

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004155.D
 Acq On : 20 Aug 2018 16:15
 Operator : JC/MD
 Sample : J4541-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:16:39 AM

Quant Time: Aug 21 01:59:01 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	5.66	168	203429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	300127	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	152270	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	5.50	113	127554	56.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.58%	
50) Toluene-d8	8.71	98	473838	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.14	95	174492	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	86112	43.49	ug/l	99
3) Chloromethane	1.32	50	122405	50.37	ug/l	98
4) Vinyl Chloride	1.40	62	147285	56.02	ug/l	92
5) Bromomethane	1.64	94	59711	44.80	ug/l	100
6) Chloroethane	1.71	64	94176	54.62	ug/l	99
7) Trichlorofluoromethane	1.92	101	166358	45.10	ug/l	99
8) Diethyl Ether	2.19	74	83618	51.93	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	100447	43.65	ug/l	99
10) Methyl Iodide	2.51	142	91844	38.64	ug/l	99
11) Tert butyl alcohol	3.08	59	158090	273.90	ug/l	99
12) 1,1-Dichloroethene	2.37	96	100941	47.17	ug/l	98
13) Acrolein	2.29	56	120728	305.74	ug/l	99
14) Allyl chloride	2.72	41	205133	50.38	ug/l	99
15) Acrylonitrile	3.15	53	413424	287.28	ug/l	98
16) Acetone	2.45	43	419407	281.44	ug/l	99
17) Carbon Disulfide	2.56	76	267719	44.11	ug/l	99
18) Methyl Acetate	2.78	43	197946	59.77	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	394955	52.38	ug/l	99
20) Methylene Chloride	2.85	84	128400	52.75	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	118771	48.87	ug/l	98
22) Diisopropyl ether	3.87	45	389095	48.76	ug/l	100
23) Vinyl Acetate	3.82	43	1596227	243.56	ug/l	100
24) 1,1-Dichloroethane	3.69	63	213425	47.22	ug/l	99
25) 2-Butanone	4.70	43	660686	272.48	ug/l	100
26) 1,2-Dichloropropane	4.58	77	150902	42.00	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	144507	52.87	ug/l	96
28) Bromochloromethane	5.02	49	110985	53.52	ug/l	100
29) Tetrahydrofuran	5.16	42	338744	273.45	ug/l	100
30) Chloroform	5.21	83	229680	52.07	ug/l	99
31) Cyclohexane	5.57	56	162781	41.09	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	181712	49.30	ug/l	99
36) 1,1-Dichloropropene	5.80	75	156202	45.74	ug/l	100
37) Ethyl Acetate	4.86	43	185120	49.78	ug/l	99
38) Carbon Tetrachloride	5.78	117	155930	46.99	ug/l	95

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Manual Integrations
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 8/21/2018 11:16:39 AM

Quant Time: Aug 21 01:59:01 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)
39) Methylcyclohexane	7.46	83	159728	41.23	ug/l	97
40) Benzene	6.14	78	510974	49.83	ug/l	100
41) Methacrylonitrile	5.06	41	109379	52.51	ug/l	99
42) 1,2-Dichloroethane	6.20	62	183777	51.20	ug/l	100
43) Isopropyl Acetate	6.46	43	276587	50.45	ug/l	100
44) Trichloroethene	7.21	130	131002	47.05	ug/l	93
45) 1,2-Dichloropropane	7.51	63	133472	50.84	ug/l	98
46) Dibromomethane	7.67	93	89195	51.99	ug/l	99
47) Bromodichloromethane	7.90	83	168218	51.77	ug/l	100
48) Methyl methacrylate	7.78	41	153274	55.54	ug/l	99
49) 1,4-Dioxane	7.76	88	67647	1088.80	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1301083	289.46	ug/l	100
52) Toluene	8.79	92	325089	50.12	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	180601	51.45	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	191465	49.25	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	138856	51.84	ug/l	99
56) Ethyl methacrylate	9.18	69	198773	54.58	ug/l	99
57) 1,3-Dichloropropane	9.37	76	232500	52.32	ug/l	99
59) 2-Hexanone	9.50	43	1002540	296.35	ug/l	100
60) Dibromochloromethane	9.59	129	135728	52.66	ug/l	100
61) 1,2-Dibromoethane	9.68	107	144912	53.07	ug/l	100
64) Tetrachloroethene	9.34	164	115389	40.81	ug/l	95
65) Chlorobenzene	10.14	112	365776	47.47	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	132298	50.34	ug/l	98
67) Ethyl Benzene	10.25	91	593775	48.66	ug/l	97
68) m/p-Xylenes	10.36	106	476850	99.79	ug/l	96
69) o-Xylene	10.70	106	226516	49.60	ug/l	95
70) Stvrene	10.71	104	393873	51.25	ug/l	98
71) Bromoform	10.86	173	107937	51.79	ug/l	97
73) Isopropylbenzene	11.02	105	590159	47.63	ug/l	97
74) N-amyl acetate	6.46	43	276587	47.46	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	212833	49.19	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	190369m	51.84	ug/l	
77) Bromobenzene	11.26	156	161463	47.27	ug/l	100
78) n-propylbenzene	11.36	91	657478	47.41	ug/l	98
79) 2-Chlorotoluene	11.42	91	399731	47.30	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	479836	47.29	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	59725	50.35	ug/l	97
82) 4-Chlorotoluene	11.51	91	471705	47.22	ug/l	99
83) tert-Butylbenzene	11.77	119	490668	47.97	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	513515	48.87	ug/l	99
85) sec-Butylbenzene	11.95	105	543350	45.38	ug/l	99
86) p-Isopropyltoluene	12.07	119	498148	45.96	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	300745	46.16	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	310349	46.29	ug/l	99
89) n-Butylbenzene	12.39	91	371321	43.48	ug/l	99
90) Hexachloroethane	12.60	117	76038	46.89	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	290120	49.38	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44186	58.10	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	185226	46.12	ug/l	97

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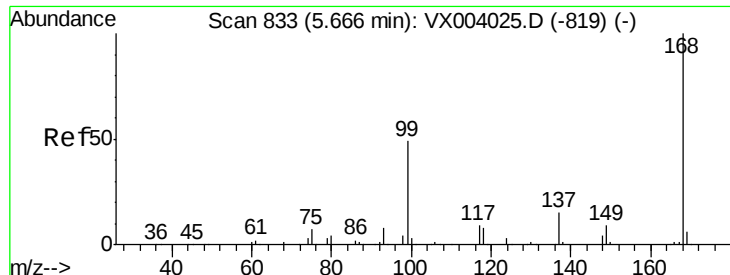
Manual Integrations
APPROVED

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8/21/2018 11:16:39 AM

Quant Time: Aug 21 01:59:01 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)
94) Hexachlorobutadiene	13.79	225	72979	36.25	ug/l	98
95) Naphthalene	13.83	128	657741	51.35	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	195120	44.55	ug/l	98

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



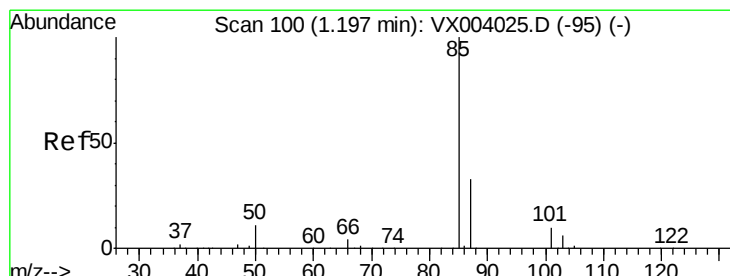
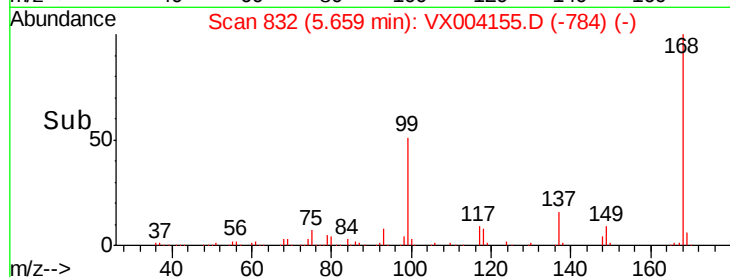
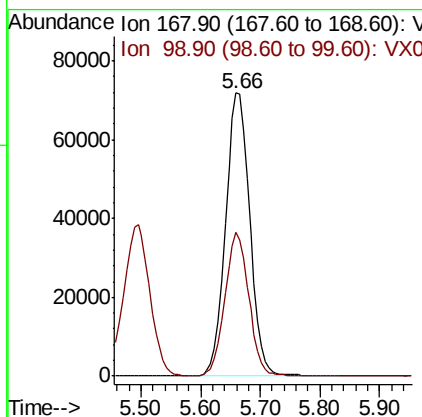
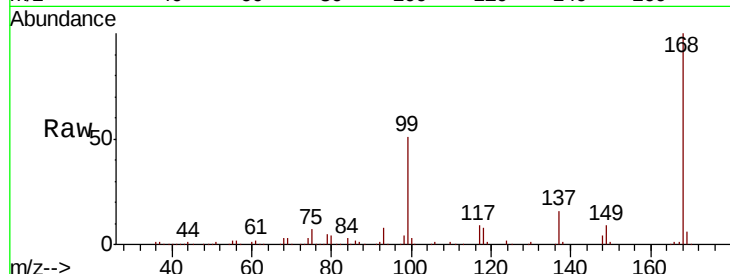
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
99	50.6	40.1	60.1	

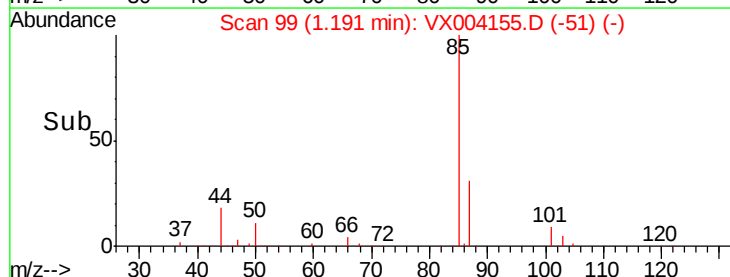
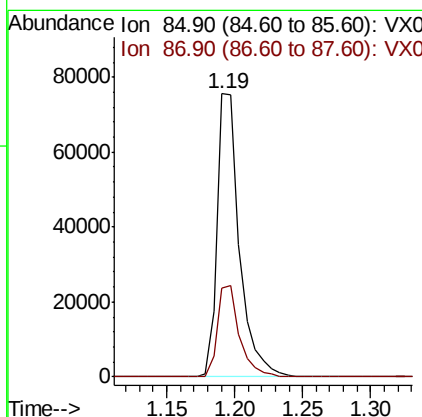
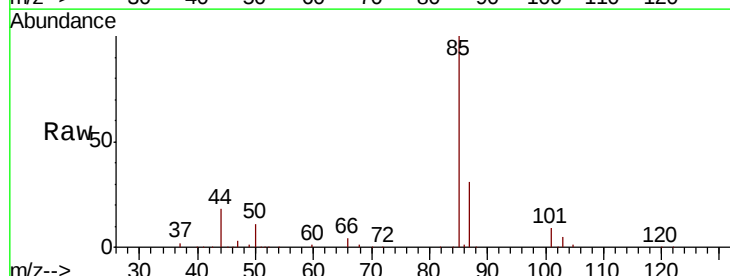
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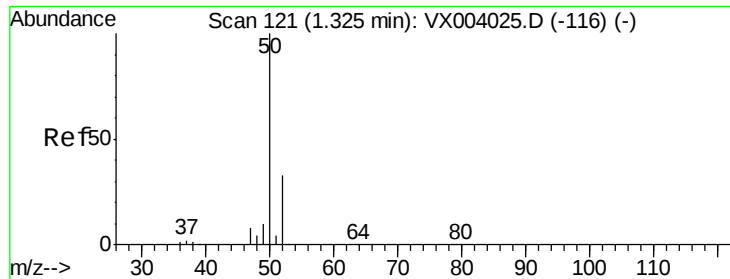
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#2
Dichlorodifluoromethane
Concen: 43.49 ug/l
RT: 1.19 min Scan# 99
Delta R.T. -0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	31.3	16.0	48.0	





#3

Chloromethane

Concen: 50.37 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MS

Tot Ion: 50 Resp: 122405

Ion Ratio Lower Upper

50 100

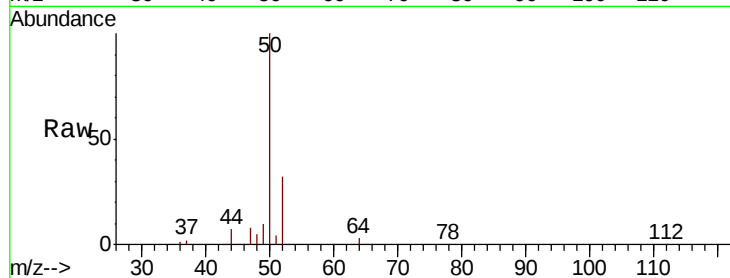
52 32.0 26.6 39.8

Manual Integrations

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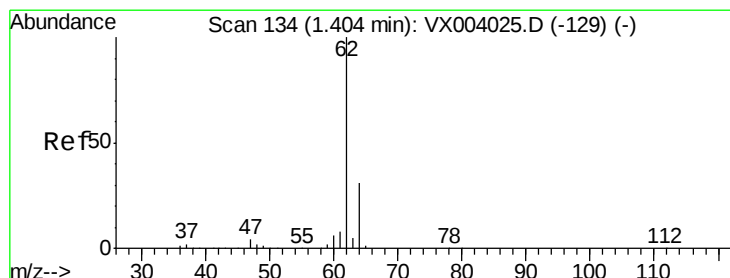
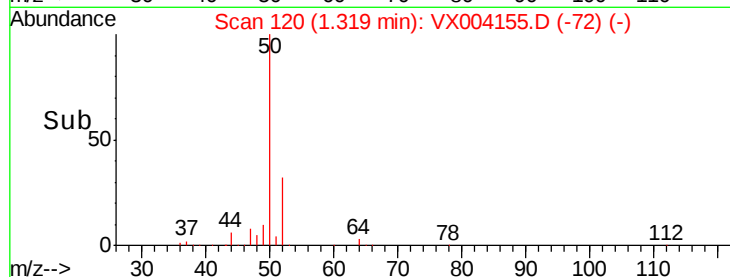
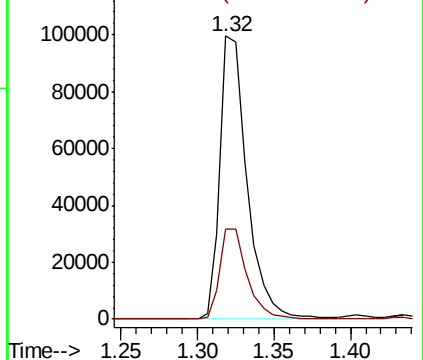
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 56.02 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004155.D

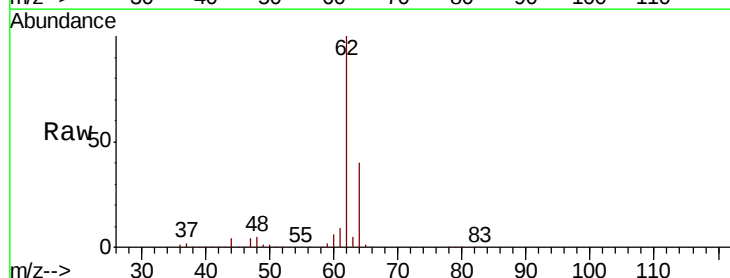
Acq: 20 Aug 2018 16:15

Tgt Ion: 62 Resp: 147285

Ion Ratio Lower Upper

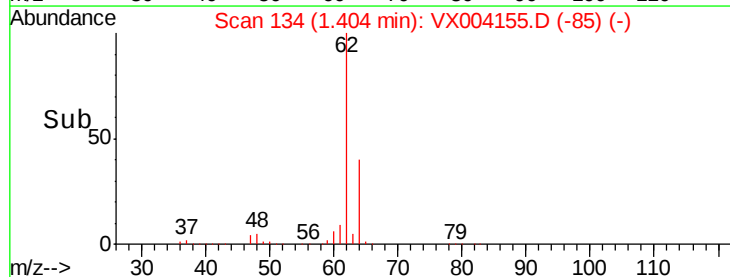
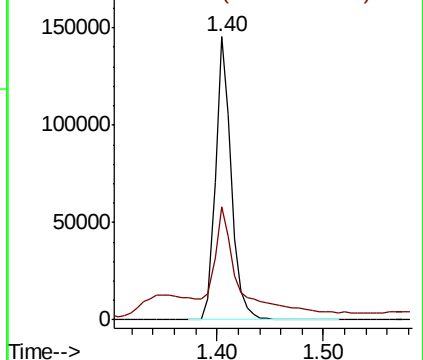
62 100

