

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072118\
 Data File : VX003587.D
 Acq On : 22 Jul 2018 06:47
 Operator : JC/SP
 Sample : J4028-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-W-180716MS

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 3:20:02 PM

Quant Time: Jul 23 06:56:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	273150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	379765	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	163529	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	5.51	113	160235	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
50) Toluene-d8	8.72	98	559654	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.14	95	202531	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	109634	50.56	ug/l	97
3) Chloromethane	1.32	50	148126	55.23	ug/l	99
4) Vinyl Chloride	1.40	62	165019	47.56	ug/l	95
5) Bromomethane	1.64	94	75811	55.18	ug/l	99
6) Chloroethane	1.73	64	108952	53.06	ug/l	95
7) Trichlorofluoromethane	1.93	101	229039	49.47	ug/l	99
8) Diethyl Ether	2.19	74	100200	50.40	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	142112	46.90	ug/l	98
10) Methyl Iodide	2.51	142	203744	55.97	ug/l	92
11) Tert butyl alcohol	3.08	59	142961	223.44	ug/l	100
12) 1,1-Dichloroethene	2.37	96	140112	50.22	ug/l	84
13) Acrolein	2.30	56	56928	196.93	ug/l	97
14) Allyl chloride	2.73	41	249021	50.42	ug/l #	85
15) Acrylonitrile	3.15	53	393368	241.49	ug/l	98
16) Acetone	2.45	43	320740	262.62	ug/l #	88
17) Carbon Disulfide	2.57	76	372199	49.33	ug/l	100
18) Methyl Acetate	2.78	43	179899	46.72	ug/l	92
19) Methyl tert-butyl Ether	3.21	73	483731	53.10	ug/l	96
20) Methylene Chloride	2.86	84	157335	52.73	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	154206	49.68	ug/l	92
22) Diisopropyl ether	3.87	45	518657	55.81	ug/l #	90
23) Vinyl Acetate	3.82	43	1867785	244.00	ug/l	95
24) 1,1-Dichloroethane	3.70	63	308839	56.64	ug/l	98
25) 2-Butanone	4.71	43	531473	259.36	ug/l	97
26) 2,2-Dichloropropane	4.59	77	127975	30.90	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	182394	52.77	ug/l	90
28) Bromochloromethane	5.02	49	130266	54.66	ug/l #	82
29) Tetrahydrofuran	5.15	42	358870	265.11	ug/l	91
30) Chloroform	5.22	83	303042	56.92	ug/l	100
31) Cyclohexane	5.57	56	245821	50.46	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	248477	54.50	ug/l	95
36) 1,1-Dichloropropene	5.79	75	199959	48.77	ug/l	98
37) Ethyl Acetate	4.86	43	201335	51.89	ug/l	95
38) Carbon Tetrachloride	5.79	117	208836	51.93	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	228802	47.11	ug/l	98
40) Benzene	6.15	78	618247	49.94	ug/l	99
41) Methacrylonitrile	5.06	41	123921	54.34	ug/l #	89
42) 1,2-Dichloroethane	6.20	62	199013	51.02	ug/l	94
43) Isopropyl Acetate	6.47	43	286637	46.44	ug/l #	93
44) Trichloroethene	7.21	130	187018	50.66	ug/l	98
45) 1,2-Dichloropropane	7.52	63	159023	50.59	ug/l	100
46) Dibromomethane	7.67	93	106237	52.50	ug/l	94
47) Bromodichloromethane	7.90	83	197908	53.42	ug/l	99
48) Methyl methacrylate	7.78	41	154899	49.77	ug/l #	82
49) 1,4-Dioxane	7.76	88	59184	839.23	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	978997	251.08	ug/l	91
52) Toluene	8.79	92	395584	50.77	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	217559	47.71	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	198776	48.47	ug/l #	87
55) 1,1,2-Trichloroethane	9.22	97	159898	51.57	ug/l	99
56) Ethyl methacrylate	9.18	69	228377	52.29	ug/l #	80
57) 1,3-Dichloropropane	9.37	76	256850	51.24	ug/l	100
59) 2-Hexanone	9.50	43	721135	249.62	ug/l	87
60) Dibromochloromethane	9.59	129	168154	54.79	ug/l	99
61) 1,2-Dibromoethane	9.68	107	165857	51.60	ug/l	100
64) Tetrachloroethene	9.34	164	213888	49.09	ug/l	98
65) Chlorobenzene	10.14	112	451414	49.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	165975	52.36	ug/l	99
67) Ethyl Benzene	10.26	91	744929	50.29	ug/l	99
68) m/p-Xylenes	10.36	106	588794	101.39	ug/l	95
69) o-Xylene	10.70	106	286226	50.97	ug/l	95
70) Styrene	10.71	104	483776	52.37	ug/l	96
71) Bromoform	10.86	173	132457	53.78	ug/l	100
73) Isopropylbenzene	11.02	105	761259	50.77	ug/l	99
74) N-amyl acetate	6.47	43	286637	45.02	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	219490	49.95	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	218565m	56.12	ug/l	
77) Bromobenzene	11.26	156	214812	49.81	ug/l	95
78) n-propylbenzene	11.36	91	842075	50.52	ug/l	98
79) 2-Chlorotoluene	11.42	91	507135	50.12	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	631635	51.26	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	53566	39.58	ug/l	87
82) 4-Chlorotoluene	11.51	91	587200	49.53	ug/l	97
83) tert-Butylbenzene	11.77	119	618459	51.25	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	647329	51.63	ug/l	97
85) sec-Butylbenzene	11.95	105	736639	50.26	ug/l	99
86) p-Isopropyltoluene	12.07	119	662914	50.39	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	383733	48.41	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	386615	47.34	ug/l	99
89) n-Butylbenzene	12.39	91	530572	47.50	ug/l	98
90) Hexachloroethane	12.60	117	96779	51.75	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	389885	49.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	42882	50.15	ug/l	84
93) 1,2,4-Trichlorobenzene	13.65	180	272398	47.57	ug/l	99

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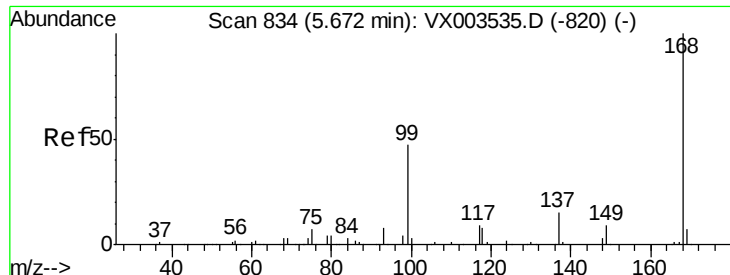
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	126538	45.95	ug/l	100
95) Naphthalene	13.83	128	779274	51.79	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	281283	49.62	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

Tot Ion:168 Resp: 273150

Ion Ratio Lower Upper

168 100

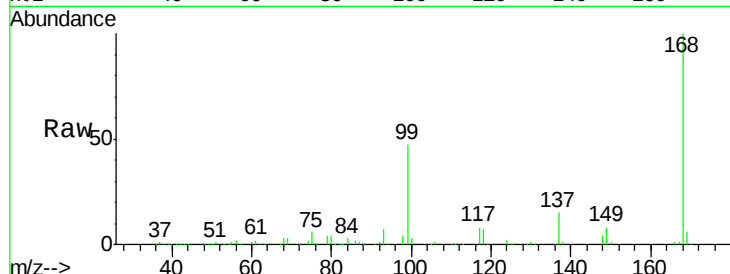
99 46.9 39.3 58.9

Manual Integrations

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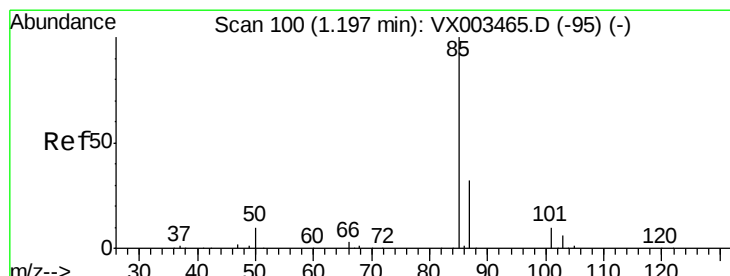
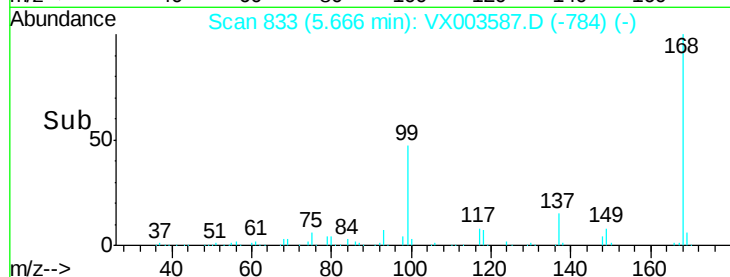
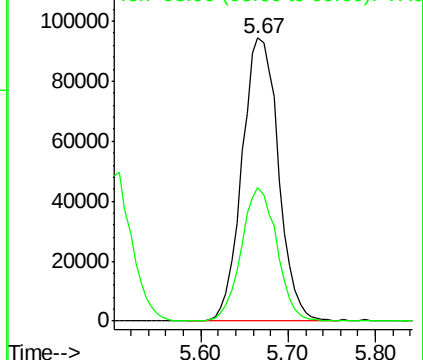
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 50.56 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003587.D

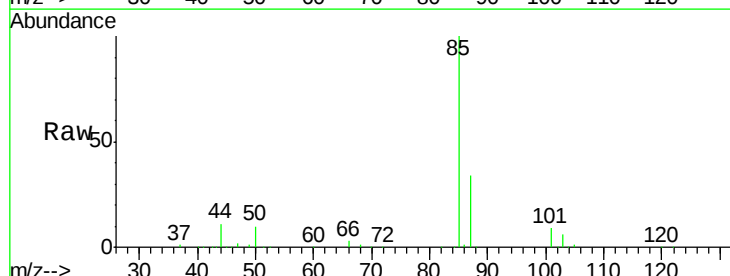
Acq: 22 Jul 2018 06:47

Tgt Ion: 85 Resp: 109634

Ion Ratio Lower Upper

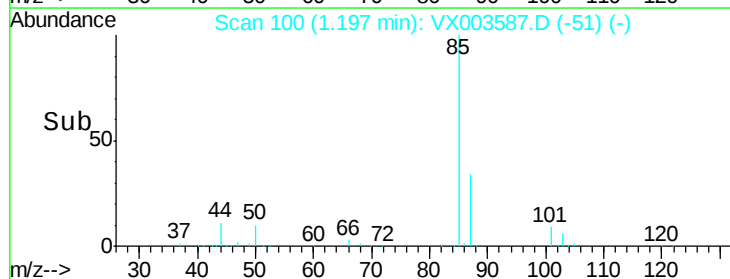
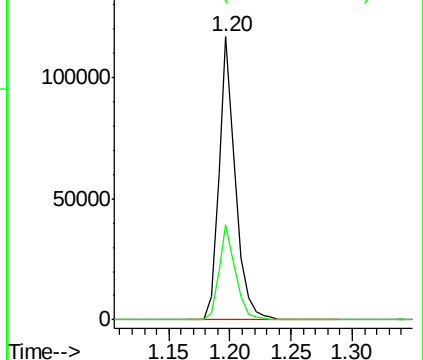
85 100

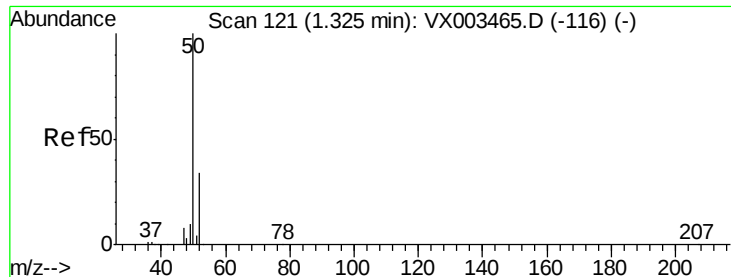
87 33.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 55.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

Tot Ion: 50 Resp: 148126

Ion Ratio Lower Upper

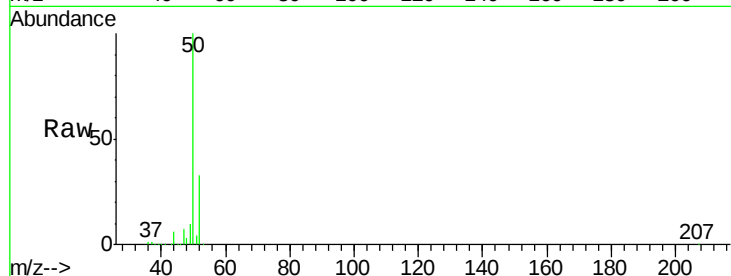
50 100

52 32.7 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

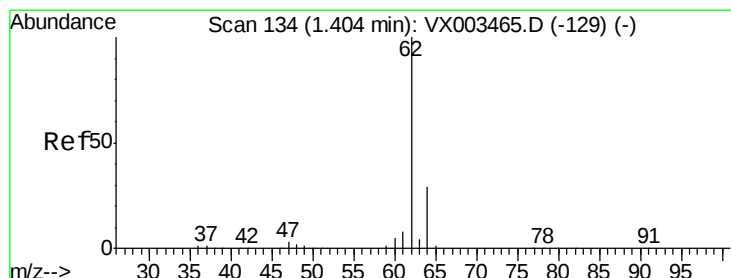
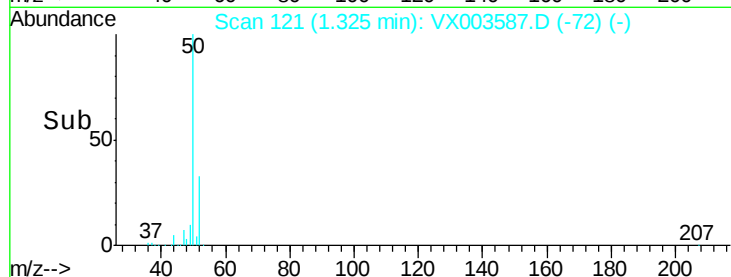
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.56 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003587.D

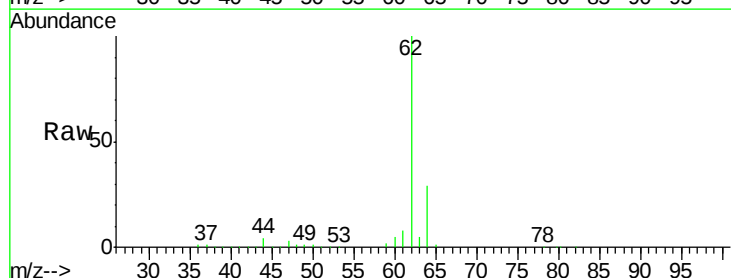
Acq: 22 Jul 2018 06:47

Tgt Ion: 62 Resp: 165019

Ion Ratio Lower Upper

62 100

64 28.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

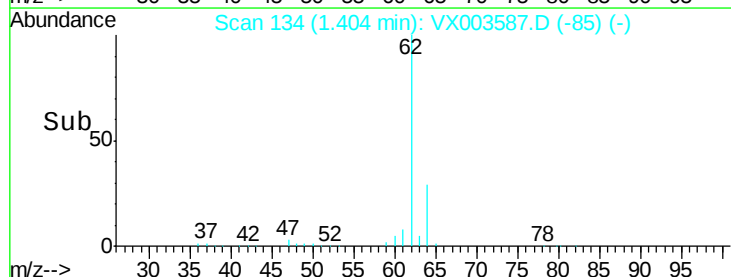
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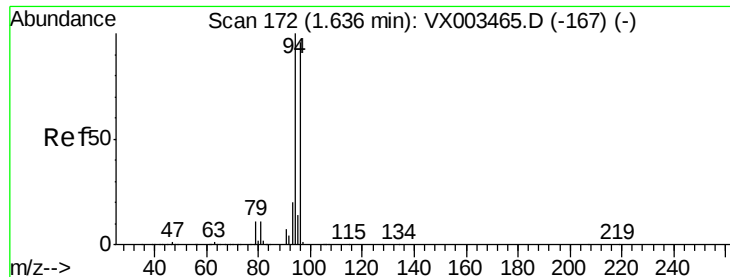
100000

50000

0

Time-->





#5

Bromomethane

Concen: 55.18 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

Tot Ion: 94 Resp: 75811

Ion Ratio Lower Upper

94 100

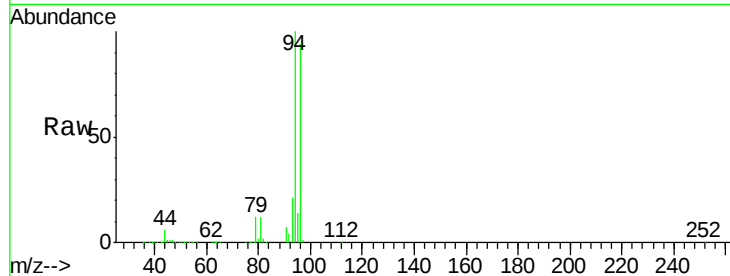
96 94.5 74.9 112.3

Manual Integrations

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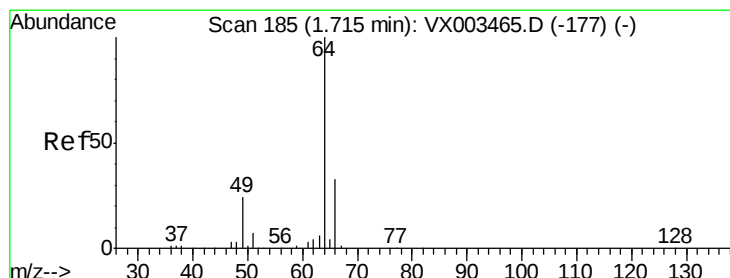
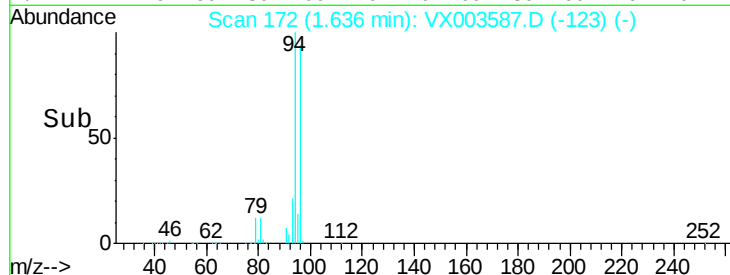
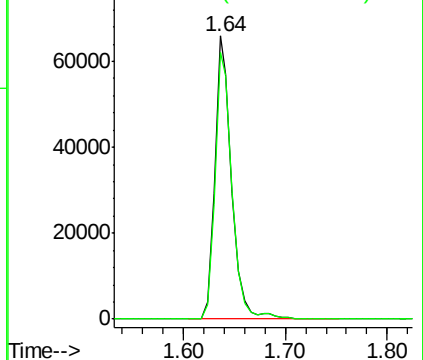
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 53.06 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003587.D

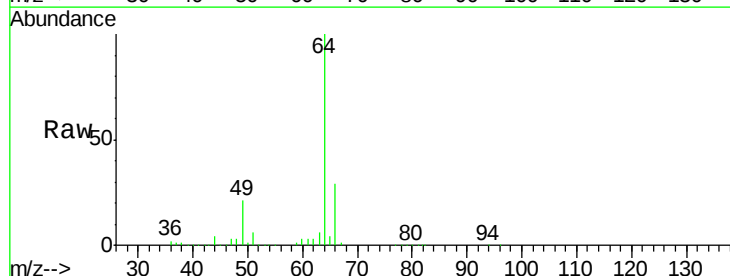
Acq: 22 Jul 2018 06:47

Tgt Ion: 64 Resp: 108952

Ion Ratio Lower Upper

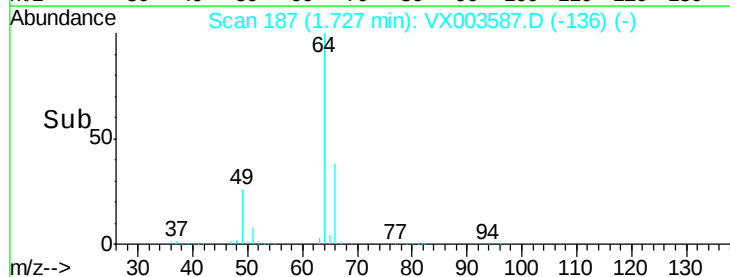
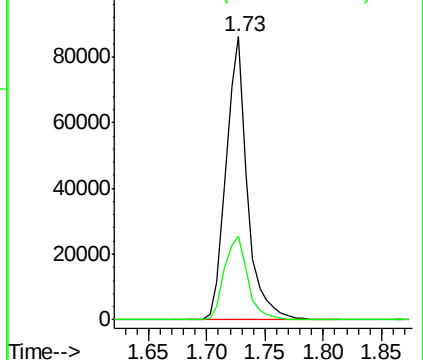
64 100

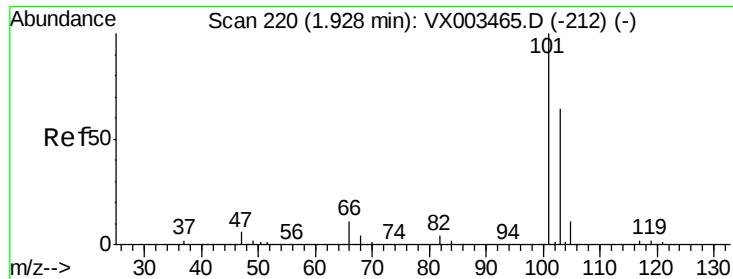
66 29.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 49.47 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

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Tot Ion:101 Resp: 229039

Ion Ratio Lower Upper

101 100

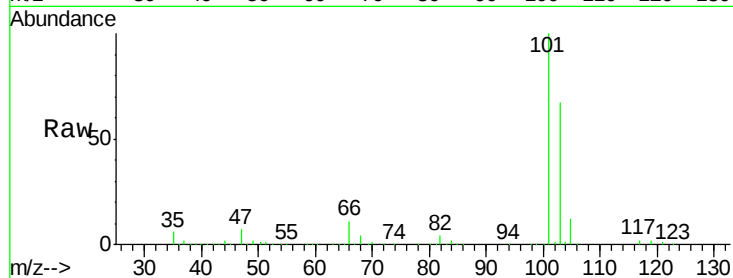
103 66.9 52.8 79.2

Manual Integrations

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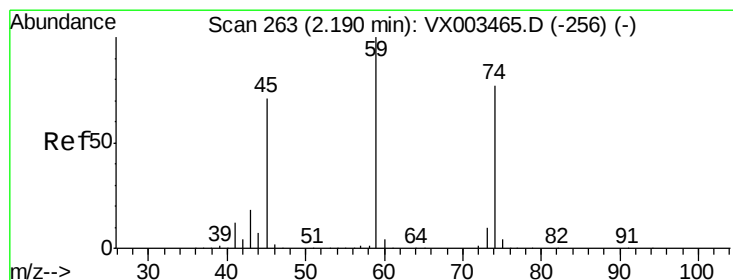
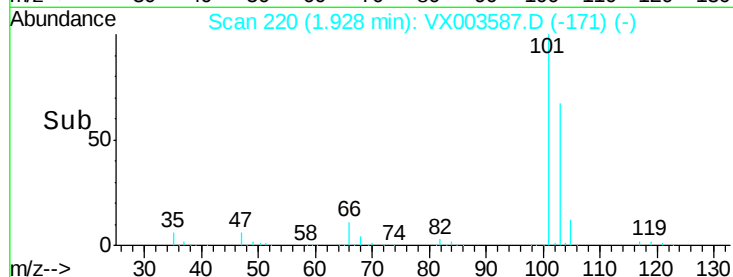
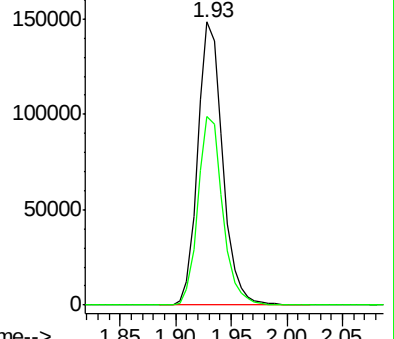
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 50.40 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003587.D

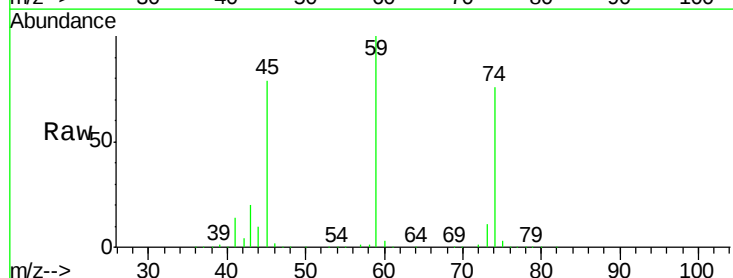
Acq: 22 Jul 2018 06:47

Tgt Ion: 74 Resp: 100200

Ion Ratio Lower Upper

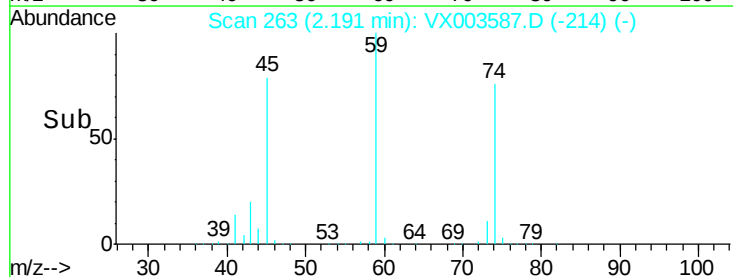
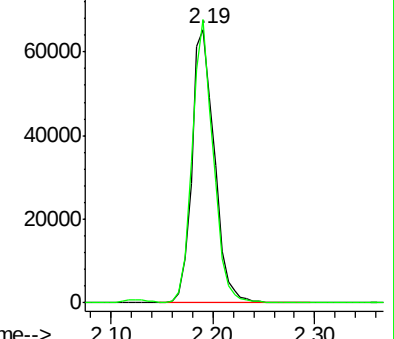
74 100

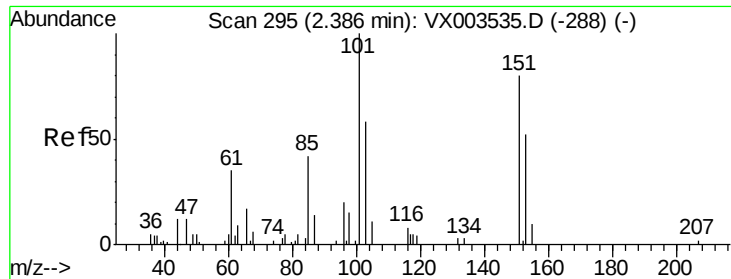
45 96.4 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.90 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003587.D

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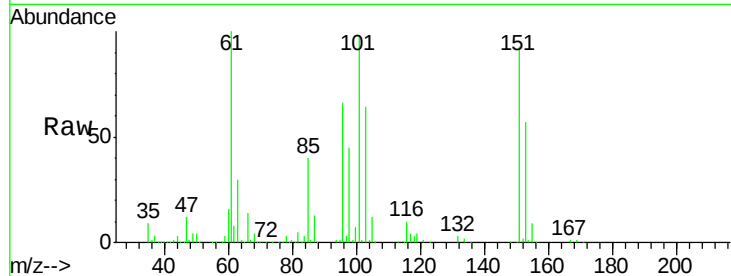
ClientSampleId :

KY030LC068-W-180716MS

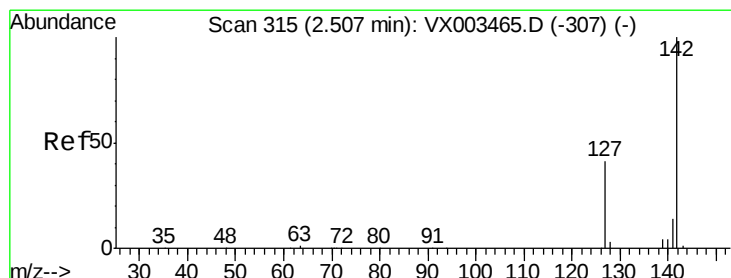
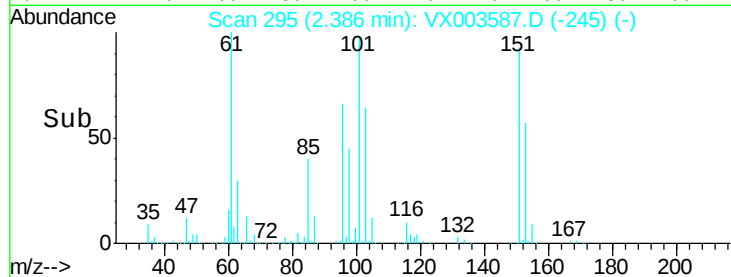
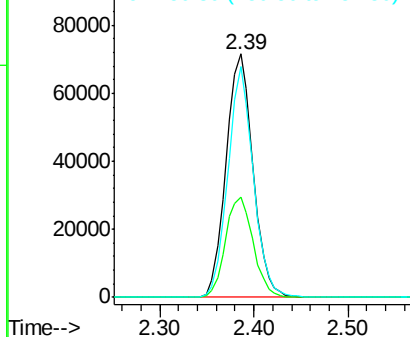
Tot Ion:	101	Resp:	142112
Ion Ratio	Lower	Upper	
101	100		
85	42.2	36.0	54.0
151	89.5	70.9	106.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.97 ug/l

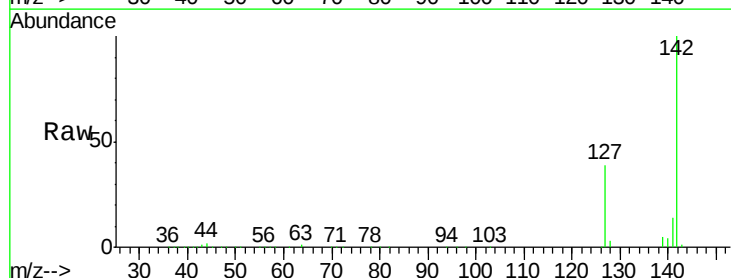
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

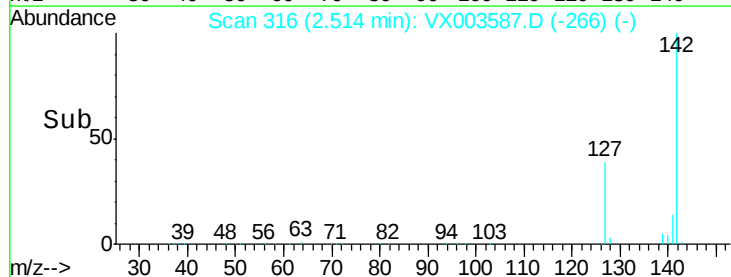
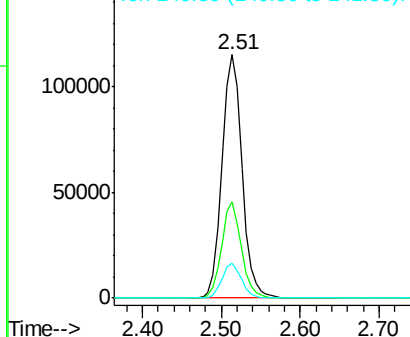
Lab File: VX003587.D

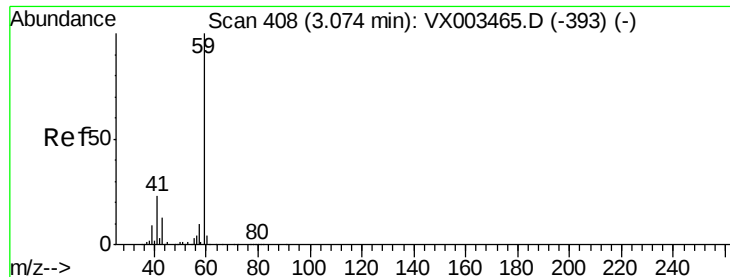
Acq: 22 Jul 2018 06:47

Tgt Ion:	142	Resp:	203744
Ion Ratio	Lower	Upper	
142	100		
127	38.7	36.6	55.0
141	14.0	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

