

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060918\
 Data File : VX002420.D
 Acq On : 09 Jun 2018 14:49
 Operator : JC/MD
 Sample : VX0609WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0609WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2018 2:32:53 PM

Quant Time: Jun 11 04:33:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354258	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	342627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	219549	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	188661	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
35) Dibromofluoromethane	5.51	113	143485	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	8.72	98	527929	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.14	95	206421	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49676	19.49	ug/l	95
3) Chloromethane	1.32	50	57827	17.96	ug/l	98
4) Vinyl Chloride	1.40	62	61781	19.24	ug/l	99
5) Bromomethane	1.64	94	36644	18.03	ug/l	99
6) Chloroethane	1.72	64	41539	19.99	ug/l	95
7) Trichlorofluoromethane	1.93	101	111551	22.79	ug/l	97
8) Diethyl Ether	2.19	74	44586	24.41	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	63941	24.21	ug/l	98
10) Methyl Iodide	2.51	142	55367	14.91	ug/l	99
11) Tert butyl alcohol	3.07	59	84633	106.43	ug/l	97
12) 1,1-Dichloroethene	2.37	96	54901	21.04	ug/l	98
13) Acrolein	2.29	56	41283	113.26	ug/l	98
14) Allyl chloride	2.73	41	113894	20.11	ug/l	99
15) Acrylonitrile	3.15	53	186914	120.25	ug/l	99
16) Acetone	2.45	43	194379	118.86	ug/l	99
17) Carbon Disulfide	2.57	76	124137	18.05	ug/l	99
18) Methyl Acetate	2.78	43	91971	24.83	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	234524	24.59	ug/l	98
20) Methylene Chloride	2.86	84	67912	23.01	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	59740	20.76	ug/l	95
22) Diisopropyl ether	3.87	45	212778	21.64	ug/l	98
23) Vinyl Acetate	3.82	43	969594	105.60	ug/l	100
24) 1,1-Dichloroethane	3.70	63	122120	21.82	ug/l	100
25) 2-Butanone	4.71	43	248616	103.43	ug/l	98
26) 2,2-Dichloropropane	4.59	77	82565	18.87	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	62695	20.03	ug/l	95
28) Bromochloromethane	5.02	49	67646	26.76	ug/l	100
29) Tetrahydrofuran	5.17	42	156070	100.70	ug/l	98
30) Chloroform	5.22	83	110326	20.42	ug/l	99
31) Cyclohexane	5.58	56	88735	20.05	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	91712	20.02	ug/l	99
36) 1,1-Dichloropropene	5.80	75	75273	20.21	ug/l	100
37) Ethyl Acetate	4.86	43	96843	21.62	ug/l	99
38) Carbon Tetrachloride	5.78	117	79454	20.39	ug/l	99

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Quant Time: Jun 11 04:33:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	93634	20.51	ug/l	97
40) Benzene	6.15	78	235424	20.62	ug/l	100
41) Methacrylonitrile	5.07	41	53722	20.95	ug/l	97
42) 1,2-Dichloroethane	6.20	62	98975	21.82	ug/l	100
43) Isopropyl Acetate	6.47	43	161366	21.21	ug/l	99
44) Trichloroethene	7.21	130	66243	20.90	ug/l	97
45) 1,2-Dichloropropane	7.52	63	64921	21.06	ug/l	99
46) Dibromomethane	7.67	93	45401	21.72	ug/l	99
47) Bromodichloromethane	7.90	83	79395	21.01	ug/l	96
48) Methyl methacrylate	7.78	41	81489	21.33	ug/l	96
49) 1,4-Dioxane	7.76	88	30953	433.22	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	520081	109.78	ug/l	100
52) Toluene	8.79	92	152889	21.05	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	94941	20.95	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	89243	20.87	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	67763	22.69	ug/l	96
56) Ethyl methacrylate	9.18	69	104188	21.85	ug/l	99
57) 1,3-Dichloropropane	9.37	76	111538	22.26	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	242870	110.03	ug/l	100
59) 2-Hexanone	9.50	43	396778	108.43	ug/l	99
60) Dibromochloromethane	9.59	129	65080	21.66	ug/l	100
61) 1,2-Dibromoethane	9.68	107	70009	22.48	ug/l	99
64) Tetrachloroethene	9.34	164	71877	20.34	ug/l	94
65) Chlorobenzene	10.14	112	181191	21.25	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	65746	21.30	ug/l	99
67) Ethyl Benzene	10.26	91	303505	21.27	ug/l	100
68) m/p-Xylenes	10.36	106	233761	42.15	ug/l	99
69) o-Xylene	10.70	106	116627	21.13	ug/l	99
70) Styrene	10.71	104	193969	21.50	ug/l	99
71) Bromoform	10.86	173	48552	19.80	ug/l #	100
73) Isopropylbenzene	11.02	105	314689	20.60	ug/l	100
74) N-amyl acetate	6.47	43	161366	19.61	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	101104	21.05	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	100227m	20.80	ug/l	
77) Bromobenzene	11.26	156	87220	20.34	ug/l	99
78) n-propylbenzene	11.37	91	360540	21.24	ug/l	100
79) 2-Chlorotoluene	11.43	91	214566	20.02	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	271064	20.69	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	24542	17.86	ug/l	91
82) 4-Chlorotoluene	11.51	91	253451	20.49	ug/l	100
83) tert-Butylbenzene	11.77	119	266197	20.87	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	278903	20.68	ug/l	98
85) sec-Butylbenzene	11.95	105	325828	21.79	ug/l	100
86) p-Isopropyltoluene	12.07	119	295704	21.71	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	160851	20.98	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	164535	20.82	ug/l	99
89) n-Butylbenzene	12.39	91	259111	22.68	ug/l	100
90) Hexachloroethane	12.60	117	40508	18.63	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	165783	20.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20765	19.77	ug/l	99

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ClientSampleId :
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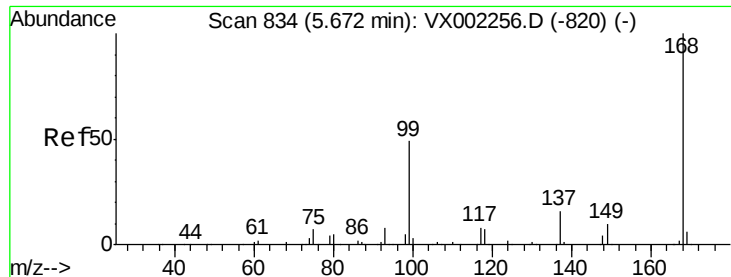
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	121917	21.92	ug/l	100
94) Hexachlorobutadiene	13.79	225	64375	23.42	ug/l	99
95) Naphthalene	13.84	128	349853	21.89	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	124630	21.97	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion:168 Resp: 245157

Ion Ratio Lower Upper

168 100

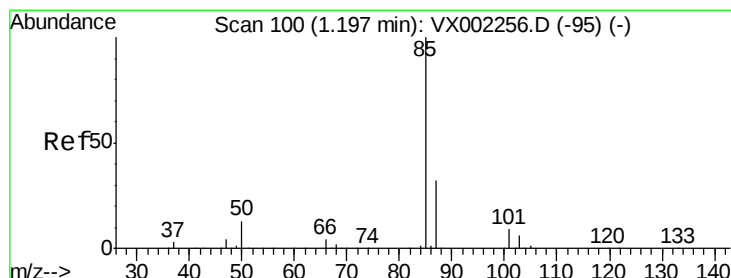
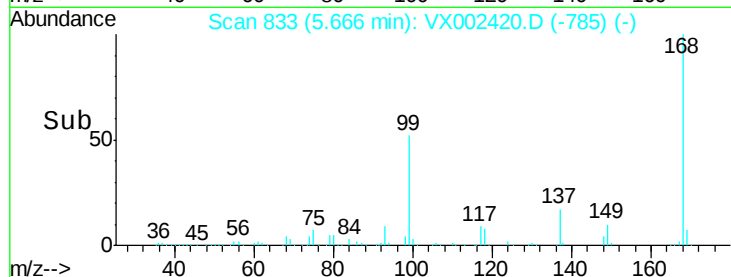
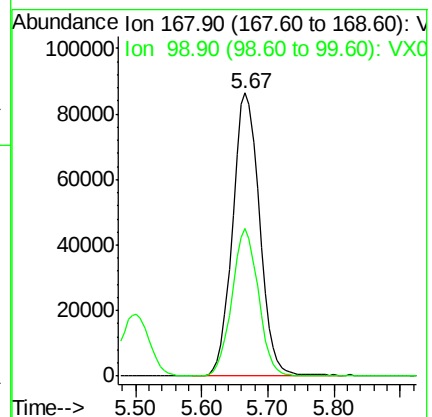
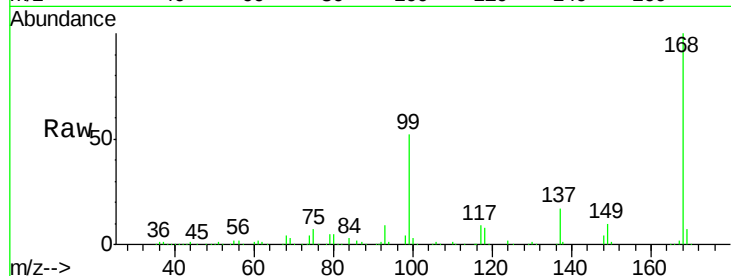
99 52.3 39.3 58.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.49 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002420.D

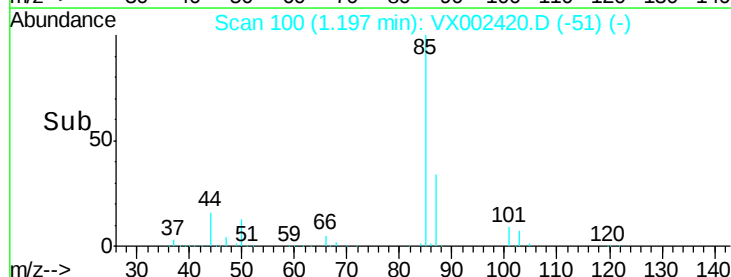
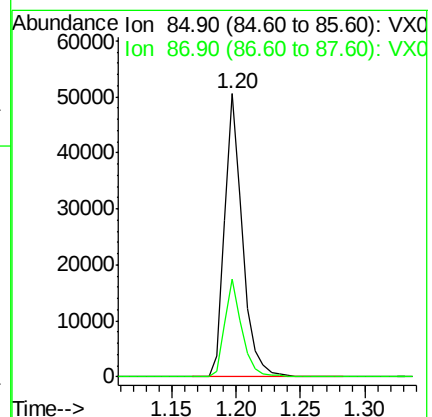
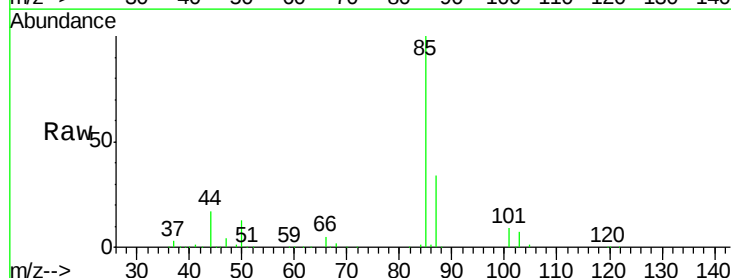
Acq: 09 Jun 2018 14:49

Tgt Ion: 85 Resp: 49676

Ion Ratio Lower Upper

85 100

87 34.5 16.0 47.9





#3

Chloromethane

Concen: 17.96 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion: 50 Resp: 57827

Ion Ratio Lower Upper

50 100

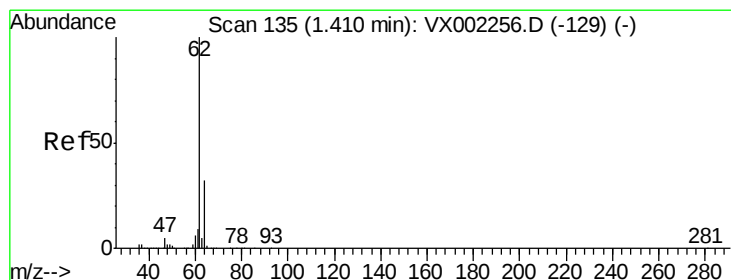
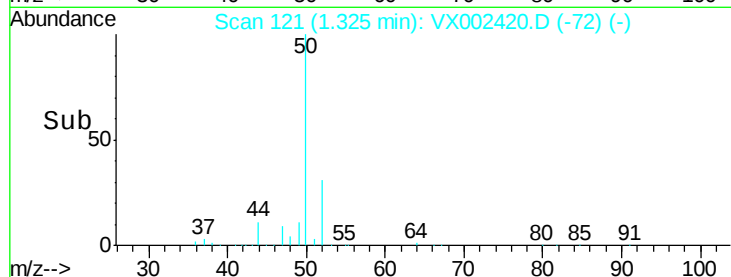
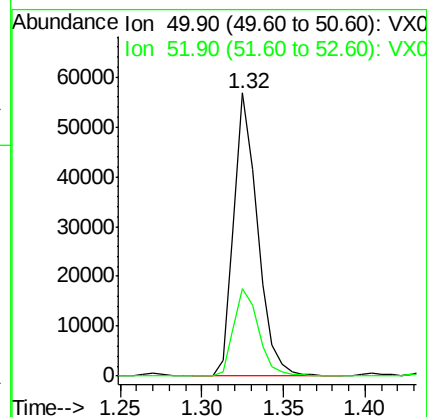
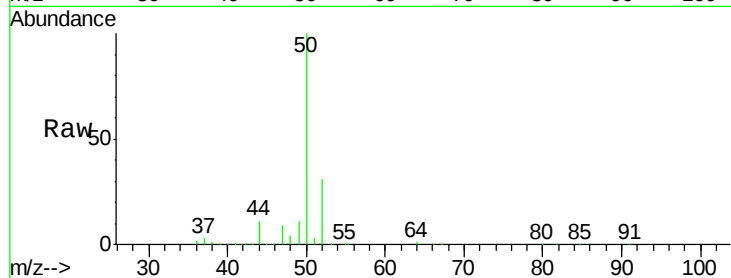
52 30.7 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.24 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002420.D

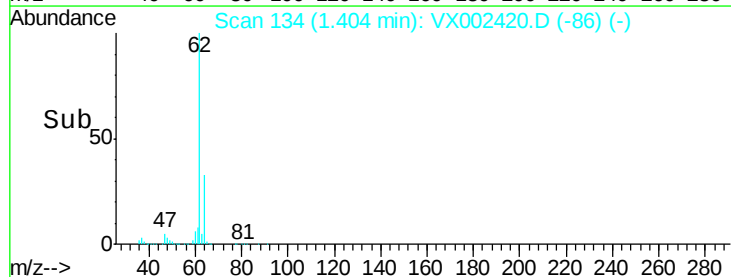
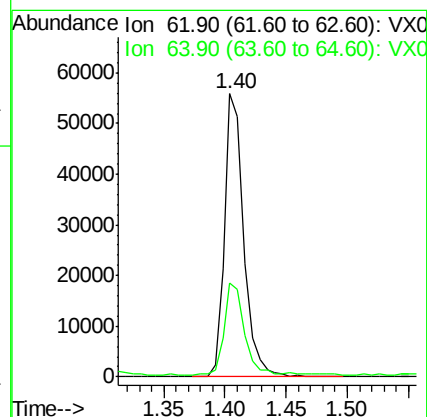
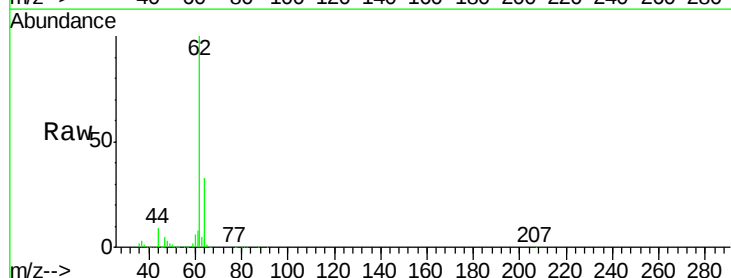
Acq: 09 Jun 2018 14:49

Tgt Ion: 62 Resp: 61781

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 18.03 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion: 94 Resp: 36644

Ion Ratio Lower Upper

94 100

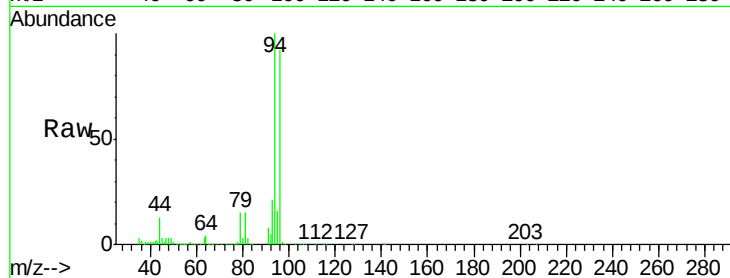
96 92.3 74.9 112.3

Manual Integrations

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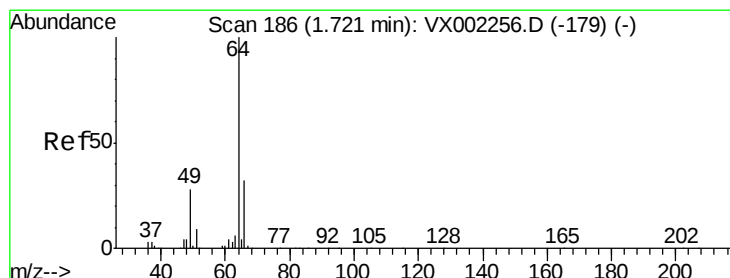
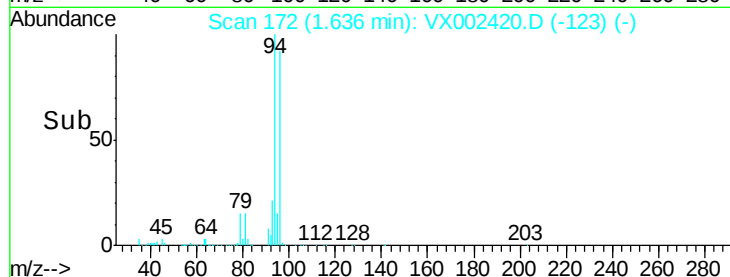
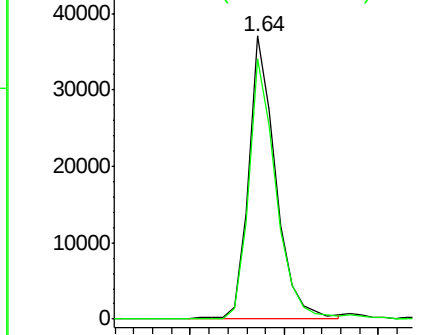
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.99 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002420.D

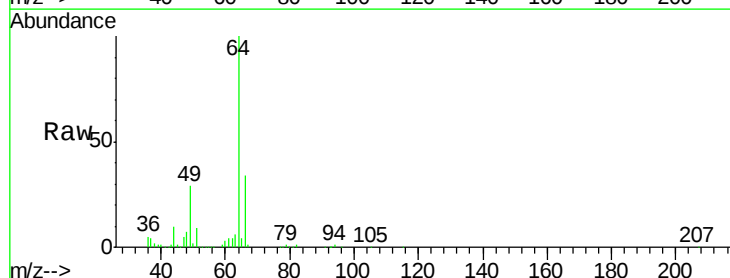
Acq: 09 Jun 2018 14:49

Tgt Ion: 64 Resp: 41539

Ion Ratio Lower Upper

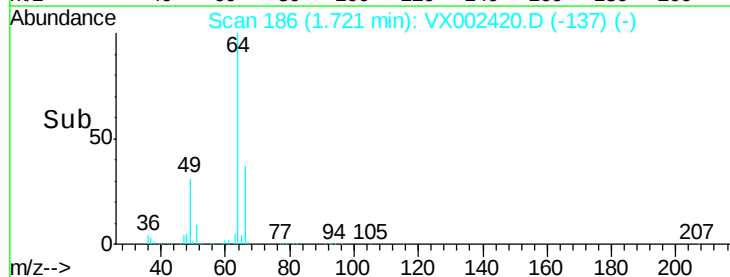
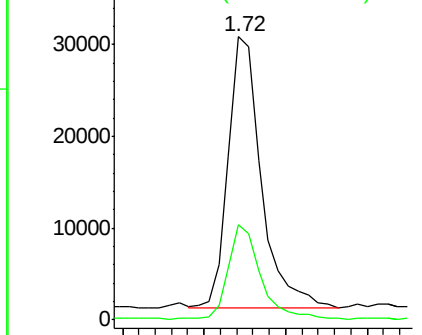
64 100

66 34.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

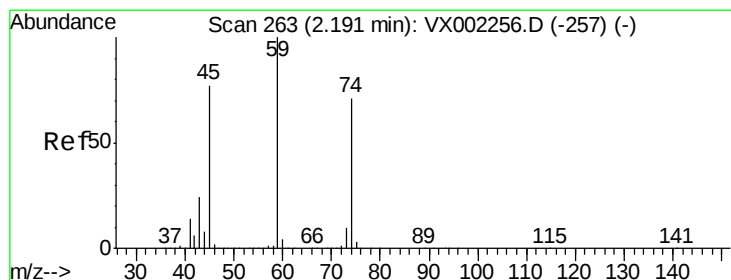
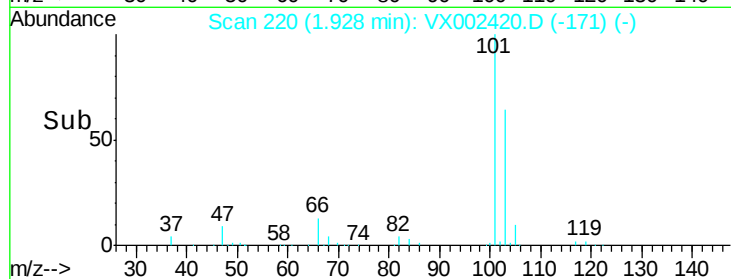
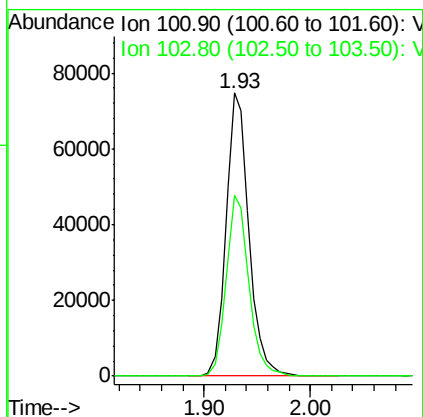
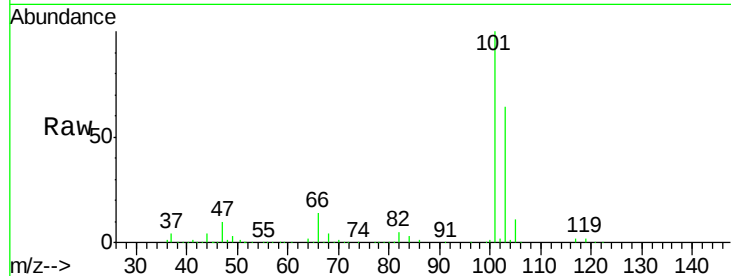
Trichlorofluoromethane
 Concen: 22.79 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Instrument :
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 ClientSampleId :
 VX0609WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.8	79.2

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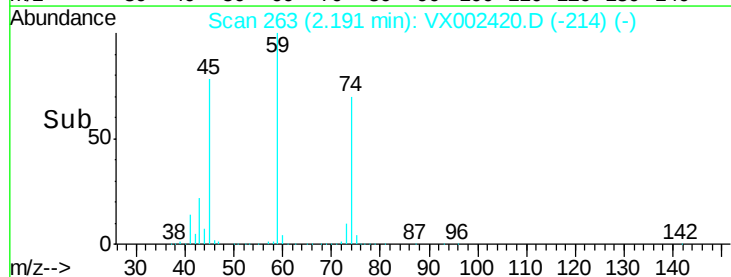
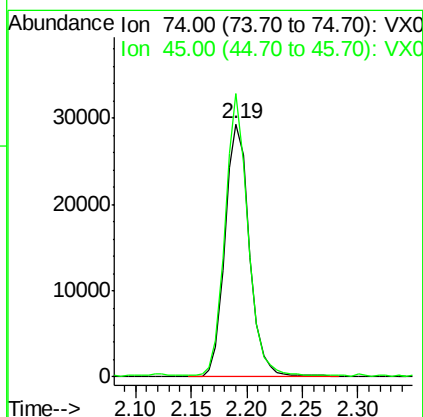
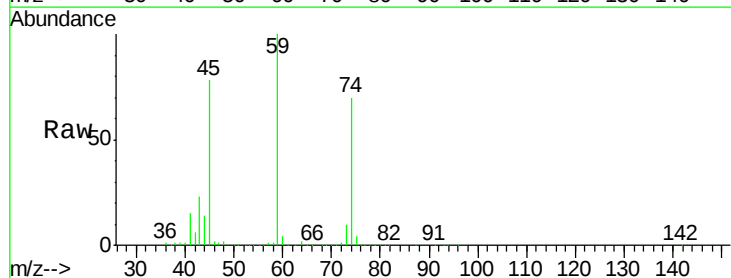
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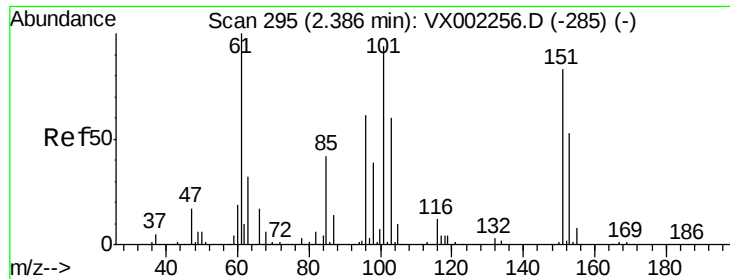


#8

Diethyl Ether
 Concen: 24.41 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.21 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

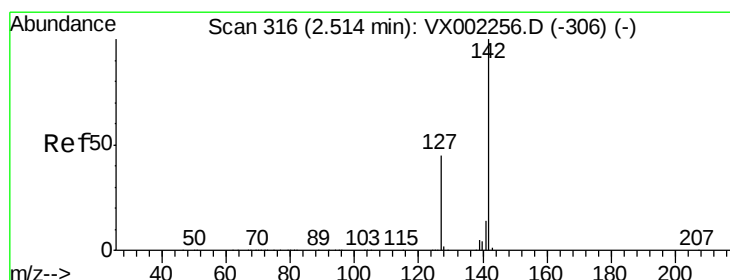
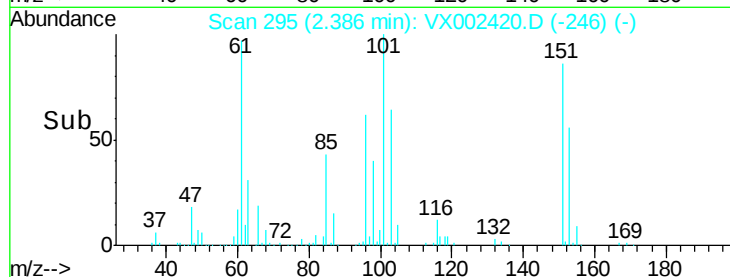
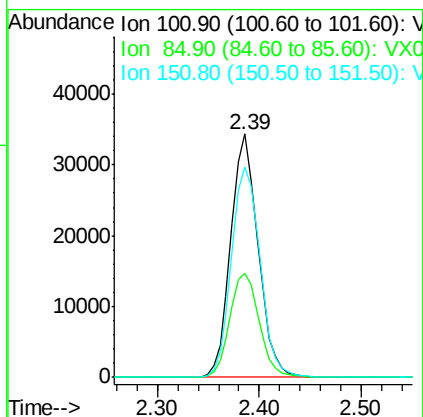
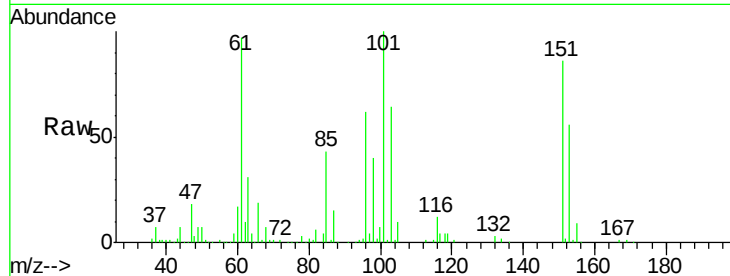
ClientSampleId :

VX0609WBSD01

Tot Ion:	101	Resp:	63941
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.0	54.0
151	90.6	70.9	106.3

Manual Integrations
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6/11/2018 2:32:53 PM



#10

Methyl Iodide

Concen: 14.91 ug/l

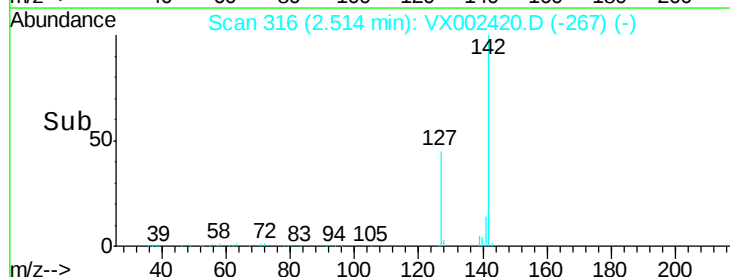
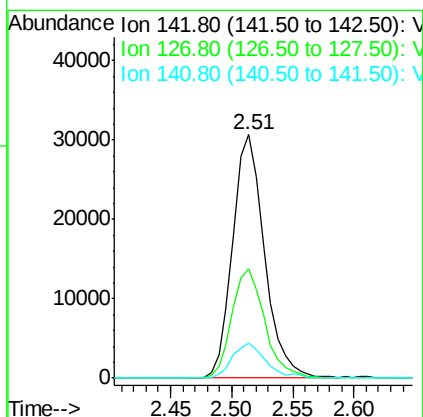
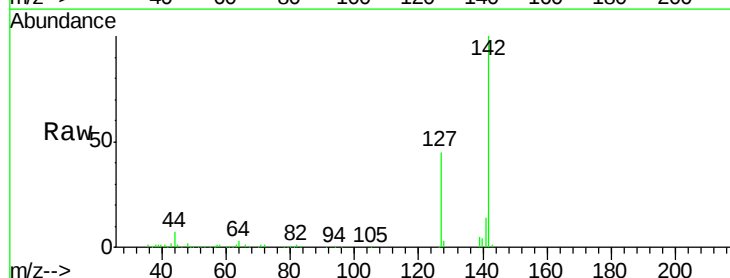
RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Tgt Ion:	142	Resp:	55367
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.6	55.0
141	15.0	11.3	16.9





