

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004156.D
 Acq On : 20 Aug 2018 16:42
 Operator : JC/MD
 Sample : J4541-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:16:50 AM

Quant Time: Aug 21 02:00:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	304727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	444905	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	435023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	266045	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	210906	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	5.50	113	178568	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
50) Toluene-d8	8.72	98	682427	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.14	95	252259	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	136284	45.94	ug/l	99
3) Chloromethane	1.32	50	170135	46.74	ug/l	99
4) Vinyl Chloride	1.40	62	211415	53.68	ug/l	96
5) Bromomethane	1.64	94	87131	43.63	ug/l	99
6) Chloroethane	1.71	64	132412	51.15	ug/l	96
7) Trichlorofluoromethane	1.92	101	259833	47.03	ug/l	99
8) Diethyl Ether	2.19	74	115661	47.95	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	160293	46.51	ug/l	100
10) Methyl Iodide	2.51	142	162274	44.67	ug/l	100
11) Tert butyl alcohol	3.07	59	185299	214.32	ug/l	99
12) 1,1-Dichloroethene	2.37	96	152783	47.66	ug/l	96
13) Acrolein	2.29	56	139728	238.72	ug/l	98
14) Allyl chloride	2.73	41	286382	46.95	ug/l	96
15) Acrylonitrile	3.15	53	506827	235.11	ug/l	99
16) Acetone	2.45	43	498478	223.31	ug/l	100
17) Carbon Disulfide	2.56	76	415620	45.71	ug/l	100
18) Methyl Acetate	2.78	43	241013	48.59	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	545139	48.27	ug/l	100
20) Methylene Chloride	2.85	84	181677	49.79	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	173515	47.66	ug/l	95
22) Diisopropyl ether	3.87	45	551909	46.18	ug/l	97
23) Vinyl Acetate	3.82	43	2170317	221.08	ug/l	99
24) 1,1-Dichloroethane	3.69	63	308299	45.54	ug/l	98
25) 2-Butanone	4.70	43	805252	221.71	ug/l	99
26) 2,2-Dichloropropane	4.58	77	225266	41.85	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	213822	52.23	ug/l	96
28) Bromochloromethane	5.02	49	154593	49.77	ug/l	98
29) Tetrahydrofuran	5.16	42	412696	222.40	ug/l	100
30) Chloroform	5.21	83	324296	49.08	ug/l	98
31) Cyclohexane	5.57	56	271798	45.80	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	271364	49.15	ug/l	98
36) 1,1-Dichloropropene	5.80	75	238785	47.17	ug/l	100
37) Ethyl Acetate	4.86	43	233175	42.29	ug/l	100
38) Carbon Tetrachloride	5.78	117	239548	48.70	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	273882	47.69	ug/l	99
40) Benzene	6.14	78	739668	48.66	ug/l	100
41) Methacrylonitrile	5.06	41	139378	45.14	ug/l	99
42) 1,2-Dichloroethane	6.20	62	252337	47.42	ug/l	100
43) Isopropyl Acetate	6.46	43	371024	45.66	ug/l	100
44) Trichloroethene	7.21	130	197291	47.80	ug/l	91
45) 1,2-Dichloropropane	7.52	63	183250	47.09	ug/l	97
46) Dibromomethane	7.66	93	124715	49.04	ug/l	99
47) Bromodichloromethane	7.90	83	240862	50.01	ug/l	99
48) Methyl methacrylate	7.78	41	203659	49.79	ug/l	98
49) 1,4-Dioxane	7.76	88	81797	888.13	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1657588	248.77	ug/l	100
52) Toluene	8.79	92	475650	49.47	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	266035	51.13	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	278079	48.26	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	192732	48.54	ug/l	97
56) Ethyl methacrylate	9.18	69	280309	51.92	ug/l	100
57) 1,3-Dichloropropane	9.37	76	325529	49.42	ug/l	100
59) 2-Hexanone	9.50	43	1251737	249.61	ug/l	100
60) Dibromochloromethane	9.59	129	194379	50.87	ug/l	100
61) 1,2-Dibromoethane	9.67	107	199011	49.17	ug/l	100
64) Tetrachloroethene	9.34	164	177056	42.94	ug/l	96
65) Chlorobenzene	10.14	112	535303	47.64	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	191111	49.86	ug/l	99
67) Ethyl Benzene	10.25	91	892827	50.18	ug/l	99
68) m/p-Xylenes	10.36	106	715099	102.62	ug/l	95
69) o-Xylene	10.70	106	340556	51.14	ug/l	96
70) Styrene	10.71	104	580130	51.76	ug/l	97
71) Bromoform	10.86	173	149576	49.22	ug/l	99
73) Isopropylbenzene	11.02	105	904859	50.26	ug/l	97
74) N-amyl acetate	6.46	43	371024	43.81	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	301746	47.99	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	251696m	47.18	ug/l	
77) Bromobenzene	11.26	156	237531	47.86	ug/l	99
78) n-propylbenzene	11.36	91	993616	49.32	ug/l	99
79) 2-Chlorotoluene	11.42	91	589207	47.99	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	743330	50.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	82554	47.90	ug/l	99
82) 4-Chlorotoluene	11.51	91	720448	49.64	ug/l	100
83) tert-Butylbenzene	11.77	119	772938	52.00	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	789309	51.70	ug/l	100
85) sec-Butylbenzene	11.94	105	902683	51.89	ug/l	100
86) p-Isopropyltoluene	12.07	119	813690	51.67	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	451225	47.67	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	448909	46.08	ug/l	99
89) n-Butylbenzene	12.39	91	686272	55.30	ug/l	98
90) Hexachloroethane	12.60	117	125111	53.09	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	458574	53.72	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	60331	54.60	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	313163	53.66	ug/l	99

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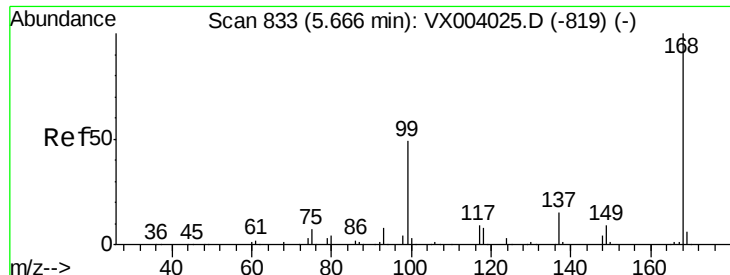
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	141252	48.29	ug/l	98
95) Naphthalene	13.83	128	947954	50.94	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	313957	49.34	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

Tot Ion:168 Resp: 304727

Ion Ratio Lower Upper

168 100

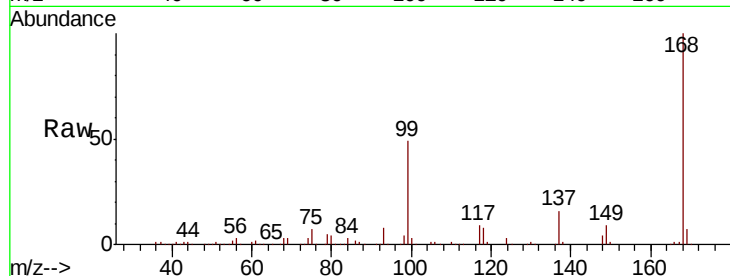
99 48.9 40.1 60.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

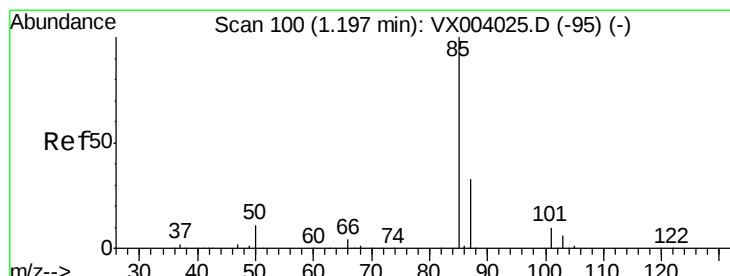
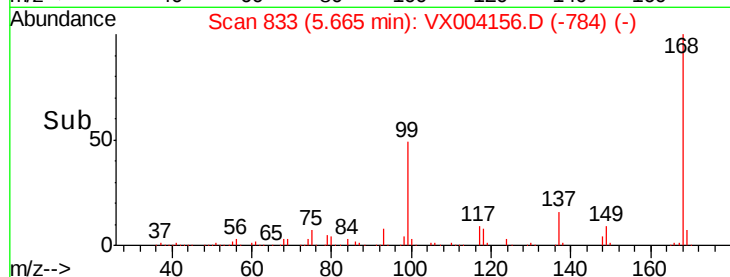
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.94 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004156.D

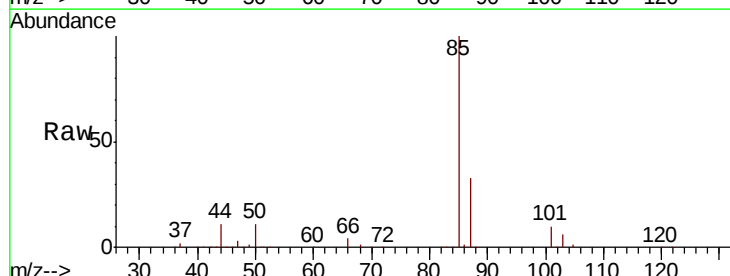
Acq: 20 Aug 2018 16:42

Tgt Ion: 85 Resp: 136284

Ion Ratio Lower Upper

85 100

87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

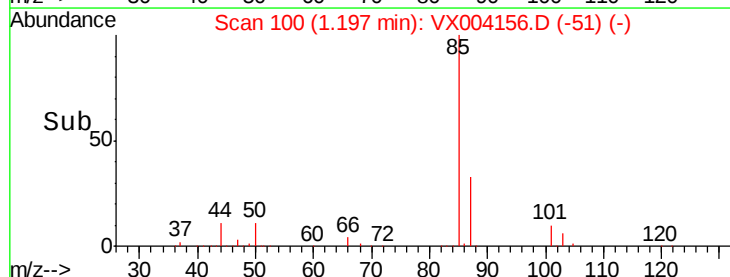
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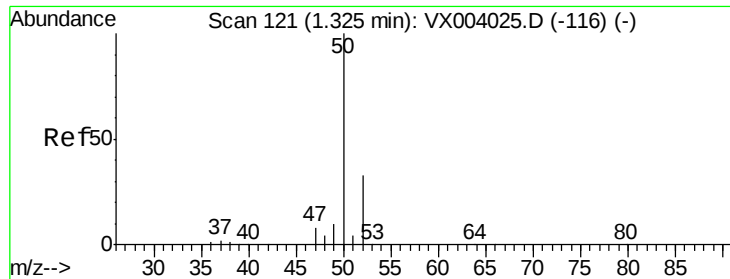
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.74 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

Tot Ion: 50 Resp: 170135

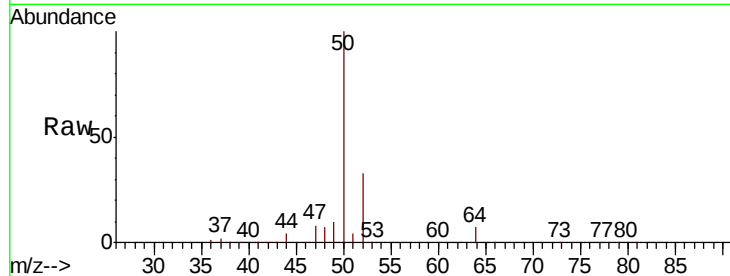
Ion Ratio Lower Upper

50 100

52 32.9 26.6 39.8

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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

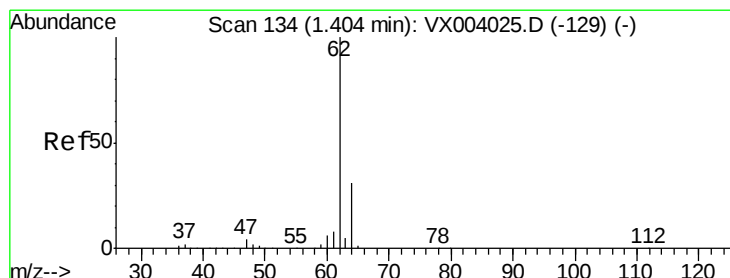
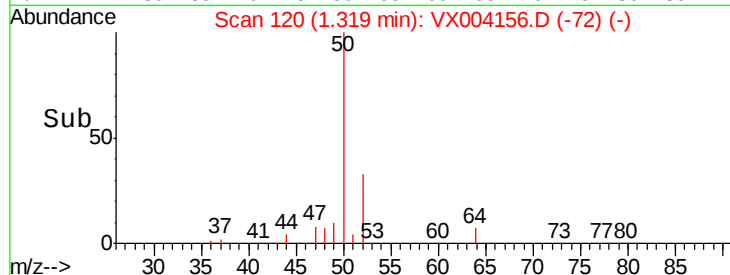
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 53.68 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004156.D

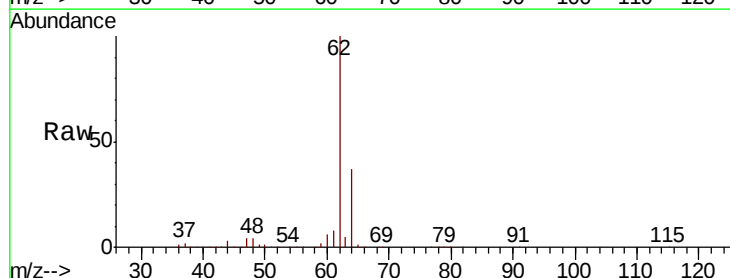
Acq: 20 Aug 2018 16:42

Tgt Ion: 62 Resp: 211415

Ion Ratio Lower Upper

62 100

64 34.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

250000

200000

150000

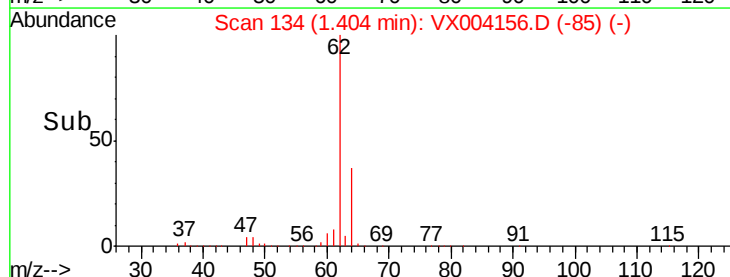
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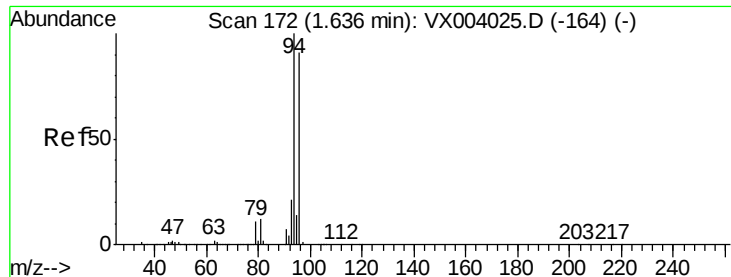
50000

0

1.30 1.40 1.50

Time-->





#5

Bromomethane

Concen: 43.63 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

Tot Ion: 94 Resp: 87131

Ion Ratio Lower Upper

94 100

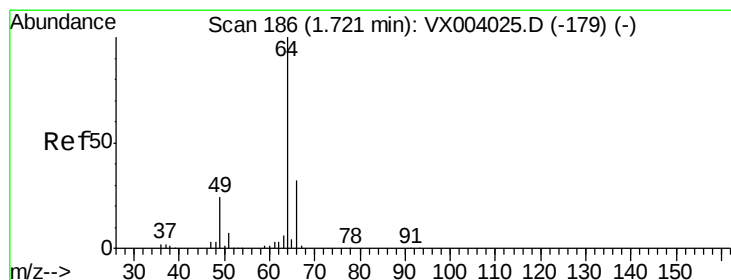
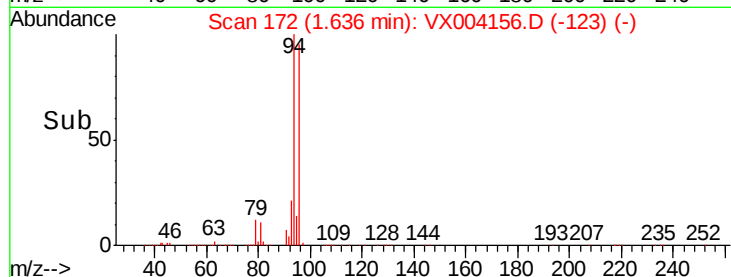
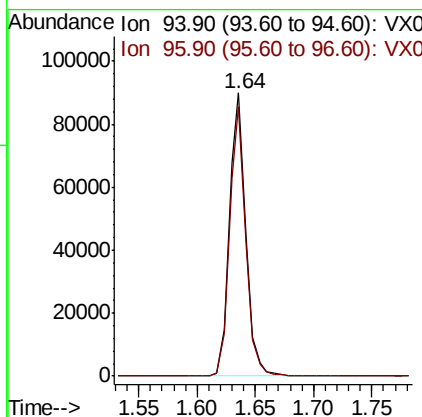
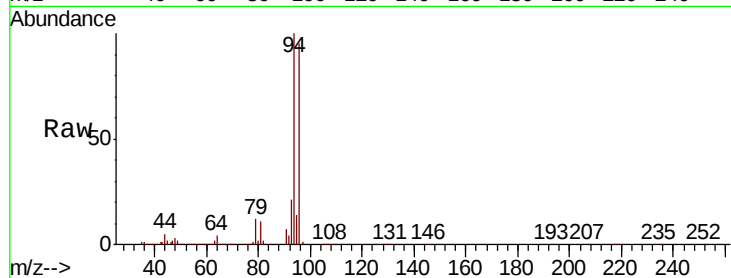
96 95.3 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 51.15 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX004156.D

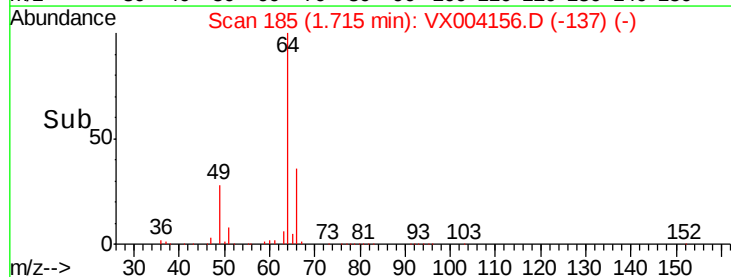
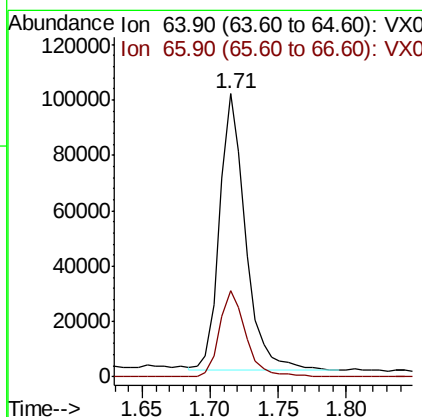
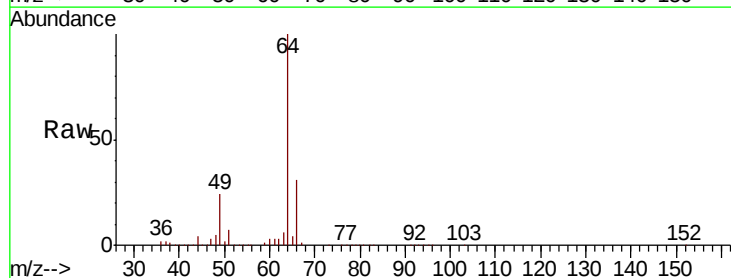
Acq: 20 Aug 2018 16:42

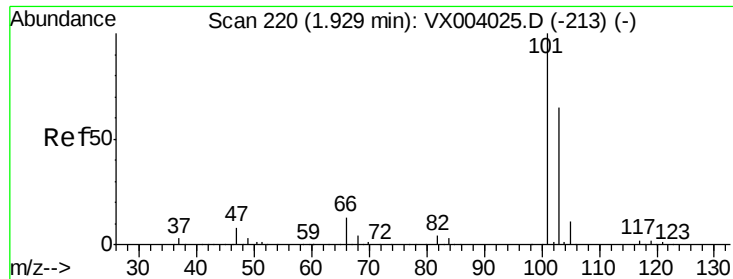
Tgt Ion: 64 Resp: 132412

Ion Ratio Lower Upper

64 100

66 31.0 26.5 39.7





#7

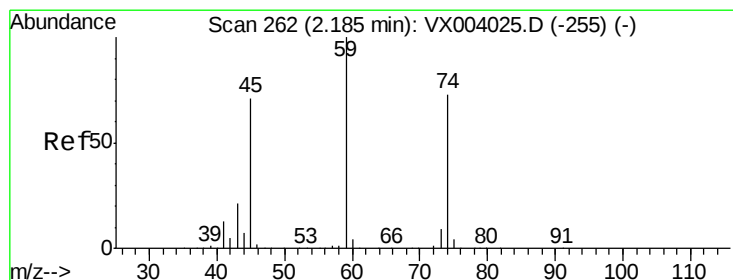
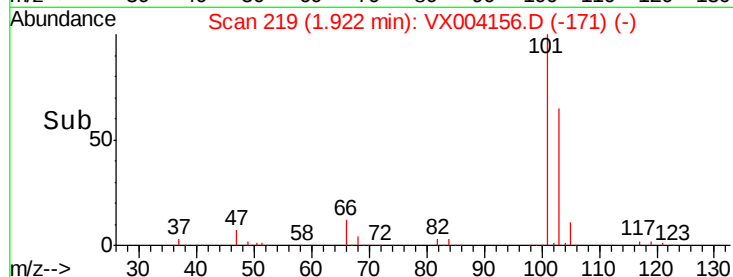
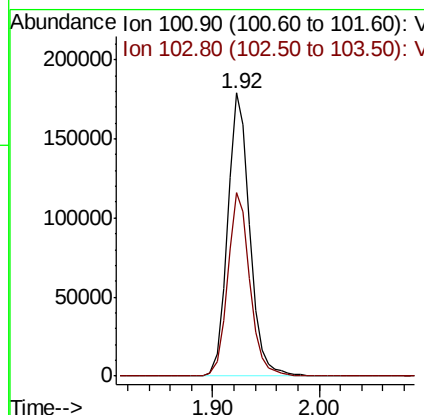
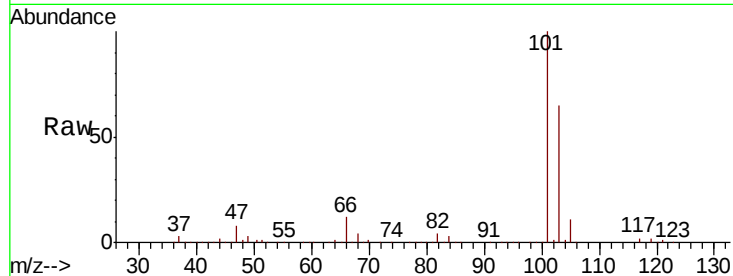
Trichlorofluoromethane
 Concen: 47.03 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
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 KY070MW233-180815MSD

Tot Ion: 101 Resp: 259833
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.3 78.5

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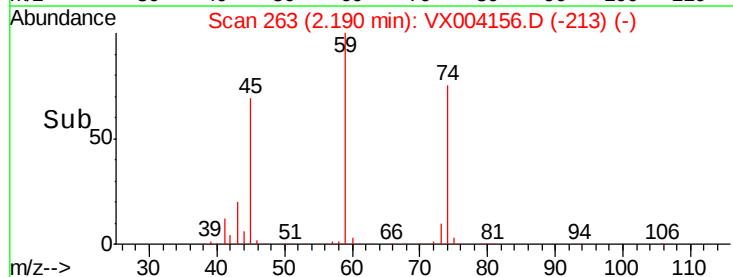
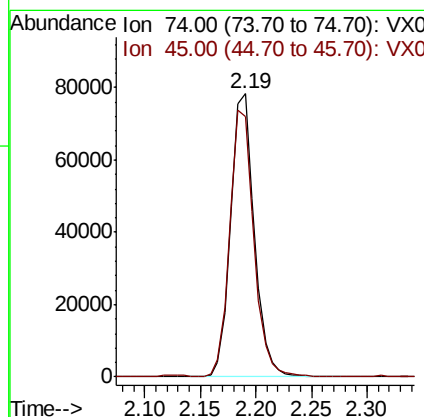
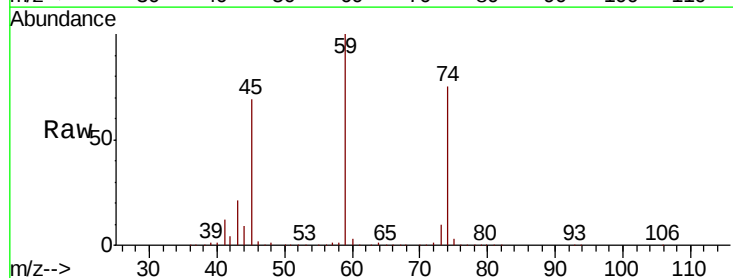
MMDadoda
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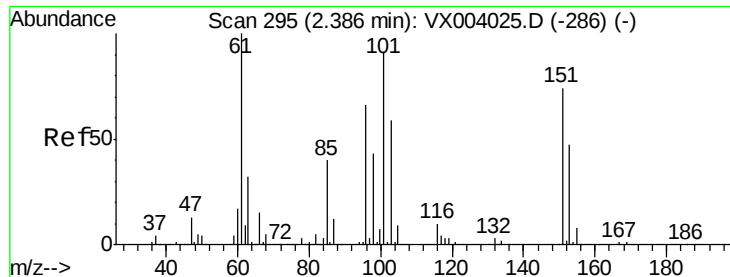


#8

Diethyl Ether
 Concen: 47.95 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion: 74 Resp: 115661
 Ion Ratio Lower Upper
 74 100
 45 95.1 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.51 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

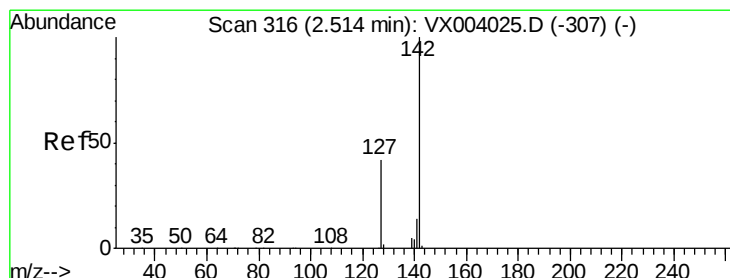
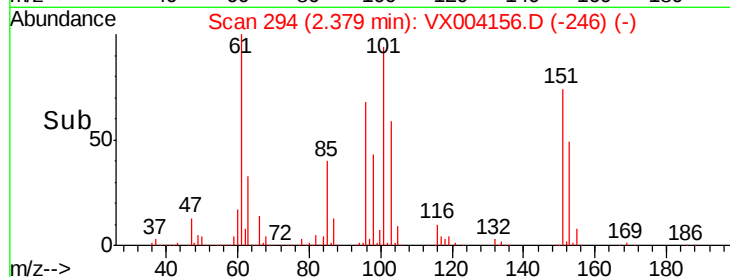
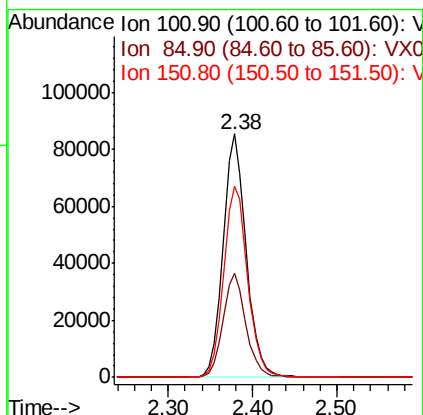
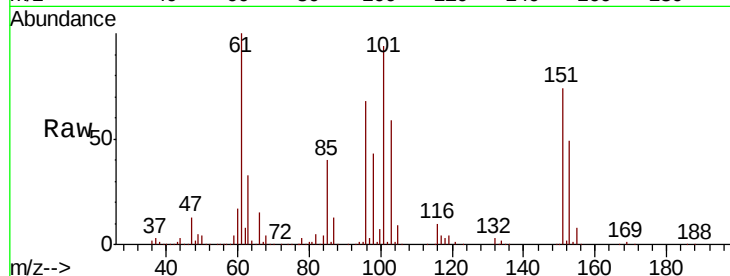
ClientSampleId :

KY070MW233-180815MSD

Tot Ion:	101	Resp:	160293
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	81.4	65.0	97.4

Manual Integrations
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8/21/2018 11:16:50 AM



#10

Methyl Iodide

Concen: 44.67 ug/l

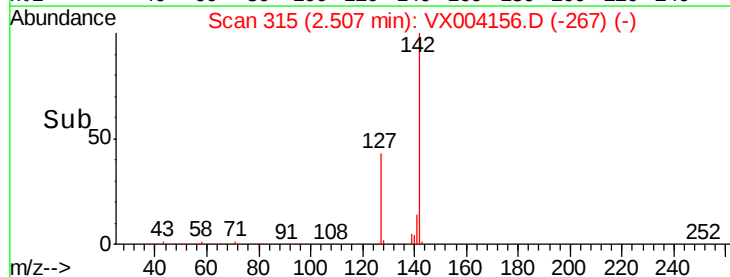
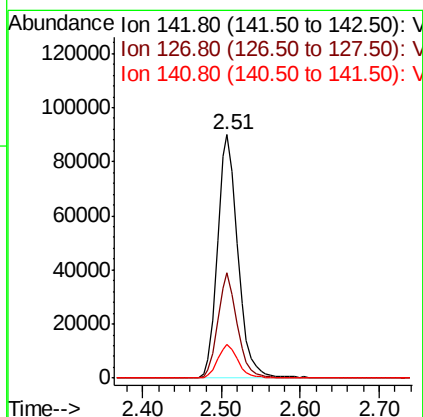
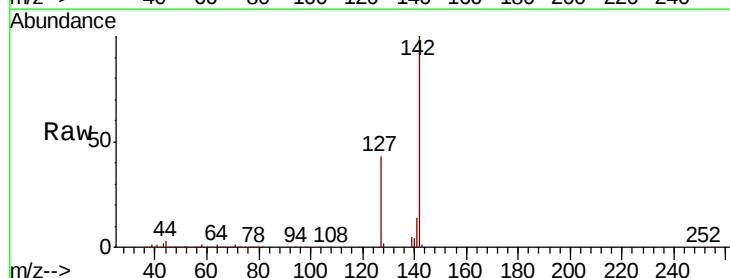
RT: 2.51 min Scan# 315

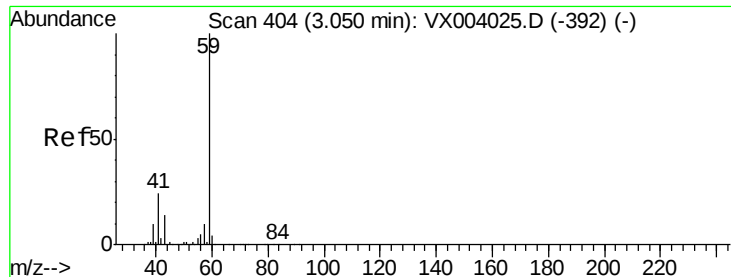
Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Tgt Ion:	142	Resp:	162274
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.1	49.7
141	13.8	11.1	16.7