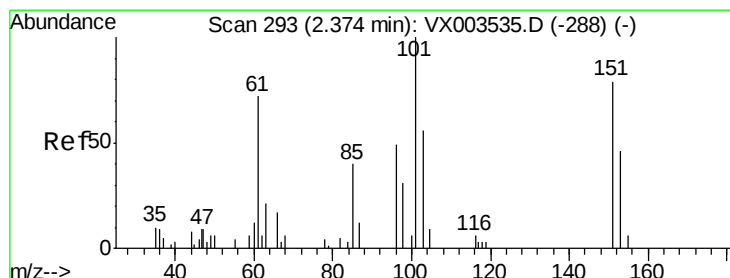
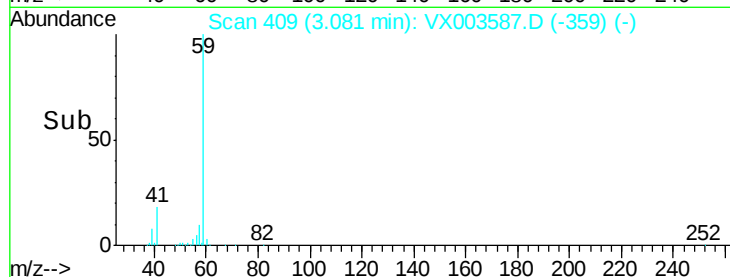
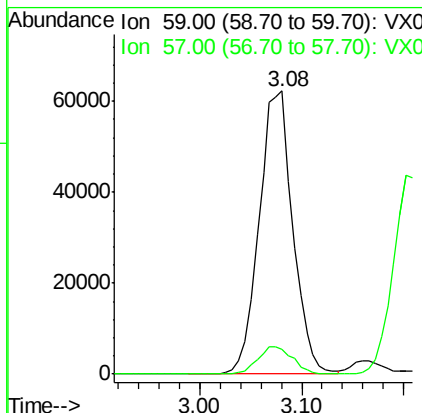
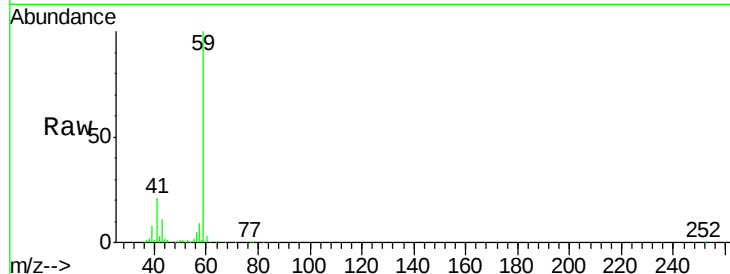
Tert butyl alcohol
Concen: 223.44 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

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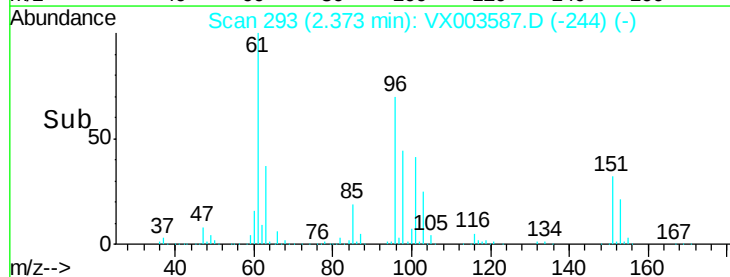
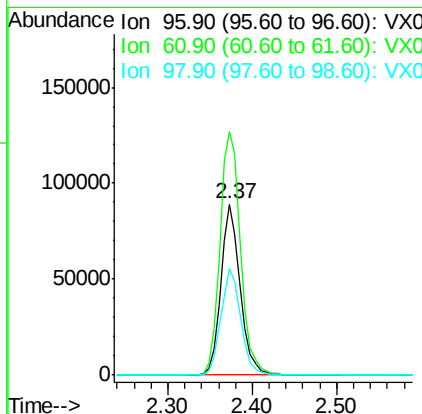
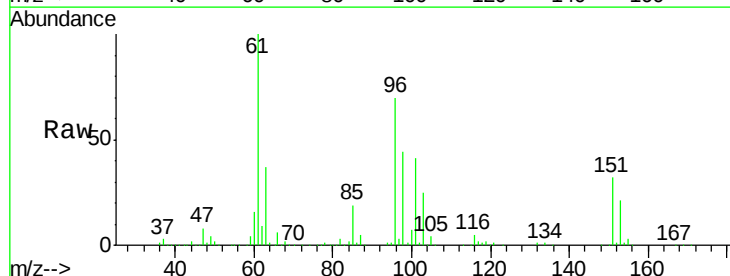
MMDadoda
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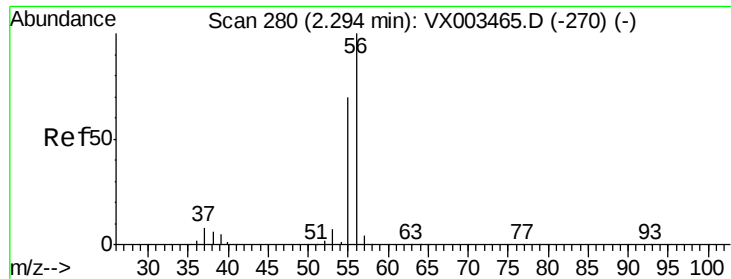


#12

1,1-Dichloroethene
Concen: 50.22 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.6	137.9	206.9
98	62.5	51.6	77.4





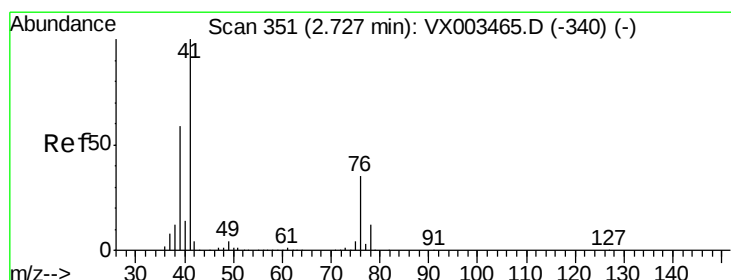
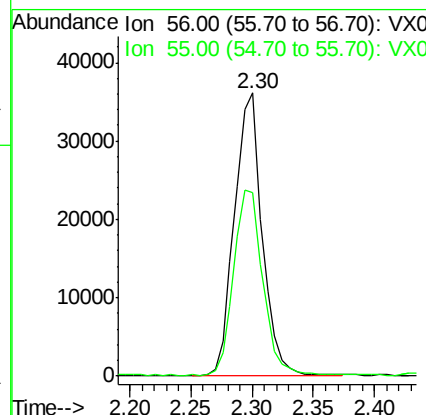
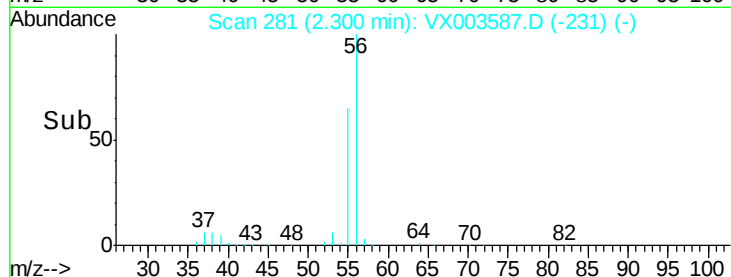
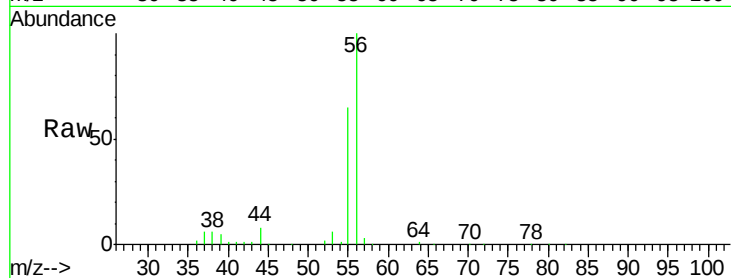
#13
Acrolein
Concen: 196.93 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.0	85.4

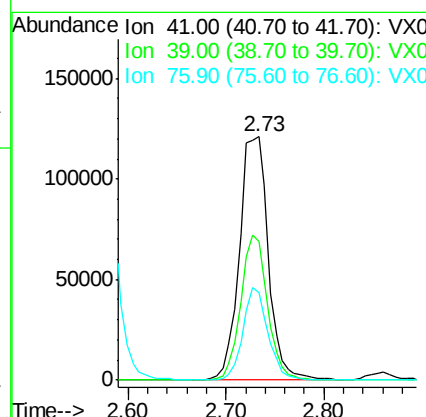
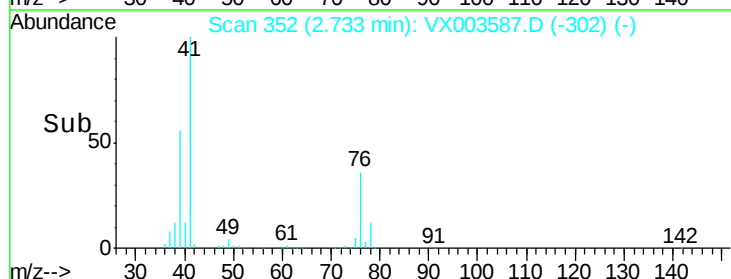
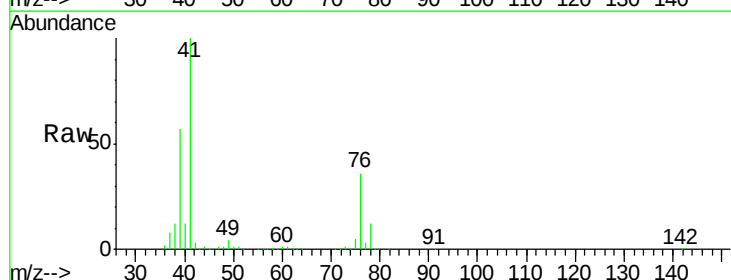
Manual Integrations
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#14
Allyl chloride
Concen: 50.42 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.2	56.8	85.2#
76	32.6	23.8	35.8





#15

Acrylonitrile

Concen: 241.49 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

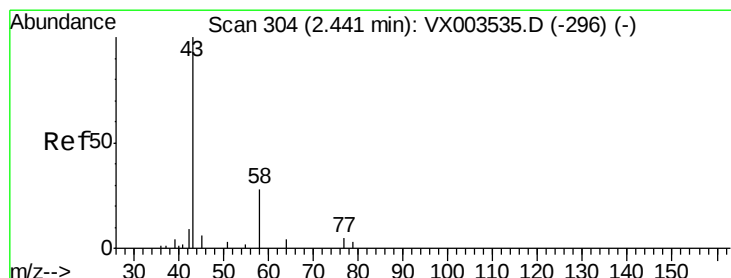
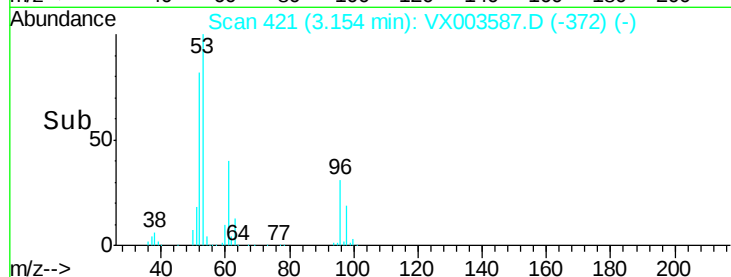
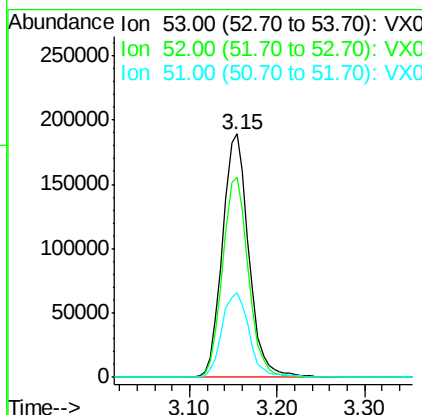
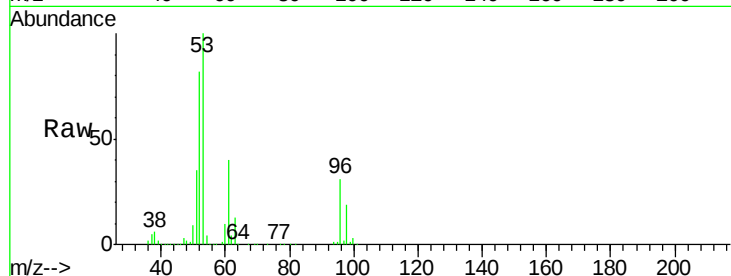
ClientSampleId :

KY030LC068-W-180716MS

Tot Ion:	53	Resp:	393368
Ion Ratio	Lower	Upper	
53	100		
52	81.0	66.7	100.1
51	36.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 262.62 ug/l

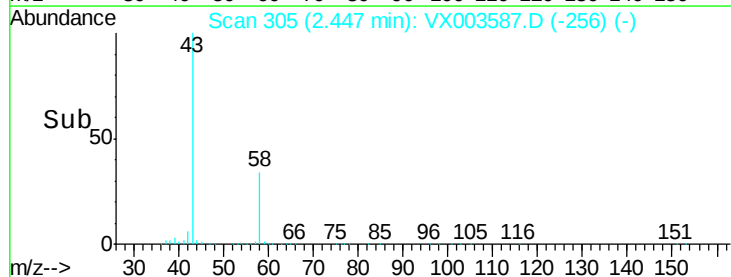
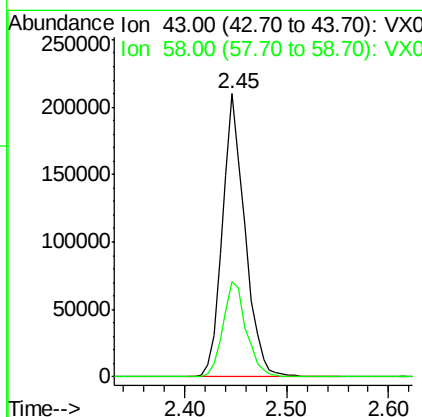
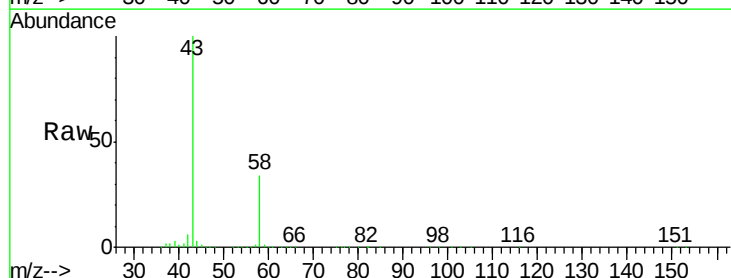
RT: 2.45 min Scan# 305

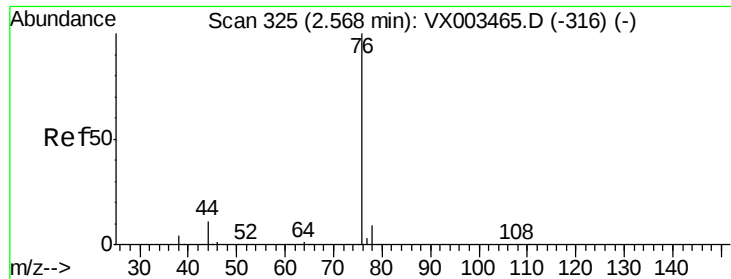
Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tgt Ion:	43	Resp:	320740
Ion Ratio	Lower	Upper	
43	100		
58	33.8	22.1	33.1#





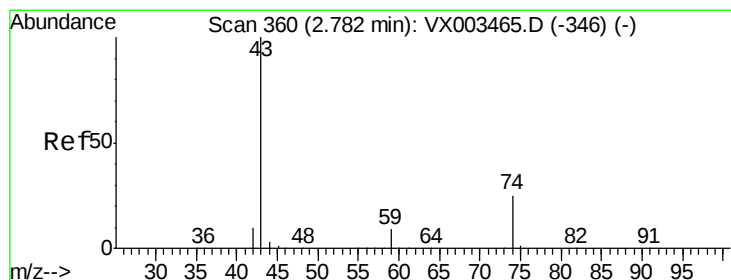
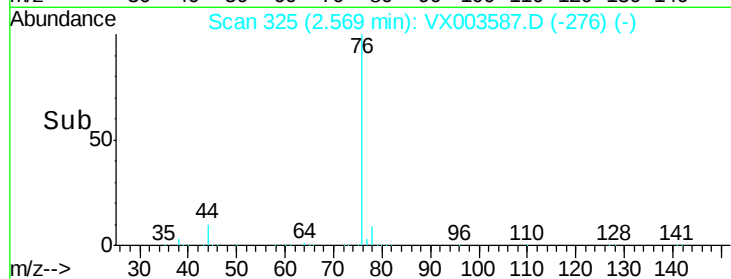
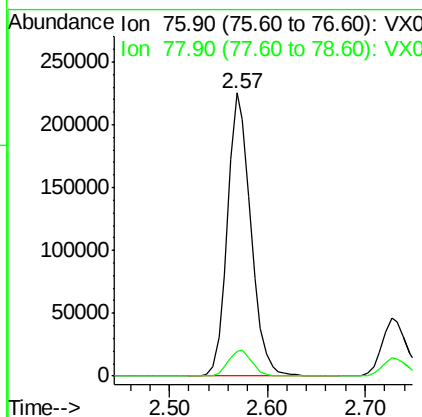
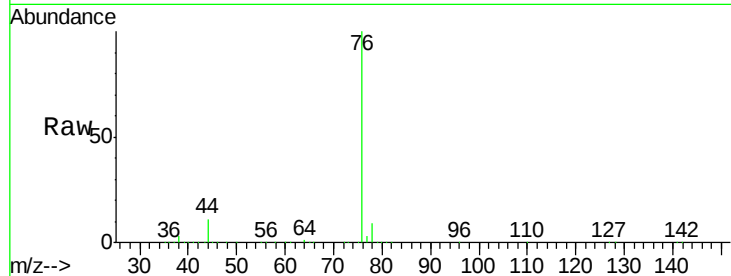
#17
Carbon Disulfide
Concen: 49.33 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.9	10.3

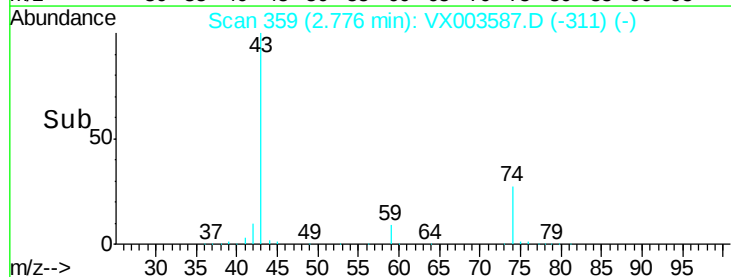
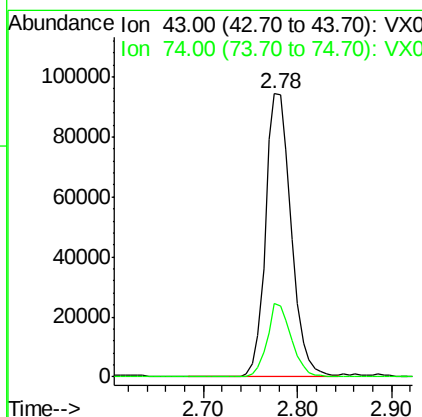
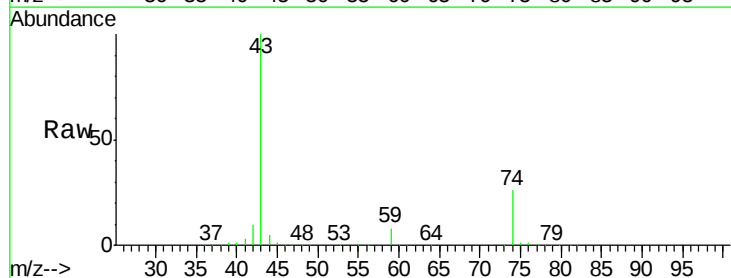
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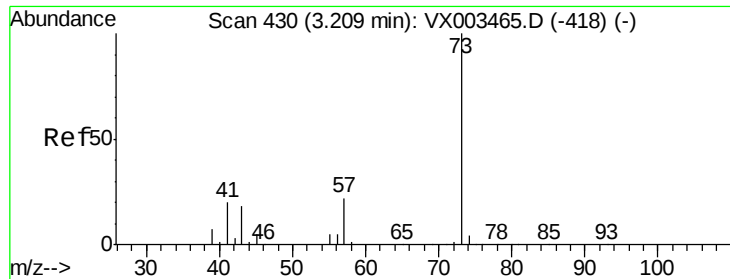
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#18
Methyl Acetate
Concen: 46.72 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	16.7	25.1





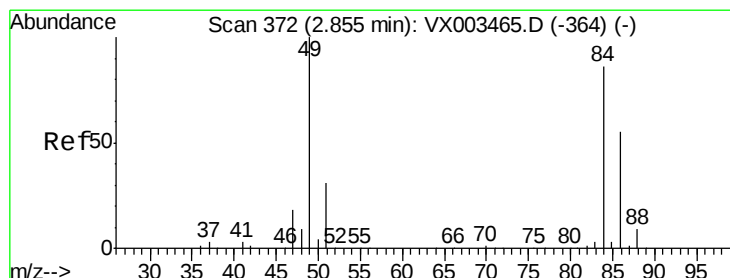
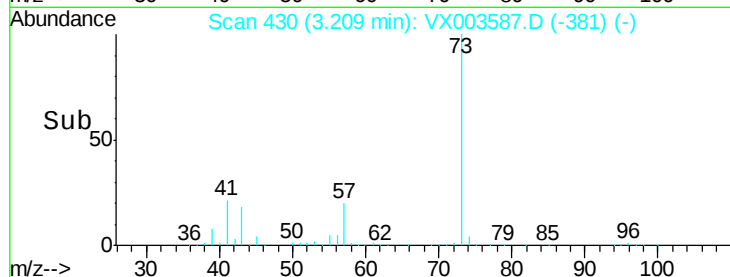
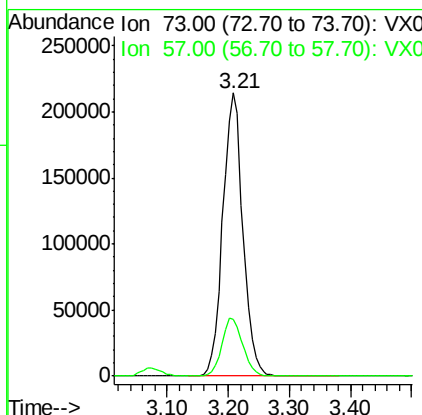
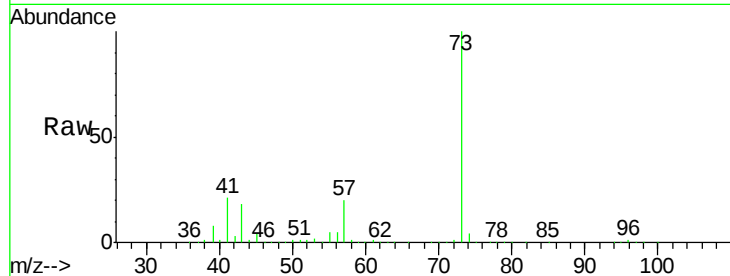
#19
Methvl tert-butvl Ether
Concen: 53.10 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion: 73 Resp: 483731
Ion Ratio Lower Upper
73 100
57 20.2 17.7 26.5

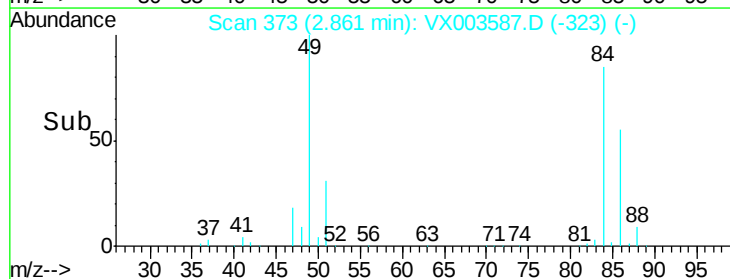
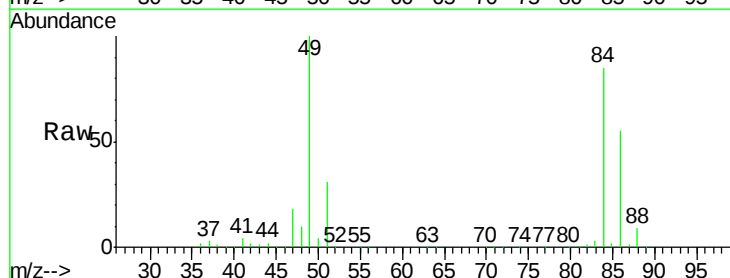
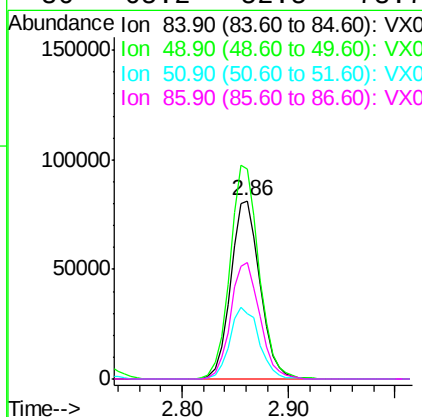
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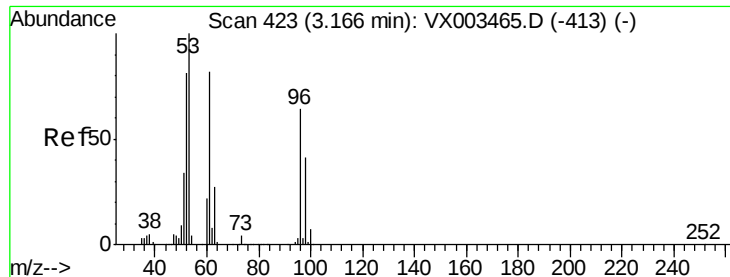
MMDadoda
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#20
Methylene Chloride
Concen: 52.73 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion: 84 Resp: 157335
Ion Ratio Lower Upper
84 100
49 117.5 107.8 161.6
51 36.6 32.8 49.2
86 65.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.68 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

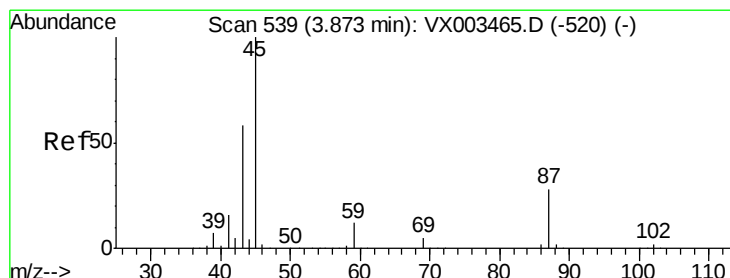
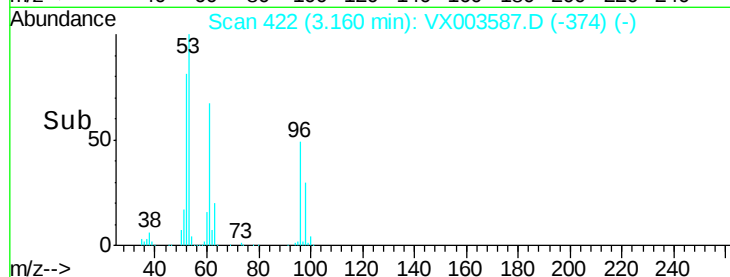
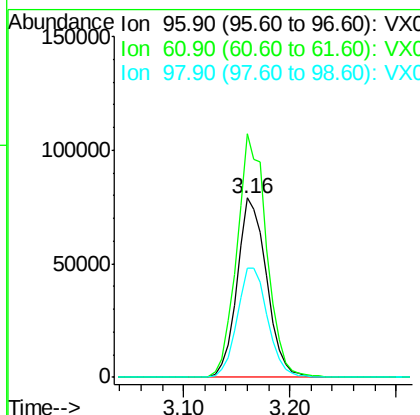
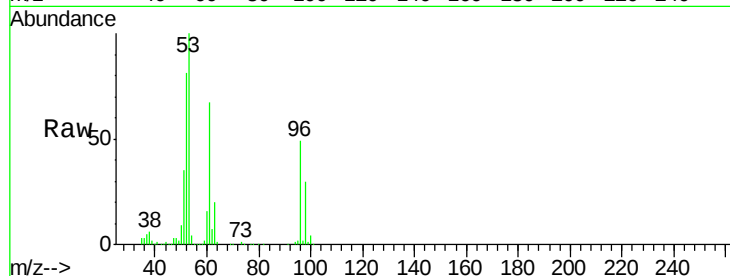
ClientSampleId :

KY030LC068-W-180716MS

Tot Ion:	96	Resp:	154206
Ion Ratio	Lower	Upper	
96	100		
61	135.6	117.0	175.4
98	61.1	52.4	78.6

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#22

Diisopropyl ether

Concen: 55.81 ug/l

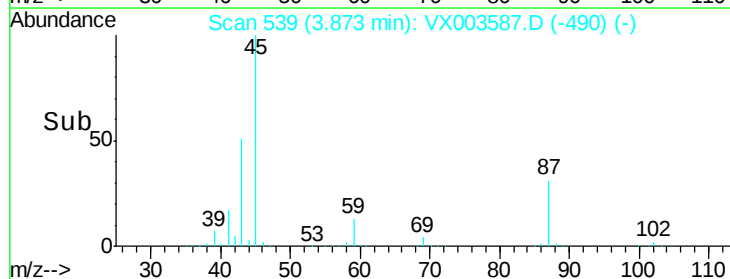
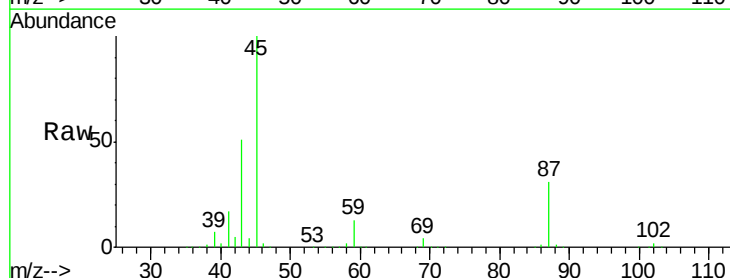
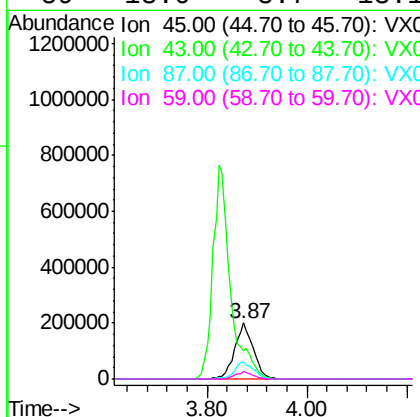
RT: 3.87 min Scan# 539

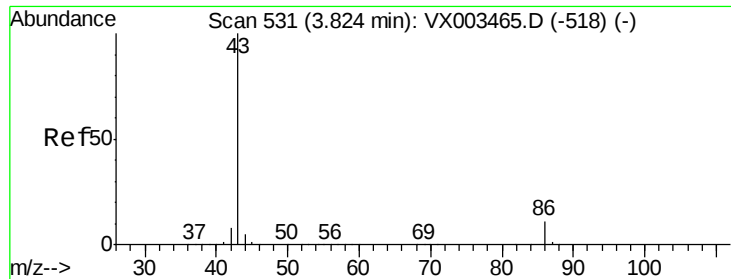
Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tgt Ion:	45	Resp:	518657
Ion Ratio	Lower	Upper	
45	100		
43	50.8	46.8	70.2
87	30.8	20.2	30.4
59	13.0	8.7	13.1





