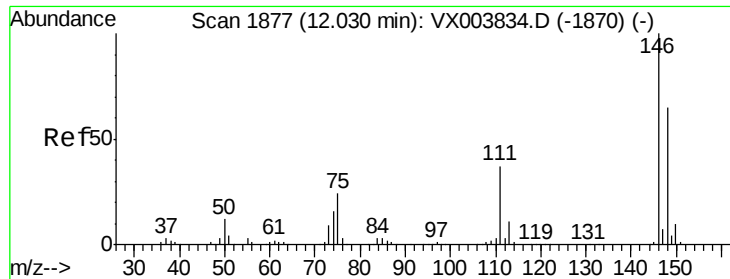


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





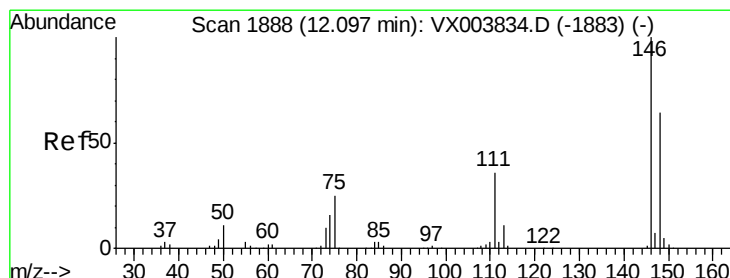
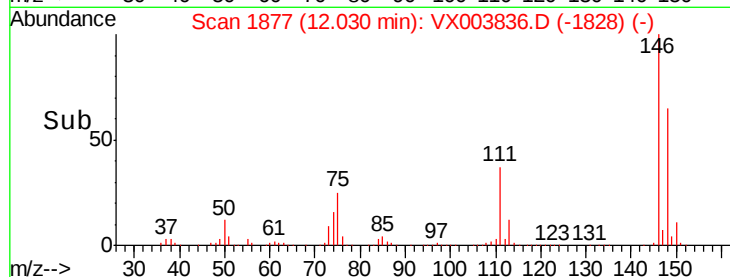
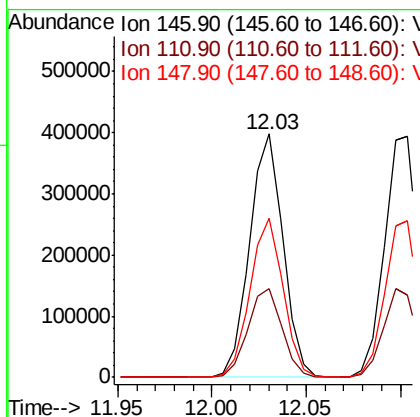
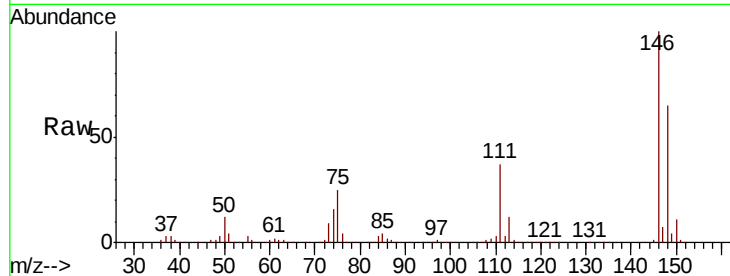
#87
 1,3-Dichlorobenzene
 Concen: 145.06 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	64.7	32.2	96.6