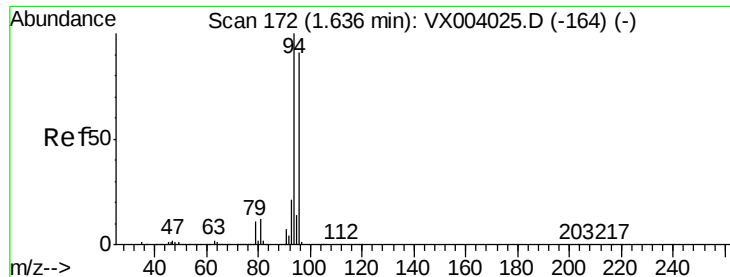
64 37.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.80 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 94 Resp: 59711

Ion Ratio Lower Upper

94 100

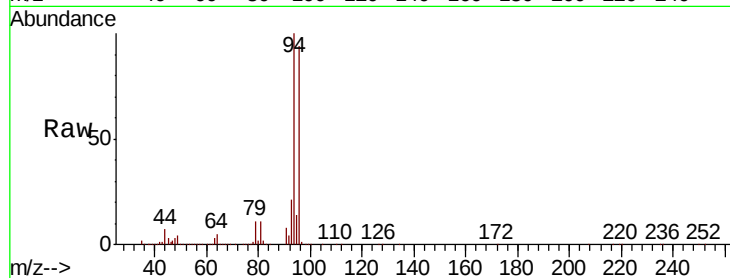
96 93.7 75.2 112.8

Manual Integrations

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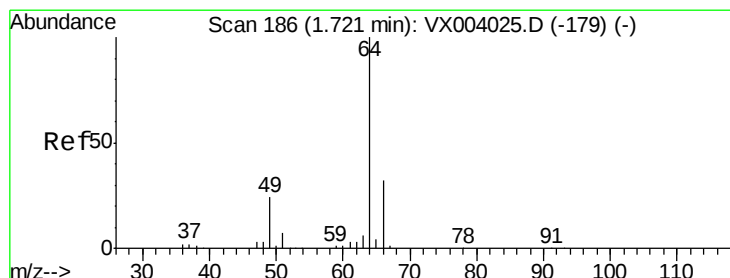
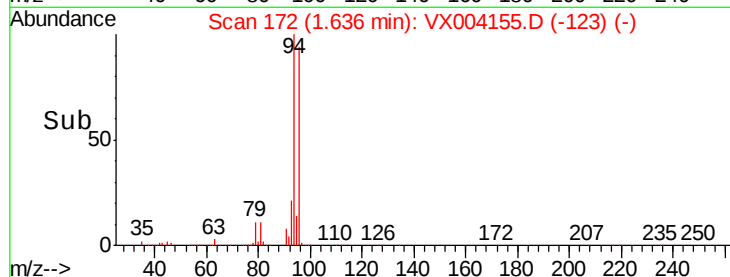
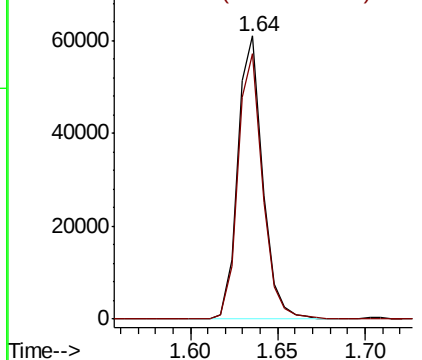
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 54.62 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX004155.D

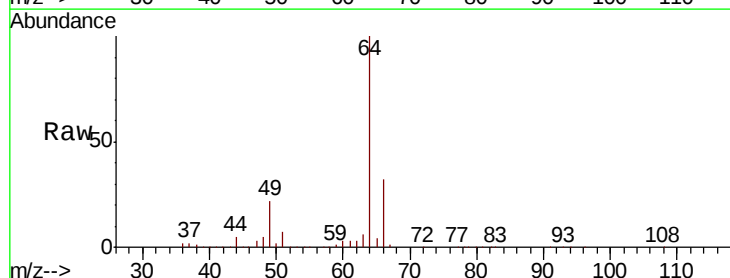
Acq: 20 Aug 2018 16:15

Tgt Ion: 64 Resp: 94176

Ion Ratio Lower Upper

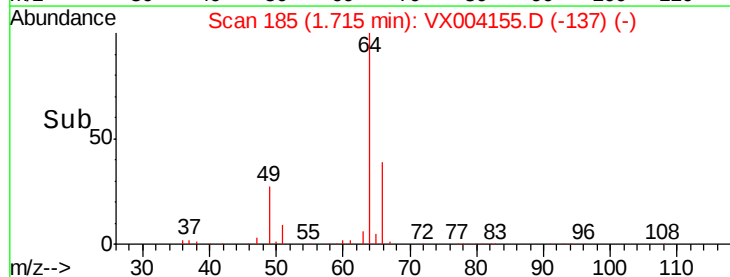
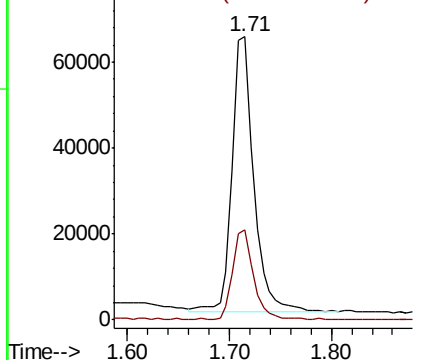
64 100

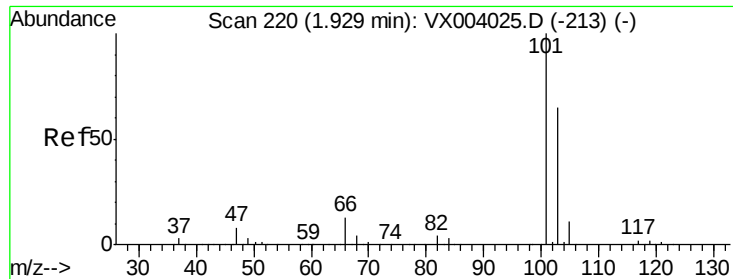
66 32.4 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

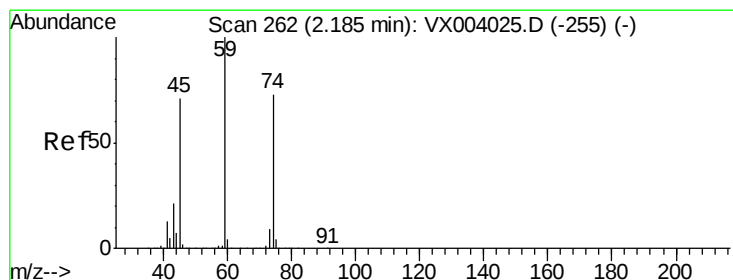
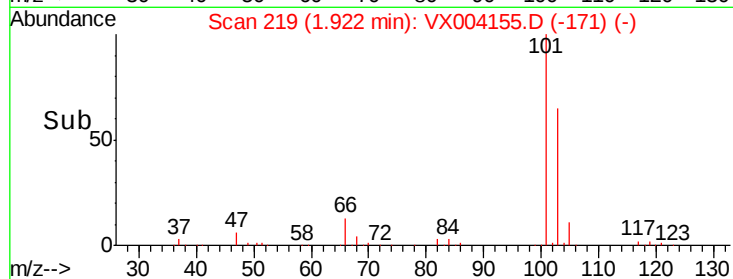
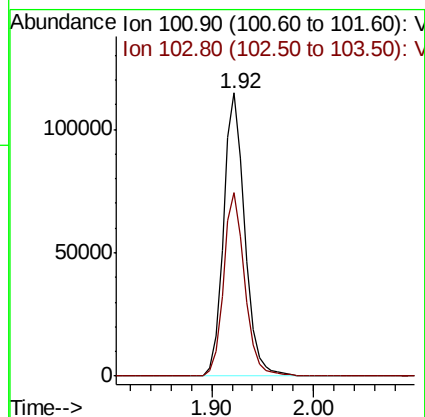
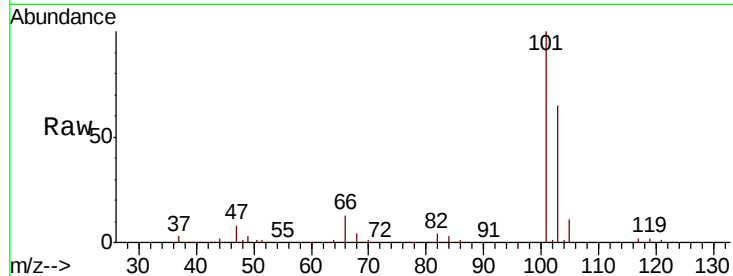
Trichlorofluoromethane
 Concen: 45.10 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
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 ClientSampleId :
 KY070MW233-180815MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	166358		
103	64.9	52.3	78.5	

Manual Integrations
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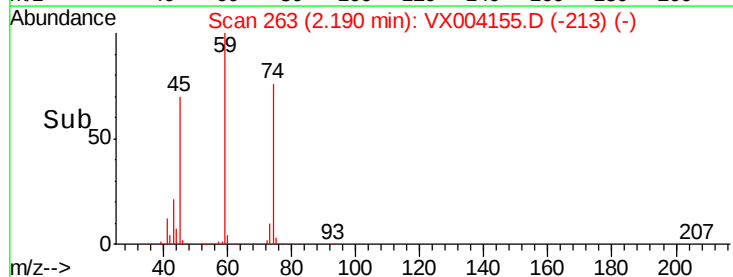
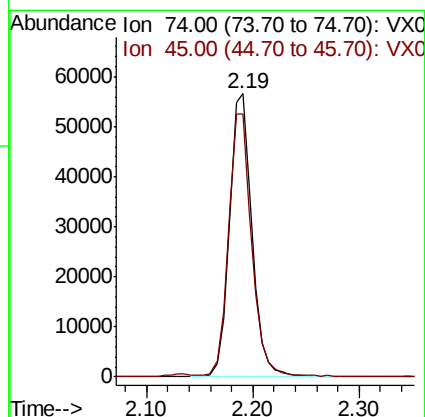
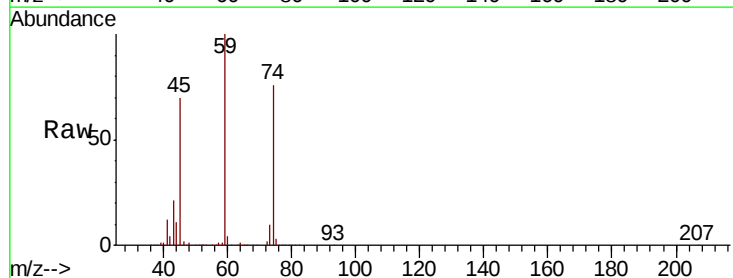
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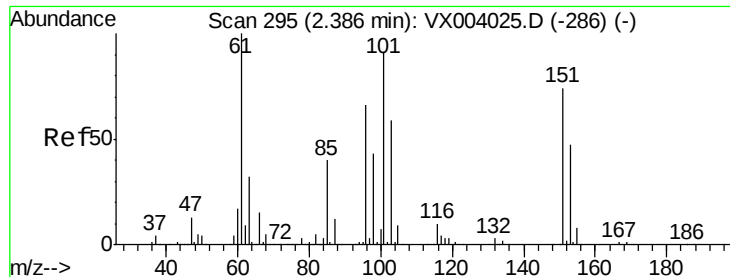


#8

Diethyl Ether
 Concen: 51.93 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	83618		
45	94.8	48.3	144.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.65 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

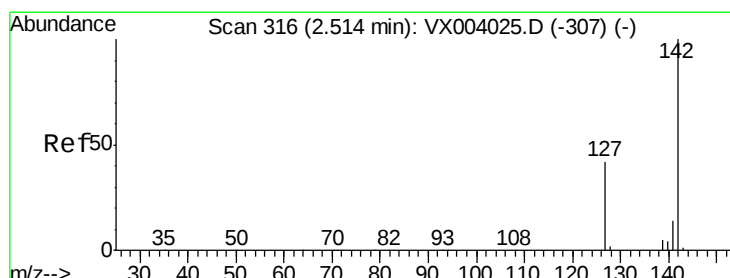
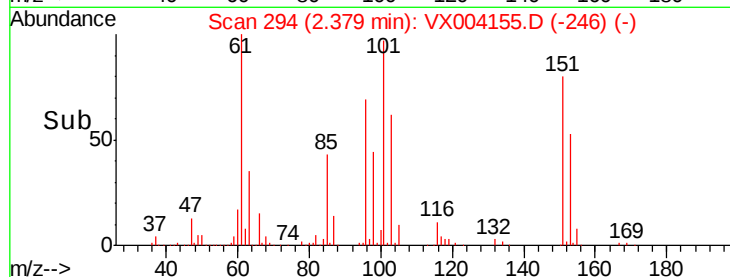
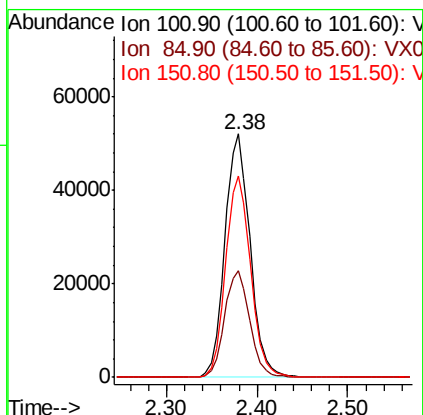
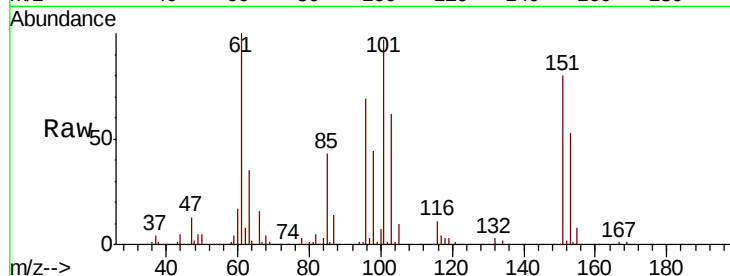
ClientSampleId :

KY070MW233-180815MS

Tot Ion:	101	Resp:	100447
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.2	51.4
151	82.1	65.0	97.4