#23

Vinyl Acetate

Concen: 244.00 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

Tot Ion: 43 Resp: 1867785

Ion Ratio Lower Upper

43 100

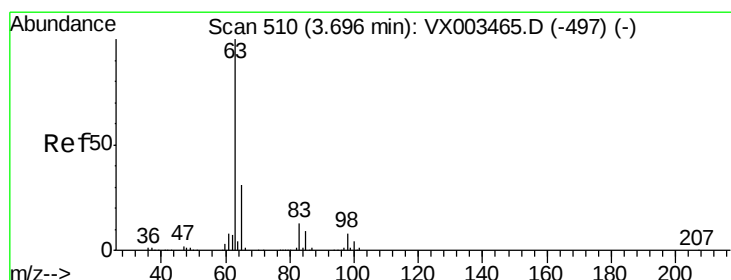
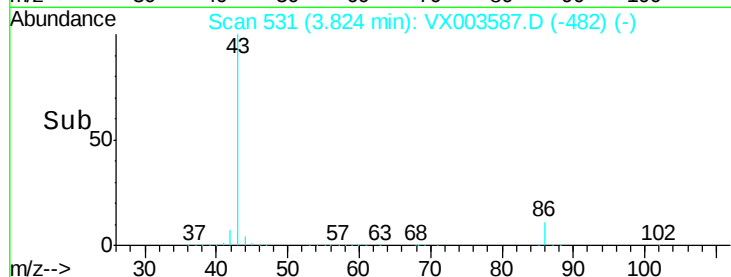
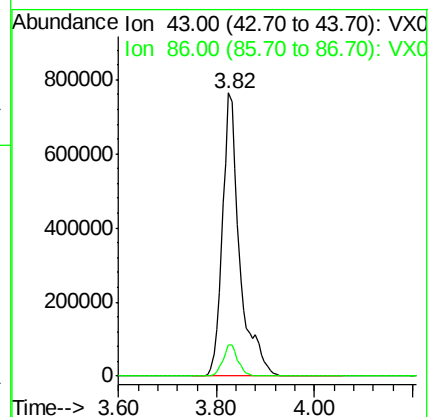
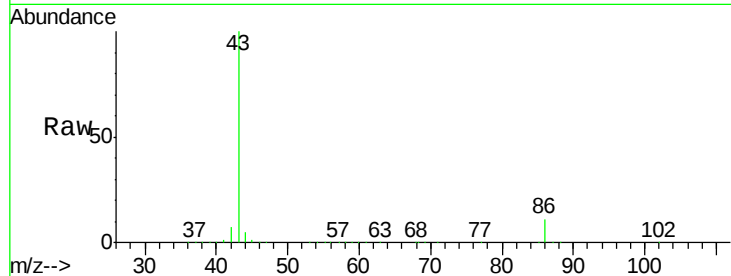
86 10.9 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 56.64 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

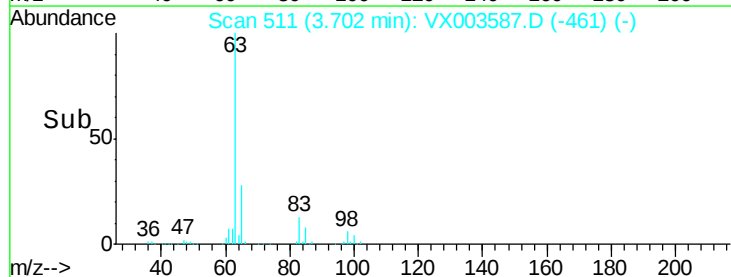
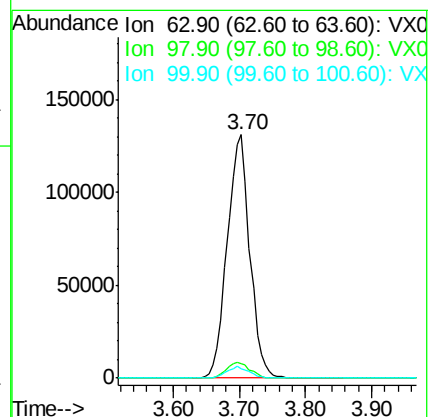
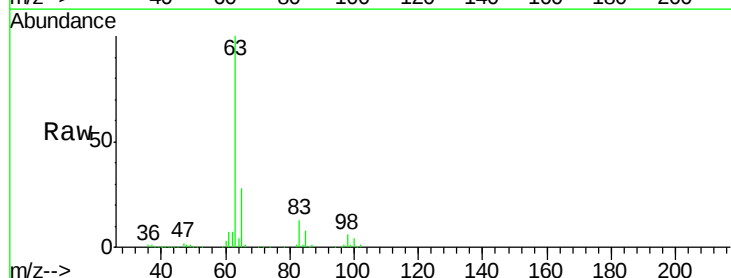
Tgt Ion: 63 Resp: 308839

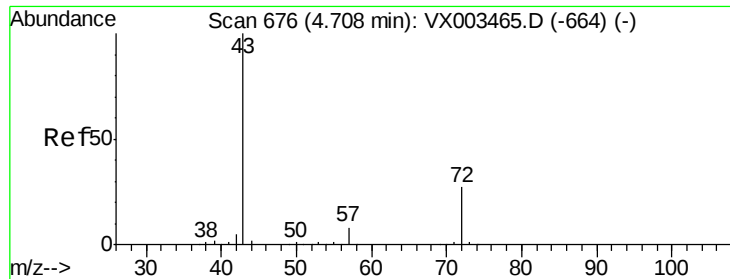
Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 259.36 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

Tot Ion: 43 Resp: 531473

Ion Ratio Lower Upper

43 100

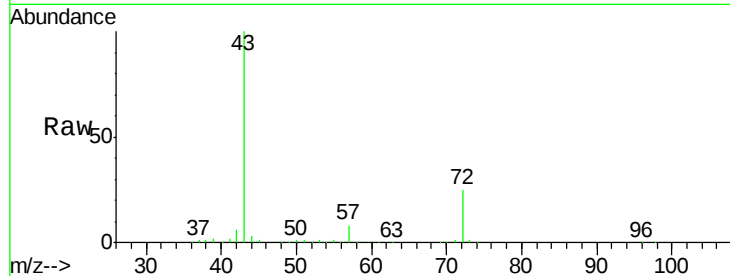
72 24.4 18.5 27.7

Manual Integrations

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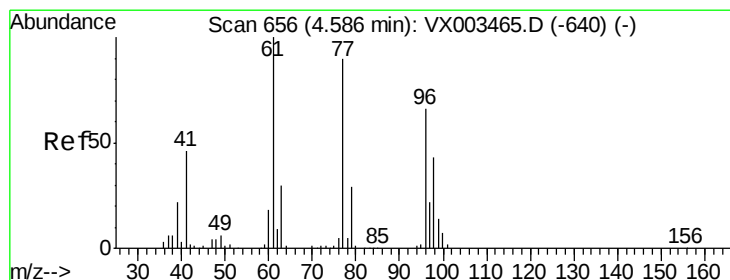
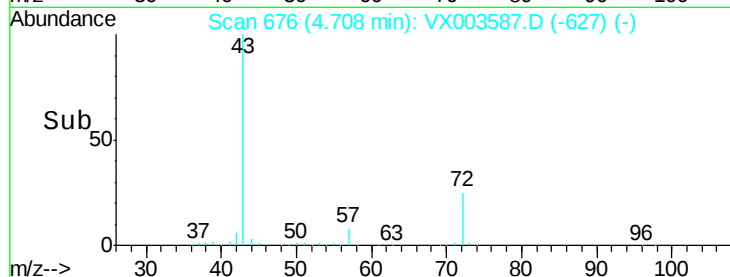
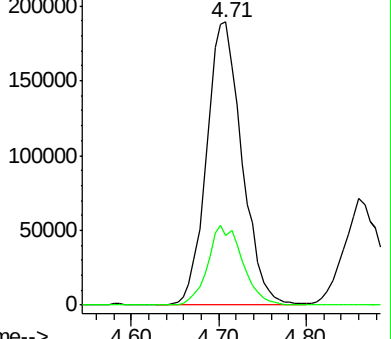
MMDadoda

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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: 30.90 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003587.D

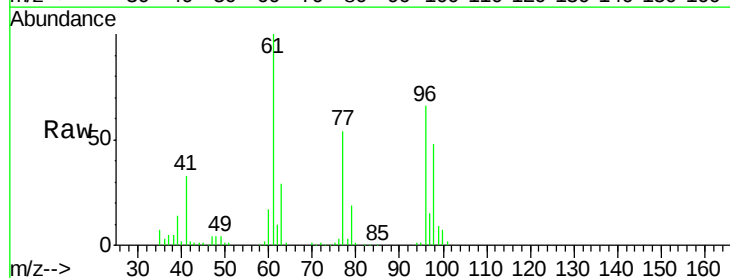
Acq: 22 Jul 2018 06:47

Tgt Ion: 77 Resp: 127975

Ion Ratio Lower Upper

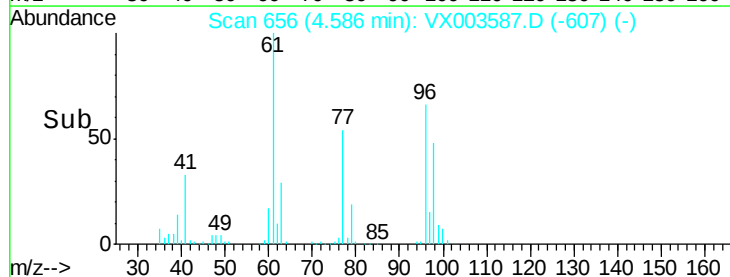
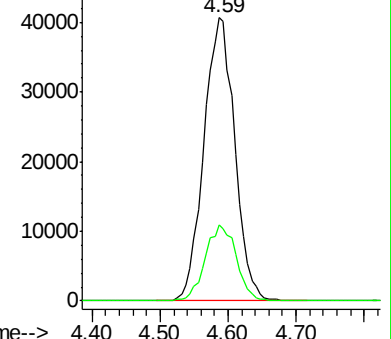
77 100

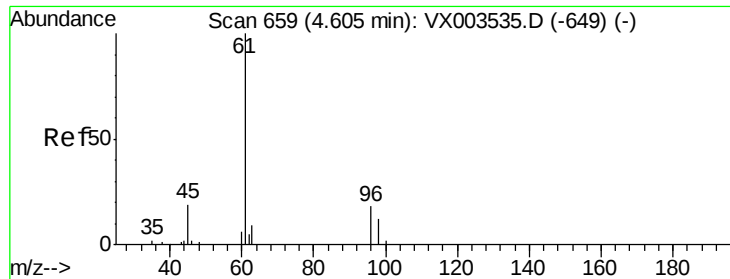
97 26.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

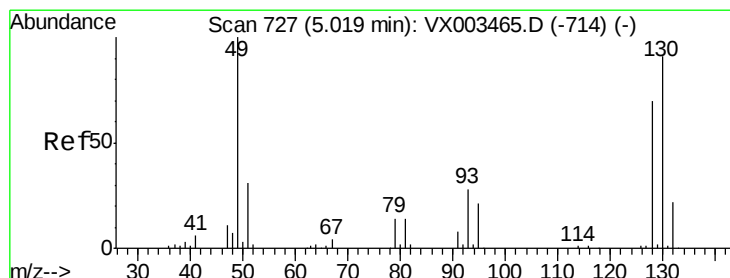
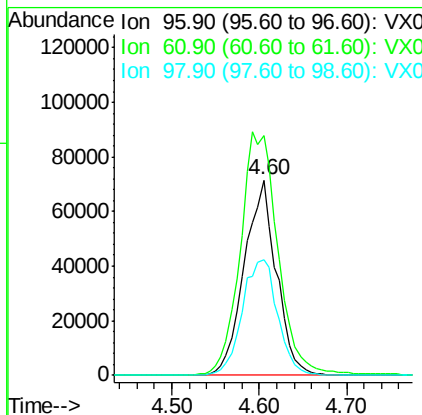
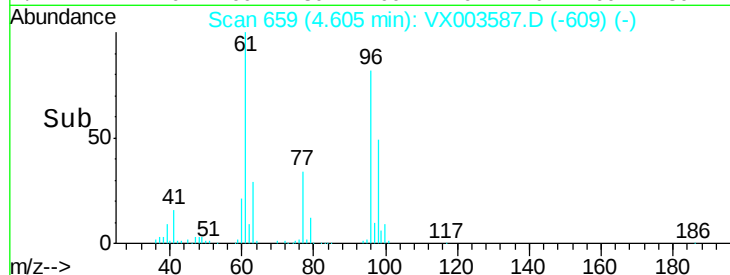
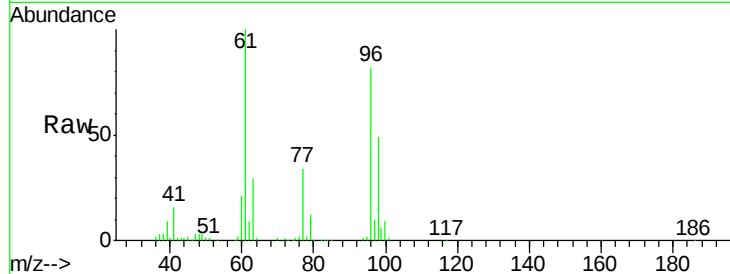
cis-1,2-Dichloroethene
Concen: 52.77 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	182394		
61	147.1	0.0	330.2	
98	65.6	0.0	130.2	

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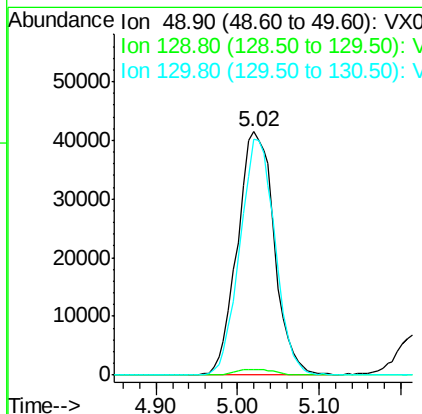
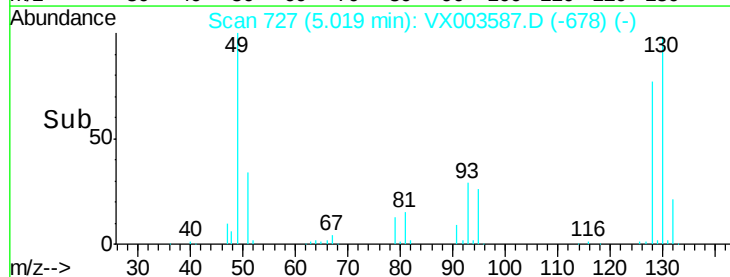
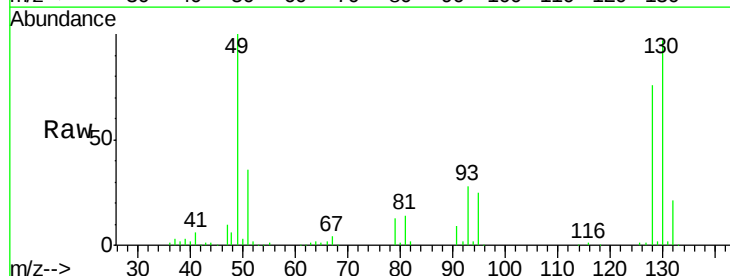
MMDadoda
7/23/2018 3:20:02 PM



#28

Bromochloromethane
Concen: 54.66 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130266		
129	2.4	0.0	4.2	
130	92.6	61.2	91.8#	





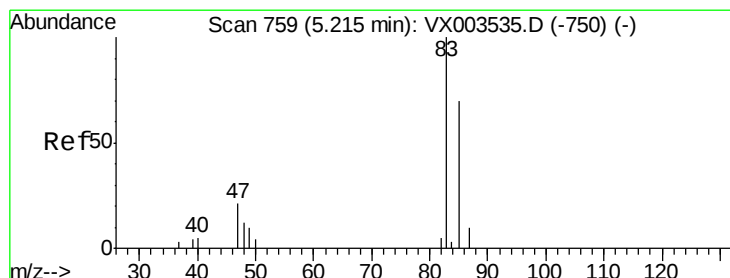
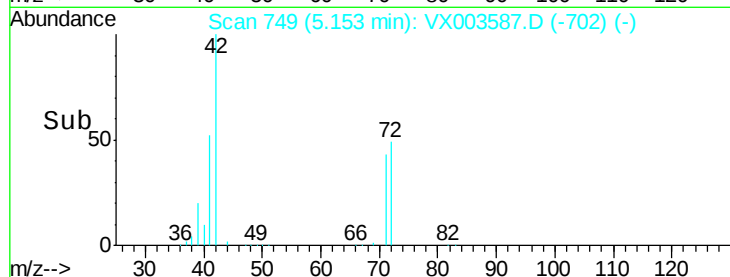
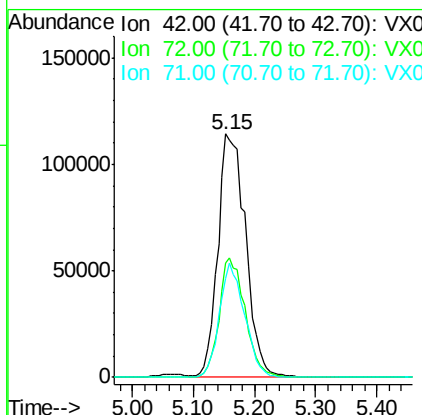
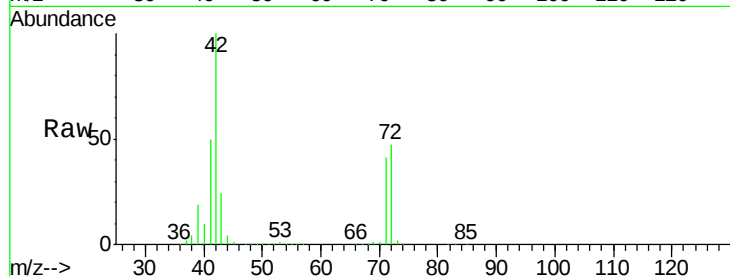
#29
Tetrahydrofuran
Concen: 265.11 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	32.0	48.0
71	42.9	30.1	45.1

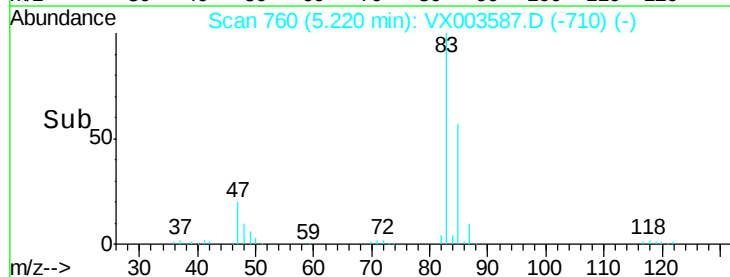
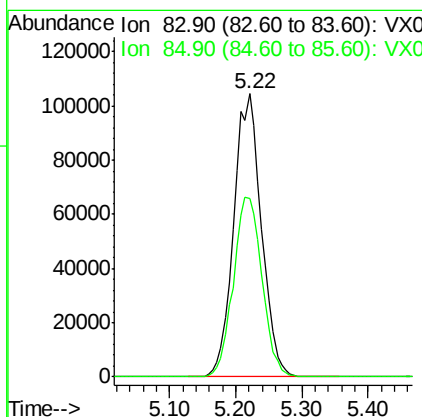
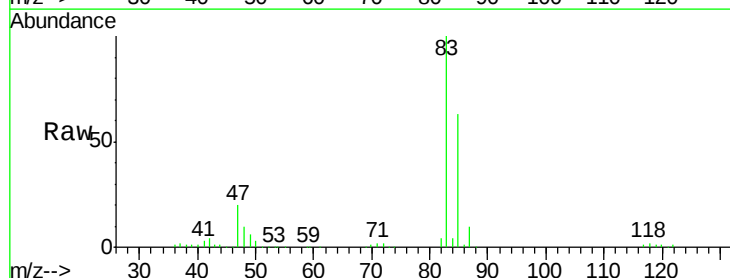
Manual Integrations
APPROVED

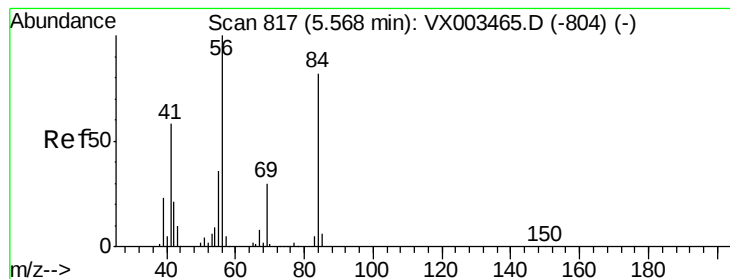
MMDadoda
7/23/2018 3:20:02 PM



#30
Chloroform
Concen: 56.92 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.4	75.6





#31

Cyclohexane

Concen: 50.46 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

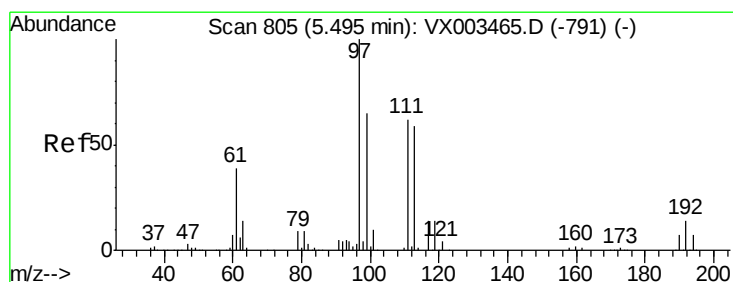
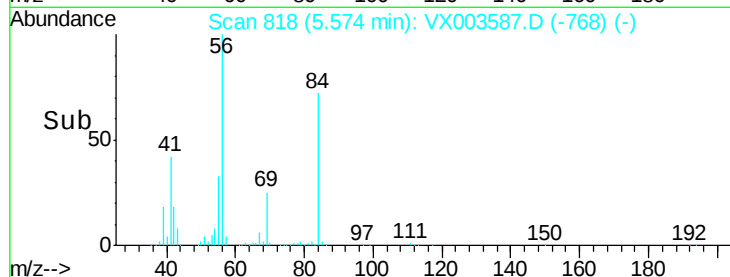
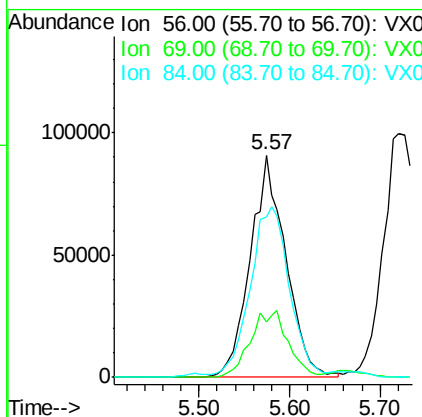
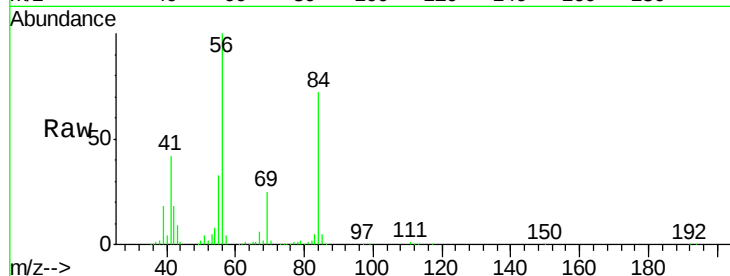
ClientSampleId :

KY030LC068-W-180716MS

Tot Ion:	56	Resp:	245821
Ion	Ratio	Lower	Upper
56	100		
69	24.8	23.7	35.5
84	71.1	64.1	96.1

Manual Integrations
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7/23/2018 3:20:02 PM



#32

1,1,1-Trichloroethane

Concen: 54.50 ug/l

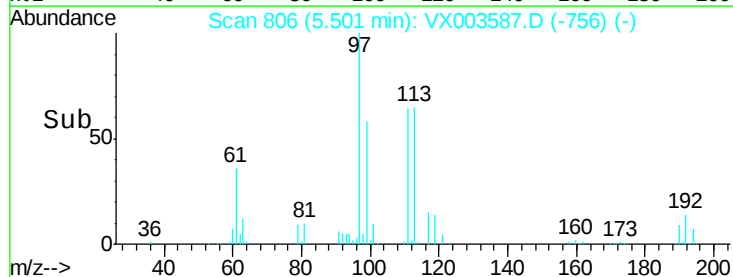
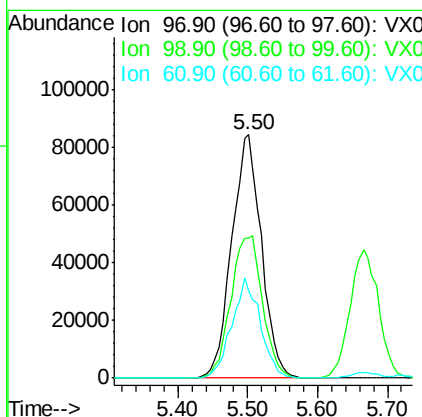
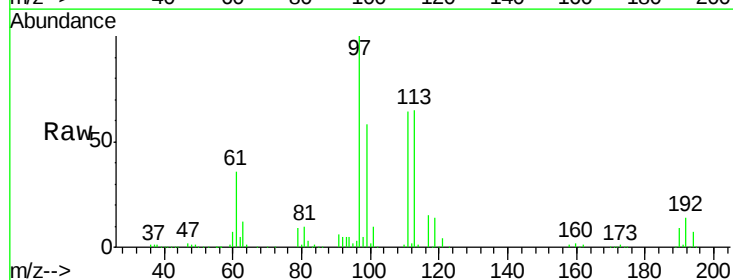
RT: 5.50 min Scan# 806

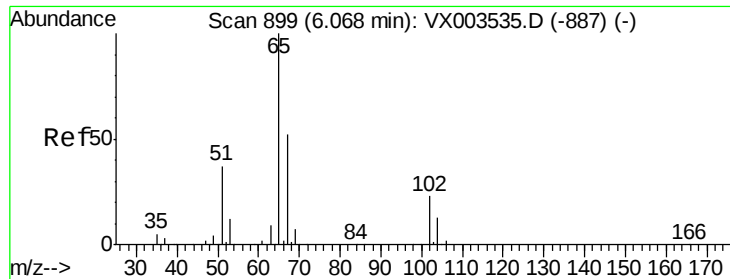
Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tgt Ion:	97	Resp:	248477
Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.6	77.4
61	39.6	36.4	54.6





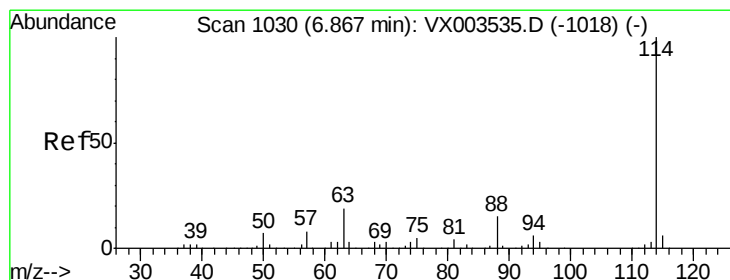
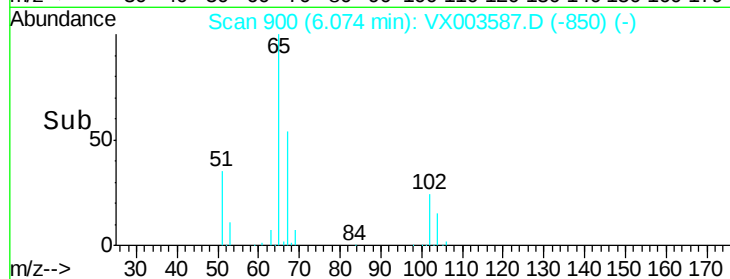
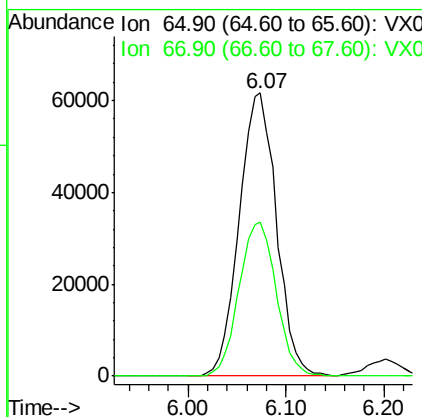
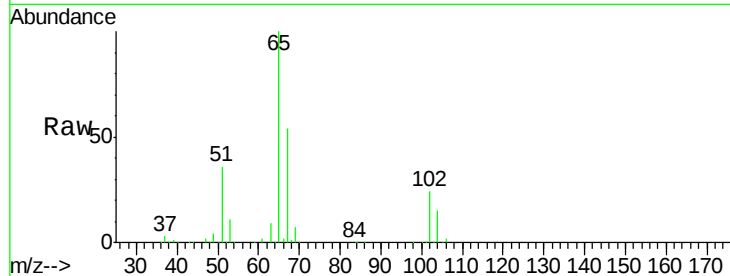
#33
 1,2-Dichloroethane-d4
 Concen: 50.58 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-W-180716MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	102.6

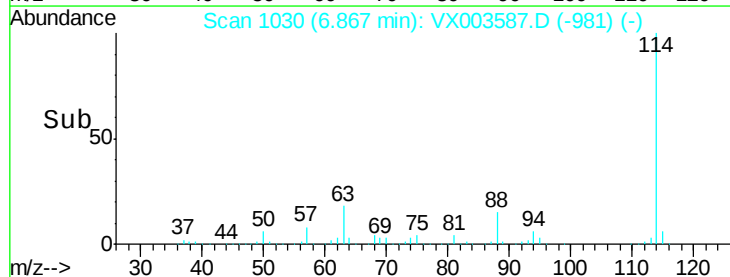
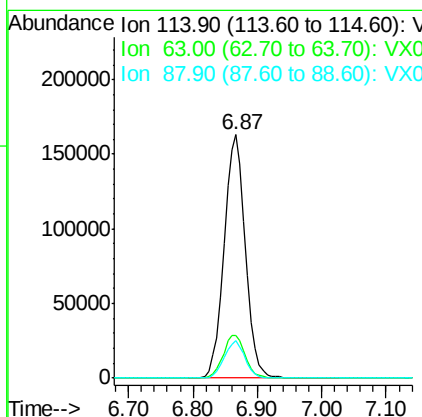
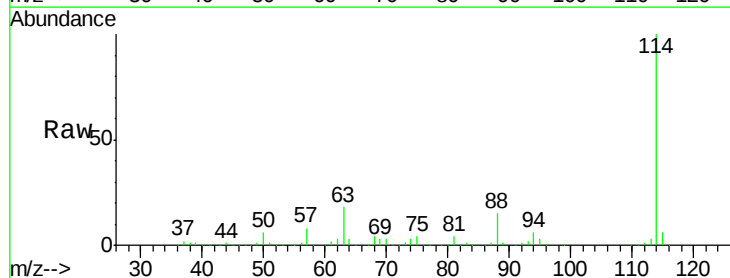
Manual Integrations
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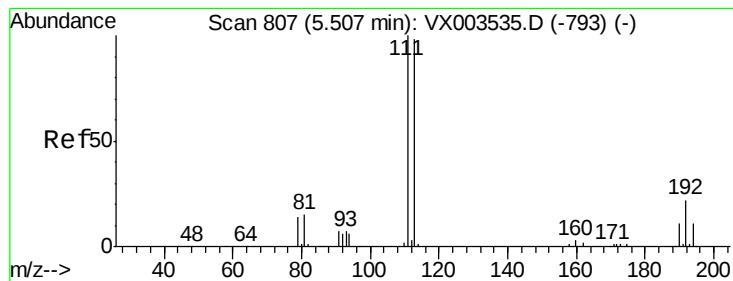
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	41.4
88	15.4	0.0	30.0