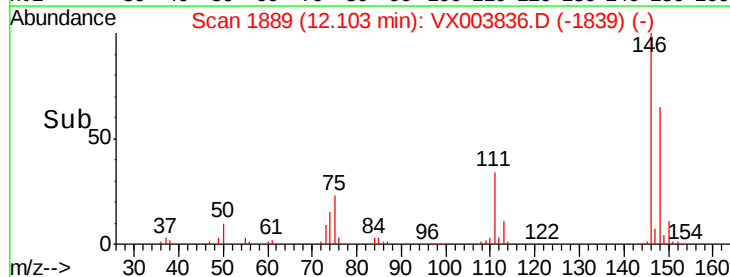
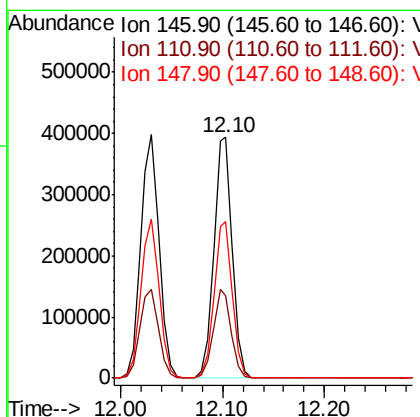
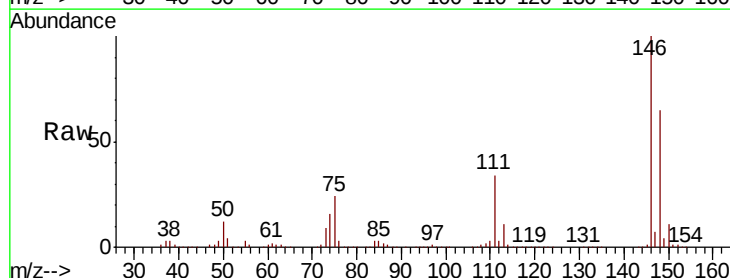
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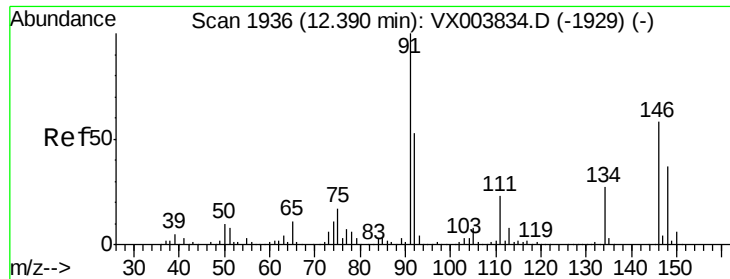
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#88
 1,4-Dichlorobenzene
 Concen: 142.24 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.3
148	64.4	32.1	96.5





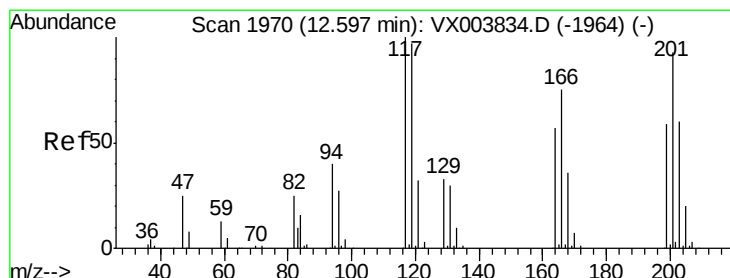
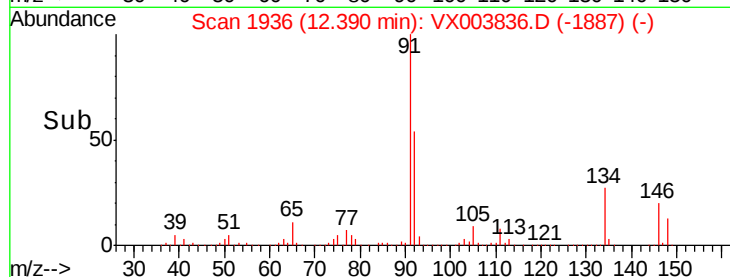
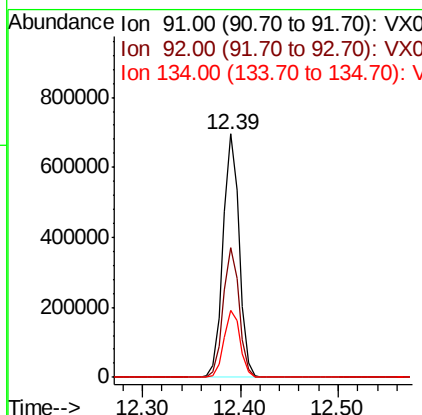
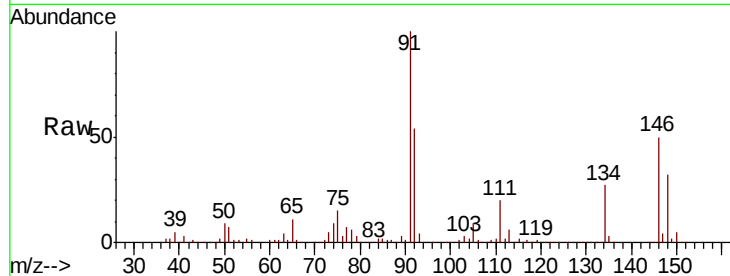
#89
n-Butylbenzene
Concen: 152.54 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.9
134	27.7	13.7	41.0