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#10

Methyl Iodide

Concen: 38.64 ug/l

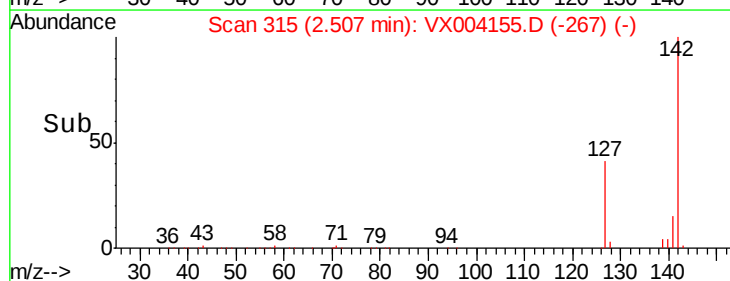
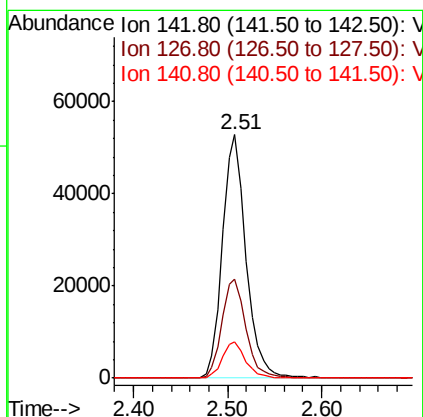
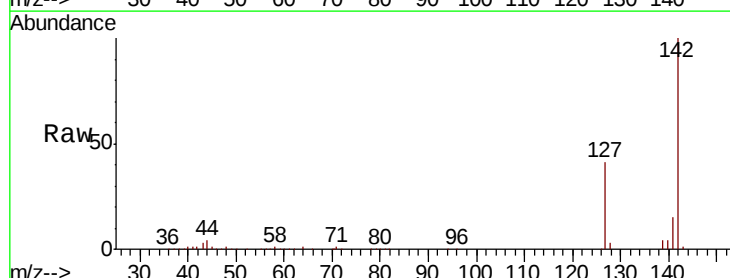
RT: 2.51 min Scan# 315

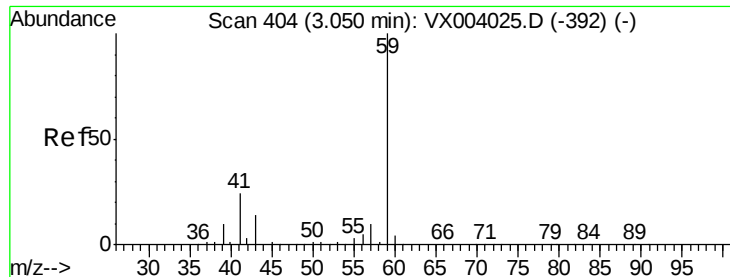
Delta R.T. -0.01 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Tgt Ion:	142	Resp:	91844
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.1	49.7
141	14.5	11.1	16.7





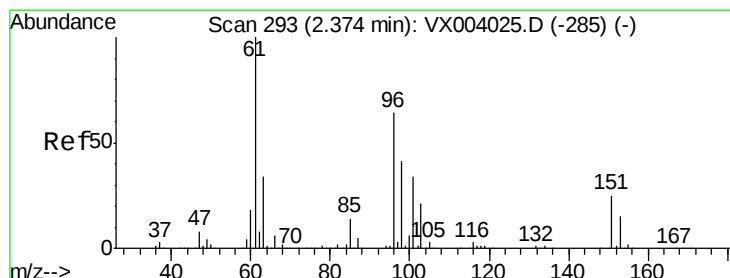
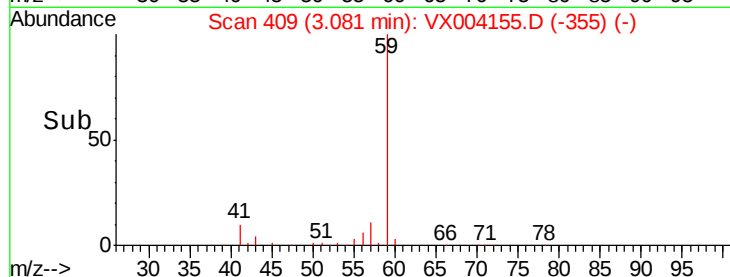
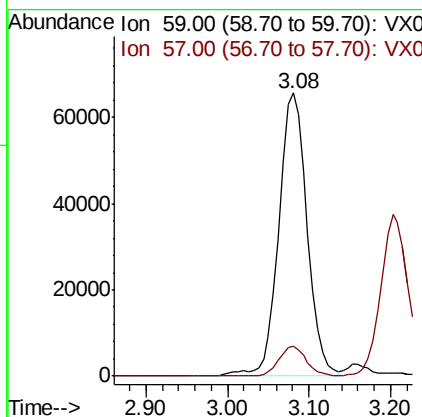
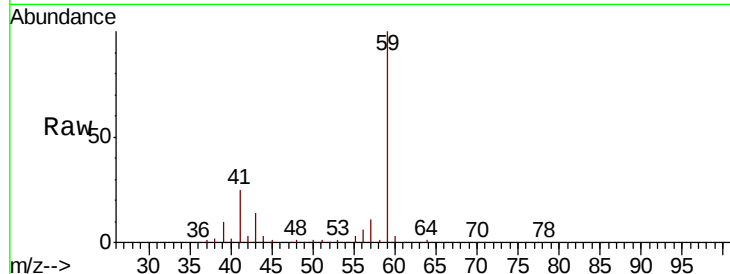
#11
Tert butyl alcohol
Concen: 273.90 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.03 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion: 59 Resp: 158090
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1

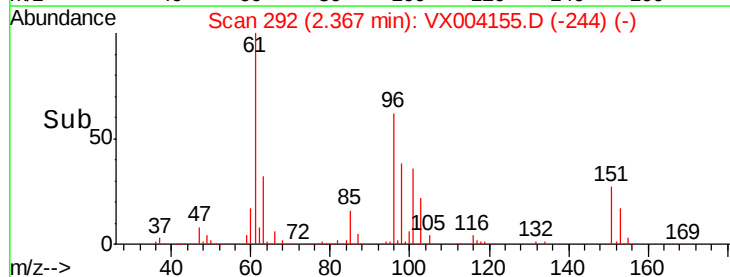
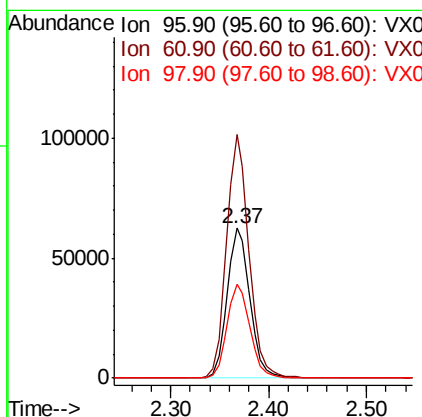
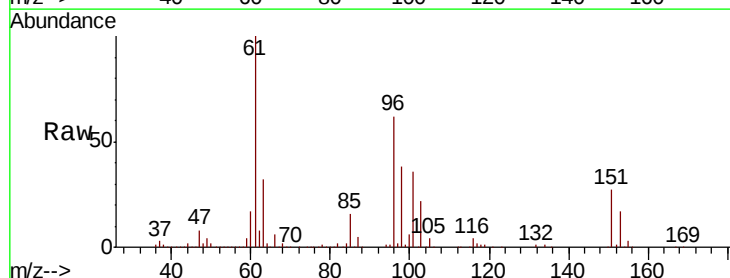
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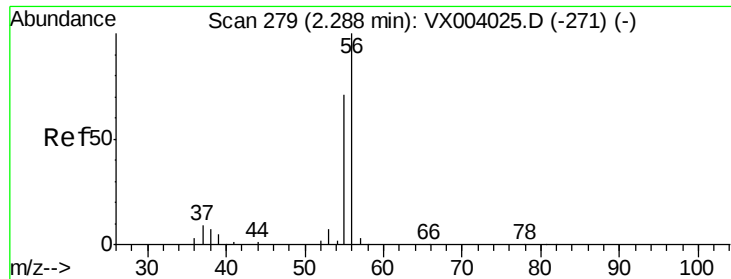
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.17 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion: 96 Resp: 100941
Ion Ratio Lower Upper
96 100
61 162.4 131.3 196.9
98 62.4 51.8 77.6





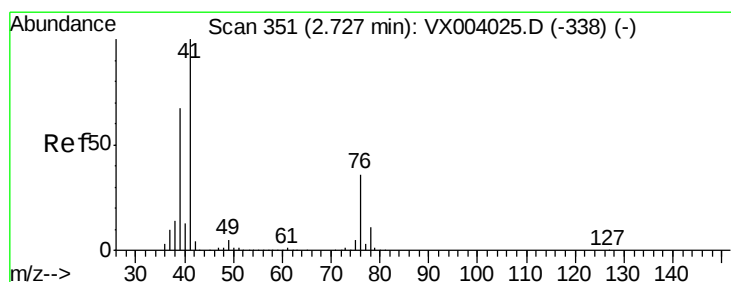
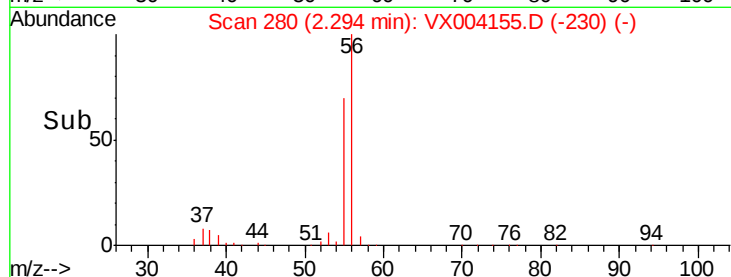
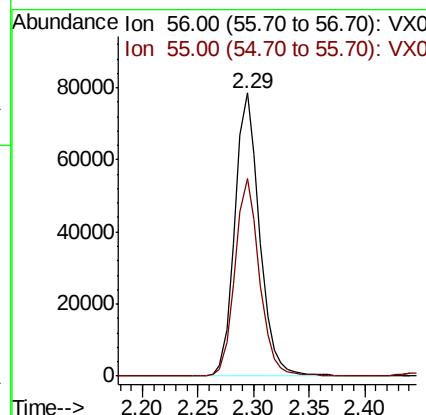
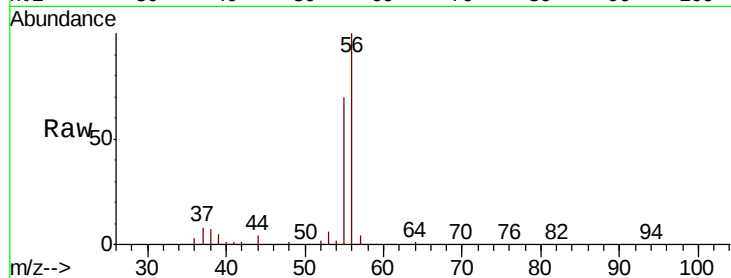
#13
 Acrolein
 Concen: 305.74 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.1	84.1

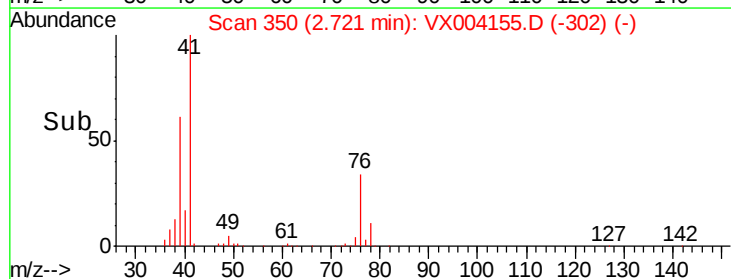
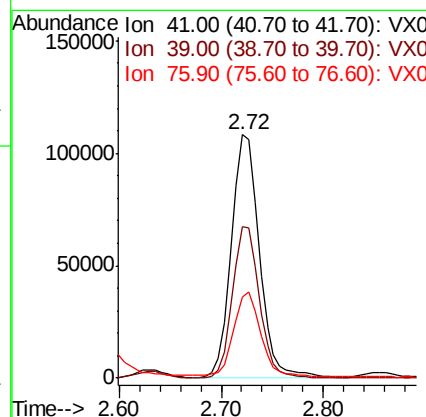
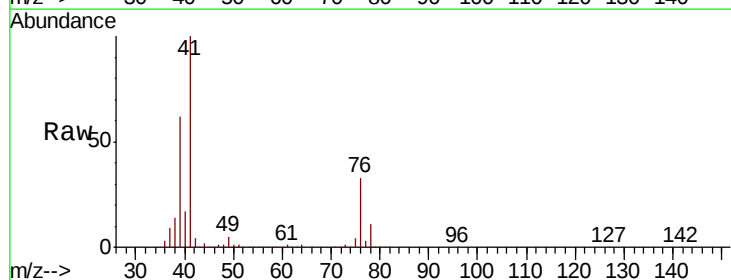
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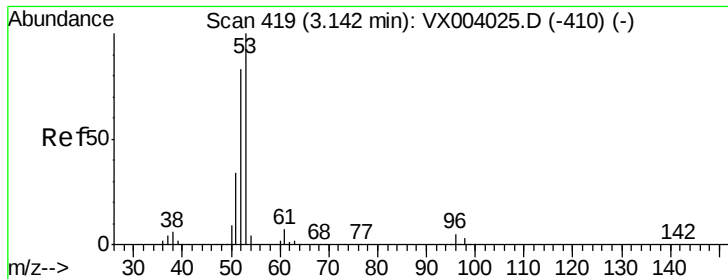
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#14
 Allyl chloride
 Concen: 50.38 ug/l
 RT: 2.72 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.4	47.4	71.0
76	34.6	26.0	39.0





#15

Acrylonitrile

Concen: 287.28 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

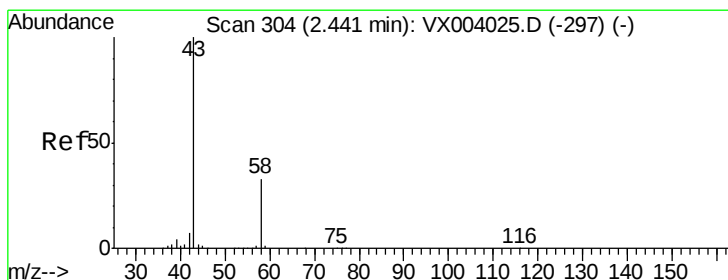
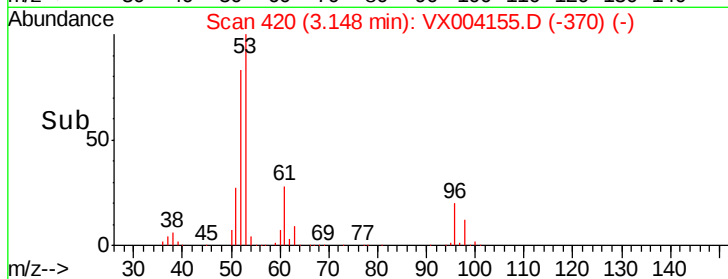
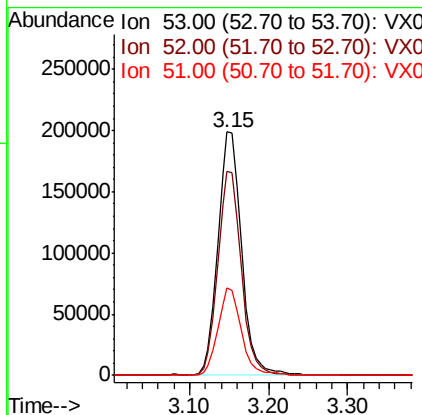
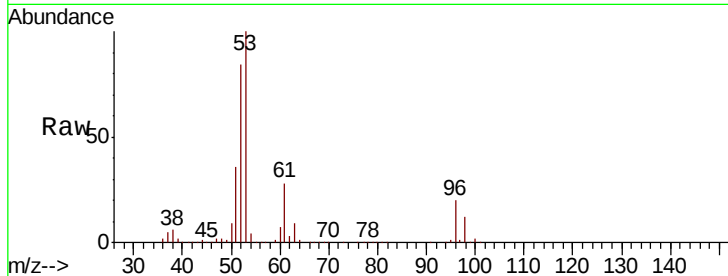
ClientSampleId :

KY070MW233-180815MS

Tot Ion:	53	Resp:	413424
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.3	97.9
51	35.6	27.9	41.9