#35

Dibromofluoromethane

Concen: 55.40 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

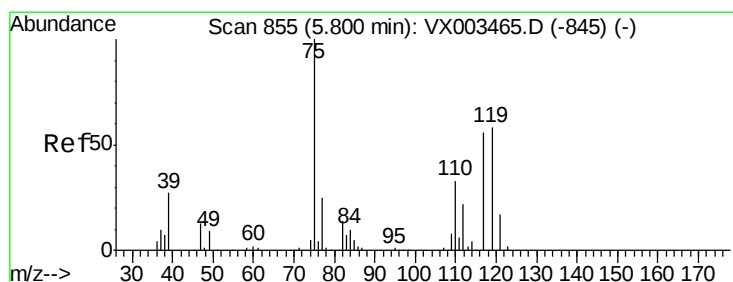
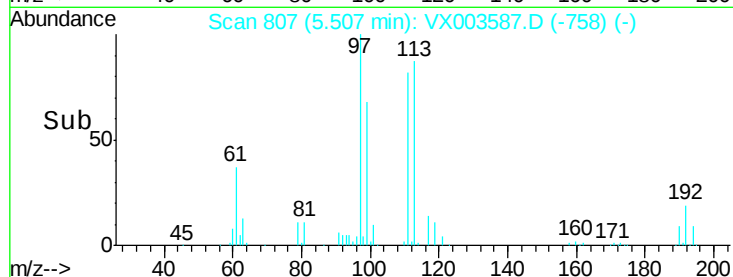
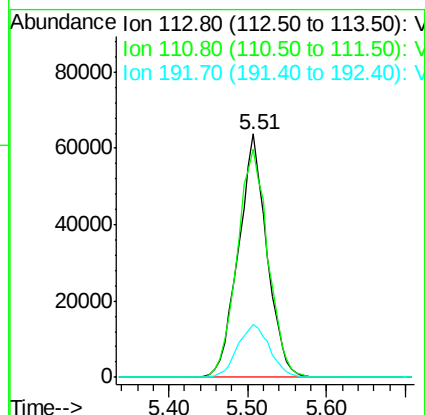
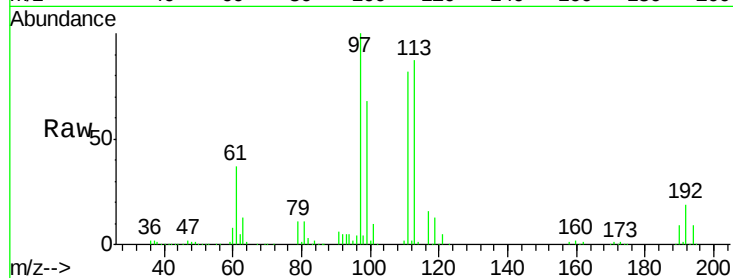
ClientSampleId :

KY030LC068-W-180716MS

Tot Ion:	113	Resp:	160235
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.4	122.0
192	24.6	19.1	28.7

Manual Integrations
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7/23/2018 3:20:02 PM



#36

1,1-Dichloropropene

Concen: 48.77 ug/l

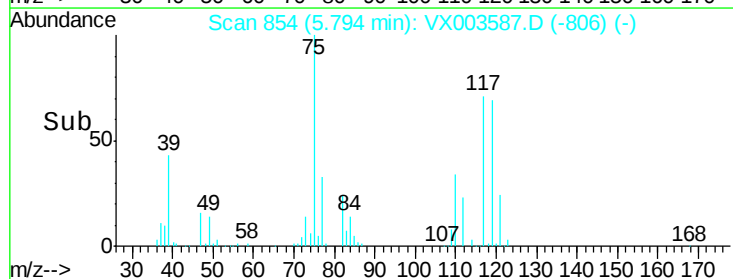
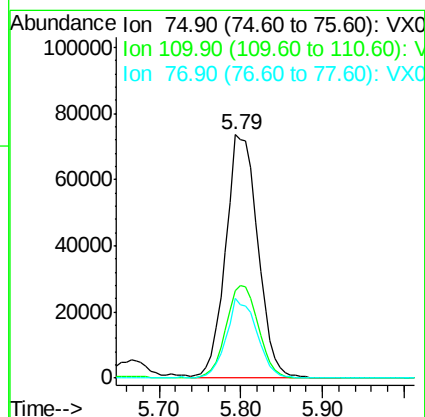
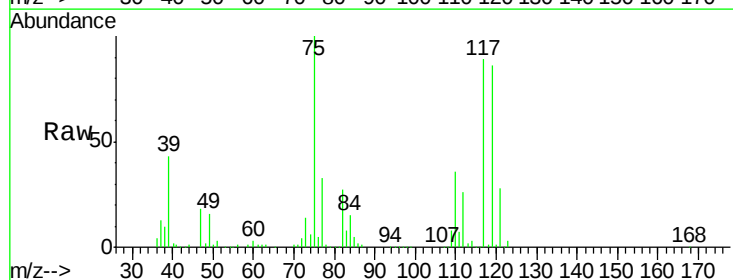
RT: 5.79 min Scan# 854

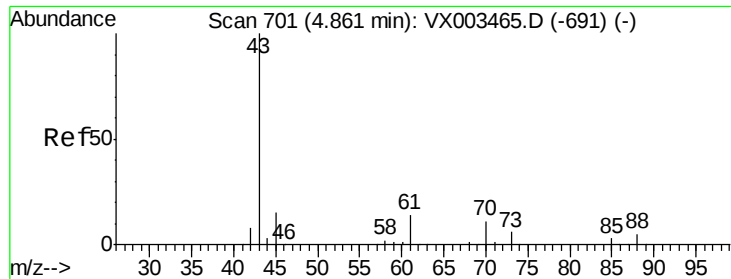
Delta R.T. -0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tgt Ion:	75	Resp:	199959
Ion Ratio	Lower	Upper	
75	100		
110	38.4	18.1	54.4
77	30.9	24.3	36.5





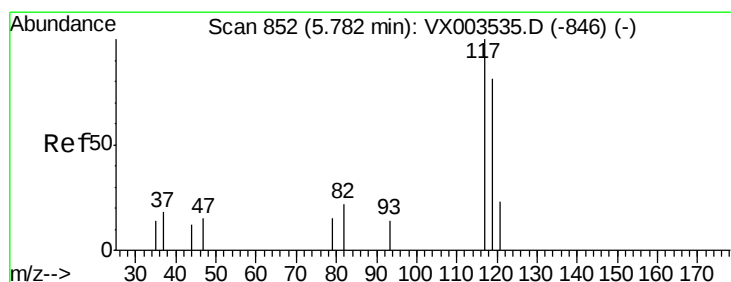
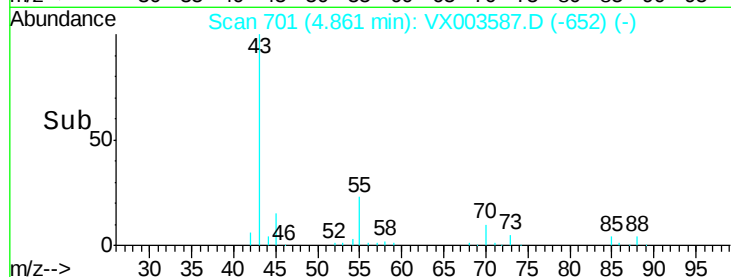
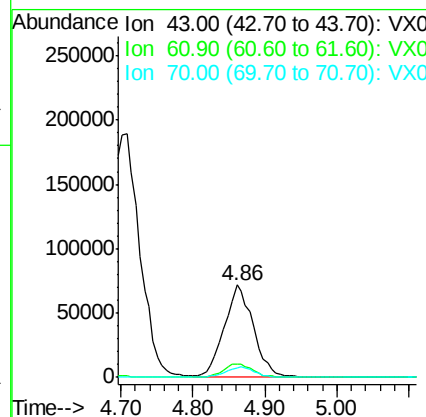
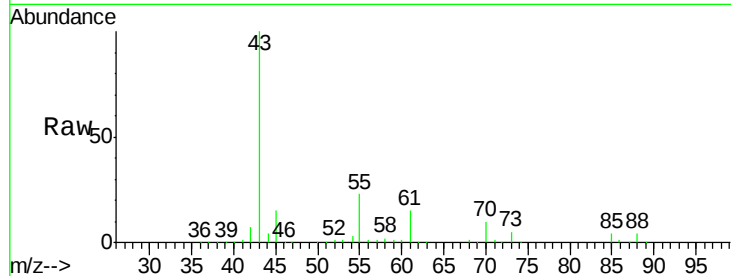
#37
Ethyl Acetate
Concen: 51.89 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	10.4	15.6
70	11.0	7.6	11.4

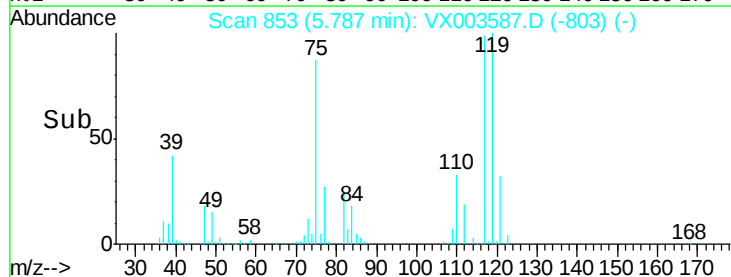
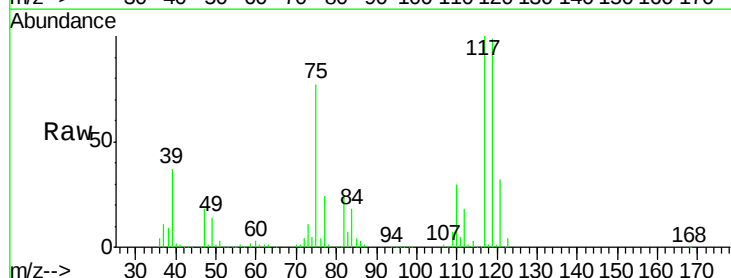
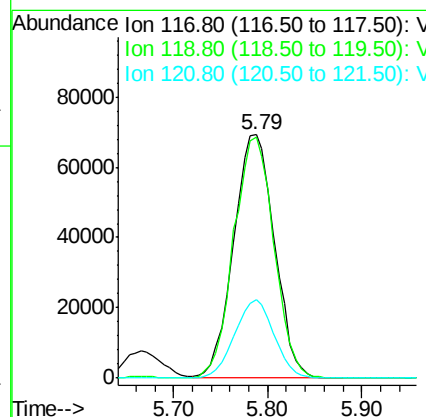
Manual Integrations
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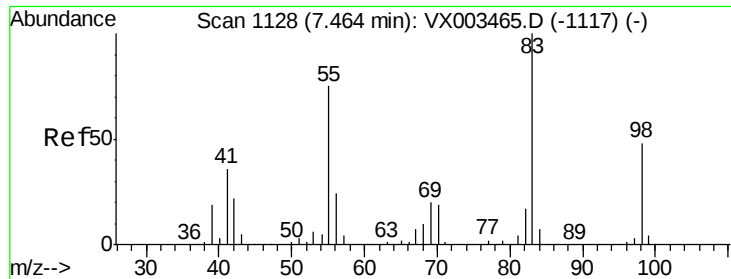
MMDadoda
7/23/2018 3:20:02 PM



#38
Carbon Tetrachloride
Concen: 51.93 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	77.4	116.0
121	32.4	24.4	36.6





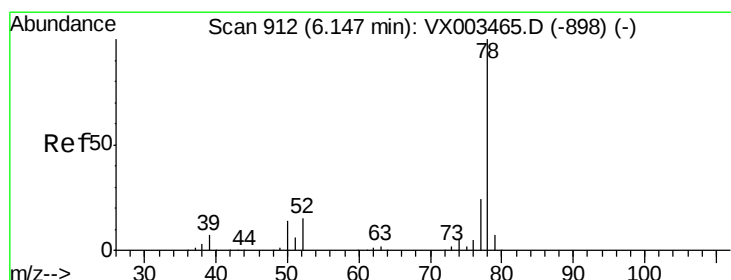
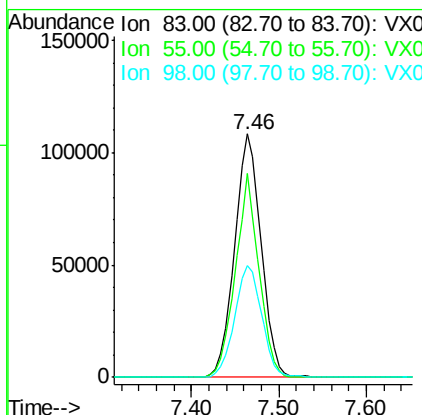
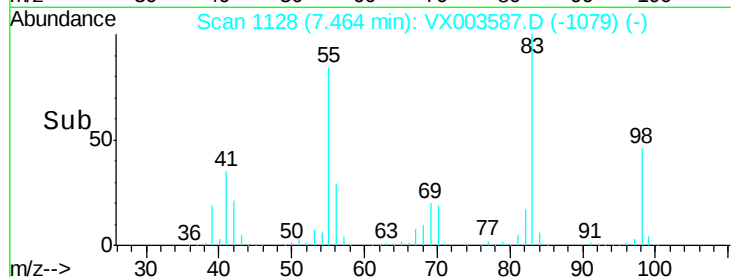
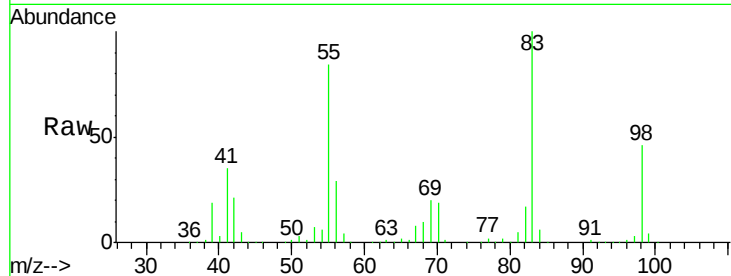
#39
Methvlcvclohexane
Concen: 47.11 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	228802		
55	83.6		65.4	98.0
98	46.1		37.4	56.0

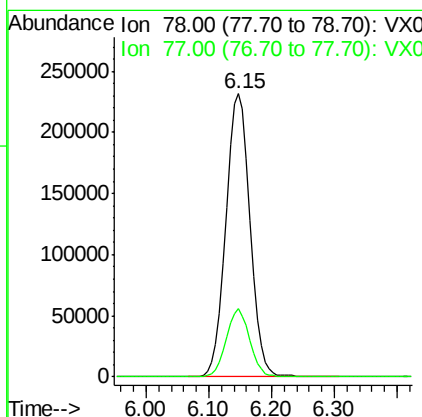
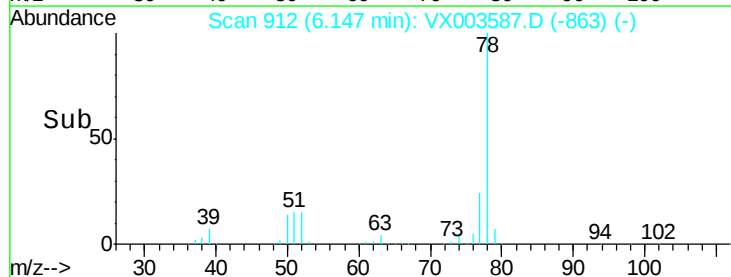
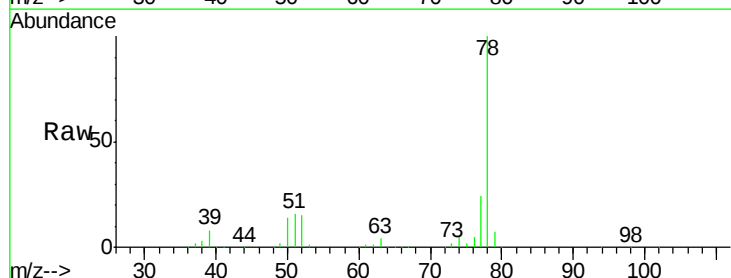
Manual Integrations
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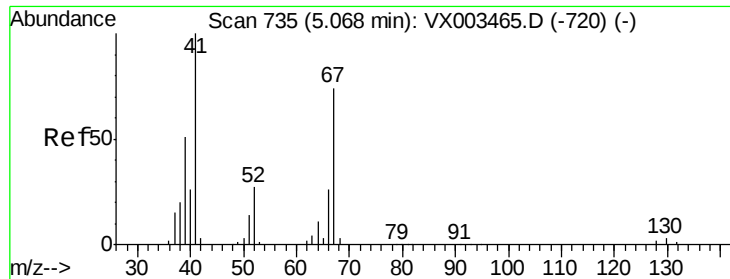
MMDadoda
7/23/2018 3:20:02 PM



#40
Benzene
Concen: 49.94 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	618247		
77	24.2		19.1	28.7





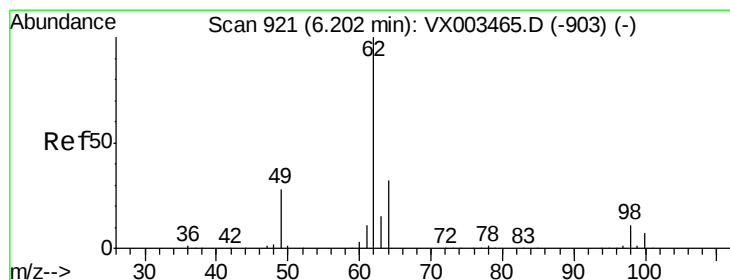
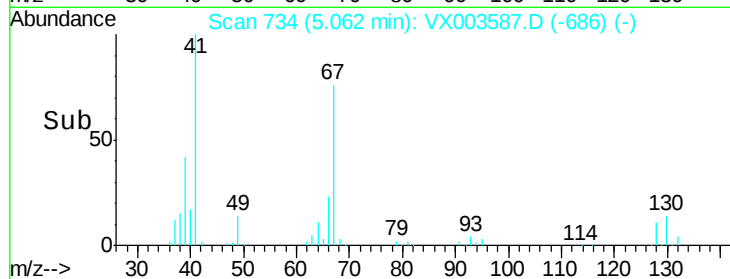
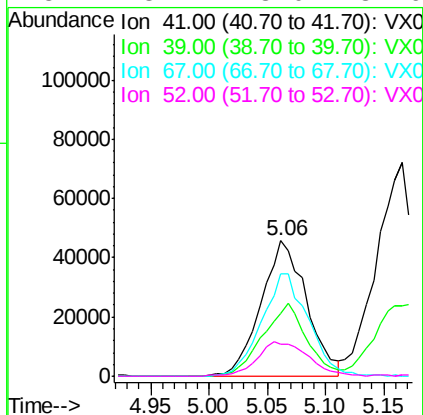
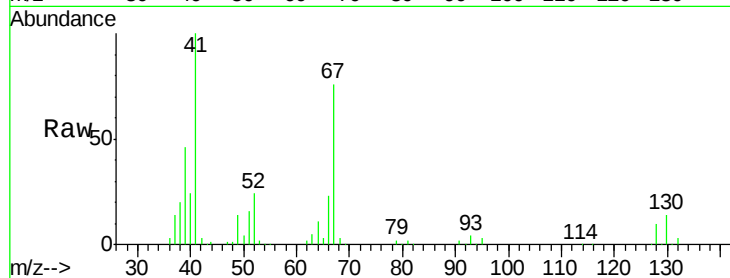
#41
Methacrylonitrile
Concen: 54.34 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		123921		
39	51.5	45.8	68.6		
67	78.2	51.3	76.9		
52	28.4	23.0	34.6		

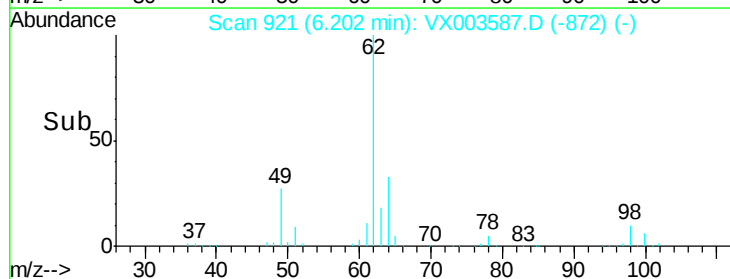
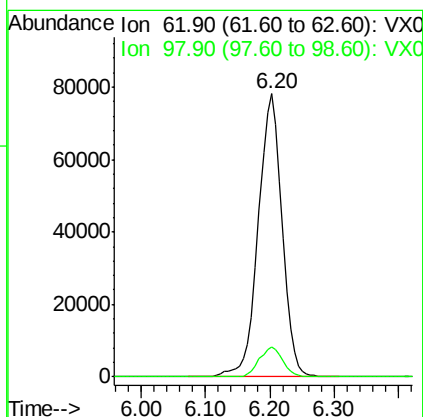
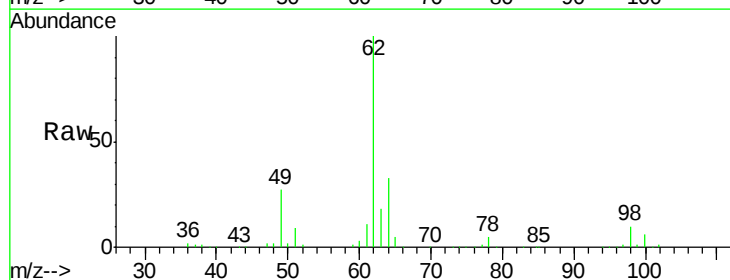
Manual Integrations
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7/23/2018 3:20:02 PM



#42
1,2-Dichloroethane
Concen: 51.02 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		199013		
98	10.4	0.0	16.6		





#43

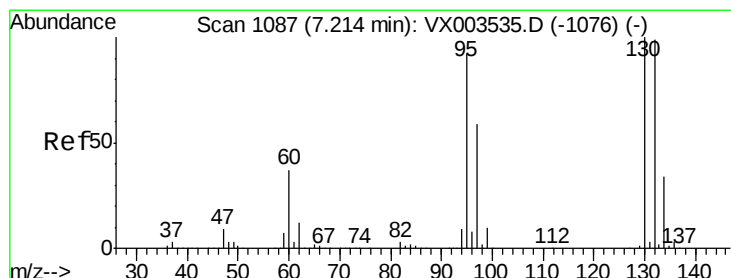
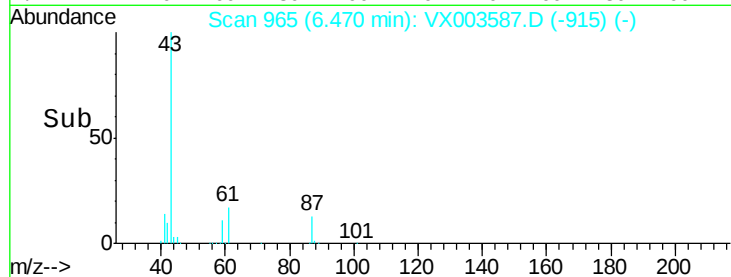
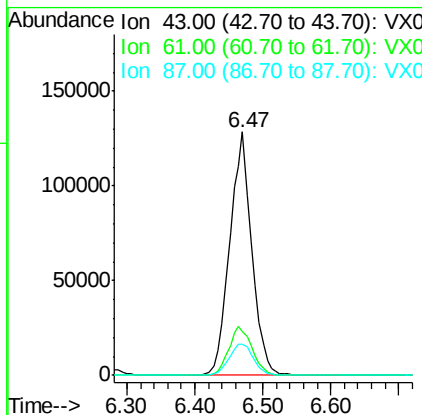
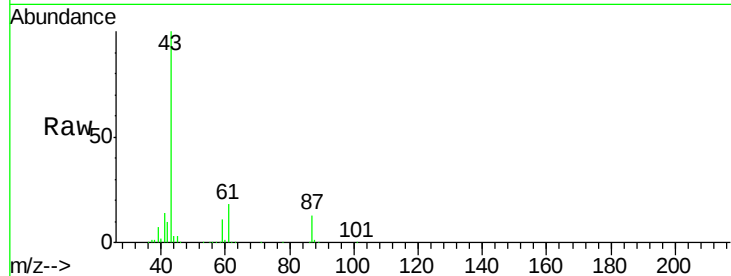
Isopropyl Acetate
 Concen: 46.44 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-W-180716MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	14.4	21.6
87	14.4	9.5	14.3

Manual Integrations
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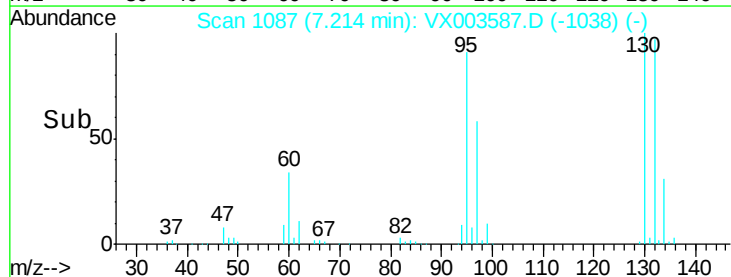
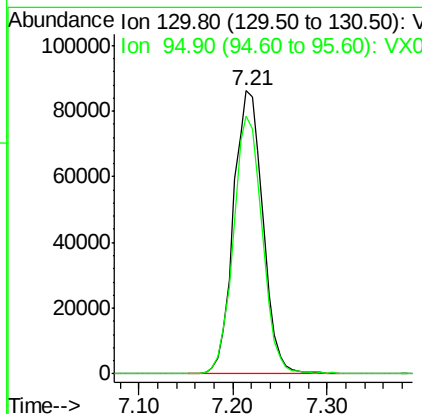
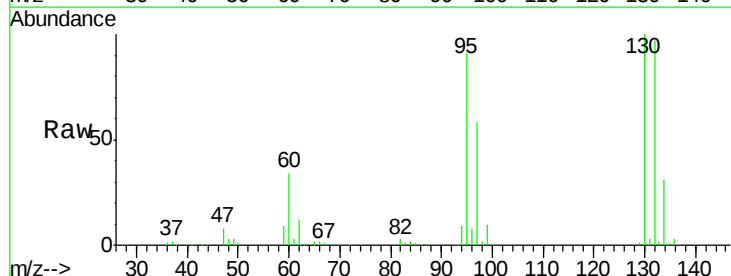
MMDadoda
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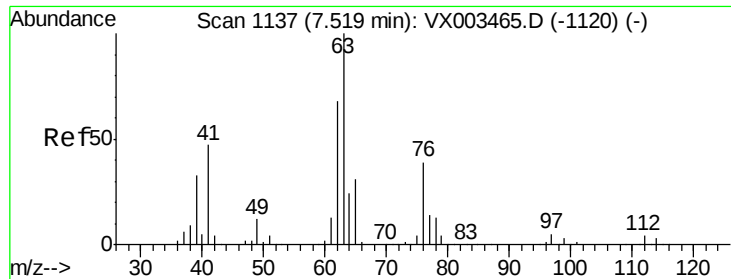


#44

Trichloroethene
 Concen: 50.66 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	185.4





#45

1,2-Dichloropropane

Concen: 50.59 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

Tot Ion: 63 Resp: 159023

Ion Ratio Lower Upper

63 100

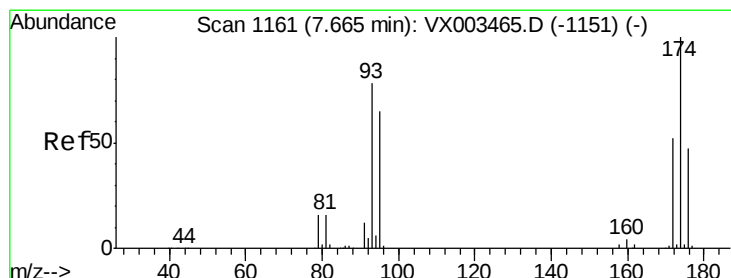
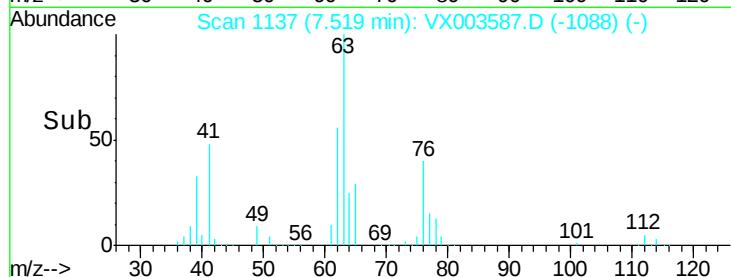
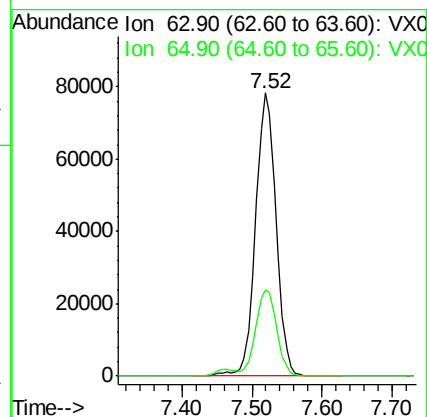
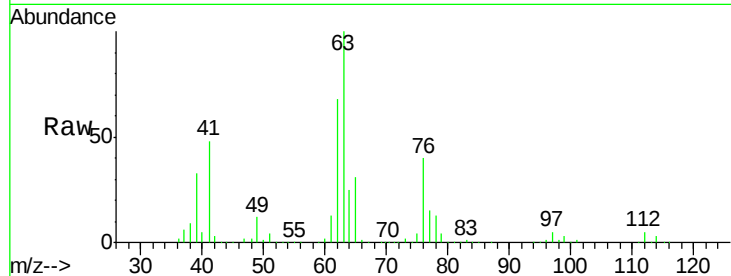
65 30.7 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 52.50 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

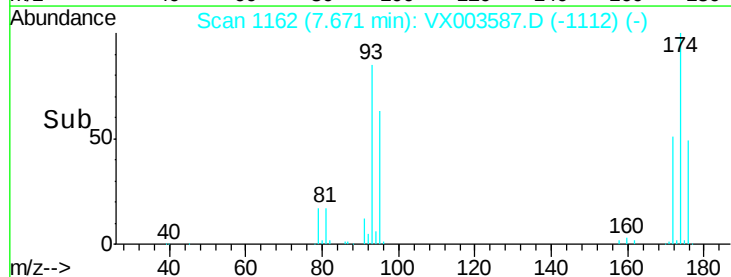
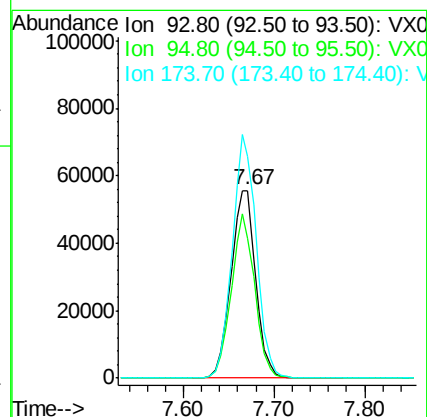
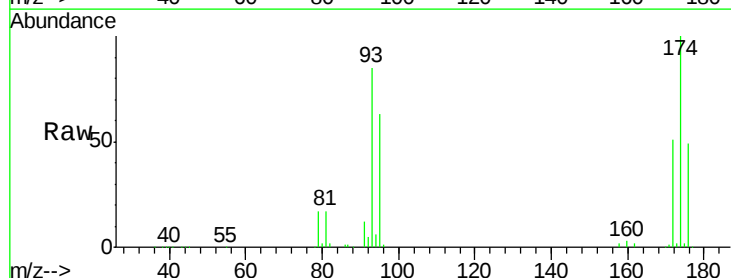
Tgt Ion: 93 Resp: 106237

Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

174 126.0 92.4 138.6





#47

Bromodichloromethane

Concen: 53.42 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

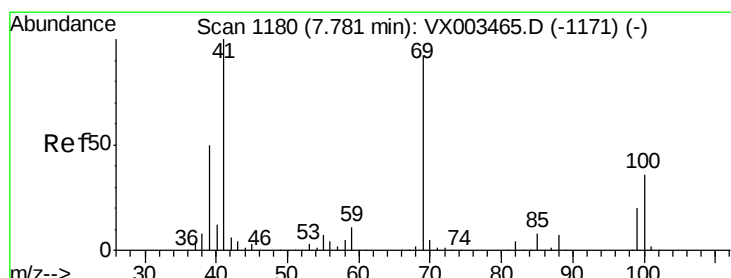
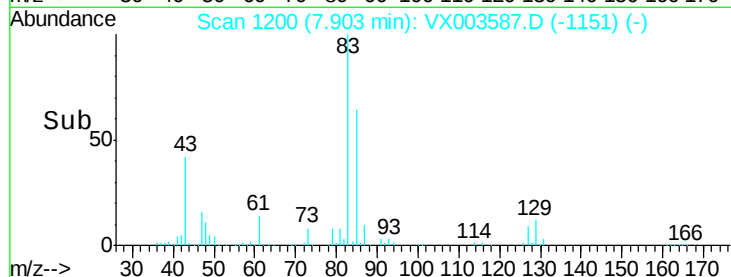
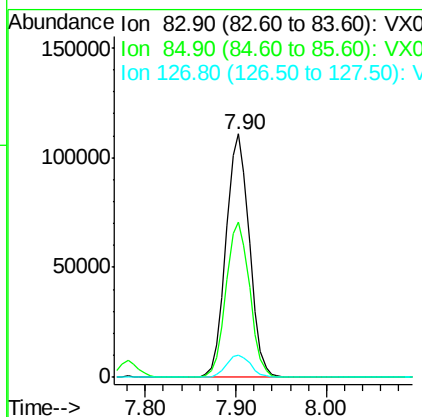
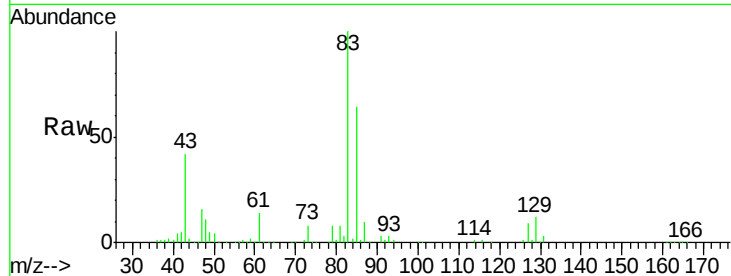
ClientSampleId :