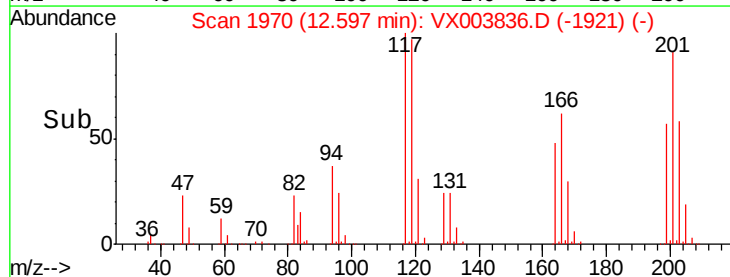
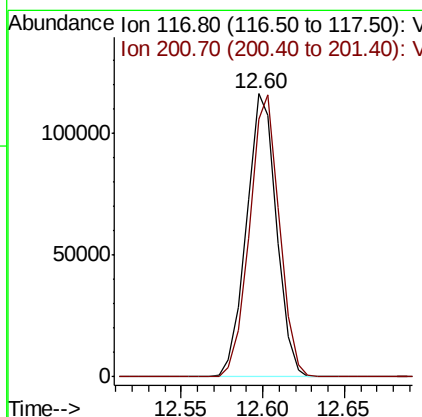
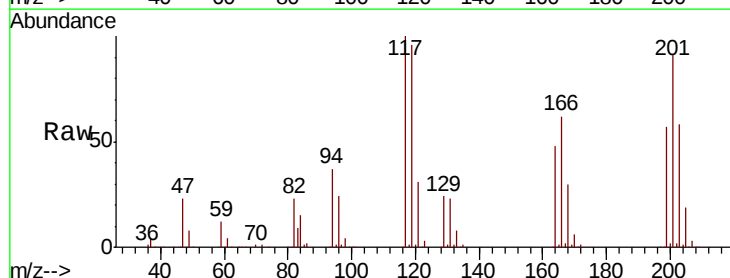
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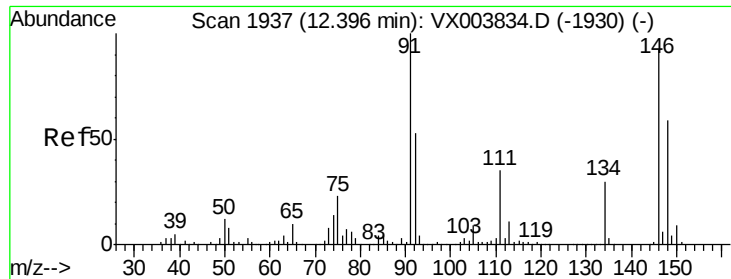
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#90
Hexachloroethane
Concen: 167.03 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003836.D
Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.9	49.9	149.6





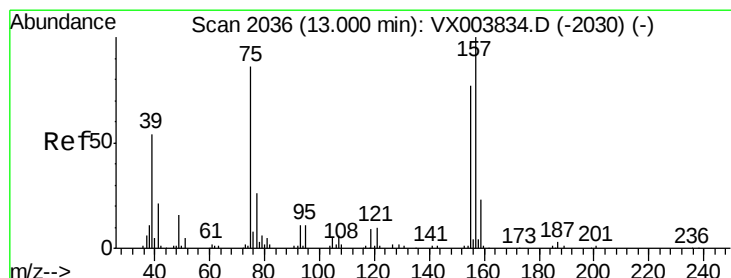
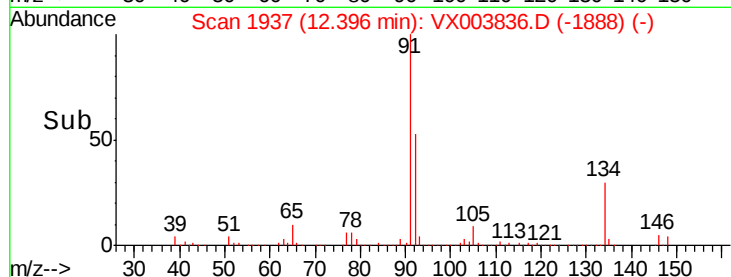
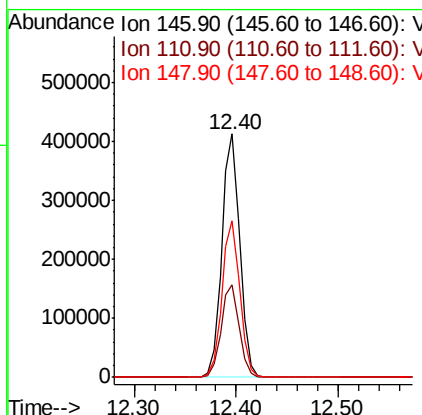
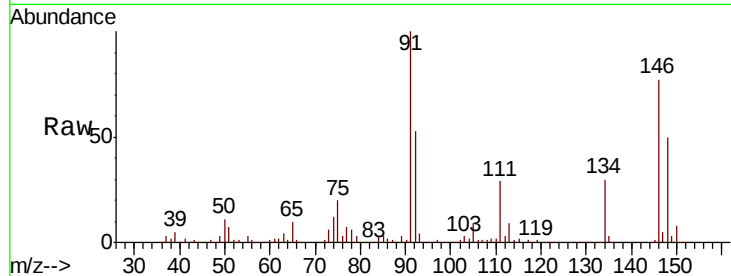
#91
 1,2-Dichlorobenzene
 Concen: 145.80 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	64.3	32.0	96.2