#11

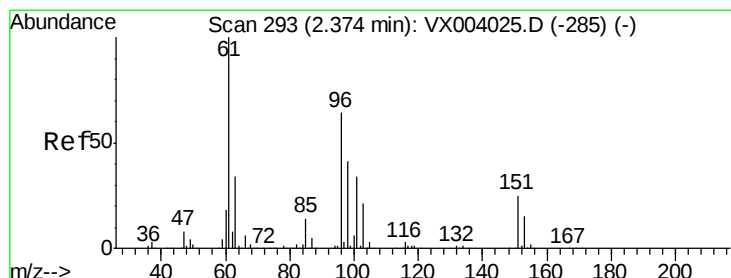
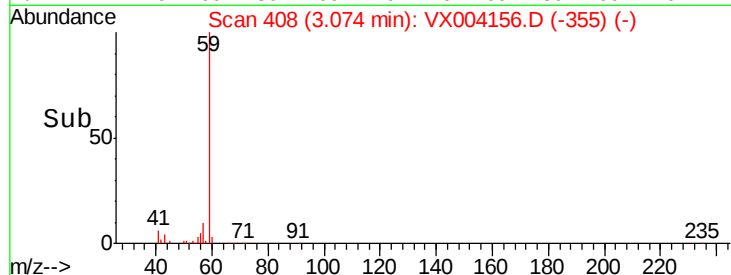
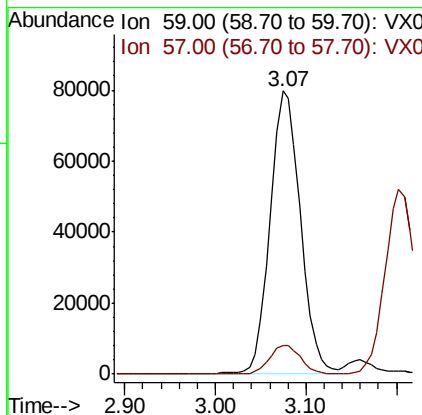
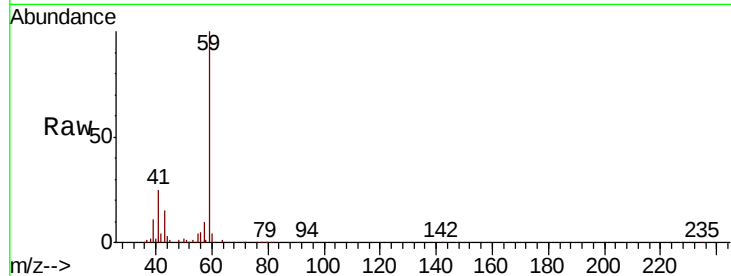
Tert butyl alcohol
Concen: 214.32 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.02 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1

Manual Integrations
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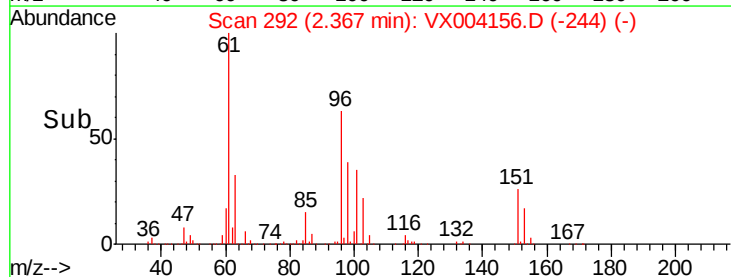
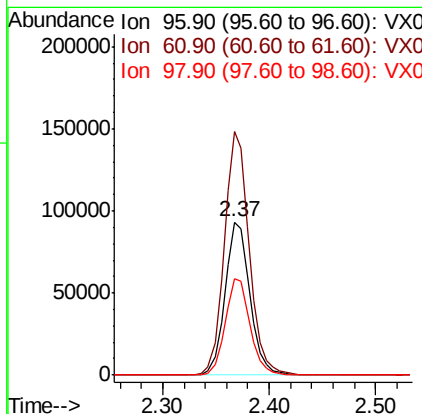
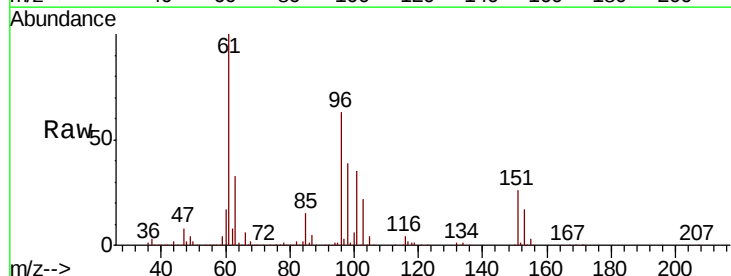
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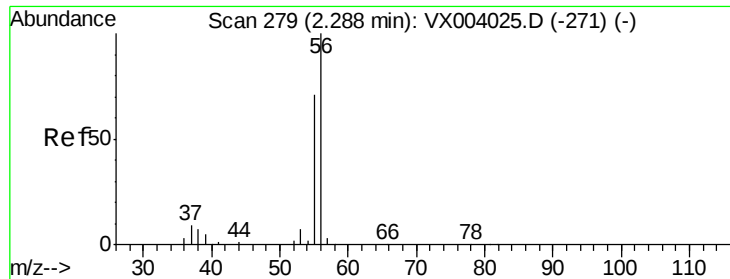


#12

1,1-Dichloroethene
Concen: 47.66 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.8	131.3	196.9
98	62.6	51.8	77.6





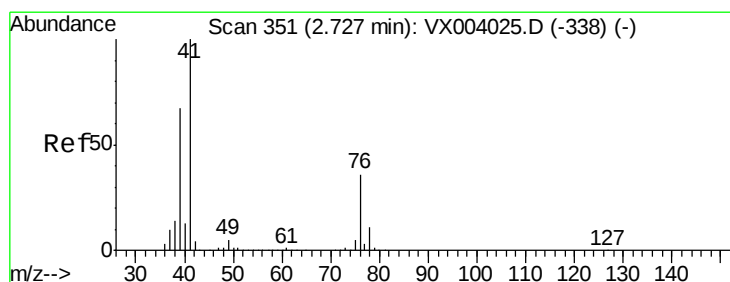
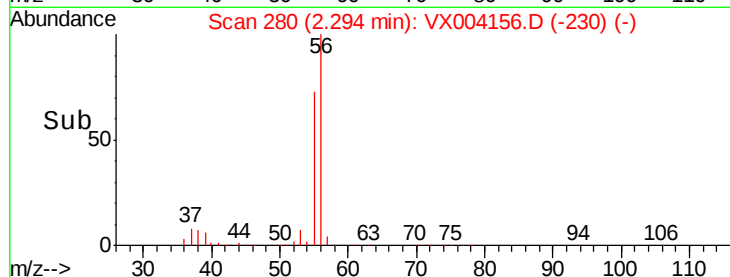
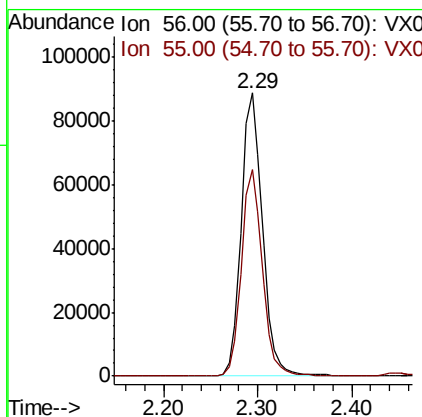
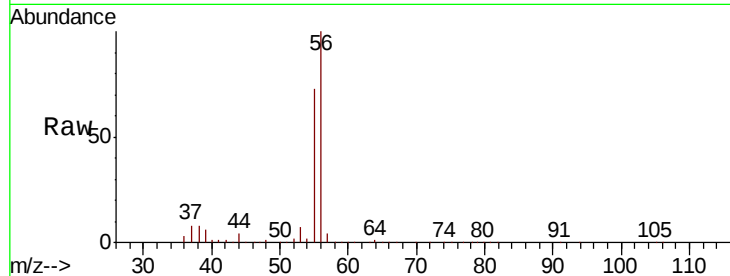
#13
Acrolein
Concen: 238.72 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.1	84.1

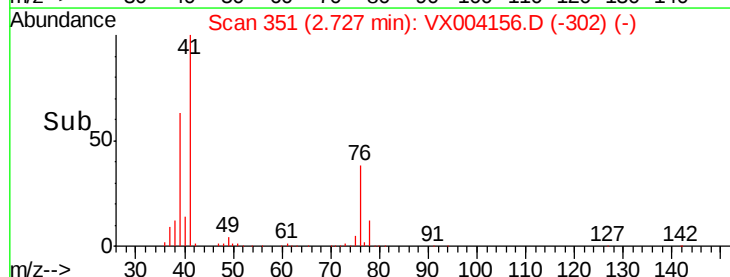
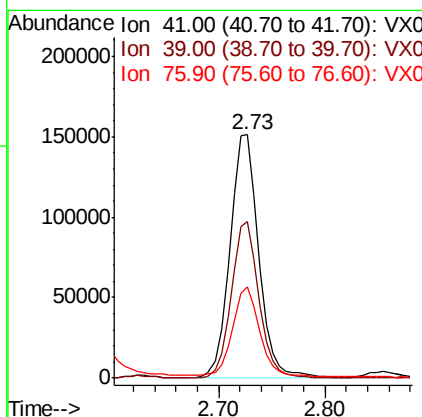
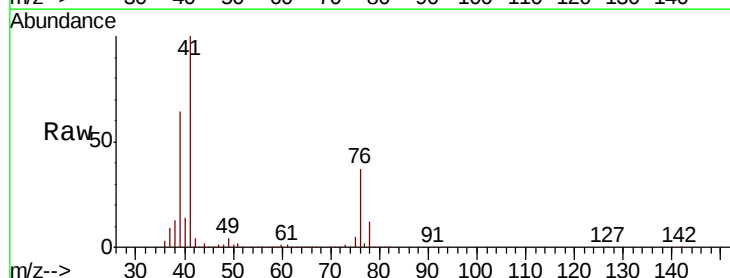
Manual Integrations
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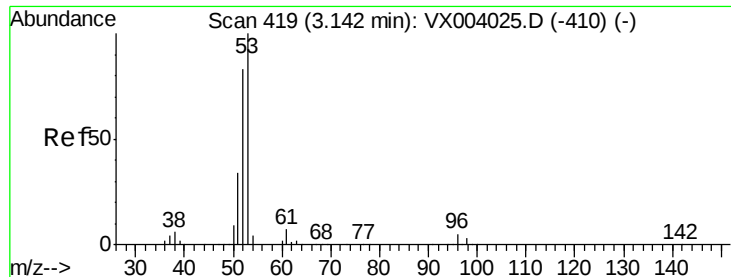
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#14
Allyl chloride
Concen: 46.95 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.2	47.4	71.0
76	36.0	26.0	39.0





#15

Acrylonitrile

Concen: 235.11 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

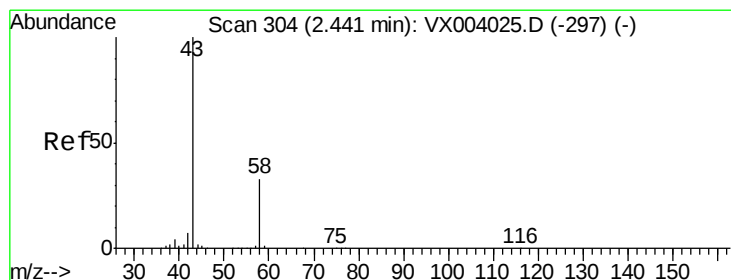
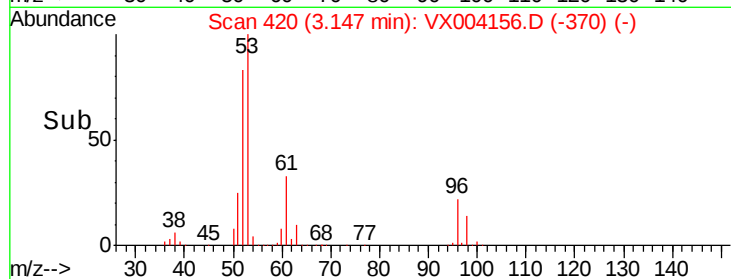
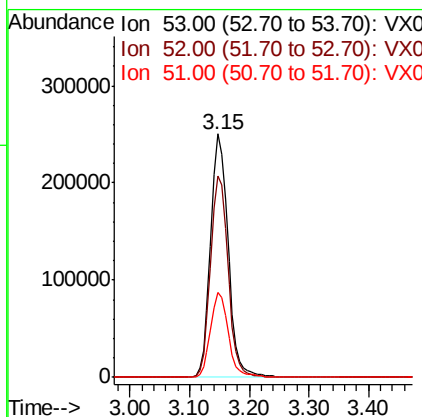
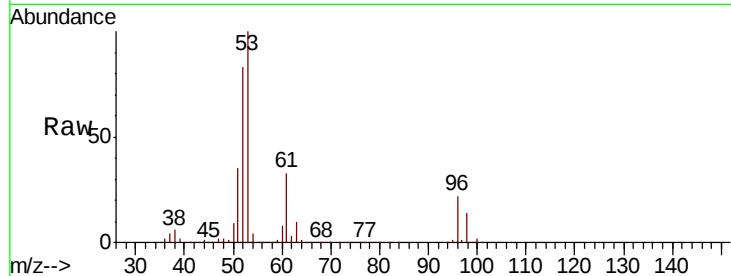
ClientSampleId :

KY070MW233-180815MSD

Tot Ion:	53	Resp:	506827
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.3	97.9
51	35.1	27.9	41.9

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#16

Acetone

Concen: 223.31 ug/l

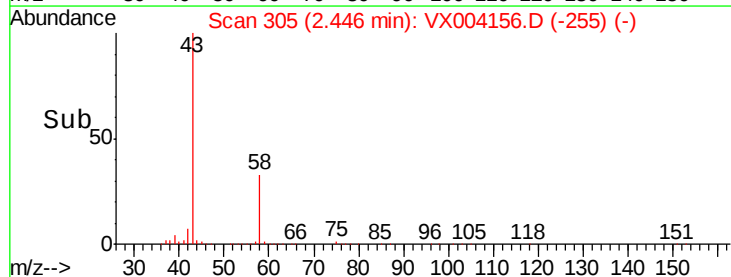
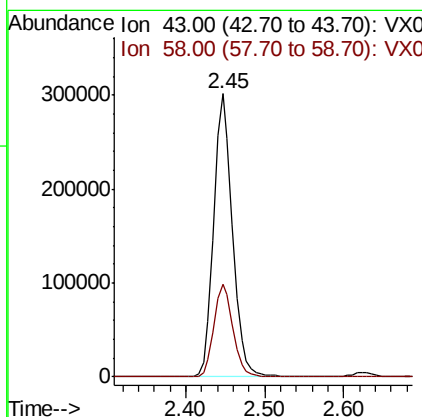
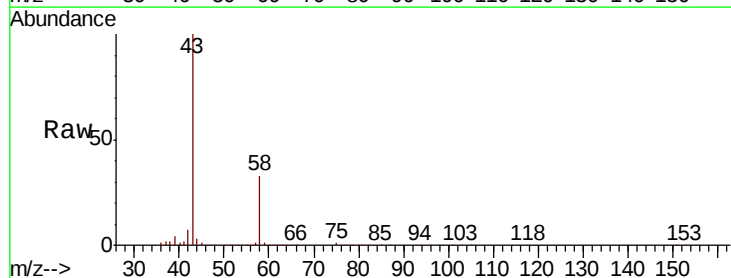
RT: 2.45 min Scan# 305

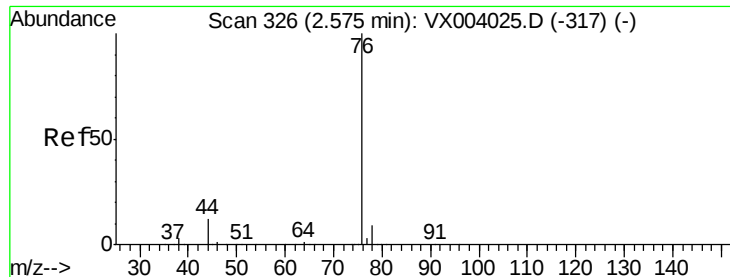
Delta R.T. 0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Tgt Ion:	43	Resp:	498478
Ion Ratio	Lower	Upper	
43	100		
58	32.8	26.4	39.6





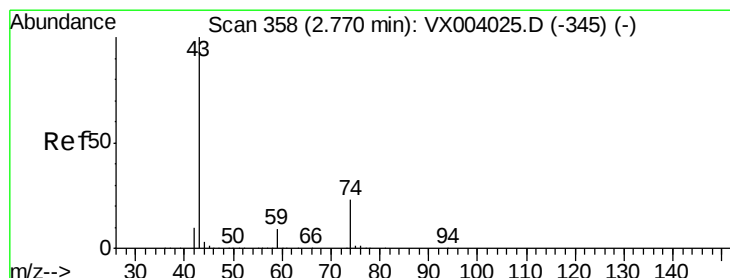
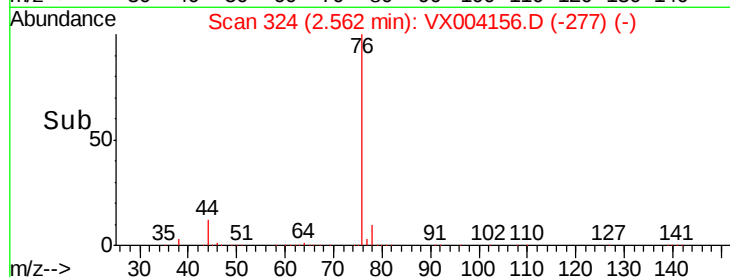
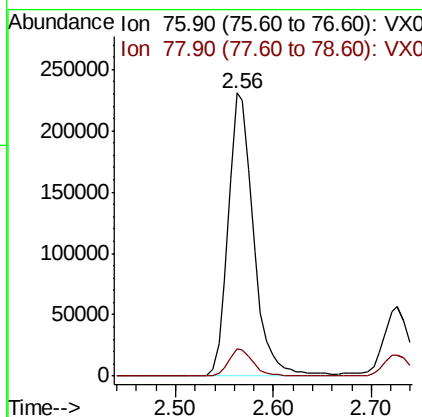
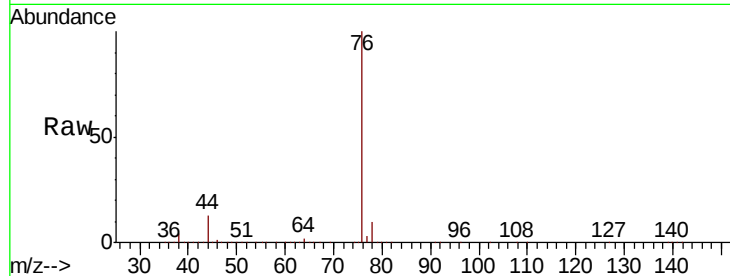
#17
Carbon Disulfide
Concen: 45.71 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion: 76 Resp: 415620
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3

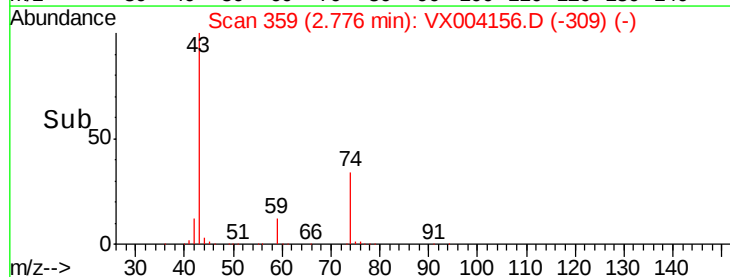
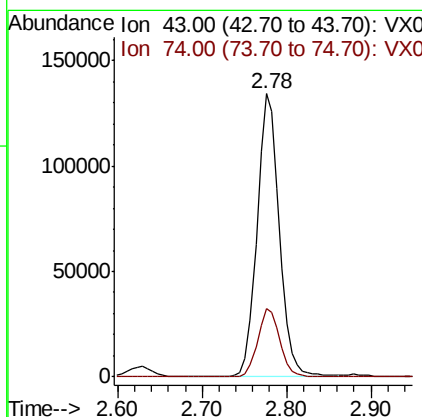
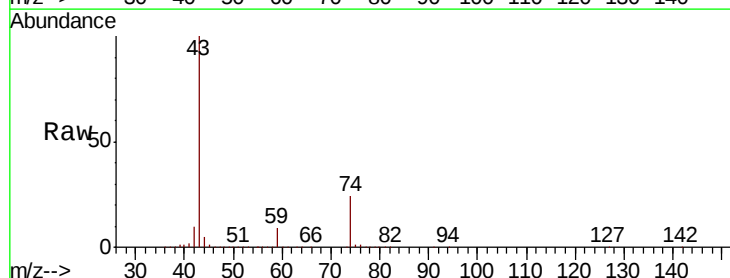
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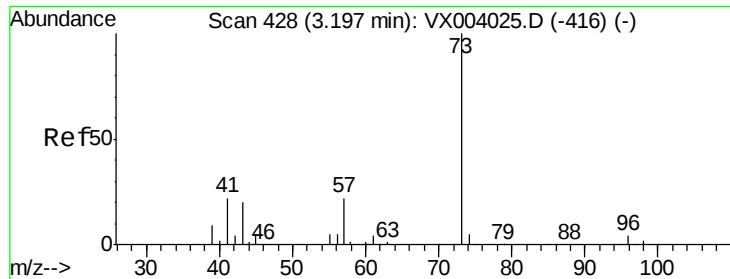
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#18
Methyl Acetate
Concen: 48.59 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion: 43 Resp: 241013
Ion Ratio Lower Upper
43 100
74 24.4 18.9 28.3





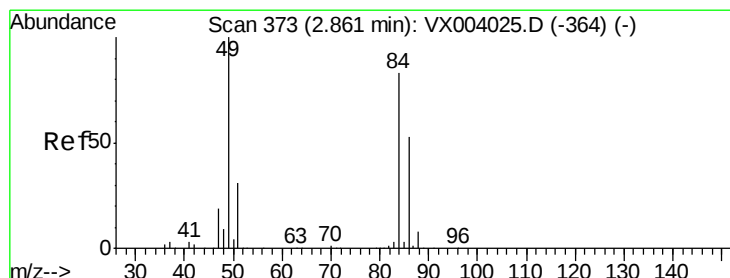
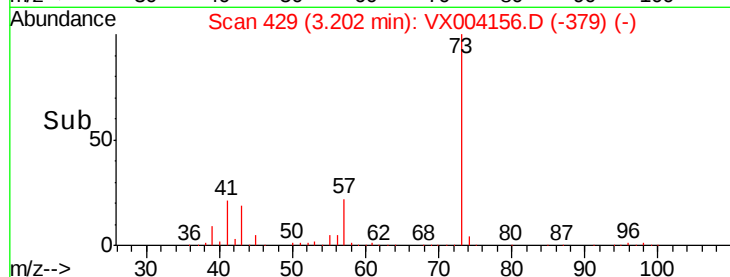
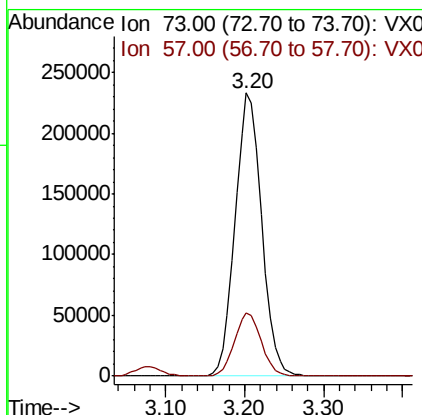
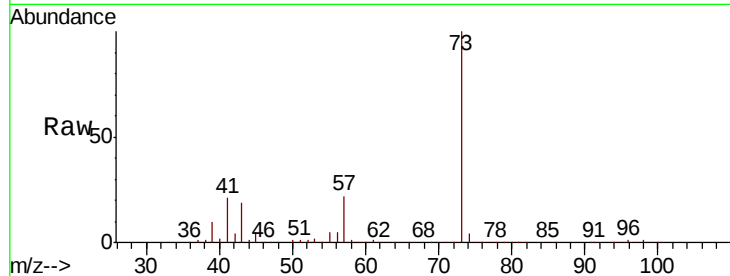
#19
Methvl tert-butvl Ether
Concen: 48.27 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion: 73 Resp: 545139
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0

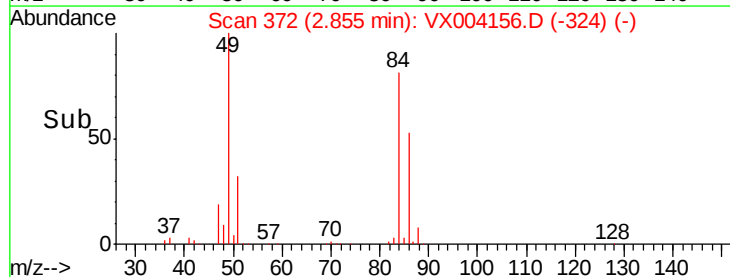
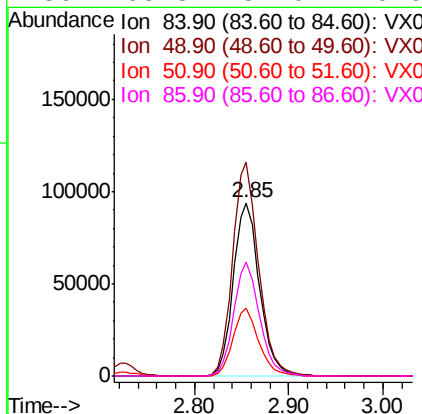
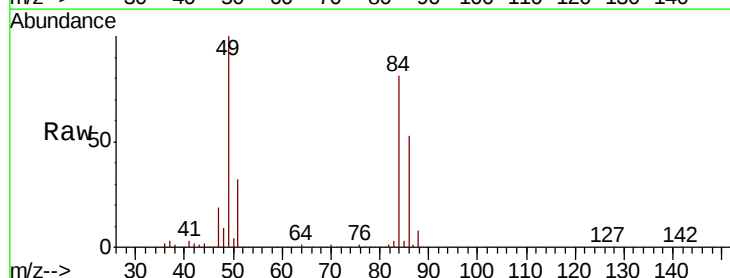
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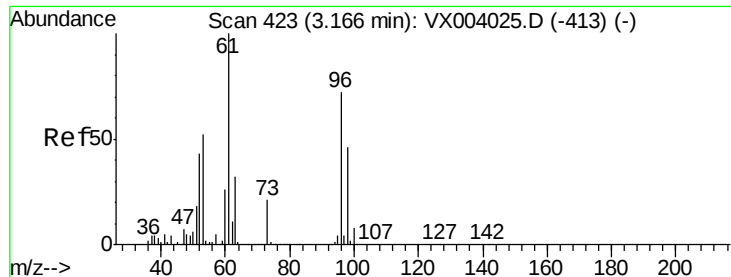
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#20
Methylene Chloride
Concen: 49.79 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion: 84 Resp: 181677
Ion Ratio Lower Upper
84 100
49 123.4 98.9 148.3
51 39.0 29.9 44.9
86 65.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.66 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

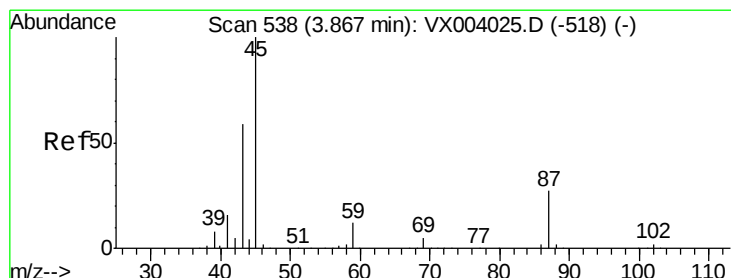
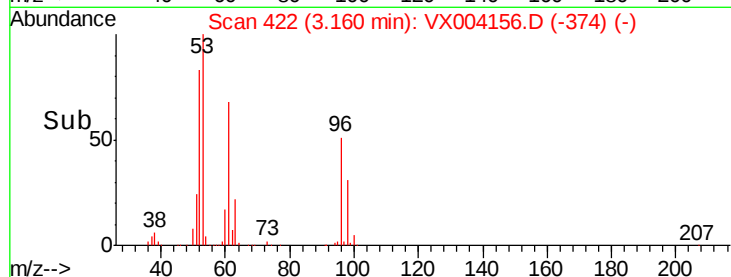
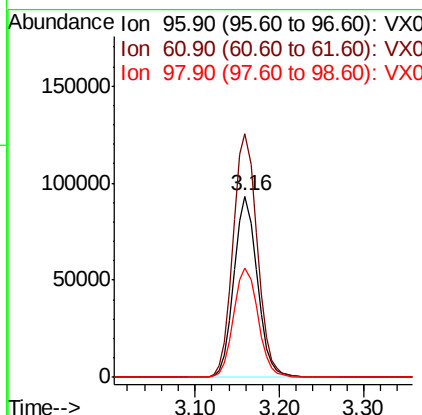
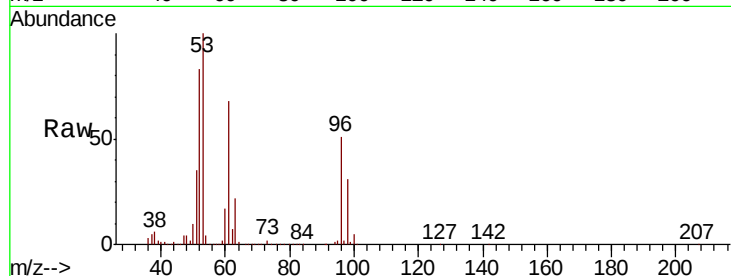
ClientSampleId :

KY070MW233-180815MSD

Tot Ion:	96	Resp:	173515
Ion	Ratio	Lower	Upper
96	100		
61	134.4	111.8	167.6
98	60.6	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.18 ug/l

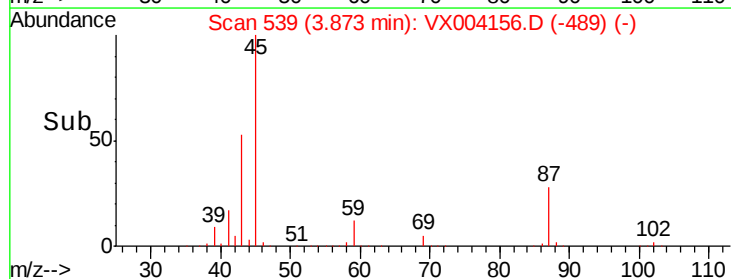
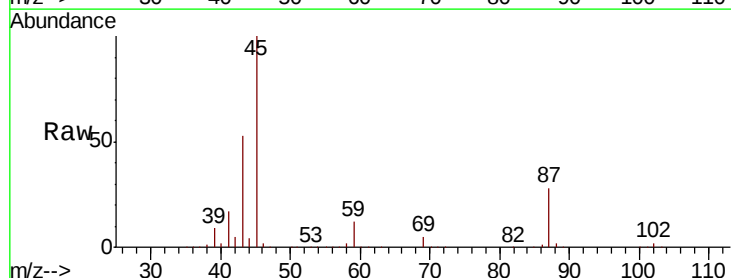
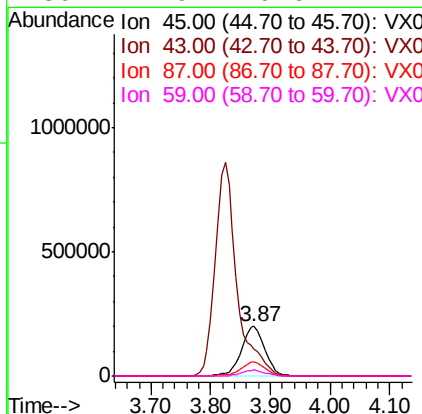
RT: 3.87 min Scan# 539

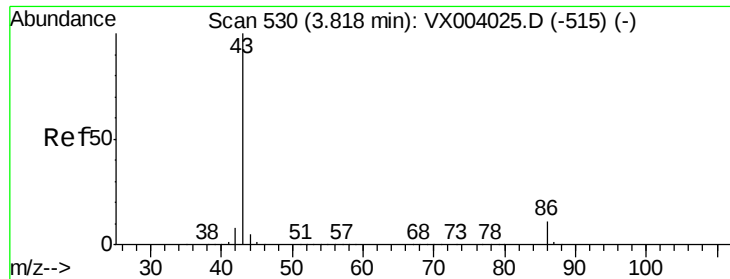
Delta R.T. 0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Tgt Ion:	45	Resp:	551909
Ion	Ratio	Lower	Upper
45	100		
43	53.0	45.3	67.9
87	28.4	22.7	34.1
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 221.08 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