#11

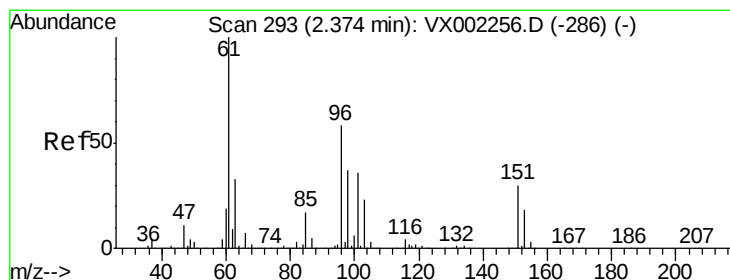
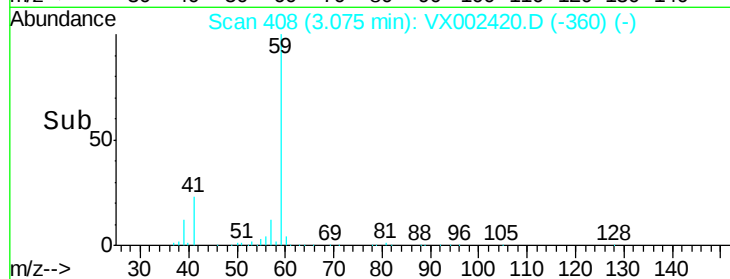
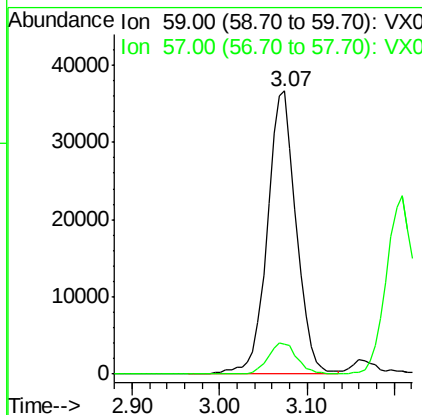
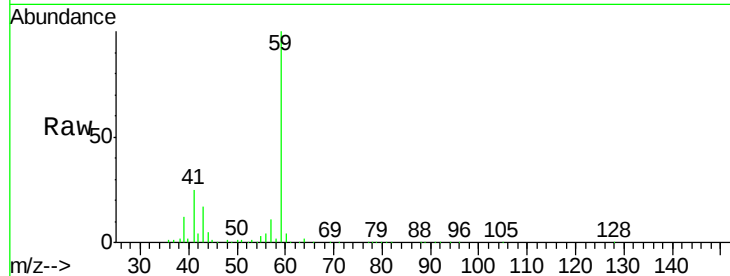
Tert butyl alcohol
 Concen: 106.43 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0609WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.2	12.2

Manual Integrations
 APPROVED

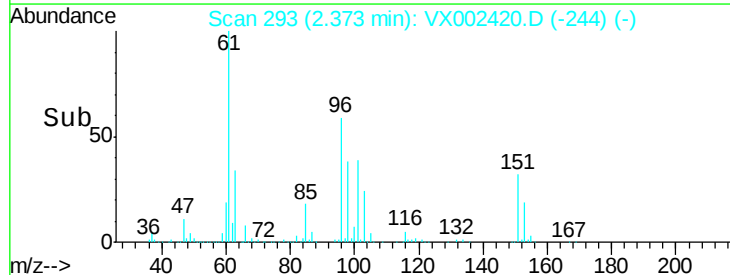
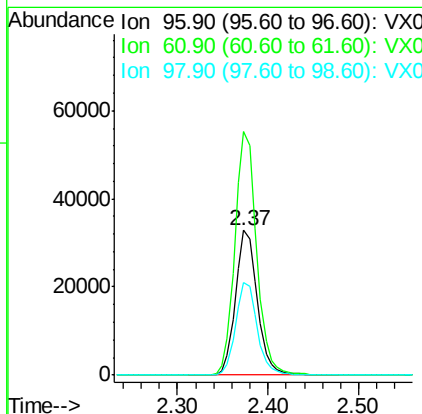
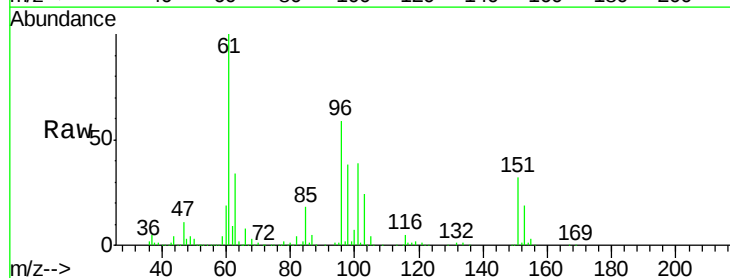
MMDadoda
 6/11/2018 2:32:53 PM

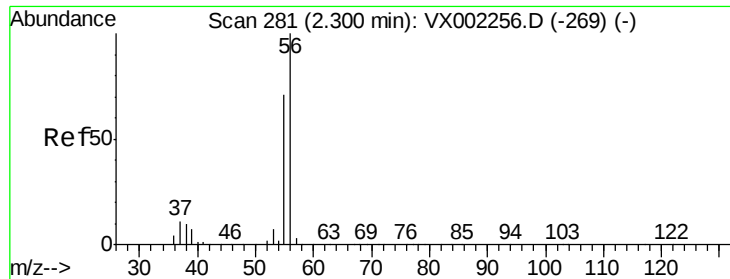


#12

1,1-Dichloroethene
 Concen: 21.04 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.3	137.9	206.9
98	63.6	51.6	77.4





#13

Acrolein

Concen: 113.26 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion: 56 Resp: 41283

Ion Ratio Lower Upper

56 100

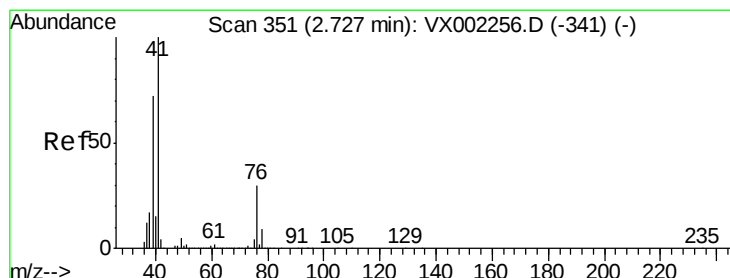
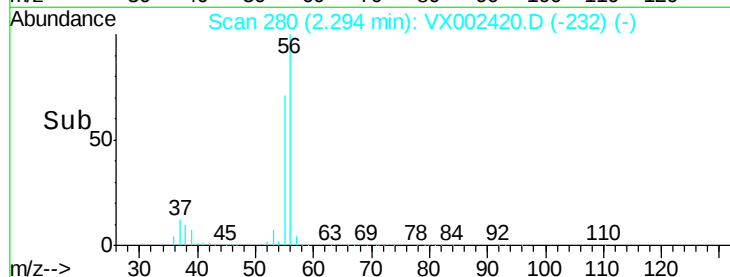
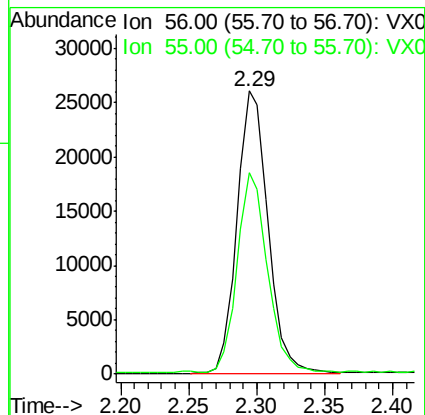
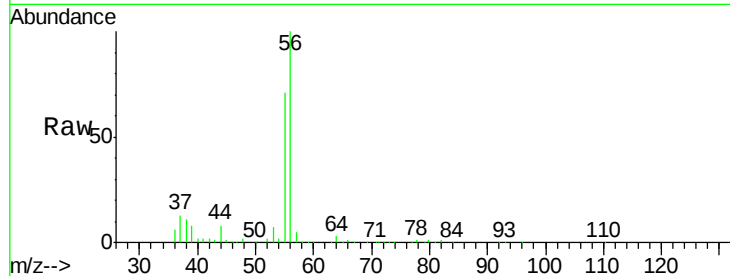
55 69.7 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.11 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

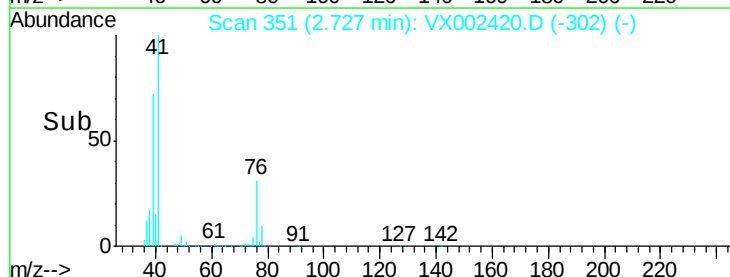
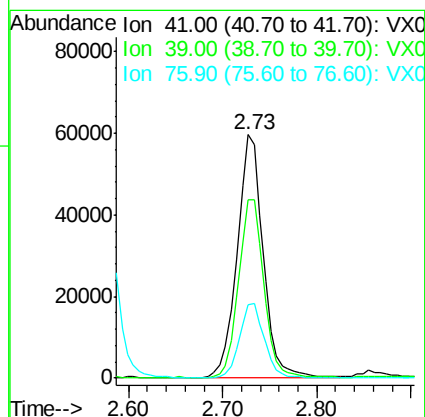
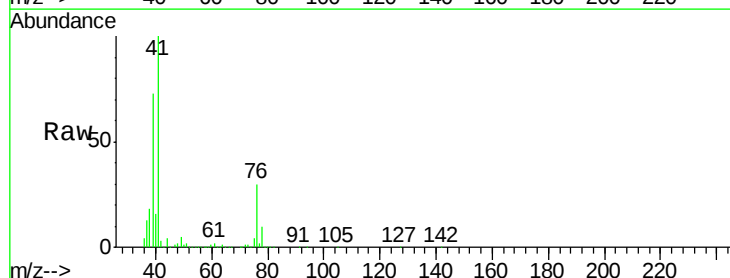
Tgt Ion: 41 Resp: 113894

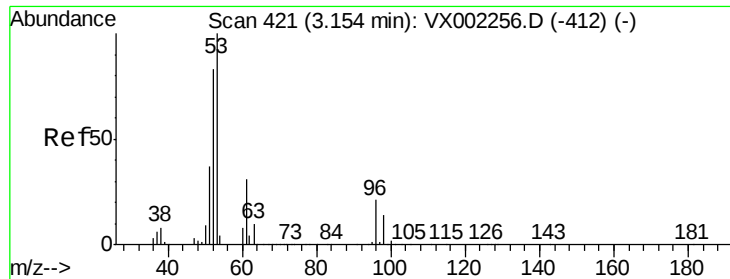
Ion Ratio Lower Upper

41 100

39 71.7 56.8 85.2

76 29.2 23.8 35.8





#15

Acrylonitrile

Concen: 120.25 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

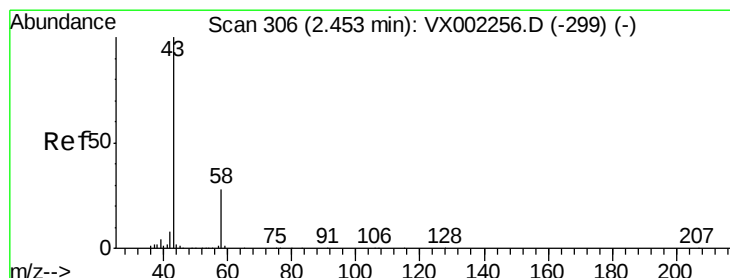
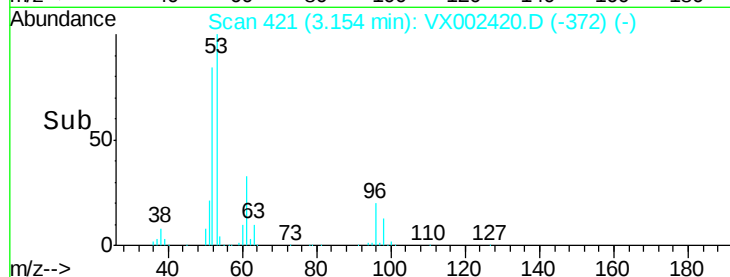
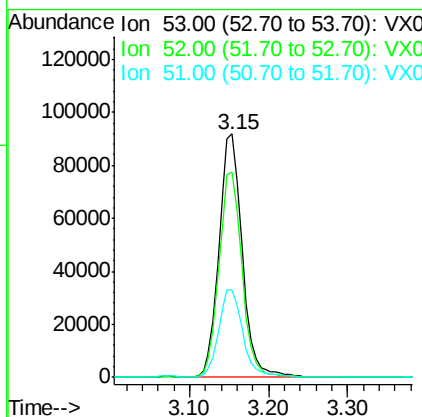
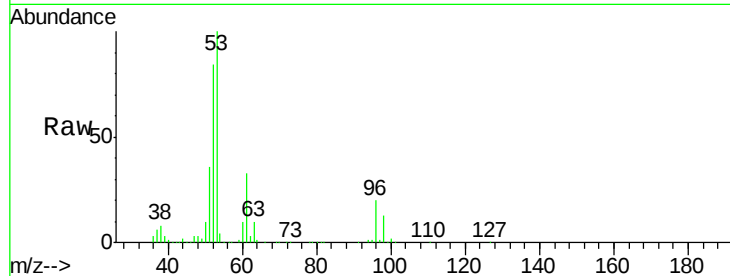
ClientSampleId :

VX0609WBSD01

Tot Ion:	53	Resp:	186914
Ion Ratio		Lower	Upper
53	100		
52	84.1	66.7	100.1
51	37.6	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 118.86 ug/l

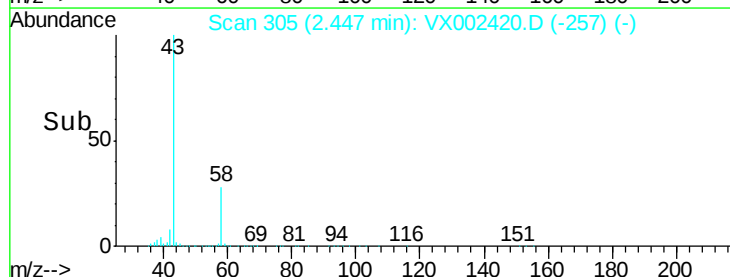
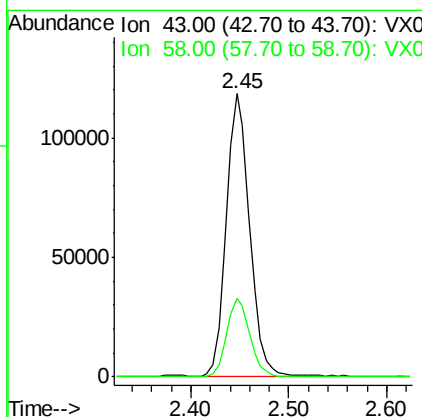
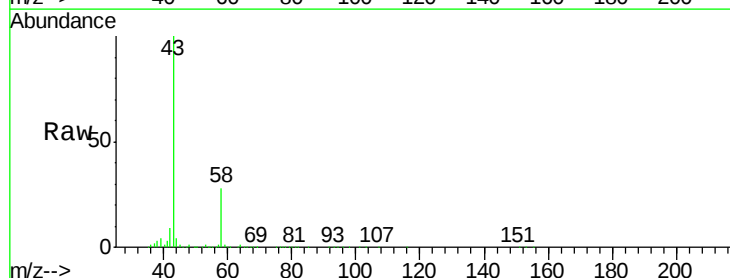
RT: 2.45 min Scan# 305

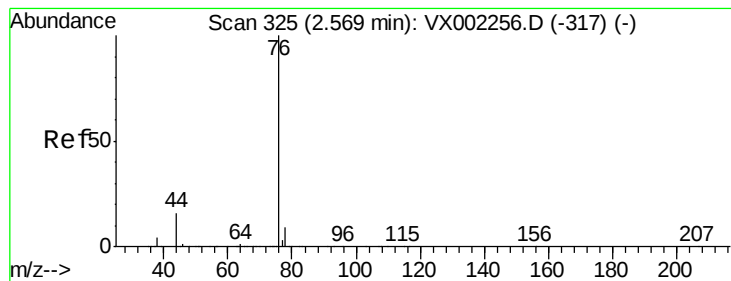
Delta R.T. -0.01 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Tgt Ion:	43	Resp:	194379
Ion Ratio		Lower	Upper
43	100		
58	27.9	22.1	33.1





#17

Carbon Disulfide

Concen: 18.05 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion: 76 Resp: 124137

Ion Ratio Lower Upper

76 100

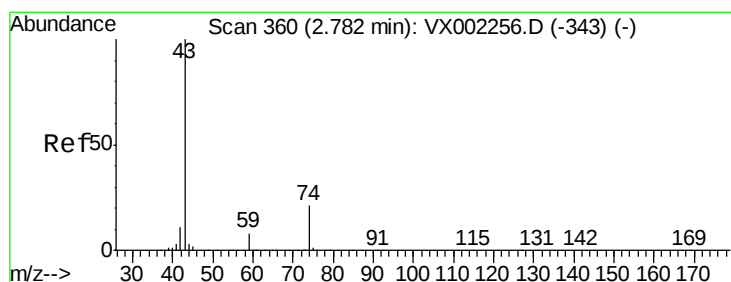
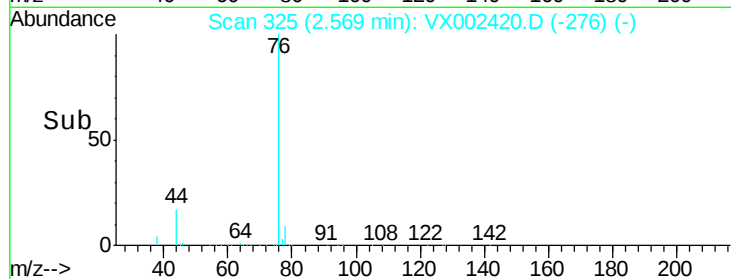
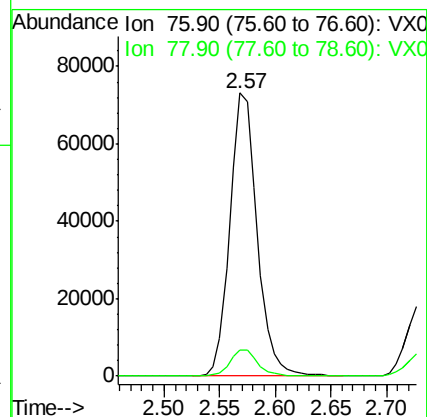
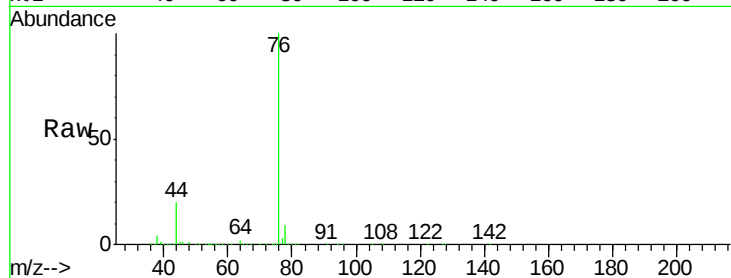
78 9.1 6.9 10.3

Manual Integrations

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#18

Methyl Acetate

Concen: 24.83 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002420.D

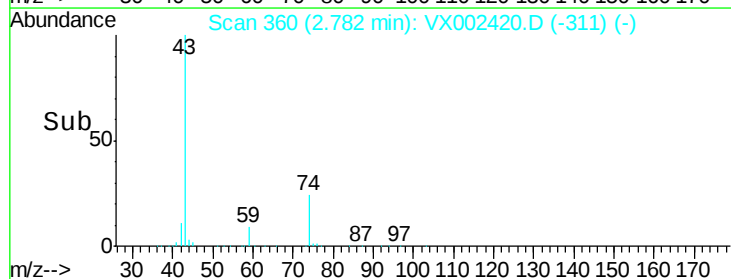
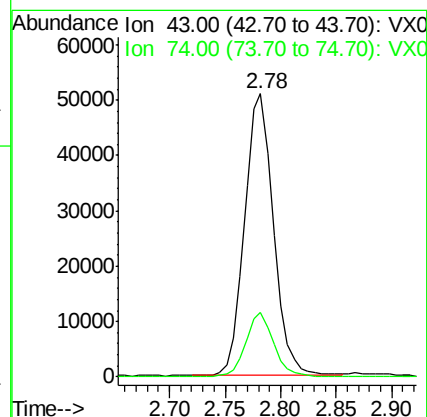
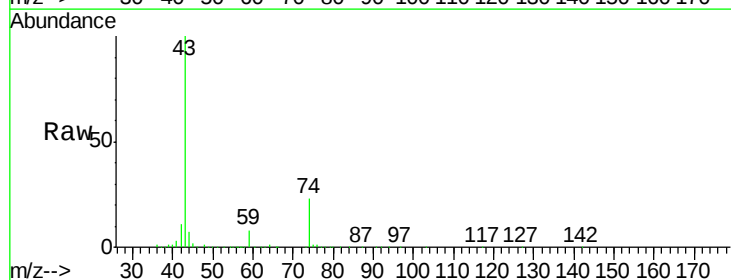
Acq: 09 Jun 2018 14:49

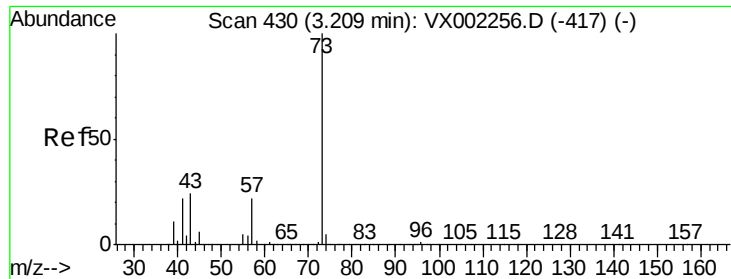
Tgt Ion: 43 Resp: 91971

Ion Ratio Lower Upper

43 100

74 22.5 16.7 25.1





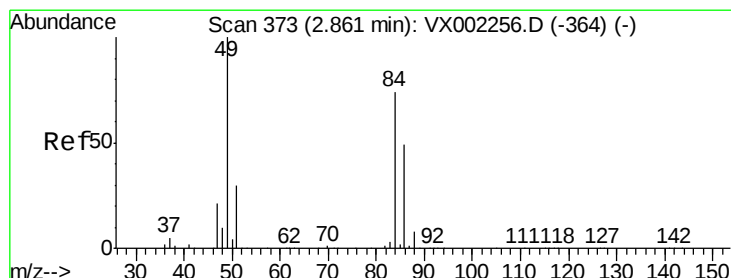
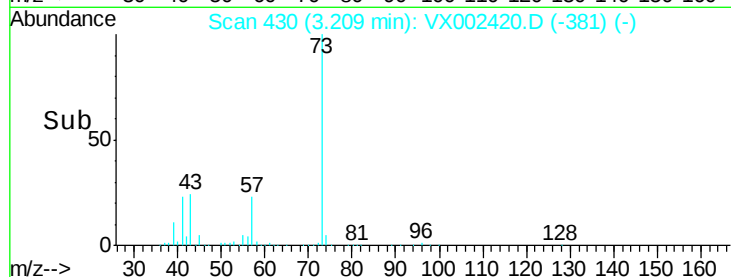
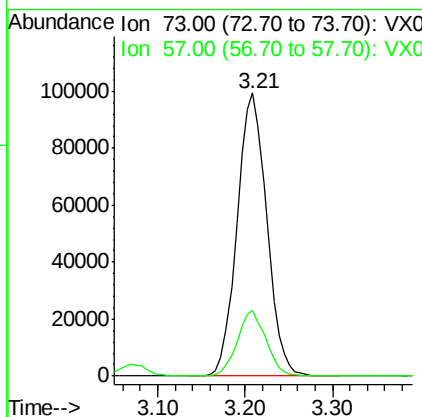
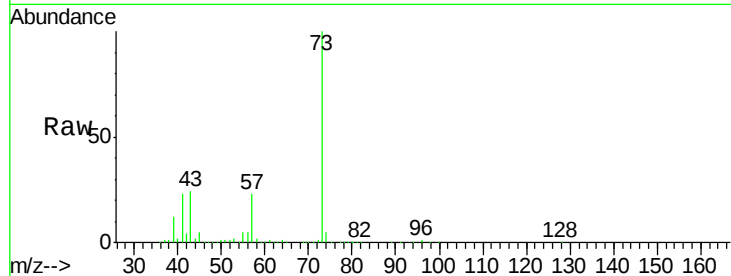
#19
Methvl tert-butvl Ether
Concen: 24.59 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion: 73 Resp: 234524
Ion Ratio Lower Upper
73 100
57 23.2 17.7 26.5

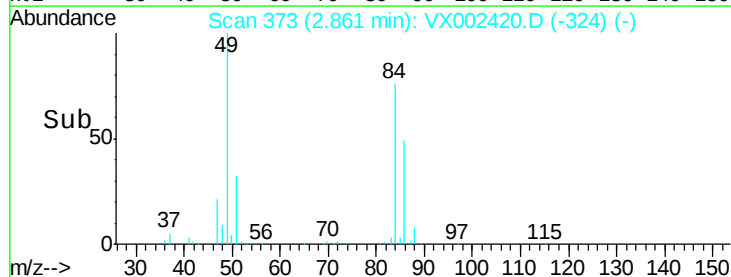
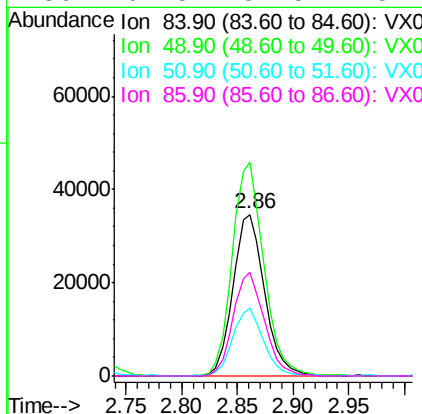
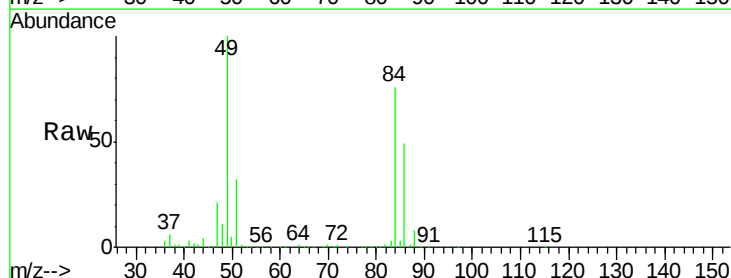
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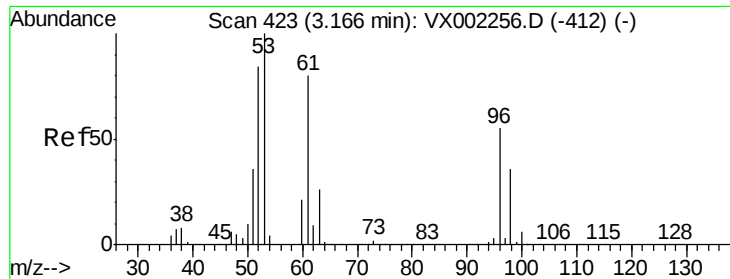
MMDadoda
6/11/2018 2:32:53 PM



#20
Methylene Chloride
Concen: 23.01 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion: 84 Resp: 67912
Ion Ratio Lower Upper
84 100
49 132.2 107.8 161.6
51 41.6 32.8 49.2
86 64.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.76 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

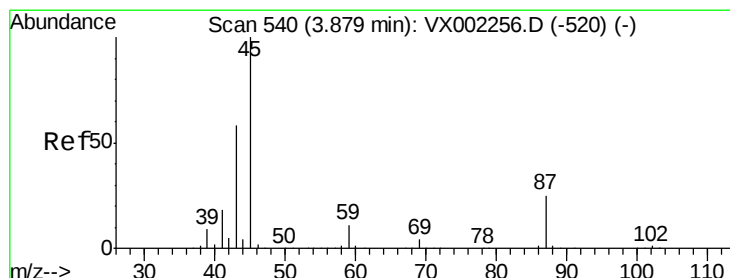
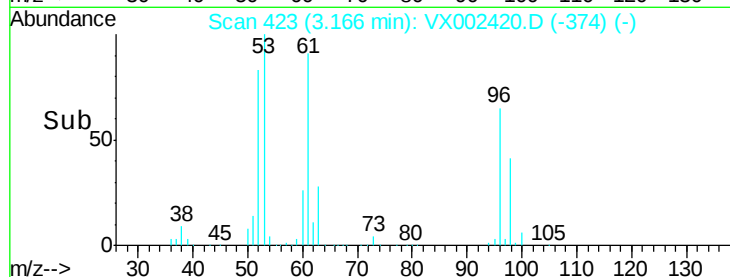
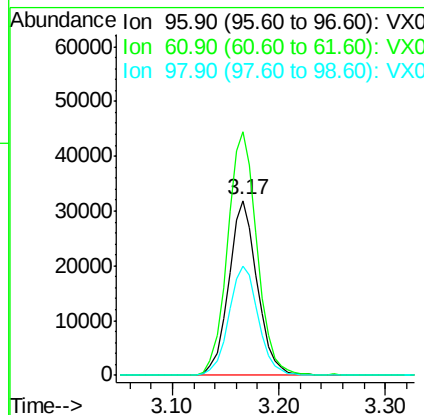
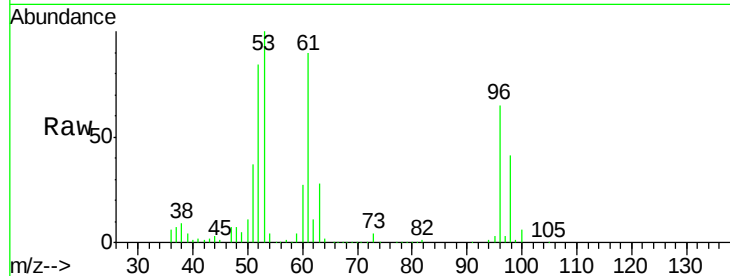
ClientSampleId :

VX0609WBSD01

Tot Ion:	96	Resp:	59740
Ion	Ratio	Lower	Upper
96	100		
61	139.2	117.0	175.4
98	62.8	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.64 ug/l

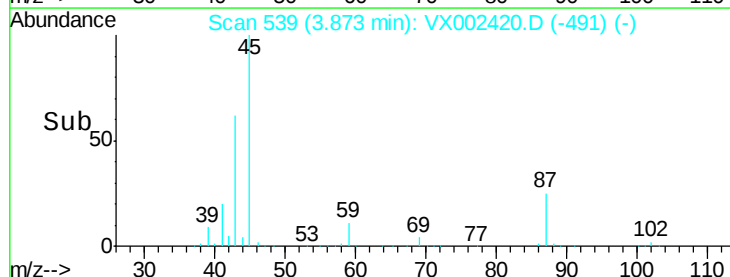
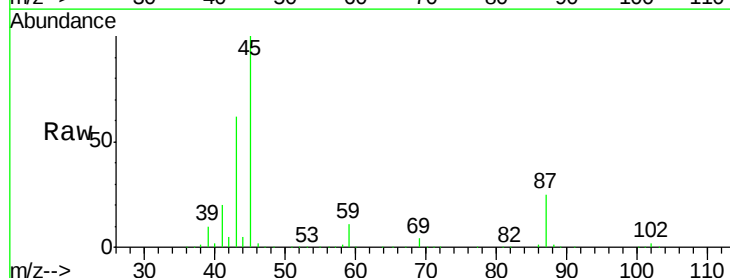
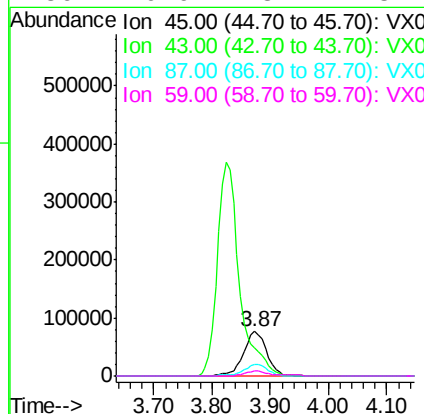
RT: 3.87 min Scan# 539