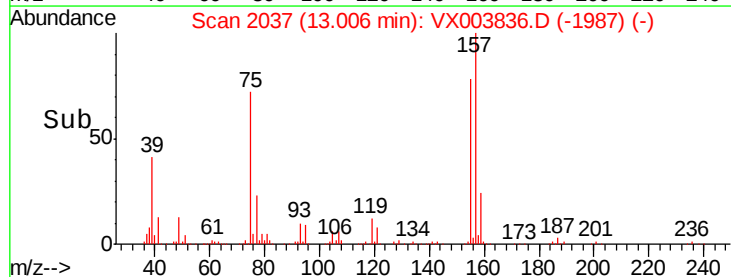
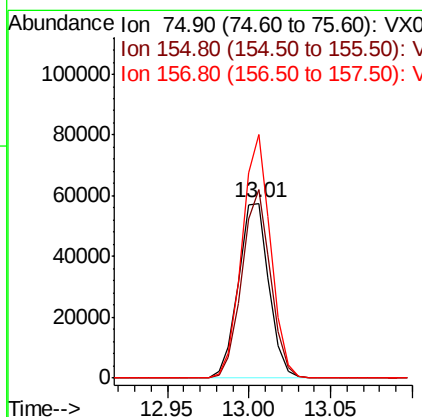
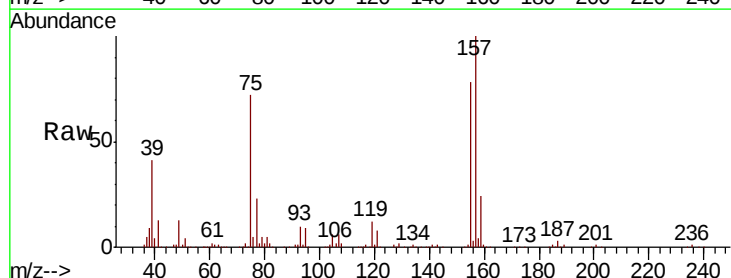
Manual Integrations
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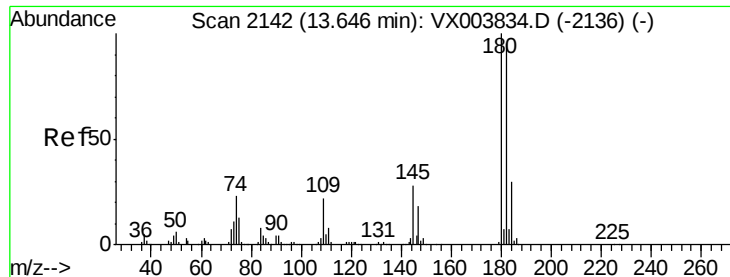
MMDadoda
 8/6/2018 1:35:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 145.85 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	49.5	148.3
157	130.6	64.5	193.5





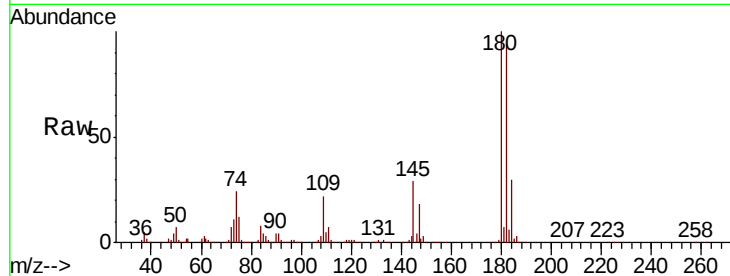
#93
 1,2,4-Trichlorobenzene
 Concen: 158.59 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