Tot Ion: 43 Resp: 2170317

Ion Ratio Lower Upper

43 100

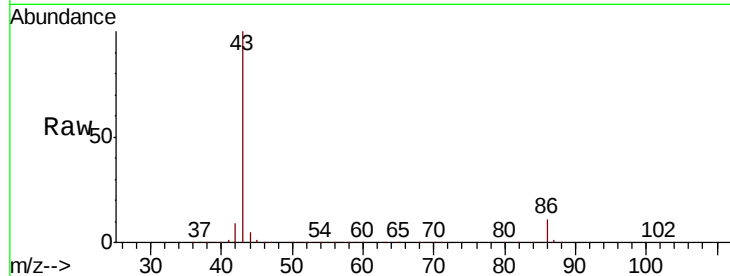
86 11.4 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1000000

800000

600000

400000

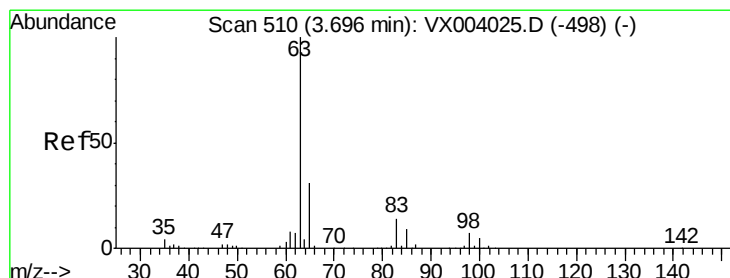
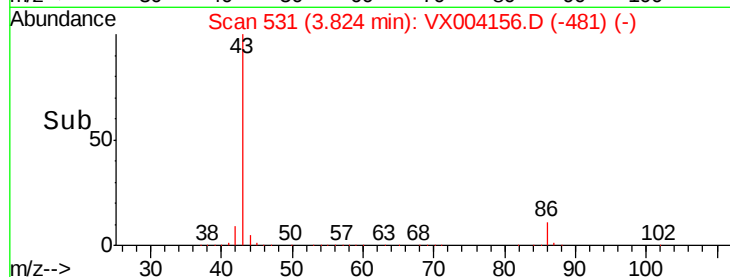
200000

0

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 45.54 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

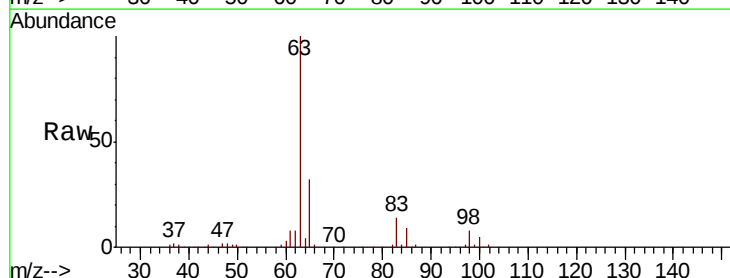
Tgt Ion: 63 Resp: 308299

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 5.0 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

100000

50000

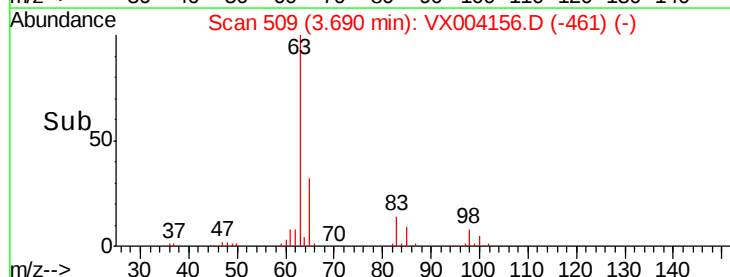
0

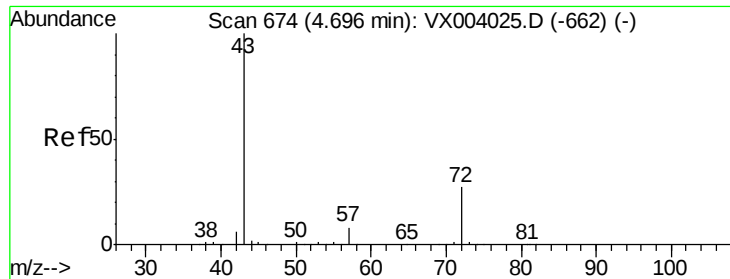
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 221.71 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

Tot Ion: 43 Resp: 805252

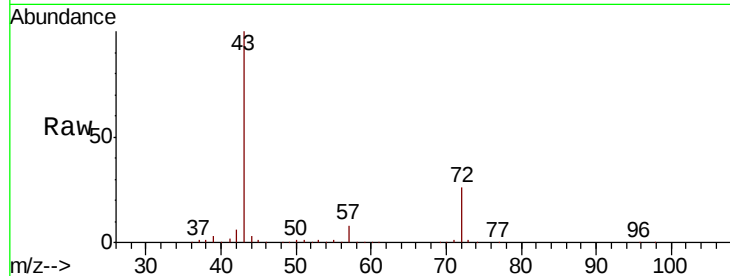
Ion Ratio Lower Upper

43 100

72 26.3 21.4 32.0

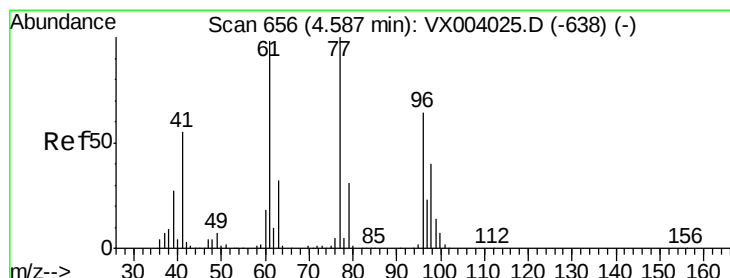
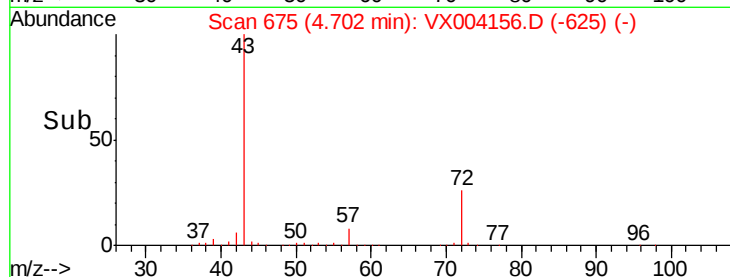
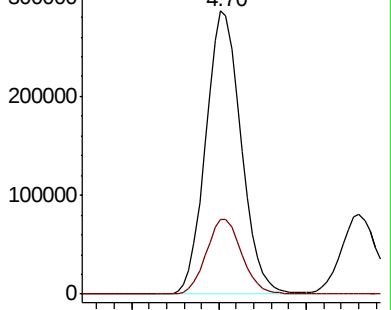
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 41.85 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004156.D

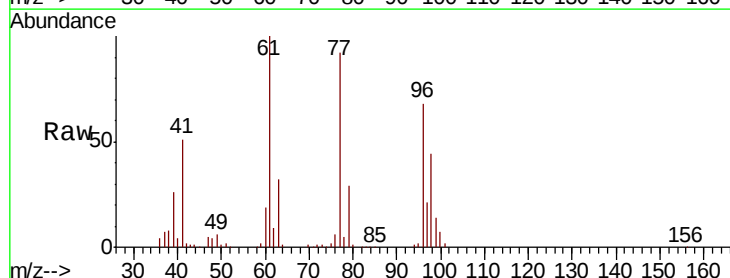
Acq: 20 Aug 2018 16:42

Tgt Ion: 77 Resp: 225266

Ion Ratio Lower Upper

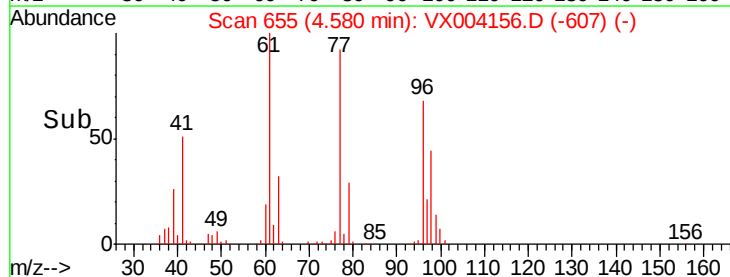
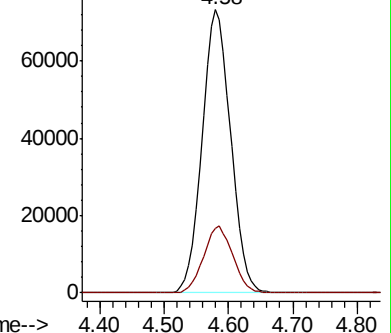
77 100

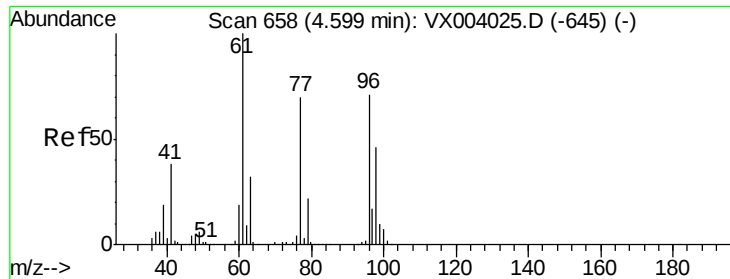
97 23.9 11.9 35.9



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: 52.23 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

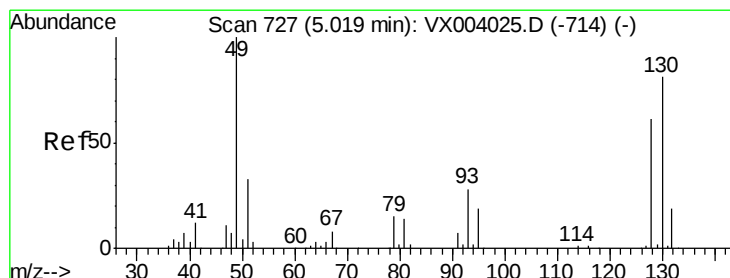
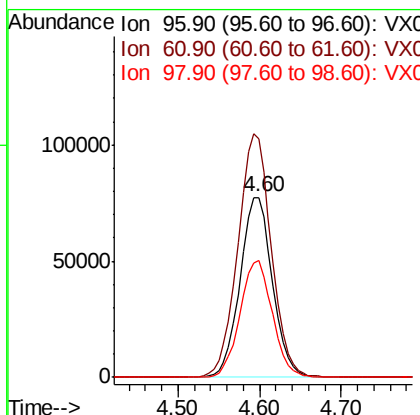
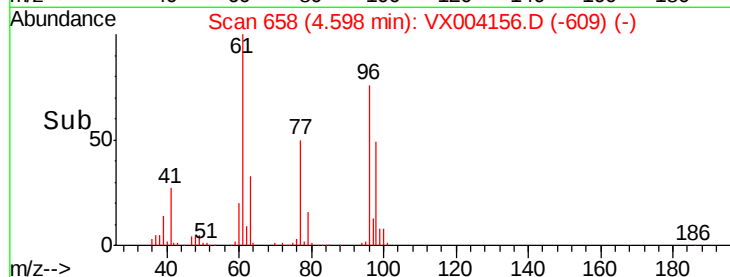
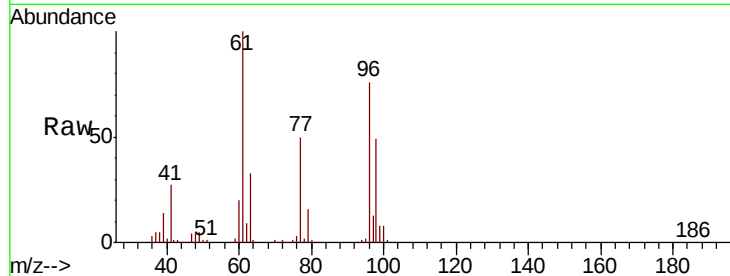
ClientSampleId :

KY070MW233-180815MSD

Tot Ion:	96	Resp:	213822
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	293.0
98	64.8	0.0	131.8

Manual Integrations
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8/21/2018 11:16:50 AM



#28

Bromochloromethane

Concen: 49.77 ug/l

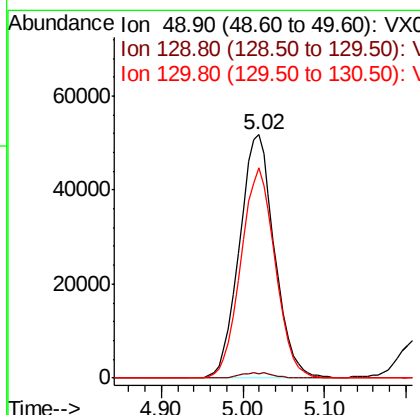
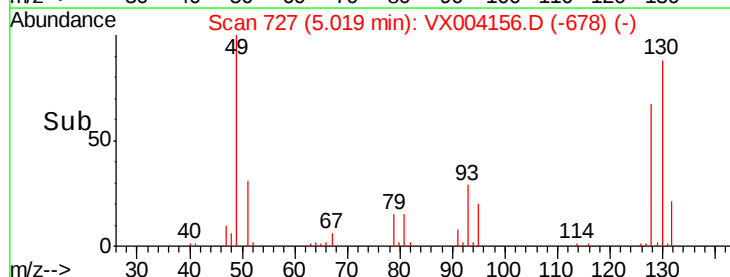
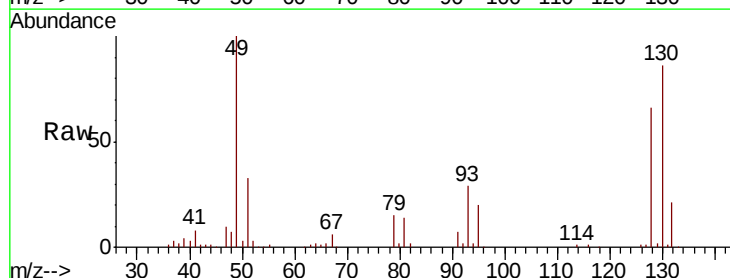
RT: 5.02 min Scan# 727

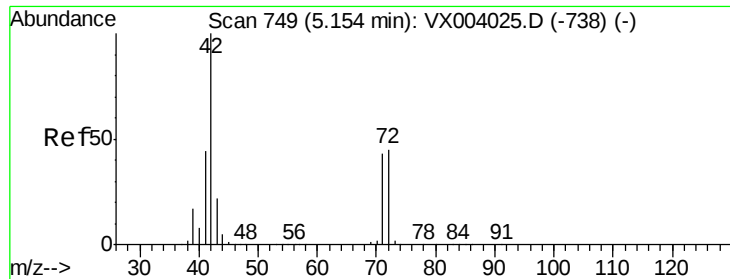
Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Tgt Ion:	49	Resp:	154593
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.7	66.5	99.7





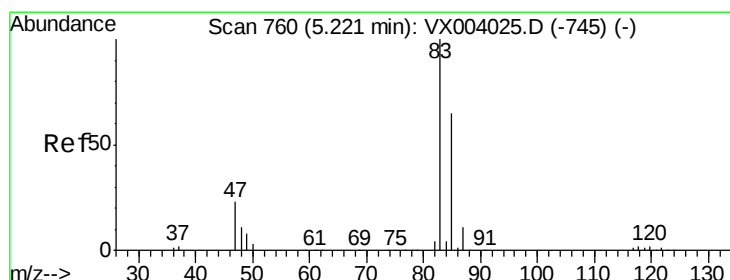
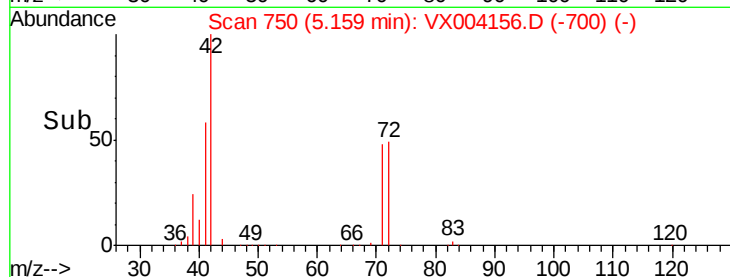
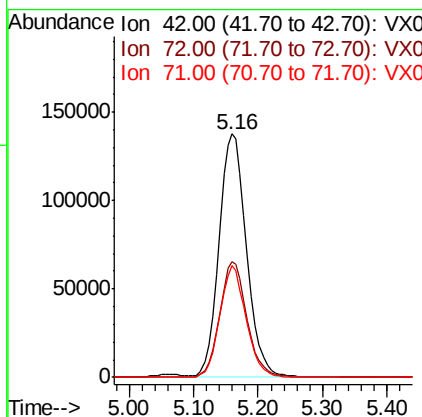
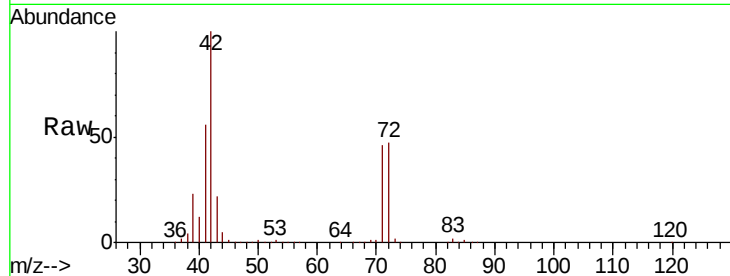
#29
Tetrahydrofuran
Concen: 222.40 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.7	56.5
71	43.9	35.0	52.6

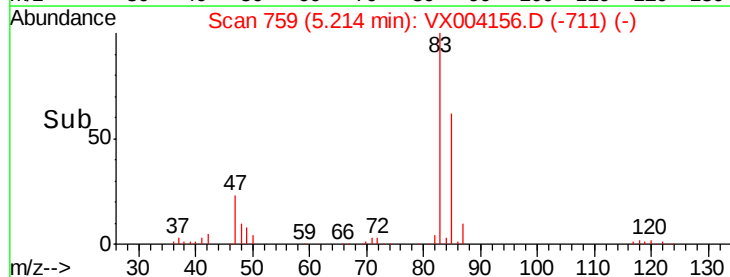
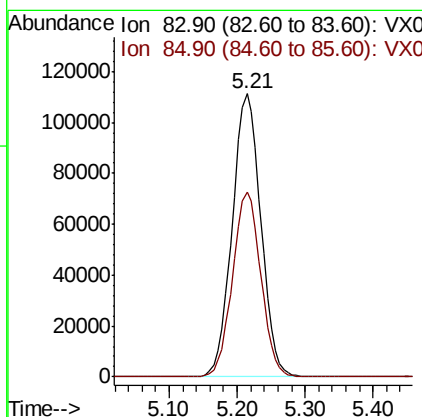
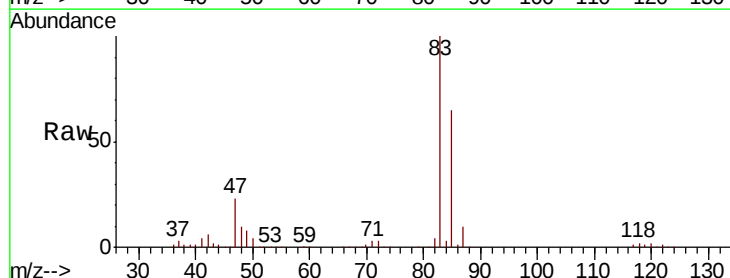
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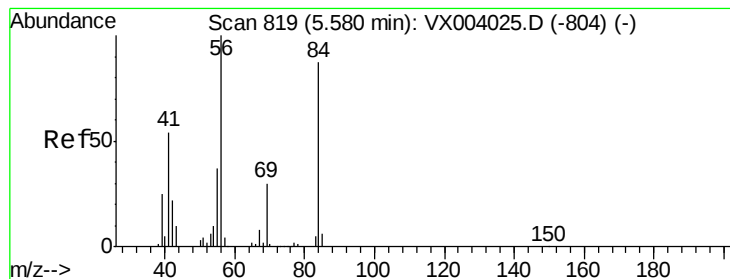
MMDadoda
8/21/2018 11:16:50 AM



#30
Chloroform
Concen: 49.08 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.7	76.1





#31

Cyclohexane

Concen: 45.80 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

Tot Ion: 56 Resp: 271798

Ion Ratio Lower Upper

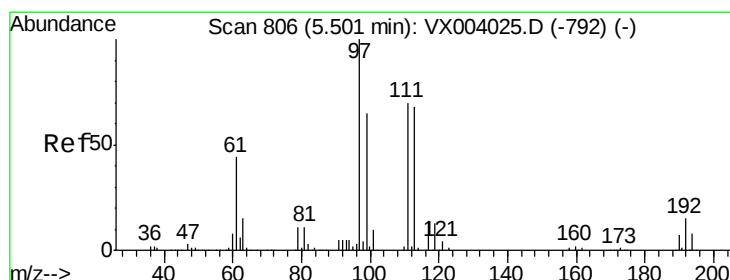
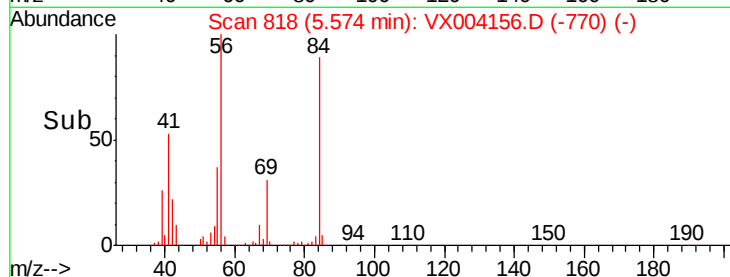
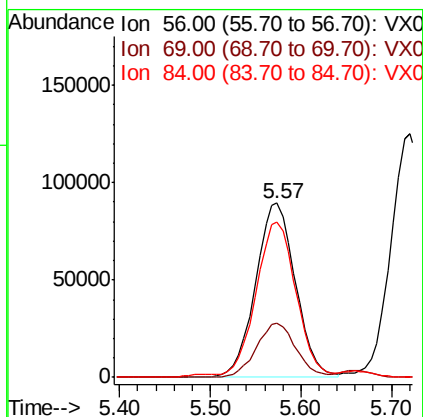
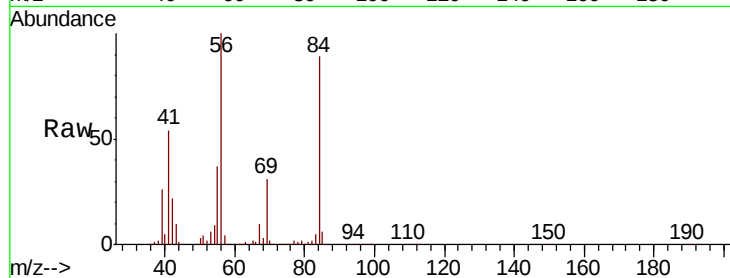
56 100

69 31.0 24.9 37.3

84 88.1 71.7 107.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.15 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

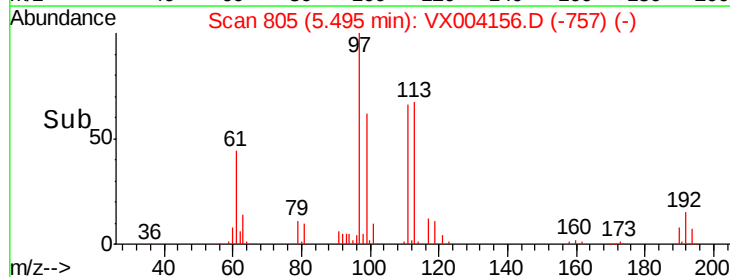
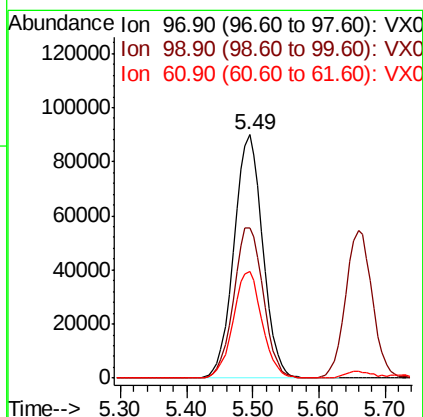
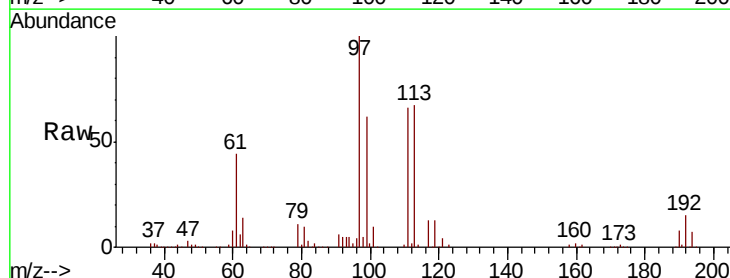
Tgt Ion: 97 Resp: 271364

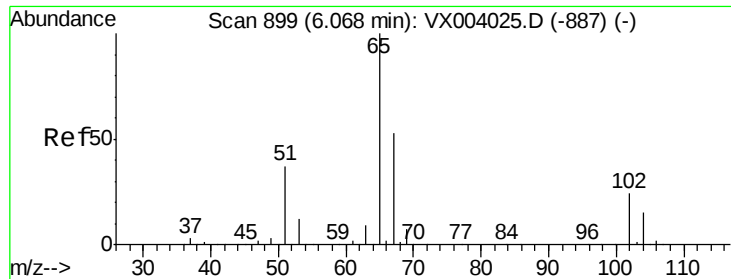
Ion Ratio Lower Upper

97 100

99 63.5 51.8 77.8

61 44.1 34.4 51.6





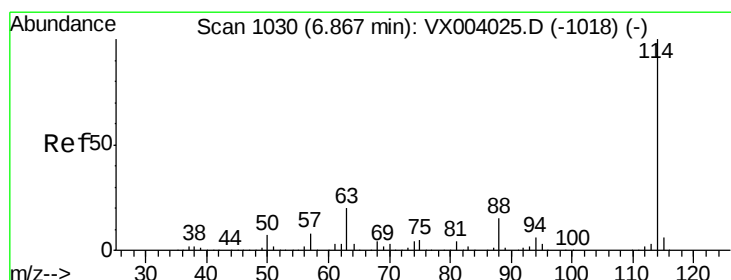
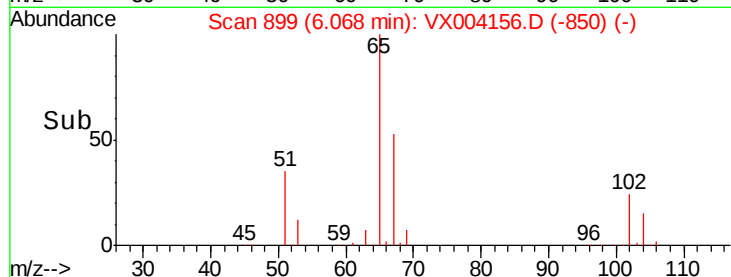
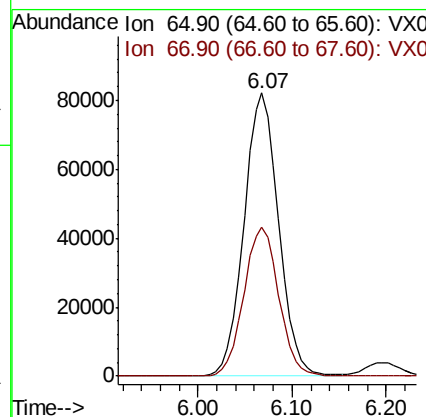
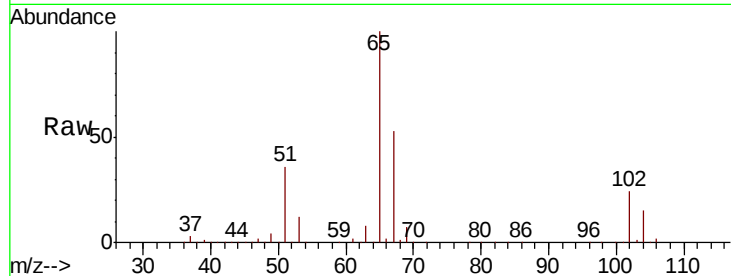
#33
 1,2-Dichloroethane-d4
 Concen: 49.12 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	210906		
67	53.5	0.0	105.8	

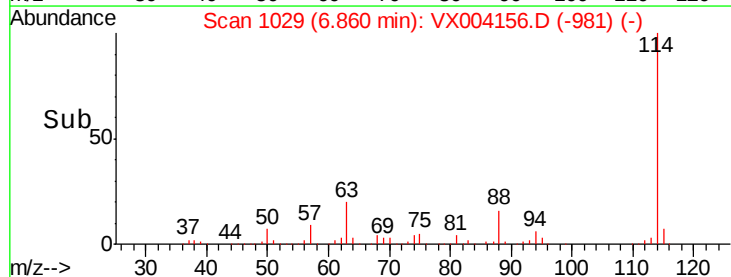
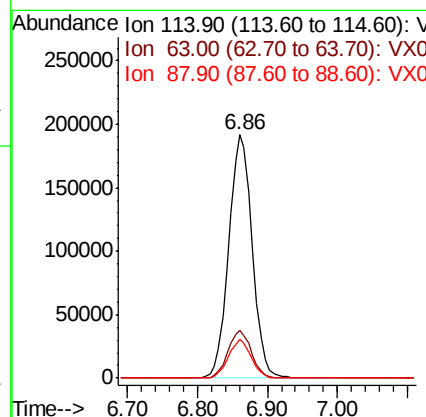
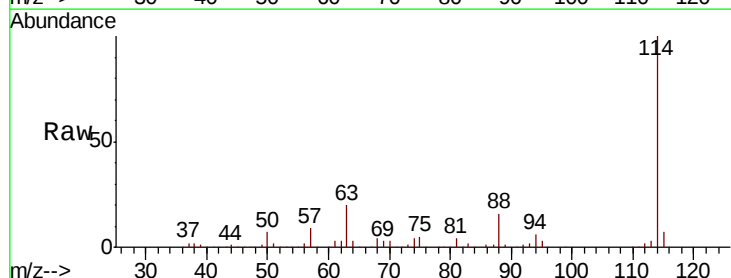
Manual Integrations
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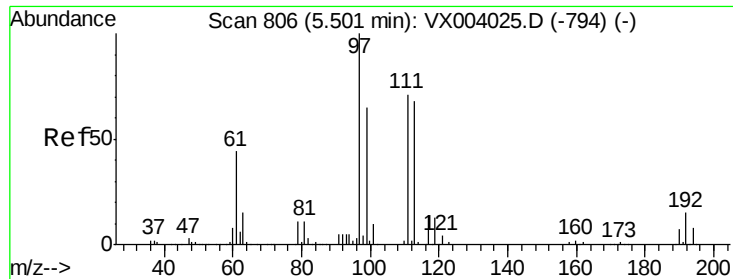
MMDadoda
 8/21/2018 11:16:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	444905		
63	19.6	0.0	39.0	
88	15.9	0.0	32.0	