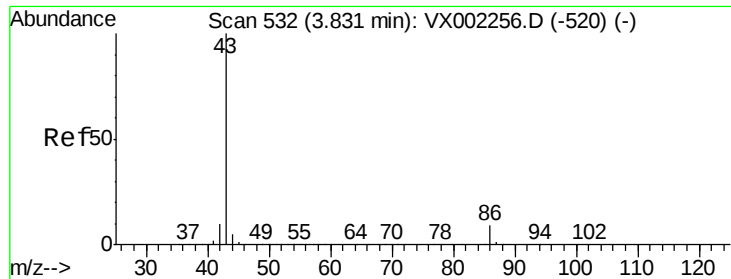
Delta R.T. -0.01 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Tgt Ion:	45	Resp:	212778
Ion	Ratio	Lower	Upper
45	100		
43	61.4	46.8	70.2
87	25.4	20.2	30.4
59	10.9	8.7	13.1





#23

Vinyl Acetate

Concen: 105.60 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion: 43 Resp: 969594

Ion Ratio Lower Upper

43 100

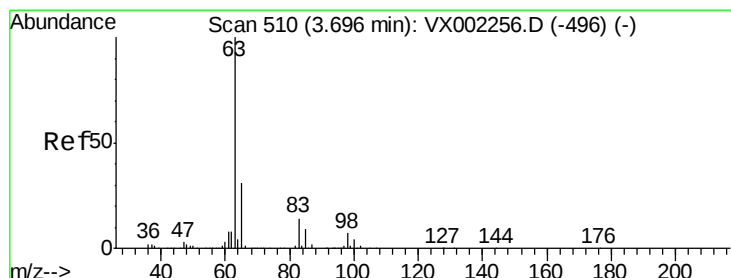
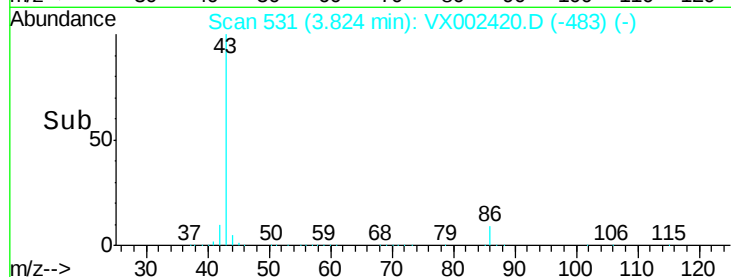
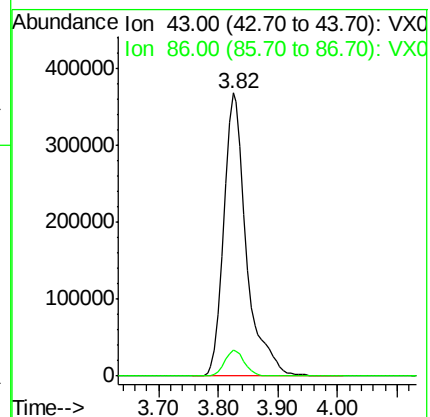
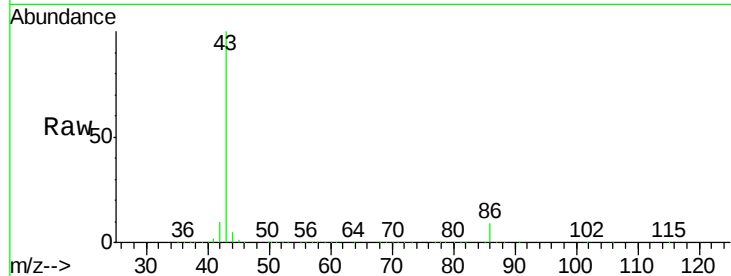
86 9.1 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.82 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

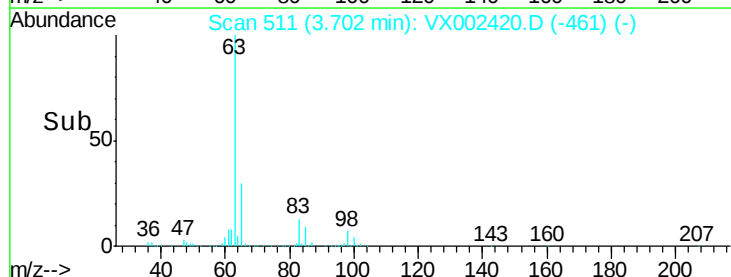
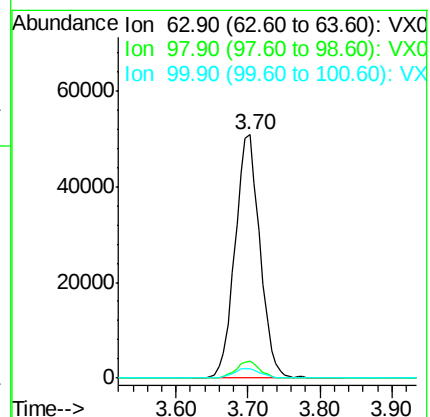
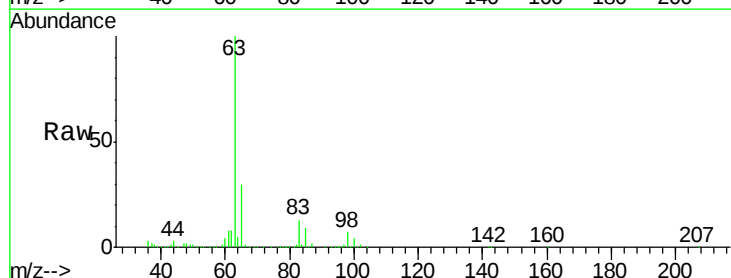
Tgt Ion: 63 Resp: 122120

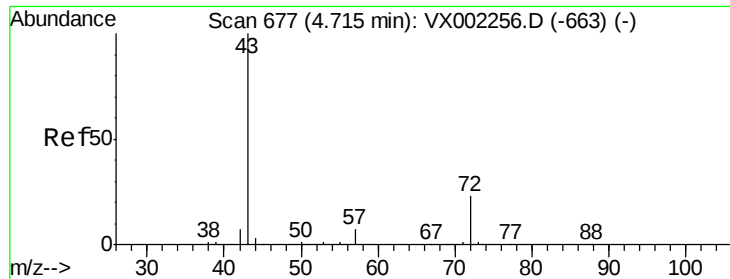
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 103.43 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion: 43 Resp: 248616

Ion Ratio Lower Upper

43 100

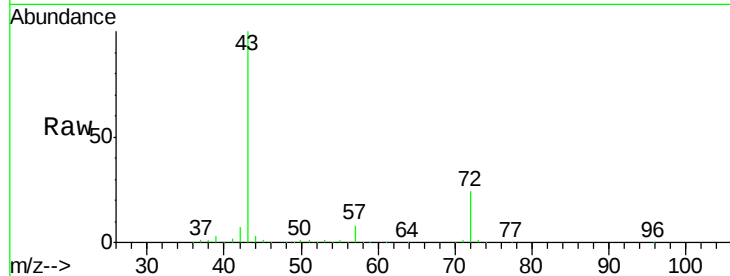
72 24.0 18.5 27.7

Manual Integrations

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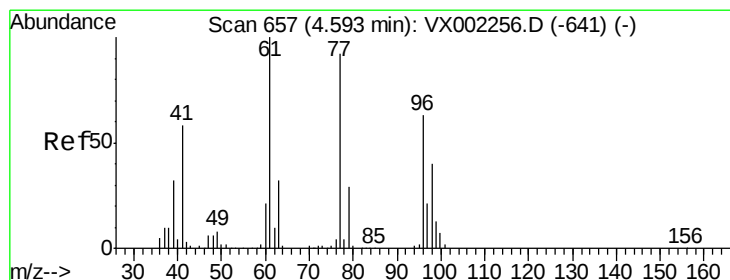
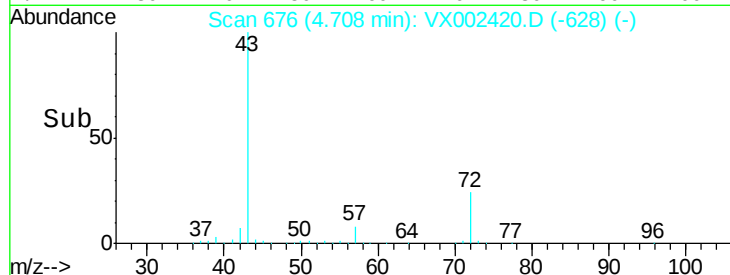
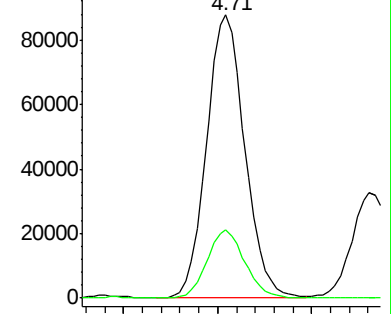
MMDadoda

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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: 18.87 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002420.D

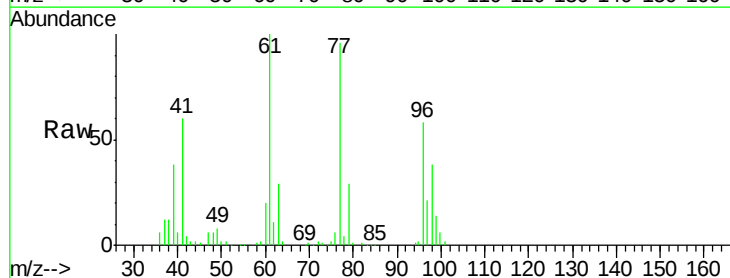
Acq: 09 Jun 2018 14:49

Tgt Ion: 77 Resp: 82565

Ion Ratio Lower Upper

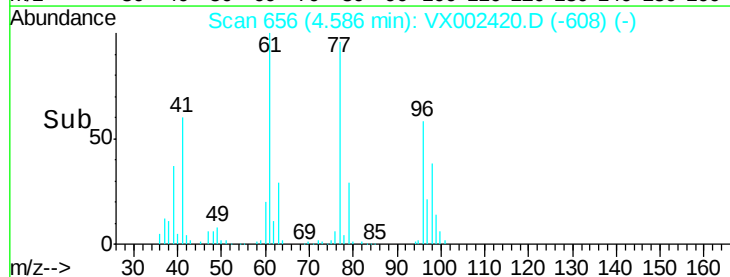
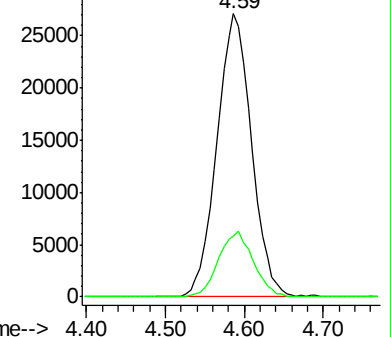
77 100

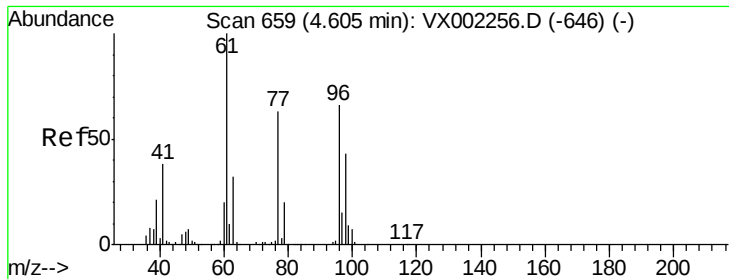
97 23.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

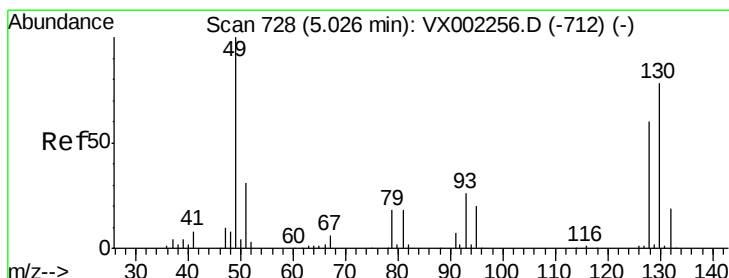
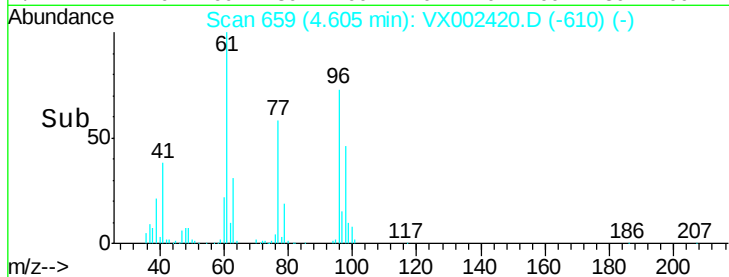
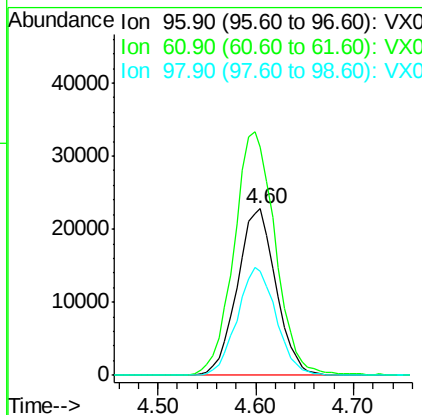
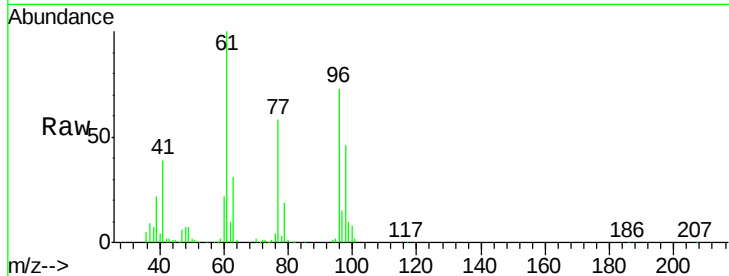
cis-1,2-Dichloroethene
Concen: 20.03 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.9	0.0	330.2
98	65.0	0.0	130.2

Manual Integrations
APPROVED

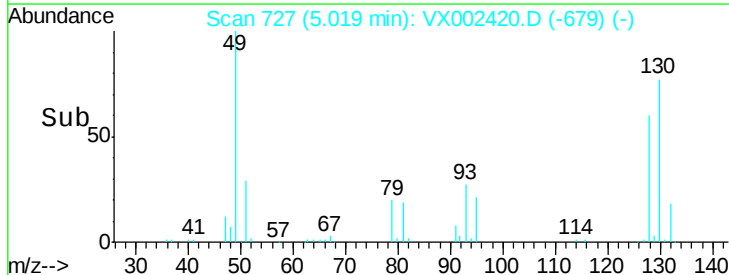
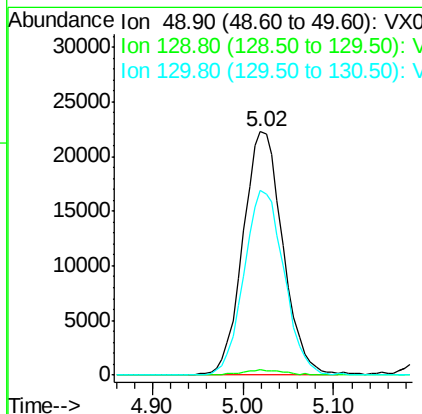
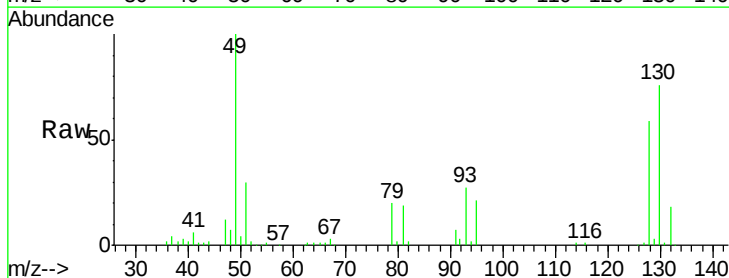
MMDadoda
6/11/2018 2:32:53 PM

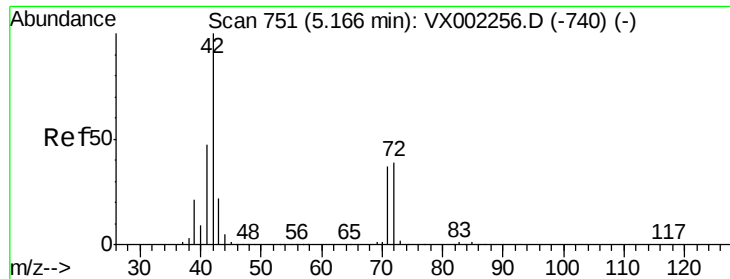


#28

Bromochloromethane
Concen: 26.76 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	76.2	61.2	91.8





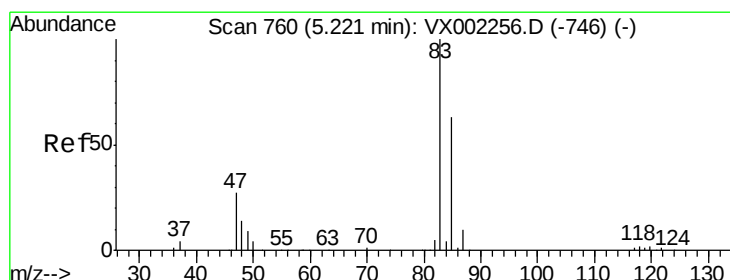
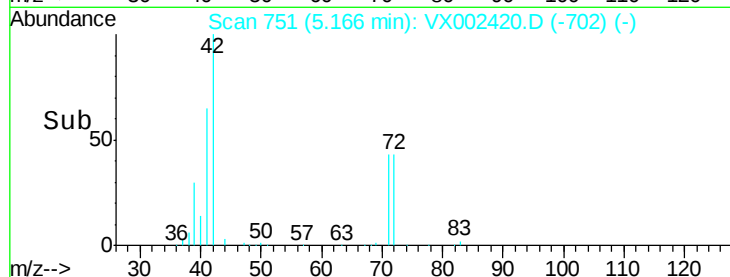
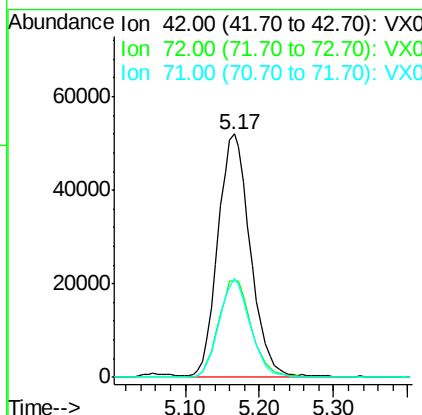
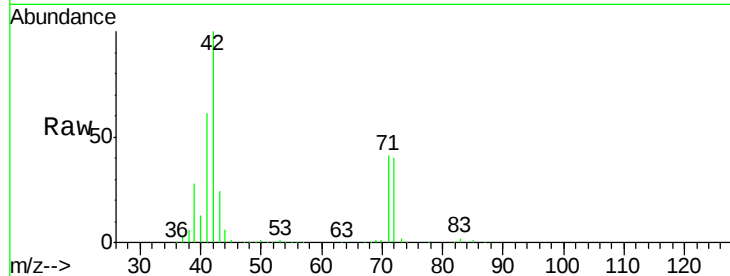
#29
Tetrahydrofuran
Concen: 100.70 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.0	48.0
71	39.2	30.1	45.1

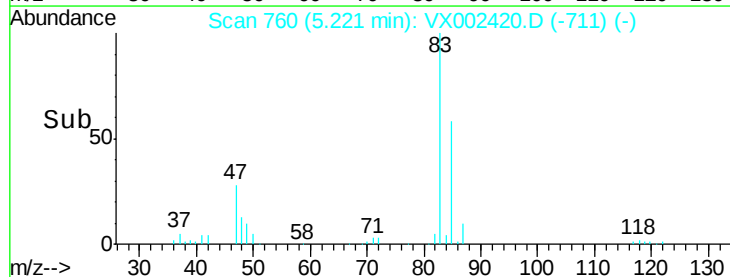
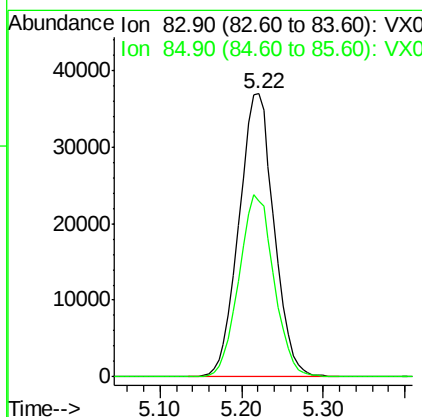
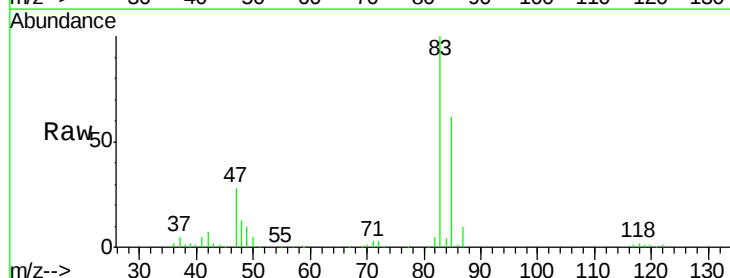
Manual Integrations
APPROVED

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#30
Chloroform
Concen: 20.42 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.4	75.6





#31

Cyclohexane

Concen: 20.05 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

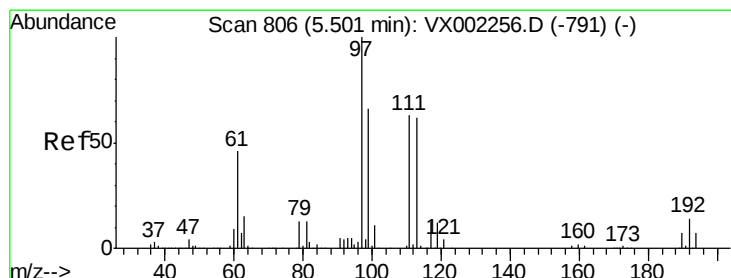
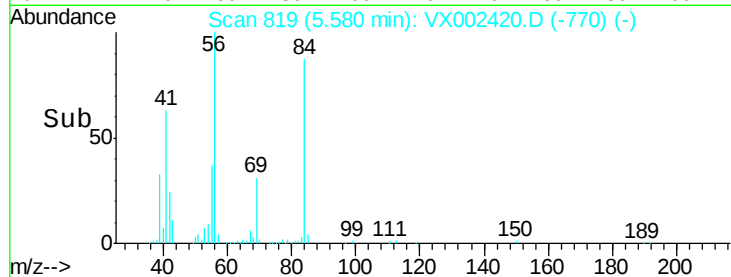
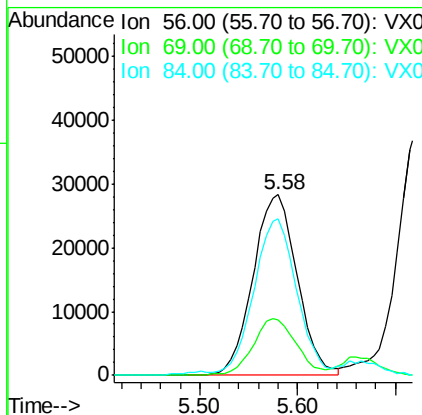
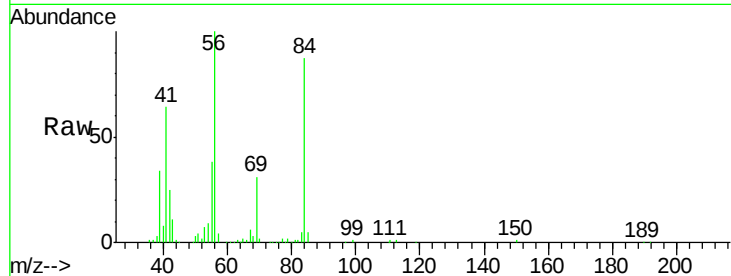
ClientSampleId :

VX0609WBSD01

Tot Ion:	56	Resp:	88735
Ion Ratio	Lower	Upper	
56	100		
69	30.7	23.7	35.5
84	85.2	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.02 ug/l

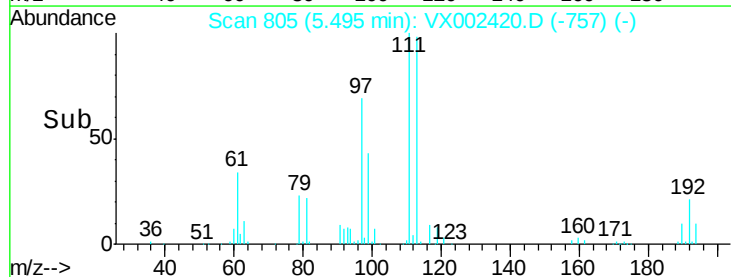
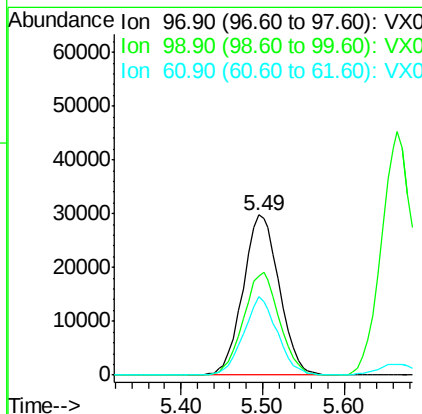
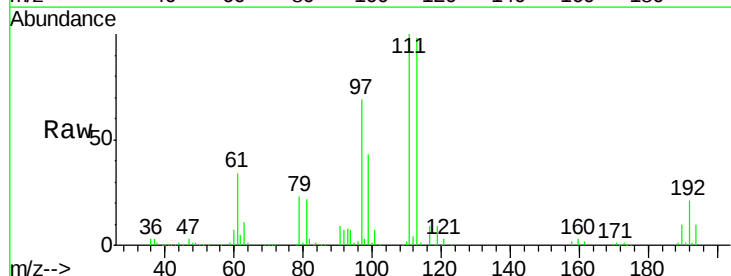
RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Tgt Ion:	97	Resp:	91712
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.6	77.4
61	45.5	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 54.10 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion: 65 Resp: 188661

Ion Ratio Lower Upper

65 100

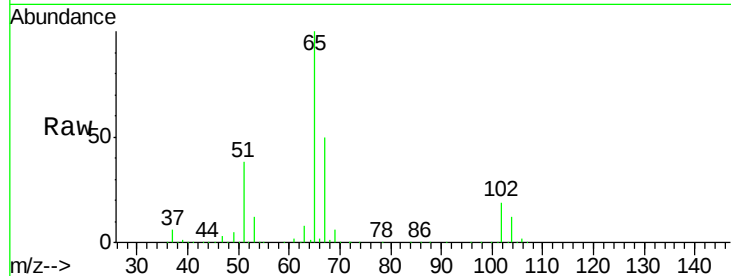
67 51.5 0.0 102.6

Manual Integrations

APPROVED

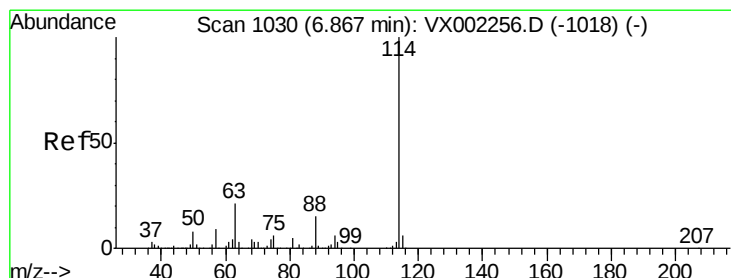
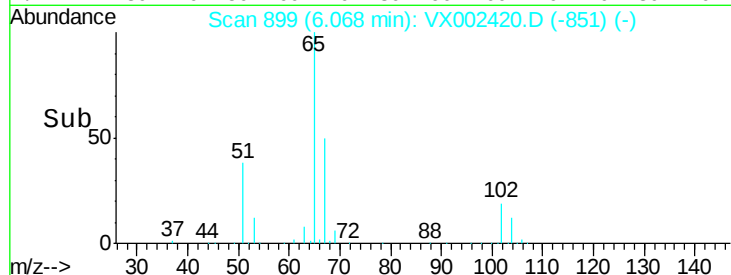
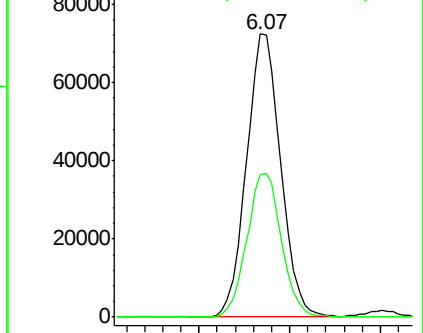
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

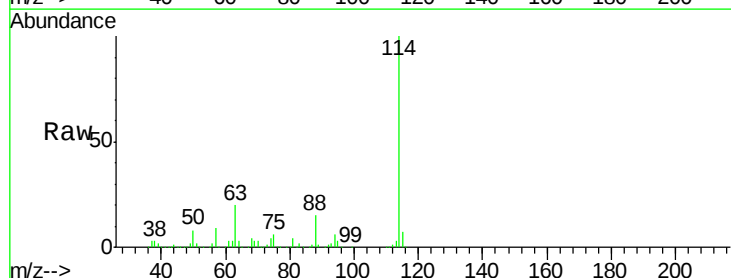
Tgt Ion: 114 Resp: 354258

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

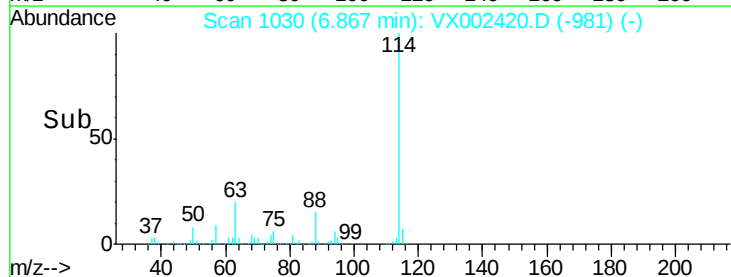
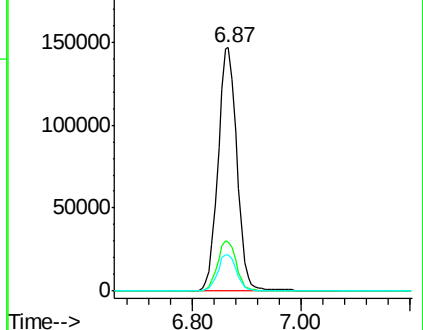
88 14.8 0.0 30.0

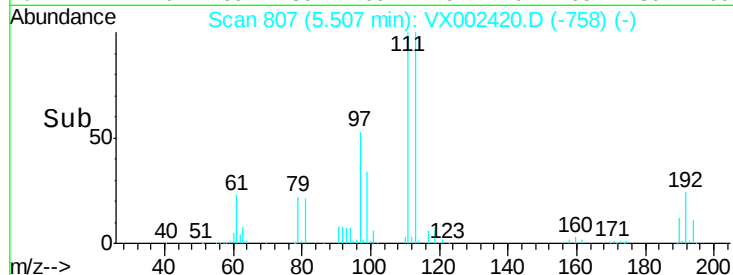
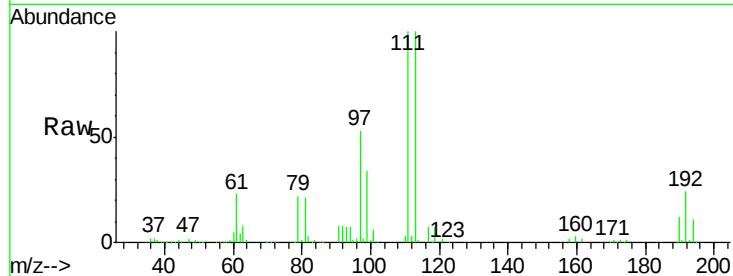
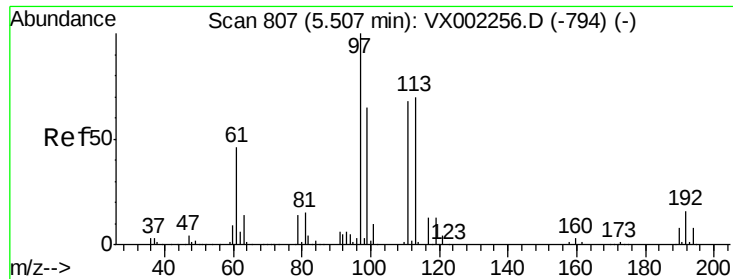