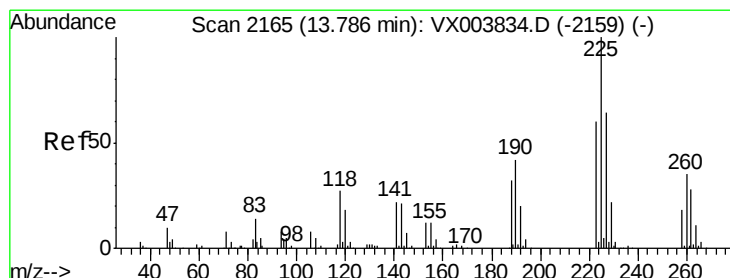
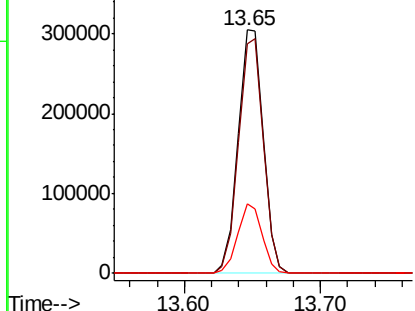
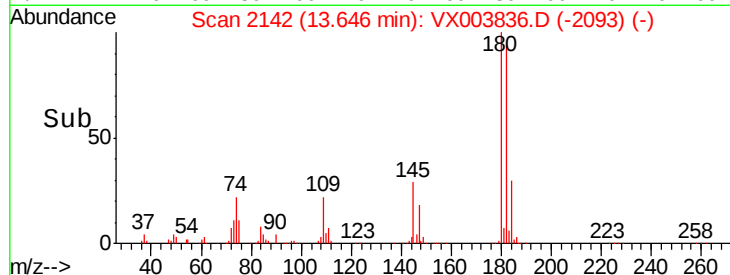
Tot Ion:	180	Resp:	390967
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.6	142.9
145	27.6	13.8	41.3

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 1:35:56 PM

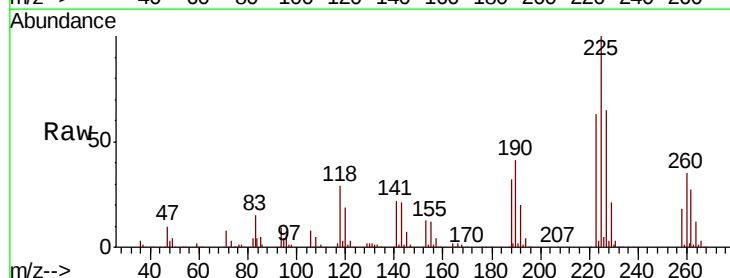


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

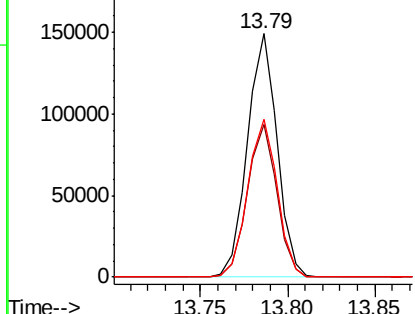
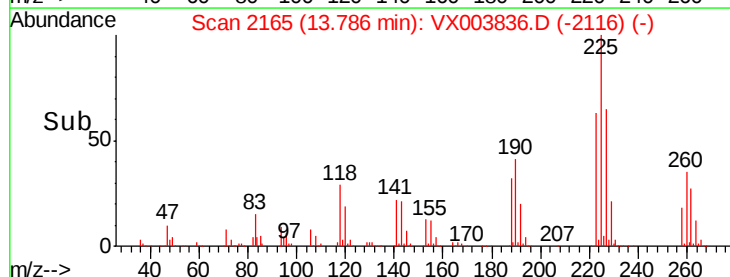