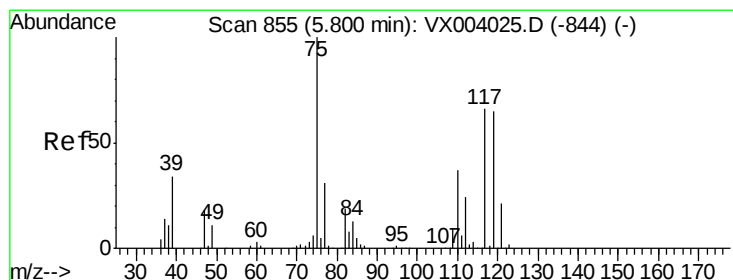
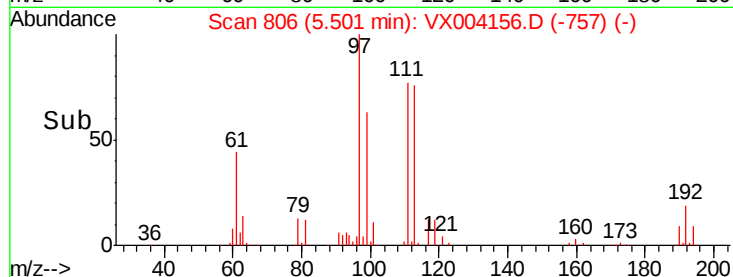
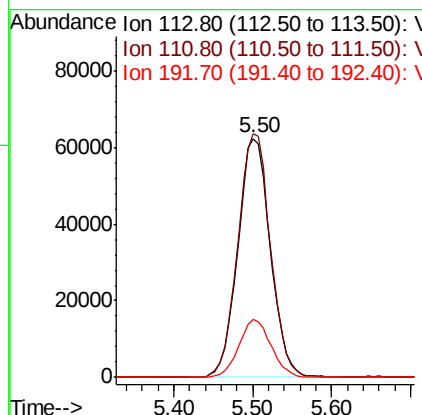
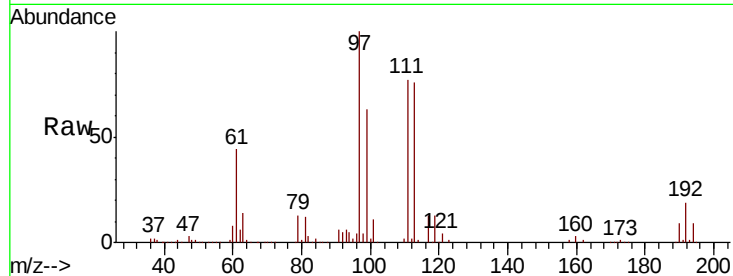
#35
 Dibromofluoromethane
 Concen: 53.63 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	178568		
111	102.3	82.0	123.0	
192	24.1	19.0	28.4	

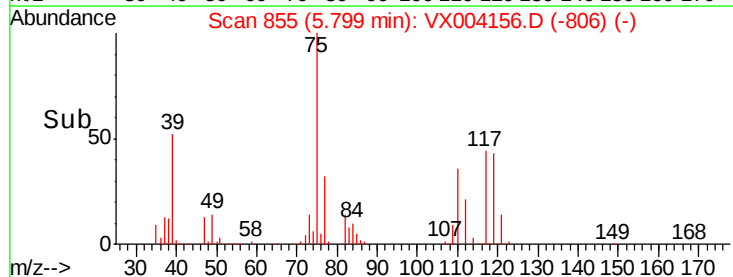
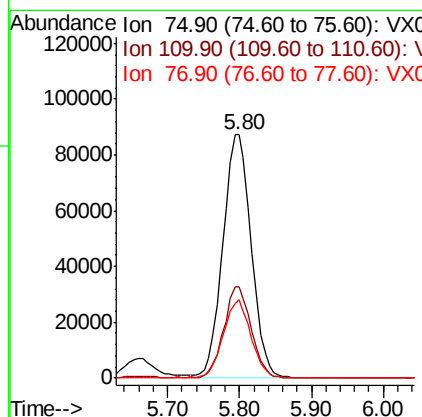
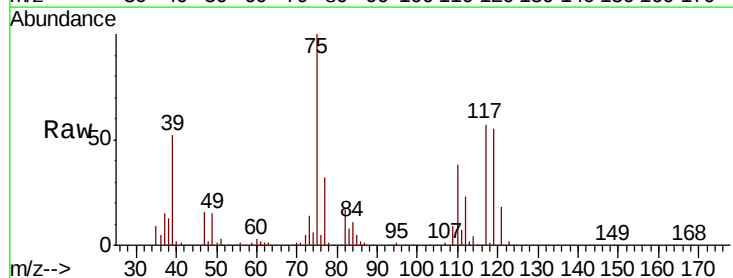
Manual Integrations
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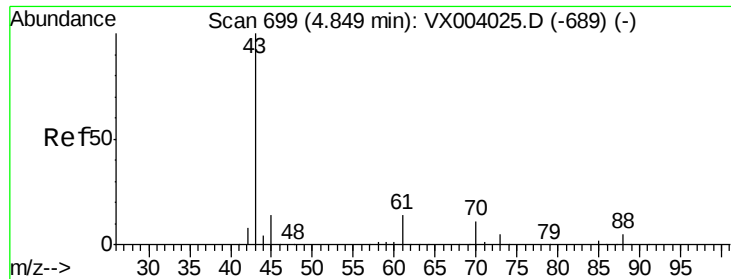
MMDadoda
 8/21/2018 11:16:50 AM



#36
 1,1-Dichloropropene
 Concen: 47.17 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	238785		
110	36.5	18.2	54.6	
77	31.3	25.0	37.4	





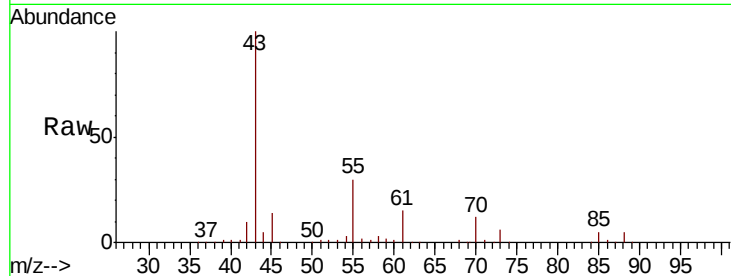
#37
Ethyl Acetate
Concen: 42.29 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

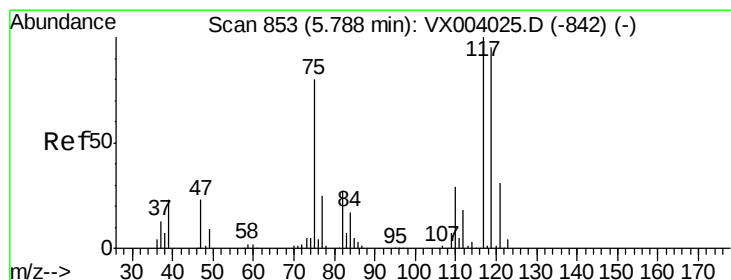
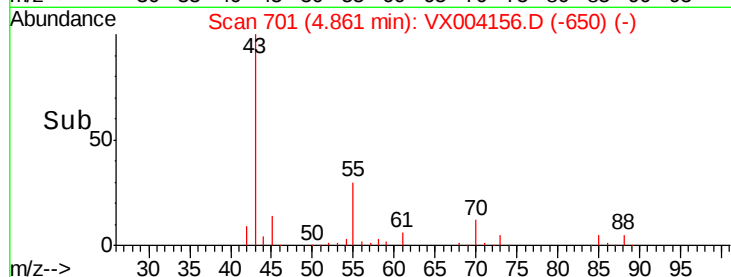
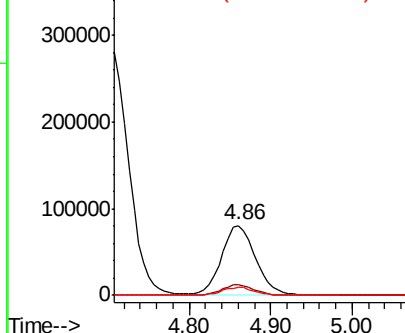
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.3	9.0	13.4

Manual Integrations
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8/21/2018 11:16:50 AM

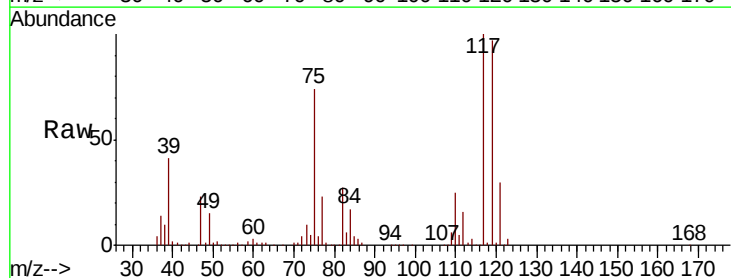


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

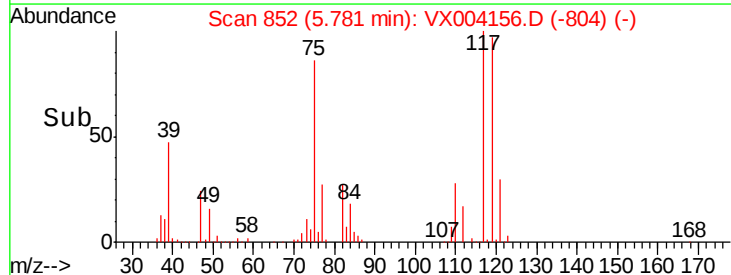
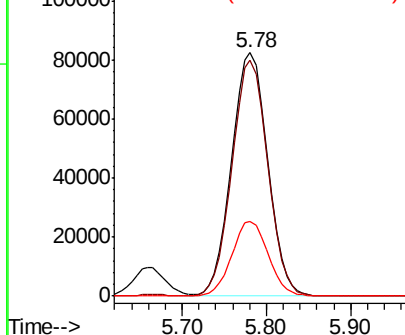


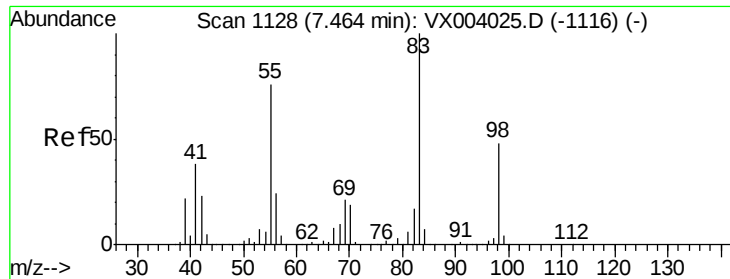
#38
Carbon Tetrachloride
Concen: 48.70 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	79.5	119.3
121	30.4	25.0	37.4



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





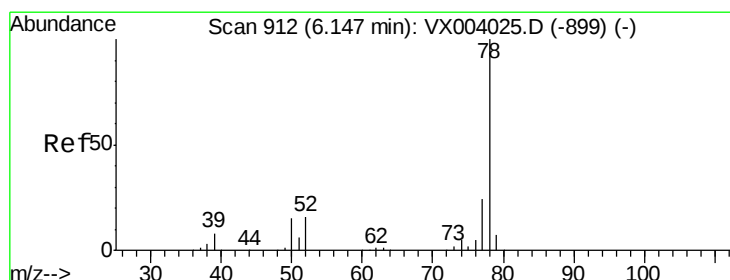
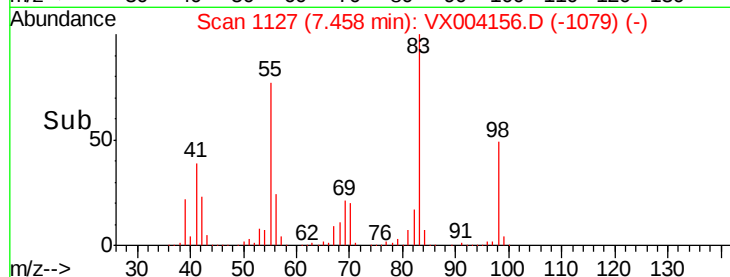
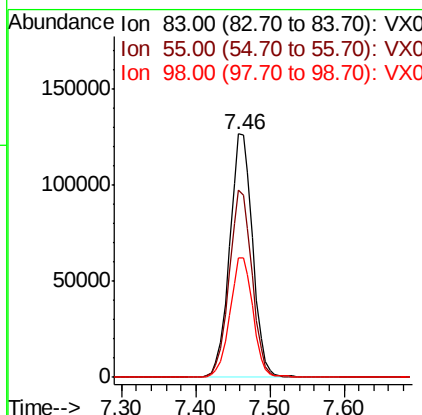
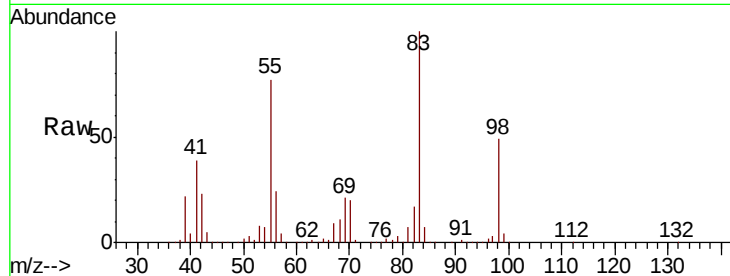
#39
Methvlcvclohexane
Concen: 47.69 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion	83	Resp	273882
Ion Ratio	100	Lower	Upper
83	100		
55	76.8	61.0	91.6
98	49.3	38.6	57.8

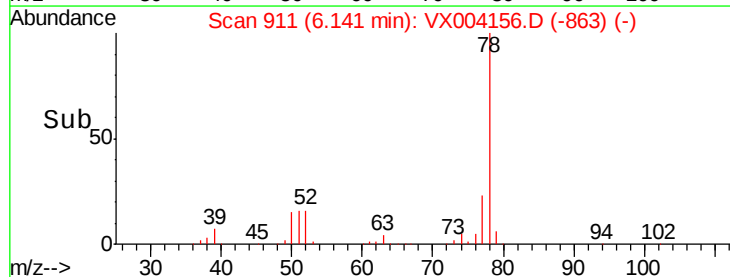
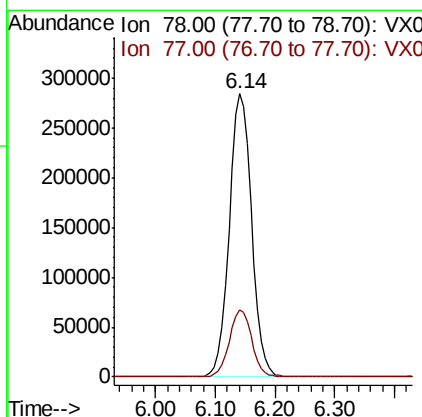
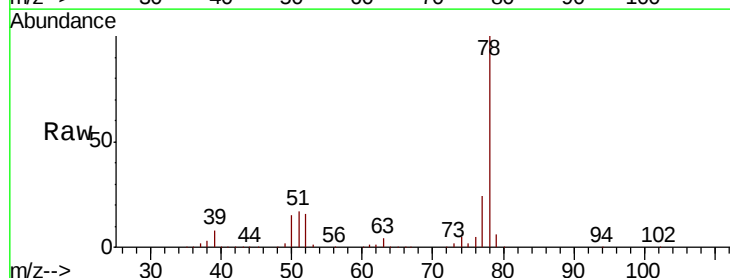
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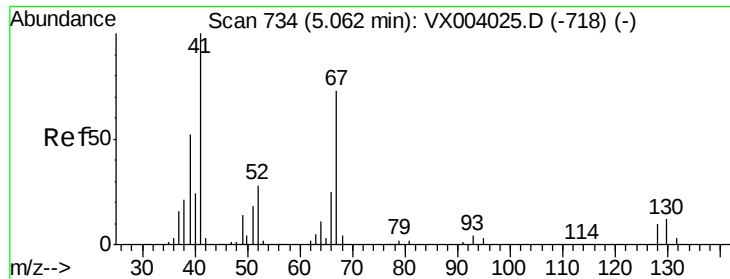
MMDadoda
8/21/2018 11:16:50 AM



#40
Benzene
Concen: 48.66 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	78	Resp	739668
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	19.0	28.4





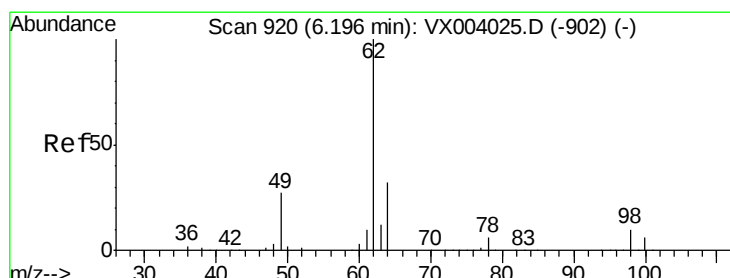
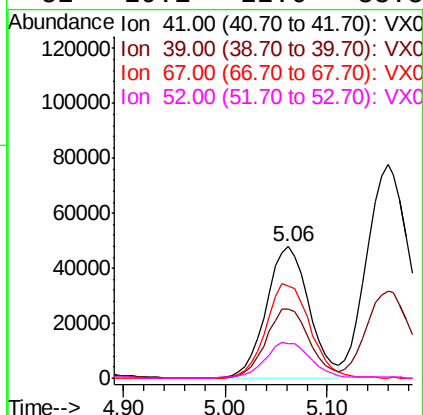
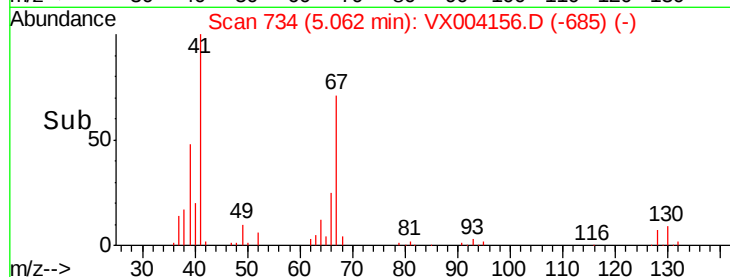
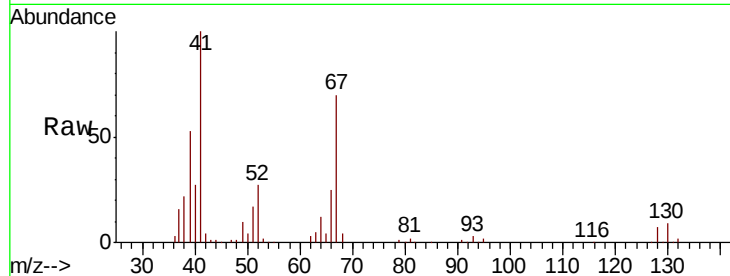
#41
Methacrylonitrile
Concen: 45.14 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	42.7	64.1	
67	75.0	58.9	88.3	
52	29.1	22.6	33.8	

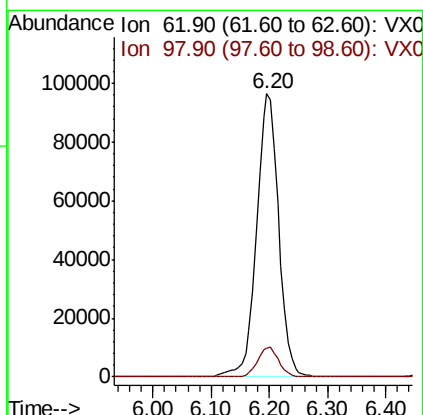
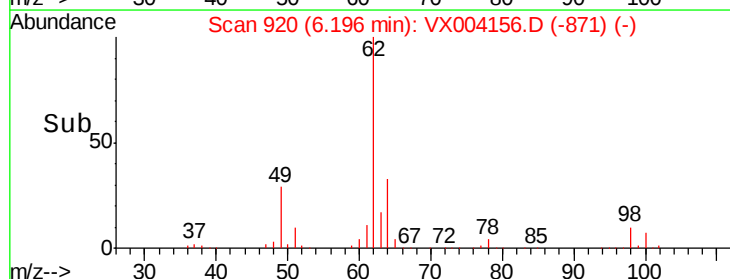
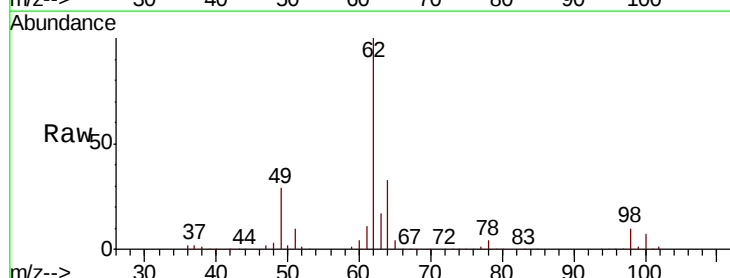
Manual Integrations
APPROVED

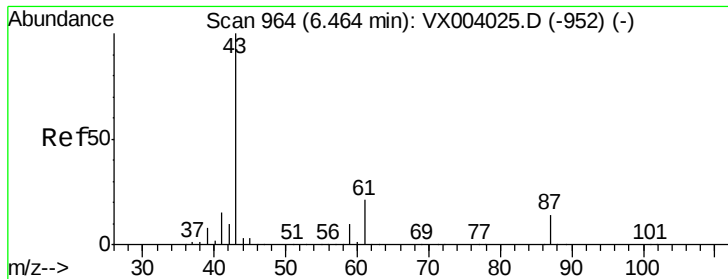
MMDadoda
8/21/2018 11:16:50 AM



#42
1,2-Dichloroethane
Concen: 47.42 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	





#43

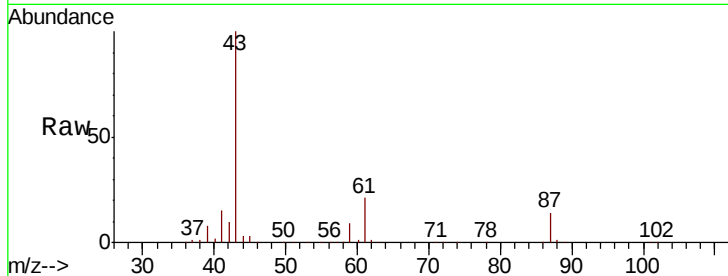
Isopropyl Acetate
 Concen: 45.66 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

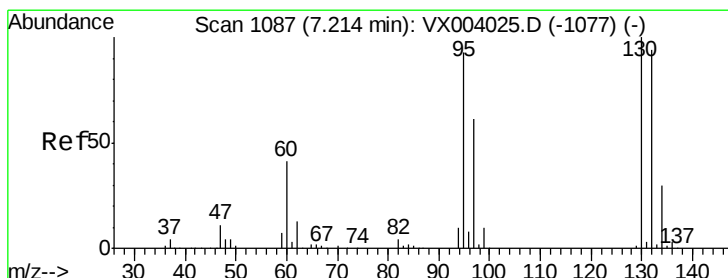
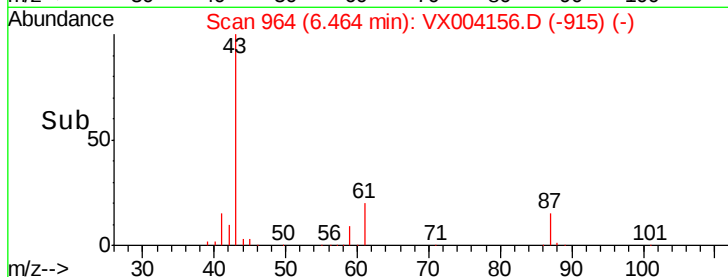
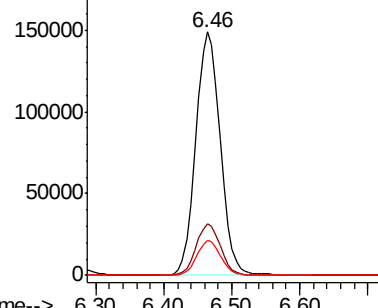
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.9	25.3
87	14.2	11.3	16.9

Manual Integrations
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MMDadoda
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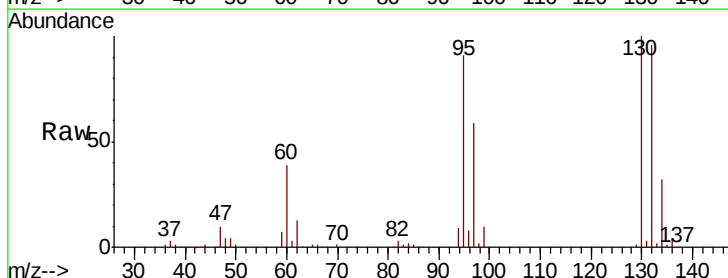
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



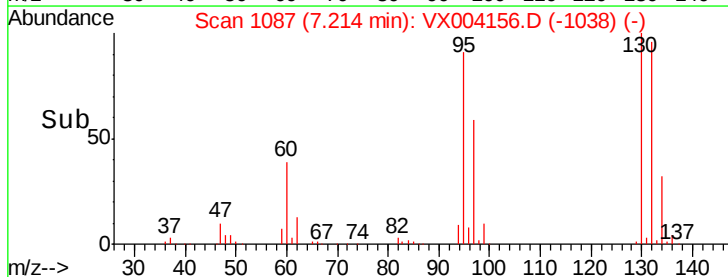
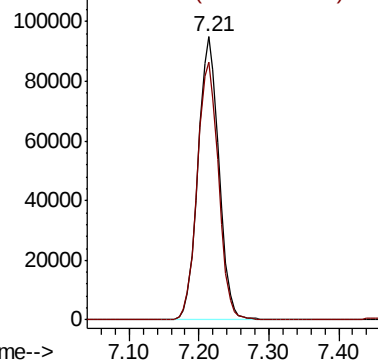
#44

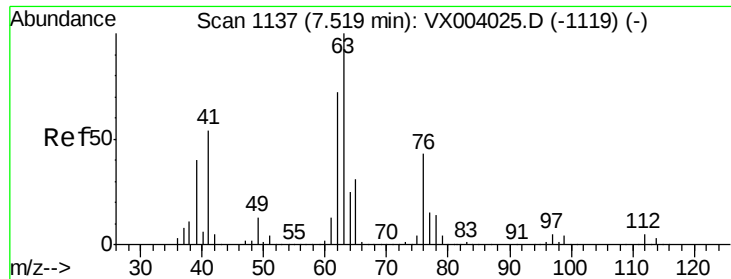
Trichloroethene
 Concen: 47.80 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	199.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





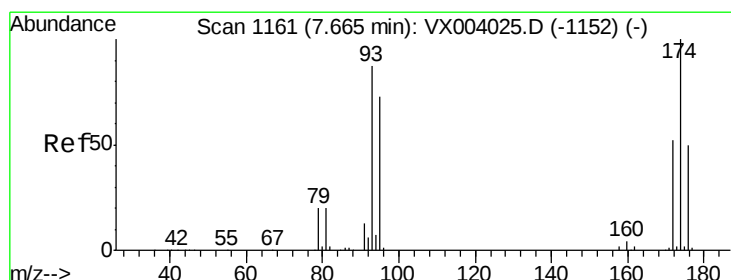
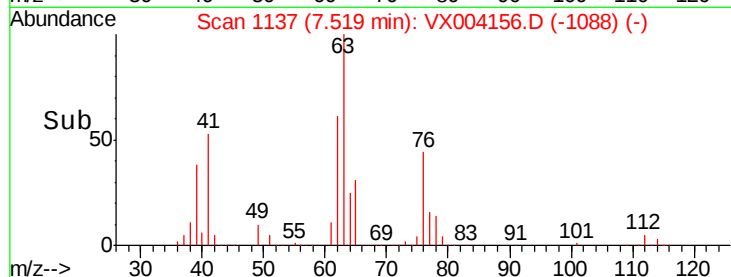
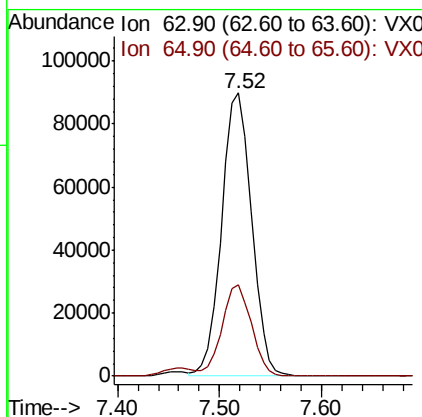
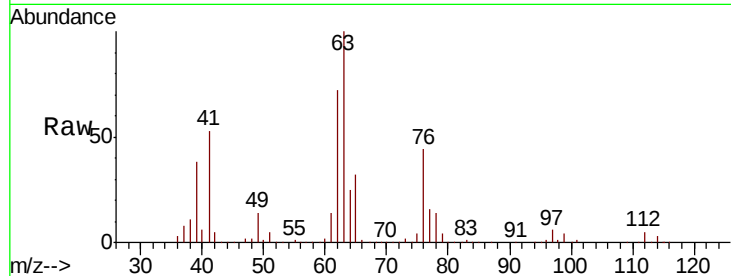
#45
 1,2-Dichloropropane
 Concen: 47.09 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion: 63 Resp: 183250
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 36.8

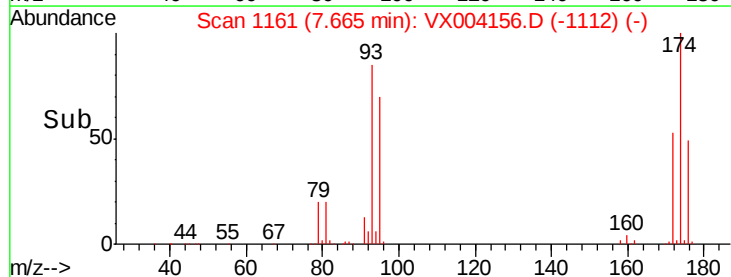
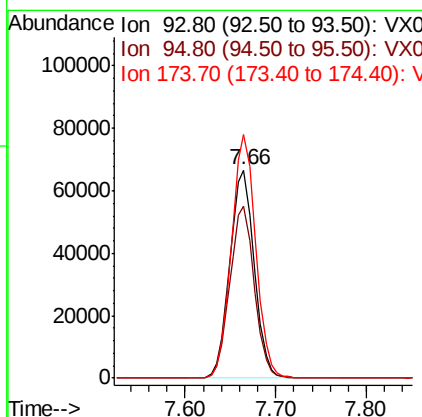
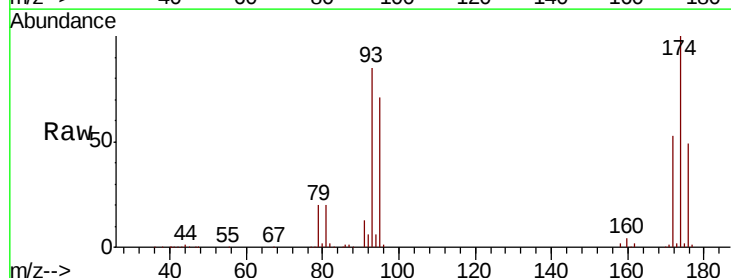
Manual Integrations
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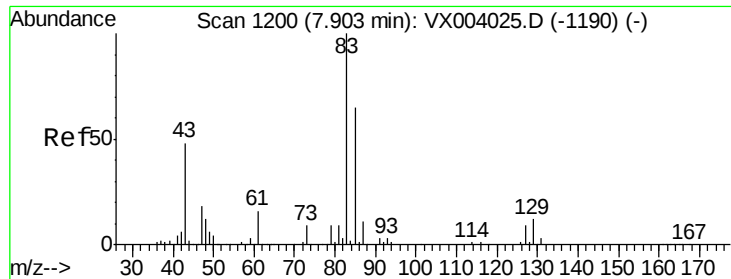
MMDadoda
 8/21/2018 11:16:50 AM



#46
 Dibromomethane
 Concen: 49.04 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion: 93 Resp: 124715
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.4 99.6
 174 116.4 94.3 141.5





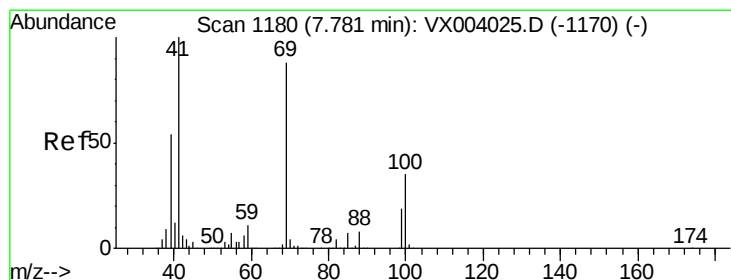
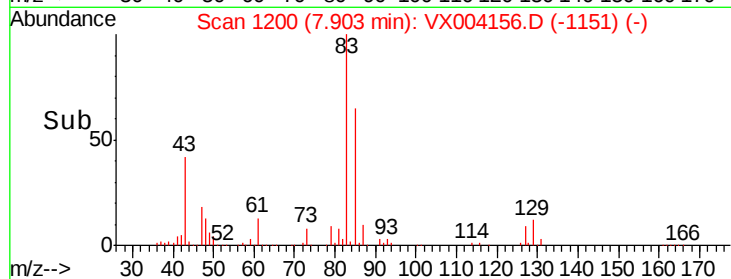
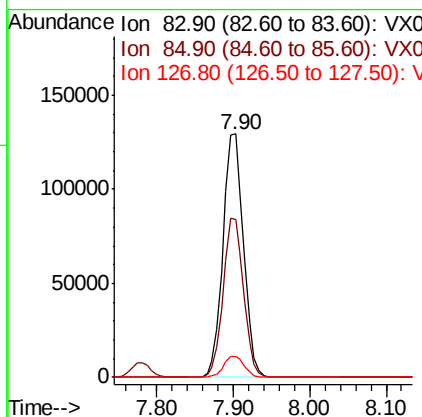
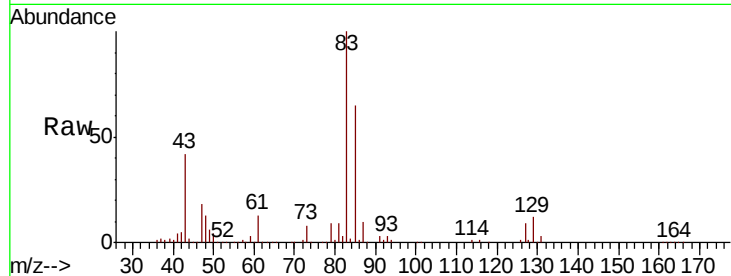
#47
Bromodichloromethane
Concen: 50.01 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	240862		
85	64.9		51.2	76.8
127	8.6		7.2	10.8