KY030LC068-W-180716MS

Tot Ion:	83	Resp:	197908
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.3	75.5
127	9.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.77 ug/l

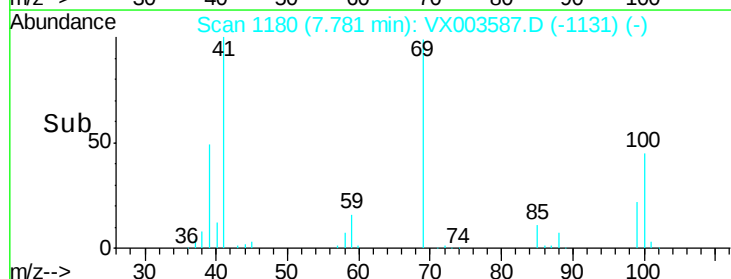
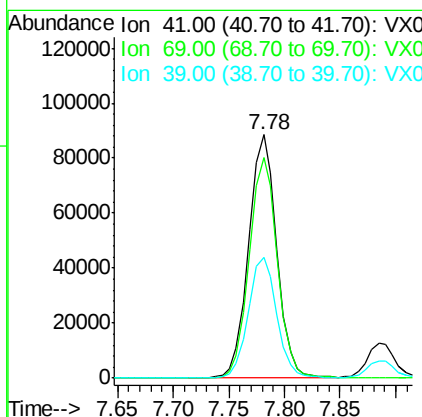
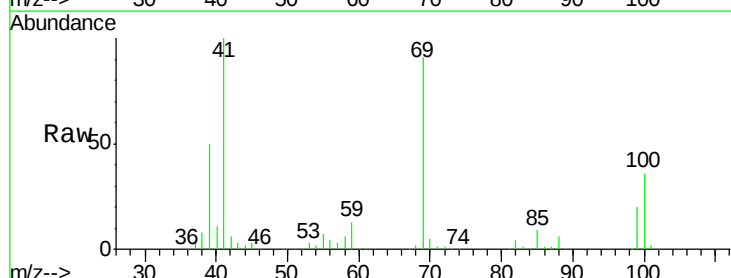
RT: 7.78 min Scan# 1180

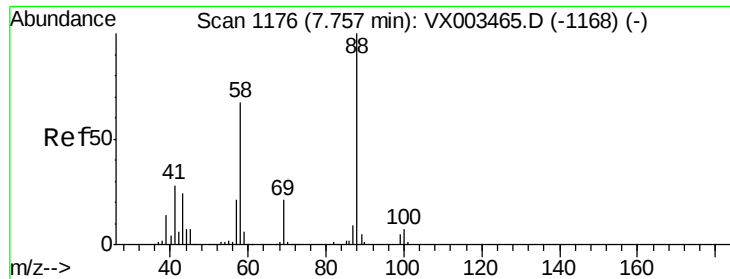
Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tgt Ion:	41	Resp:	154899
Ion	Ratio	Lower	Upper
41	100		
69	91.4	59.1	88.7#
39	50.4	48.9	73.3





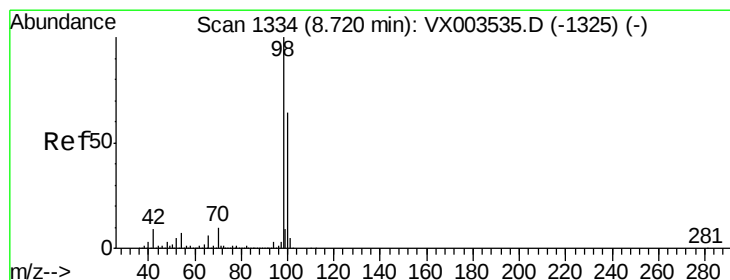
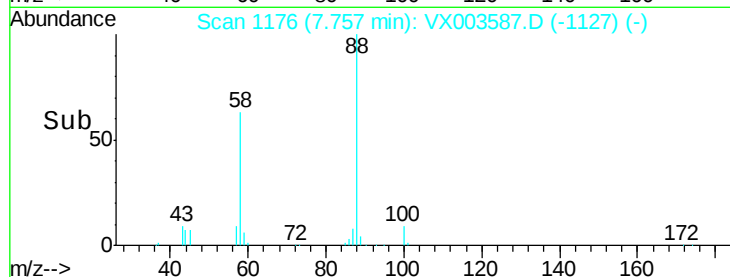
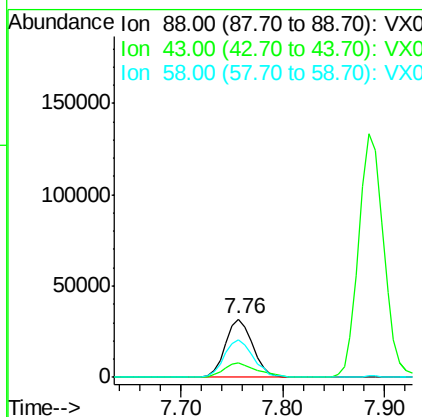
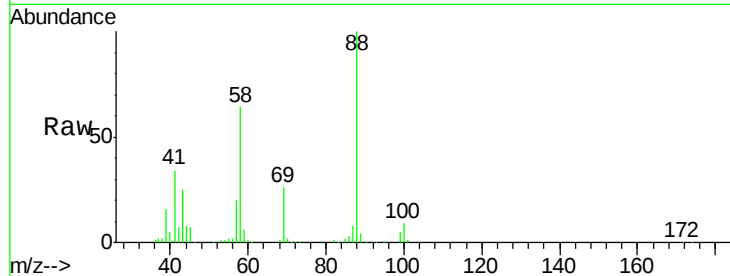
#49
 1,4-Dioxane
 Concen: 839.23 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-W-180716MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	29.8	44.6
58	69.2	57.1	85.7

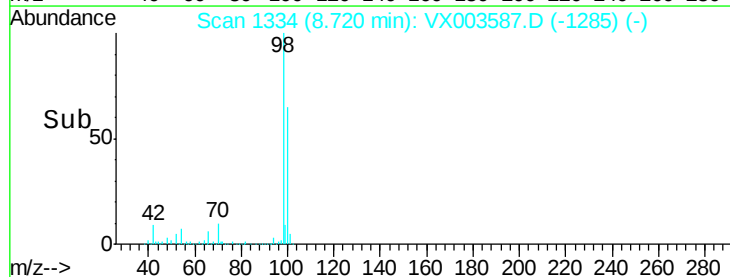
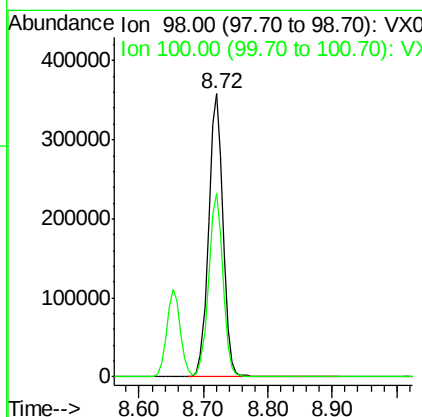
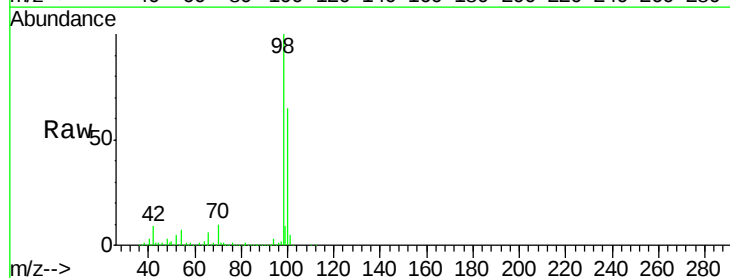
Manual Integrations
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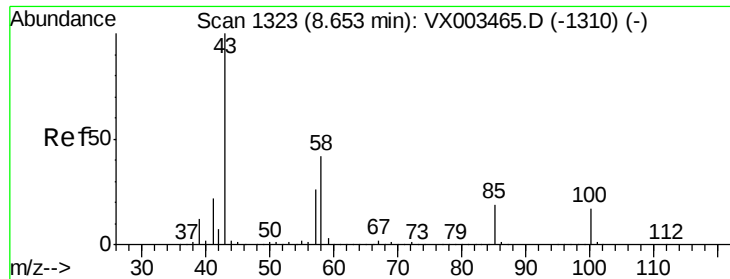
MMDadoda
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#50
 Toluene-d8
 Concen: 51.48 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 251.08 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

Tot Ion: 43 Resp: 978997

Ion Ratio Lower Upper

43 100

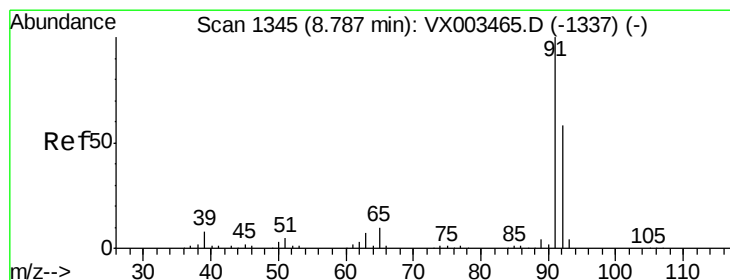
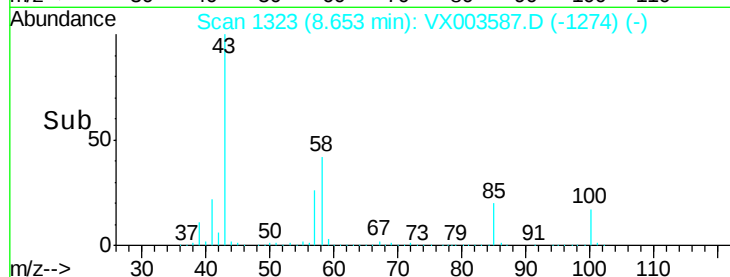
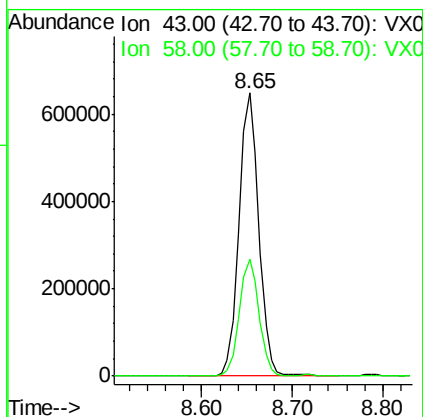
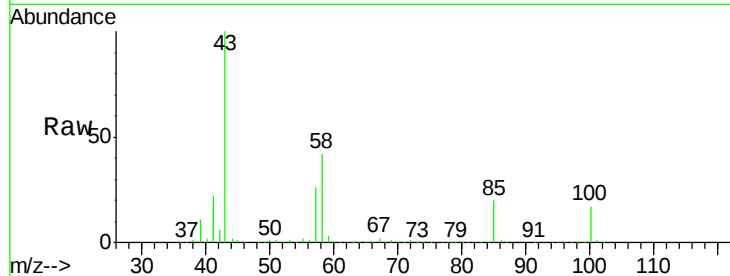
58 41.2 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 50.77 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003587.D

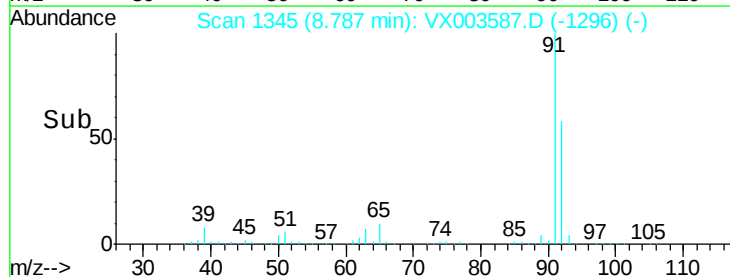
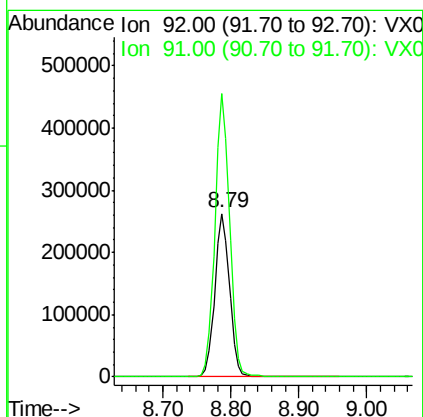
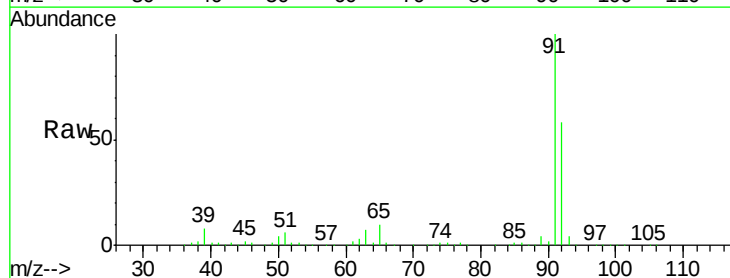
Acq: 22 Jul 2018 06:47

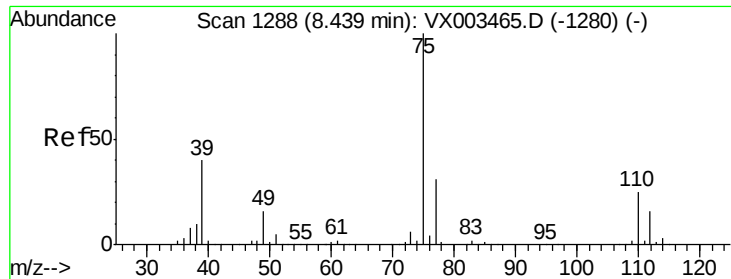
Tgt Ion: 92 Resp: 395584

Ion Ratio Lower Upper

92 100

91 172.7 140.4 210.6





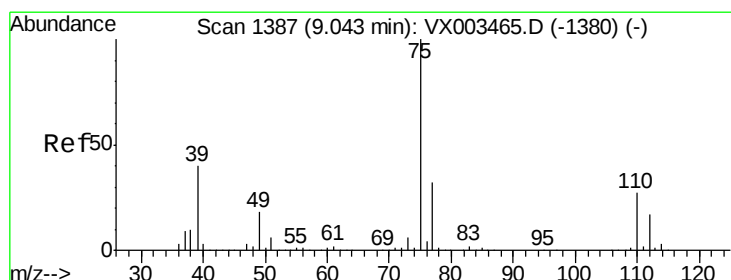
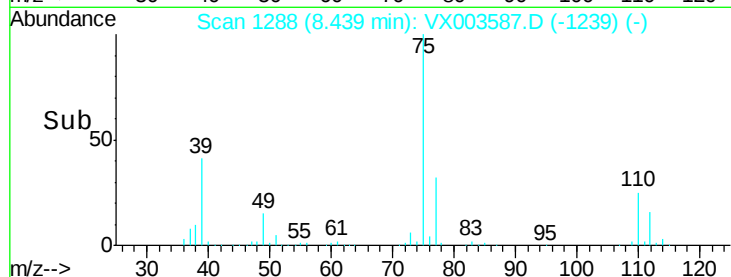
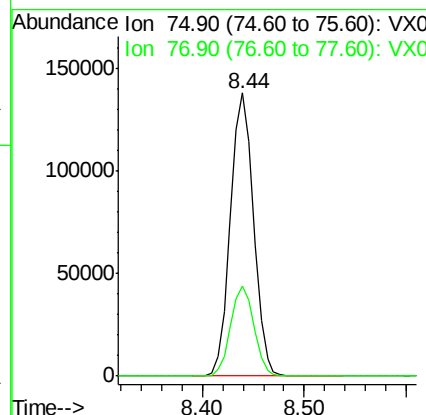
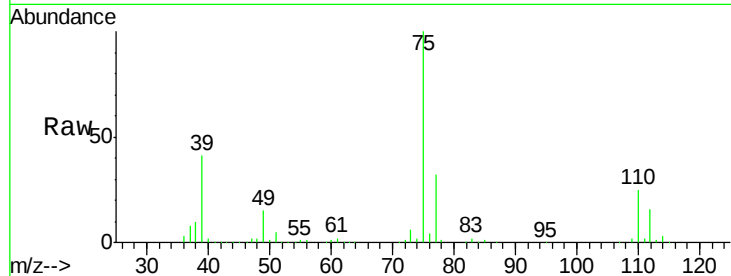
#53
t-1,3-Dichloropropene
Concen: 47.71 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion: 75 Resp: 217559
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

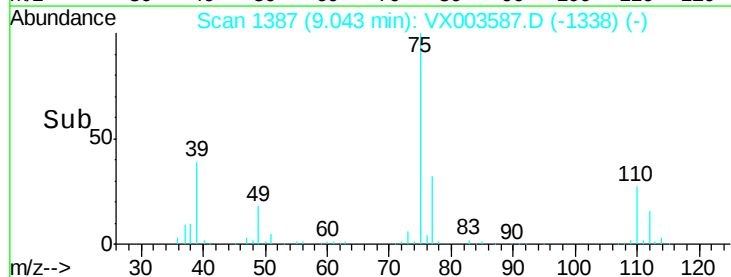
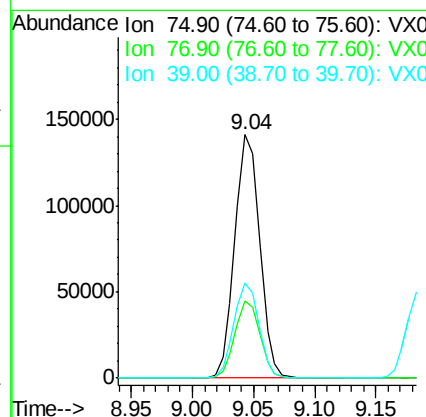
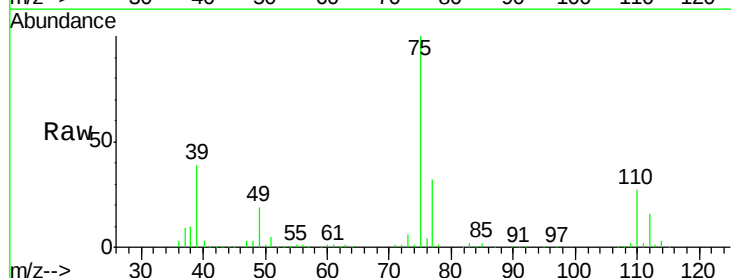
Manual Integrations
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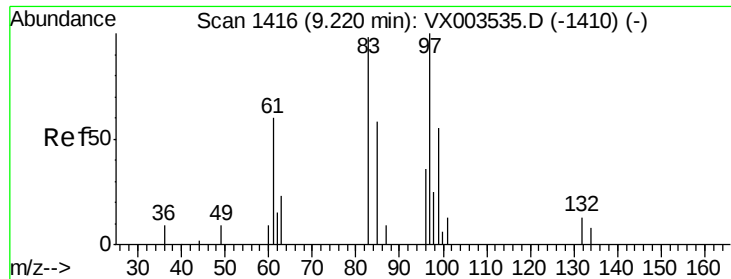
MMDadoda
7/23/2018 3:20:02 PM



#54
cis-1,3-Dichloropropene
Concen: 48.47 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion: 75 Resp: 198776
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 39.1 42.4 63.6#





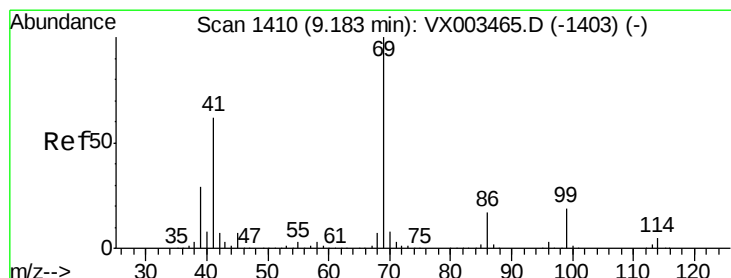
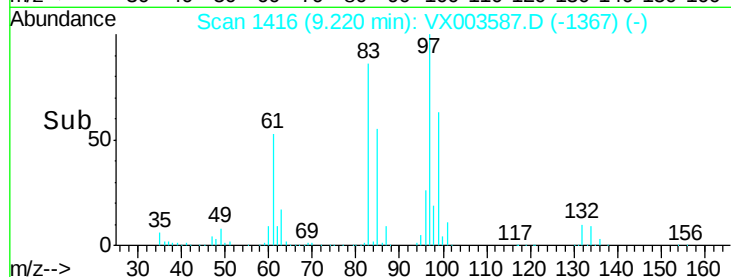
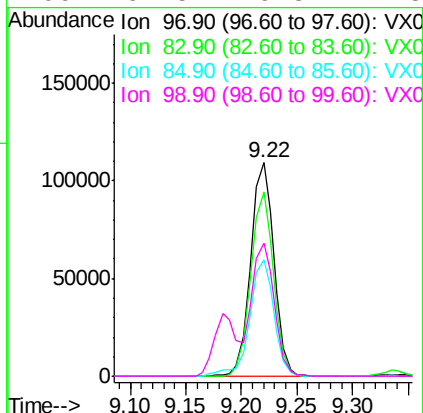
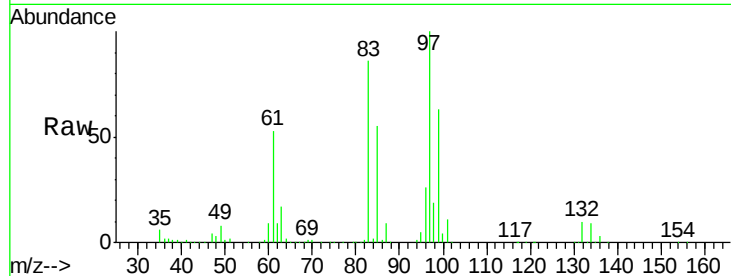
#55
 1,1,2-Trichloroethane
 Concen: 51.57 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-W-180716MS

Tot Ion:	97	Resp:	159898
Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.2	105.2
85	54.6	44.9	67.3
99	62.5	49.8	74.8

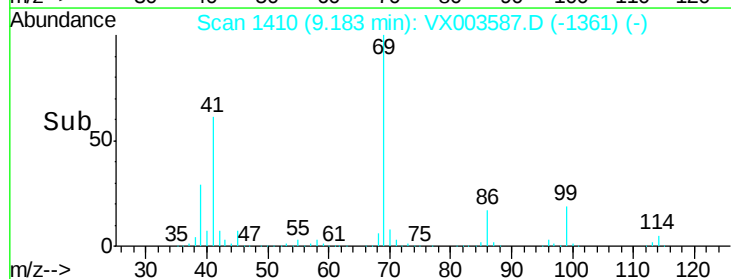
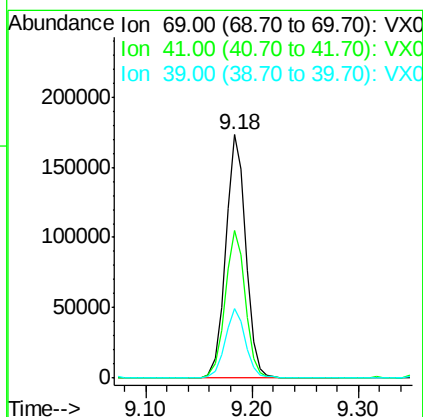
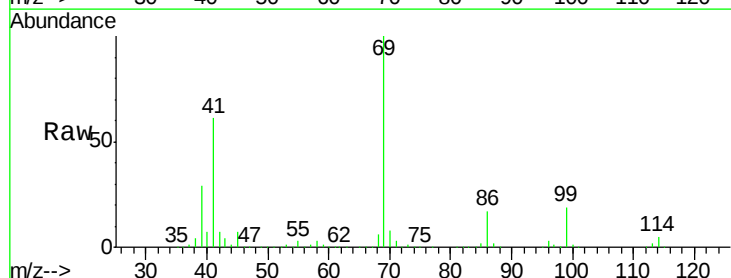
Manual Integrations
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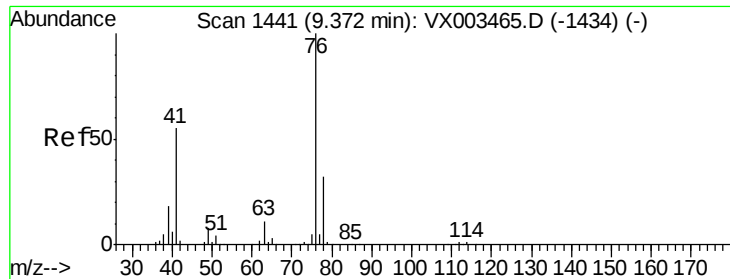
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#56
 Ethyl methacrylate
 Concen: 52.29 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Tgt Ion:	69	Resp:	228377
Ion	Ratio	Lower	Upper
69	100		
41	60.9	60.3	90.5
39	28.9	35.8	53.8#





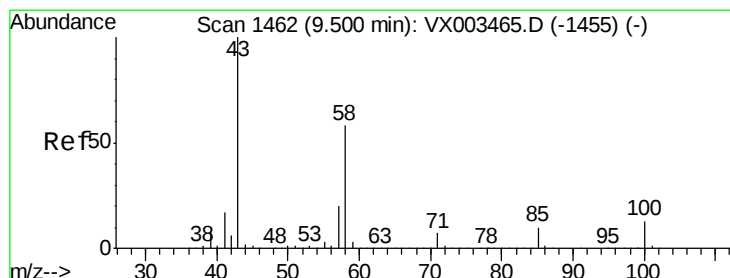
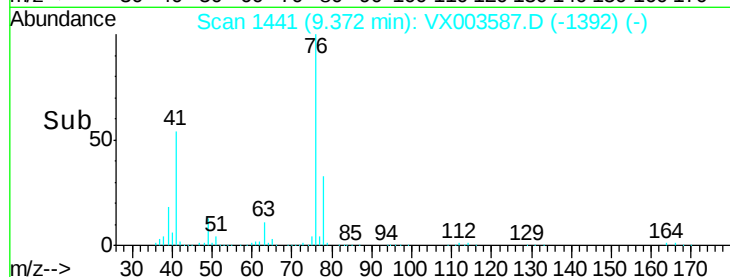
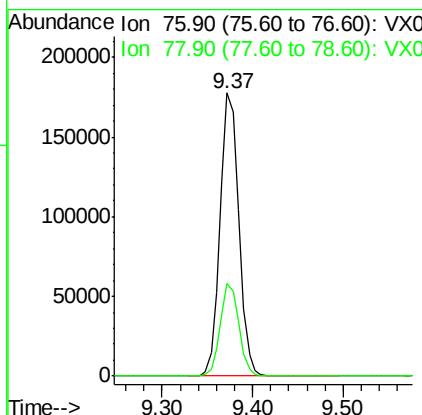
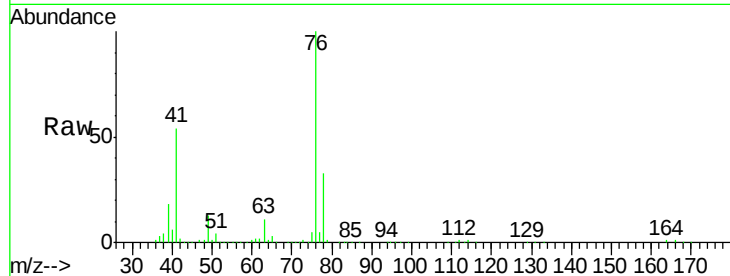
#57
 1,3-Dichloropropane
 Concen: 51.24 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-W-180716MS

Tot Ion: 76 Resp: 256850
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6

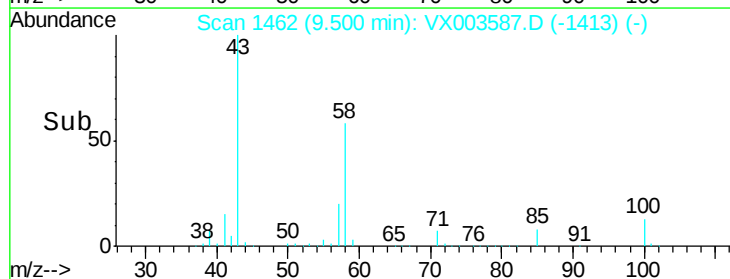
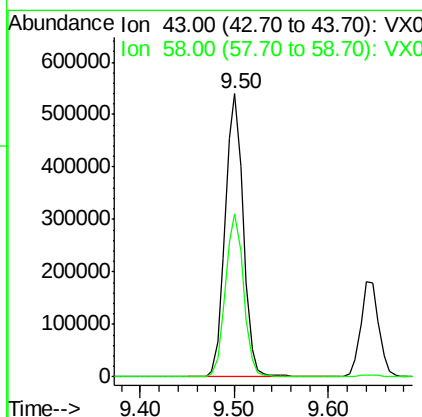
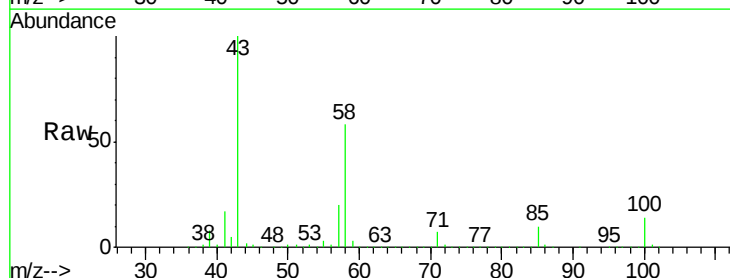
Manual Integrations
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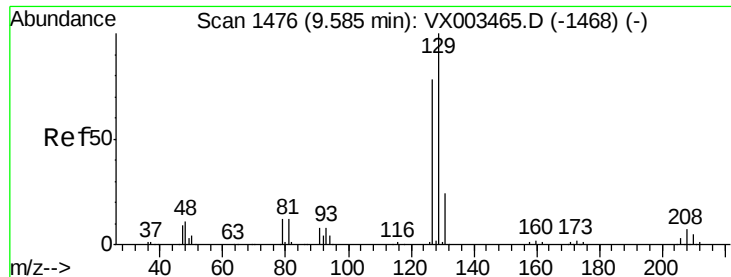
MMDadoda
 7/23/2018 3:20:02 PM



#59
 2-Hexanone
 Concen: 249.62 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Tgt Ion: 43 Resp: 721135
 Ion Ratio Lower Upper
 43 100
 58 57.8 24.6 73.6