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#16

Acetone

Concen: 281.44 ug/l

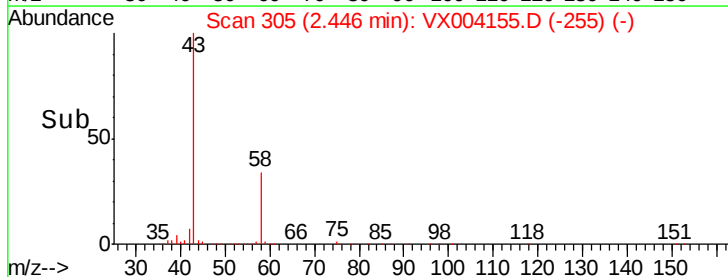
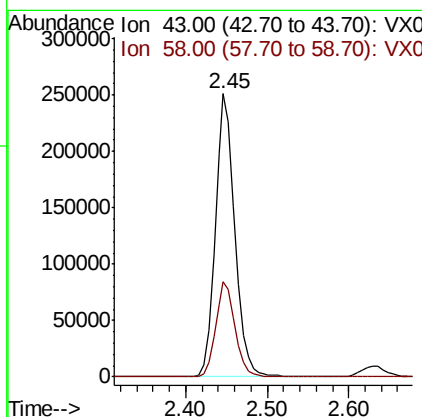
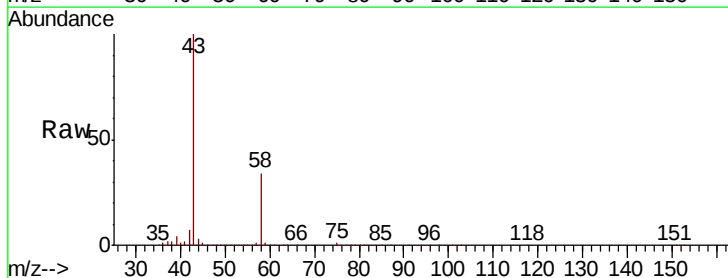
RT: 2.45 min Scan# 305

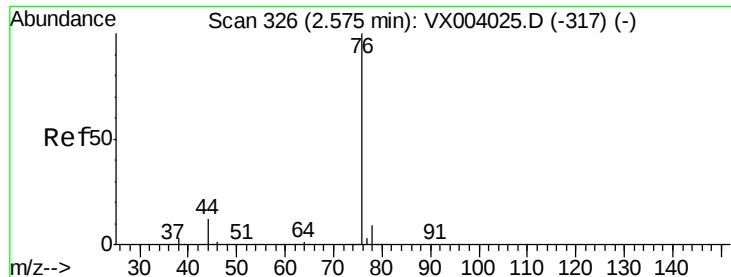
Delta R.T. 0.01 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Tgt Ion:	43	Resp:	419407
Ion Ratio	Lower	Upper	
43	100		
58	33.5	26.4	39.6





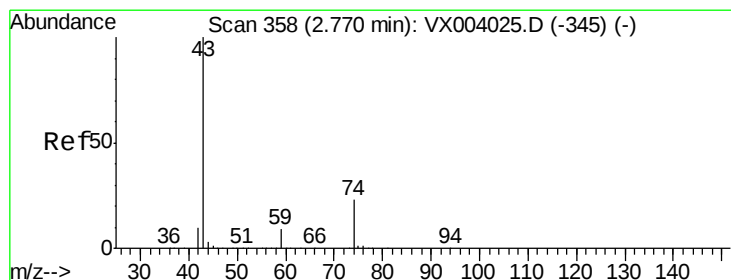
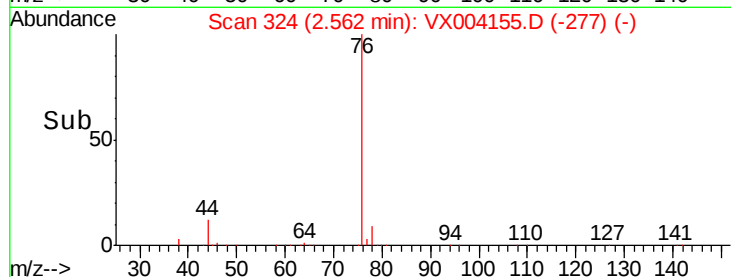
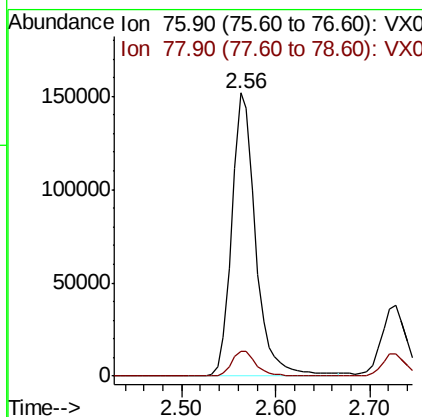
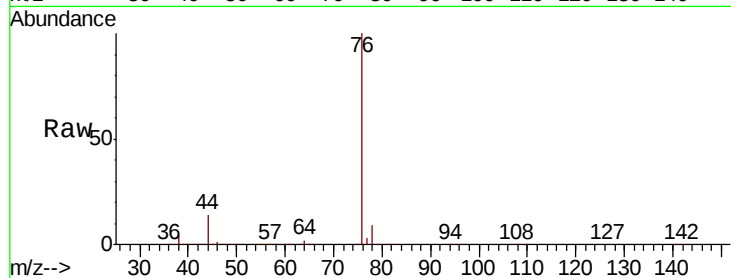
#17
Carbon Disulfide
Concen: 44.11 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

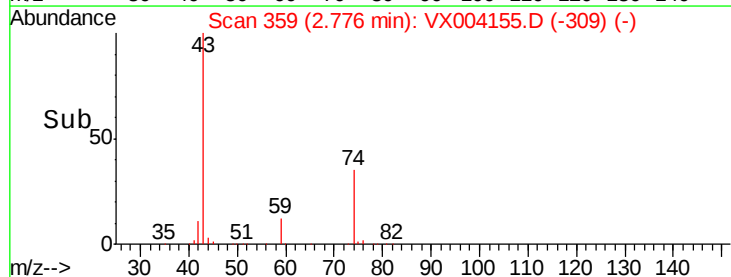
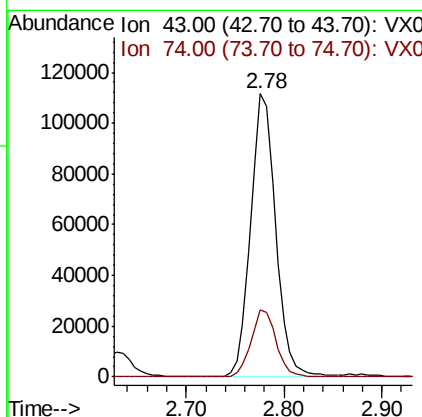
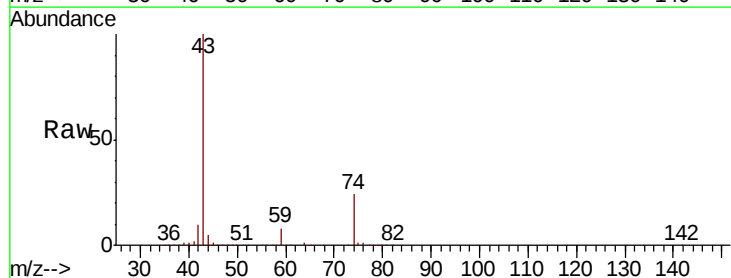
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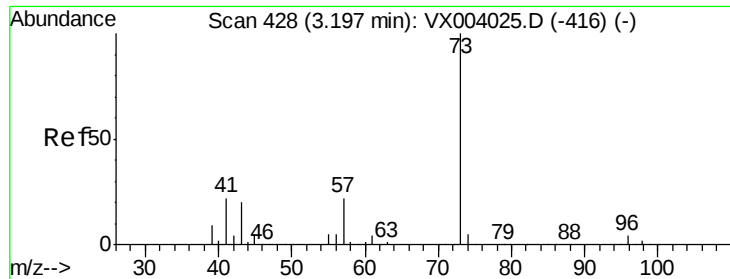
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#18
Methyl Acetate
Concen: 59.77 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.9	28.3





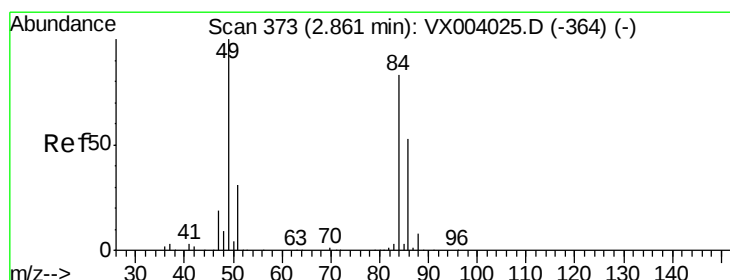
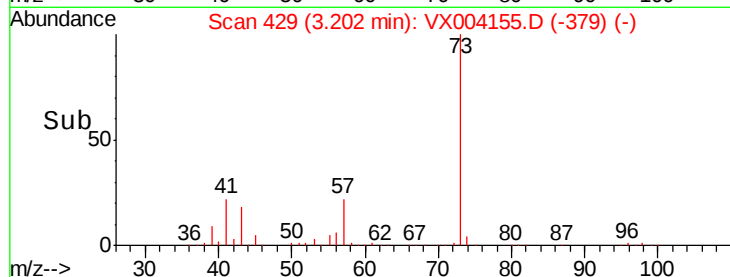
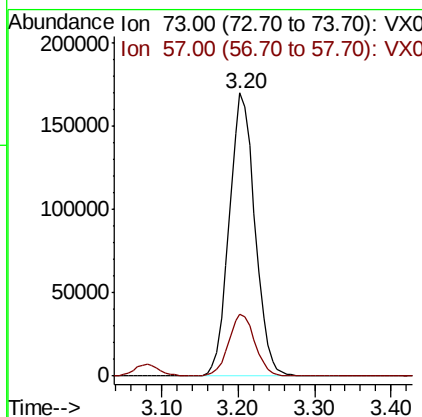
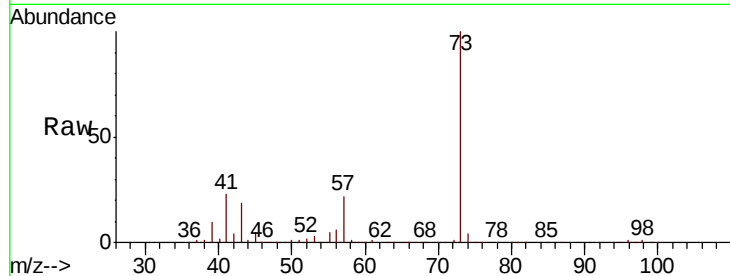
#19
Methvl tert-butvl Ether
Concen: 52.38 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion: 73 Resp: 394955
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

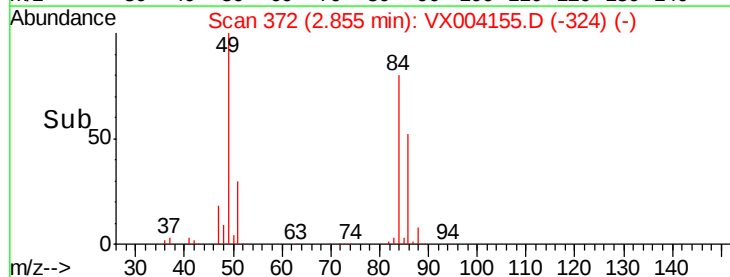
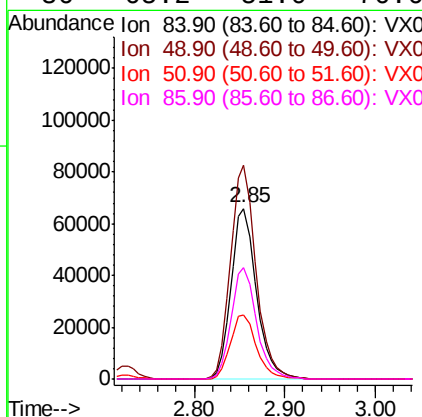
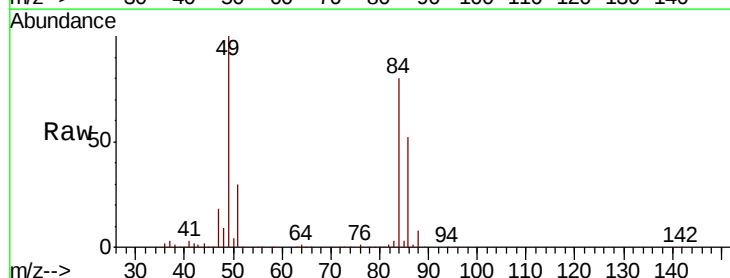
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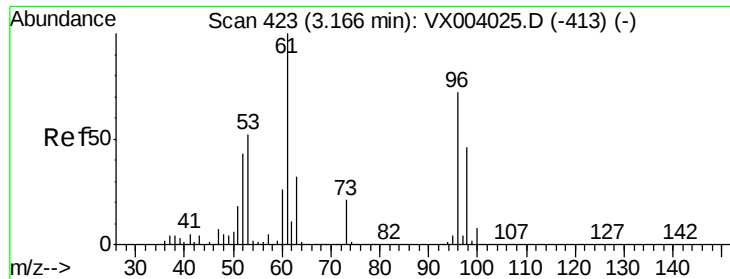
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#20
Methylene Chloride
Concen: 52.75 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion: 84 Resp: 128400
Ion Ratio Lower Upper
84 100
49 125.3 98.9 148.3
51 37.9 29.9 44.9
86 65.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.87 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

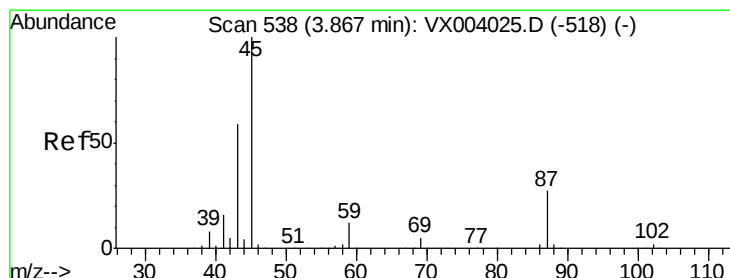
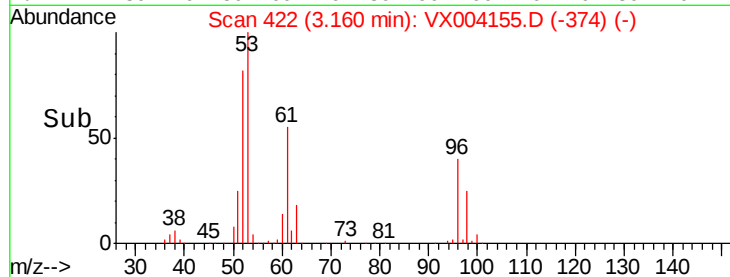
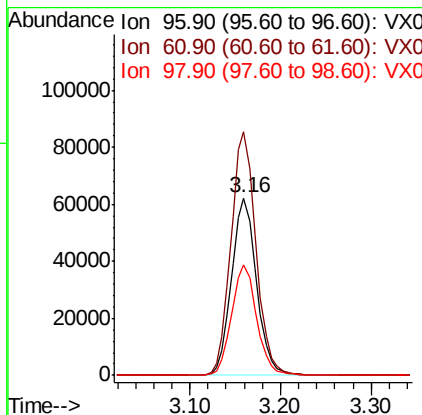
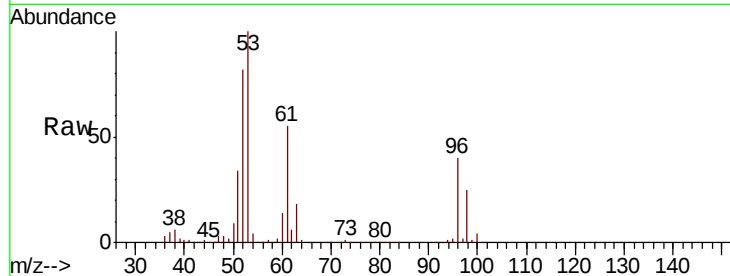
ClientSampleId :

KY070MW233-180815MS

Tot Ion:	96	Resp:	118771
Ion	Ratio	Lower	Upper
96	100		
61	137.3	111.8	167.6
98	62.3	51.8	77.6