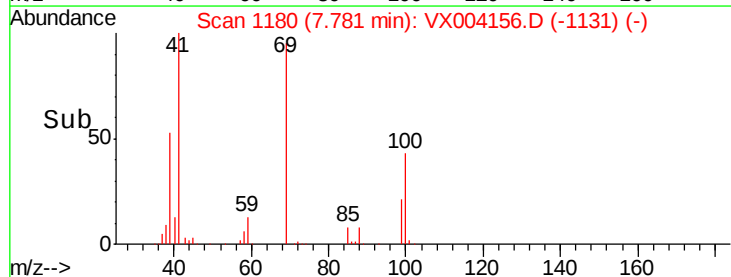
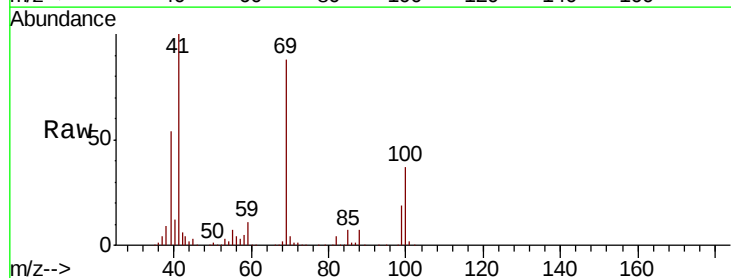
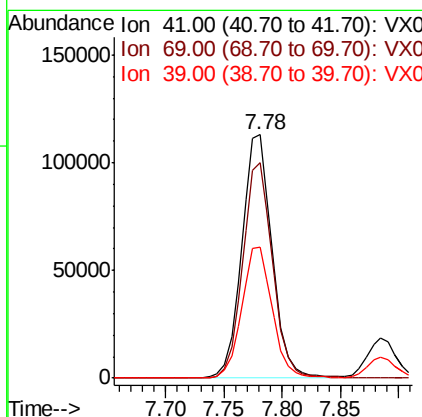
Manual Integrations
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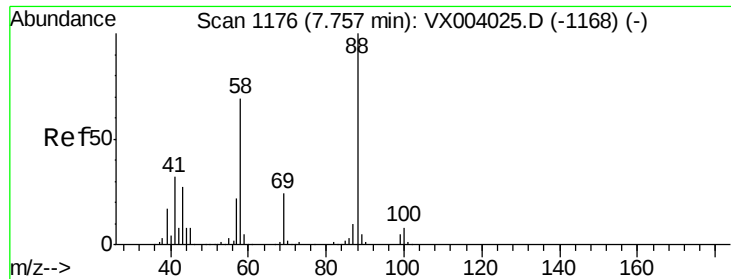
MMDadoda
8/21/2018 11:16:50 AM



#48
Methyl methacrylate
Concen: 49.79 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	203659		
69	88.3		68.8	103.2
39	54.1		42.3	63.5





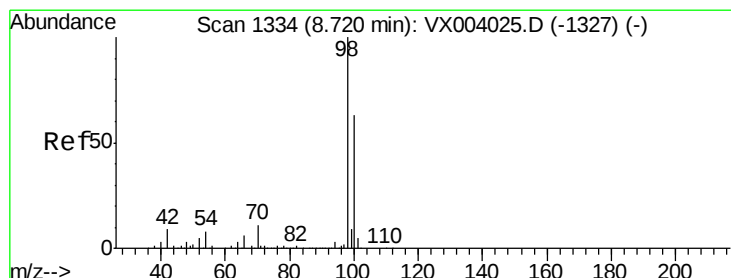
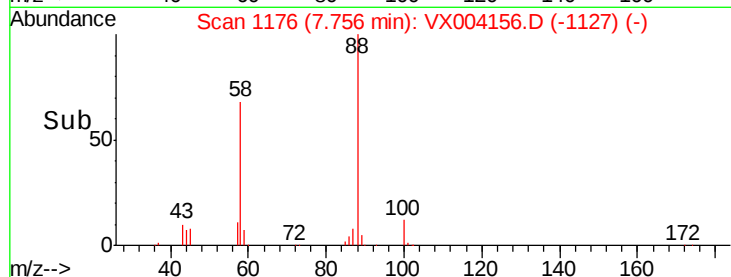
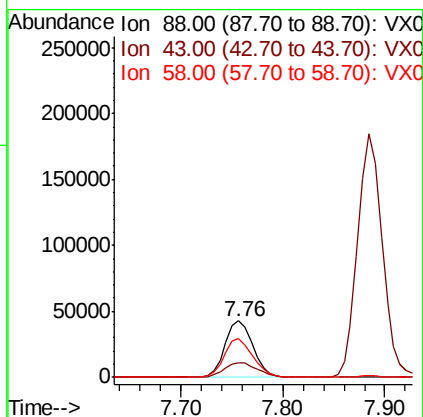
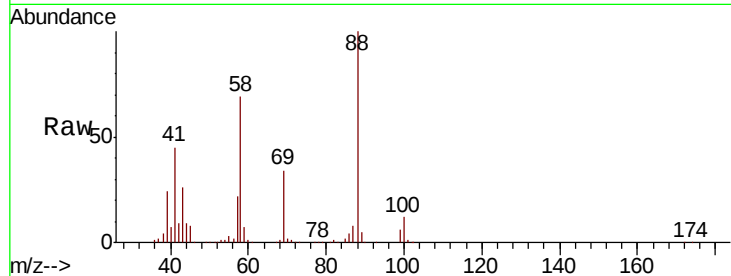
#49
1,4-Dioxane
Concen: 888.13 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	23.8	35.8
58	70.5	55.4	83.0

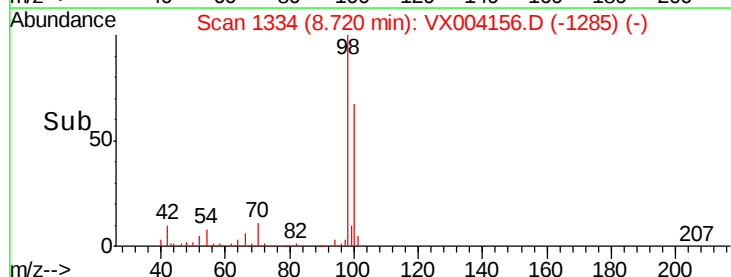
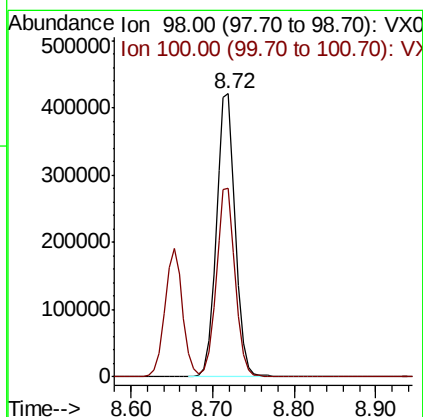
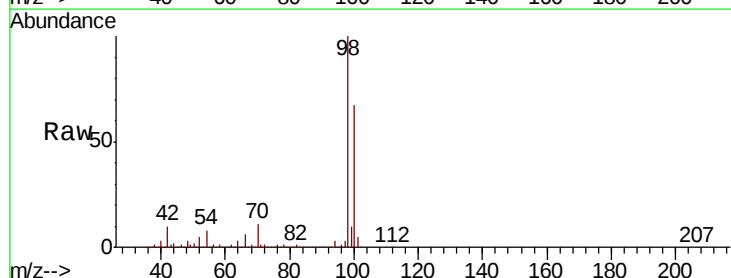
Manual Integrations
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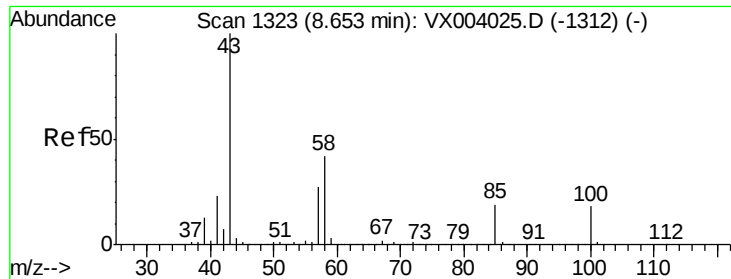
MMDadoda
8/21/2018 11:16:50 AM



#50
Toluene-d8
Concen: 50.55 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.3	79.9





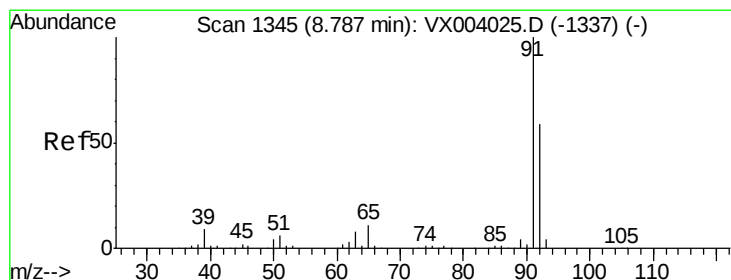
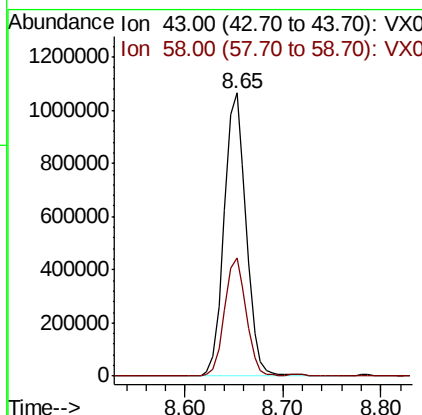
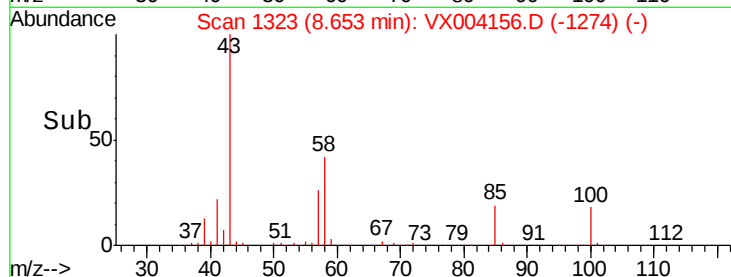
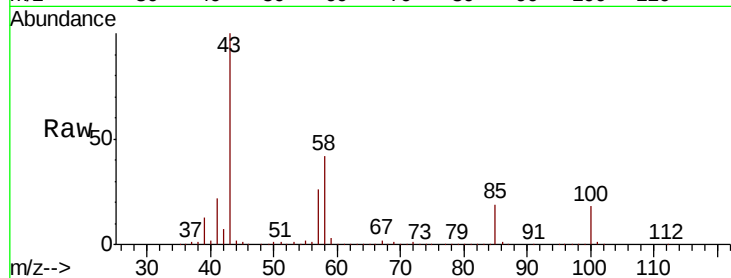
#51
4-Methyl-2-Pentanone
Concen: 248.77 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion: 43 Resp: 1657588
Ion Ratio Lower Upper
43 100
58 41.2 33.0 49.6

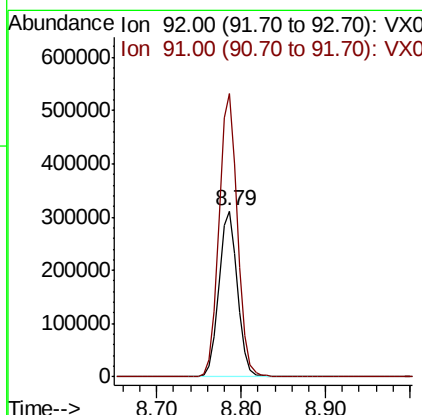
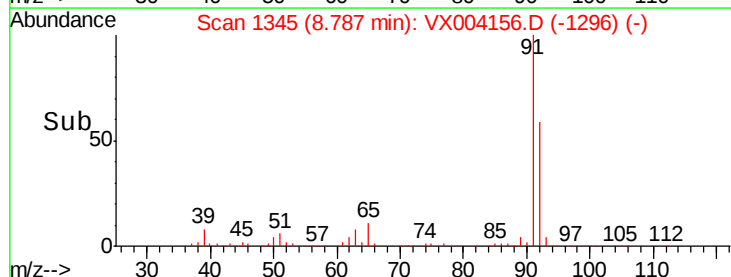
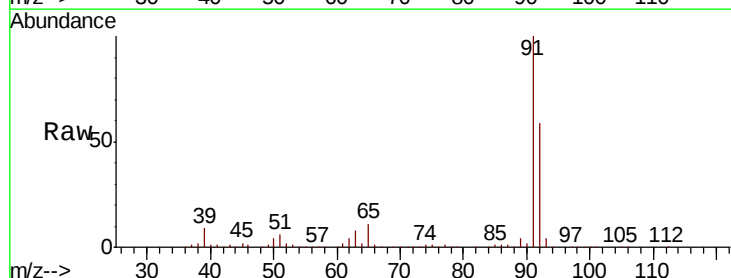
Manual Integrations
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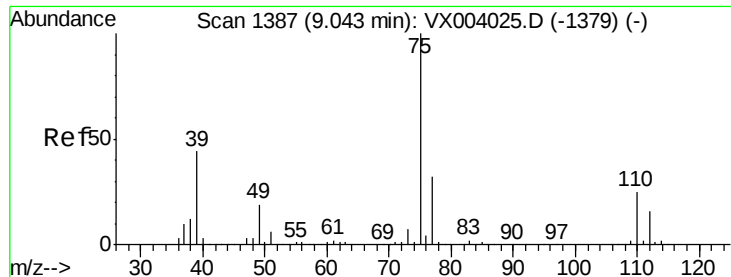
MMDadoda
8/21/2018 11:16:50 AM



#52
Toluene
Concen: 49.47 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion: 92 Resp: 475650
Ion Ratio Lower Upper
92 100
91 170.0 136.1 204.1





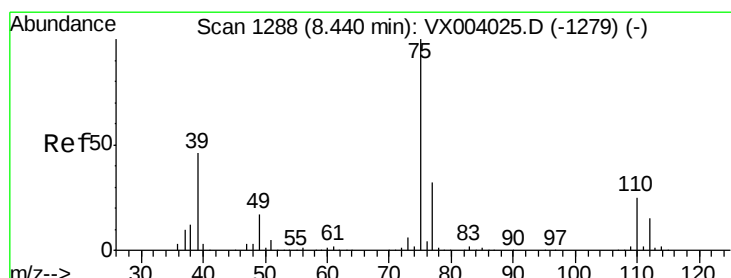
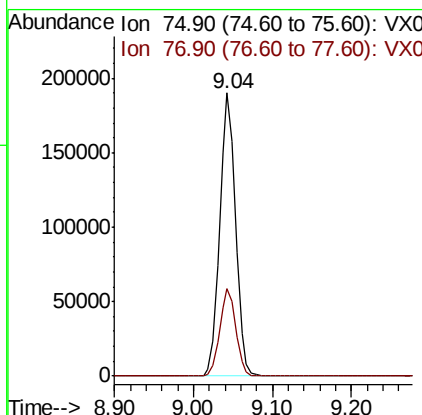
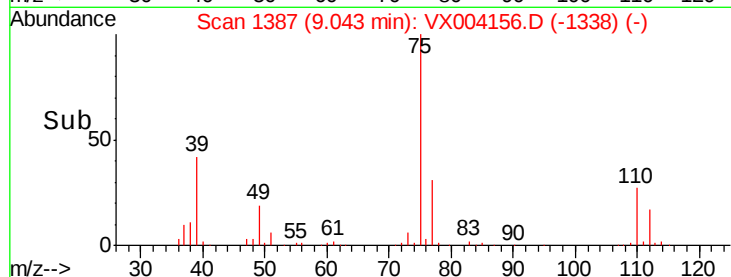
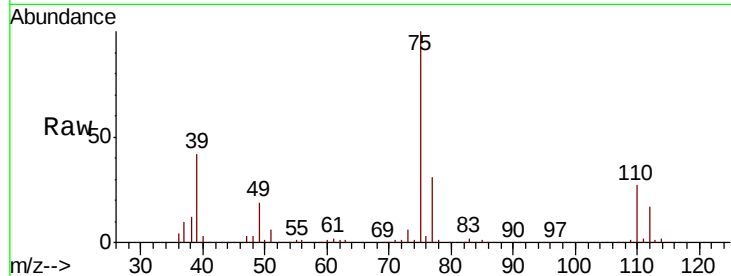
#53
 t-1,3-Dichloropropene
 Concen: 51.13 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion: 75 Resp: 266035
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.1 37.7

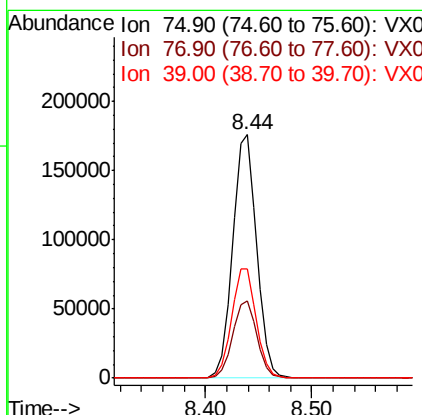
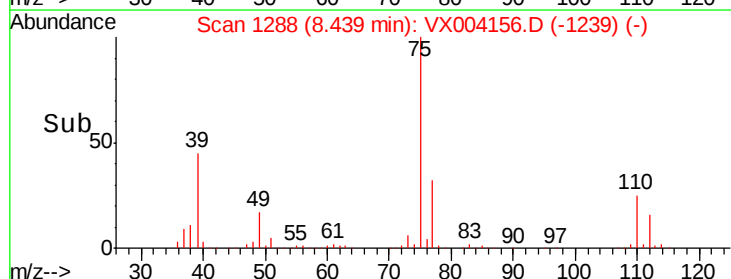
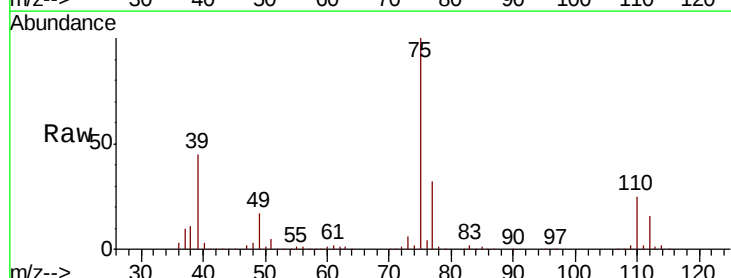
Manual Integrations
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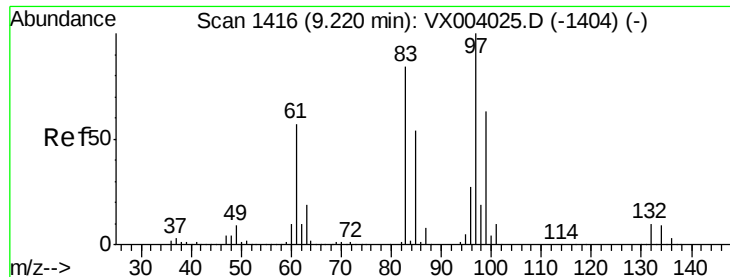
MMDadoda
 8/21/2018 11:16:50 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.26 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion: 75 Resp: 278079
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.3 37.9
 39 45.0 36.2 54.2





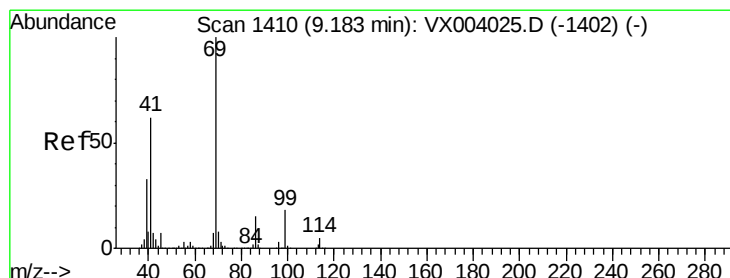
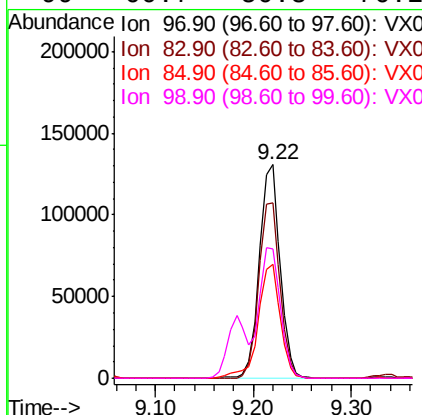
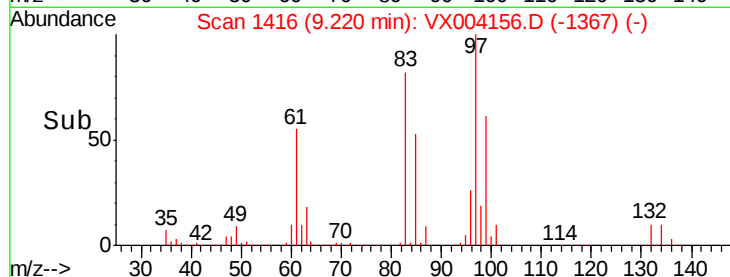
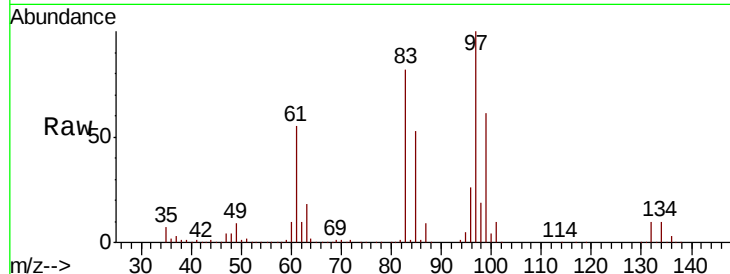
#55
 1,1,2-Trichloroethane
 Concen: 48.54 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		192732		
83	81.8	67.8	101.6		
85	53.3	44.2	66.2		
99	60.7	50.8	76.2		

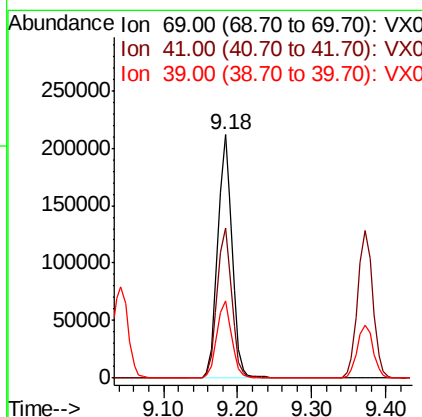
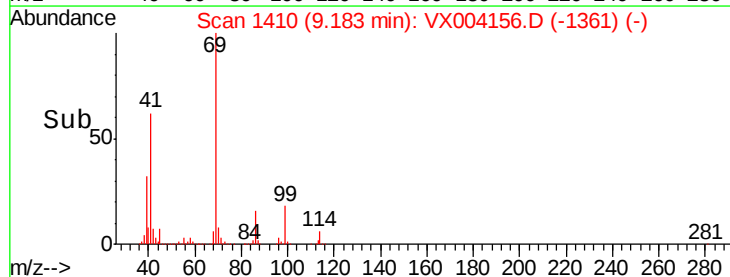
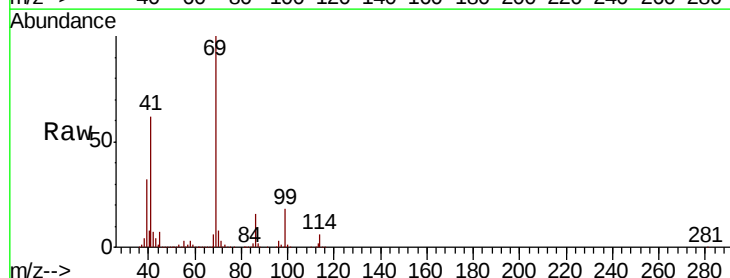
Manual Integrations
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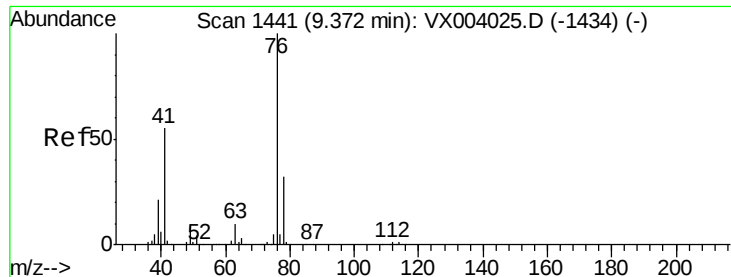
MMDadoda
 8/21/2018 11:16:50 AM



#56
 Ethyl methacrylate
 Concen: 51.92 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		280309		
41	63.2	50.6	76.0		
39	32.5	25.8	38.6		





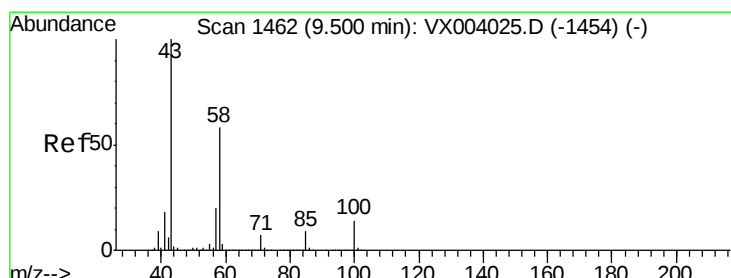
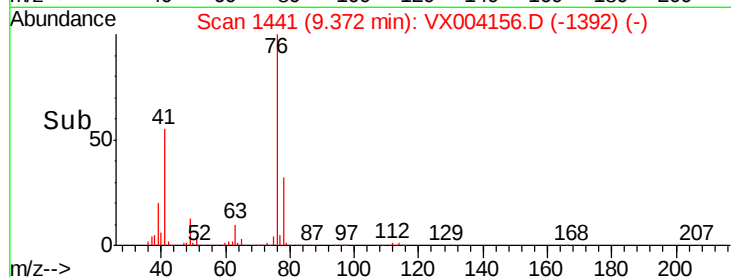
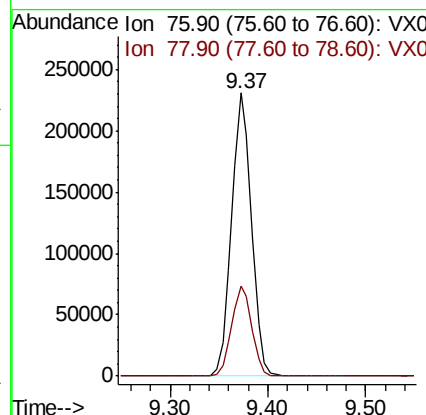
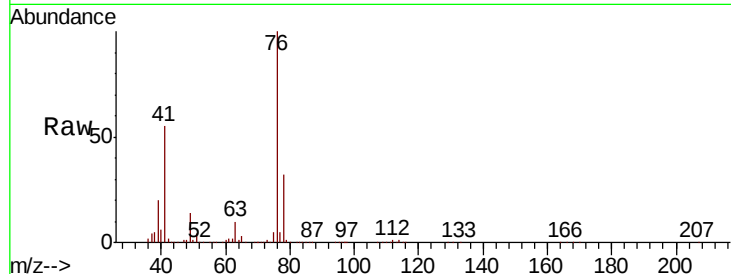
#57
 1,3-Dichloropropane
 Concen: 49.42 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

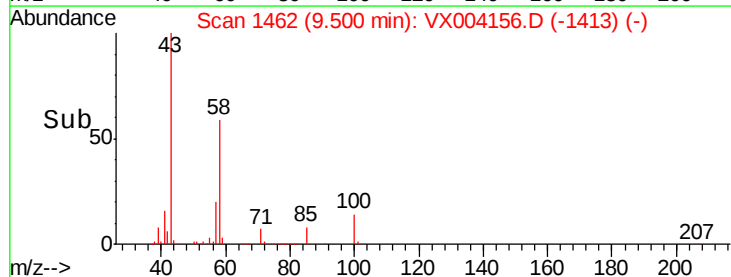
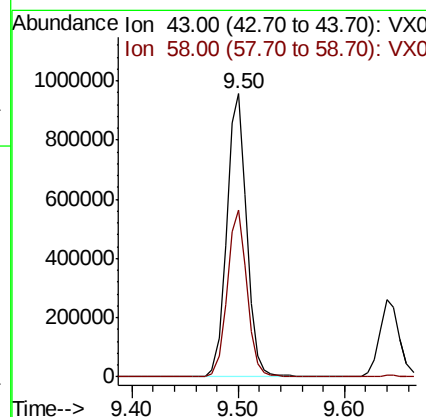
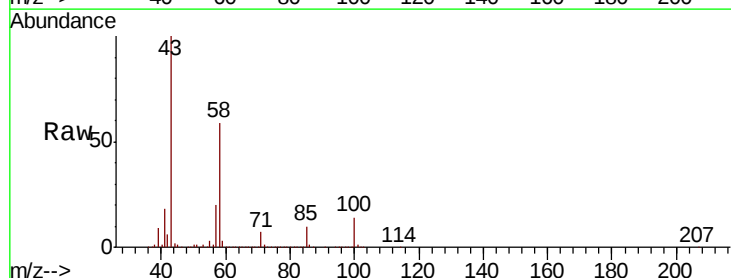
Manual Integrations
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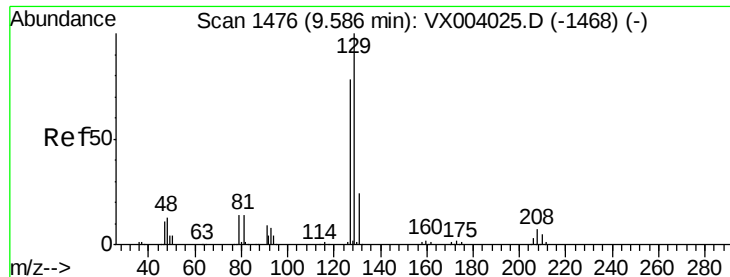
MMDadoda
 8/21/2018 11:16:50 AM



#59
 2-Hexanone
 Concen: 249.61 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.3	29.0	87.0