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





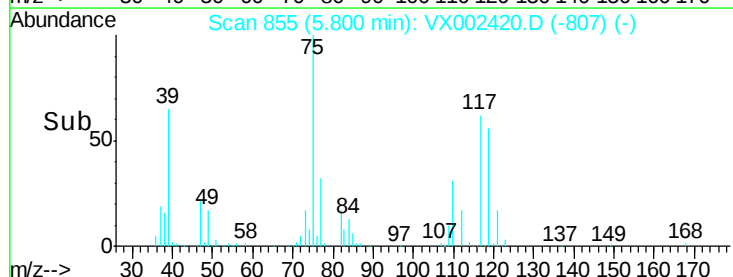
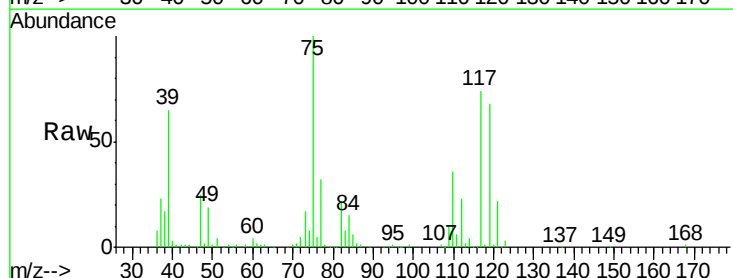
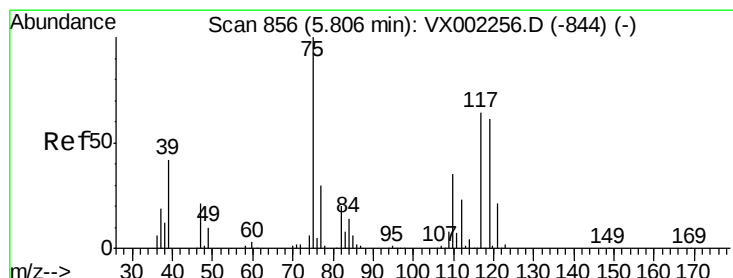
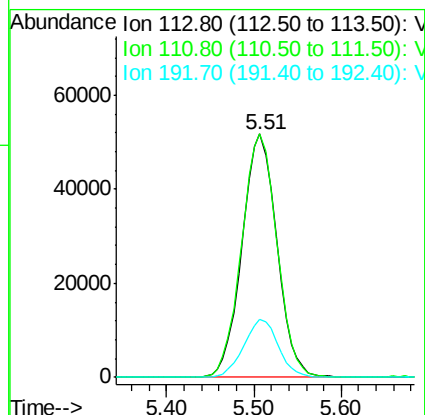
#35
Dibromofluoromethane
Concen: 51.50 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143485		
111	101.6	81.4	122.0	
192	23.6	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

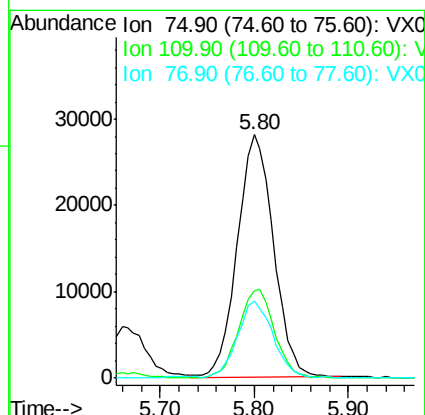
Manual Integrations
APPROVED

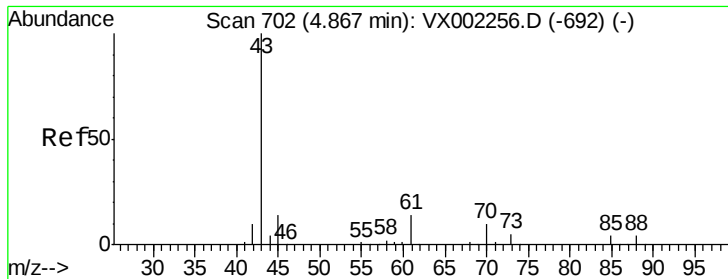
MMDadoda
6/11/2018 2:32:53 PM



#36
1,1-Dichloropropene
Concen: 20.21 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75273		
110	36.4	18.1	54.4	
77	30.6	24.3	36.5	





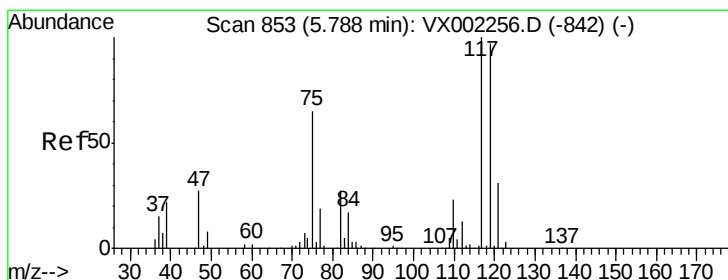
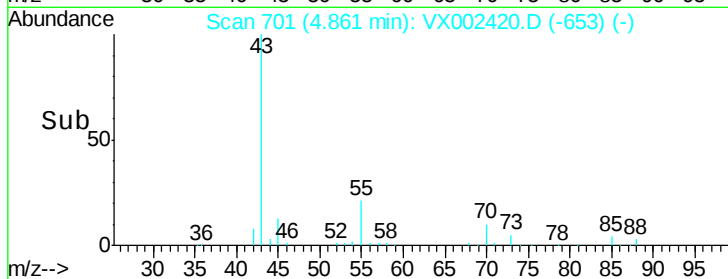
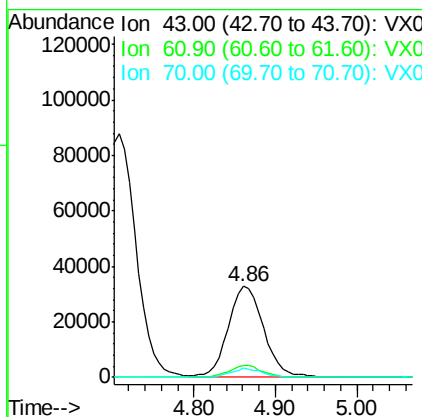
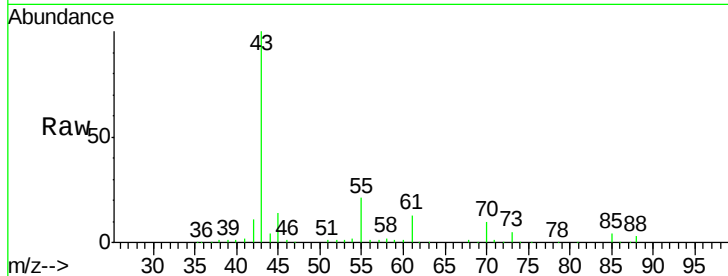
#37
Ethyl Acetate
Concen: 21.62 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.4	15.6
70	9.3	7.6	11.4

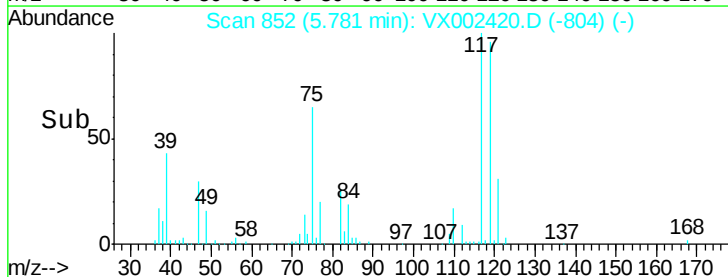
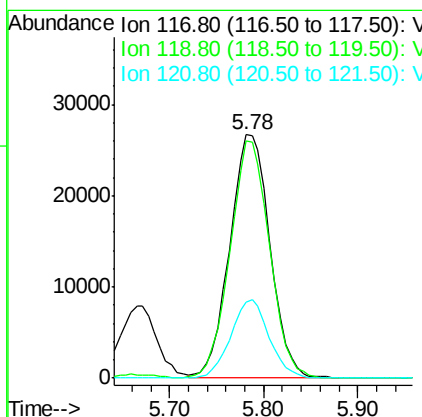
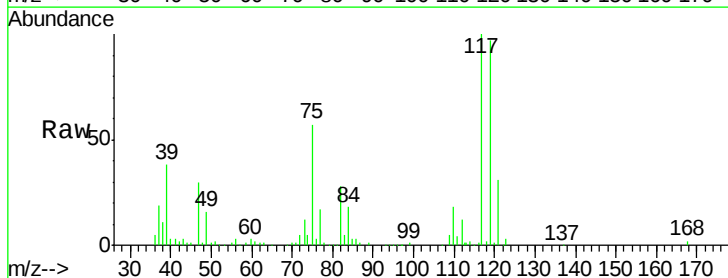
Manual Integrations
APPROVED

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6/11/2018 2:32:53 PM



#38
Carbon Tetrachloride
Concen: 20.39 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.4	116.0
121	31.0	24.4	36.6





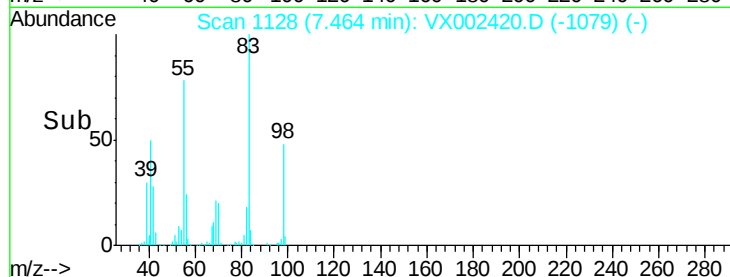
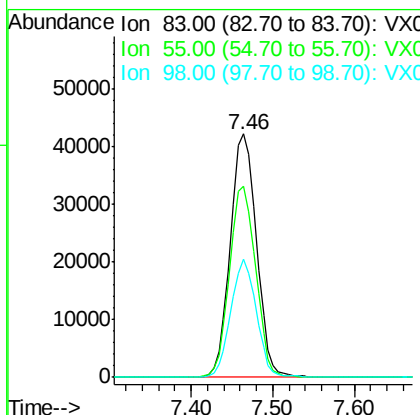
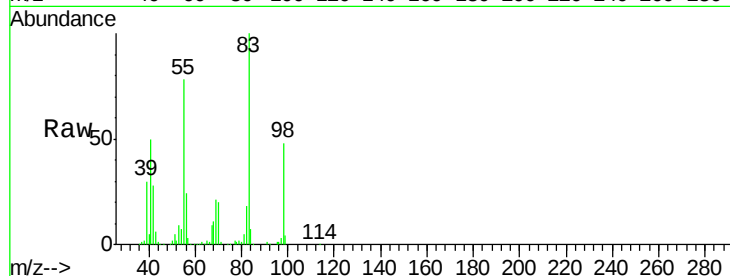
#39
Methvlcvclohexane
Concen: 20.51 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	65.4	98.0
98	48.4	37.4	56.0

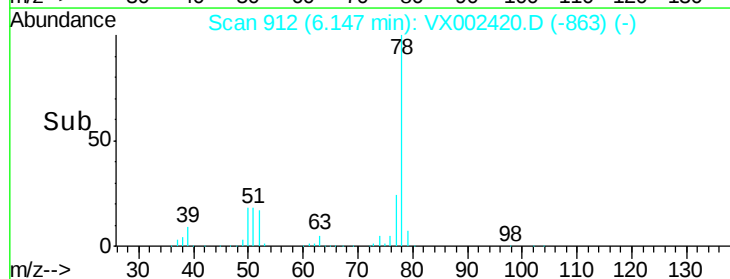
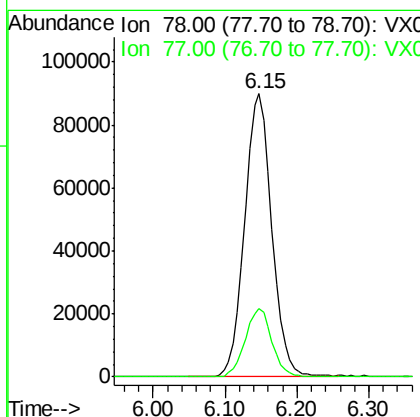
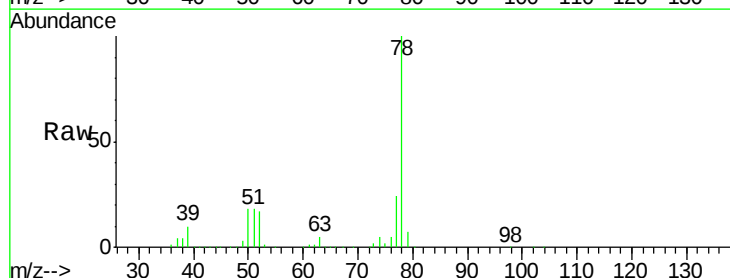
Manual Integrations
APPROVED

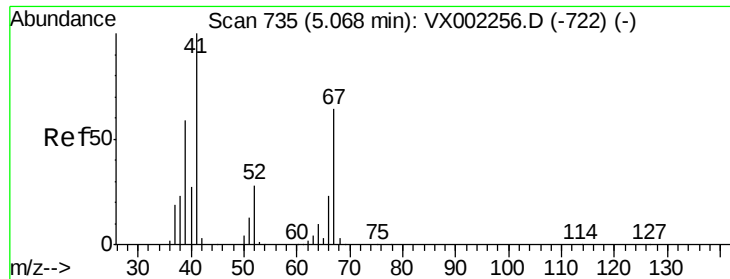
MMDadoda
6/11/2018 2:32:53 PM



#40
Benzene
Concen: 20.62 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





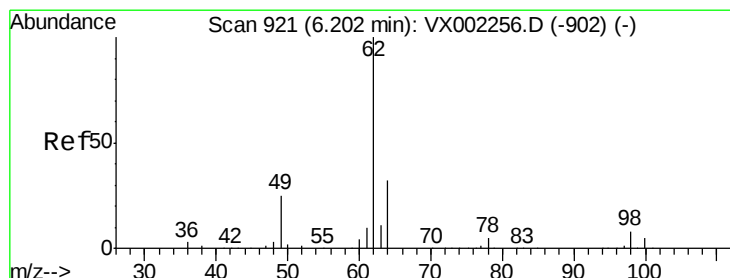
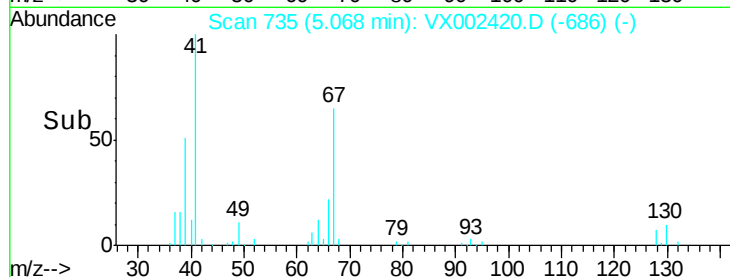
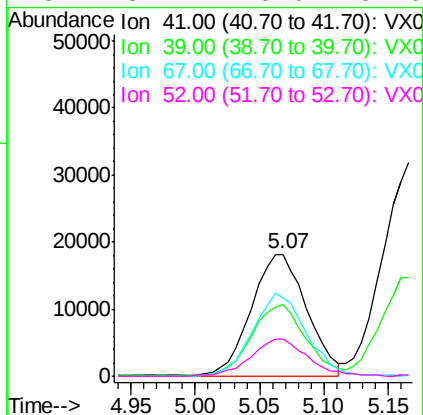
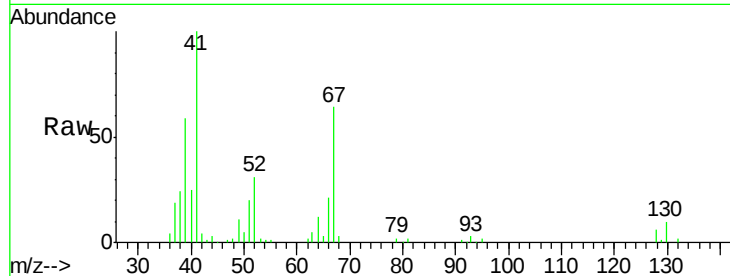
#41
Methacrylonitrile
Concen: 20.95 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
53722	41	100		
	39	58.1	45.8	68.6
	67	67.0	51.3	76.9
	52	31.7	23.0	34.6

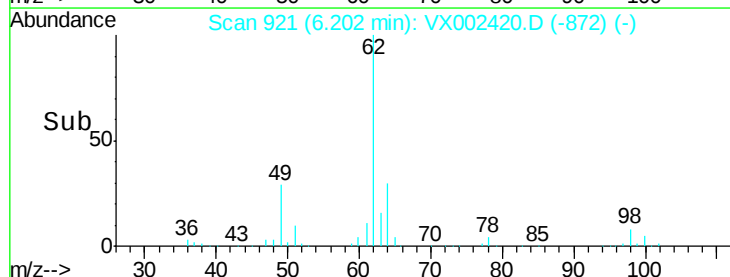
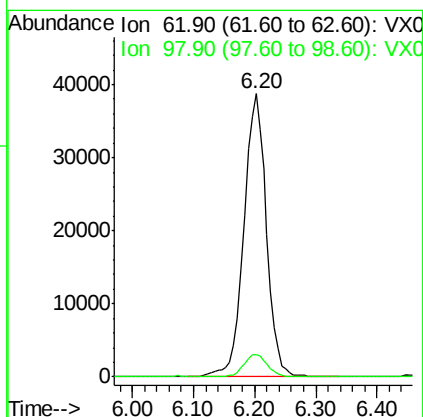
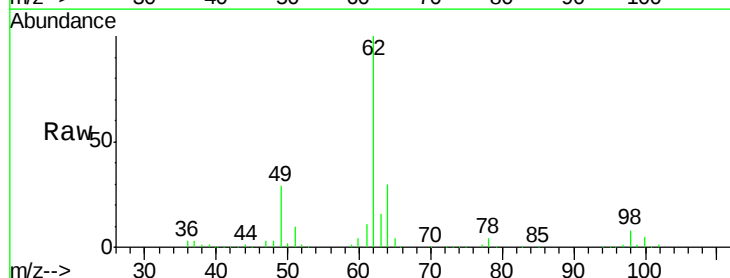
Manual Integrations
APPROVED

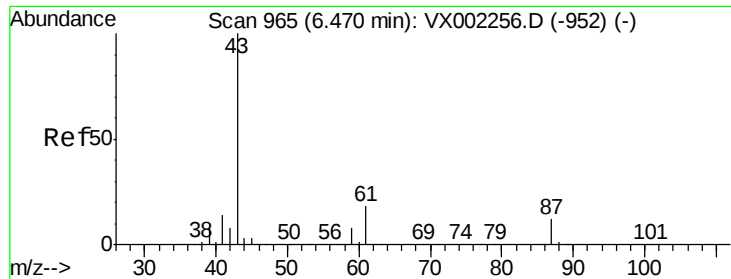
MMDadoda
6/11/2018 2:32:53 PM



#42
1,2-Dichloroethane
Concen: 21.82 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion	Ion	Ratio	Lower	Upper
98975	62	100		
	98	8.4	0.0	16.6





#43

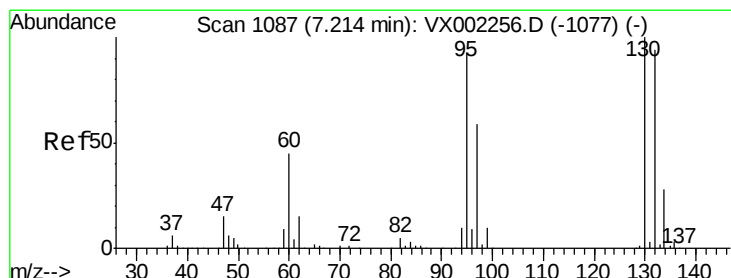
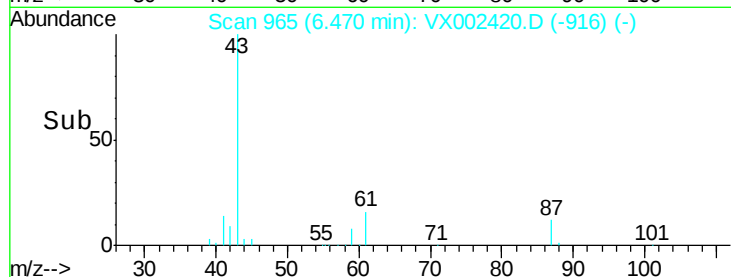
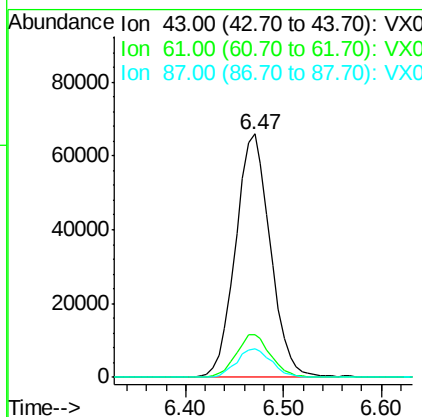
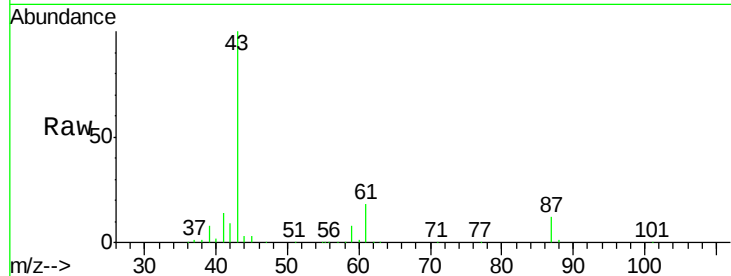
Isopropyl Acetate
 Concen: 21.21 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0609WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.4	21.6
87	12.0	9.5	14.3

Manual Integrations
 APPROVED

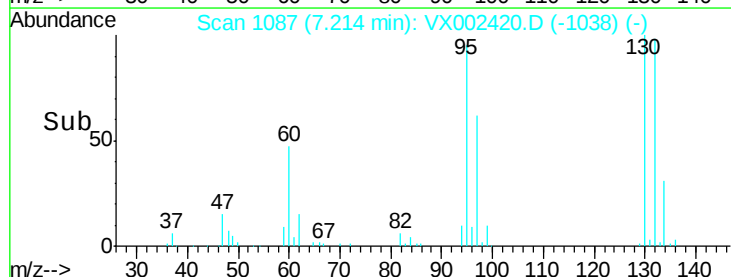
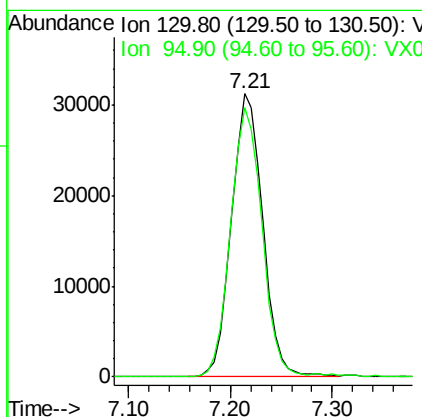
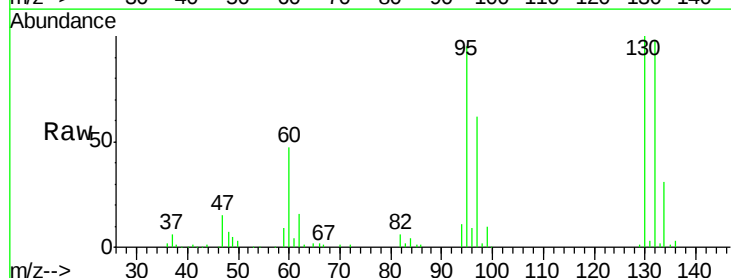
MMDadoda
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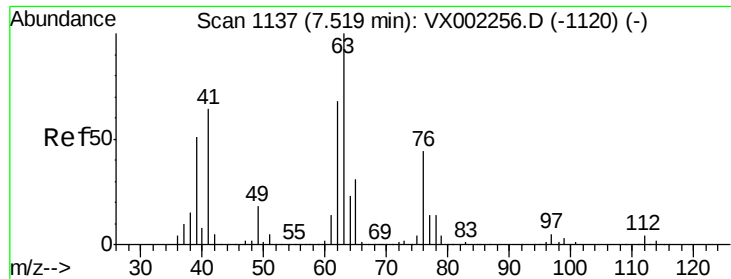


#44

Trichloroethene
 Concen: 20.90 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	185.4





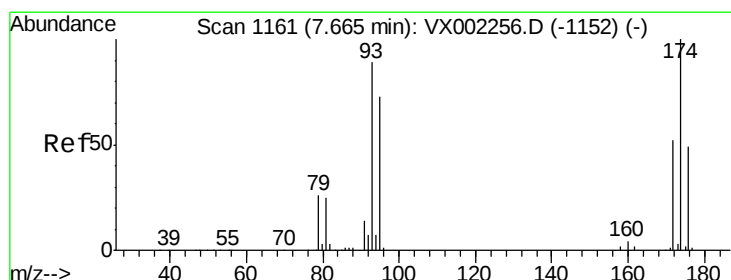
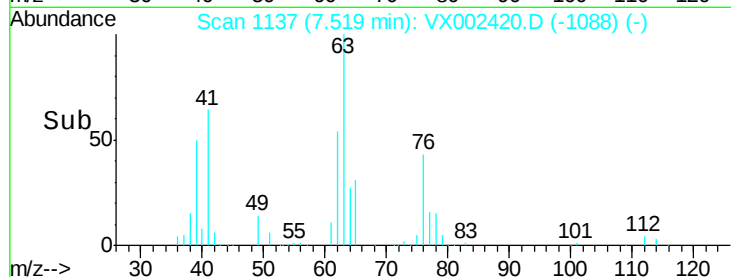
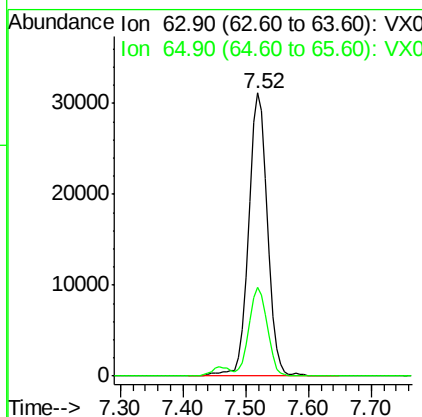
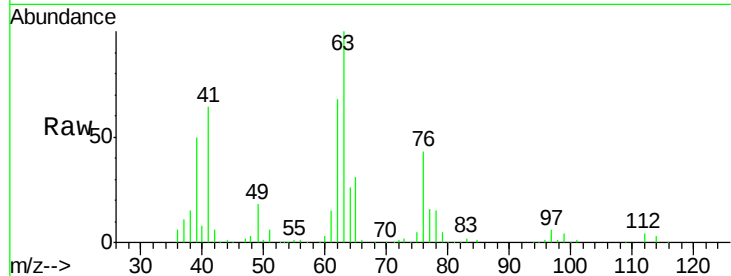
#45
 1,2-Dichloropropane
 Concen: 21.06 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Instrument :
 MSVOA_X
 ClientSampled :
 VX0609WBSD01

Tot Ion: 63 Resp: 64921
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1

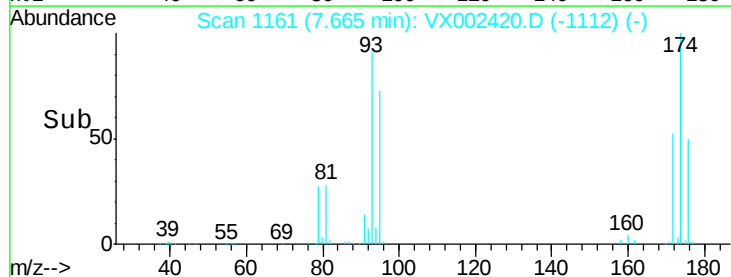
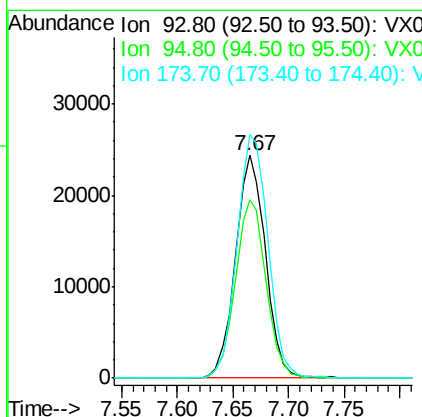
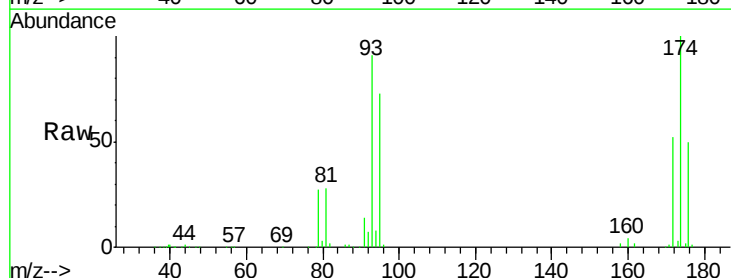
Manual Integrations
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#46
 Dibromomethane
 Concen: 21.72 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Tgt Ion: 93 Resp: 45401
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.9 98.9
 174 113.4 92.4 138.6





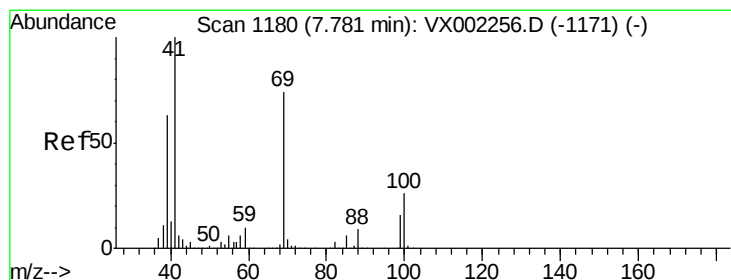
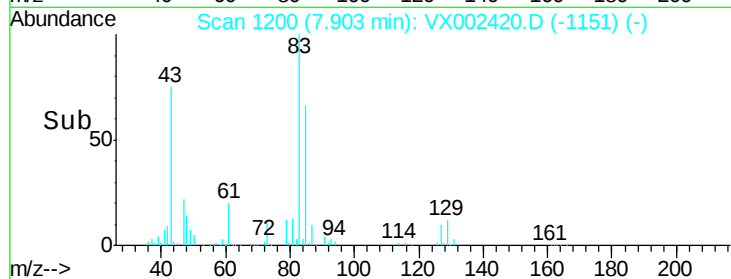
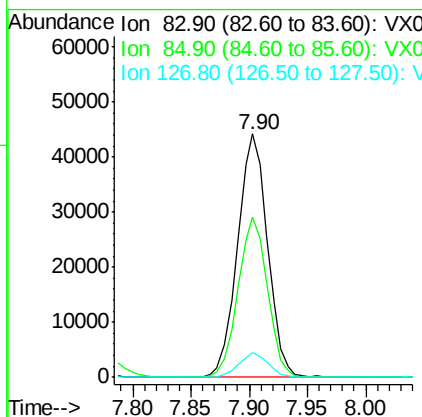
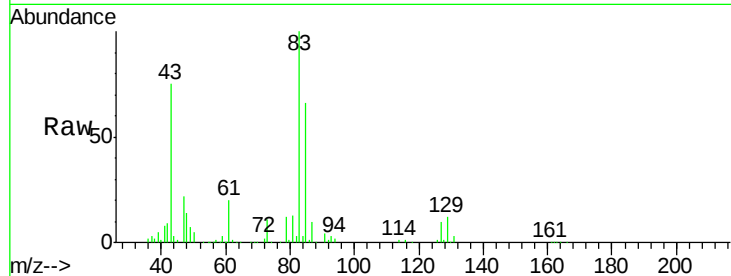
#47
Bromodichloromethane
Concen: 21.01 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion	83	Resp	79395
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	50.3	75.5
127	10.1	7.0	10.4