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#22

Diisopropyl ether

Concen: 48.76 ug/l

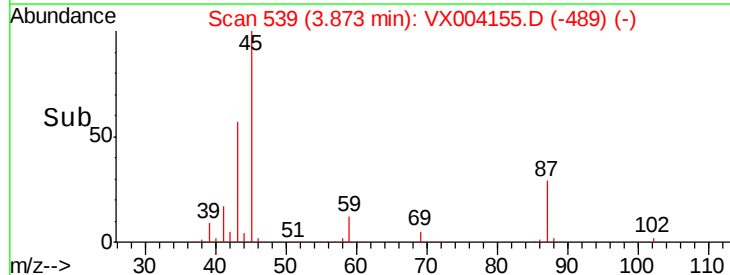
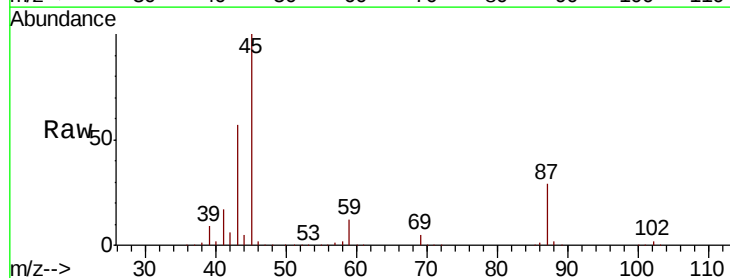
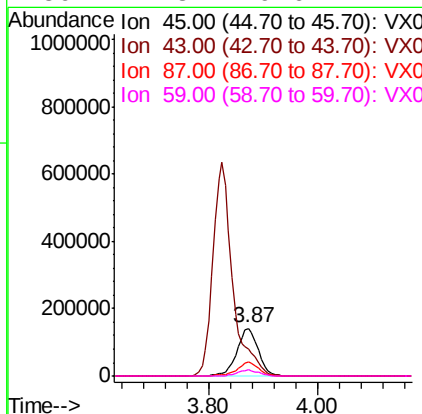
RT: 3.87 min Scan# 539

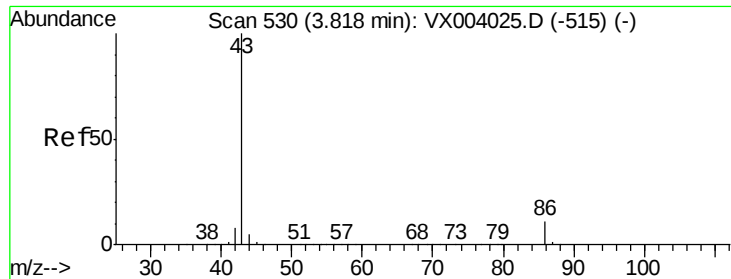
Delta R.T. 0.01 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Tgt Ion:	45	Resp:	389095
Ion	Ratio	Lower	Upper
45	100		
43	56.8	45.3	67.9
87	28.5	22.7	34.1
59	12.3	9.6	14.4





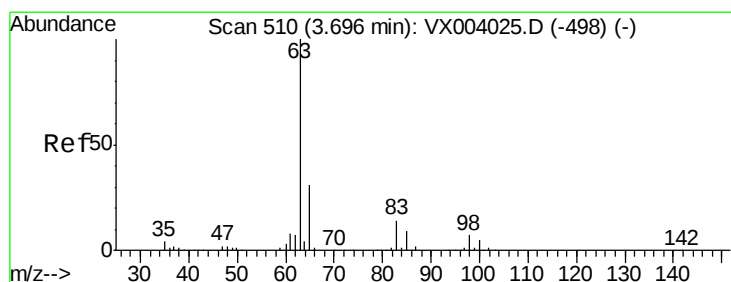
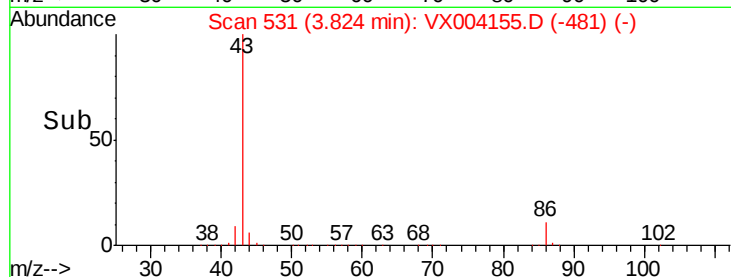
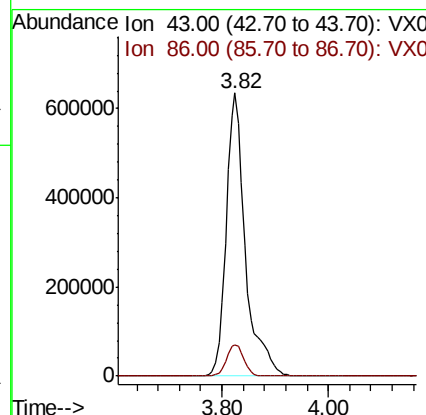
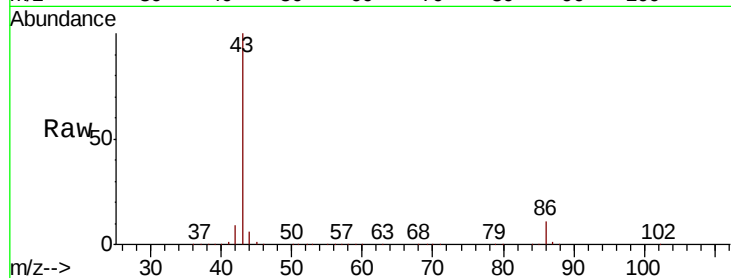
#23
 Vinyl Acetate
 Concen: 243.56 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion: 43 Resp: 1596227
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.9 13.3

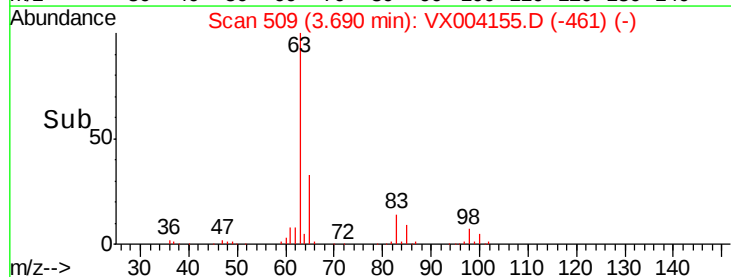
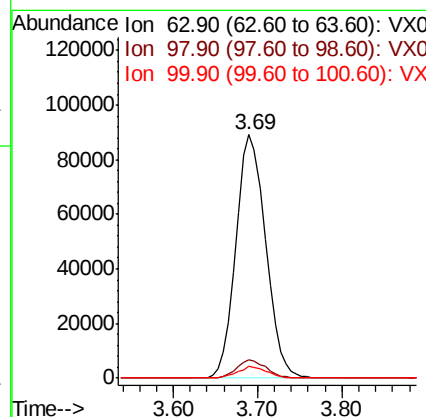
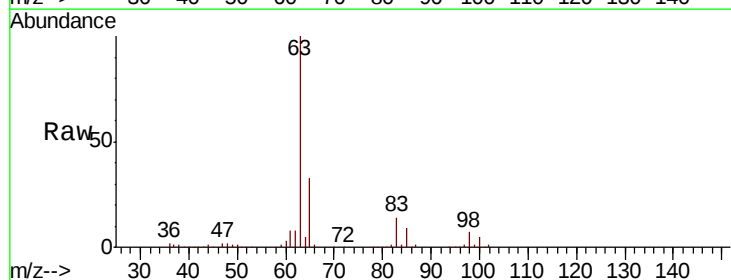
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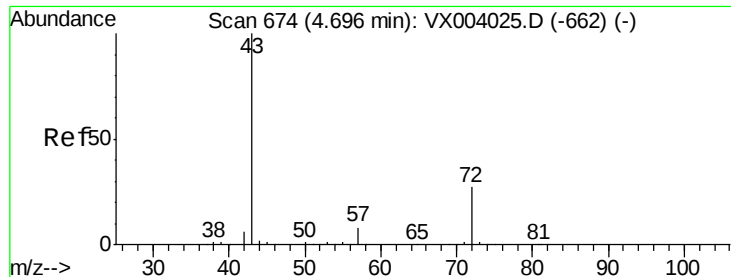
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 47.22 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion: 63 Resp: 213425
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.5 10.5
 100 4.8 2.3 6.8





#25

2-Butanone

Concen: 272.48 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MS

Tot Ion: 43 Resp: 660686

Ion Ratio Lower Upper

43 100

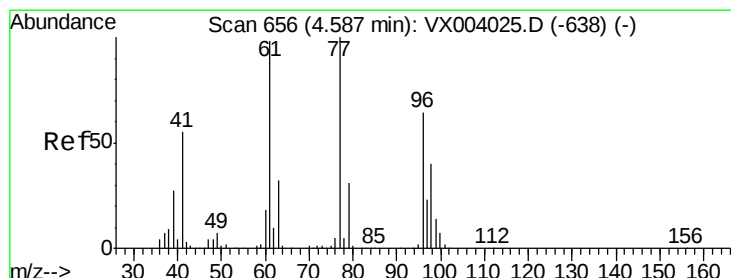
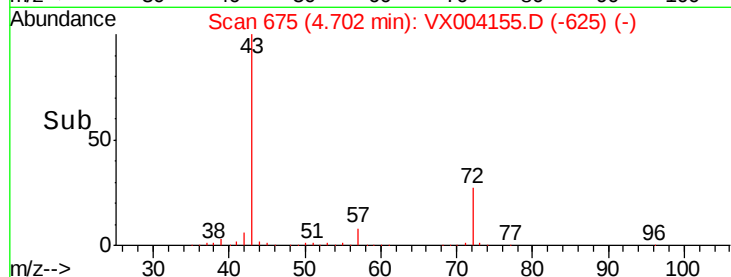
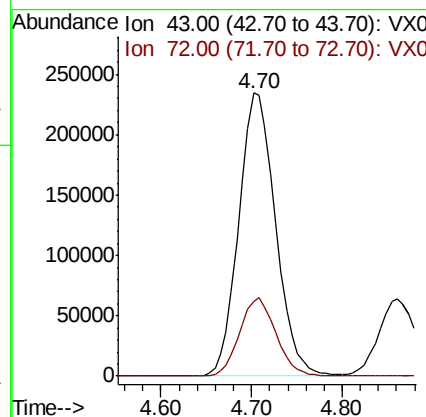
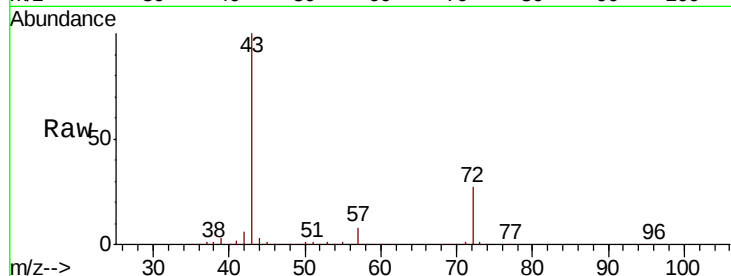
72 26.6 21.4 32.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.00 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004155.D

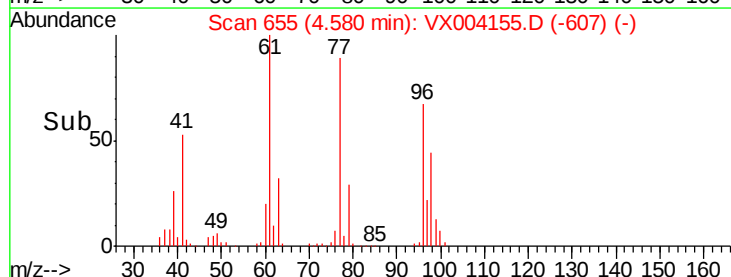
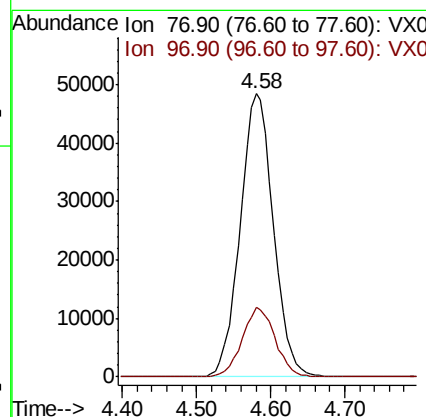
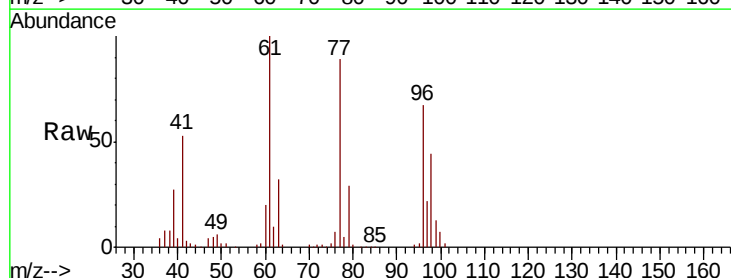
Acq: 20 Aug 2018 16:15

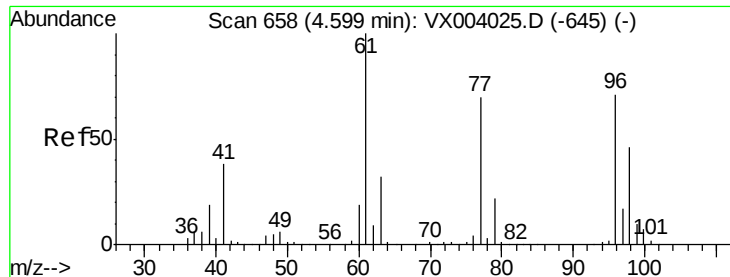
Tgt Ion: 77 Resp: 150902

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.9





#27

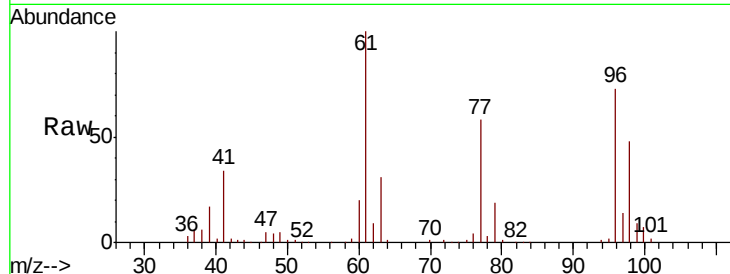
cis-1,2-Dichloroethene
Concen: 52.87 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

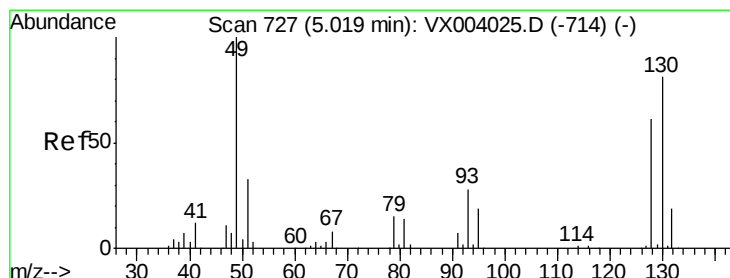
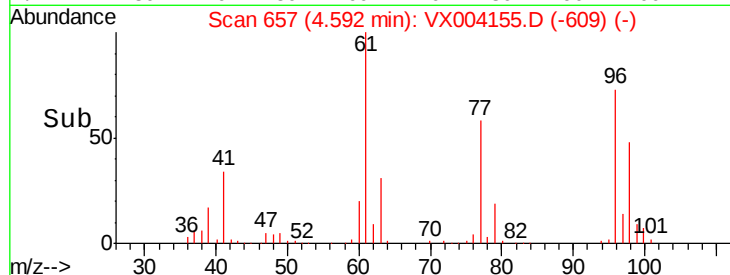
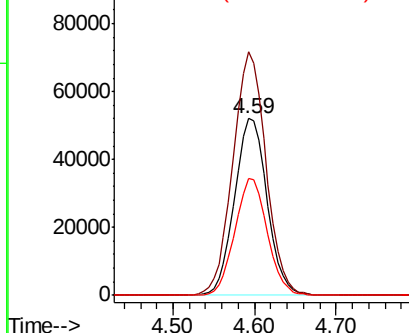
Tot Ion	Ratio	Resp	Lower	Upper
96	100	144507		
61	139.9	0.0	293.0	
98	65.5	0.0	131.8	