#60

Dibromochloromethane

Concen: 50.87 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

Tot Ion:129 Resp: 194379

Ion Ratio Lower Upper

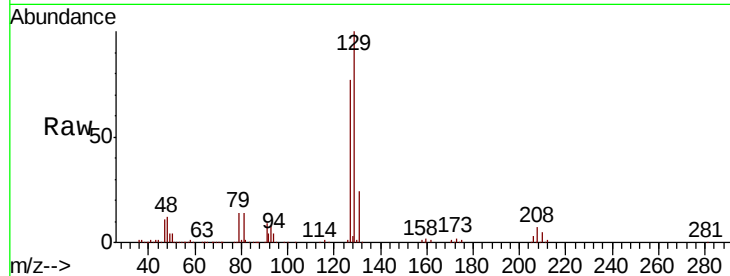
129 100

127 77.9 38.8 116.3

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

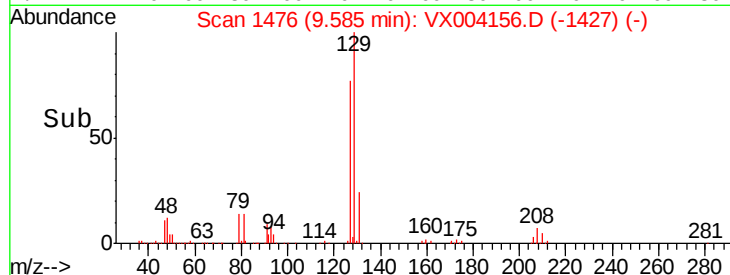
150000

100000

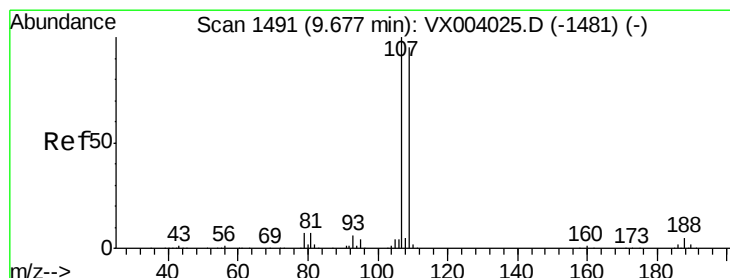
50000

0

9.50 9.55 9.60 9.65



Time-->



#61

1,2-Dibromoethane

Concen: 49.17 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004156.D

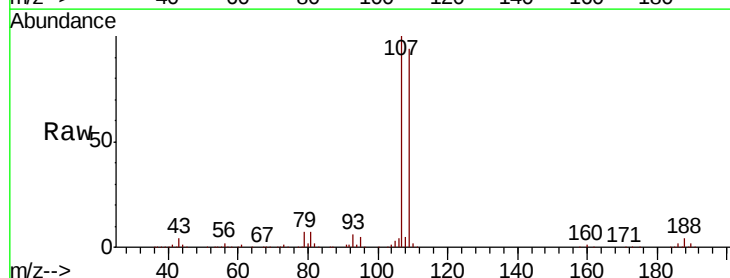
Acq: 20 Aug 2018 16:42

Tgt Ion:107 Resp: 199011

Ion Ratio Lower Upper

107 100

109 94.4 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

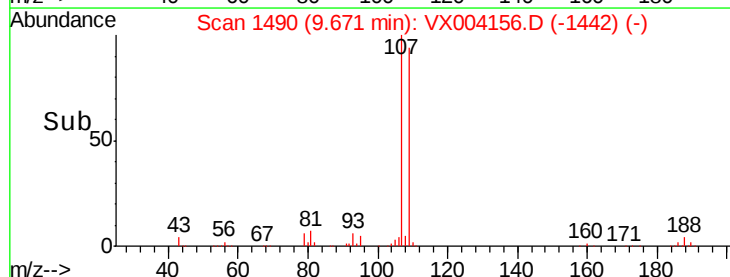
150000

100000

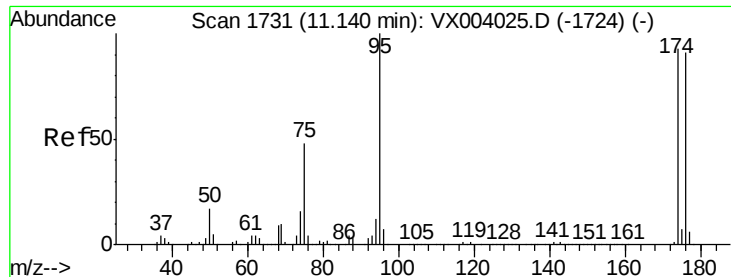
50000

0

9.60 9.65 9.70 9.75



Time-->



#62

4-Bromofluorobenzene

Concen: 51.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

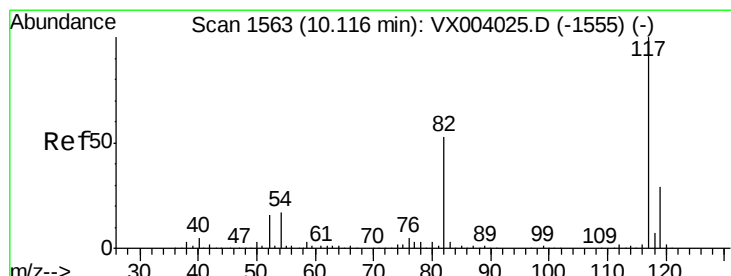
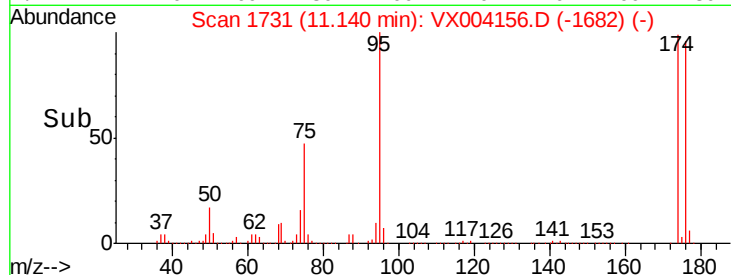
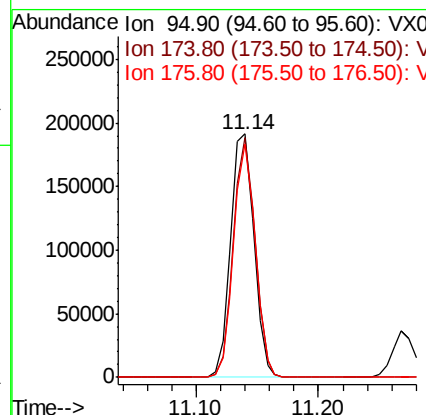
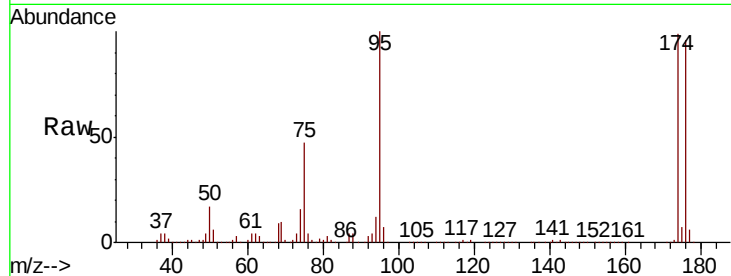
ClientSampleId :

KY070MW233-180815MSD

Tot Ion:	95	Resp:	252259
Ion Ratio	Lower	Upper	
95	100		
174	92.2	0.0	182.8
176	89.4	0.0	179.0

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8/21/2018 11:16:50 AM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

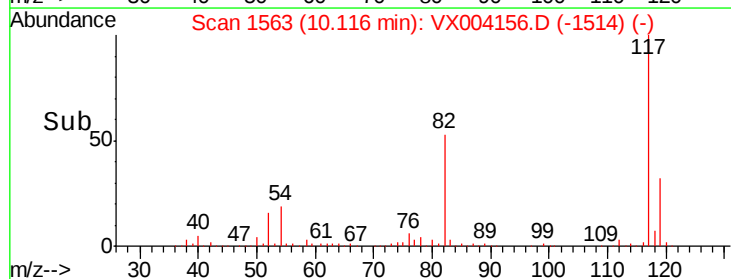
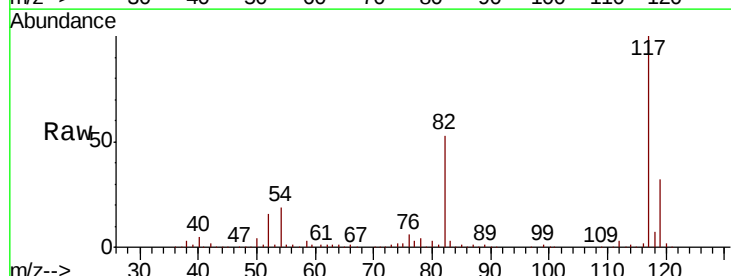
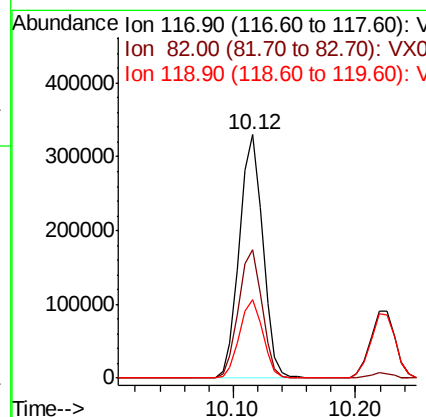
RT: 10.12 min Scan# 1563

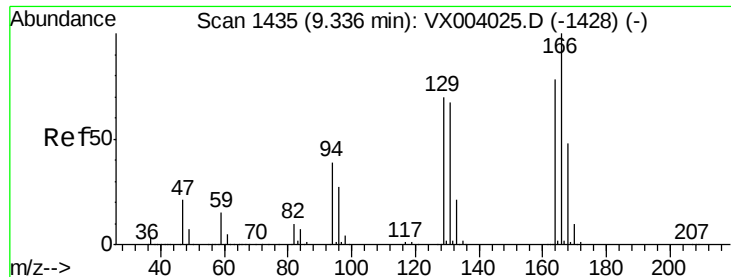
Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Tgt Ion:	117	Resp:	435023
Ion Ratio	Lower	Upper	
117	100		
82	52.5	45.4	68.0
119	32.1	26.6	40.0





#64

Tetrachloroethene

Concen: 42.94 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

Tot Ion:164 Resp: 177056

Ion Ratio Lower Upper

164 100

166 127.0 98.0 147.0

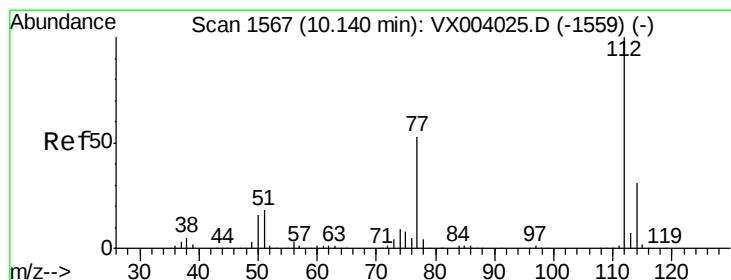
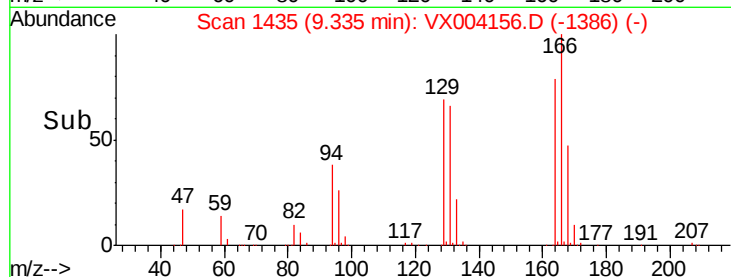
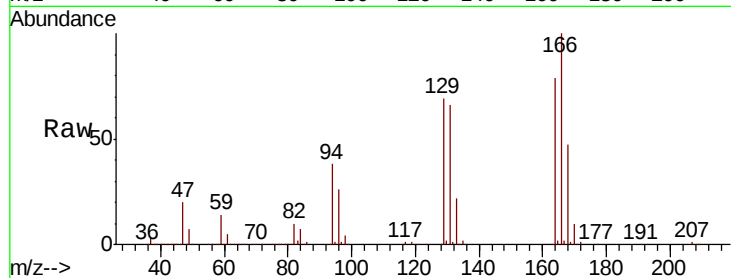
129 88.2 64.3 96.5

131 84.1 66.8 100.2

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8/21/2018 11:16:50 AM



#65

Chlorobenzene

Concen: 47.64 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004156.D

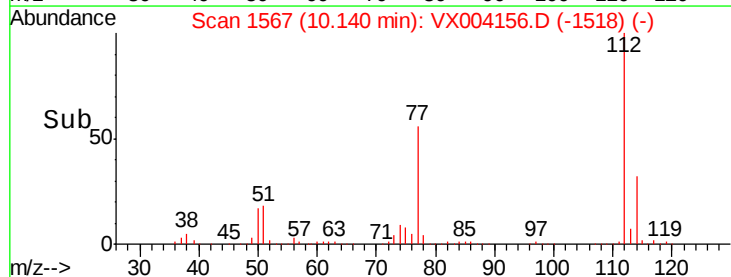
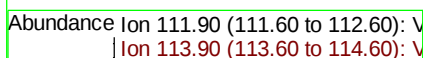
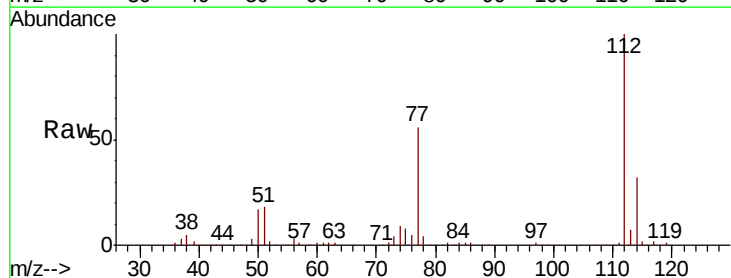
Acq: 20 Aug 2018 16:42

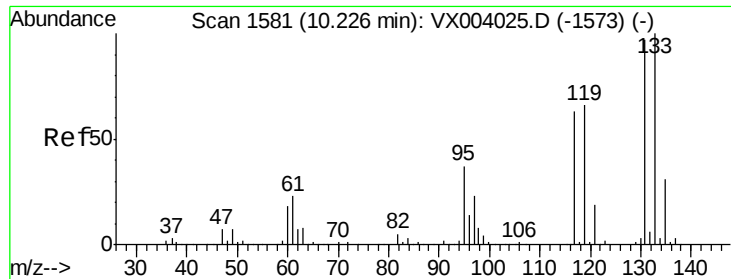
Tgt Ion:112 Resp: 535303

Ion Ratio Lower Upper

112 100

114 32.0 23.6 35.4





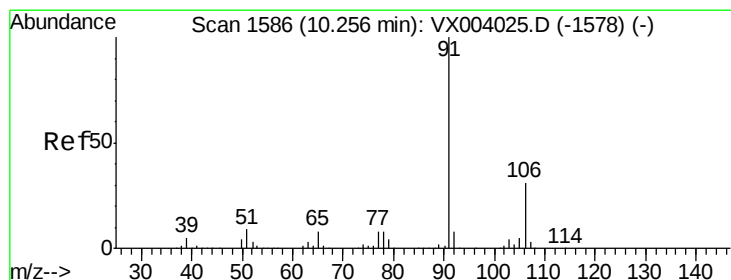
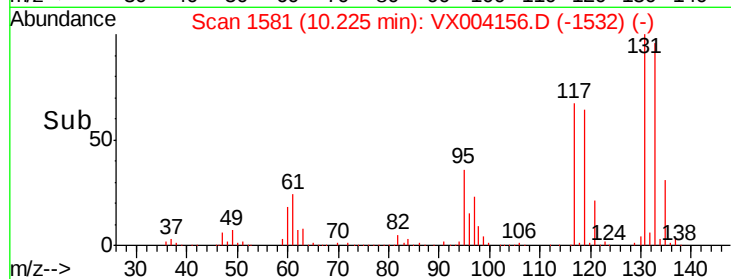
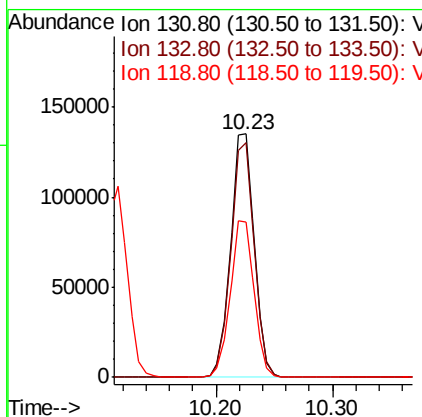
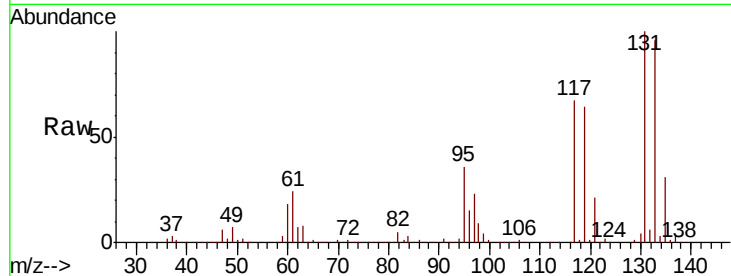
#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.86 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	191111		
133	95.4	47.3	141.8	
119	64.3	31.6	94.8	

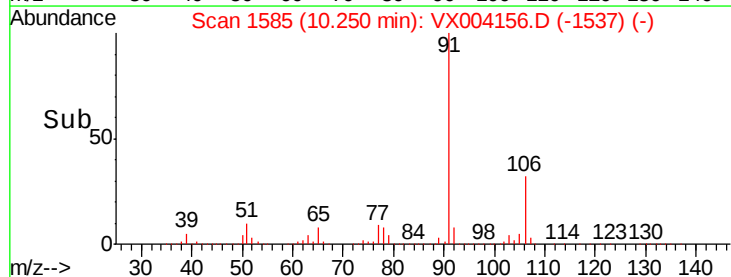
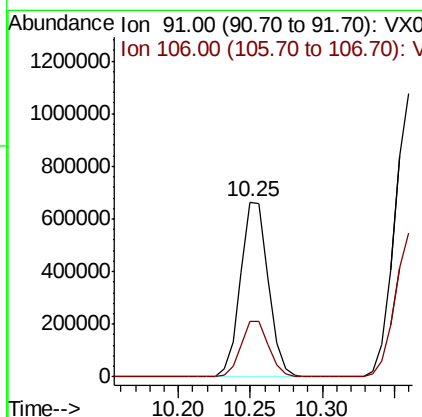
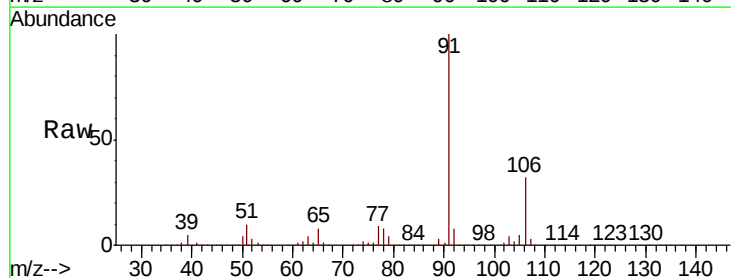
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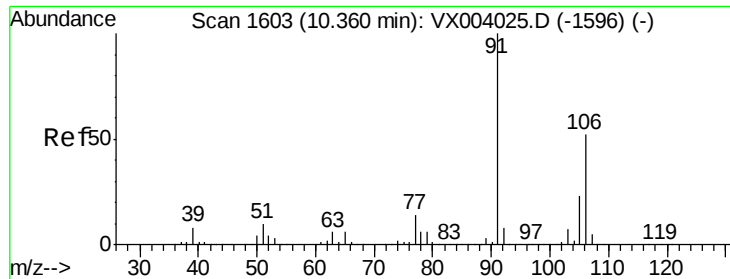
MMDadoda
 8/21/2018 11:16:50 AM



#67
 Ethyl Benzene
 Concen: 50.18 ug/l
 RT: 10.25 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	892827		
106	31.6	25.9	38.9	





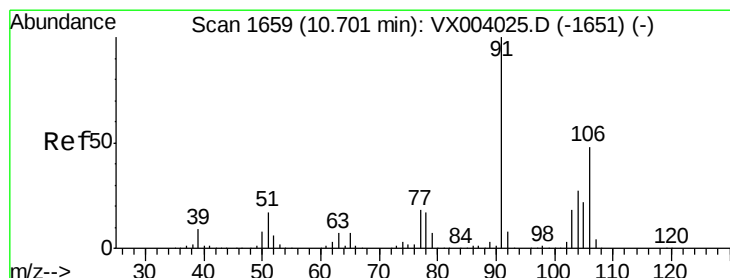
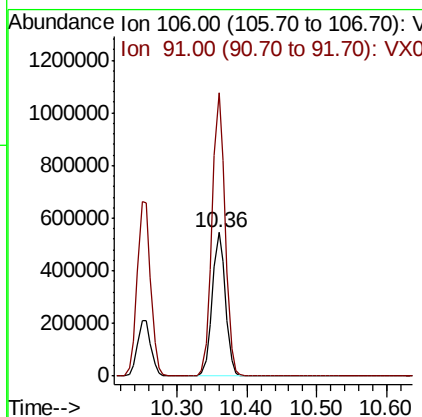
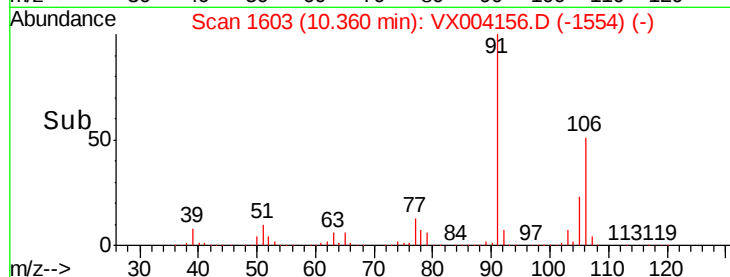
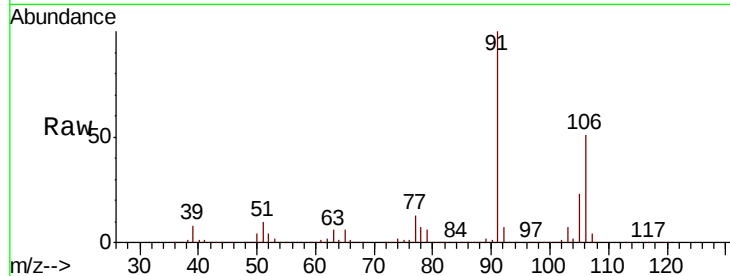
#68
m/p-Xylenes
Concen: 102.62 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion:106 Resp: 715099
Ion Ratio Lower Upper
106 100
91 195.4 162.3 243.5

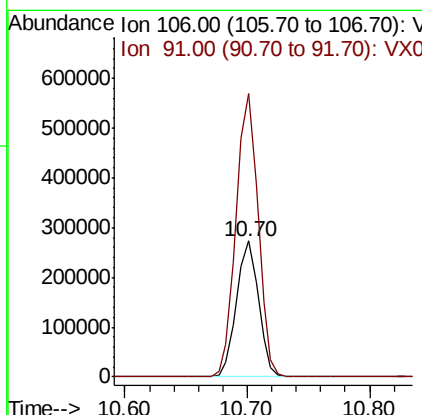
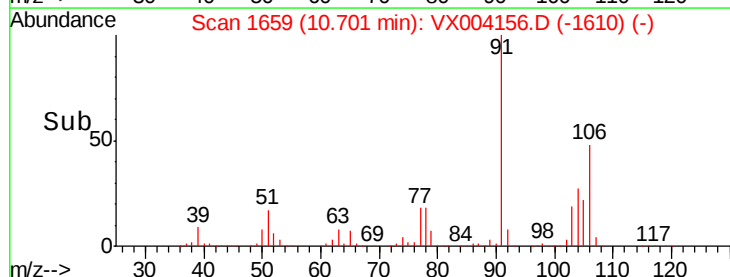
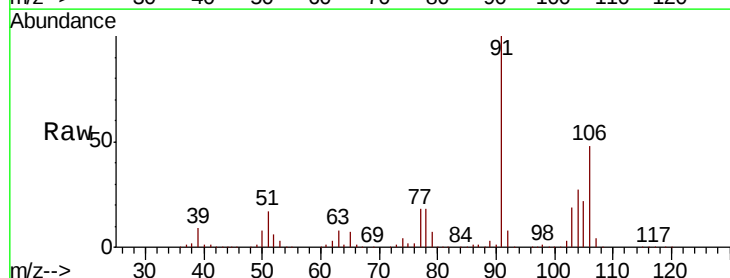
Manual Integrations
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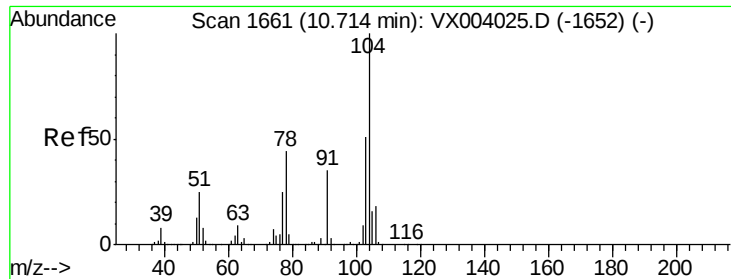
MMDadoda
8/21/2018 11:16:50 AM



#69
o-Xylene
Concen: 51.14 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion:106 Resp: 340556
Ion Ratio Lower Upper
106 100
91 209.3 101.9 305.7





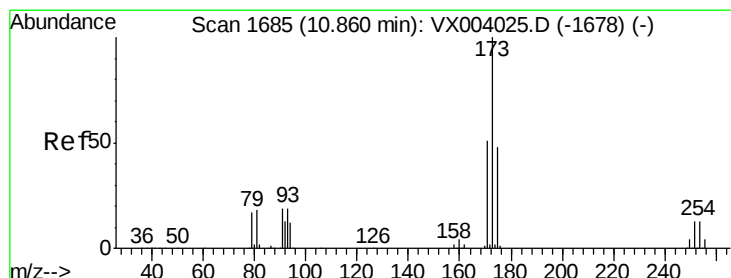
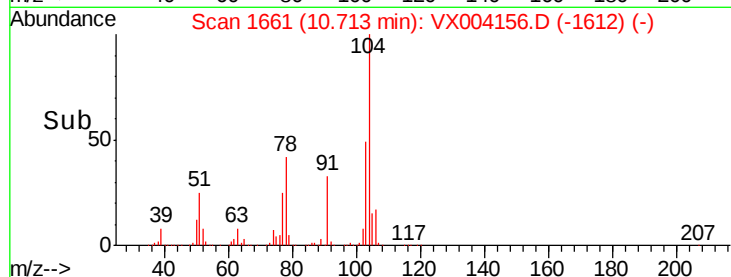
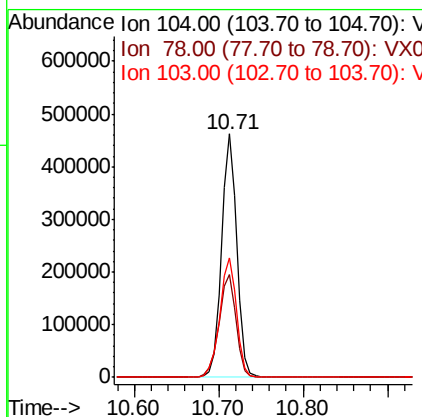
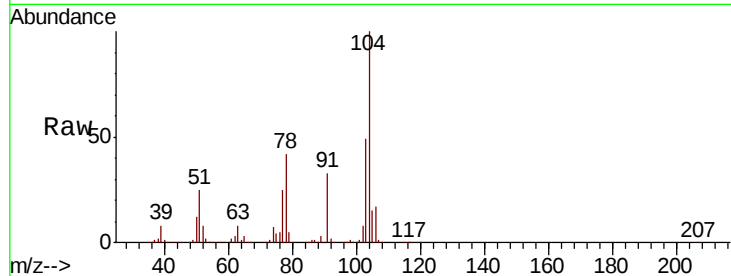
#70
Stvrene
Concen: 51.76 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	580130		
78	47.5		39.8	59.6
103	54.0		44.3	66.5

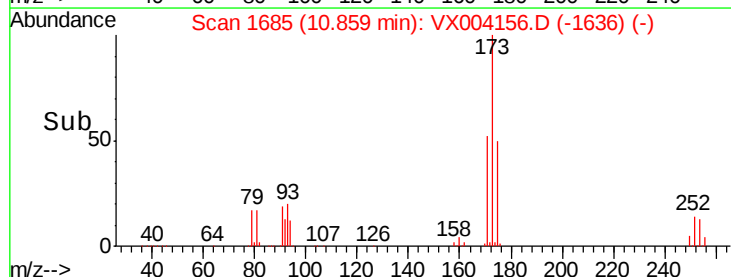
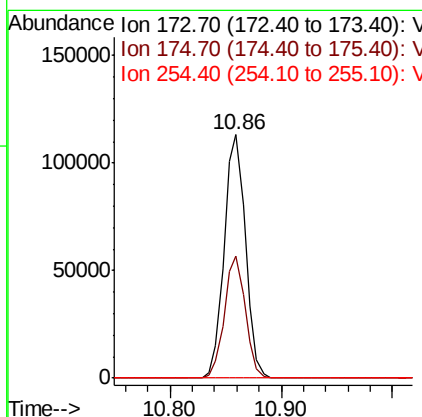
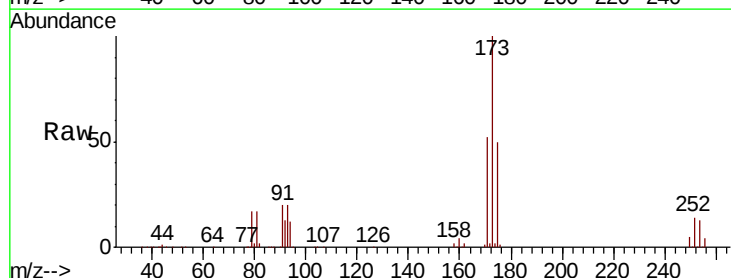
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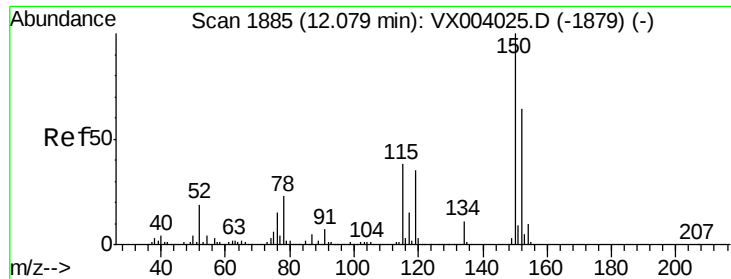
MMDadoda
8/21/2018 11:16:50 AM



#71
Bromoform
Concen: 49.22 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	149576		
175	49.2		24.9	74.7
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: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

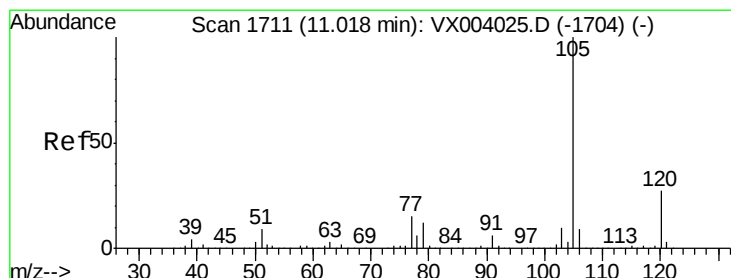
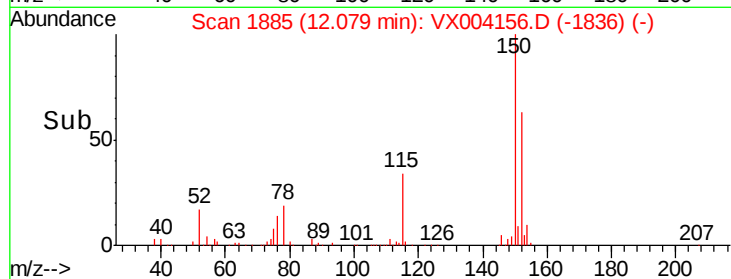
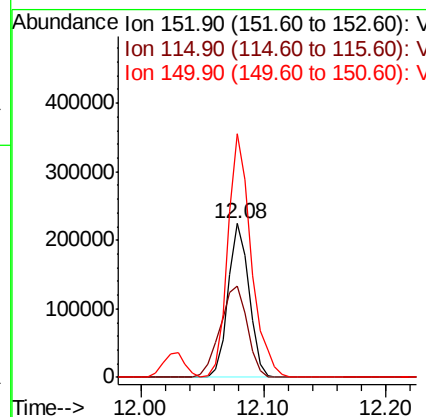
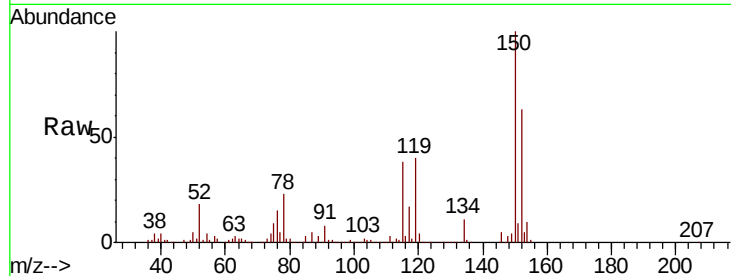
ClientSampleId :