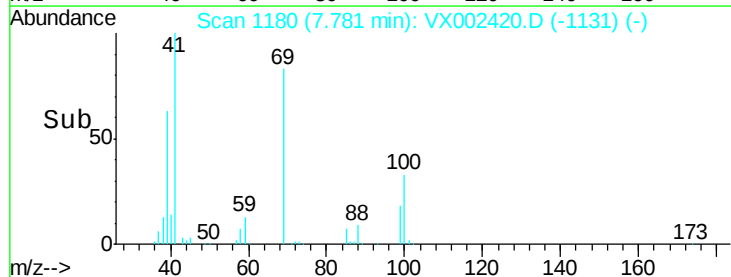
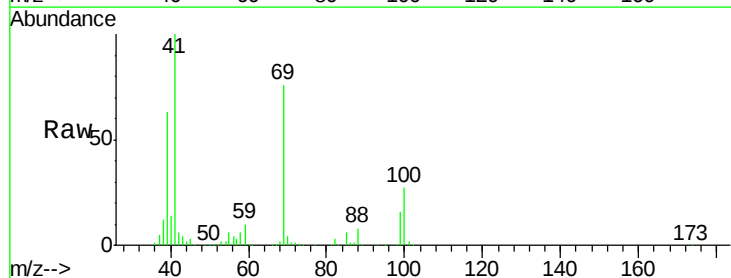
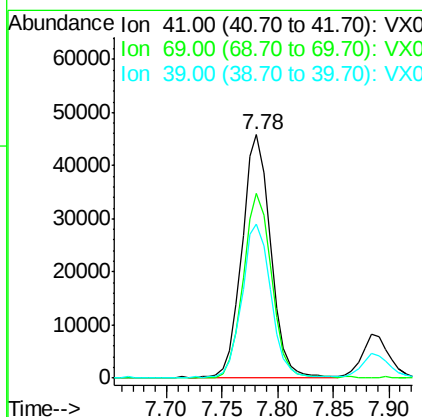
Manual Integrations
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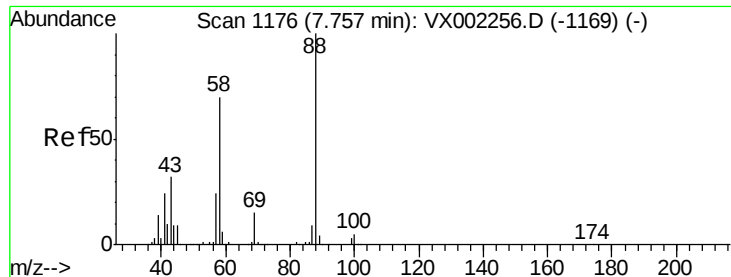
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#48
Methyl methacrylate
Concen: 21.33 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion	41	Resp	81489
Ion Ratio	100	Lower	Upper
41	100		
69	76.5	59.1	88.7
39	64.2	48.9	73.3





#49

1,4-Dioxane

Concen: 433.22 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

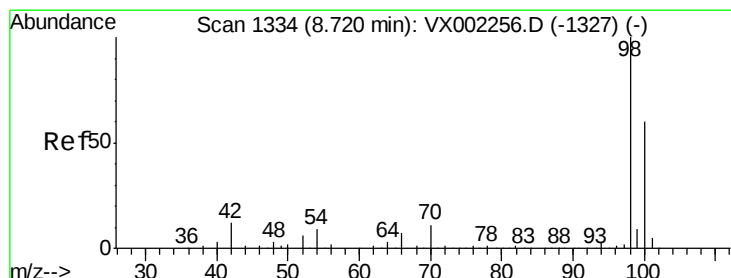
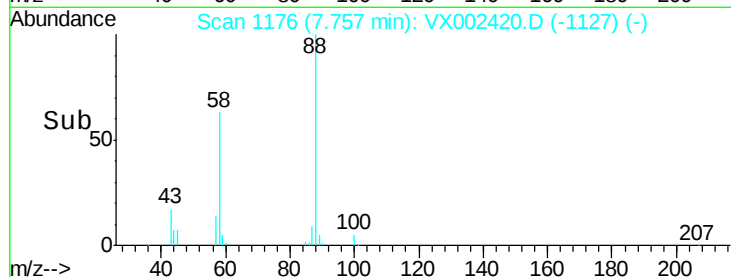
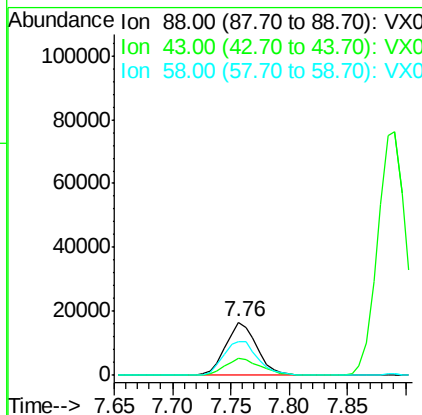
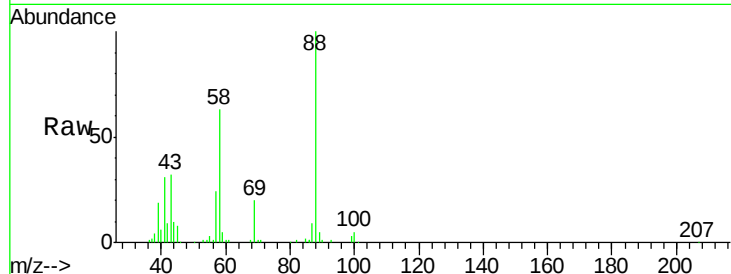
ClientSampleId :

VX0609WBSD01

Tot Ion:	88	Resp:	30953
Ion	Ratio	Lower	Upper
88	100		
43	37.7	29.8	44.6
58	70.2	57.1	85.7

Manual Integrations
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#50

Toluene-d8

Concen: 49.44 ug/l

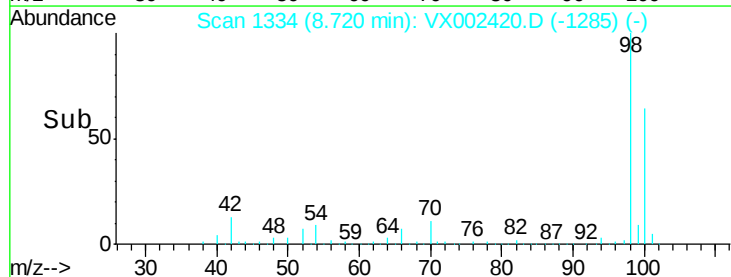
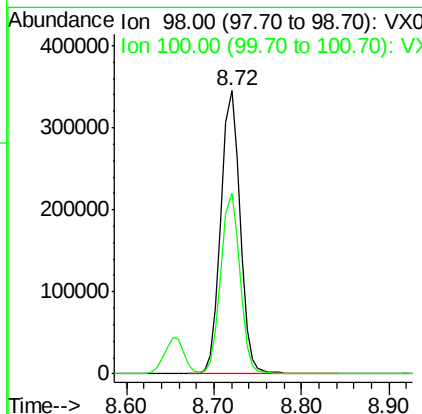
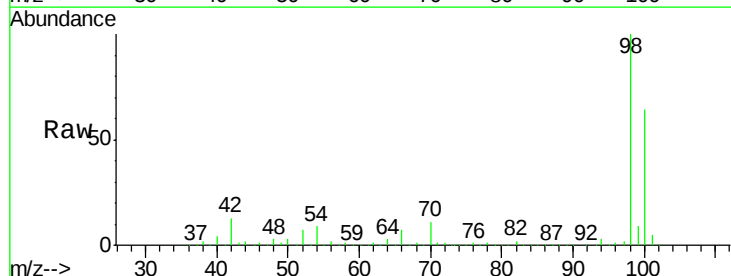
RT: 8.72 min Scan# 1334

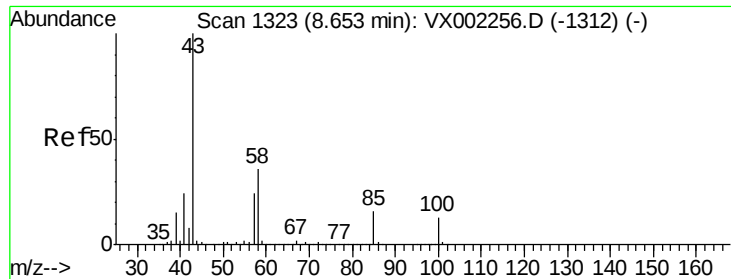
Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Tgt Ion:	98	Resp:	527929
Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 109.78 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampled :

VX0609WBSD01

Tot Ion: 43 Resp: 520081

Ion Ratio Lower Upper

43 100

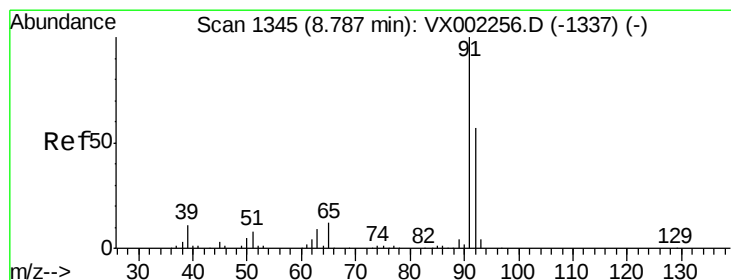
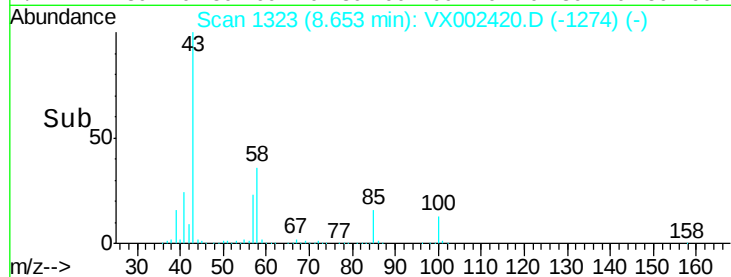
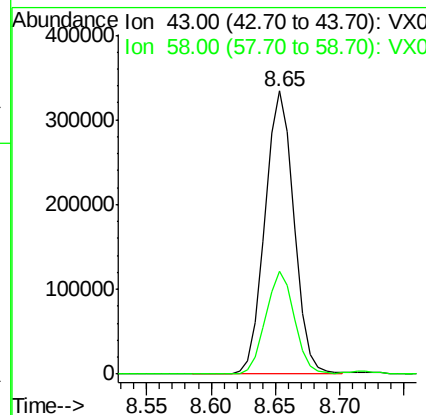
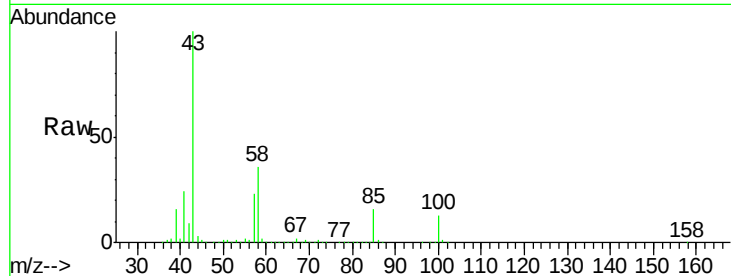
58 35.8 28.6 42.8

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#52

Toluene

Concen: 21.05 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002420.D

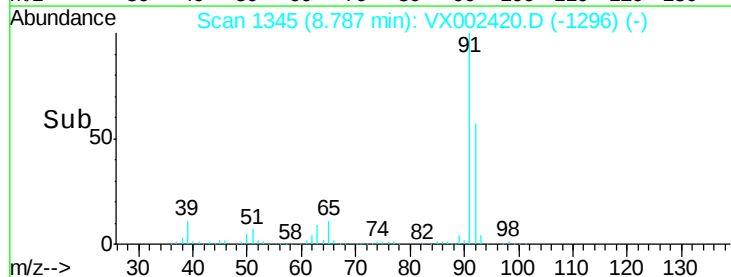
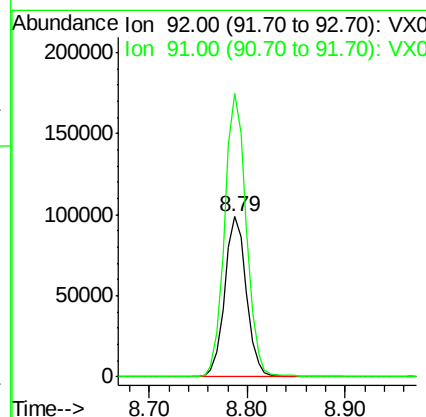
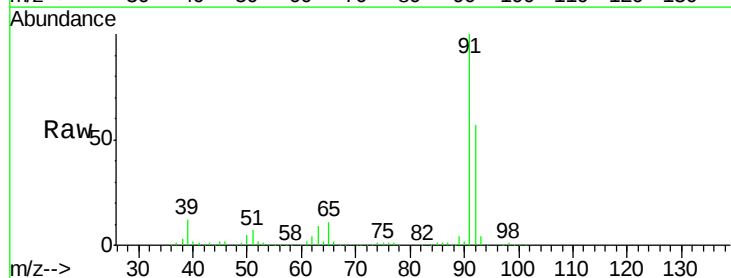
Acq: 09 Jun 2018 14:49

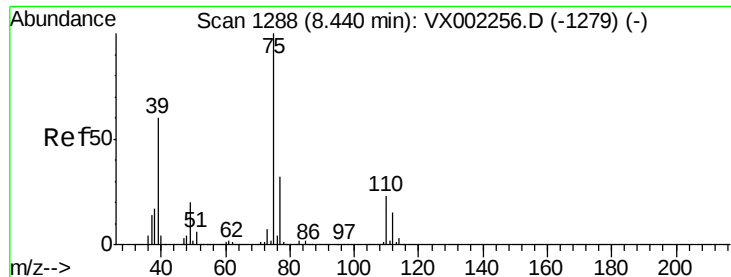
Tgt Ion: 92 Resp: 152889

Ion Ratio Lower Upper

92 100

91 177.1 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 20.95 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion: 75 Resp: 94941

Ion Ratio Lower Upper

75 100

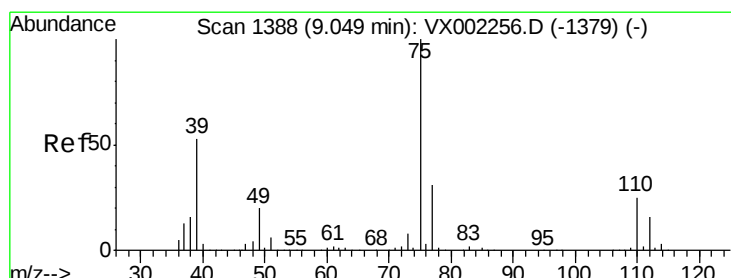
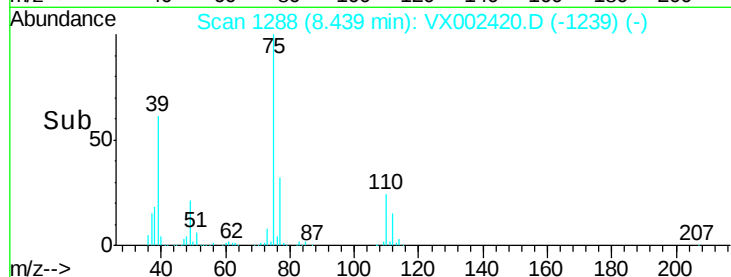
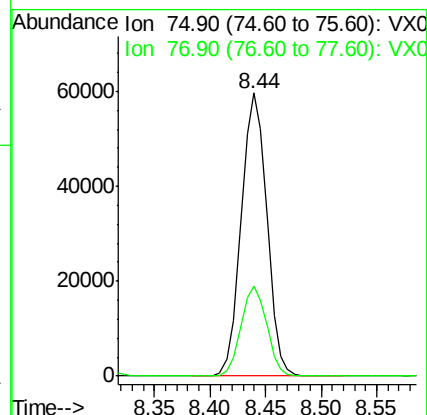
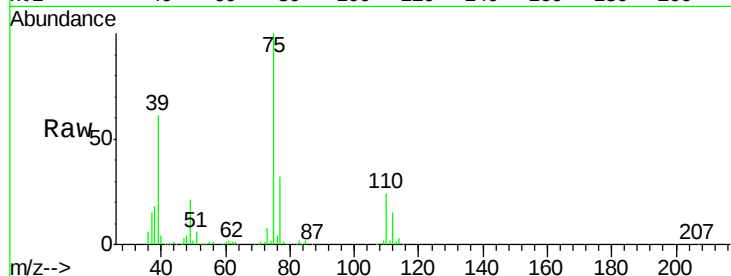
77 31.8 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.87 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

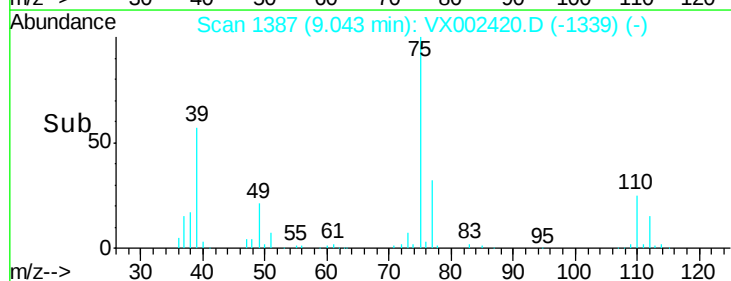
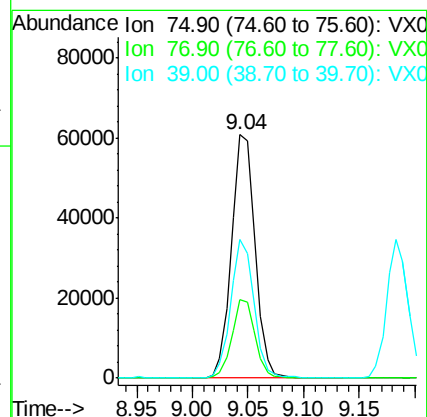
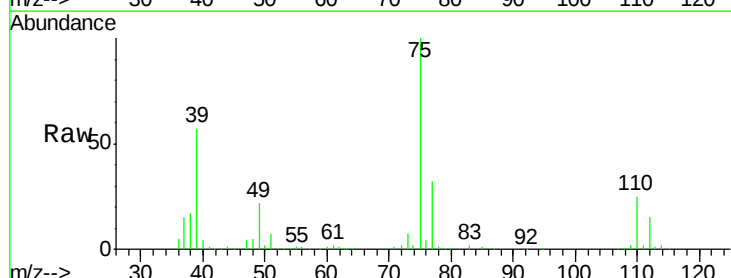
Tgt Ion: 75 Resp: 89243

Ion Ratio Lower Upper

75 100

77 32.3 24.8 37.2

39 56.9 42.4 63.6





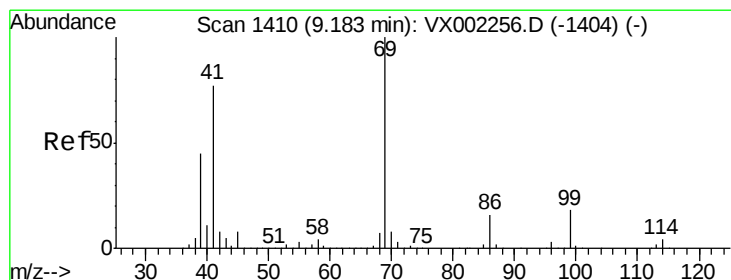
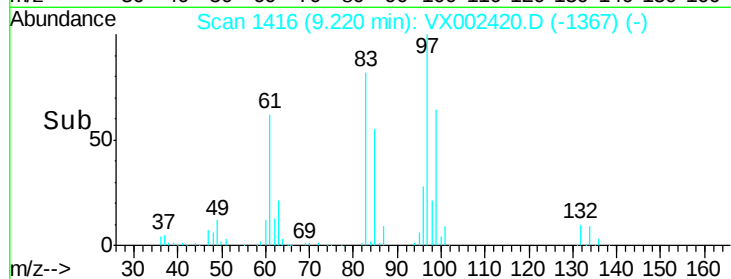
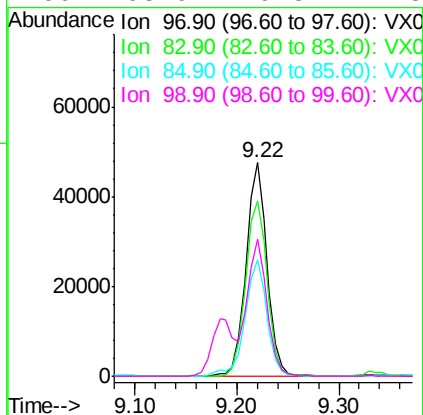
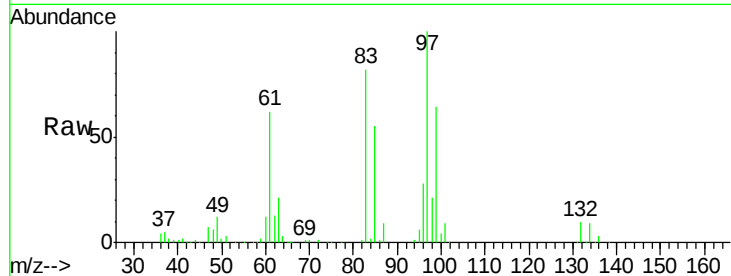
#55
 1,1,2-Trichloroethane
 Concen: 22.69 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0609WBSD01

Tot Ion:	97	Resp:	67763
Ion	Ratio	Lower	Upper
97	100		
83	82.4	70.2	105.2
85	54.7	44.9	67.3
99	63.9	49.8	74.8

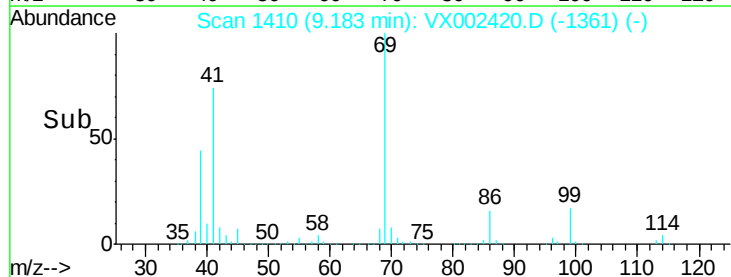
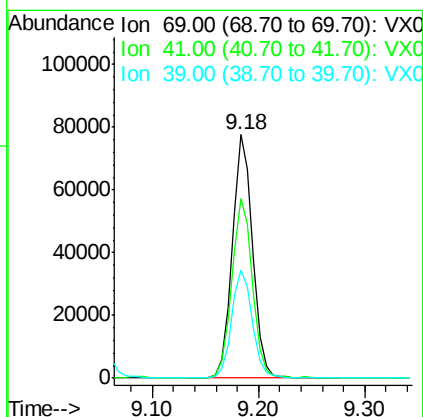
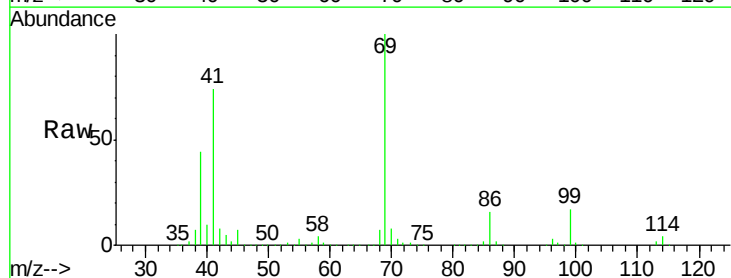
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 21.85 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Tgt Ion:	69	Resp:	104188
Ion	Ratio	Lower	Upper
69	100		
41	74.5	60.3	90.5
39	44.9	35.8	53.8





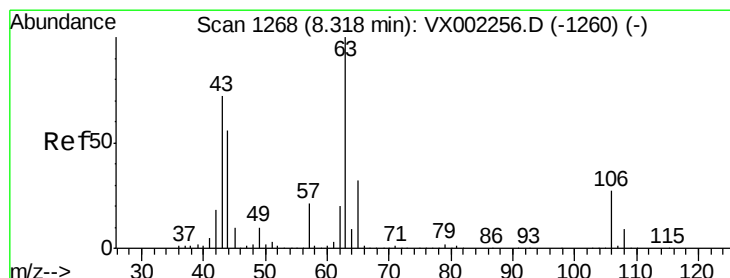
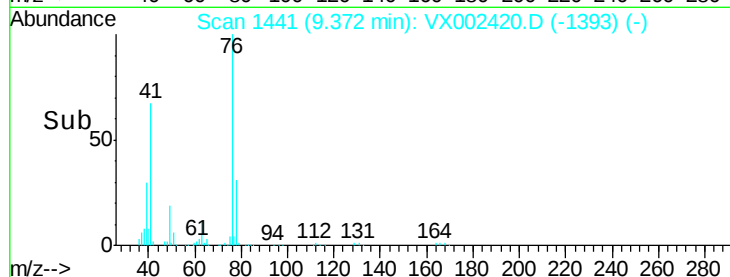
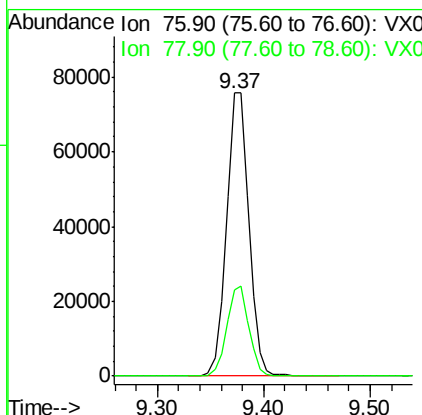
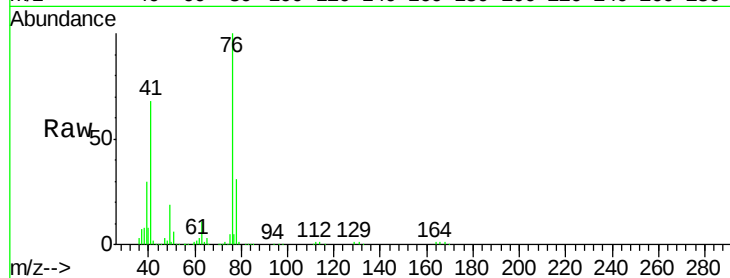
#57
 1,3-Dichloropropane
 Concen: 22.26 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0609WBSD01

Tot Ion: 76 Resp: 111538
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

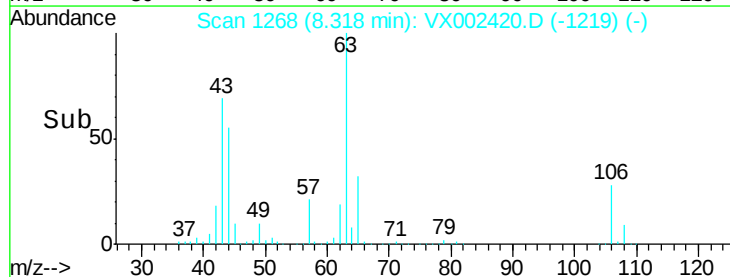
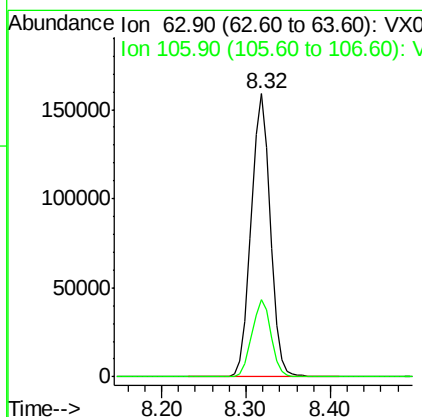
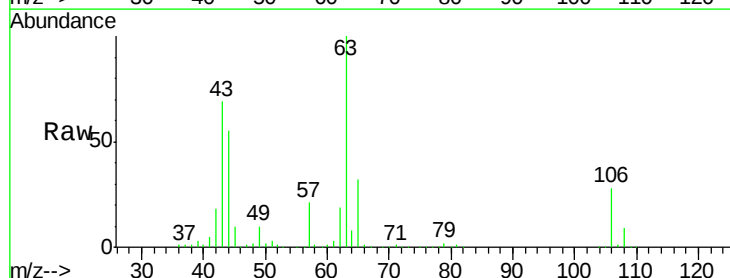
Manual Integrations
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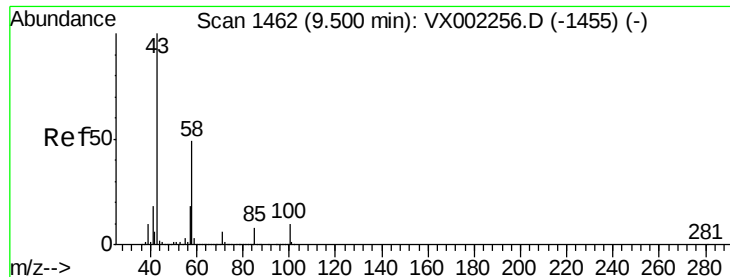
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#58
 2-Chloroethyl Vinyl ether
 Concen: 110.03 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Tgt Ion: 63 Resp: 242870
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.8 32.8





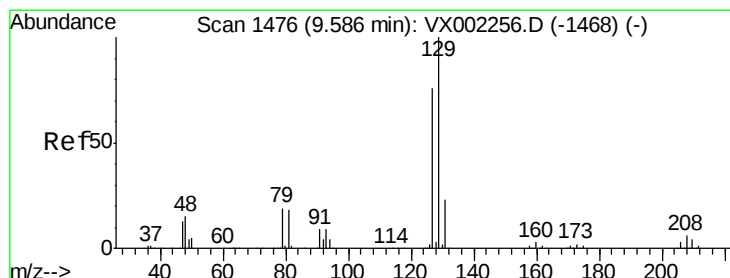
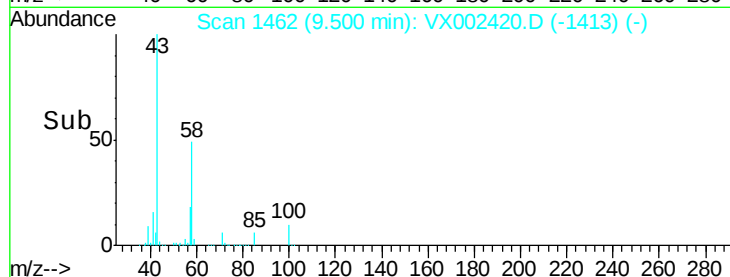
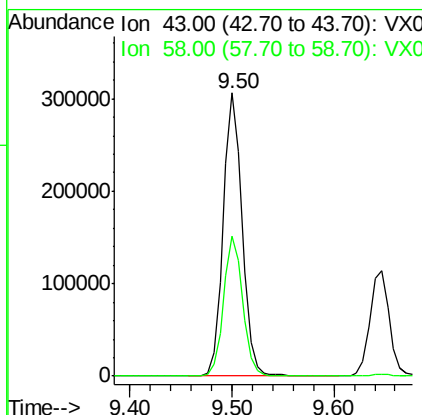
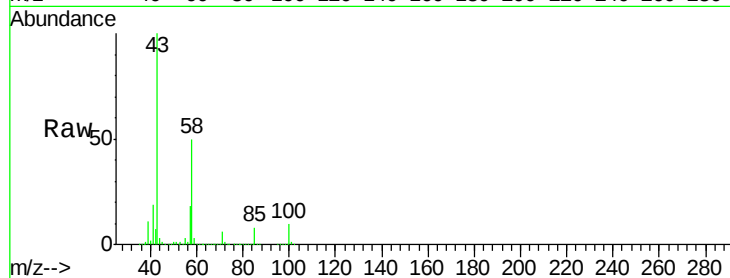
#59
2-Hexanone
Concen: 108.43 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion: 43 Resp: 396778
Ion Ratio Lower Upper
43 100
58 49.7 24.6 73.6