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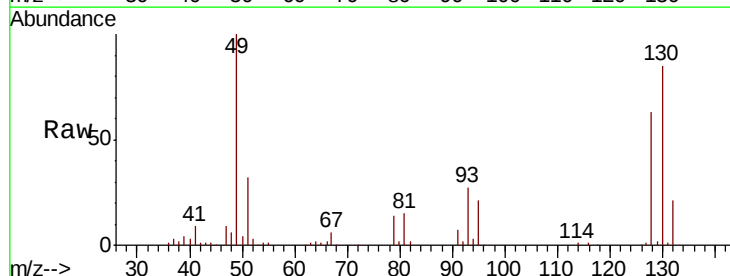
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



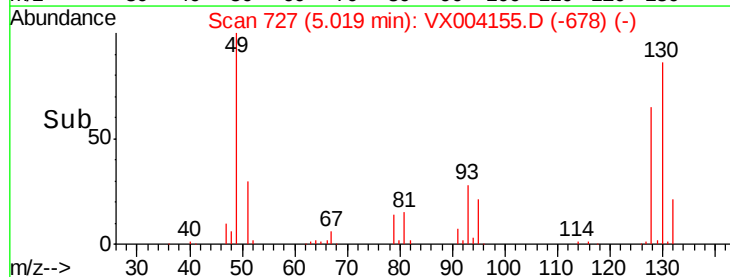
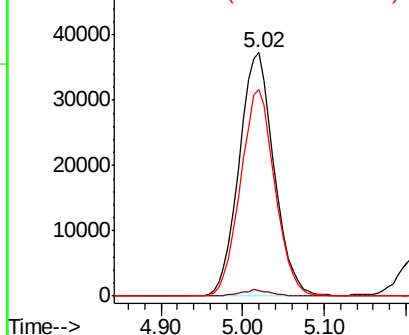
#28

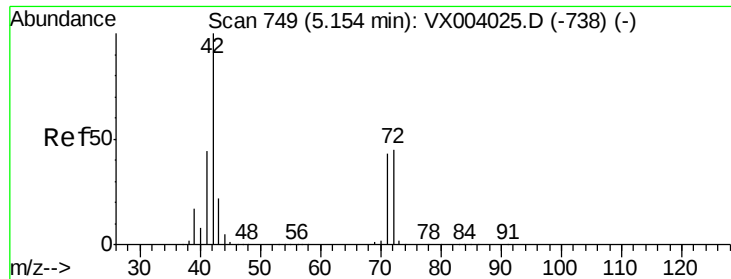
Bromochloromethane
Concen: 53.52 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.00 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110985		
129	2.2	0.0	4.2	
130	83.5	66.5	99.7	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





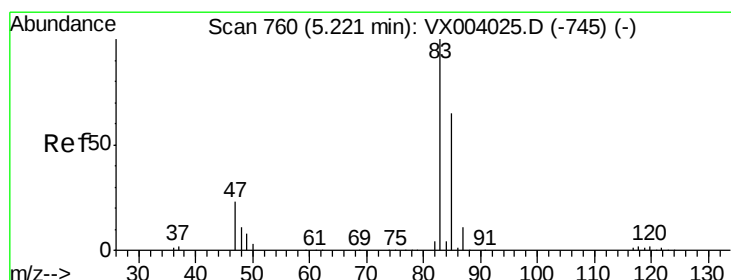
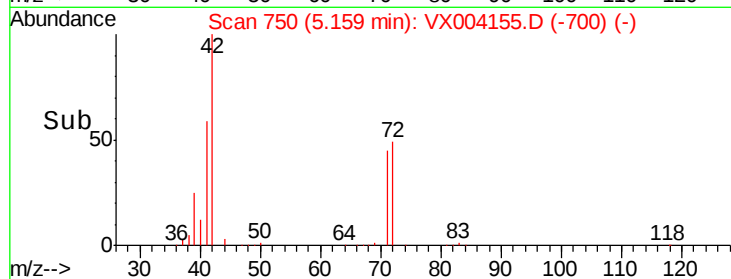
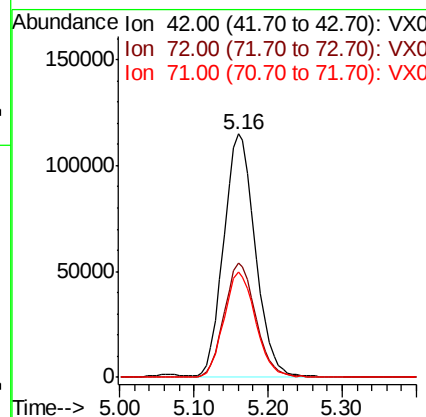
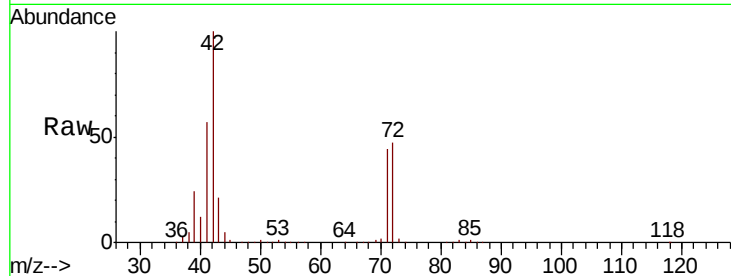
#29
Tetrahydrofuran
Concen: 273.45 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.7	56.5
71	43.5	35.0	52.6

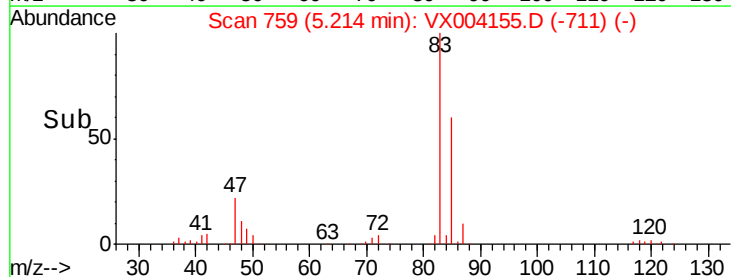
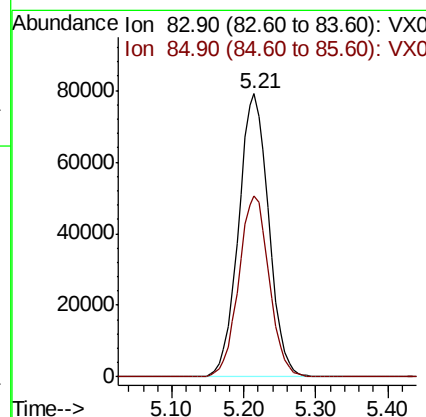
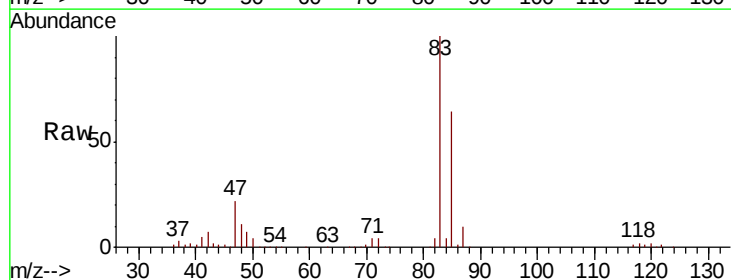
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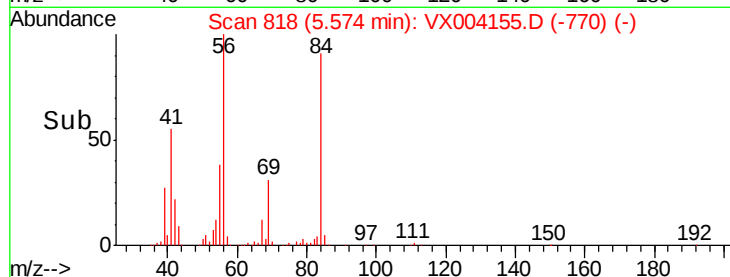
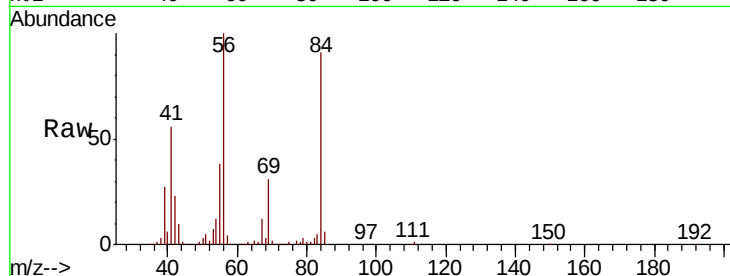
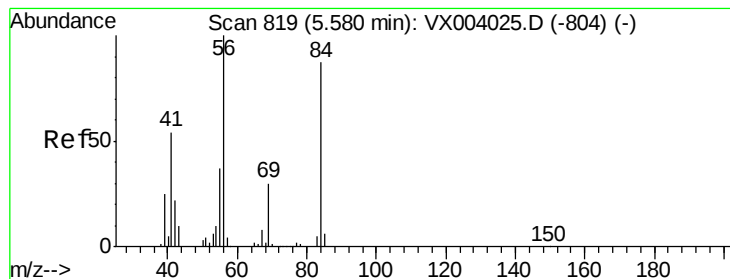
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#30
Chloroform
Concen: 52.07 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.7	76.1





#31

Cyclohexane

Concen: 41.09 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Tot Ion:	56	Resp:	162781
Ion Ratio	Lower	Upper	
56	100		
69	31.3	24.9	37.3
84	89.8	71.7	107.5

Instrument :

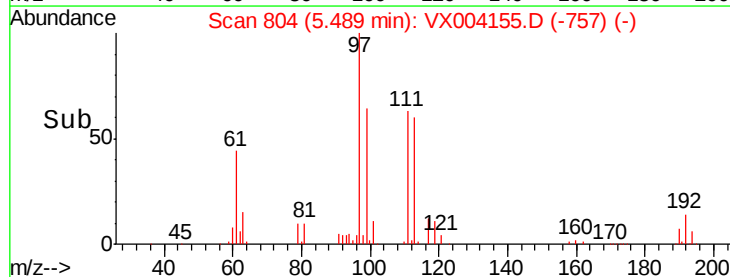
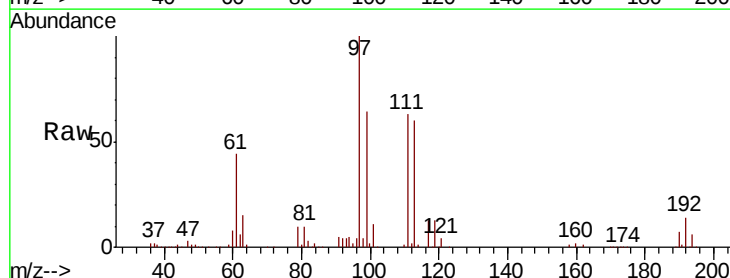
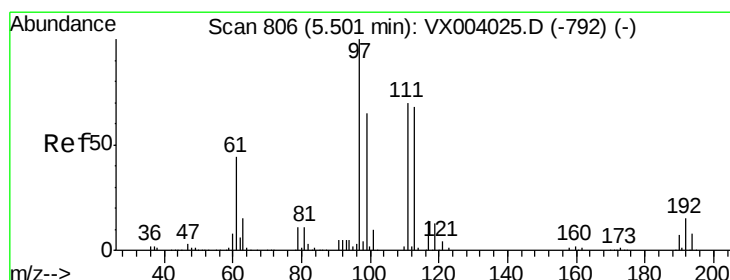
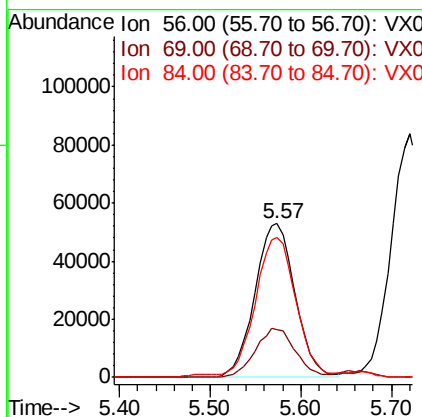
MSVOA_X

ClientSampleId :

KY070MW233-180815MS

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#32

1,1,1-Trichloroethane

Concen: 49.30 ug/l

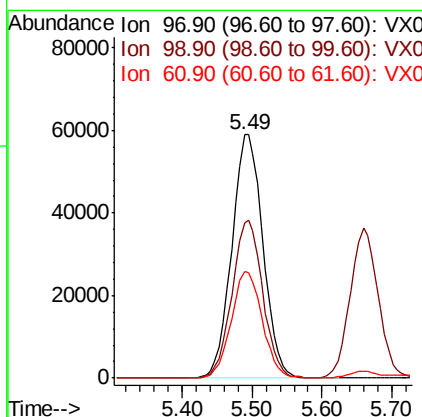
RT: 5.49 min Scan# 804

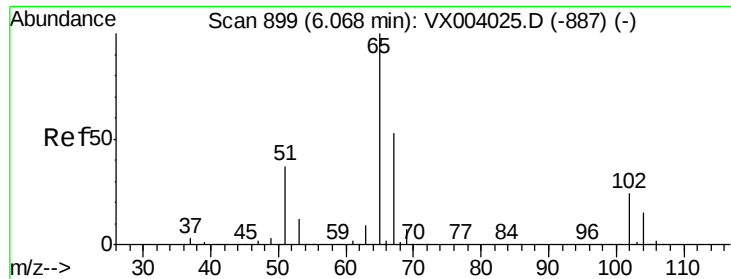
Delta R.T. -0.01 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Tgt Ion:	97	Resp:	181712
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.8	77.8
61	43.8	34.4	51.6





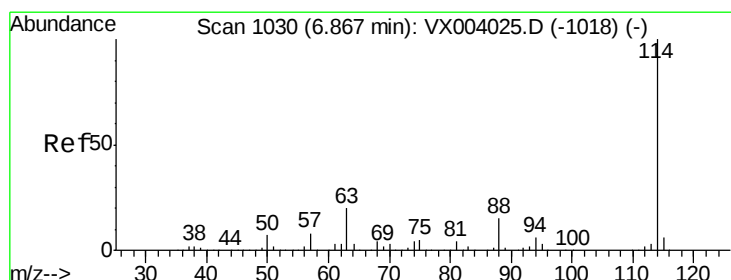
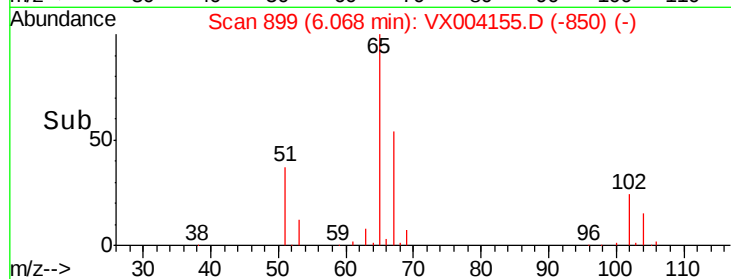
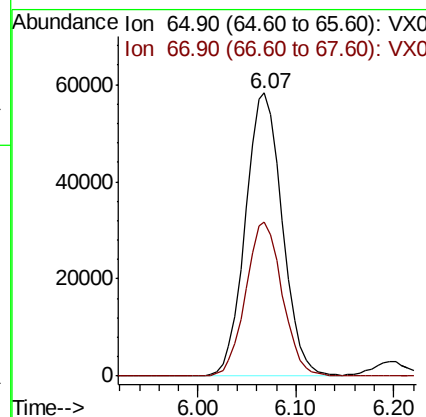
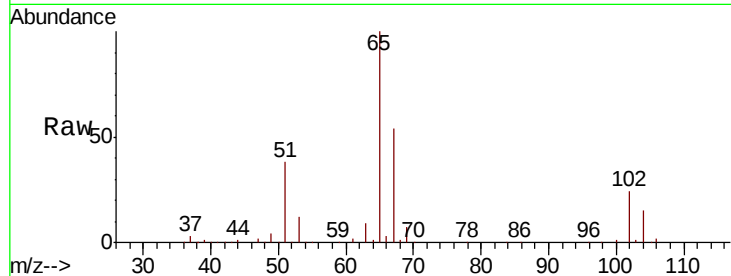
#33
 1,2-Dichloroethane-d4
 Concen: 53.13 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	152270		
67	54.0	0.0	105.8	