KY070MW233-180815MSD

Tot Ion:	152	Resp:	266045
Ion Ratio	Lower	Upper	
152	100		
115	78.1	39.1	117.3
150	175.3	0.0	349.2

Manual Integrations
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8/21/2018 11:16:50 AM



#73

Isopropylbenzene

Concen: 50.26 ug/l

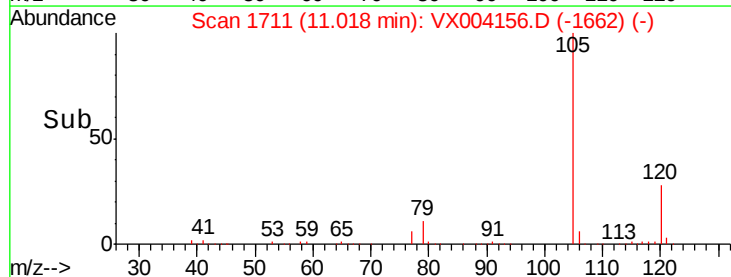
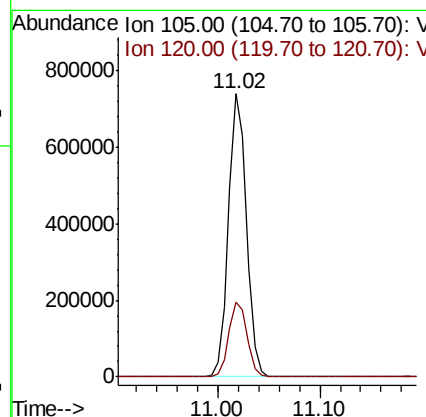
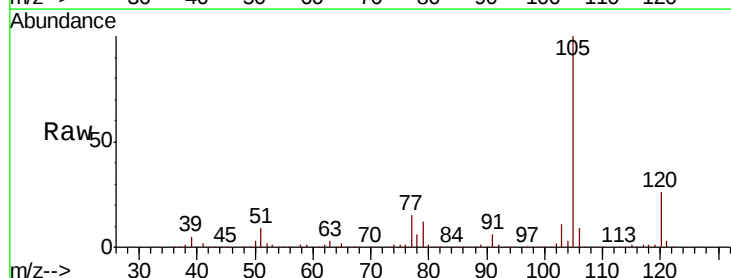
RT: 11.02 min Scan# 1711

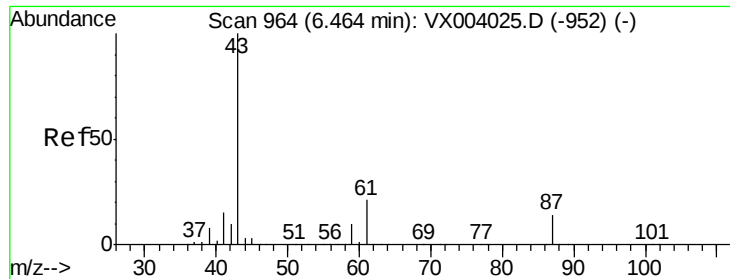
Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Tgt Ion:	105	Resp:	904859
Ion Ratio	Lower	Upper	
105	100		
120	26.8	12.6	37.8





#74

N-amvl acetate

Concen: 43.81 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

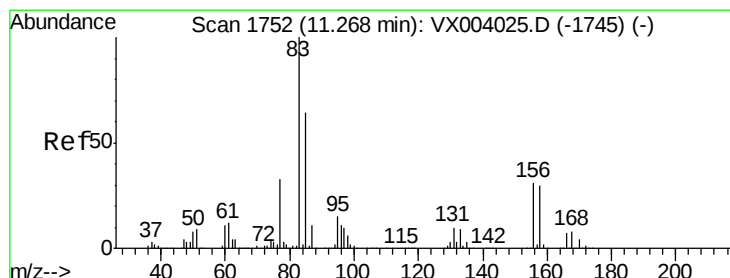
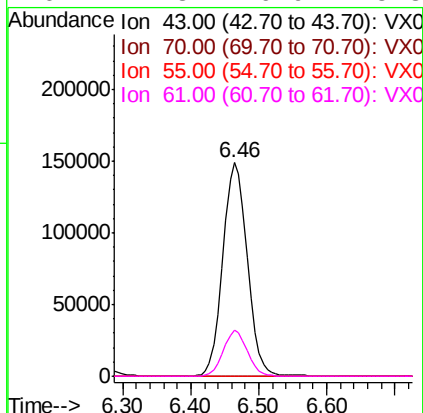
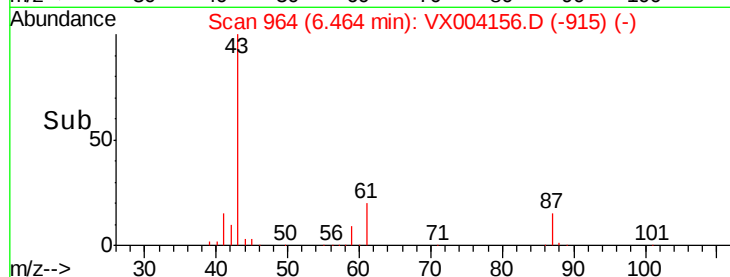
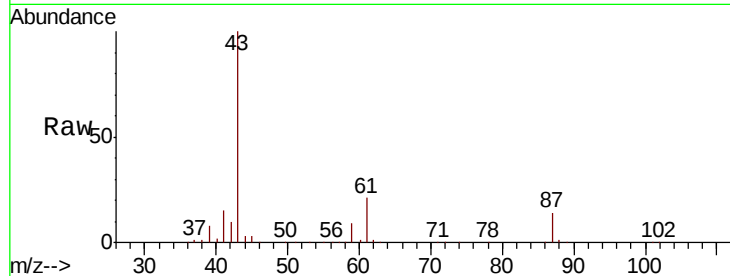
ClientSampleId :

KY070MW233-180815MSD

Tot Ion	43	Resp	371024
Ion Ratio	Lower	Upper	
43	100		
70	0.0	0.0	0.0
55	0.1	0.1	0.1#
61	21.3	16.9	25.3

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#75

1,1,2,2-Tetrachloroethane

Concen: 47.99 ug/l

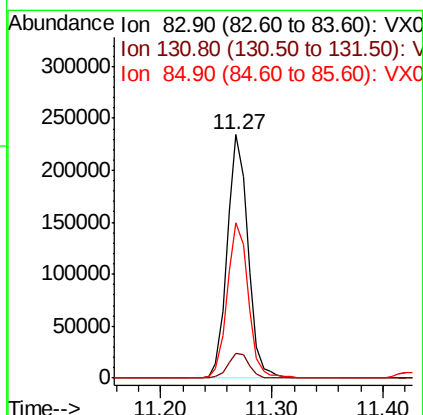
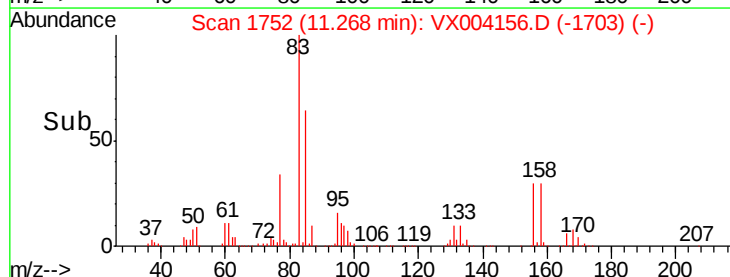
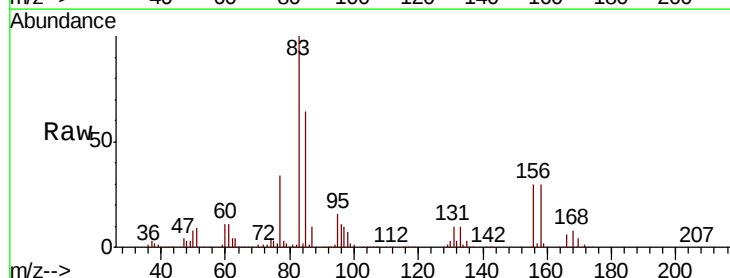
RT: 11.27 min Scan# 1752

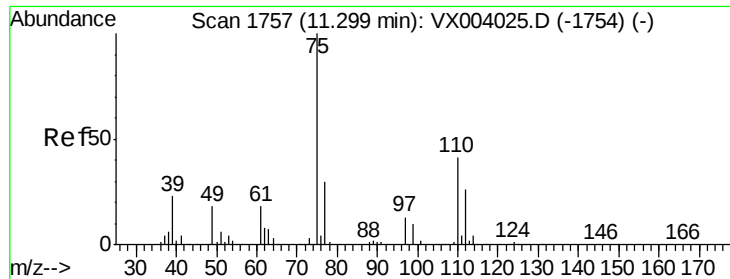
Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Tgt Ion	83	Resp	301746
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.6	32.2	96.6





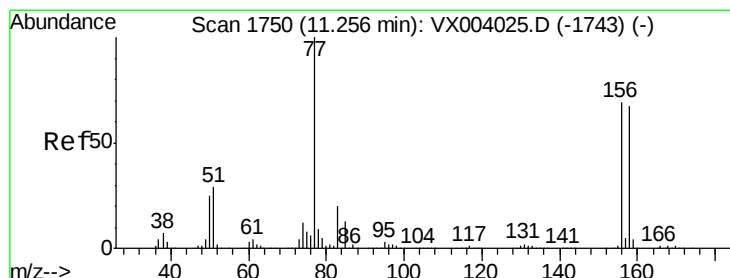
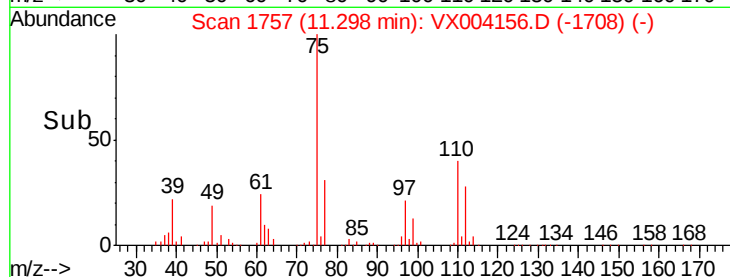
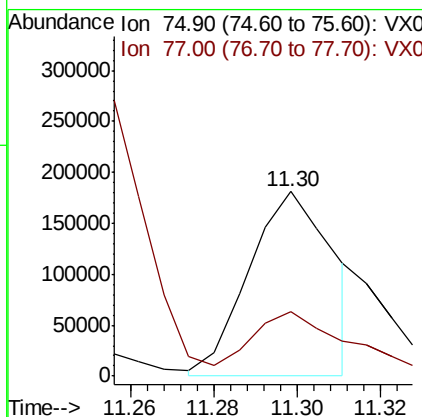
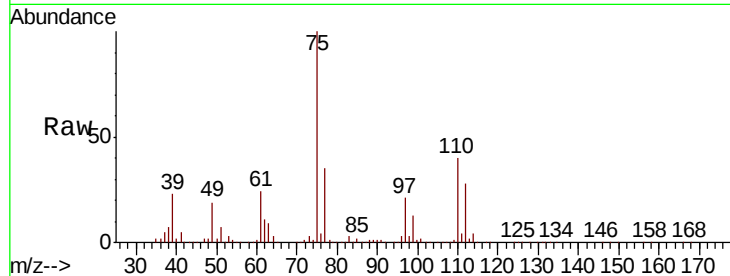
#76
 1,2,3-Trichloropropane
 Concen: 47.18 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion: 75 Resp: 251696
 Ion Ratio Lower Upper
 75 100
 77 41.1 20.8 62.5

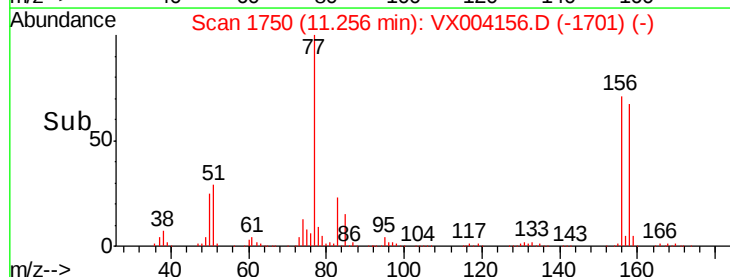
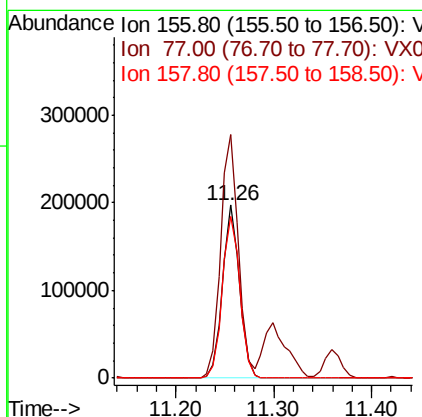
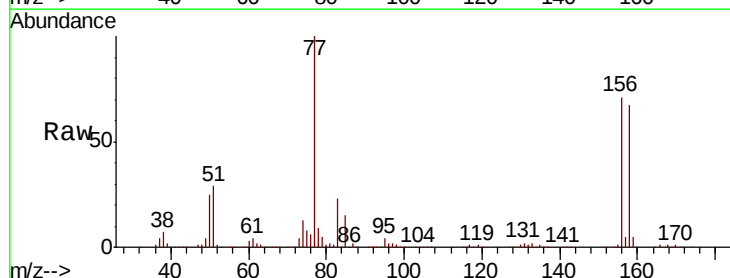
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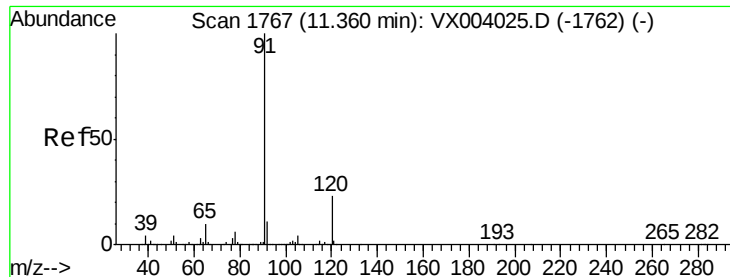
MMDadoda
 8/21/2018 11:16:50 AM



#77
 Bromobenzene
 Concen: 47.86 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion: 156 Resp: 237531
 Ion Ratio Lower Upper
 156 100
 77 146.5 74.1 222.2
 158 97.3 48.6 145.9





#78

n-propylbenzene

Concen: 49.32 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

Tot Ion: 91 Resp: 993616

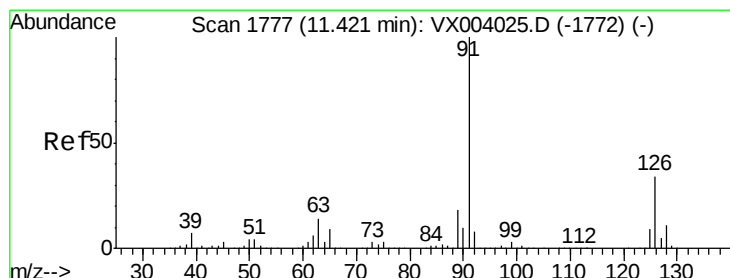
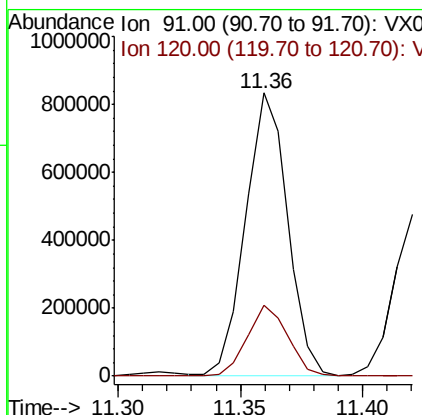
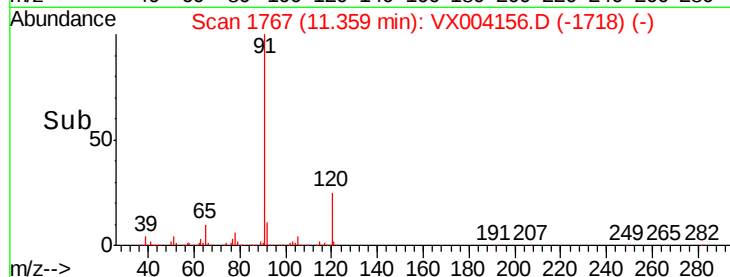
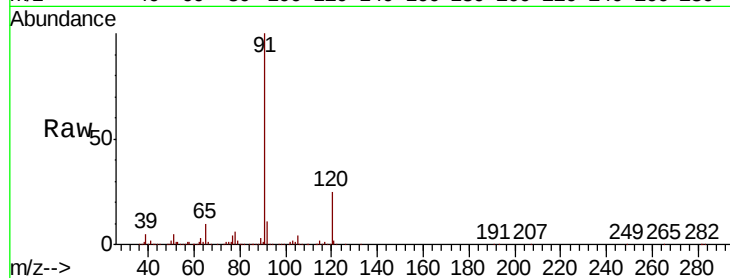
Ion Ratio Lower Upper

91 100

120 24.4 11.9 35.5

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8/21/2018 11:16:50 AM



#79

2-Chlorotoluene

Concen: 47.99 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004156.D

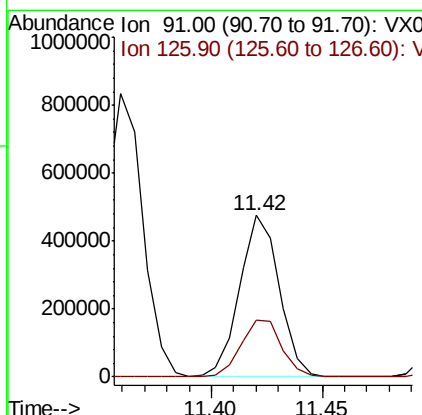
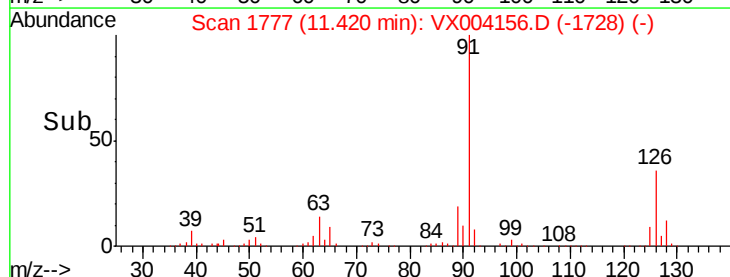
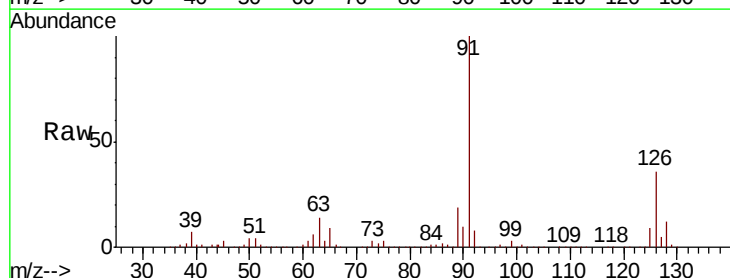
Acq: 20 Aug 2018 16:42

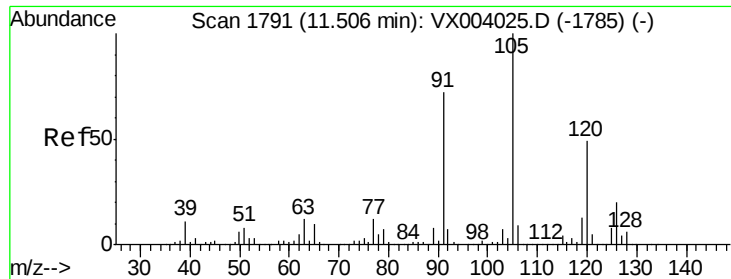
Tgt Ion: 91 Resp: 589207

Ion Ratio Lower Upper

91 100

126 36.5 17.4 52.3





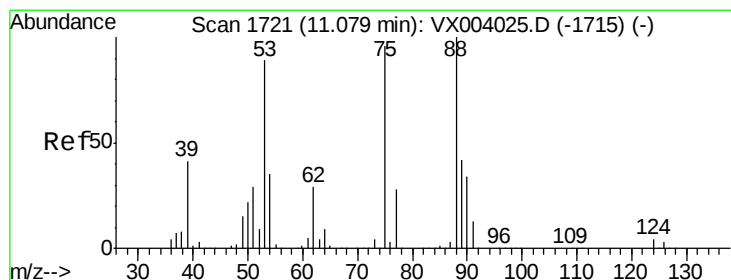
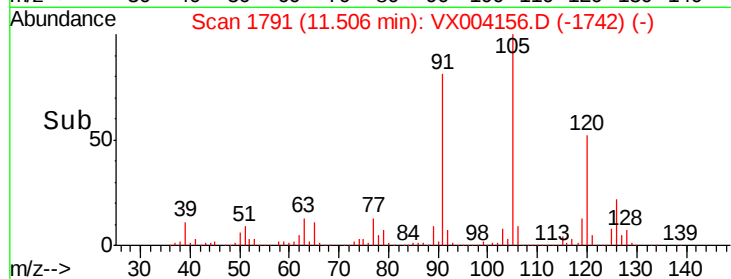
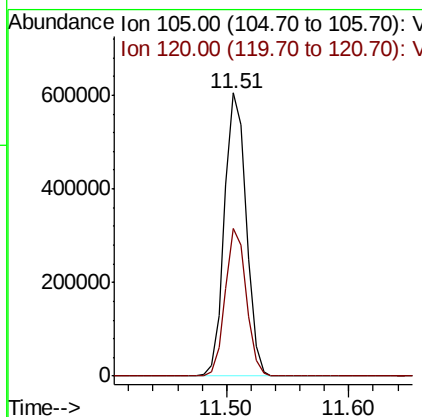
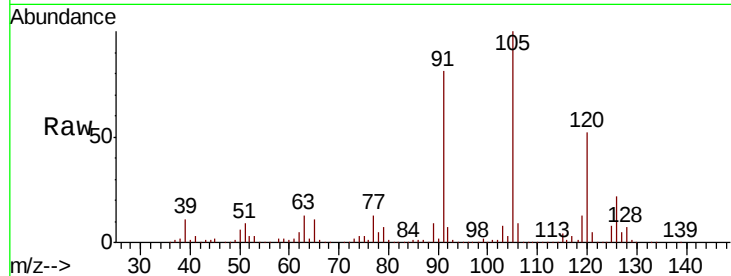
#80
 1,3,5-Trimethylbenzene
 Concen: 50.42 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion:105 Resp: 743330
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.4 76.2

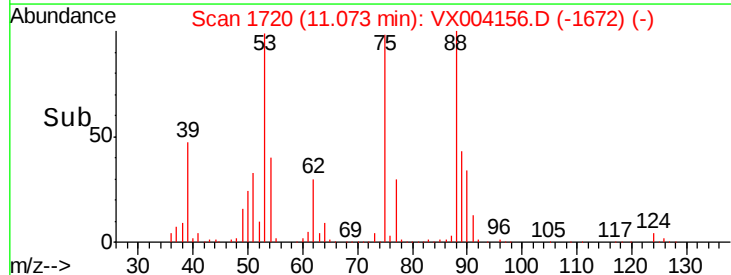
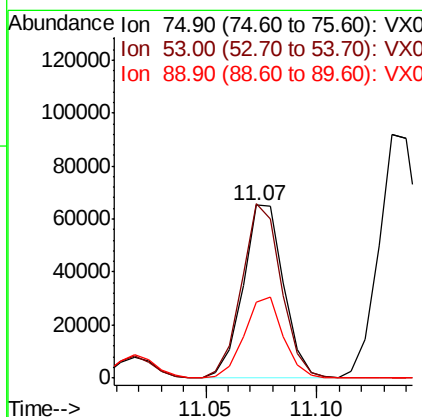
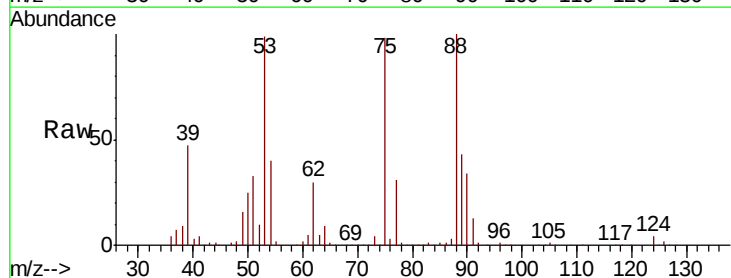
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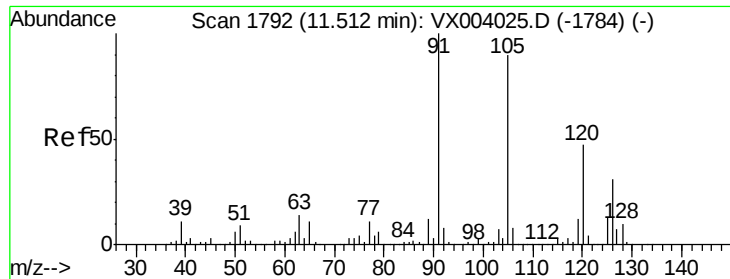
MMDadoda
 8/21/2018 11:16:50 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.90 ug/l
 RT: 11.07 min Scan# 1720
 Delta R.T. -0.01 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion: 75 Resp: 82554
 Ion Ratio Lower Upper
 75 100
 53 99.7 80.3 120.5
 89 45.4 37.8 56.8





#82

4-Chlorotoluene

Concen: 49.64 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

Tot Ion: 91 Resp: 720448

Ion Ratio Lower Upper

91 100

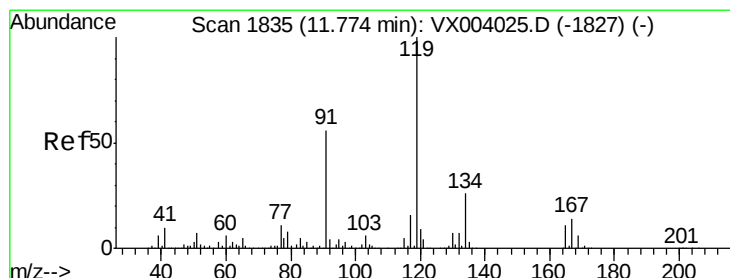
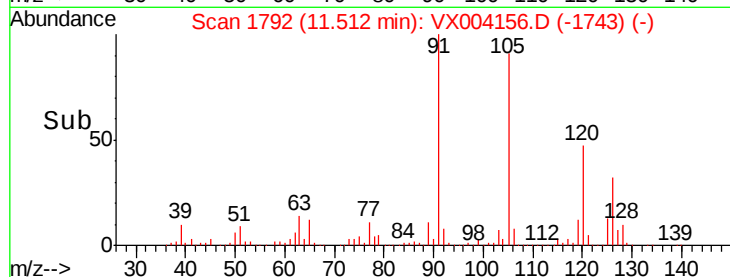
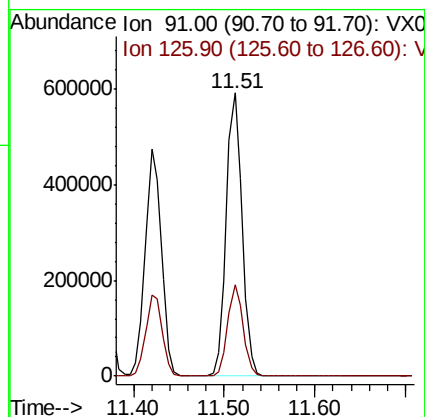
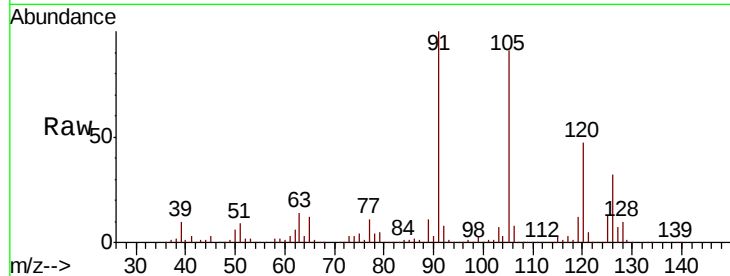
126 31.3 15.6 46.7

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#83

tert-Butylbenzene

Concen: 52.00 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

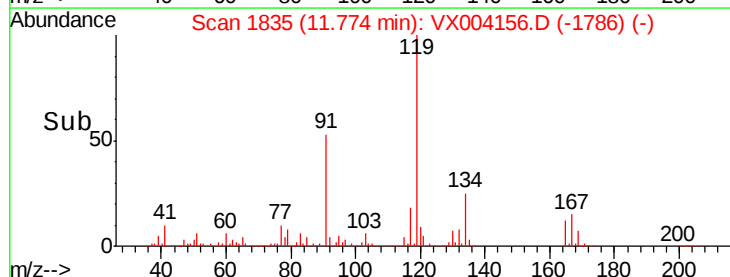
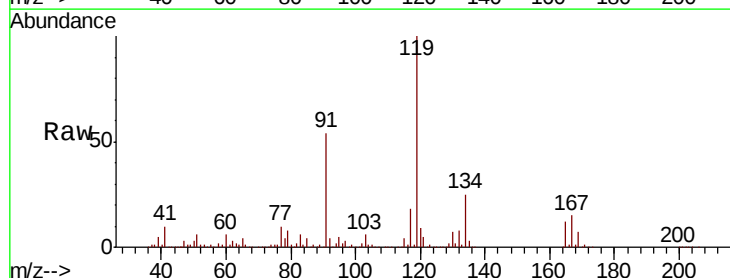
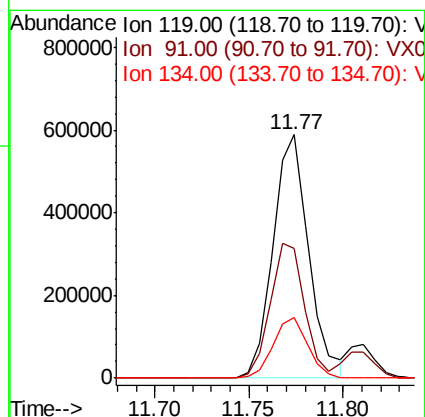
Tgt Ion: 119 Resp: 772938