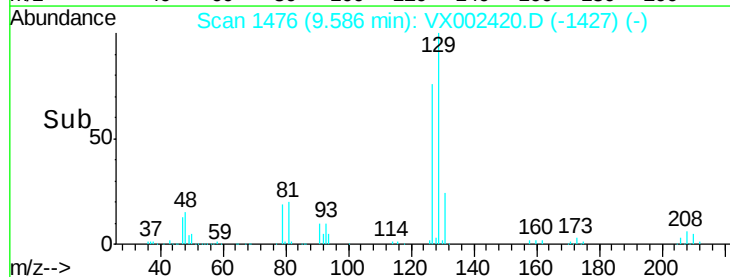
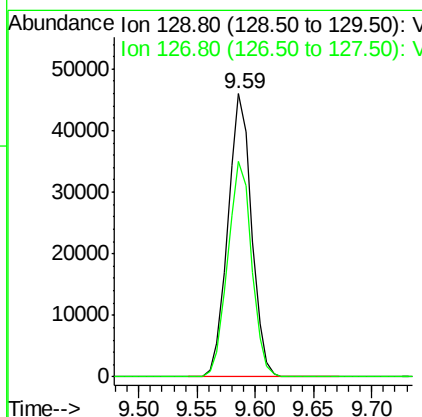
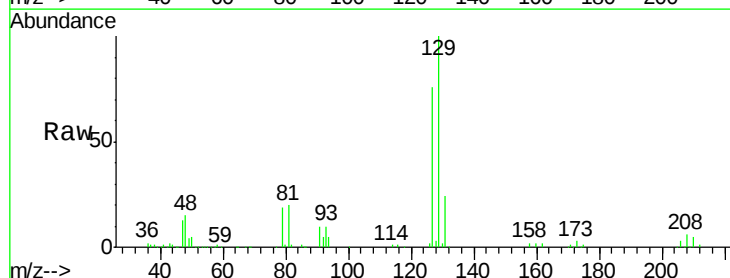
Manual Integrations
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#60
Dibromochloromethane
Concen: 21.66 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion: 129 Resp: 65080
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 22.48 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion:107 Resp: 70009

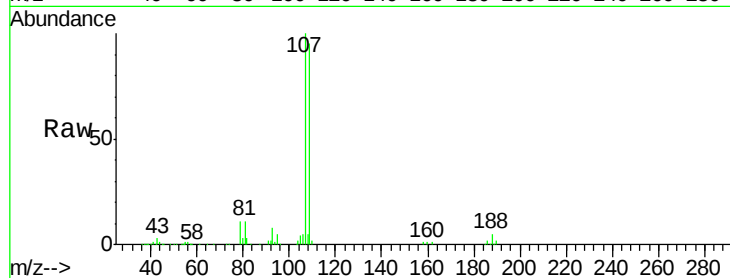
Ion Ratio Lower Upper

107 100

109 93.5 75.3 112.9

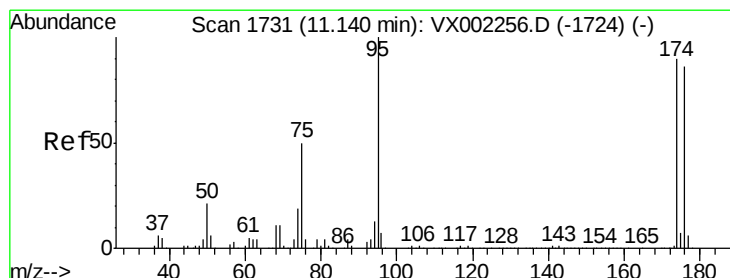
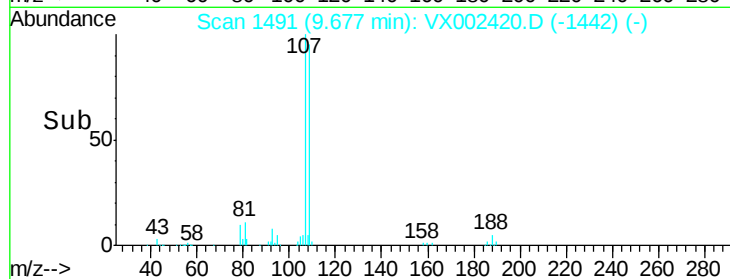
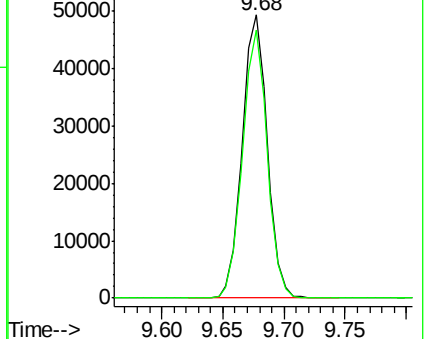
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

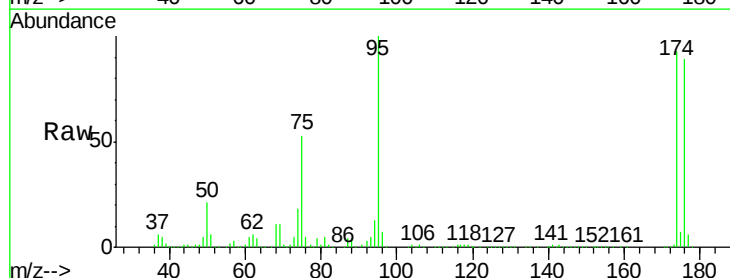
Tgt Ion: 95 Resp: 206421

Ion Ratio Lower Upper

95 100

174 94.6 0.0 187.4

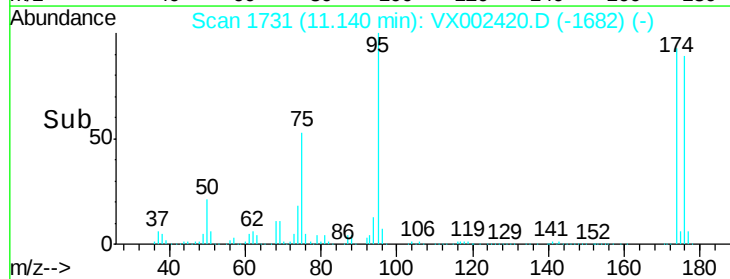
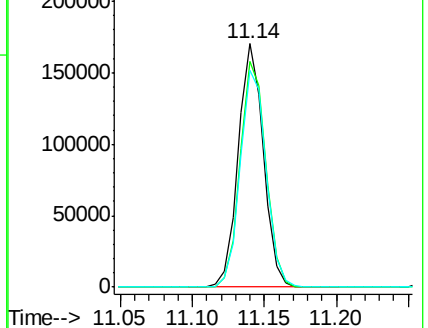
176 91.5 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





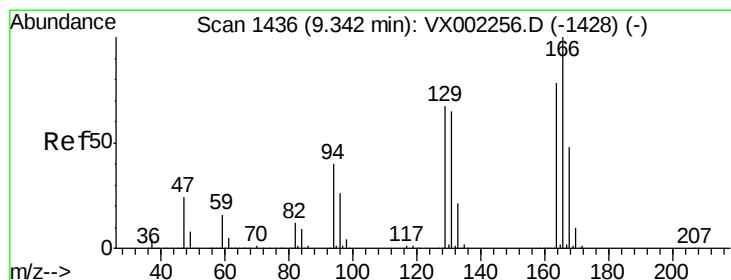
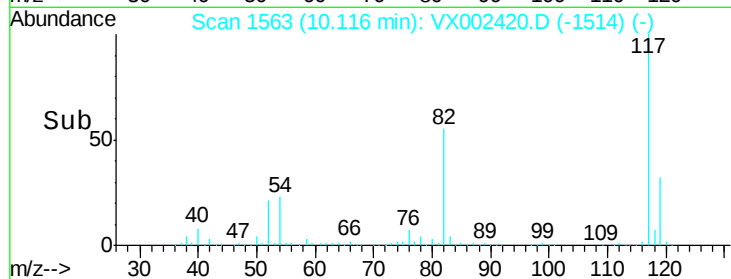
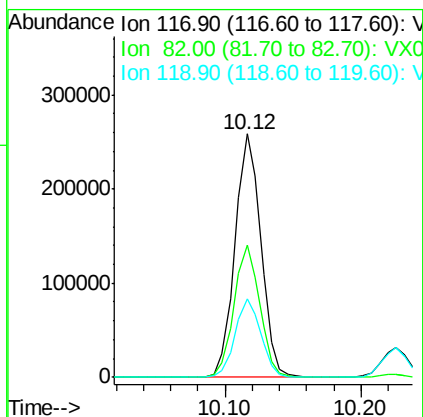
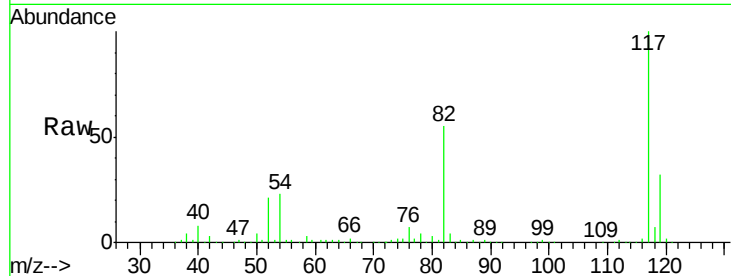
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.0	67.4
119	32.1	25.8	38.6

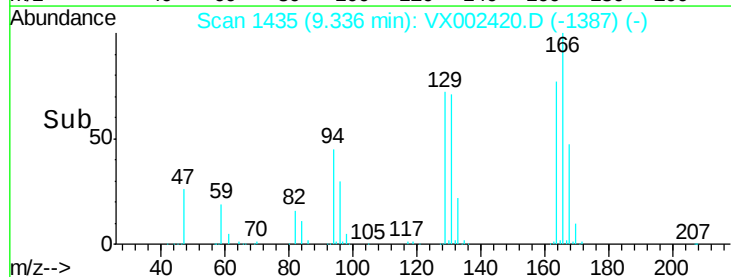
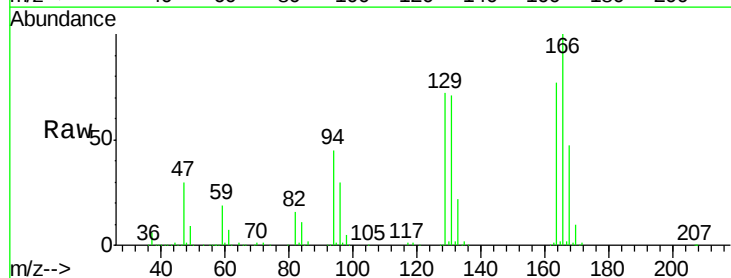
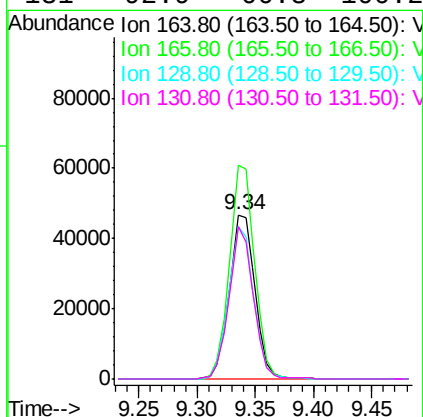
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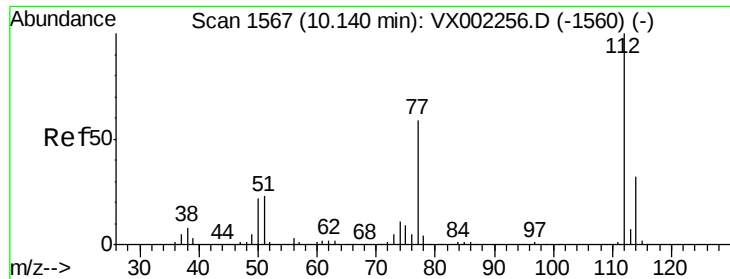
MMDadoda
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#64
Tetrachloroethene
Concen: 20.34 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.9	154.3
129	93.1	68.6	102.8
131	92.9	66.8	100.2





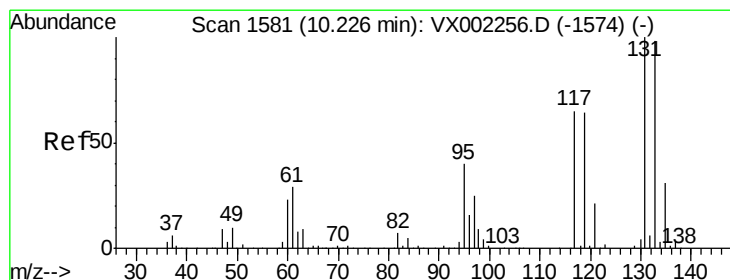
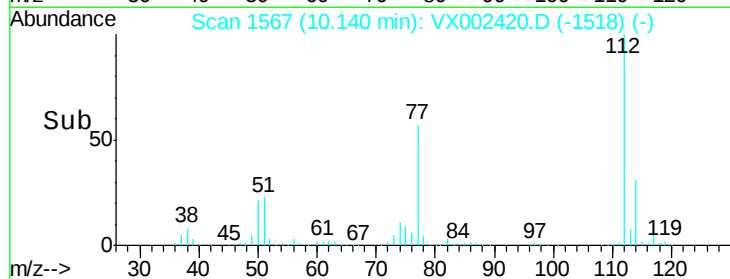
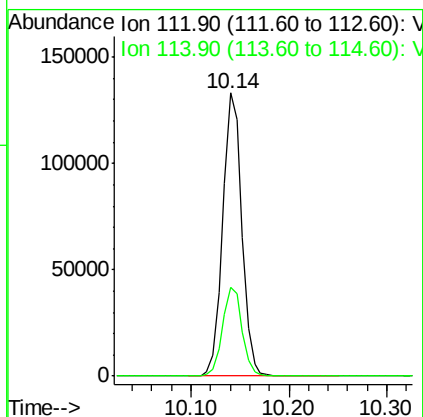
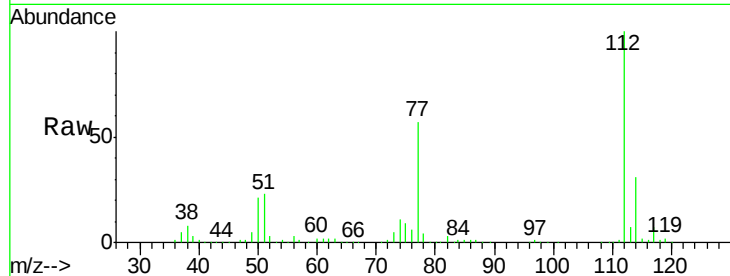
#65
Chlorobenzene
Concen: 21.25 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion:112 Resp: 181191
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

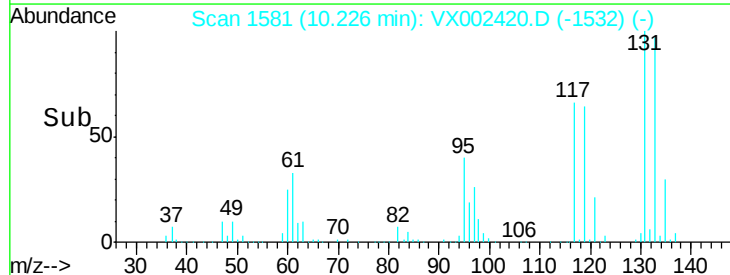
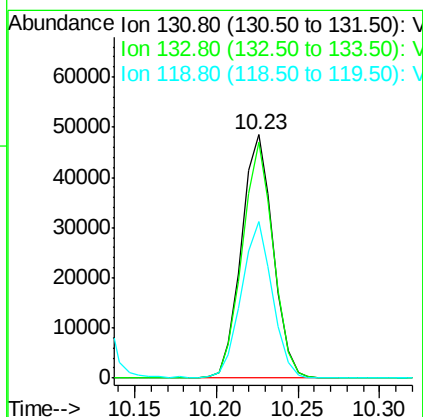
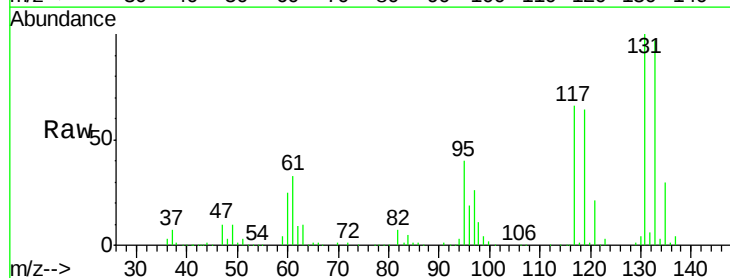
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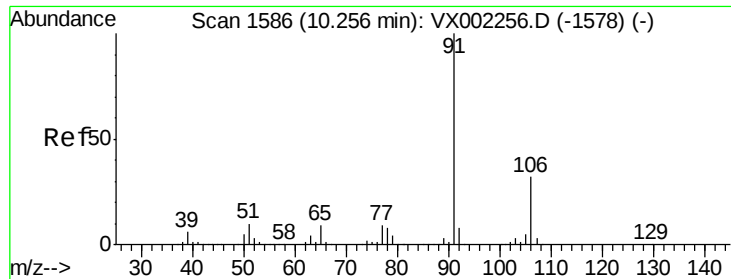
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.30 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion:131 Resp: 65746
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.6
119 62.9 31.8 95.3





#67

Ethyl Benzene

Concen: 21.27 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampled :

VX0609WBSD01

Tot Ion: 91 Resp: 303505

Ion Ratio Lower Upper

91 100

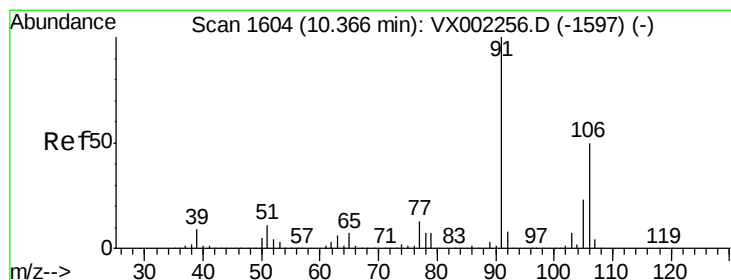
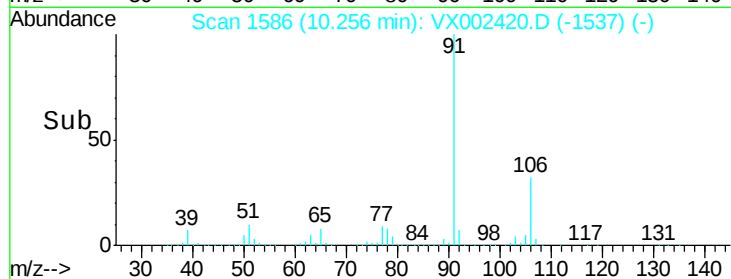
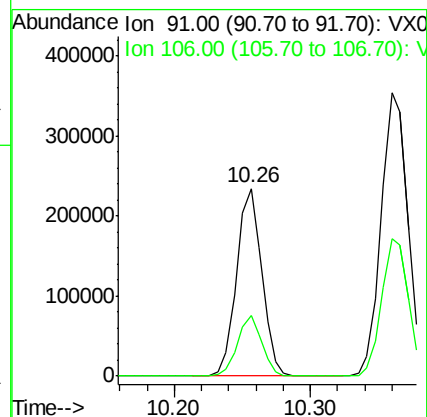
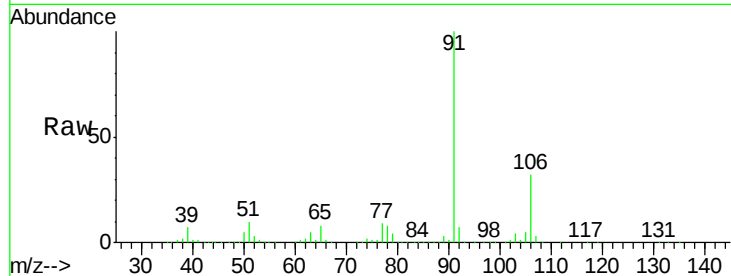
106 32.1 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.15 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002420.D

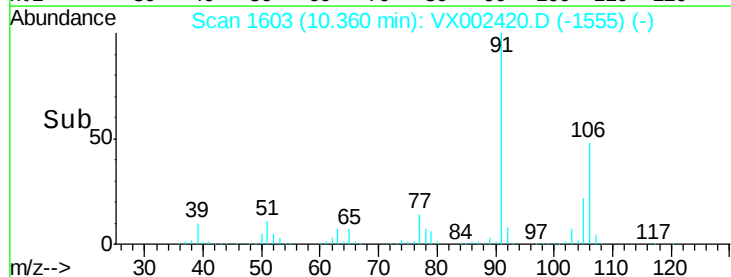
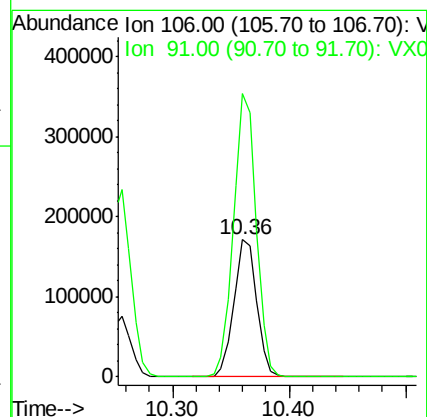
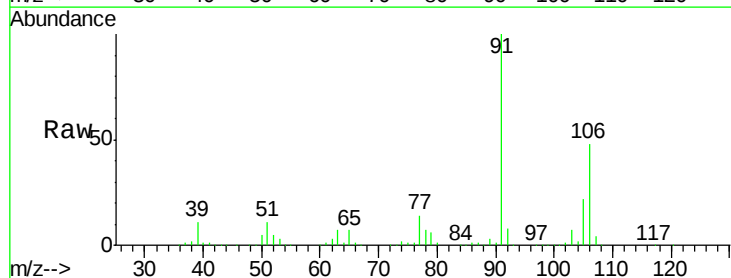
Acq: 09 Jun 2018 14:49

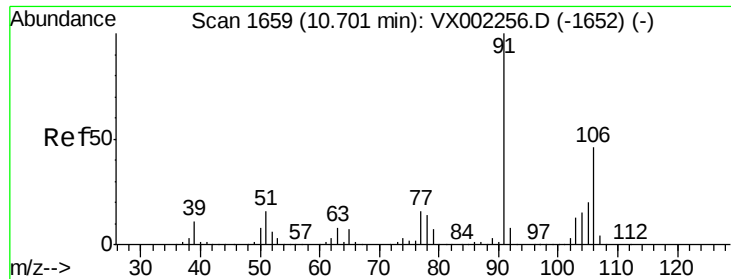
Tgt Ion: 106 Resp: 233761

Ion Ratio Lower Upper

106 100

91 205.4 163.4 245.2





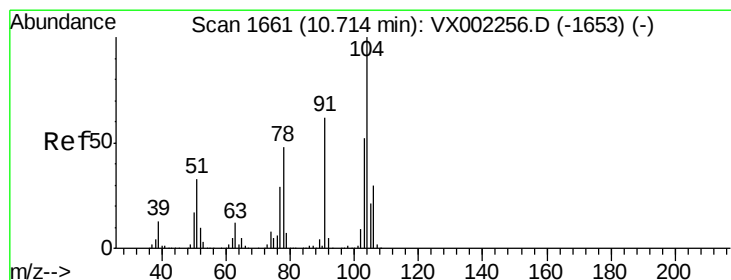
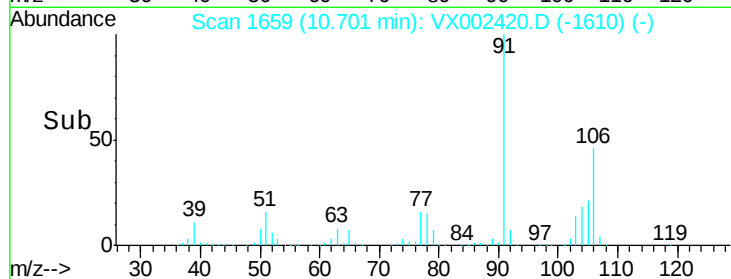
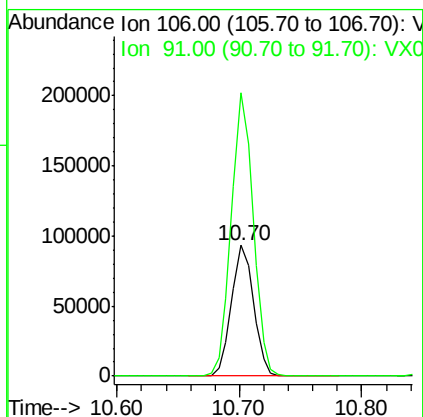
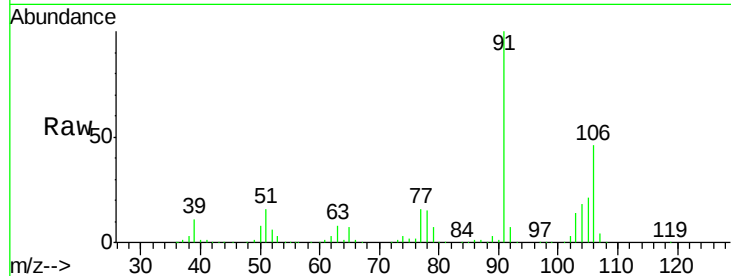
#69
o-Xylene
Concen: 21.13 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampled :
VX0609WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.6	108.2	324.6

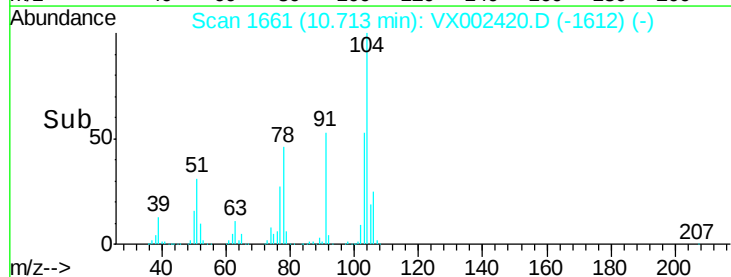
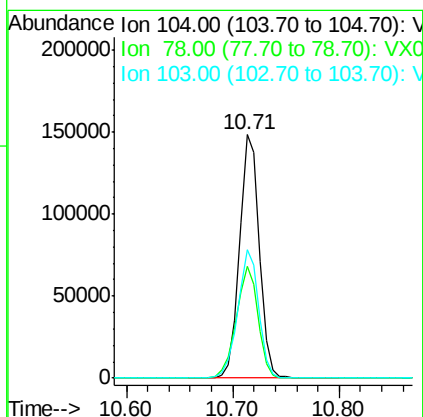
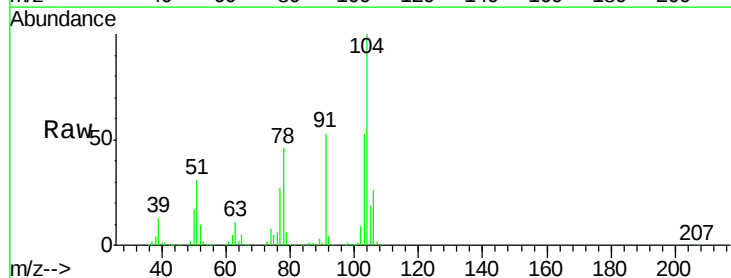
Manual Integrations
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#70
Styrene
Concen: 21.50 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.4	41.0	61.6
103	56.0	44.2	66.4





#71

Bromoform

Concen: 19.80 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion:173 Resp: 48552

Ion Ratio Lower Upper

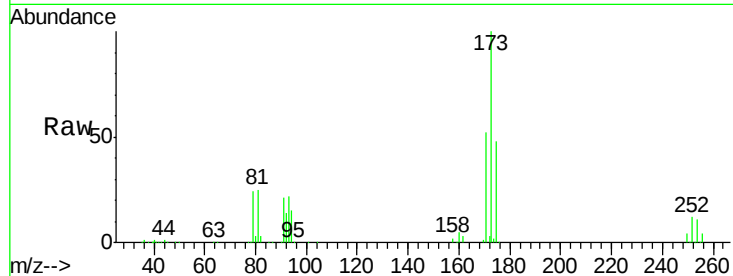
173 100

175 49.6 24.7 74.1

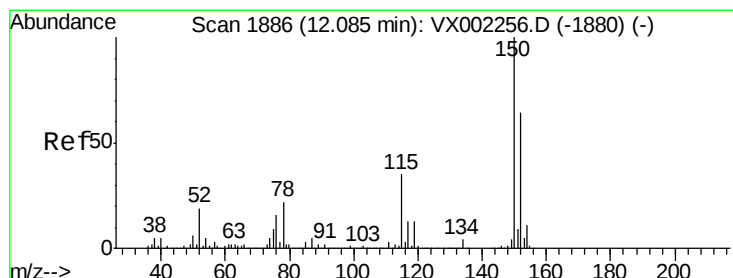
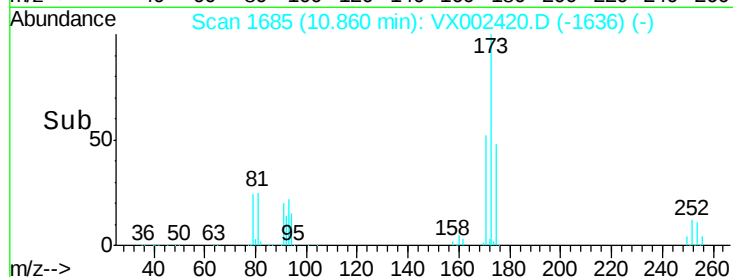
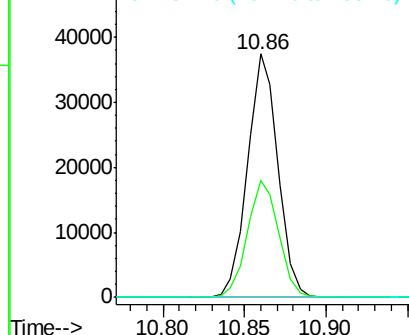
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