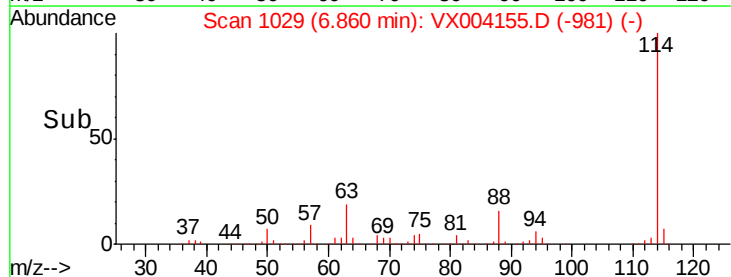
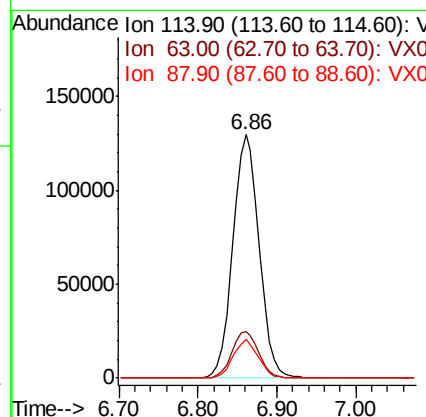
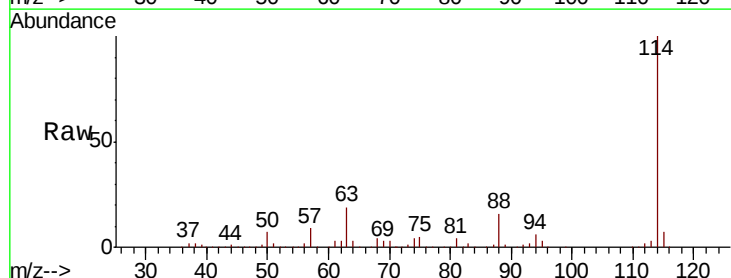
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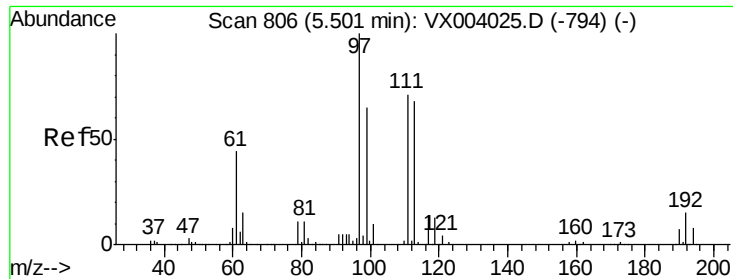
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	300127		
63	19.2	0.0	39.0	
88	15.8	0.0	32.0	





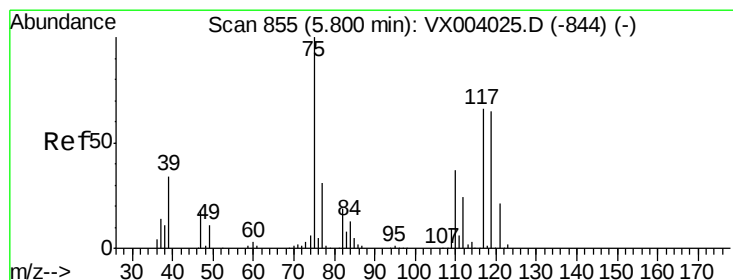
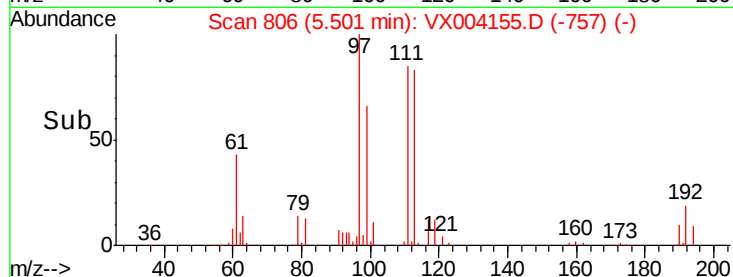
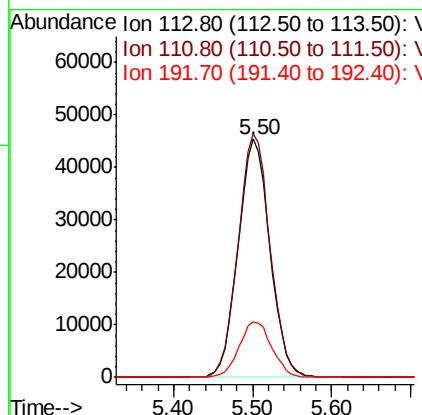
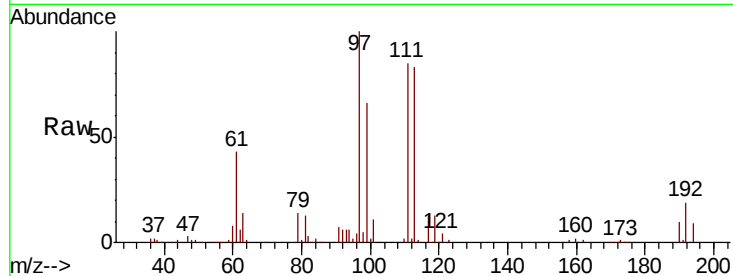
#35
 Dibromofluoromethane
 Concen: 56.79 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127554		
111	102.6	82.0	123.0	
192	23.9	19.0	28.4	

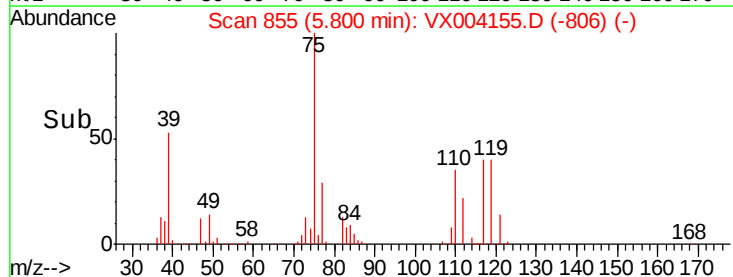
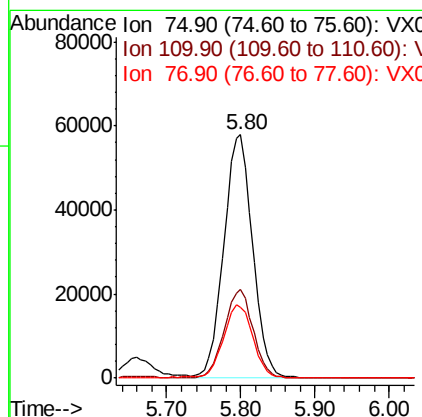
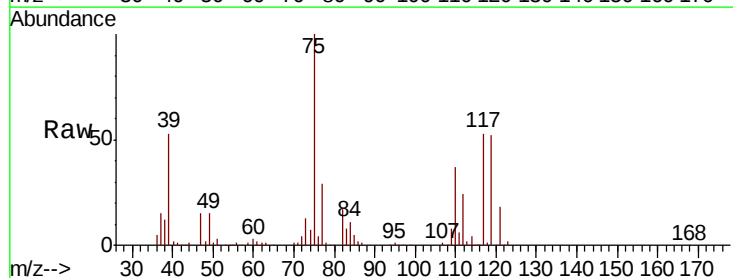
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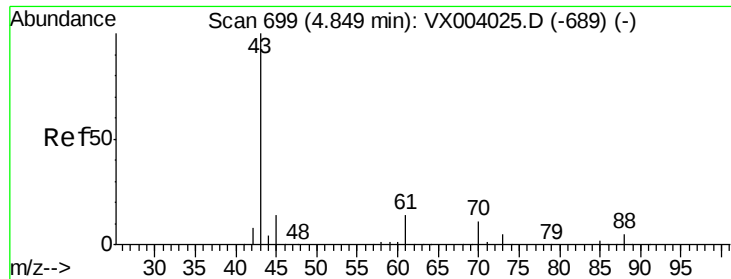
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#36
 1,1-Dichloropropene
 Concen: 45.74 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	156202		
110	36.3	18.2	54.6	
77	30.8	25.0	37.4	





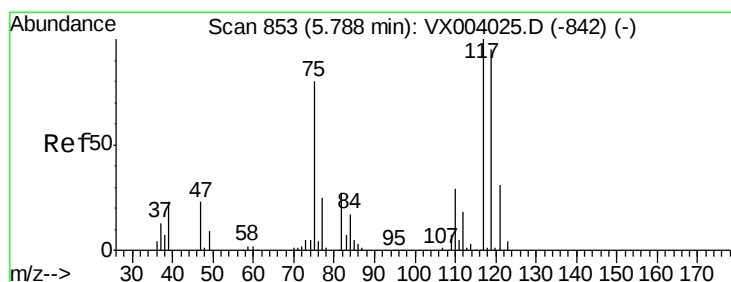
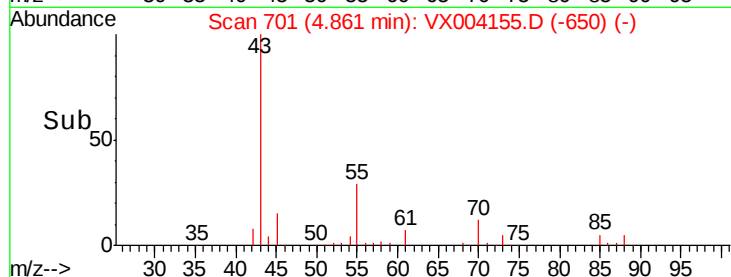
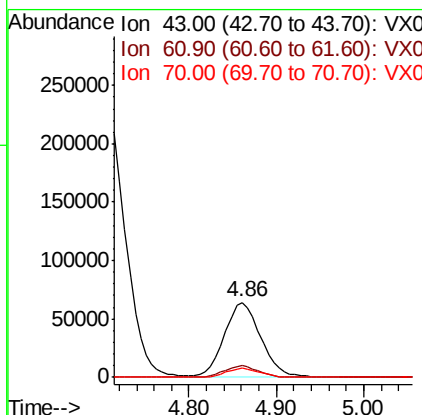
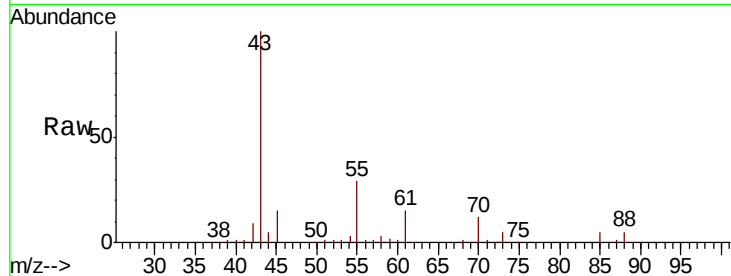
#37
Ethyl Acetate
Concen: 49.78 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.3	9.0	13.4

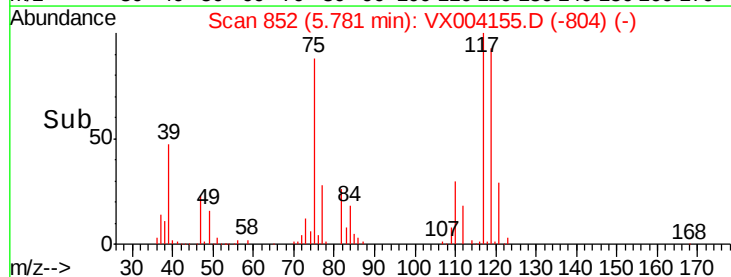
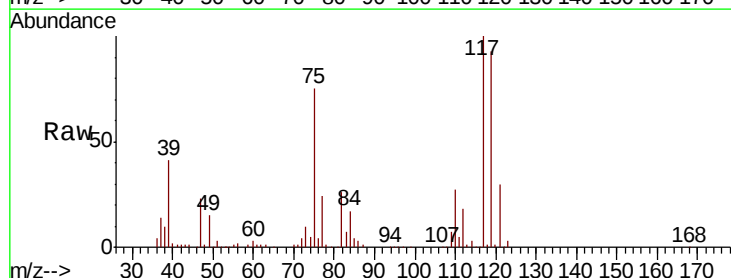
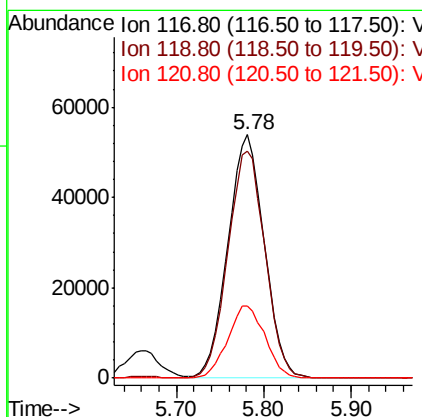
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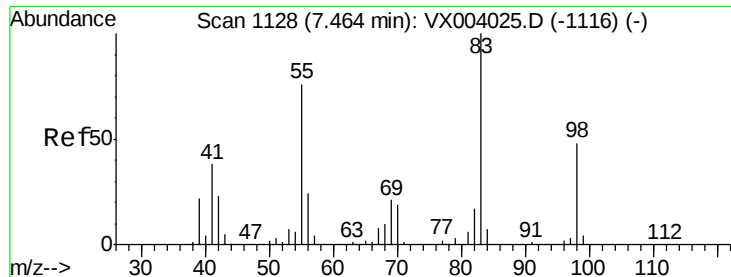
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#38
Carbon Tetrachloride
Concen: 46.99 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	79.5	119.3
121	29.5	25.0	37.4





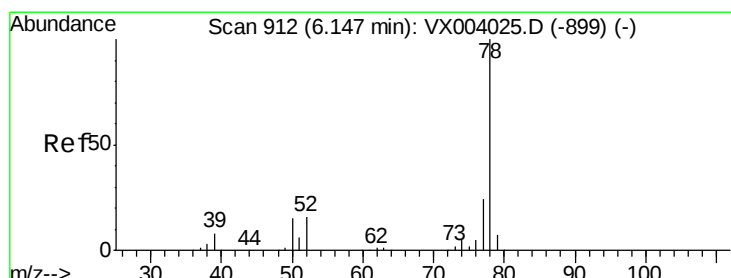
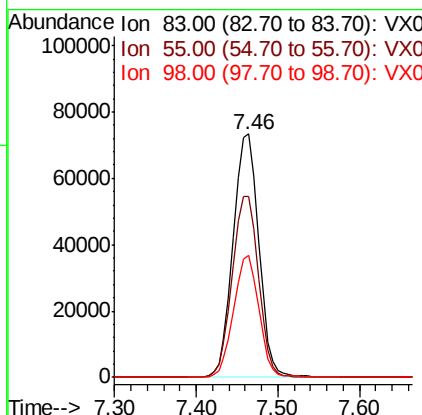
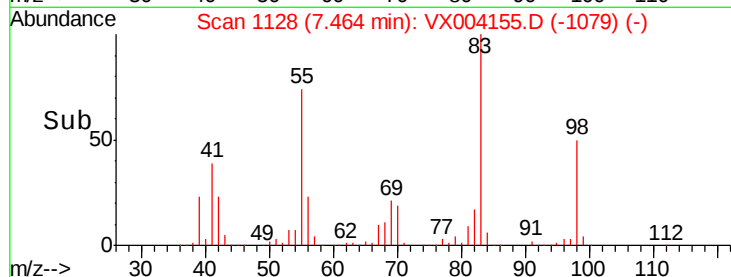
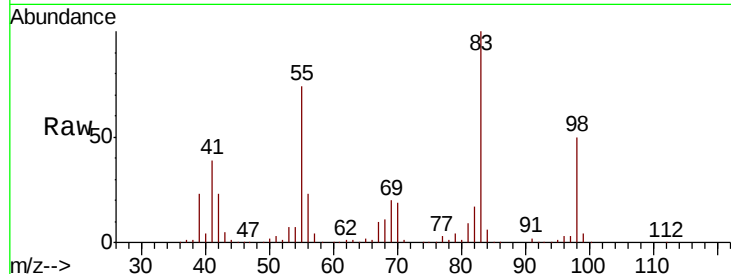
#39
Methvlcvclohexane
Concen: 41.23 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	61.0	91.6
98	50.1	38.6	57.8