#60

Dibromochloromethane

Concen: 54.79 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

Tot Ion:129 Resp: 168154

Ion Ratio Lower Upper

129 100

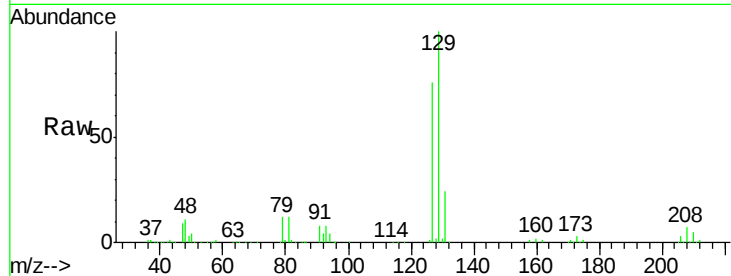
127 76.4 38.5 115.3

Manual Integrations

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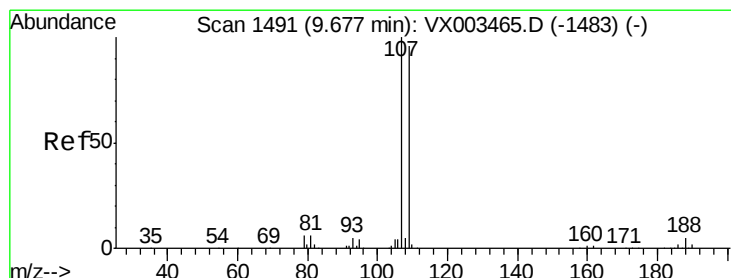
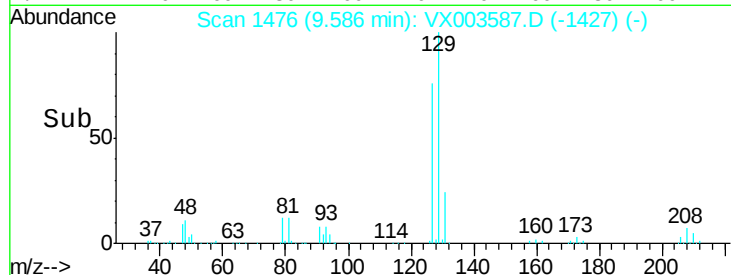
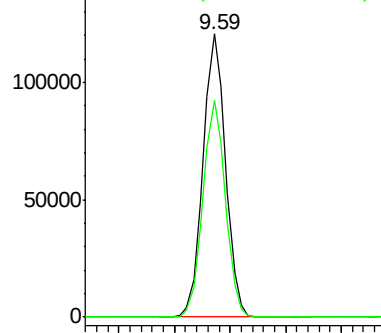
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.60 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003587.D

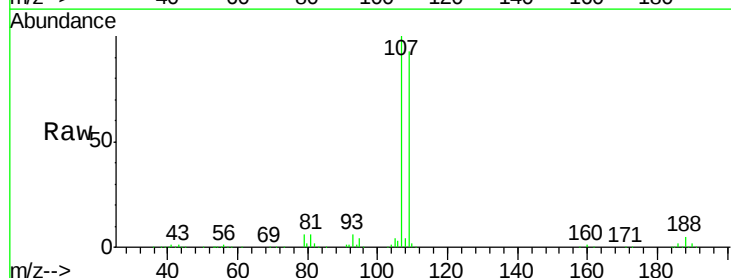
Acq: 22 Jul 2018 06:47

Tgt Ion:107 Resp: 165857

Ion Ratio Lower Upper

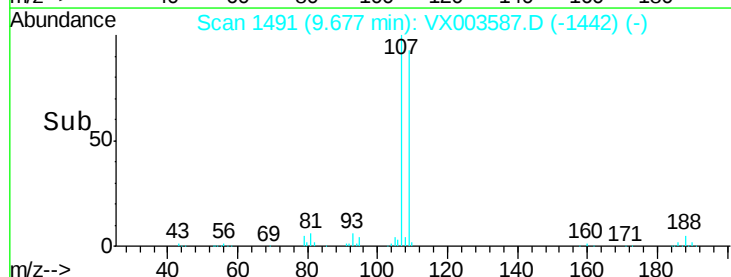
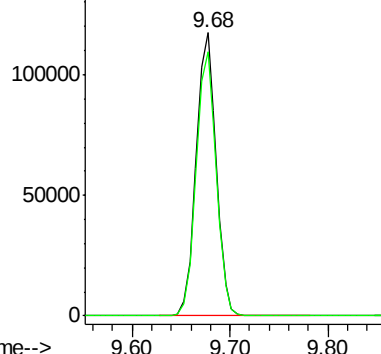
107 100

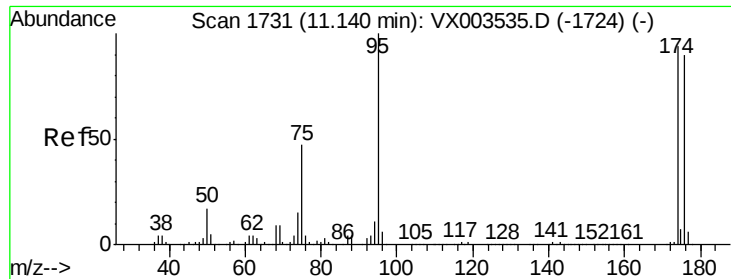
109 94.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





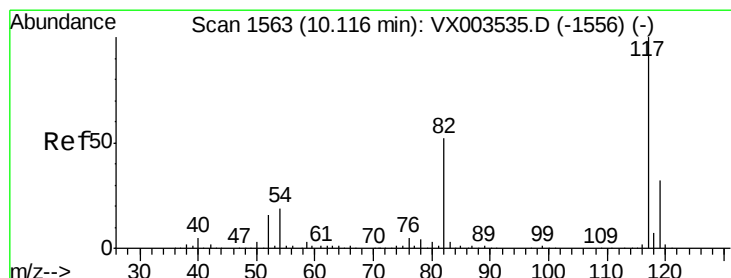
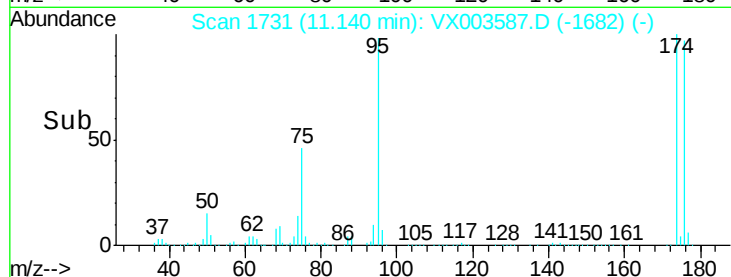
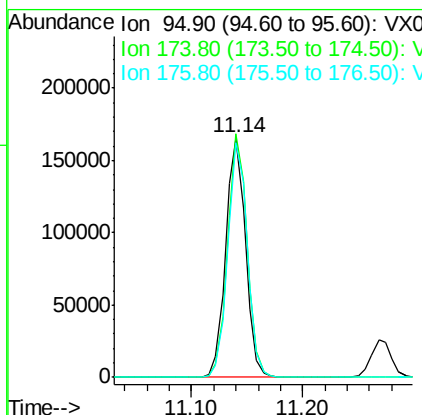
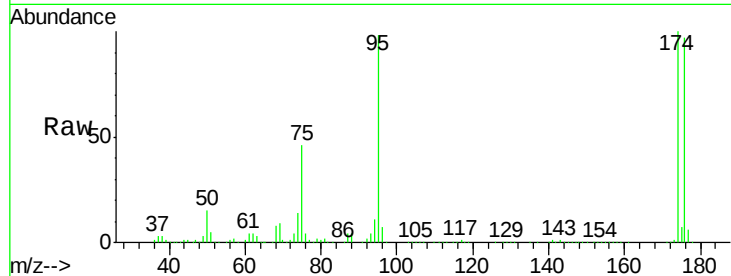
#62
4-Bromofluorobenzene
Concen: 51.05 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	202531		
174	100.3	0.0	187.4	
176	97.3	0.0	181.0	

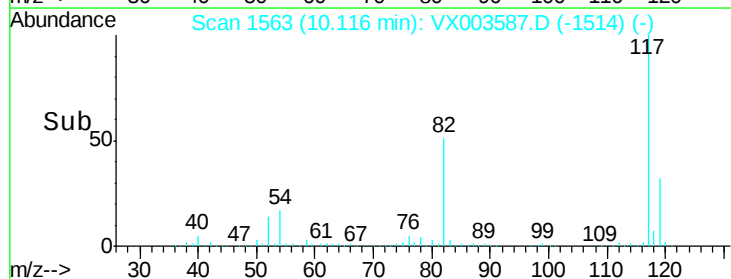
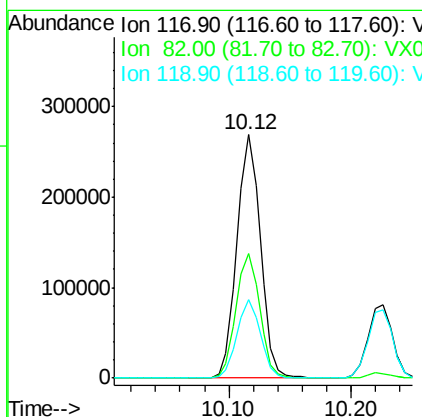
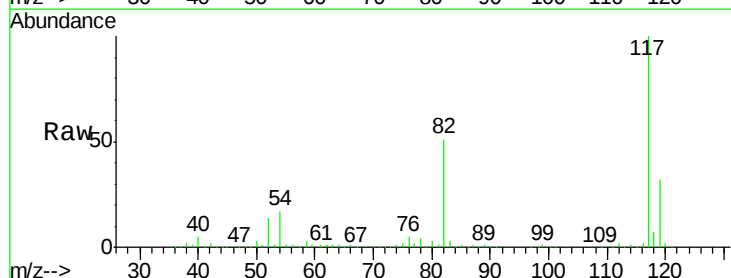
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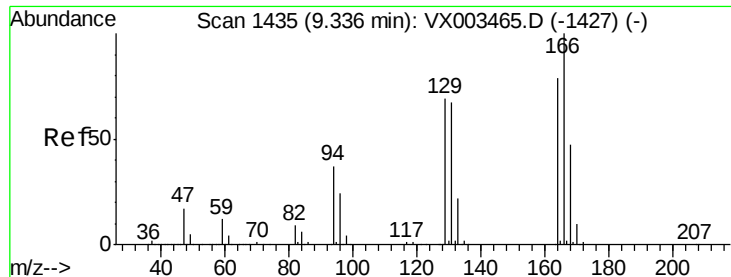
MMDadoda
7/23/2018 3:20:02 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	357581		
82	51.1	45.0	67.4	
119	32.4	25.8	38.6	





#64

Tetrachloroethene

Concen: 49.09 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

Tot Ion:164 Resp: 213888

Ion Ratio Lower Upper

164 100

166 127.7 102.9 154.3

129 87.7 68.6 102.8

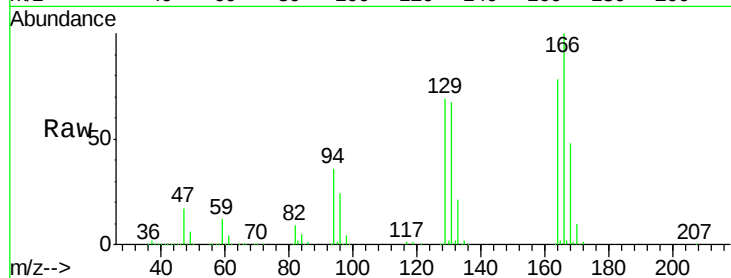
131 85.5 66.8 100.2

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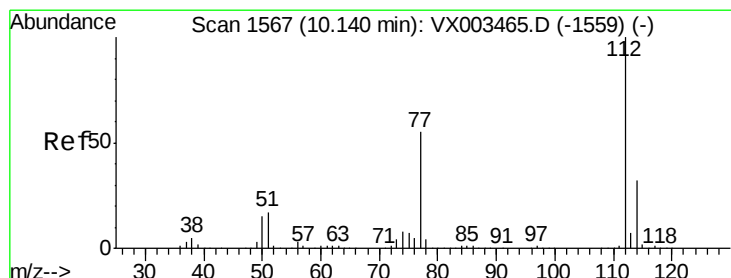
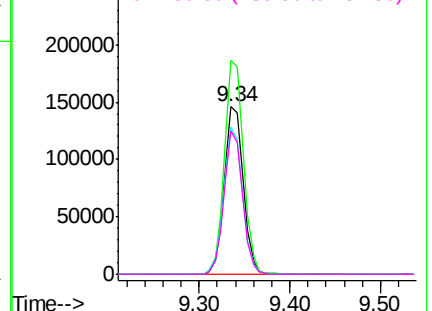
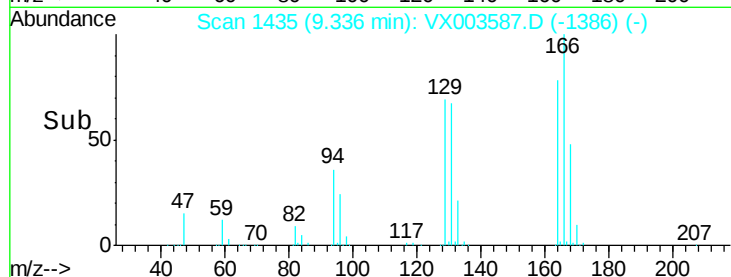


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.00 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003587.D

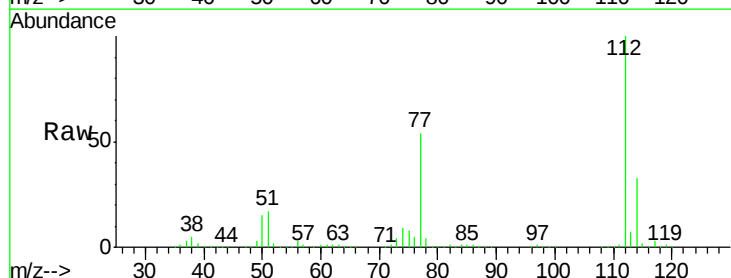
Acq: 22 Jul 2018 06:47

Tgt Ion:112 Resp: 451414

Ion Ratio Lower Upper

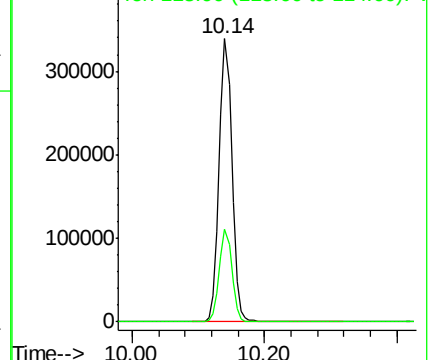
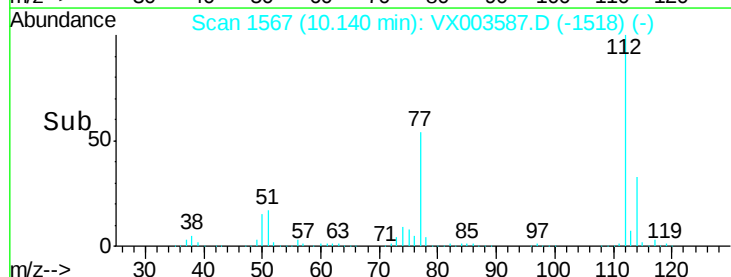
112 100

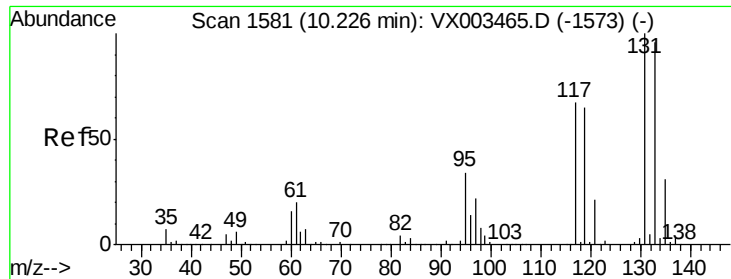
114 32.7 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.36 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

Tot Ion:131 Resp: 165975

Ion Ratio Lower Upper

131 100

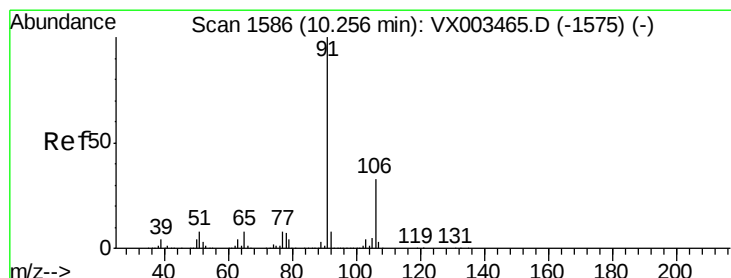
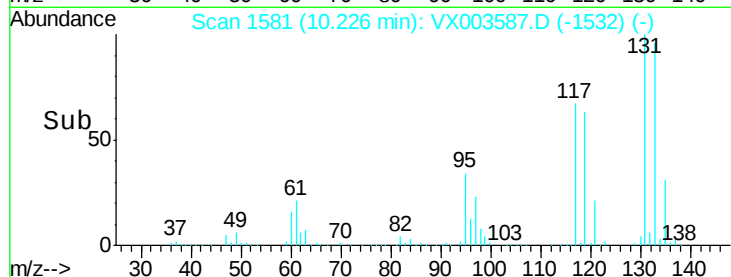
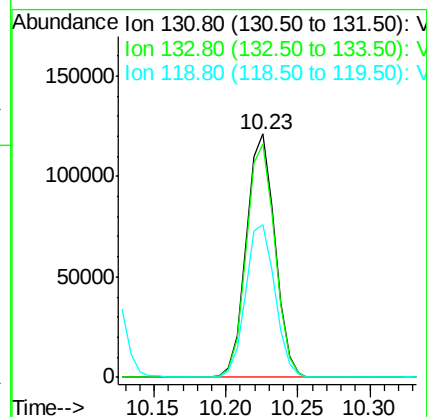
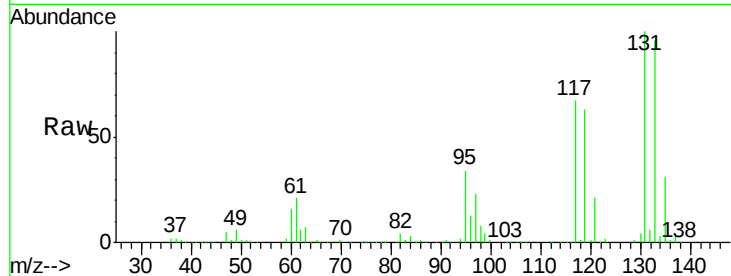
133 96.1 47.9 143.6

119 64.2 31.8 95.3

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#67

Ethyl Benzene

Concen: 50.29 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003587.D

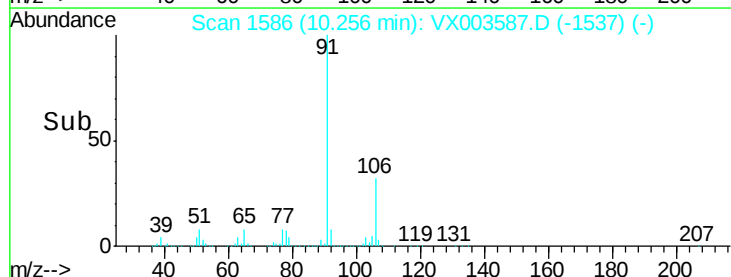
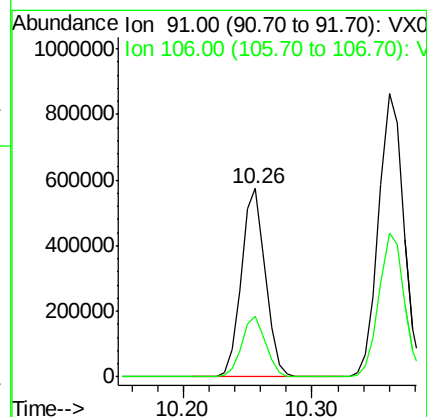
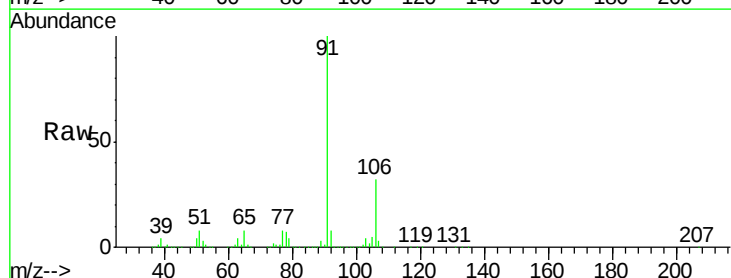
Acq: 22 Jul 2018 06:47

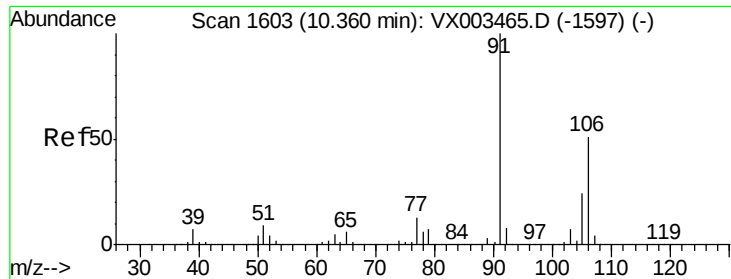
Tgt Ion: 91 Resp: 744929

Ion Ratio Lower Upper

91 100

106 32.4 25.5 38.3





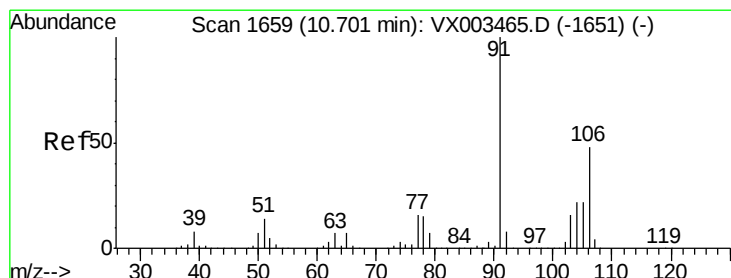
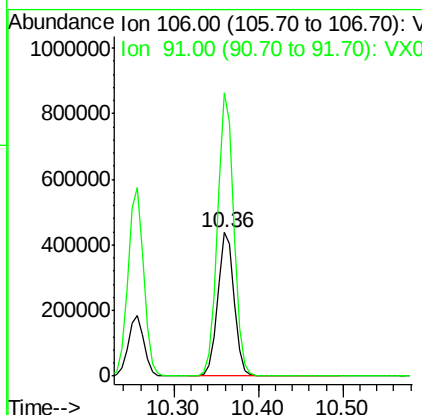
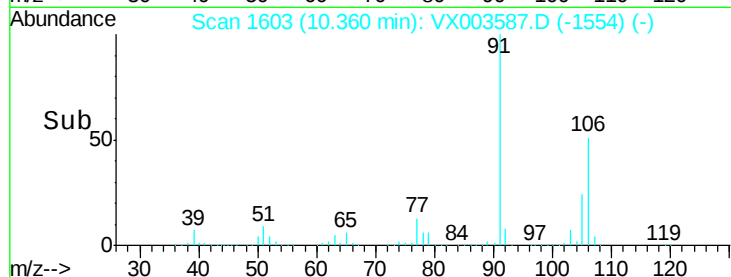
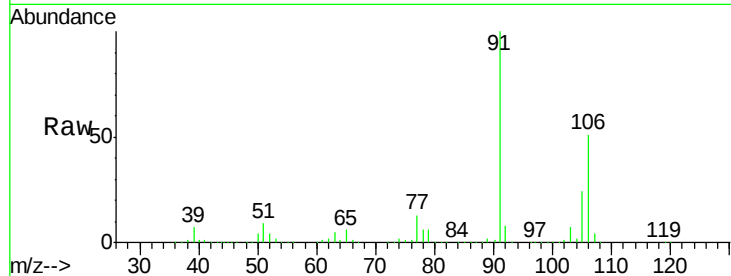
#68
m/p-Xvlenes
Concen: 101.39 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion:106 Resp: 588794
Ion Ratio Lower Upper
106 100
91 196.9 163.4 245.2

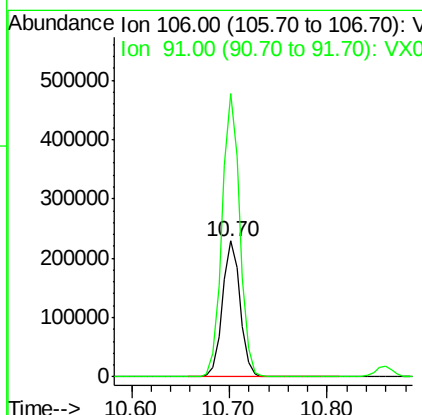
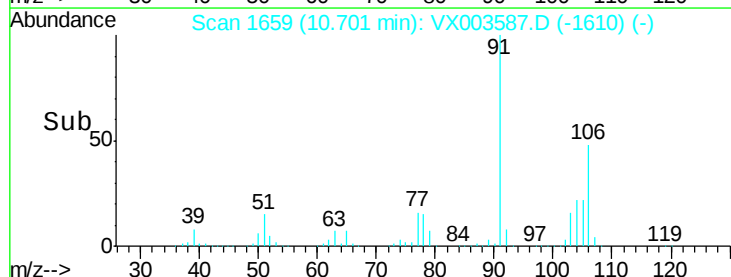
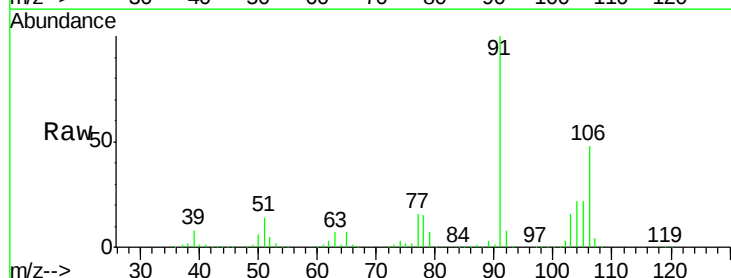
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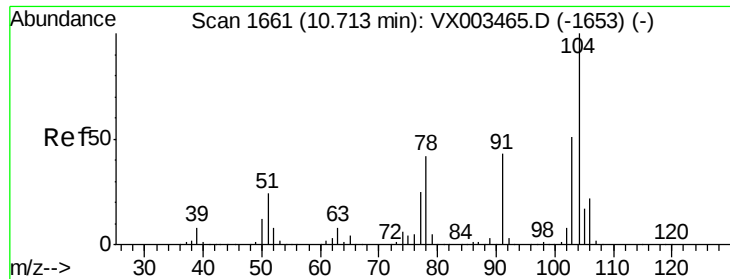
MMDadoda
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#69
o-Xylene
Concen: 50.97 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion:106 Resp: 286226
Ion Ratio Lower Upper
106 100
91 208.7 108.2 324.6





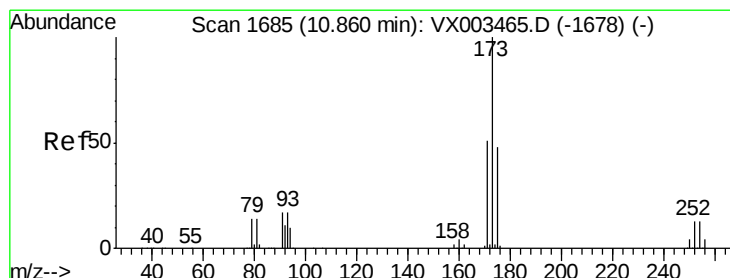
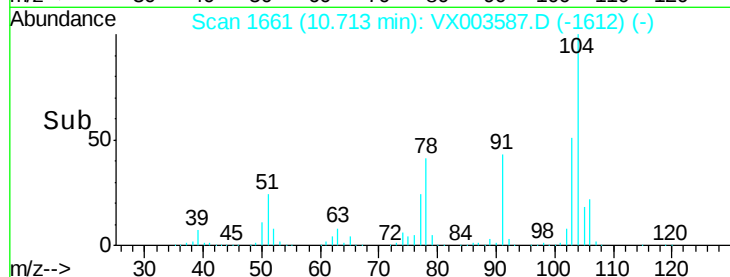
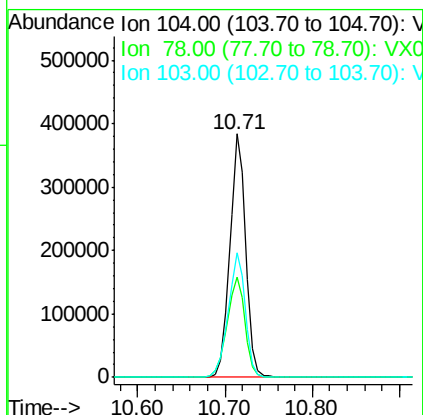
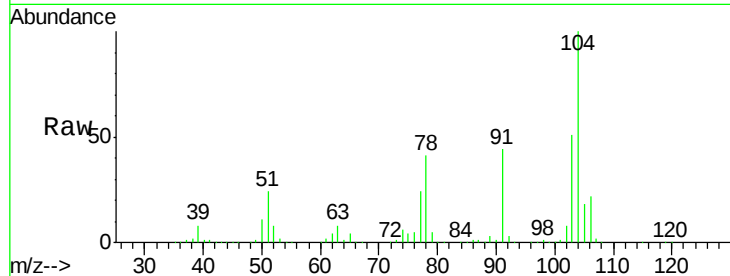
#70
Stvrene
Concen: 52.37 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.2	41.0	61.6
103	55.2	44.2	66.4

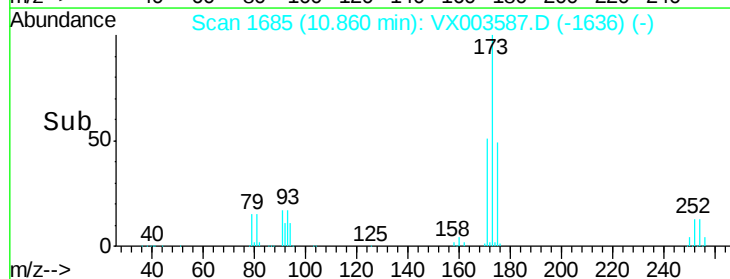
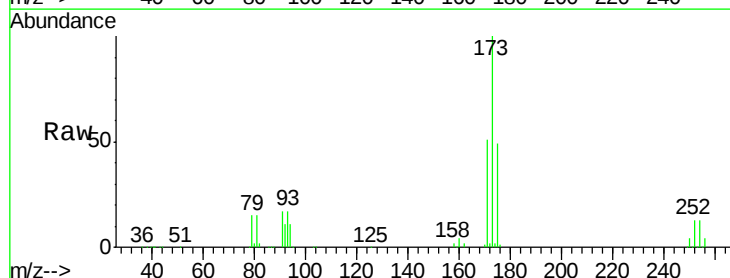
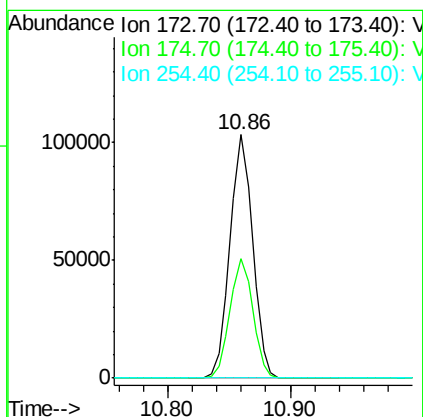
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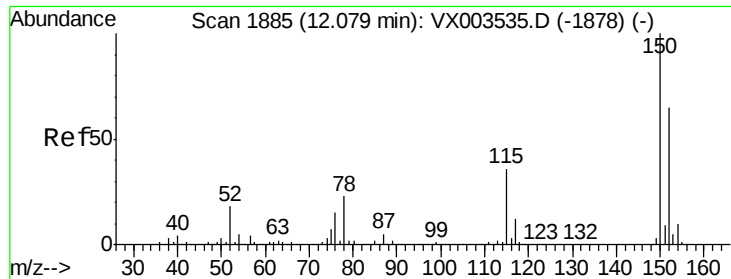
MMDadoda
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#71
Bromoform
Concen: 53.78 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.7	74.1
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