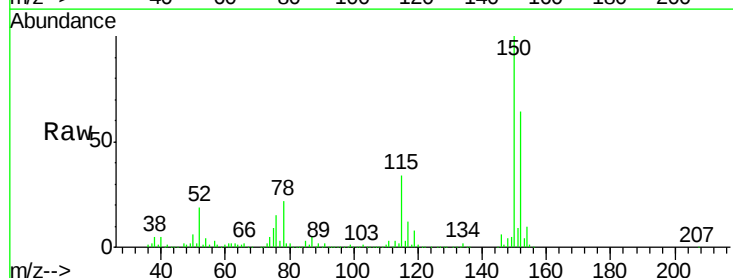
Tgt Ion:152 Resp: 219549

Ion Ratio Lower Upper

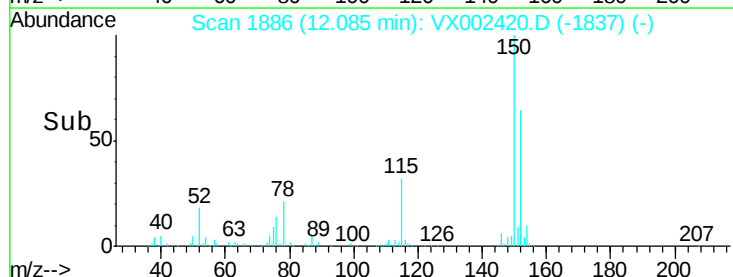
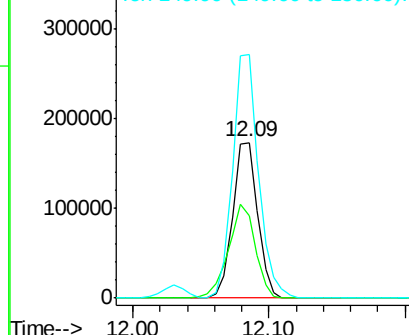
152 100

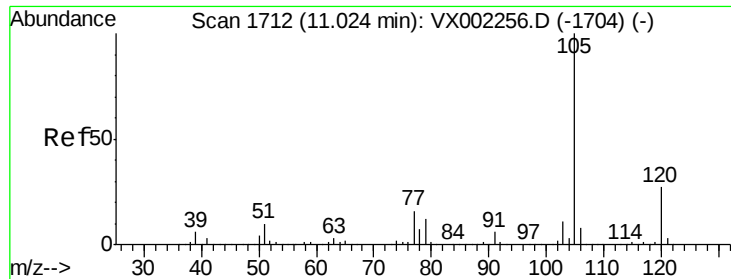
115 65.0 40.1 120.2

150 163.6 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.60 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion: 105 Resp: 314689

Ion Ratio Lower Upper

105 100

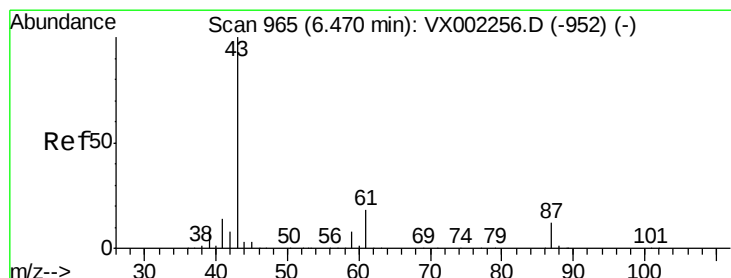
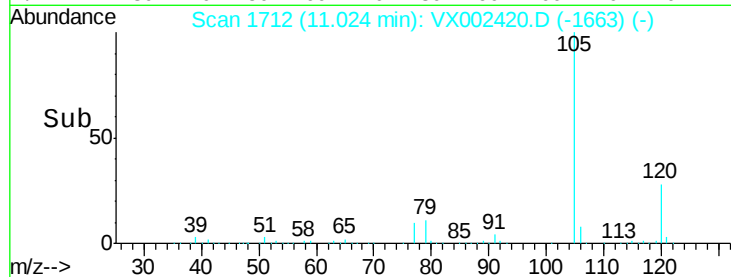
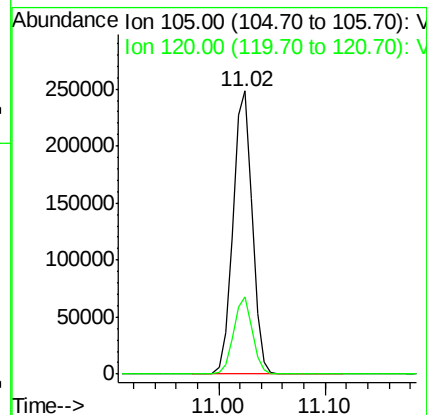
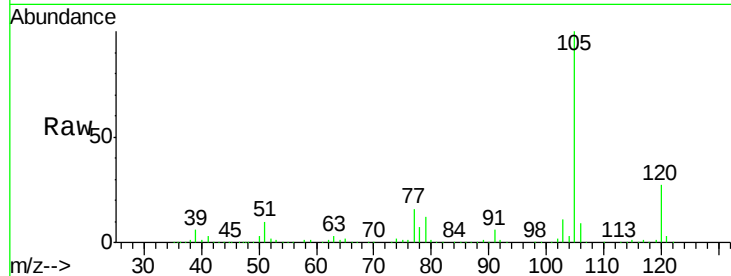
120 26.8 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.61 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Tgt Ion: 43 Resp: 161366

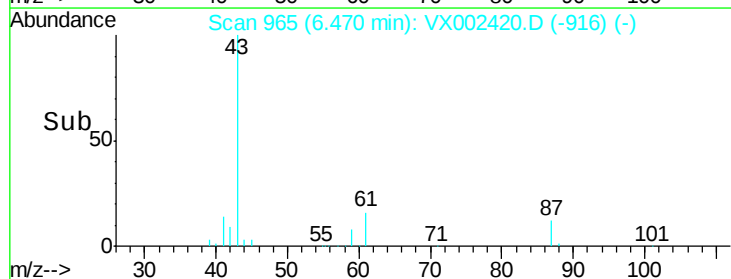
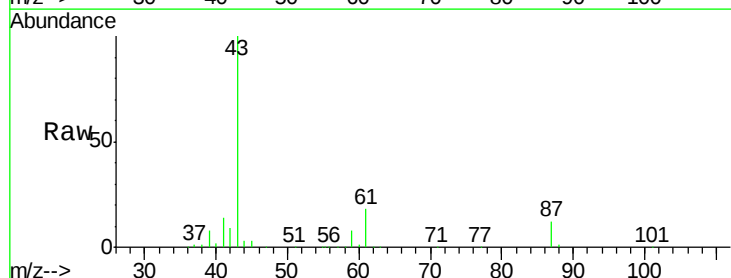
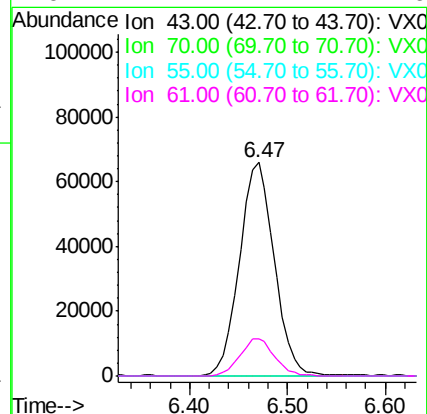
Ion Ratio Lower Upper

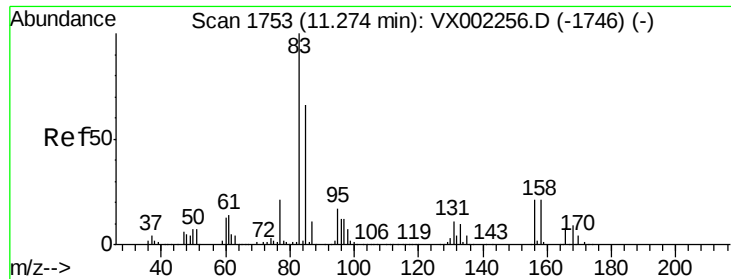
43 100

70 0.0 0.0 0.0#

55 0.3 0.0 0.0#

61 17.7 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.05 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

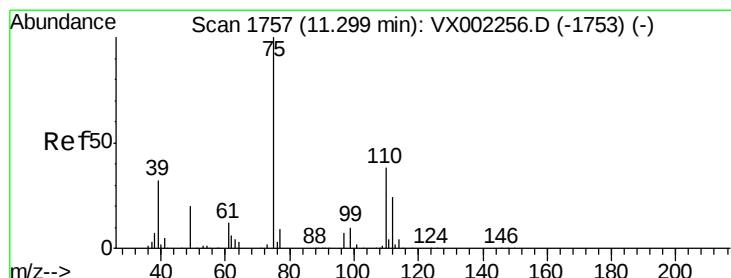
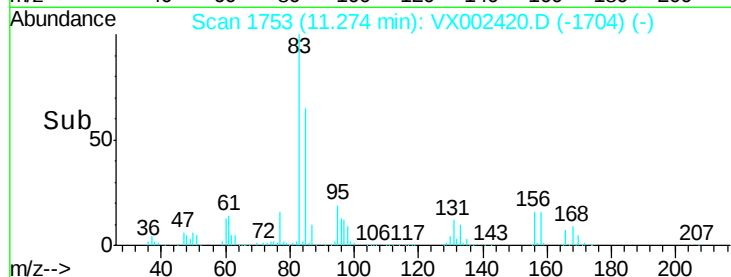
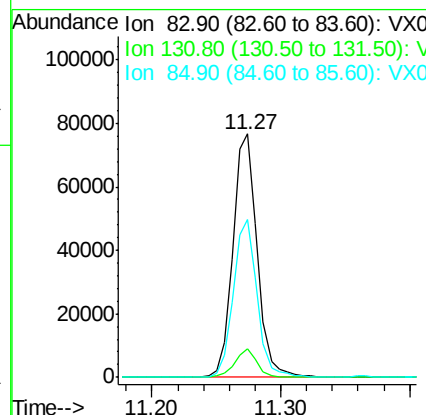
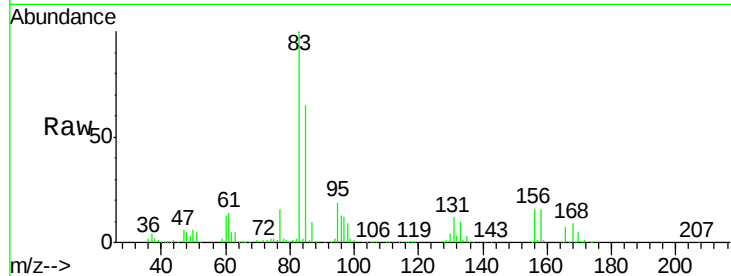
ClientSampleId :

VX0609WBSD01

Tot Ion:	83	Resp:	101104
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.6	16.8
85	63.7	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.80 ug/l m

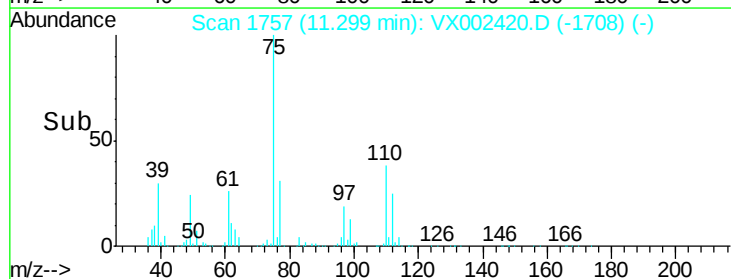
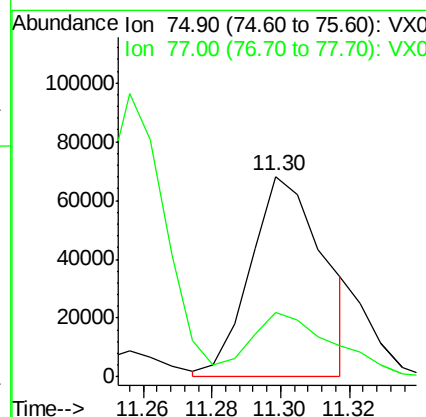
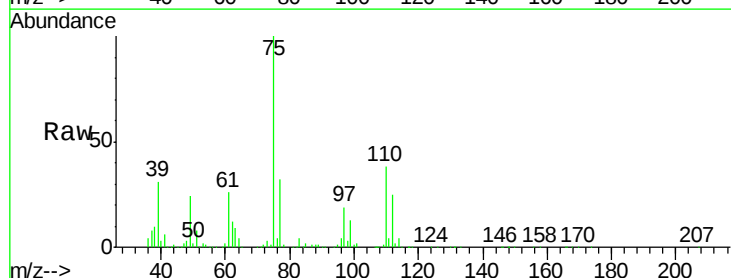
RT: 11.30 min Scan# 1757

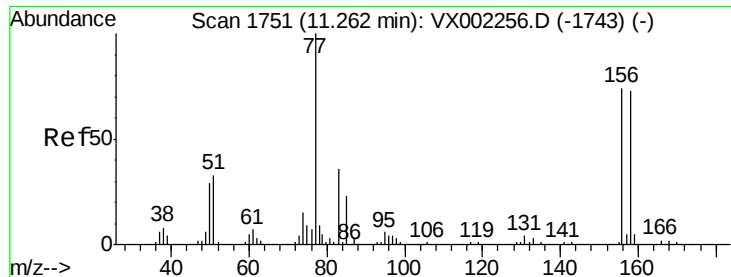
Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Tgt Ion:	75	Resp:	100227
Ion Ratio	Lower	Upper	
75	100		
77	36.6	22.8	68.3





#77

Bromobenzene

Concen: 20.34 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion:156 Resp: 87220

Ion Ratio Lower Upper

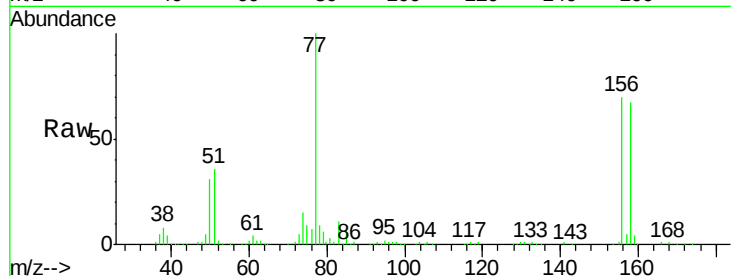
156 100

77 140.2 71.4 214.2

158 97.7 48.9 146.6

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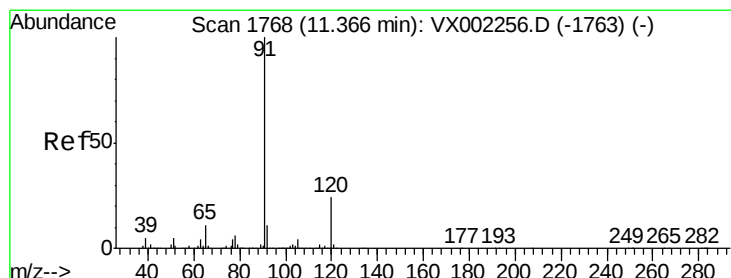
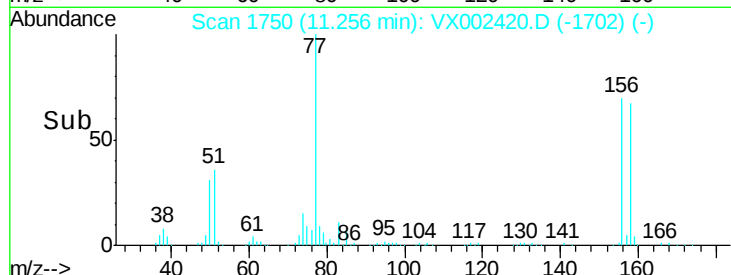
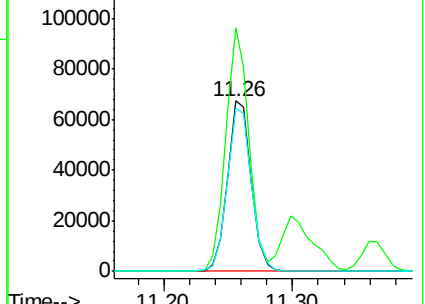
MMDadoda
6/11/2018 2:32:53 PM



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: 21.24 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002420.D

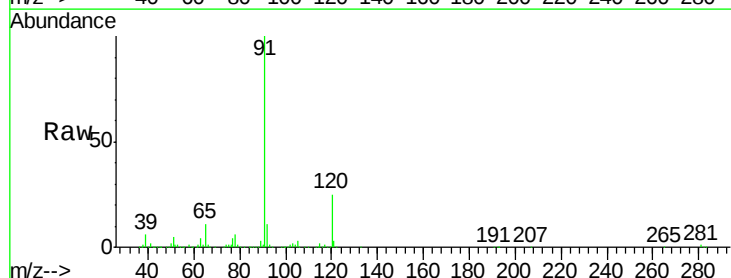
Acq: 09 Jun 2018 14:49

Tgt Ion: 91 Resp: 360540

Ion Ratio Lower Upper

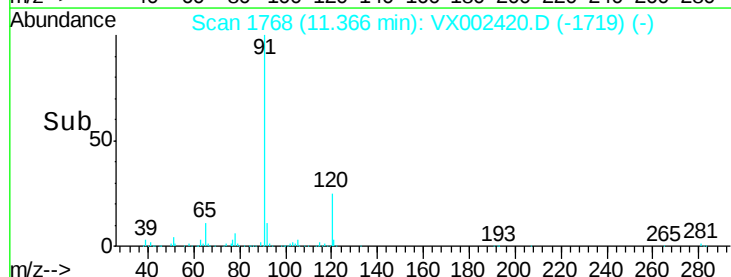
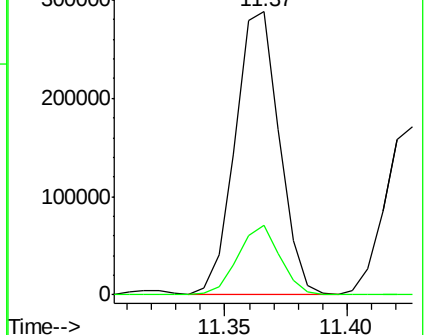
91 100

120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.02 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion: 91 Resp: 214566

Ion Ratio Lower Upper

91 100

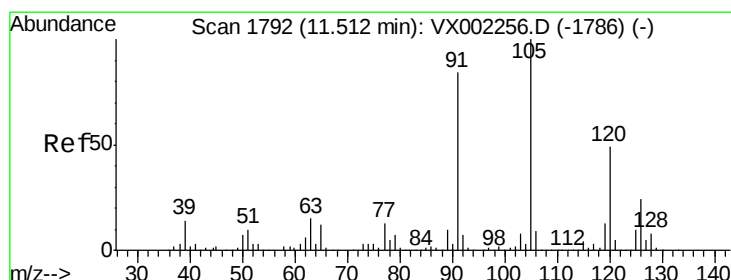
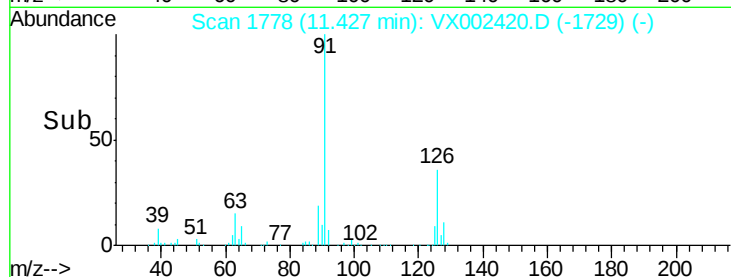
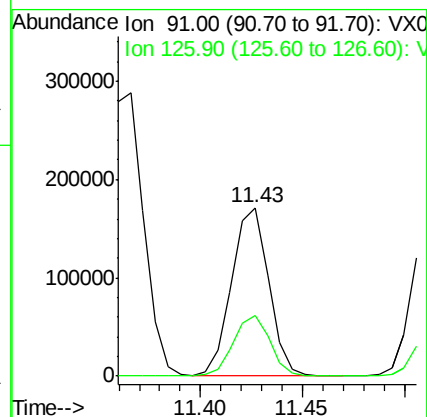
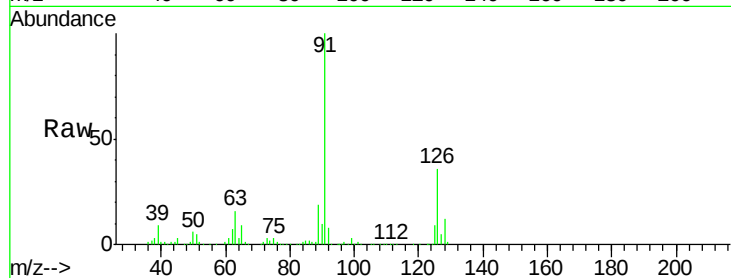
126 35.6 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.69 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002420.D

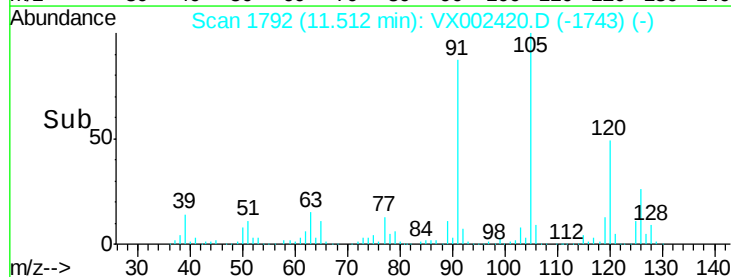
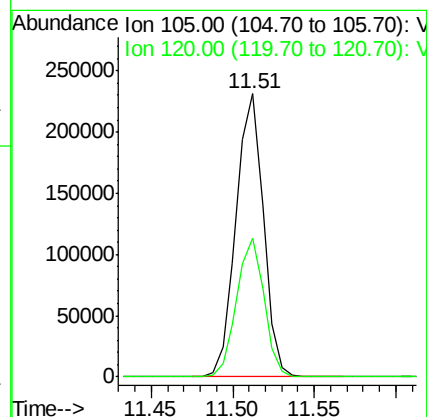
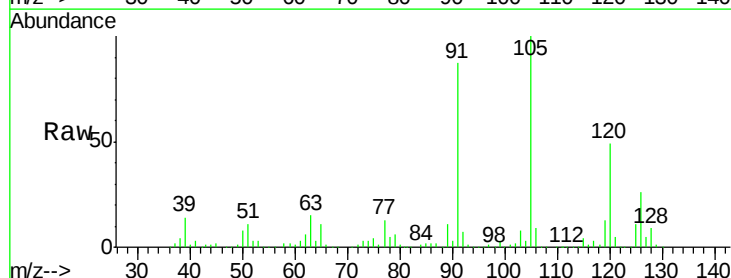
Acq: 09 Jun 2018 14:49

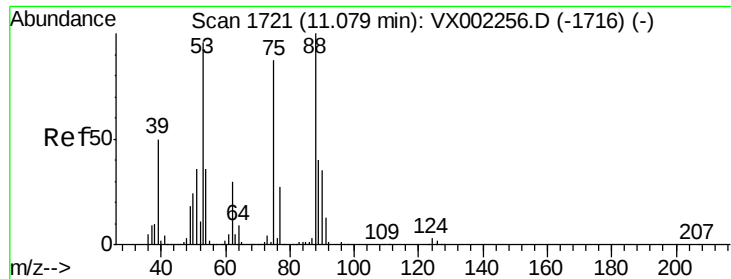
Tgt Ion: 105 Resp: 271064

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.4





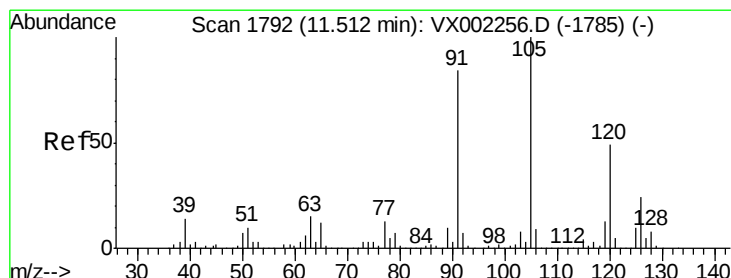
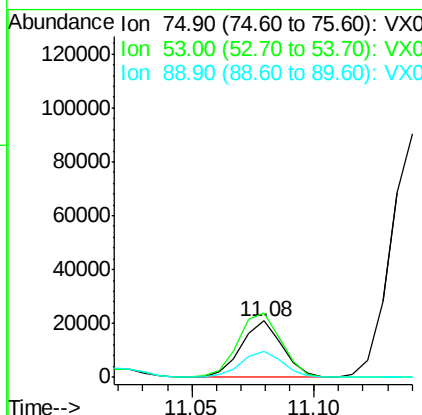
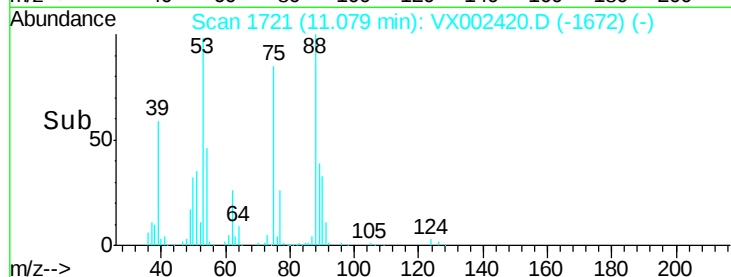
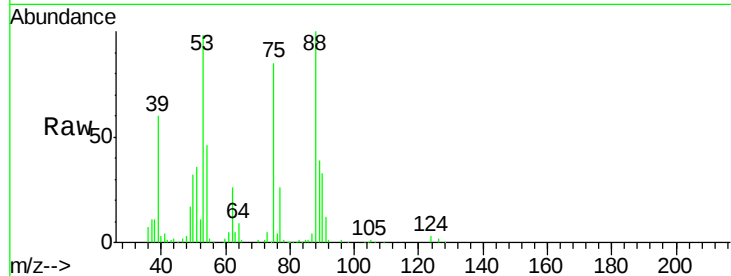
#81
trans-1,4-Dichloro-2-butene
Concen: 17.86 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.1	86.8	130.2
89	47.7	38.2	57.2

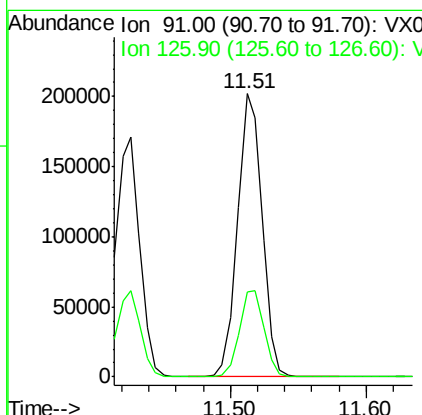
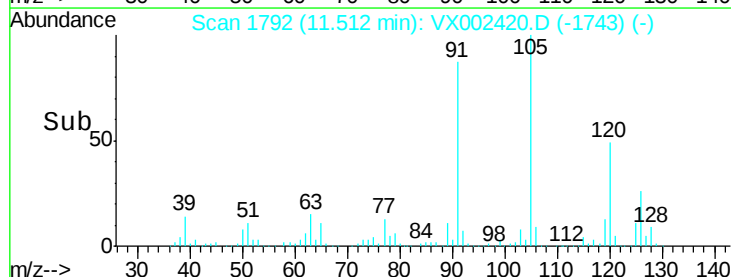
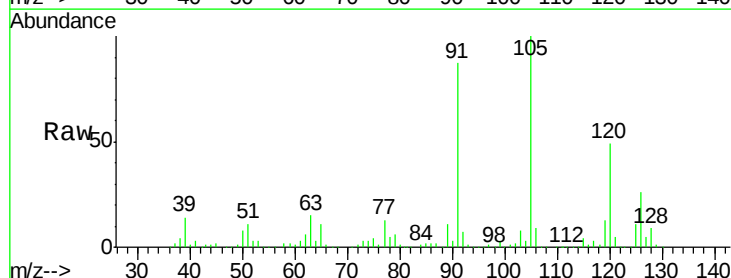
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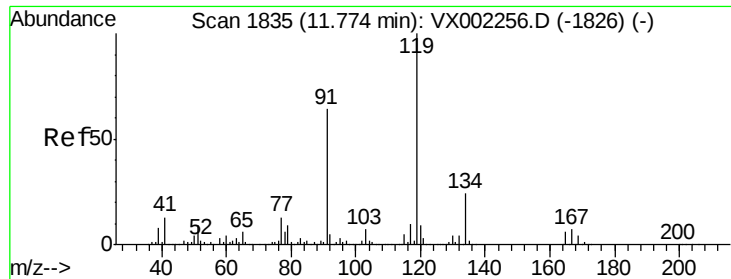
MMDadoda
6/11/2018 2:32:53 PM



#82
4-Chlorotoluene
Concen: 20.49 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.4





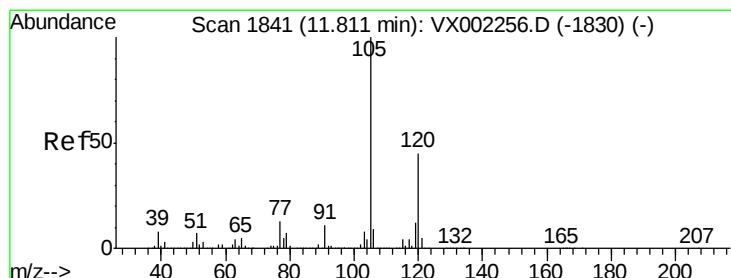
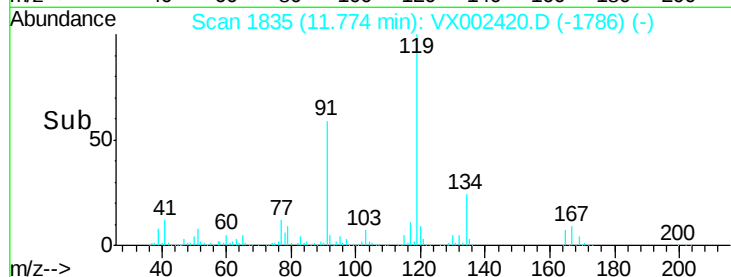
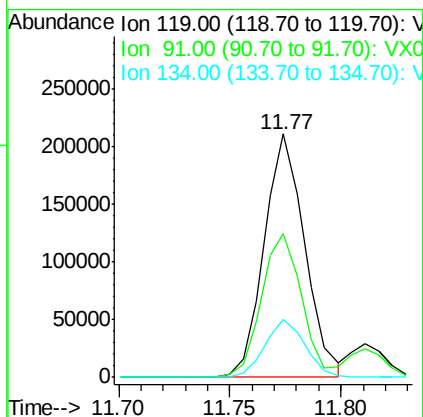
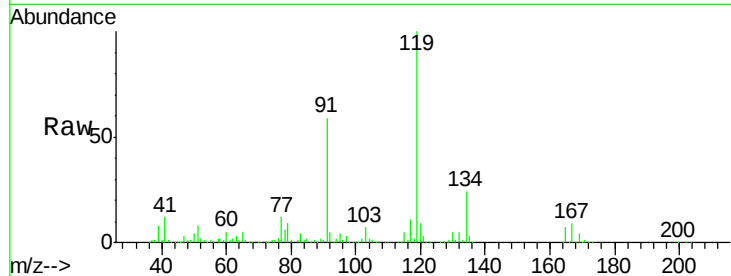
#83
tert-Butylbenzene
Concen: 20.87 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	266197		
91	59.3		30.3	90.9
134	23.6		11.7	35.1