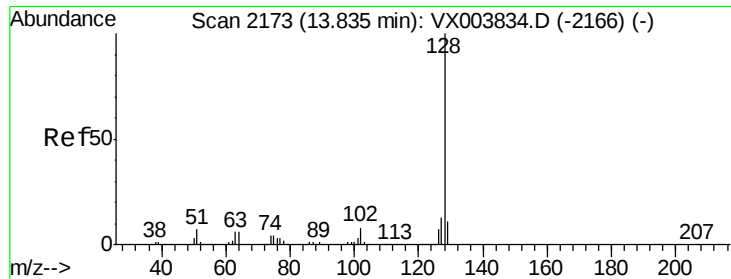
#94
 Hexachlorobutadiene
 Concen: 157.67 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003836.D
 Acq: 02 Aug 2018 21:09

Tgt Ion:	225	Resp:	175408
Ion Ratio	Lower	Upper	
225	100		
223	62.5	30.4	91.3
227	64.7	32.2	96.6



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





#95

Naphthalene

Concen: 153.78 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1146320

Ion Ratio Lower Upper

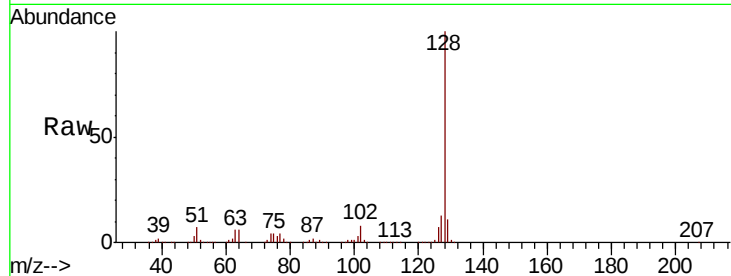
128 100

127 12.9 10.2 15.4

129 11.1 8.7 13.1

Manual Integrations
APPROVED

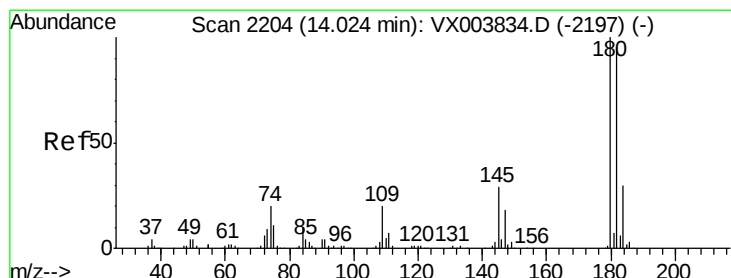
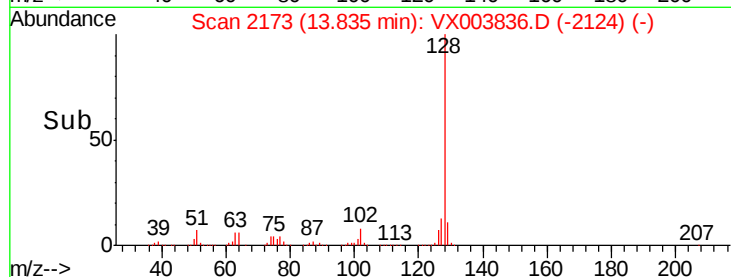
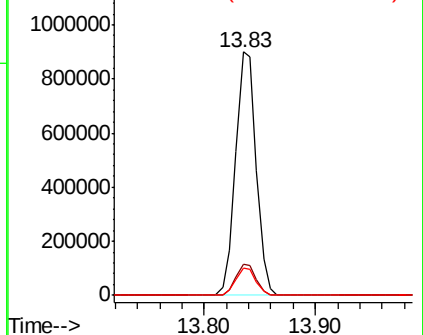
MMDadoda
8/6/2018 1:35:56 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 155.24 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003836.D

Acq: 02 Aug 2018 21:09

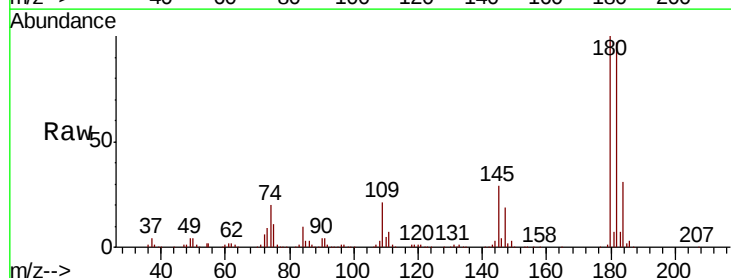
Tgt Ion:180 Resp: 389429

Ion Ratio Lower Upper

180 100

182 95.8 47.8 143.4

145 29.4 14.6 44.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