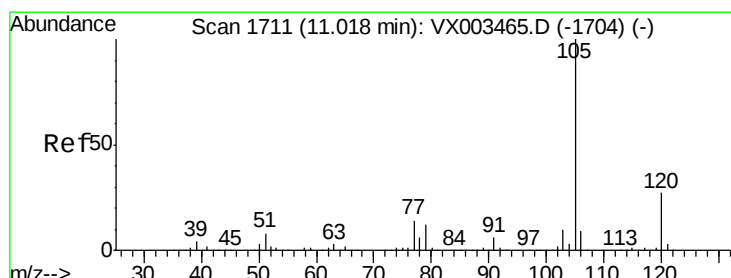
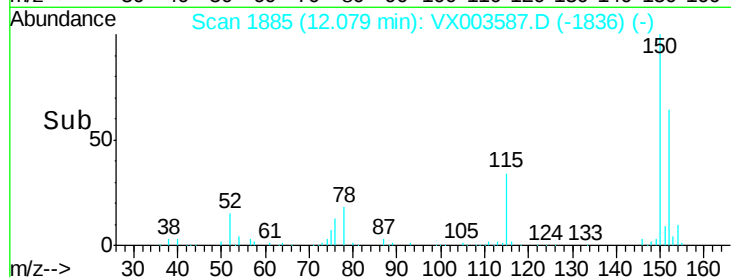
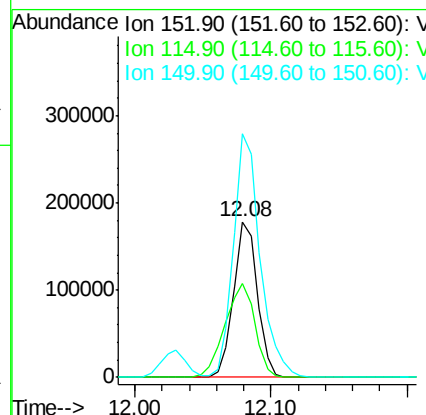
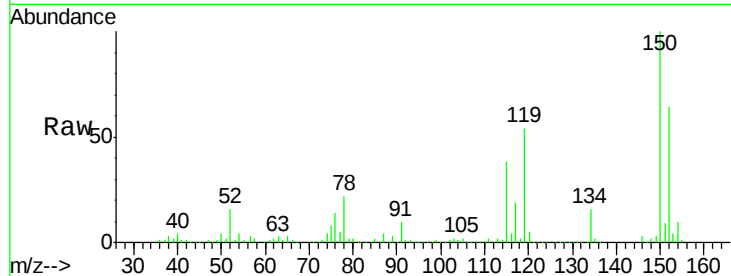
ClientSampleId :

KY030LC068-W-180716MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	75.7	40.1	120.2
150	175.2	0.0	347.2

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#73

Isopropylbenzene

Concen: 50.77 ug/l

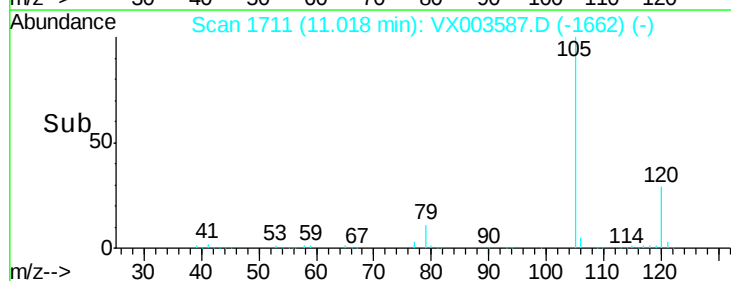
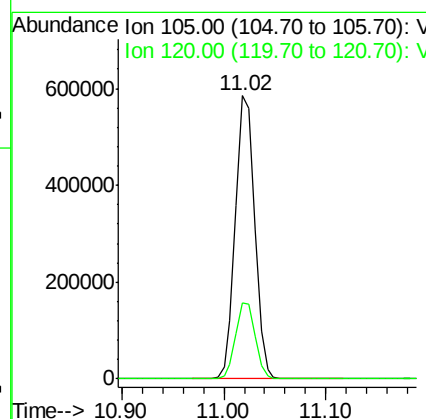
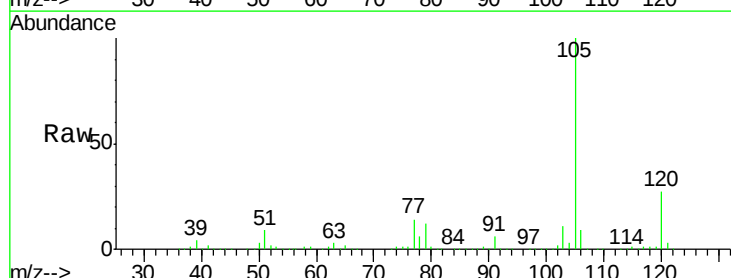
RT: 11.02 min Scan# 1711

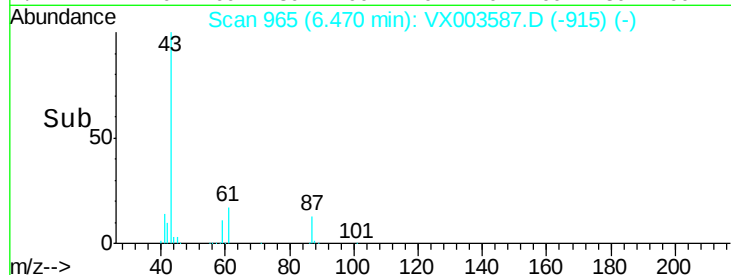
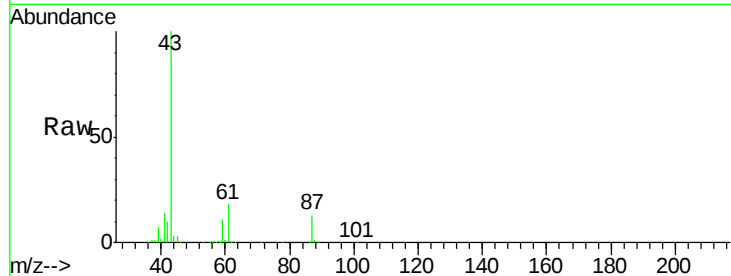
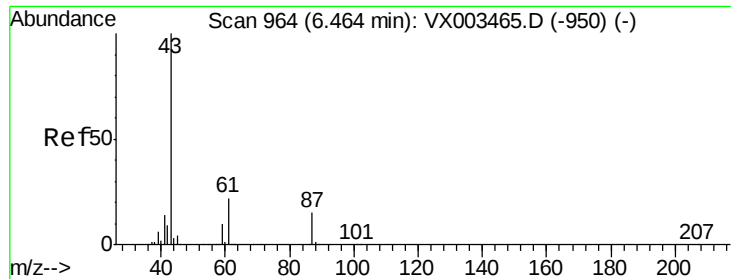
Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.4





#74

N-amvl acetate

Concen: 45.02 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tot Ion	Ratio	Resp	Lower	Upper
43	100	286637		
70	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0
61	21.5	14.4	21.6	

Instrument :

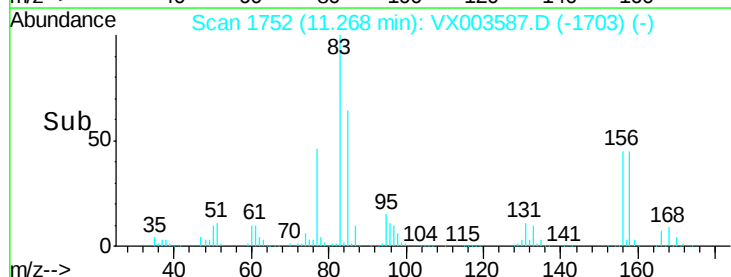
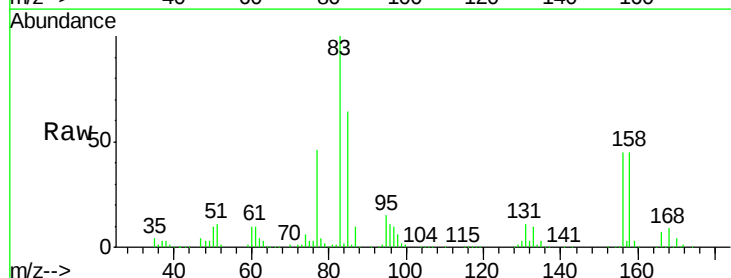
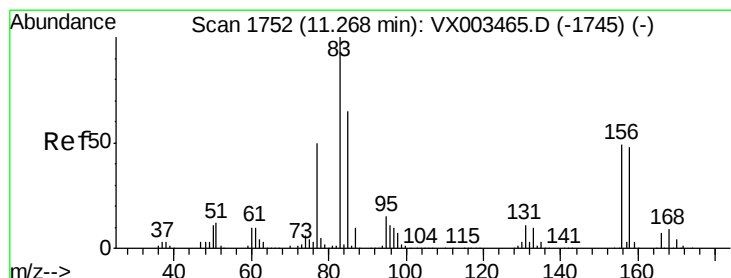
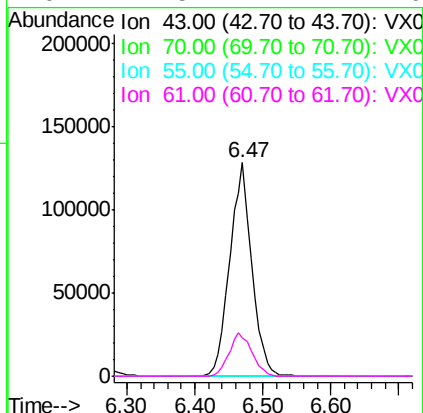
MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

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#75

1,1,2,2-Tetrachloroethane

Concen: 49.95 ug/l

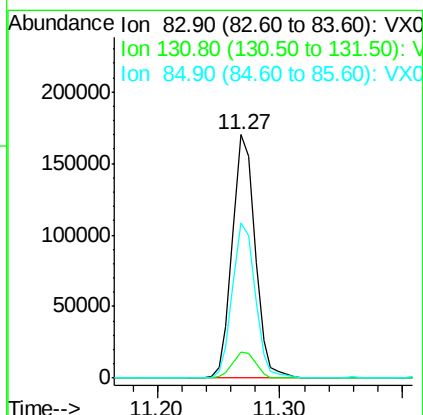
RT: 11.27 min Scan# 1752

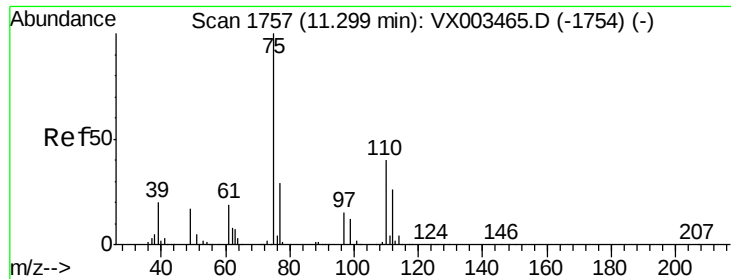
Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	219490		
131	11.1	5.6	16.8	
85	64.1	32.4	97.2	





#76

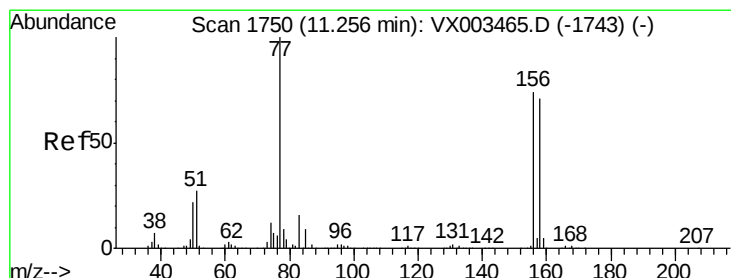
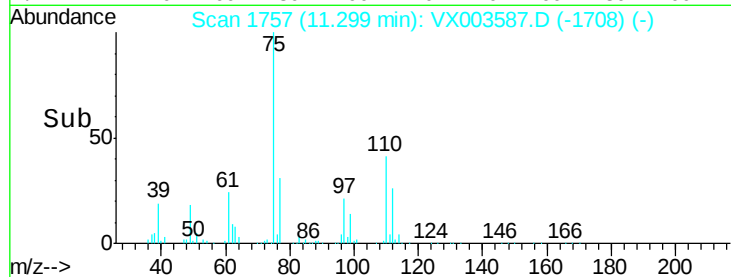
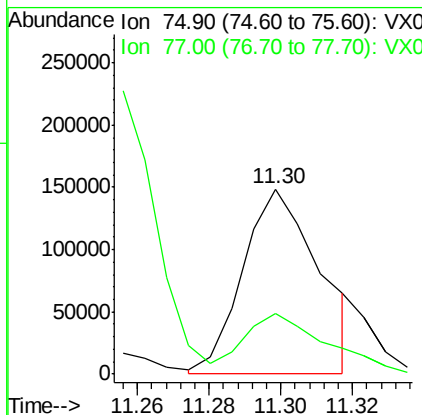
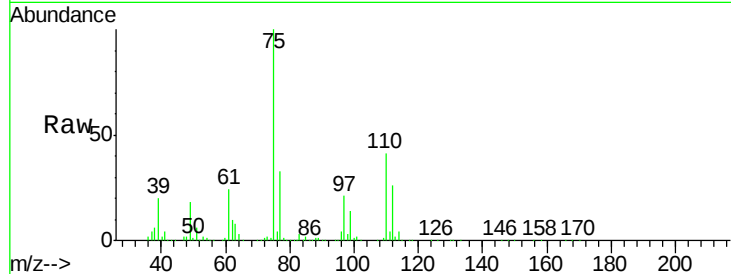
1,2,3-Trichloropropane
Concen: 56.12 ug/l m
RT: 11.30 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion: 75 Resp: 218565
Ion Ratio Lower Upper
75 100
77 35.9 22.8 68.3

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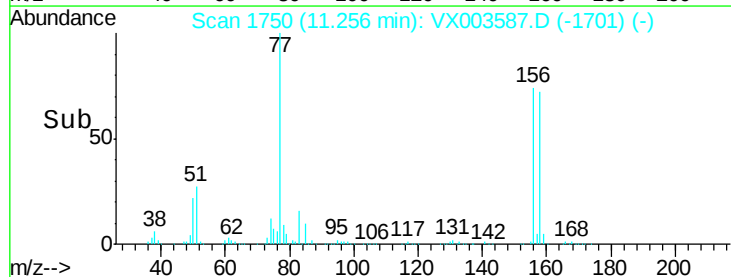
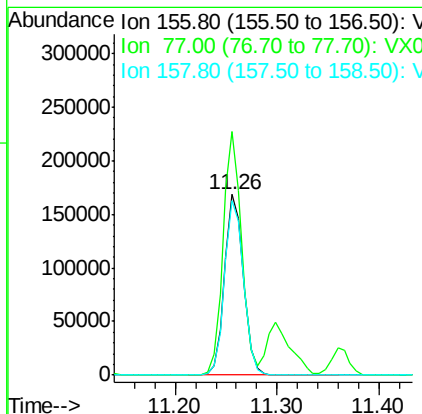
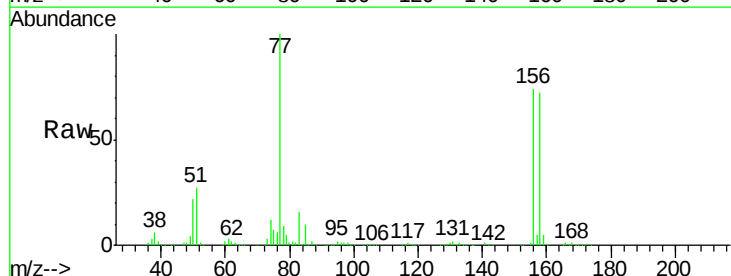
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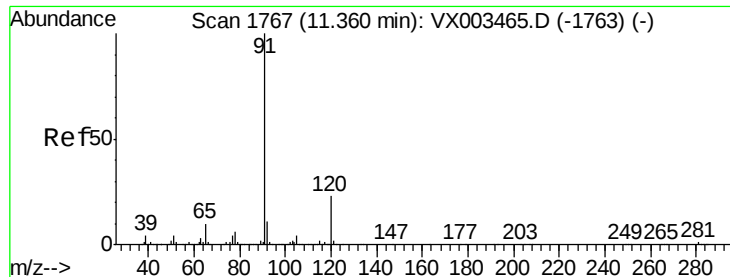


#77

Bromobenzene
Concen: 49.81 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion: 156 Resp: 214812
Ion Ratio Lower Upper
156 100
77 132.9 71.4 214.2
158 98.1 48.9 146.6





#78

n-propylbenzene

Concen: 50.52 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

Tot Ion: 91 Resp: 842075

Ion Ratio Lower Upper

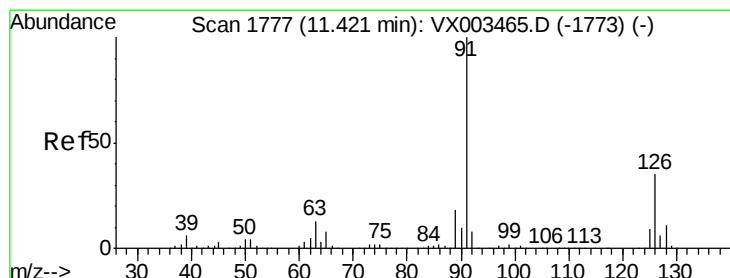
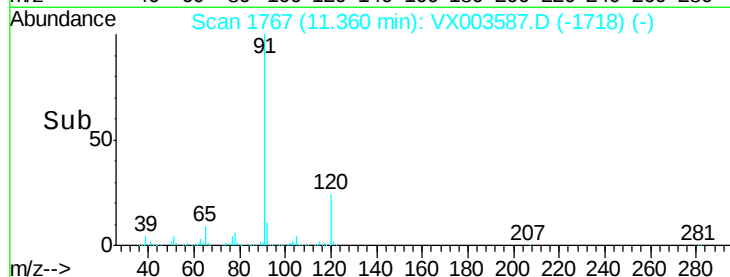
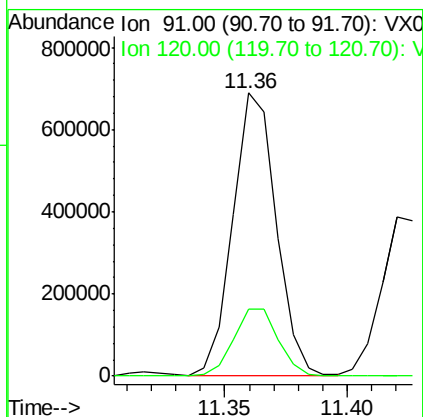
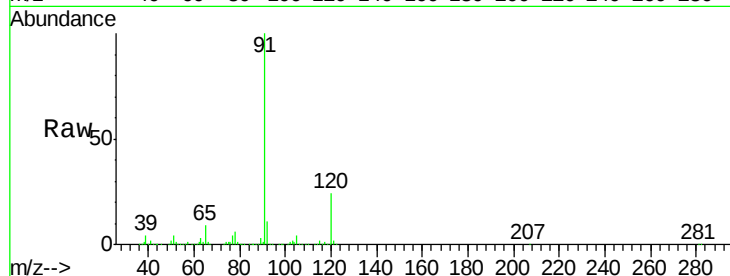
91 100

120 24.7 11.8 35.4

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#79

2-Chlorotoluene

Concen: 50.12 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003587.D

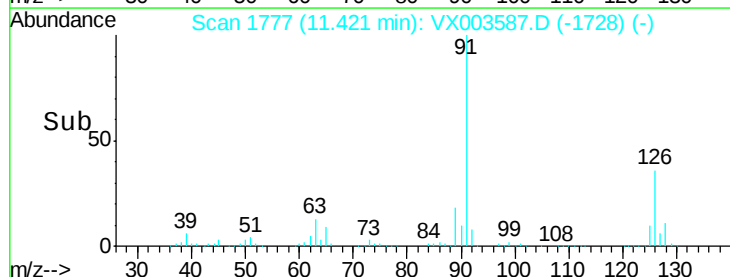
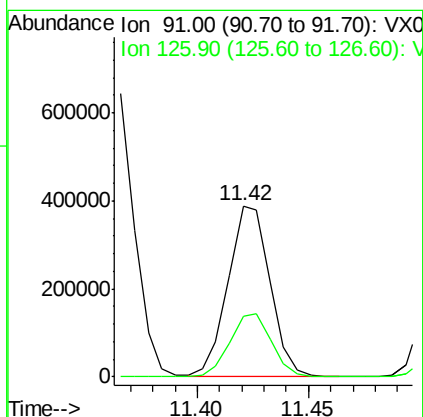
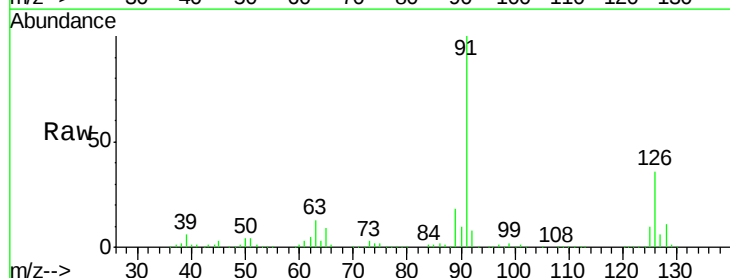
Acq: 22 Jul 2018 06:47

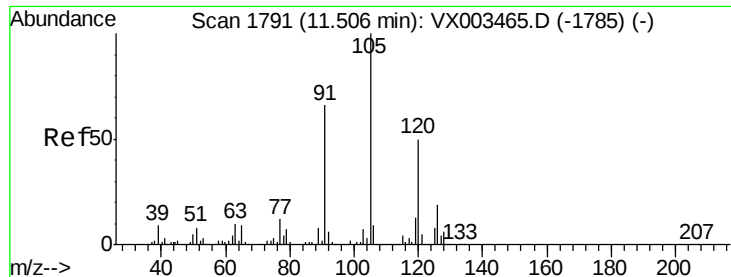
Tgt Ion: 91 Resp: 507135

Ion Ratio Lower Upper

91 100

126 36.7 17.7 53.1





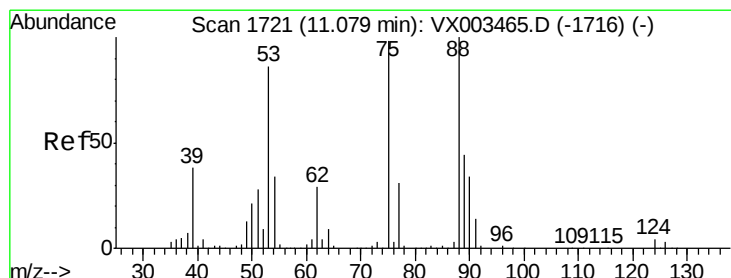
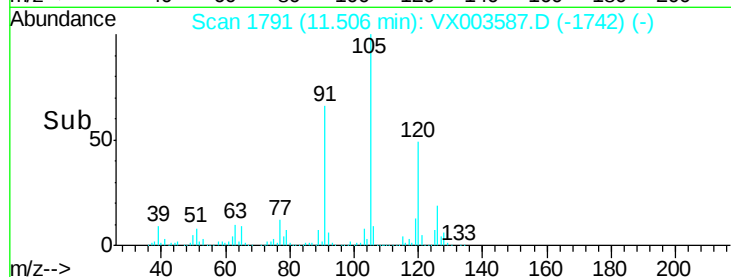
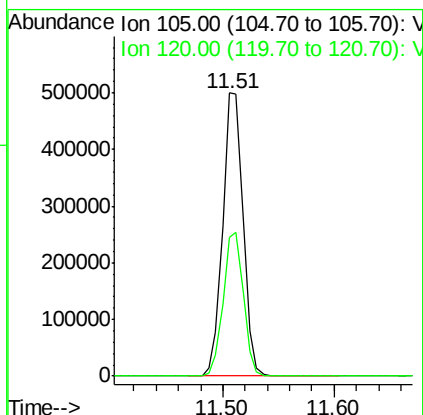
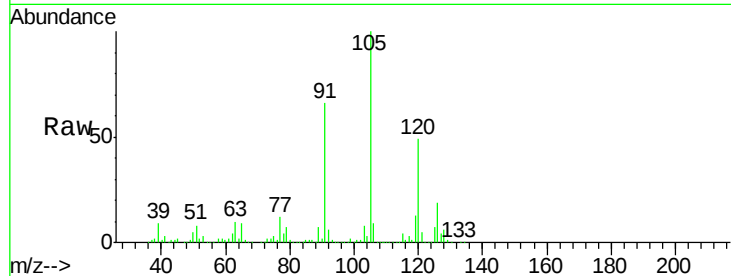
#80
 1,3,5-Trimethylbenzene
 Concen: 51.26 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-W-180716MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.1	24.4	73.4

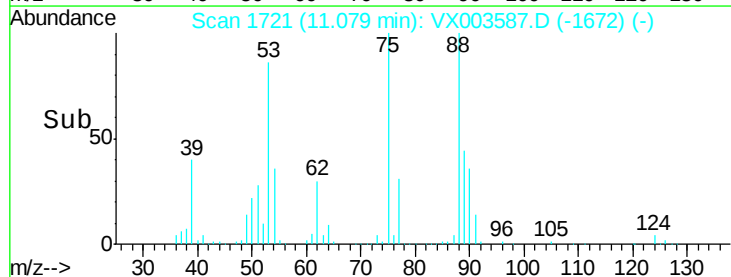
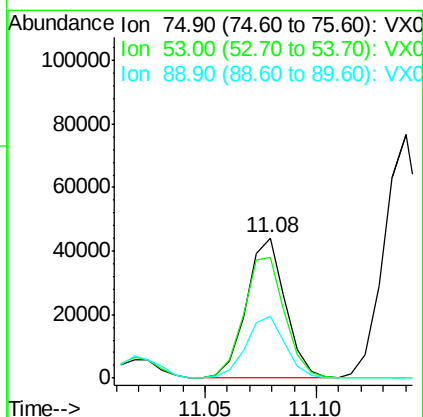
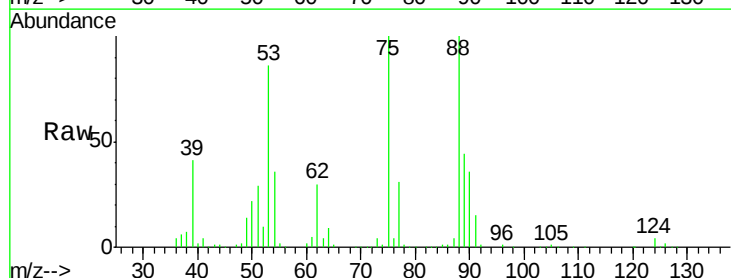
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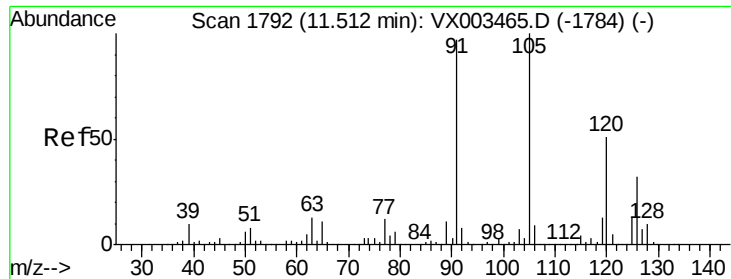
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 39.58 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.6	86.8	130.2
89	45.1	38.2	57.2





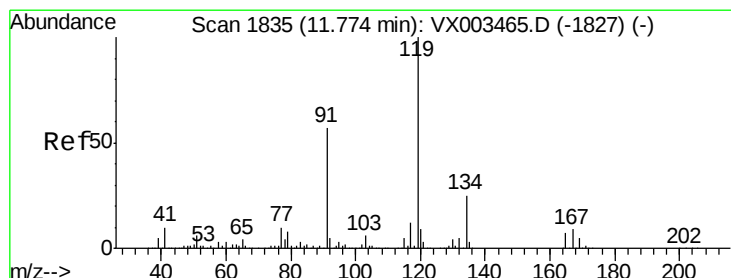
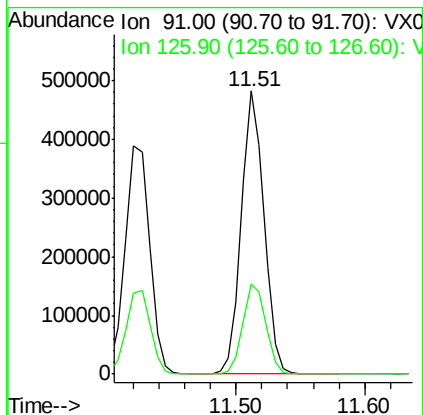
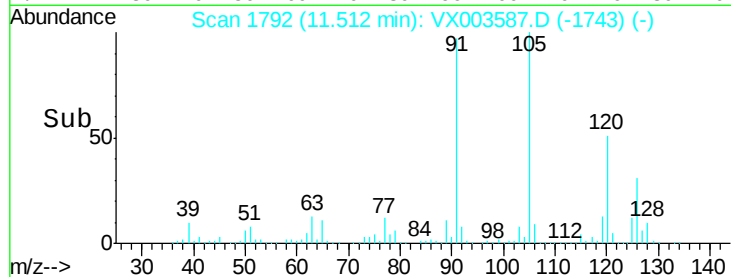
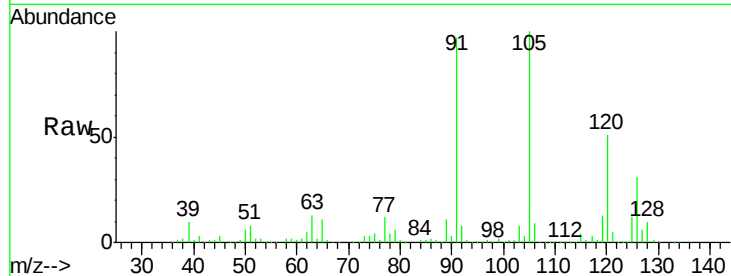
#82
4-Chlorotoluene
Concen: 49.53 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion: 91 Resp: 587200
Ion Ratio Lower Upper
91 100
126 32.4 15.4 46.4

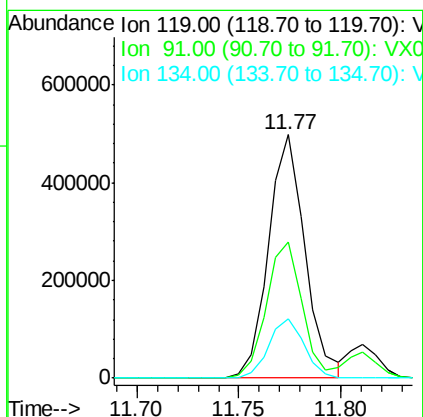
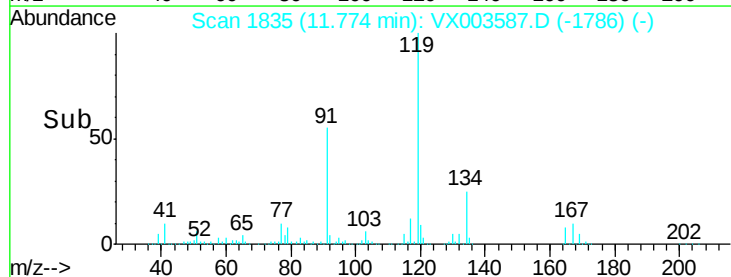
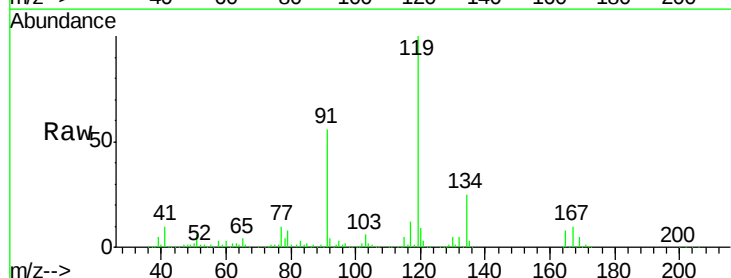
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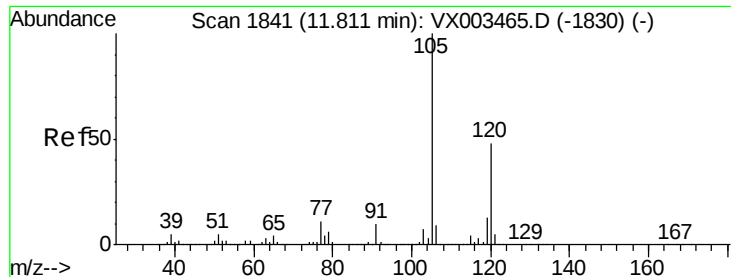
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#83
tert-Butylbenzene
Concen: 51.25 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion: 119 Resp: 618459
Ion Ratio Lower Upper
119 100
91 54.6 30.3 90.9
134 23.9 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 51.63 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716MS