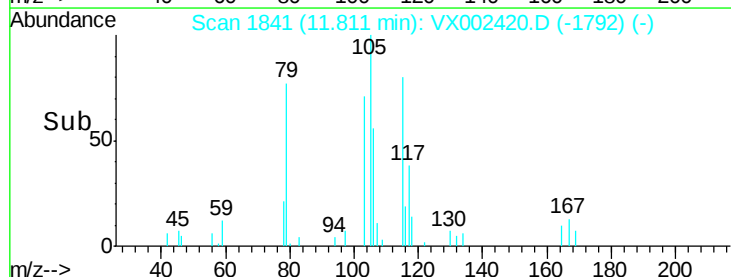
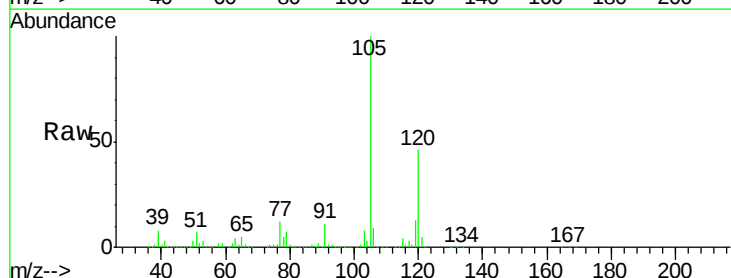
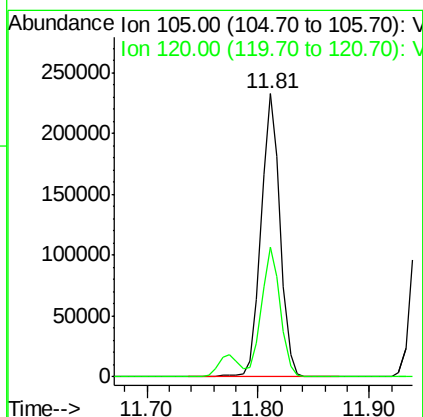
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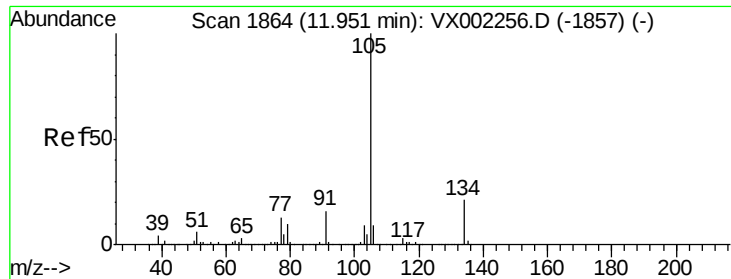
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.68 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	278903		
120	45.6		22.3	66.8





#85

sec-Butylbenzene

Concen: 21.79 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBSD01

Tot Ion:105 Resp: 325828

Ion Ratio Lower Upper

105 100

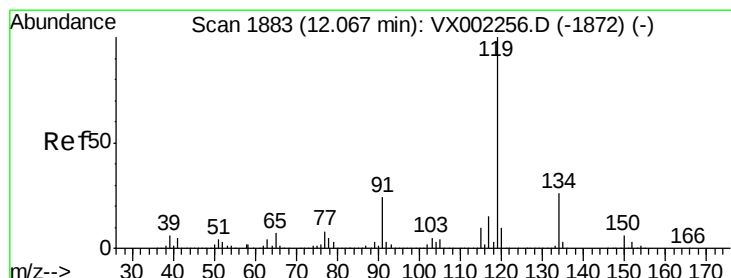
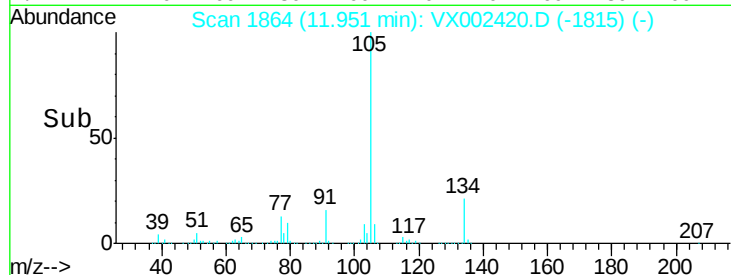
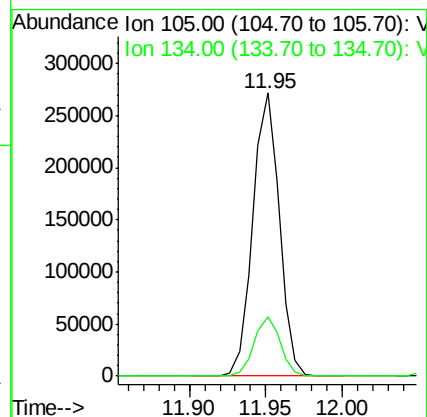
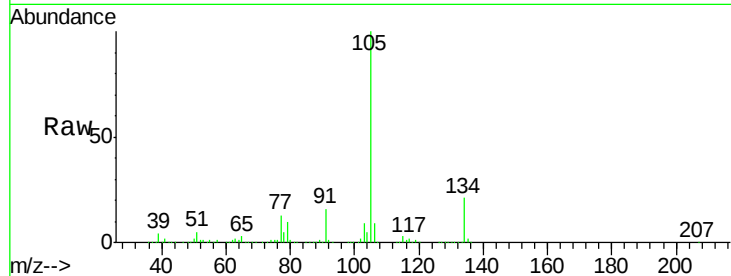
134 20.7 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.71 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

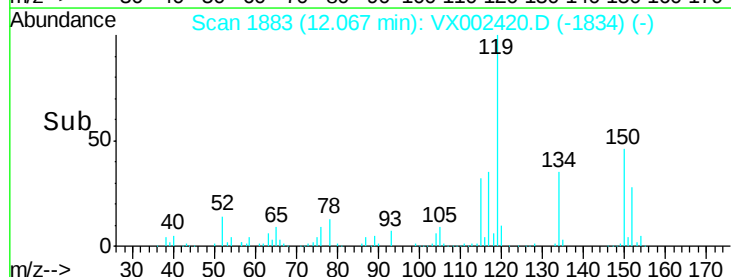
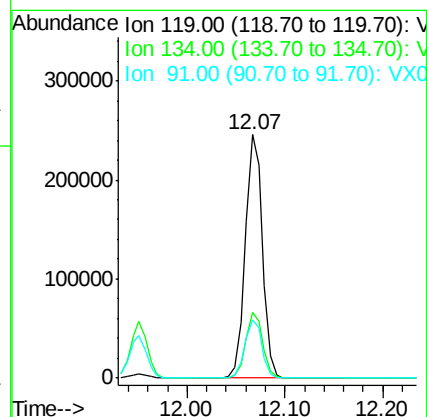
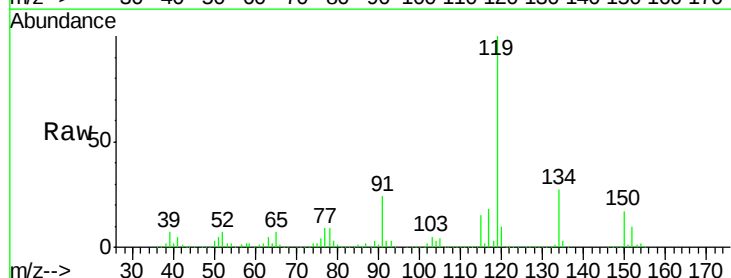
Tgt Ion:119 Resp: 295704

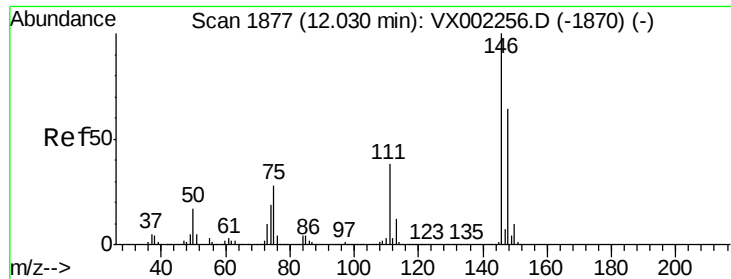
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 24.2 11.9 35.7





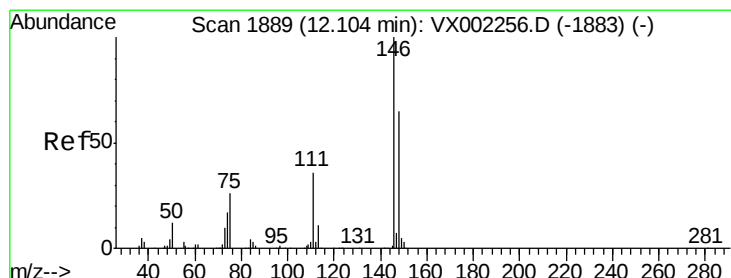
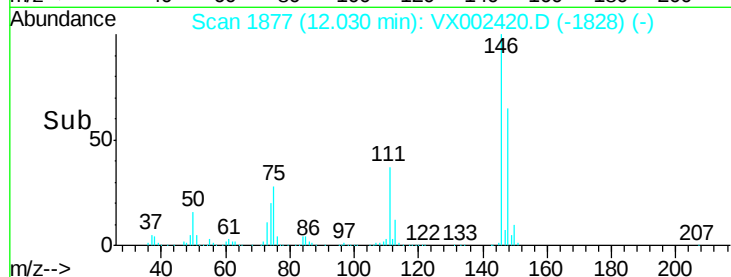
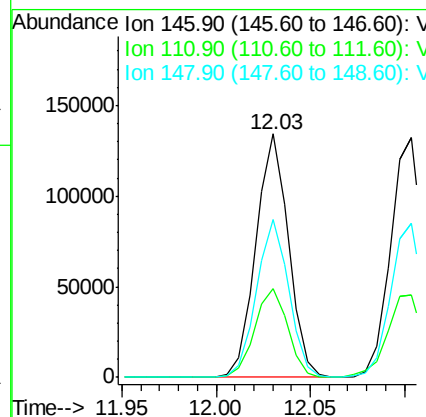
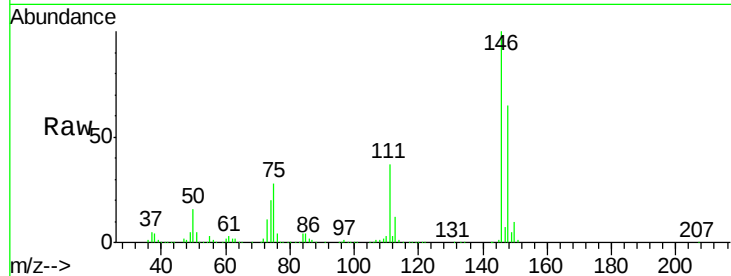
#87
 1,3-Dichlorobenzene
 Concen: 20.98 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Instrument :
 MSVOA_X
 ClientSampled :
 VX0609WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.7
148	64.1	32.1	96.3

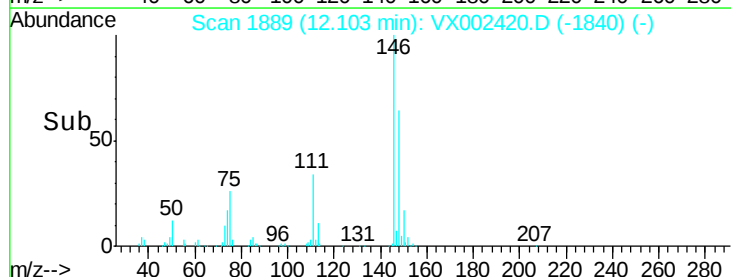
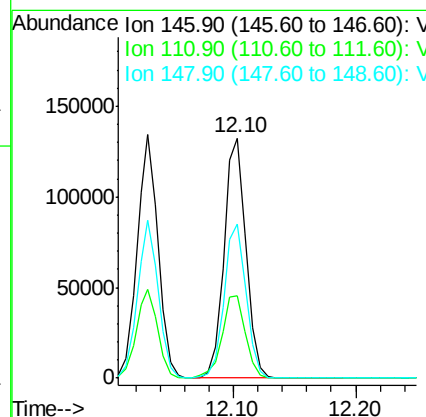
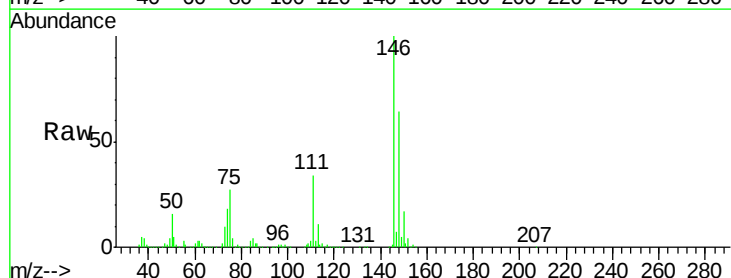
Manual Integrations
 APPROVED

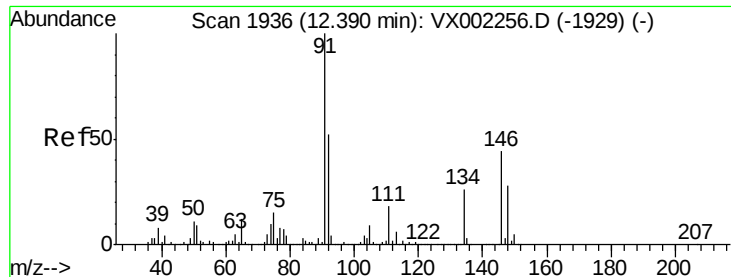
MMDadoda
 6/11/2018 2:32:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.82 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.7	56.1
148	64.5	32.4	97.0





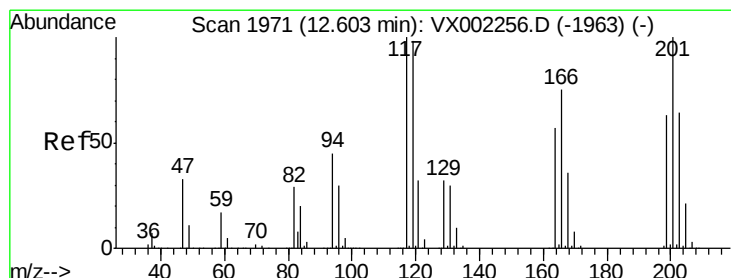
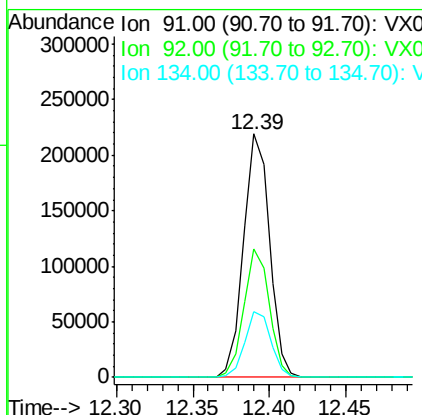
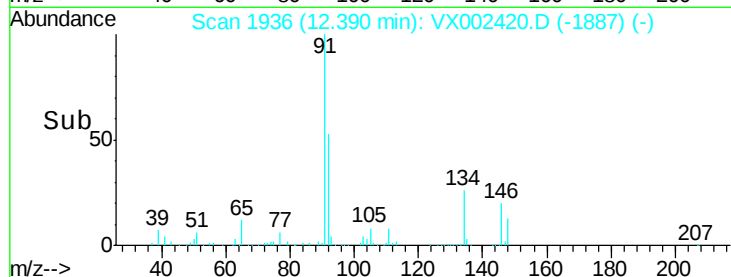
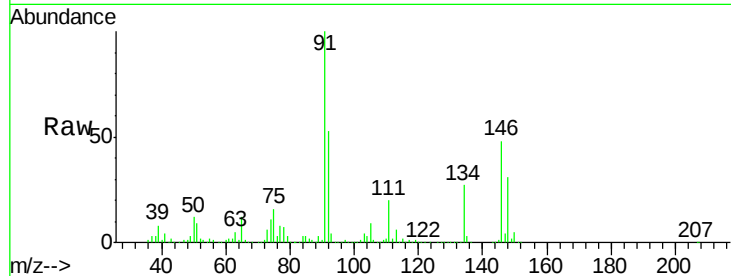
#89
n-Butylbenzene
Concen: 22.68 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0609WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	27.2	13.5	40.5

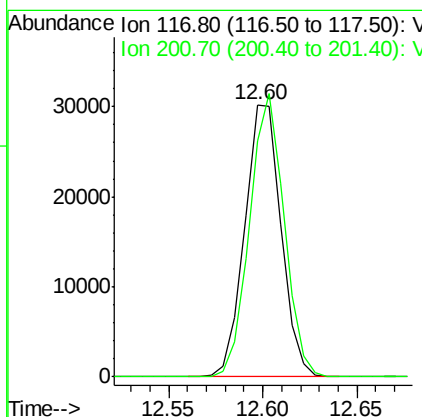
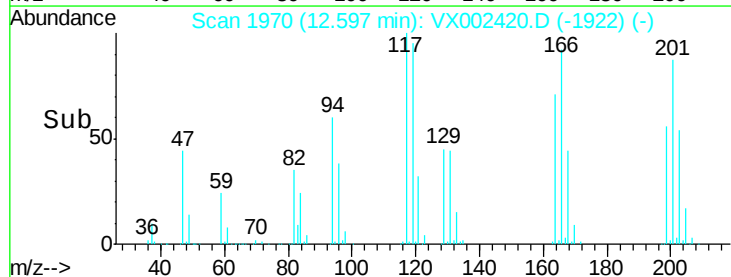
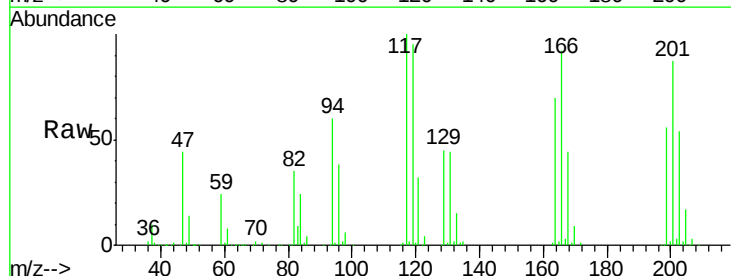
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#90
Hexachloroethane
Concen: 18.63 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002420.D
Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.2	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 20.90 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

ClientSampled :

VX0609WBSD01

Tot Ion:146 Resp: 165783

Ion Ratio Lower Upper

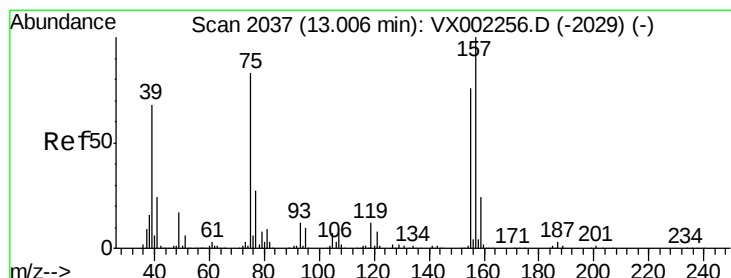
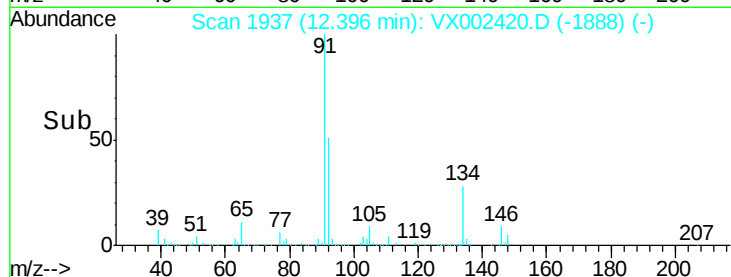
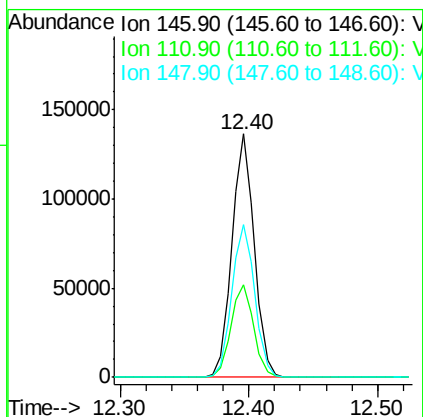
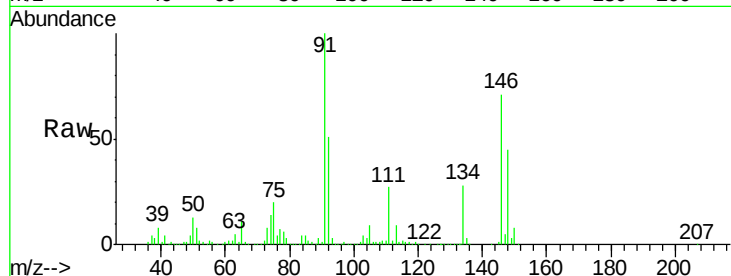
146 100

111 38.5 19.4 58.1

148 64.4 31.7 95.1

Manual Integrations
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6/11/2018 2:32:53 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.77 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

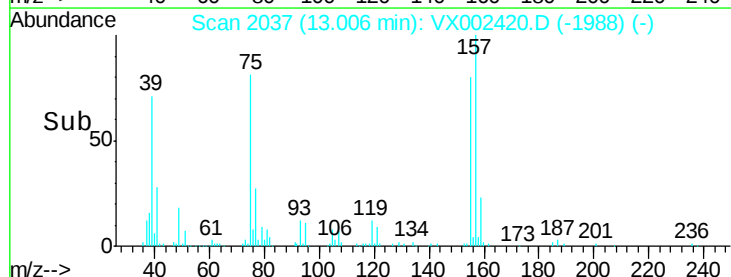
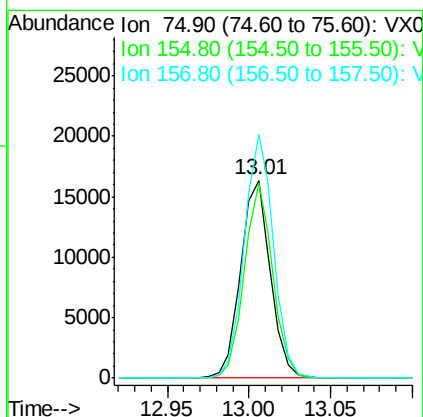
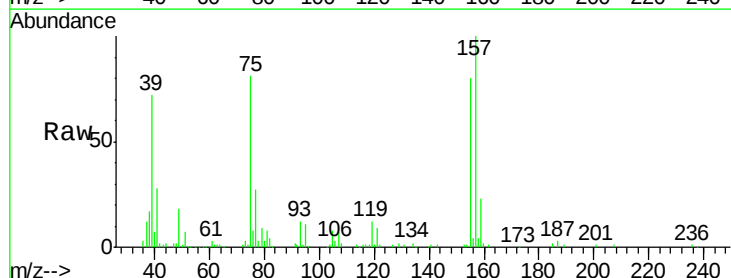
Tgt Ion: 75 Resp: 20765

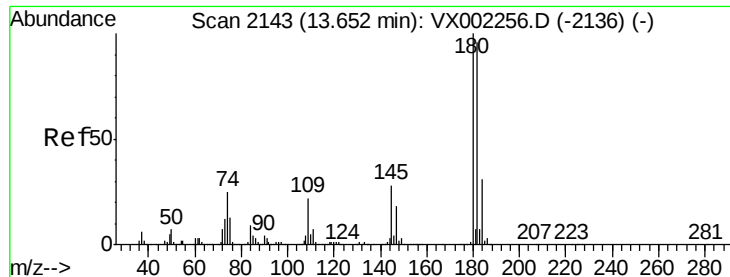
Ion Ratio Lower Upper

75 100

155 94.1 45.8 137.4

157 120.7 60.1 180.3





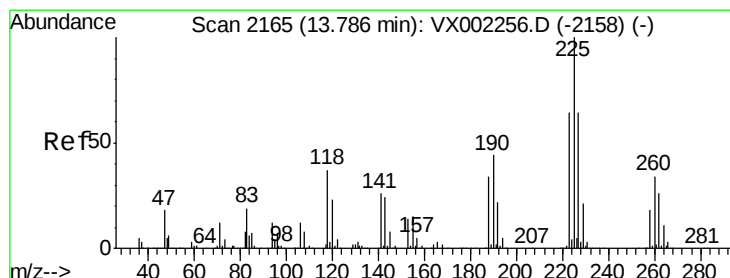
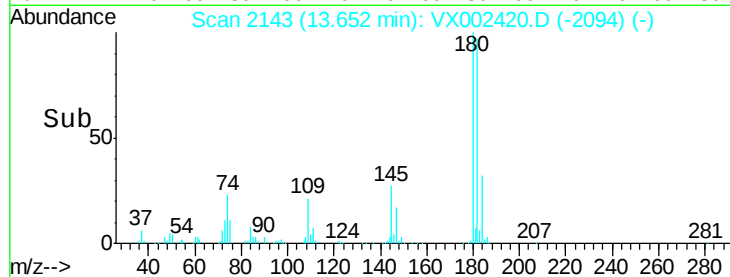
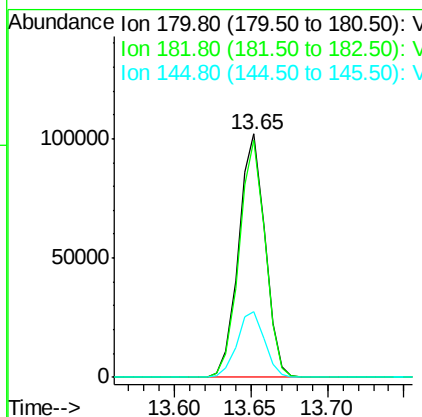
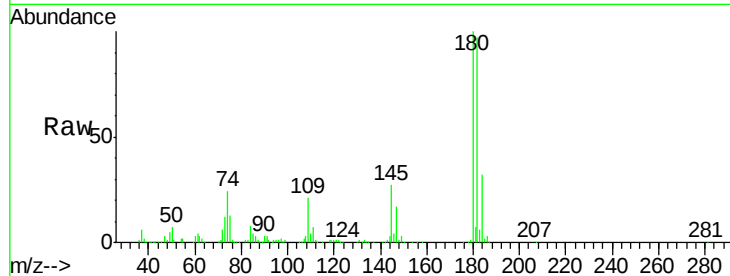
#93
 1,2,4-Trichlorobenzene
 Concen: 21.92 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Instrument :
 MSVOA_X
 ClientSampled :
 VX0609WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121917		
182	95.7	47.7	143.1	
145	28.1	14.1	42.4	

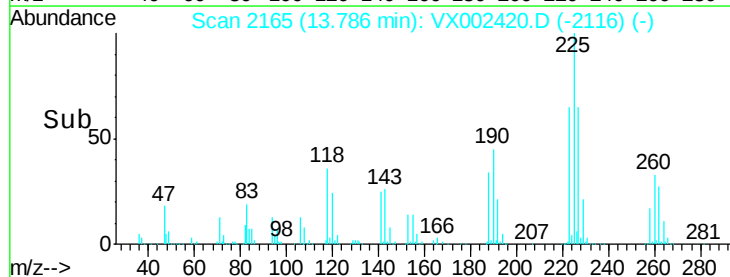
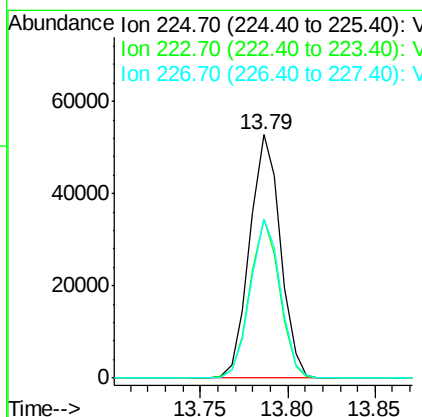
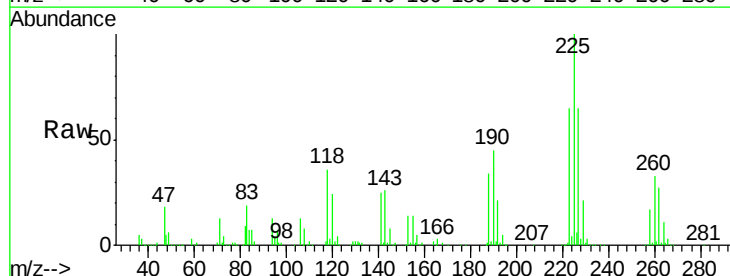
Manual Integrations
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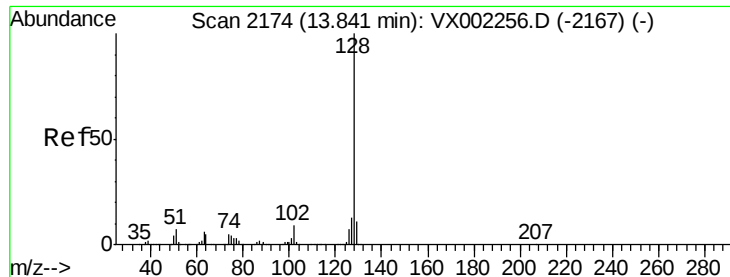
MMDadoda
 6/11/2018 2:32:53 PM



#94
 Hexachlorobutadiene
 Concen: 23.42 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002420.D
 Acq: 09 Jun 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64375		
223	63.1	31.6	95.0	
227	64.1	32.4	97.2	





#95

Naphthalene

Concen: 21.89 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Instrument :

MSVOA_X

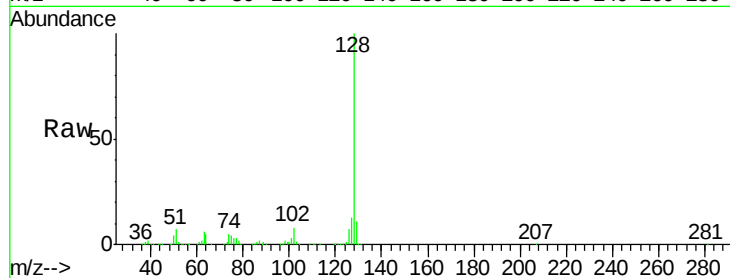
ClientSampleId :

VX0609WBSD01

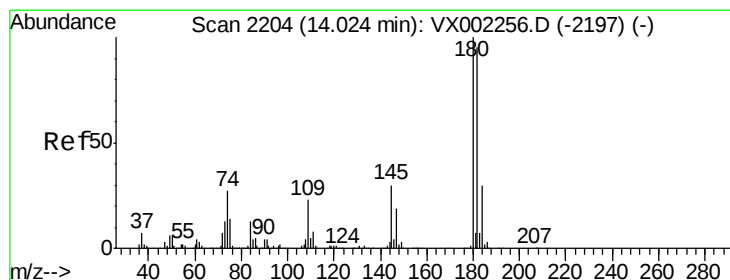
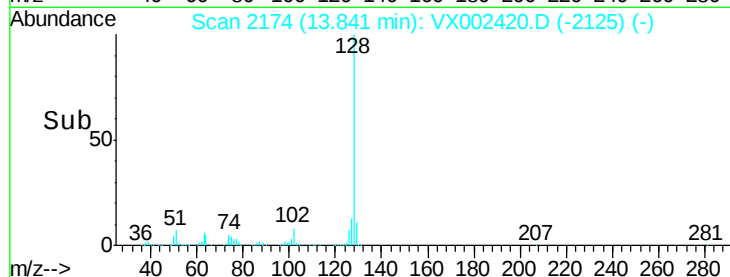
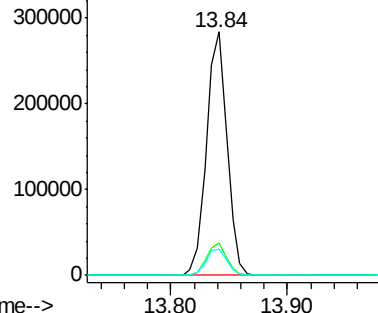
Tot Ion:	128	Resp:	349853
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/11/2018 2:32:53 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: 21.97 ug/l

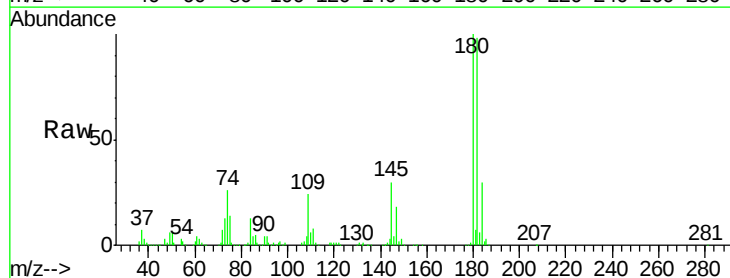
RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002420.D

Acq: 09 Jun 2018 14:49

Tgt Ion:	180	Resp:	124630
Ion Ratio	Lower	Upper	
180	100		
182	97.5	48.0	144.0
145	29.6	14.8	44.3



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