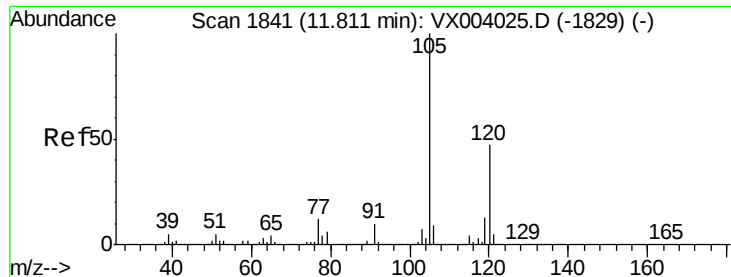
Ion Ratio Lower Upper

119 100

91 53.2 26.9 80.7

134 23.9 12.0 36.0





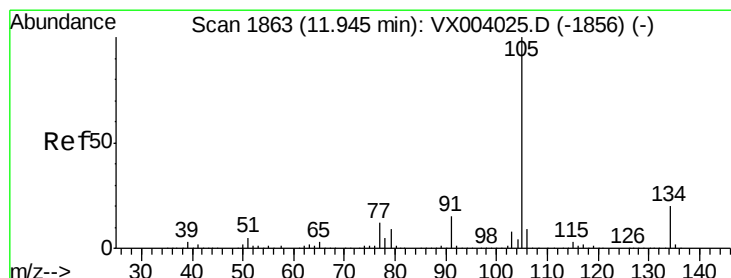
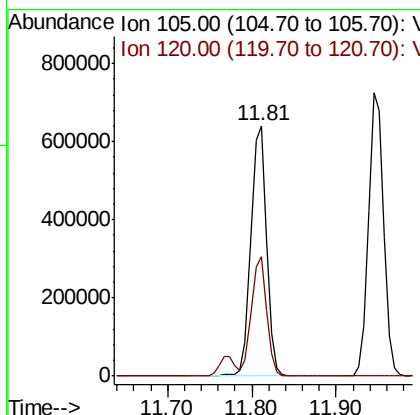
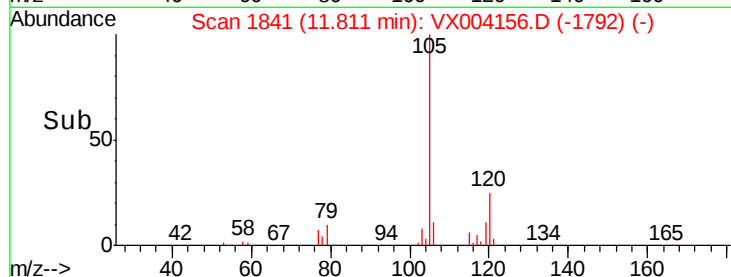
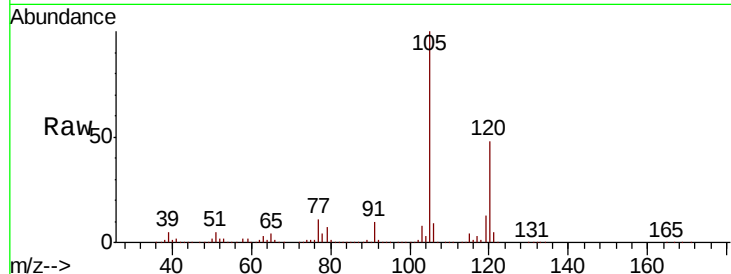
#84
 1,2,4-Trimethylbenzene
 Concen: 51.70 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion:105 Resp: 789309
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.1 69.2

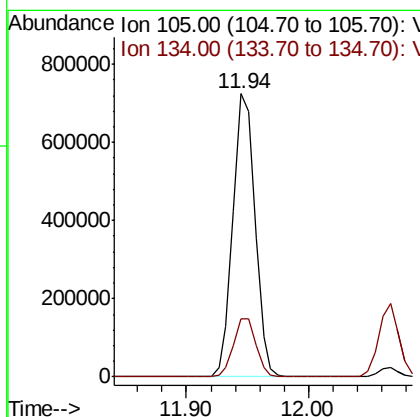
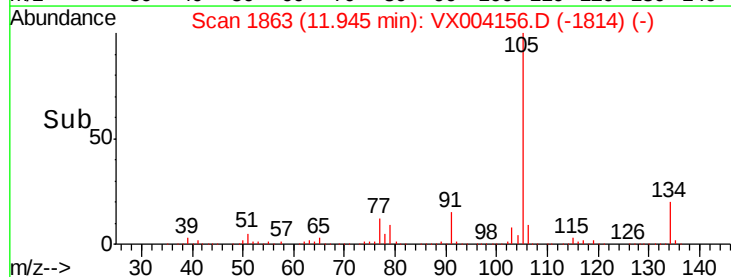
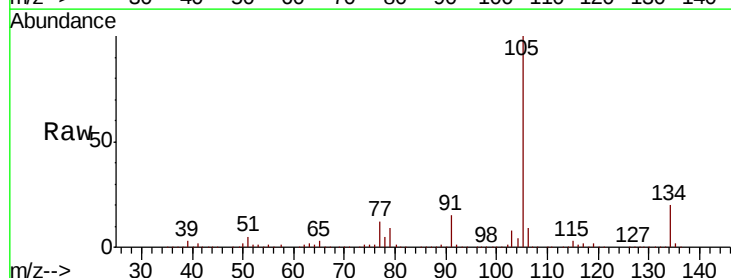
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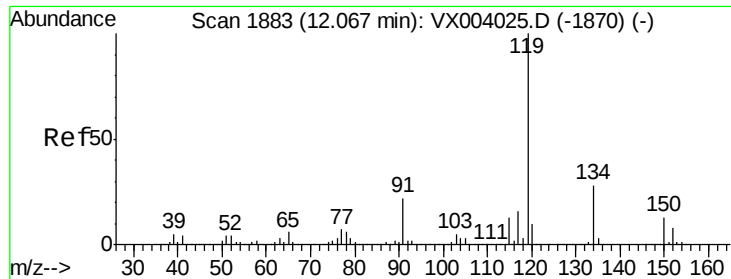
MMDadoda
 8/21/2018 11:16:50 AM



#85
 sec-Butylbenzene
 Concen: 51.89 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion:105 Resp: 902683
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.9





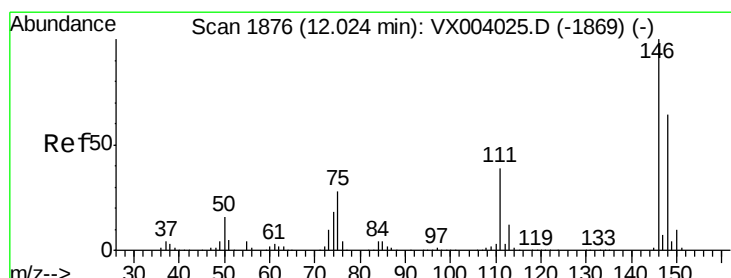
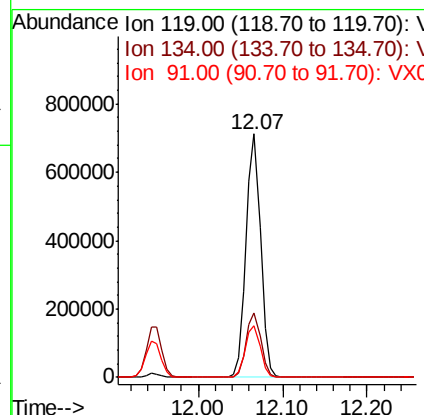
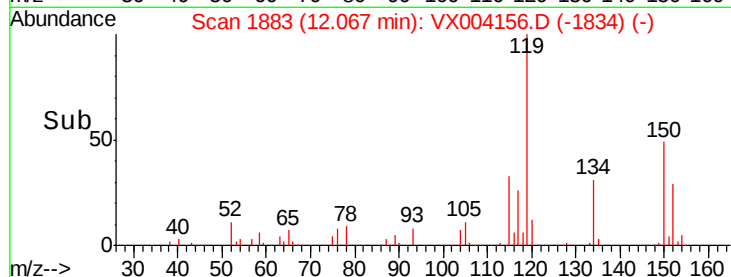
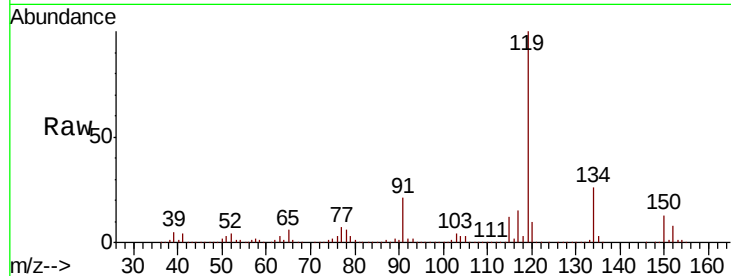
#86
p-Isopropyltoluene
Concen: 51.67 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	813690		
134	26.8	13.3	39.8	
91	21.9	10.9	32.7	

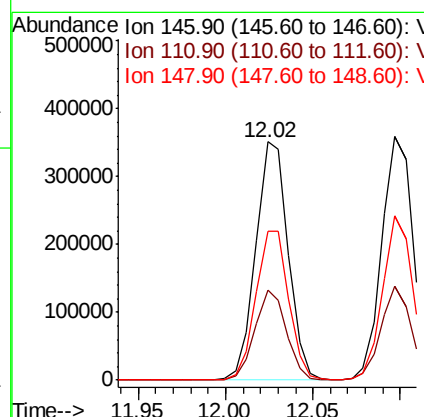
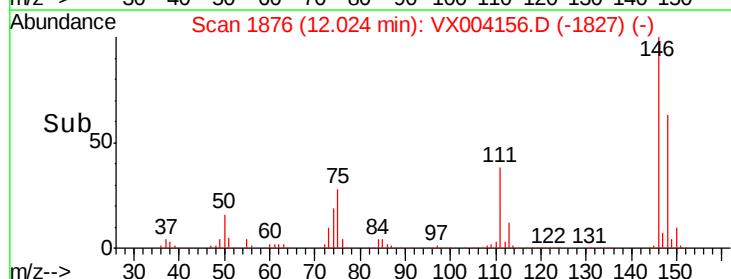
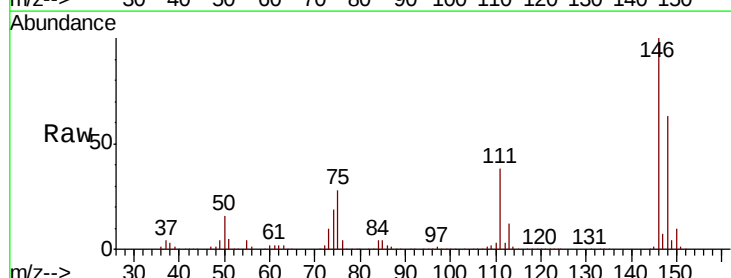
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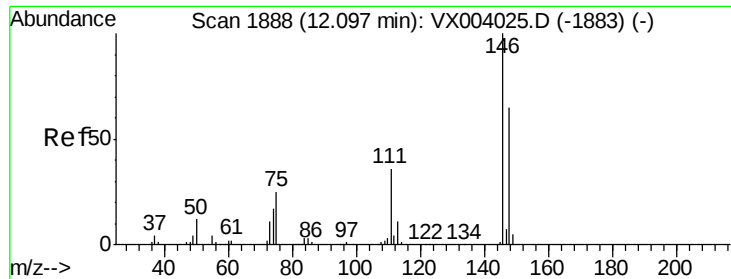
MMDadoda
8/21/2018 11:16:50 AM



#87
1,3-Dichlorobenzene
Concen: 47.67 ug/l
RT: 12.02 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	451225		
111	36.9	18.8	56.4	
148	63.8	31.9	95.5	





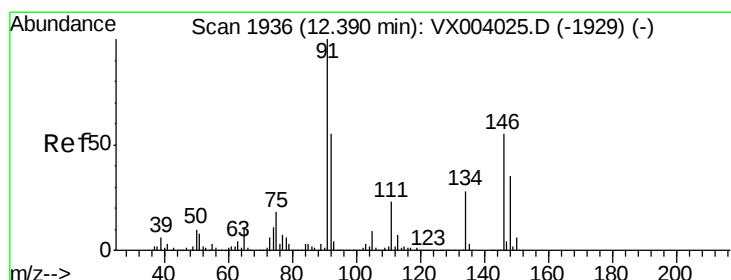
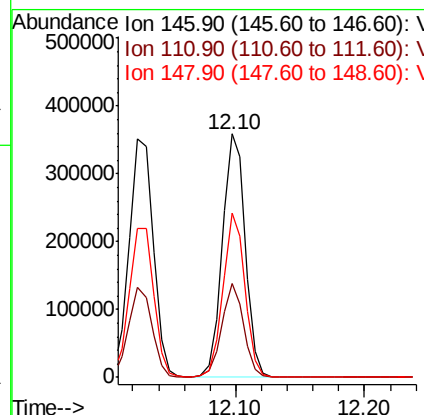
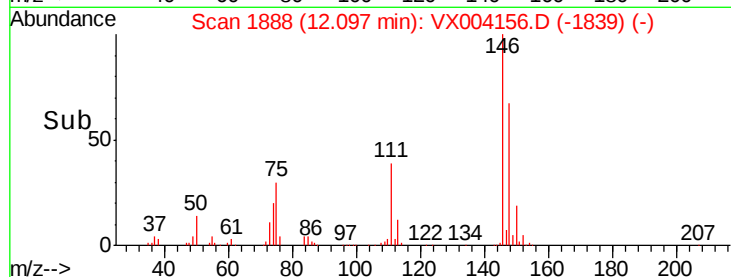
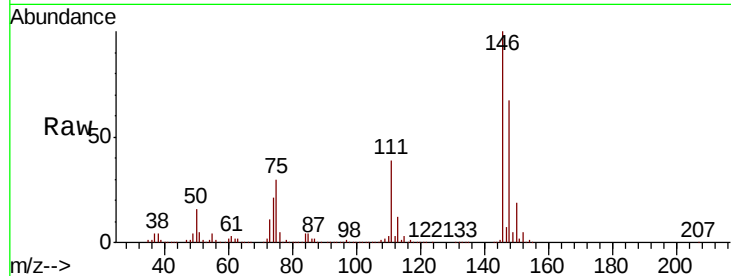
#88
 1,4-Dichlorobenzene
 Concen: 46.08 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.0
148	64.8	32.3	96.8

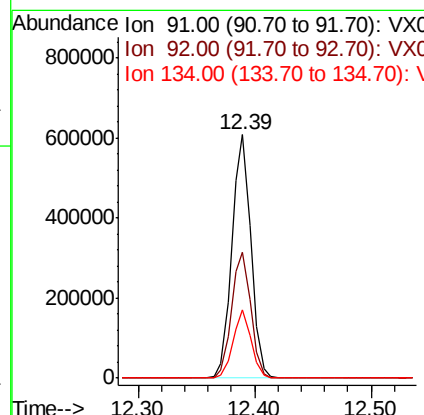
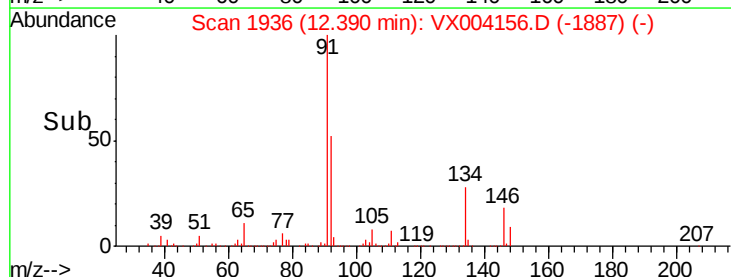
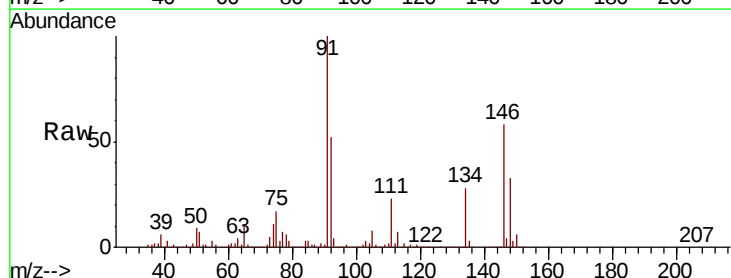
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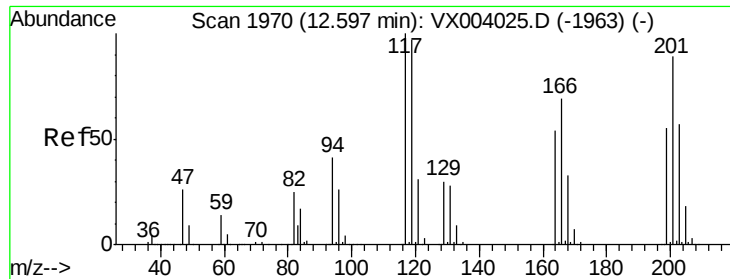
MMDadoda
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#89
 n-Butylbenzene
 Concen: 55.30 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.1	81.3
134	26.9	13.6	40.7





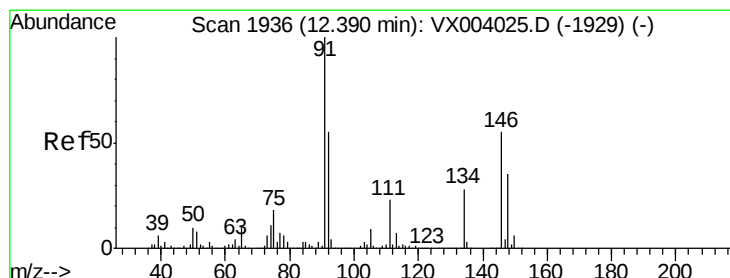
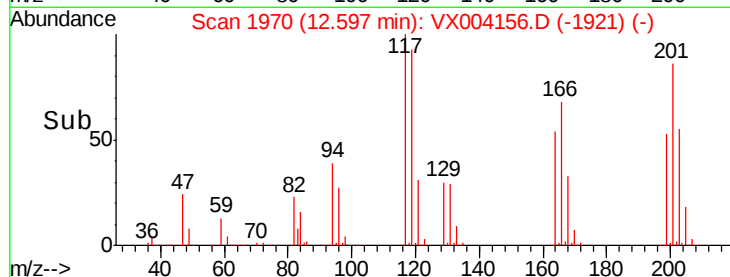
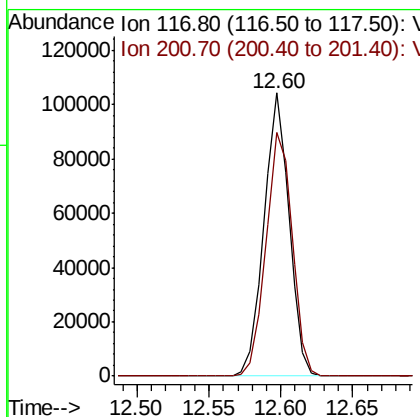
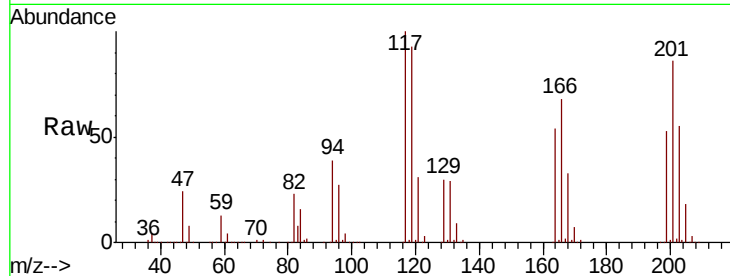
#90
Hexachloroethane
Concen: 53.09 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	125111		
201	90.6	46.1	138.2	

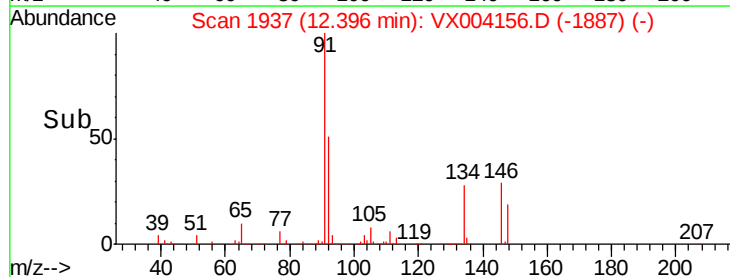
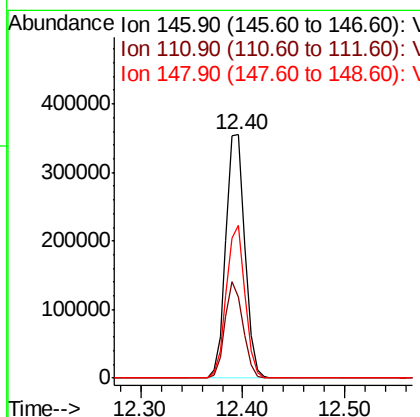
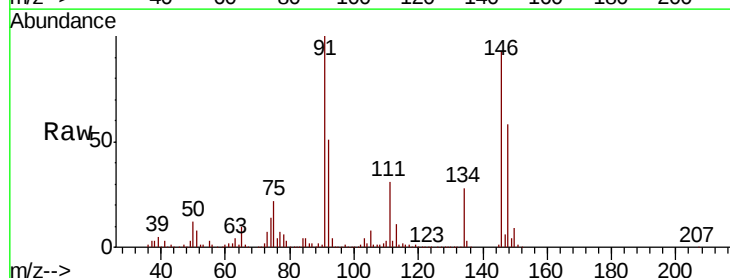
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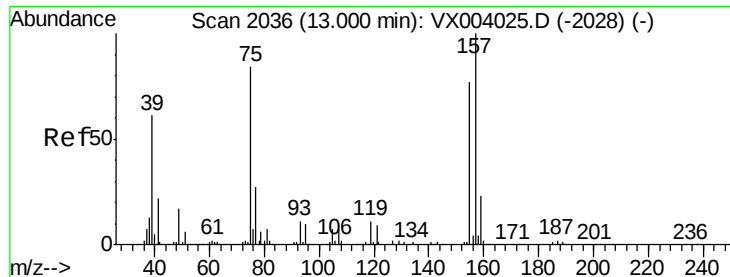
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 53.72 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	458574		
111	37.7	19.7	59.0	
148	61.3	31.9	95.5	





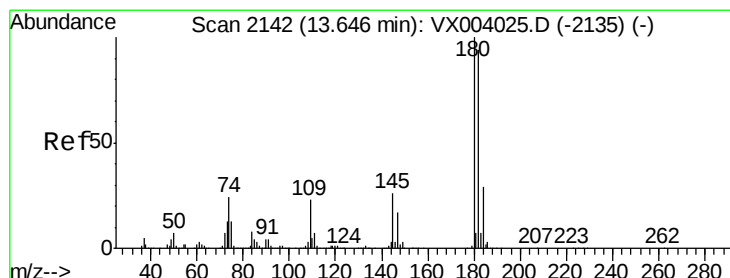
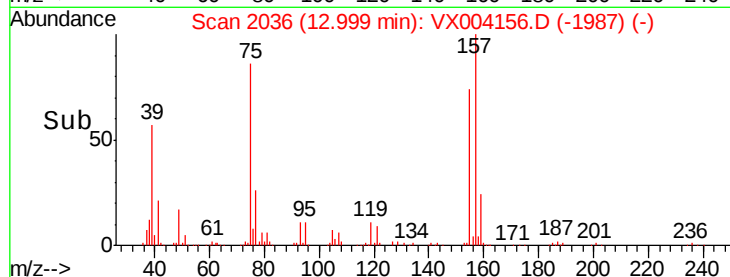
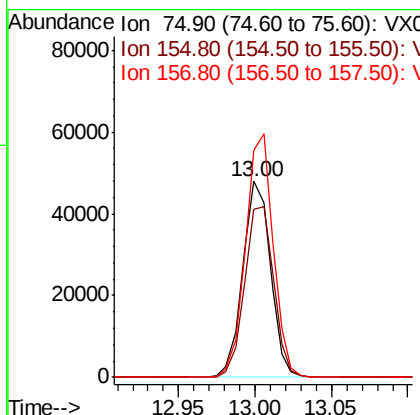
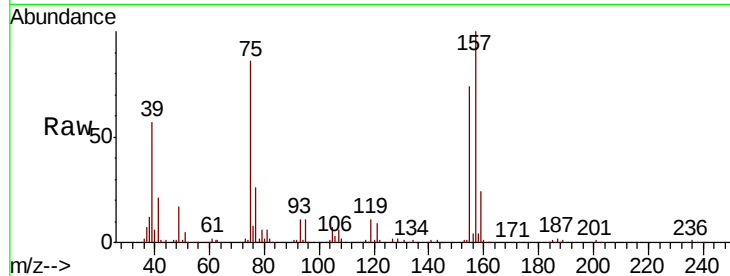
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.60 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	91.3	48.7	146.1
157	123.6	62.6	187.8

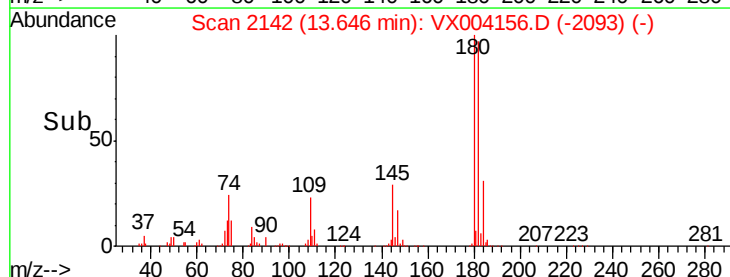
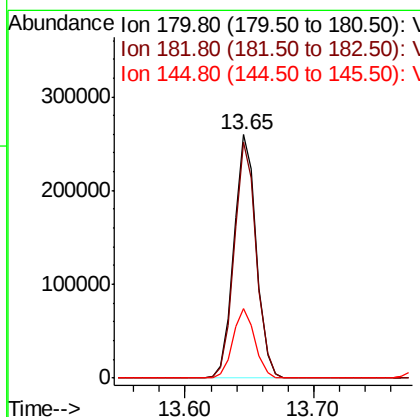
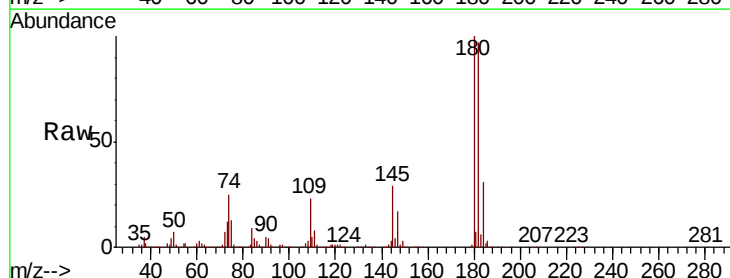
Manual Integrations
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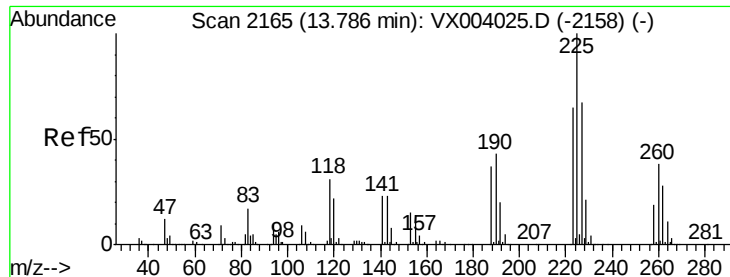
MMDadoda
 8/21/2018 11:16:50 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 53.66 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.7	143.1
145	28.1	13.9	41.6





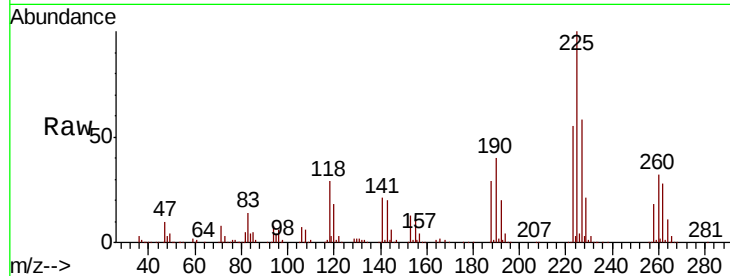
#94
Hexachlorobutadiene
Concen: 48.29 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	141252		
223	60.1	31.4	94.0	
227	64.0	32.1	96.5	

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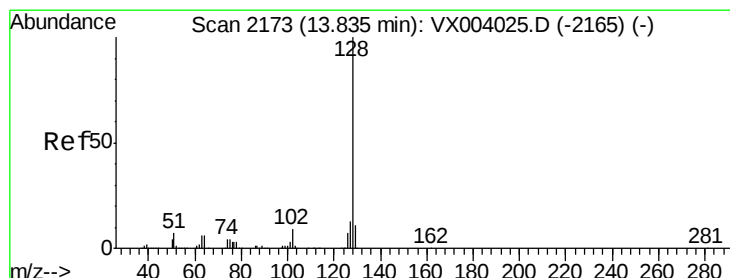
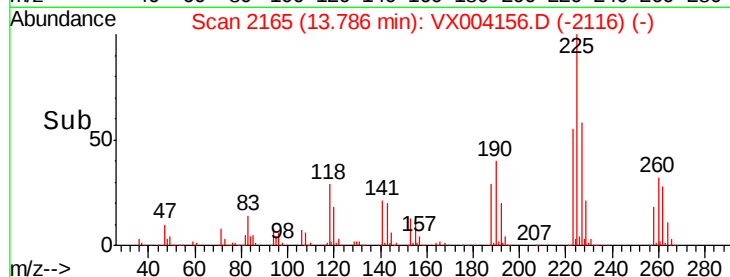
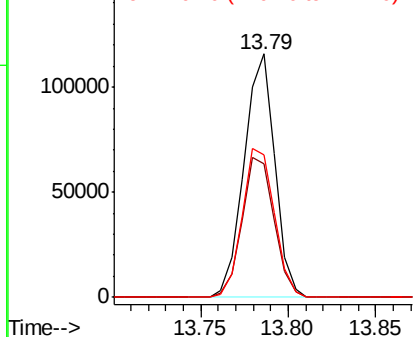


Abundance

Ion 224.70 (224.40 to 225.40): V

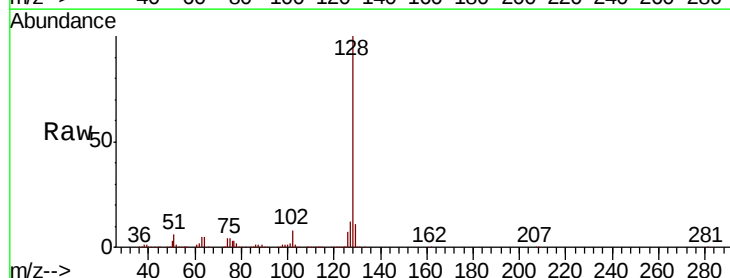
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95
Naphthalene
Concen: 50.94 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	947954		
127	12.5	10.2	15.2	
129	11.0	8.8	13.2	

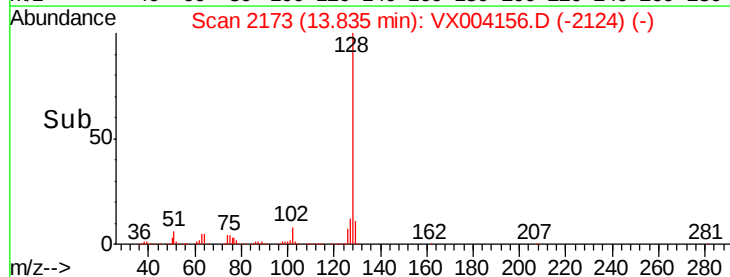
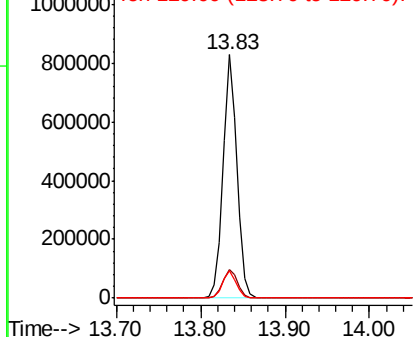


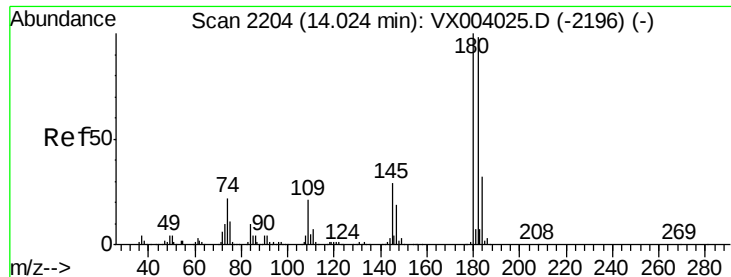
Abundance

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





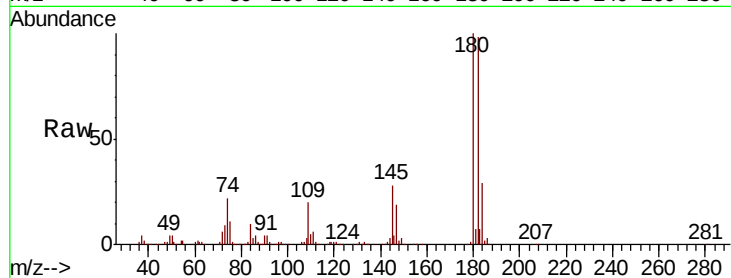
#96
 1,2,3-Trichlorobenzene
 Concen: 49.34 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion:	180	Resp:	313957
Ion Ratio	Lower	Upper	
180	100		
182	97.0	48.1	144.4
145	28.6	14.9	44.7

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