Tot Ion:105 Resp: 647329

Ion Ratio Lower Upper

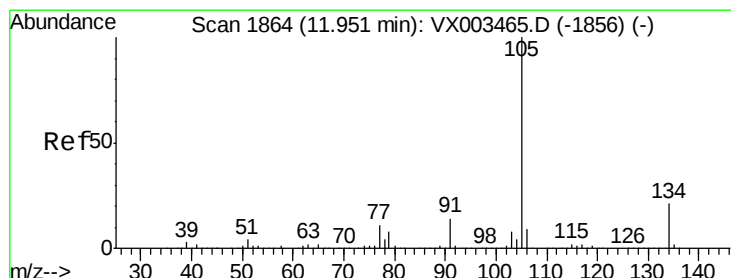
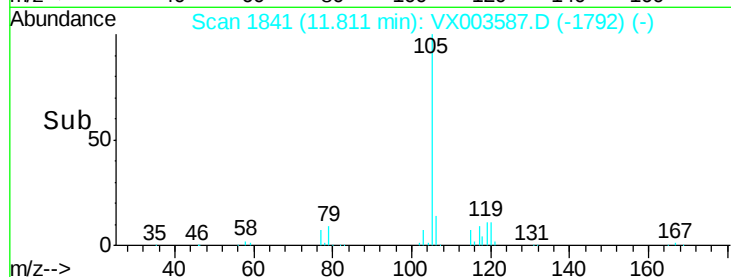
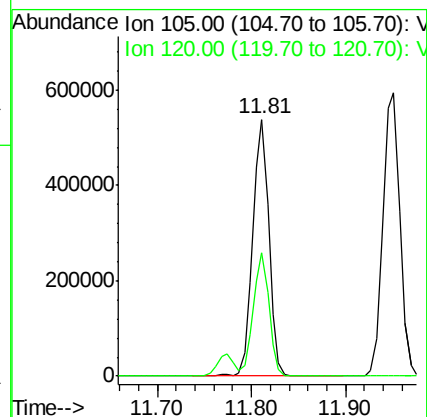
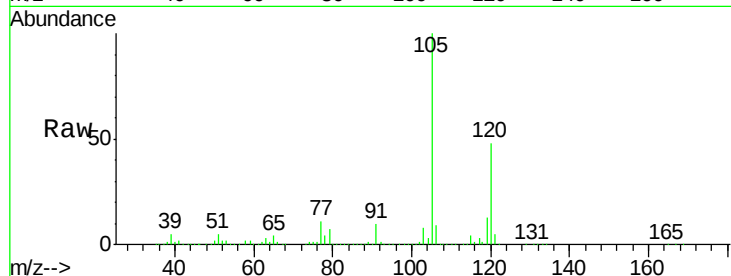
105 100

120 46.6 22.3 66.8

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#85

sec-Butylbenzene

Concen: 50.26 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003587.D

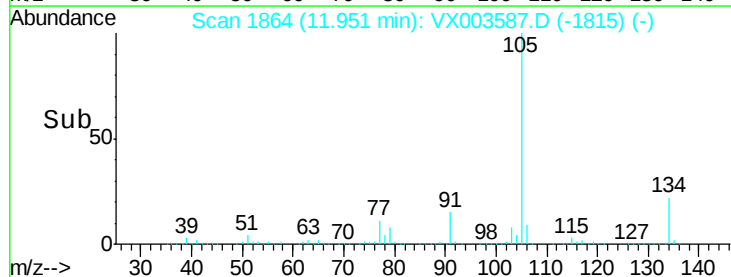
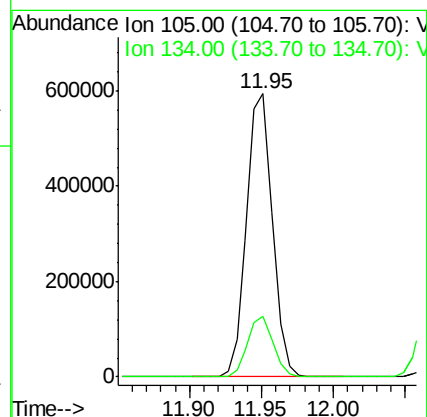
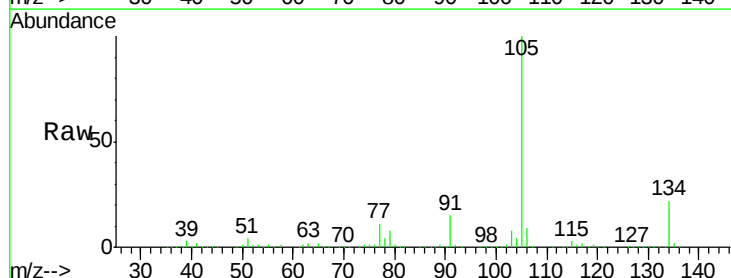
Acq: 22 Jul 2018 06:47

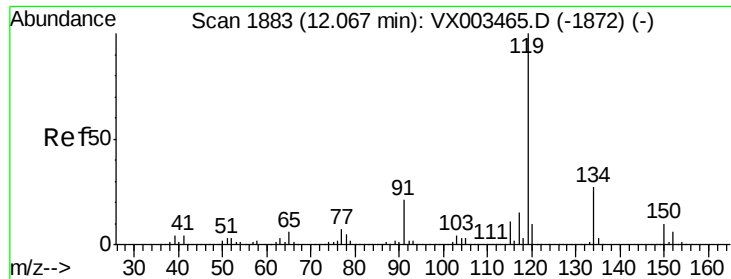
Tgt Ion:105 Resp: 736639

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.1





#86

p-Isopropyltoluene

Concen: 50.39 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

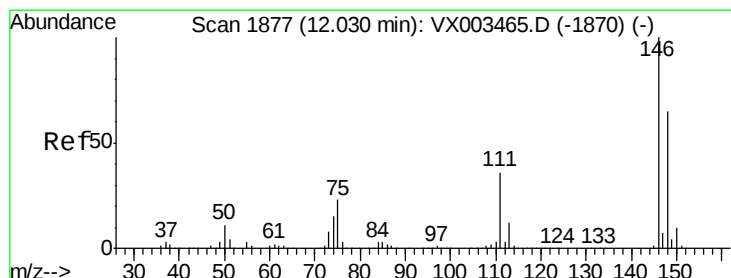
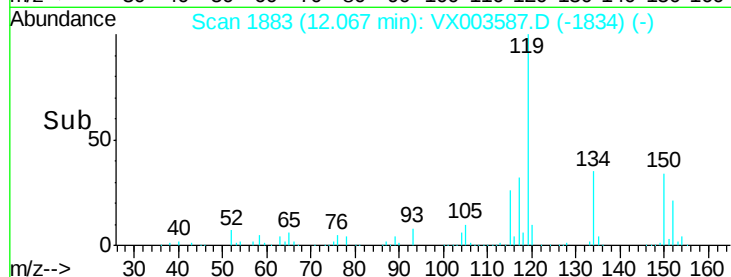
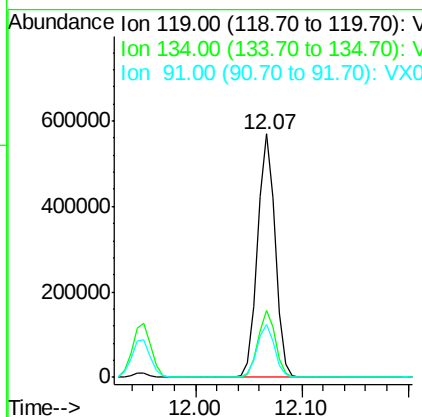
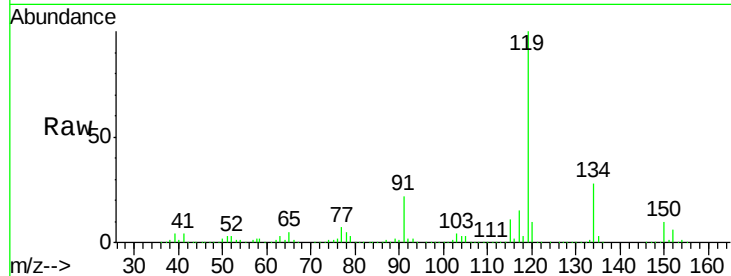
ClientSampleId :

KY030LC068-W-180716MS

Tot Ion:	119	Resp:	662914
Ion Ratio	Lower	Upper	
119	100		
134	27.1	13.4	40.1
91	21.5	11.9	35.7

Manual Integrations
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#87

1,3-Dichlorobenzene

Concen: 48.41 ug/l

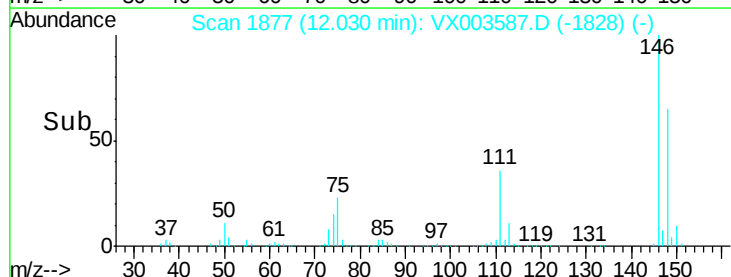
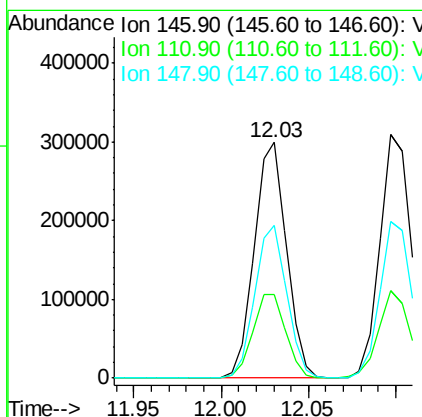
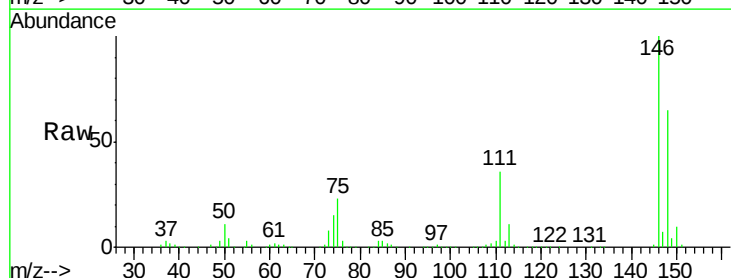
RT: 12.03 min Scan# 1877

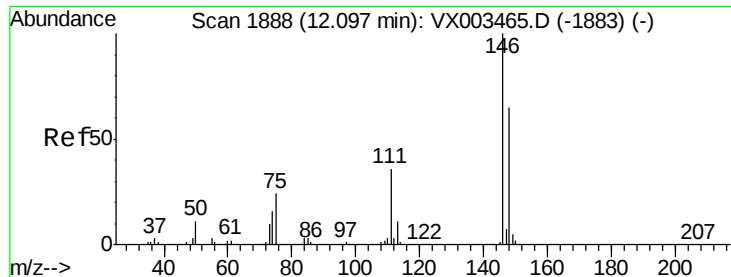
Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tgt Ion:	146	Resp:	383733
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.9	56.7
148	64.3	32.1	96.3





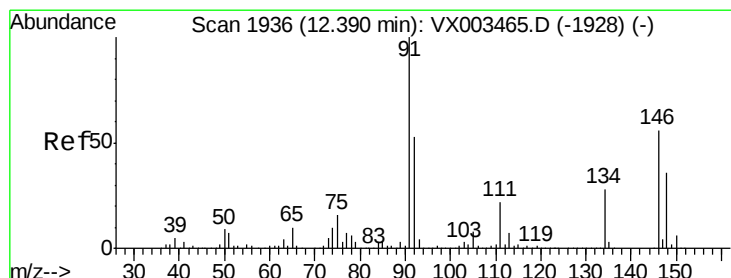
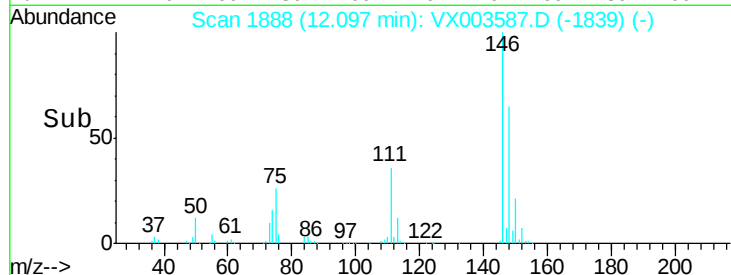
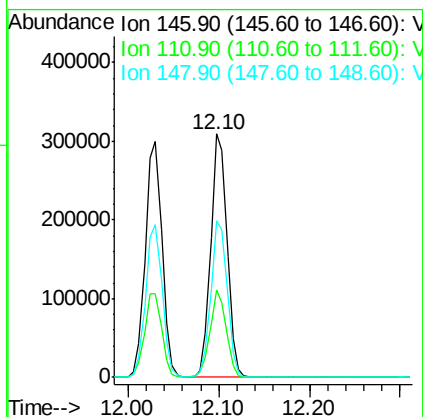
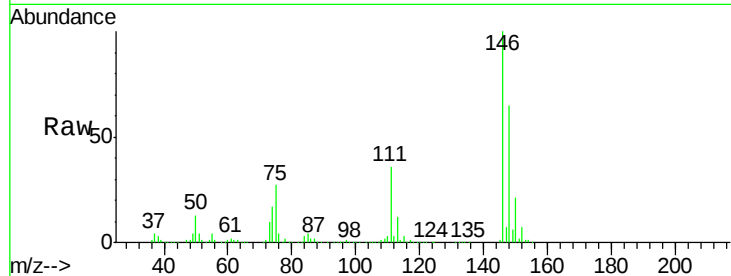
#88
 1,4-Dichlorobenzene
 Concen: 47.34 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-W-180716MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.7	56.1
148	64.8	32.4	97.0

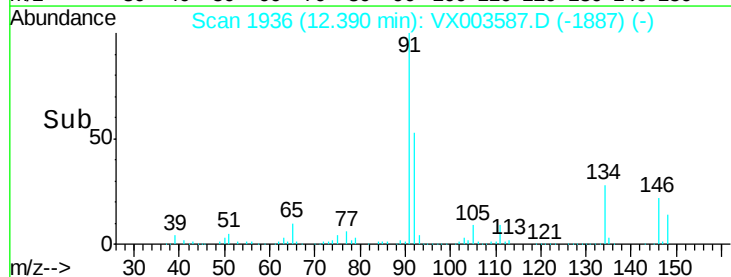
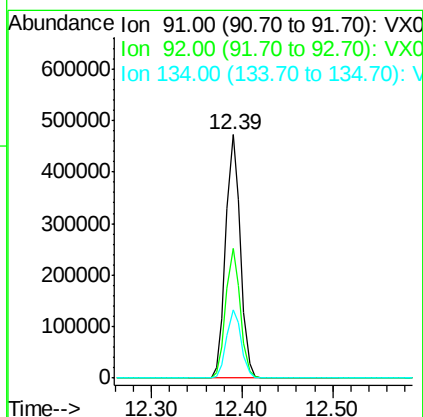
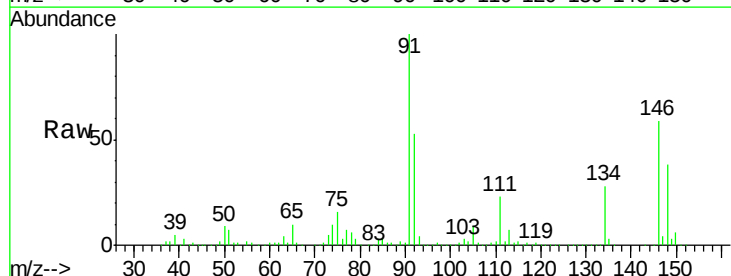
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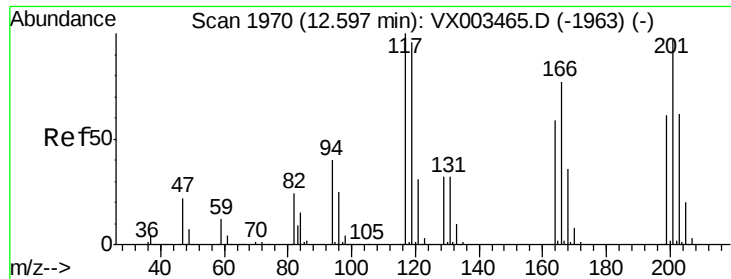
MMDadoda
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#89
 n-Butylbenzene
 Concen: 47.50 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.0	78.0
134	28.3	13.5	40.5





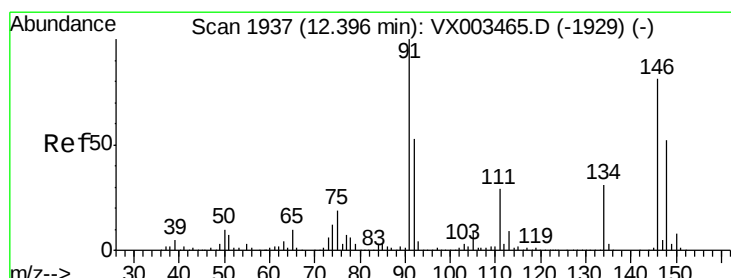
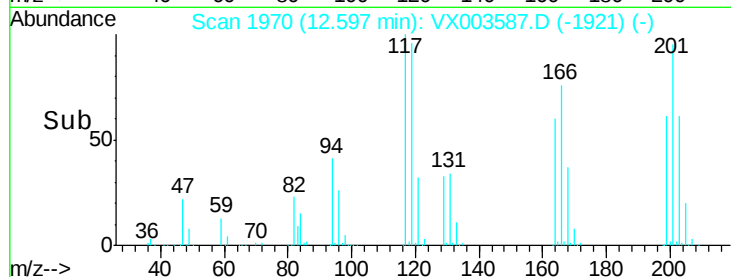
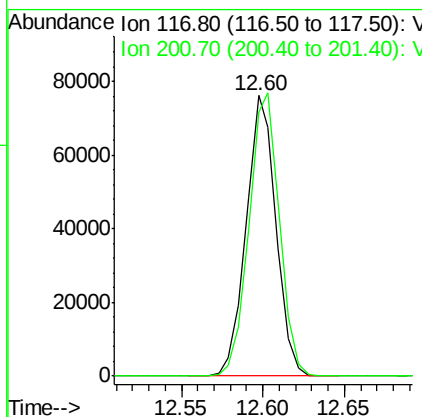
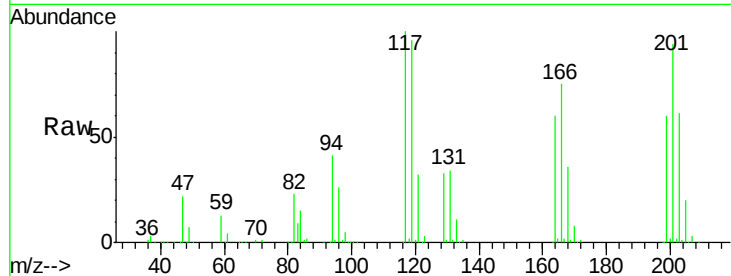
#90
Hexachloroethane
Concen: 51.75 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716MS

Tot Ion:117 Resp: 96779
Ion Ratio Lower Upper
117 100
201 102.6 49.0 147.0

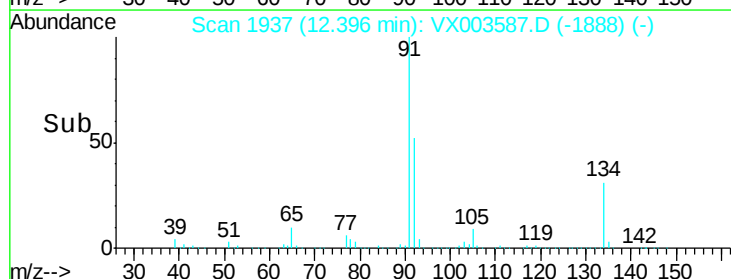
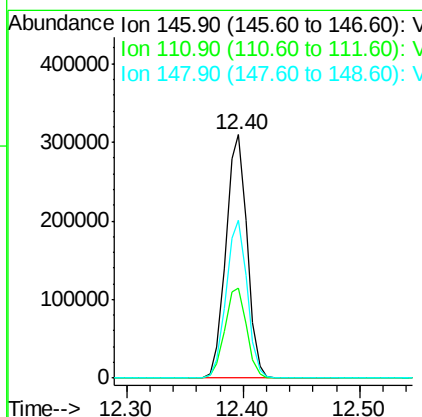
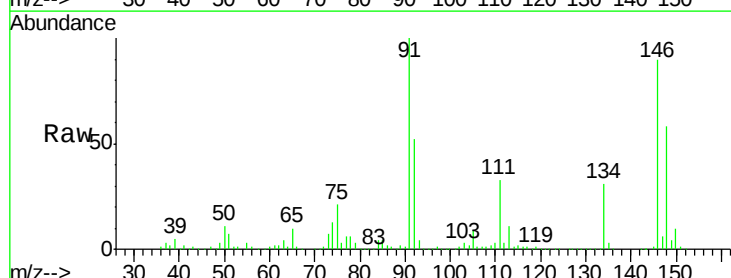
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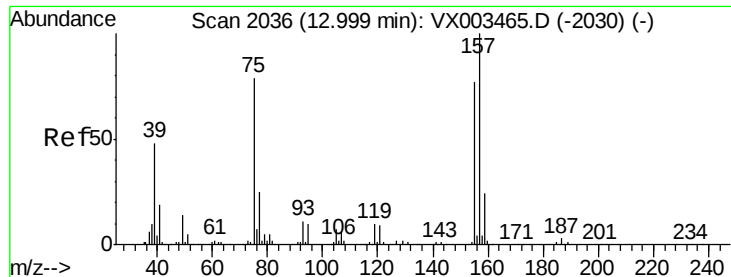
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#91
1,2-Dichlorobenzene
Concen: 49.90 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003587.D
Acq: 22 Jul 2018 06:47

Tgt Ion:146 Resp: 389885
Ion Ratio Lower Upper
146 100
111 37.7 19.4 58.1
148 64.2 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.15 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

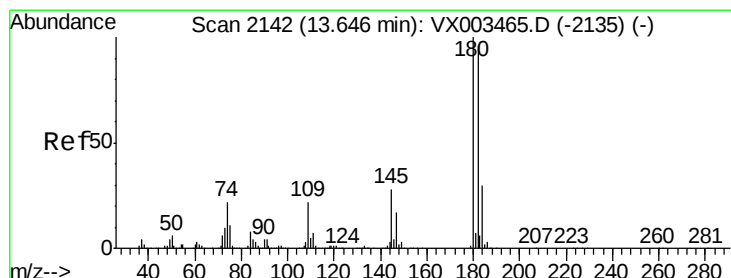
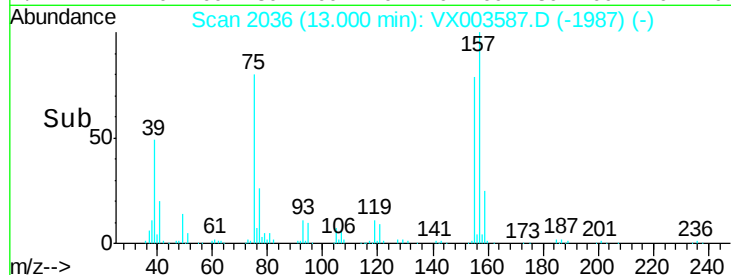
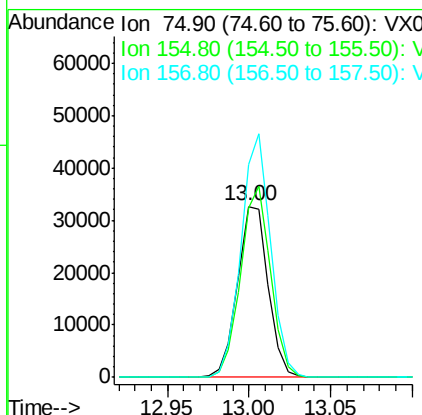
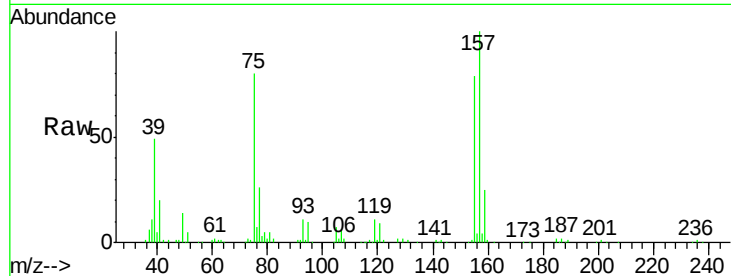
ClientSampleId :

KY030LC068-W-180716MS

Tot Ion:	75	Resp:	42882
Ion Ratio	Lower	Upper	
75	100		
155	108.4	45.8	137.4
157	136.9	60.1	180.3

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 47.57 ug/l

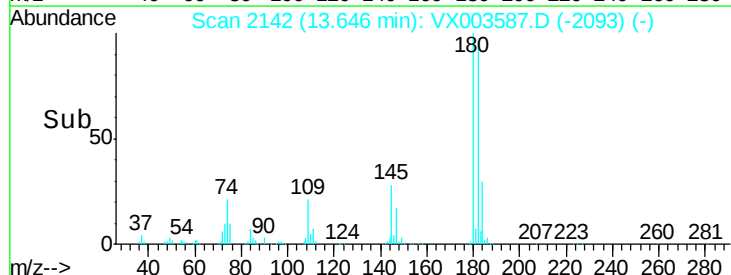
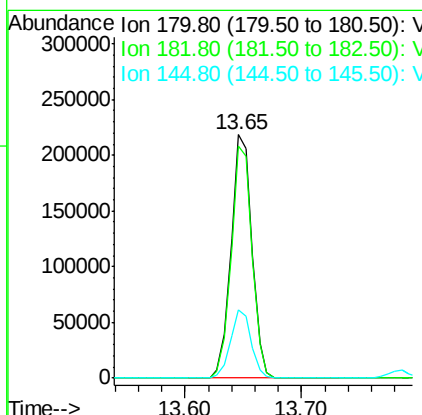
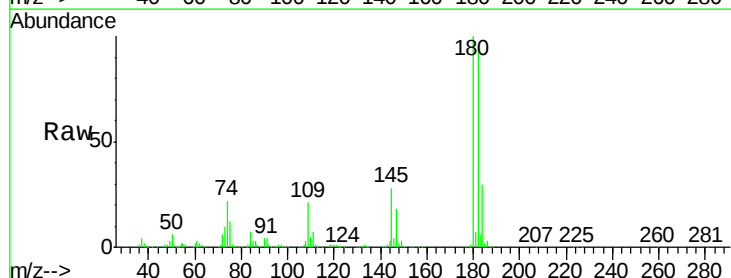
RT: 13.65 min Scan# 2142

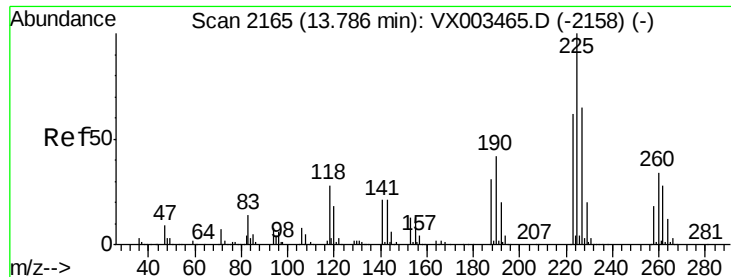
Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tgt Ion:	180	Resp:	272398
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.7	143.1
145	27.4	14.1	42.4





#94

Hexachlorobutadiene

Concen: 45.95 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA_X

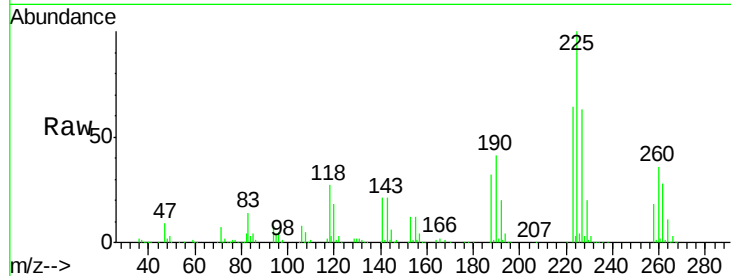
ClientSampleId :

KY030LC068-W-180716MS

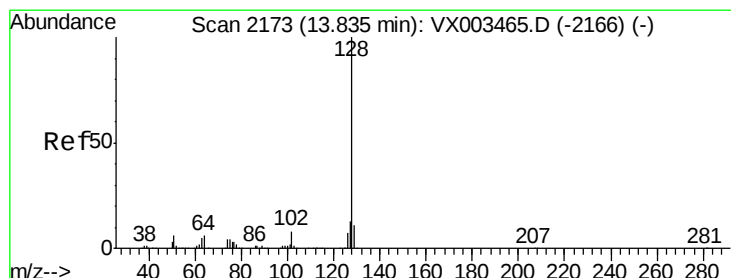
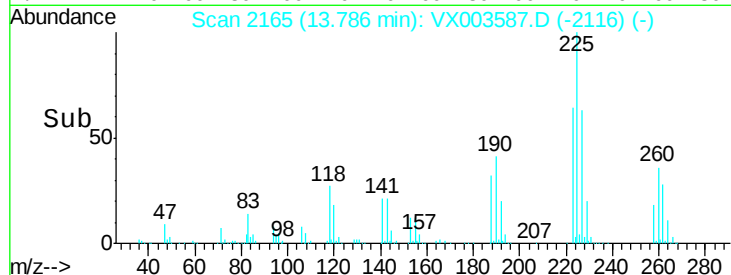
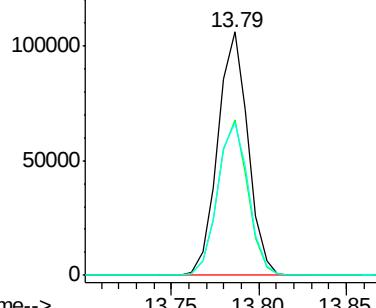
Tot Ion:	225	Resp:	126538
Ion Ratio		Lower	Upper
225	100		
223	63.5	31.6	95.0
227	64.6	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
7/23/2018 3:20:02 PM



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



#95

Naphthalene

Concen: 51.79 ug/l

RT: 13.83 min Scan# 2173

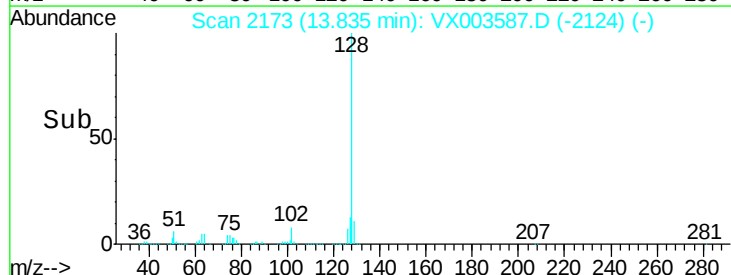
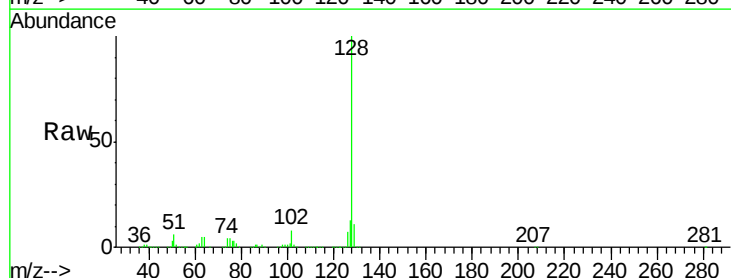
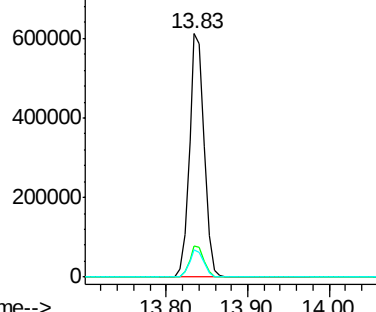
Delta R.T. 0.00 min

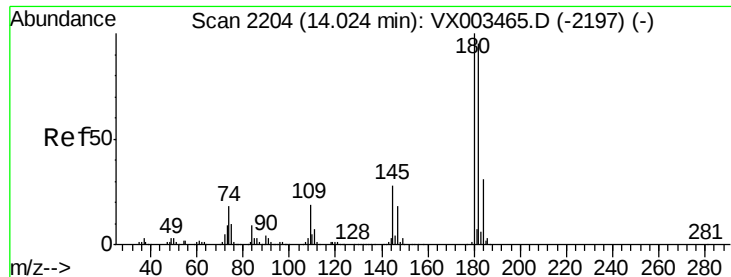
Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tgt Ion:	128	Resp:	779274
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.9	8.6	13.0

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: 49.62 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003587.D
 Acq: 22 Jul 2018 06:47

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-W-180716MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.9	48.0	144.0
145	29.1	14.8	44.3

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 3:20:02 PM