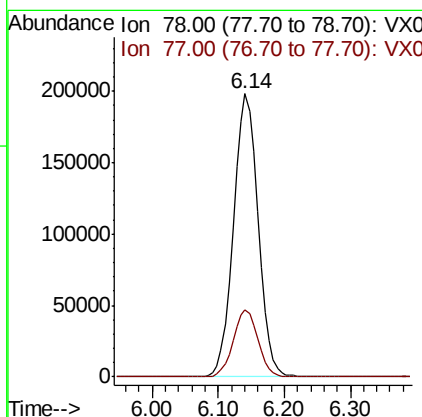
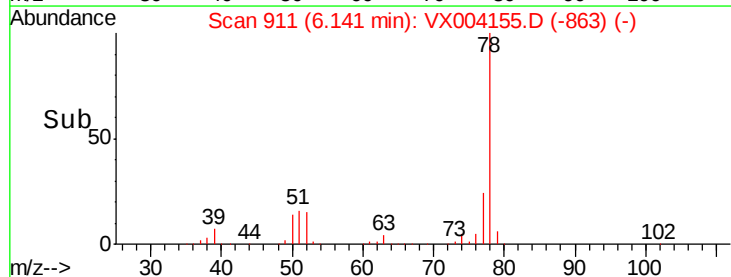
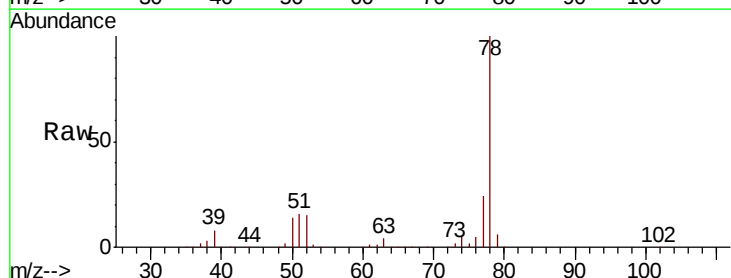
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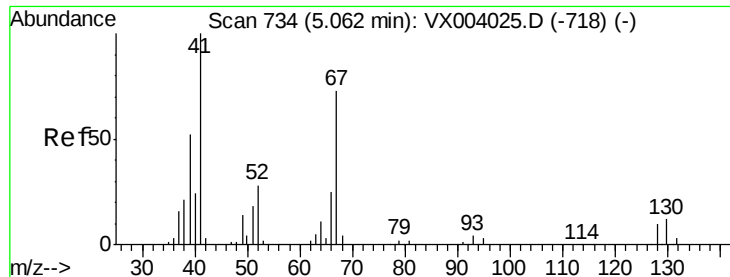
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#40
Benzene
Concen: 49.83 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





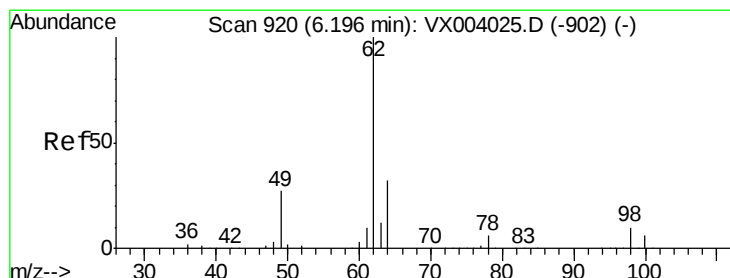
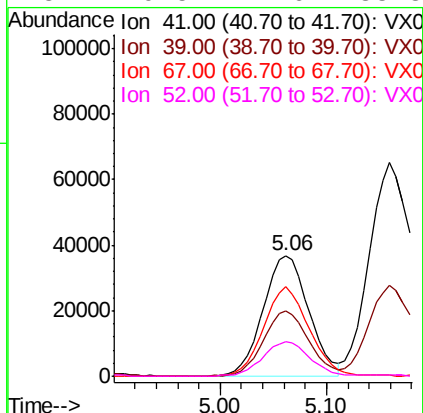
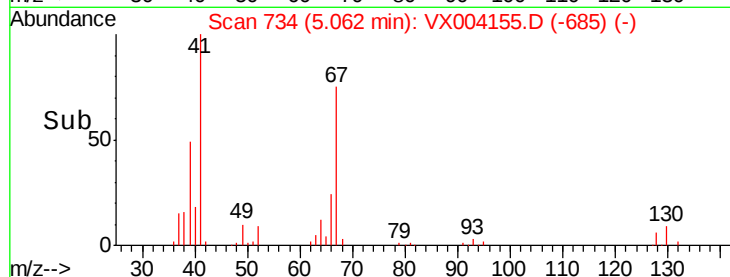
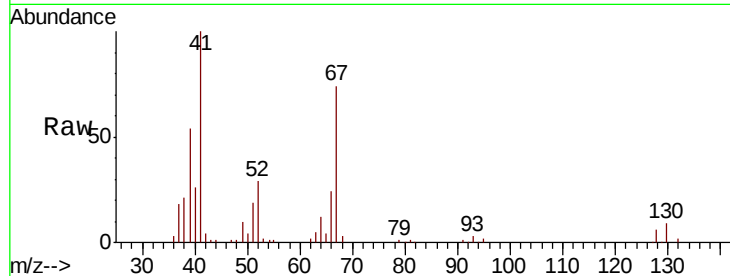
#41
Methacrylonitrile
Concen: 52.51 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.7	64.1	
67	74.0	58.9	88.3	
52	29.5	22.6	33.8	

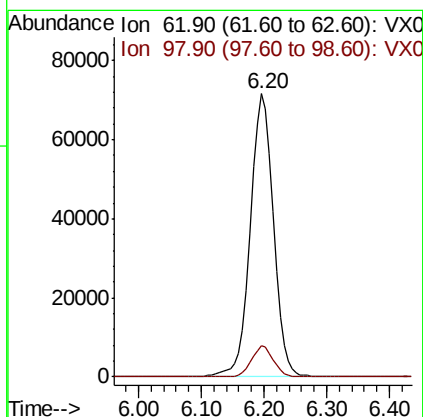
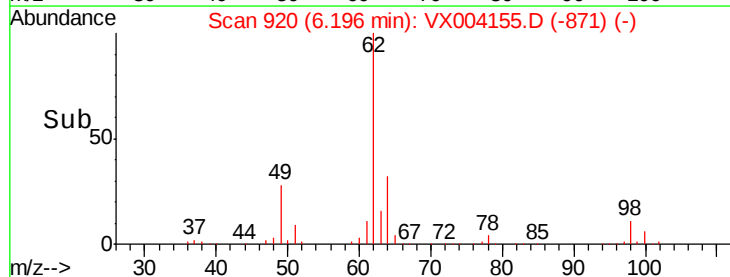
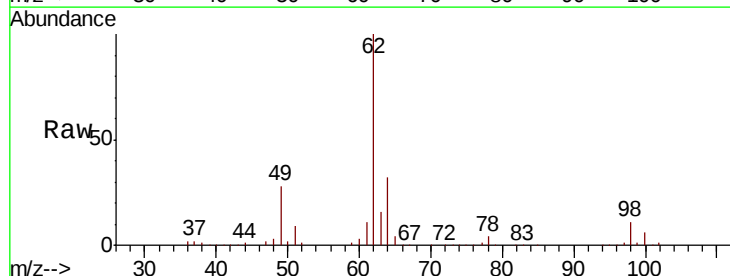
Manual Integrations
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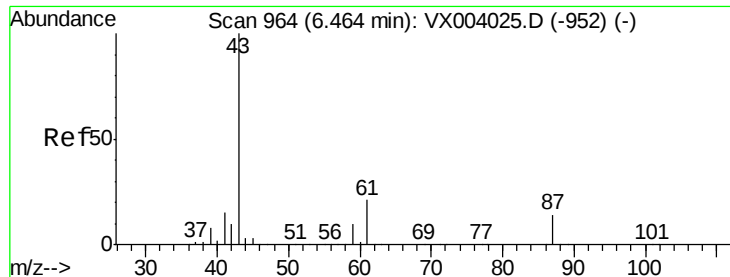
MMDadoda
8/21/2018 11:16:39 AM



#42
1,2-Dichloroethane
Concen: 51.20 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.4	





#43

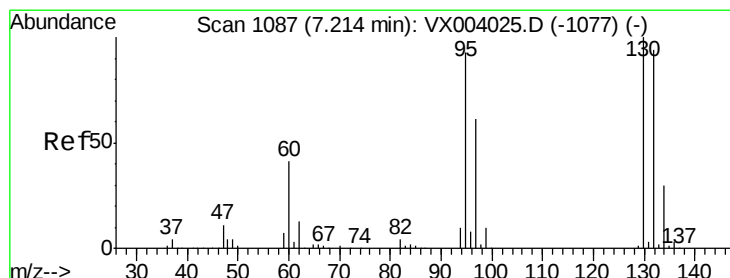
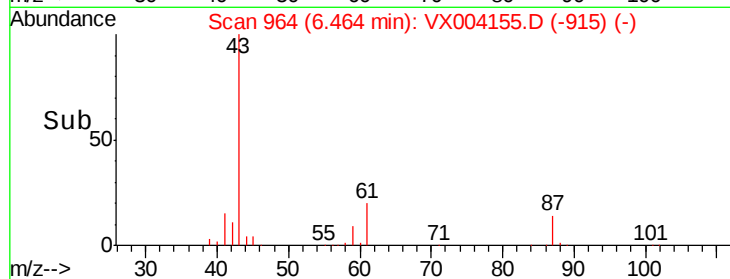
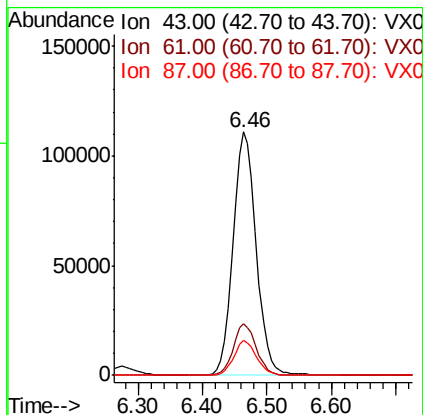
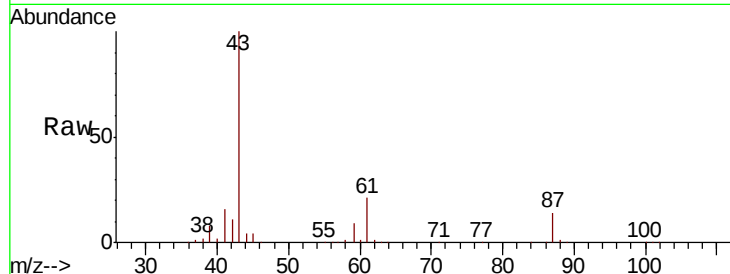
Isopropyl Acetate
 Concen: 50.45 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.9	25.3
87	14.1	11.3	16.9

Manual Integrations
 APPROVED

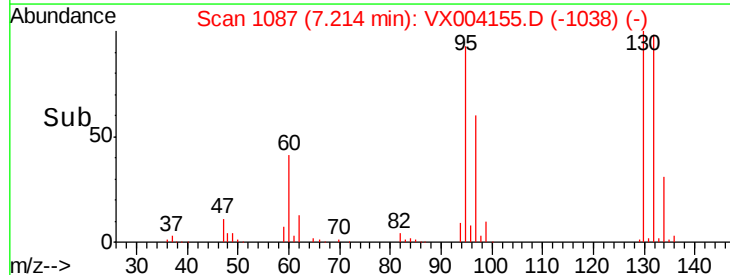
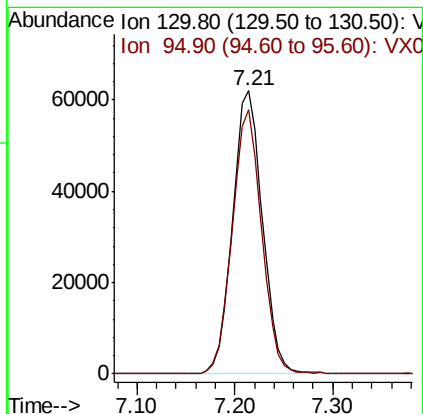
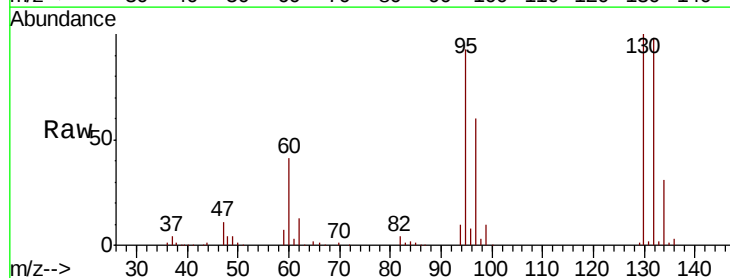
MMDadoda
 8/21/2018 11:16:39 AM

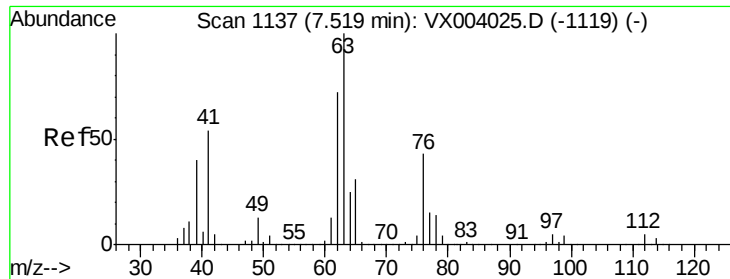


#44

Trichloroethene
 Concen: 47.05 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	199.4





#45

1,2-Dichloropropane

Concen: 50.84 ug/l

RT: 7.51 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MS

Tot Ion: 63 Resp: 133472

Ion Ratio Lower Upper

63 100

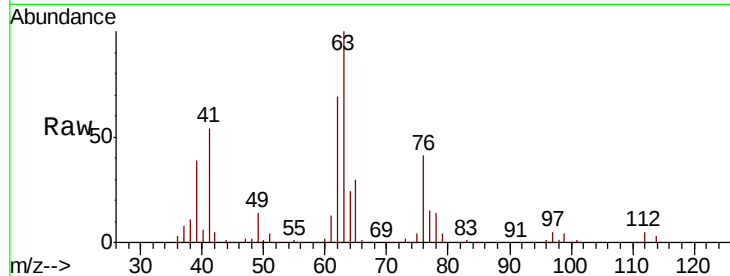
65 29.6 24.6 36.8

Manual Integrations

APPROVED

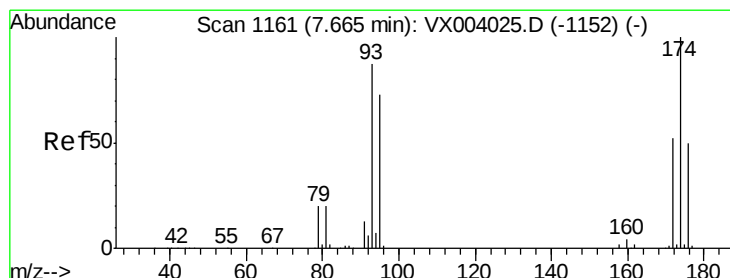
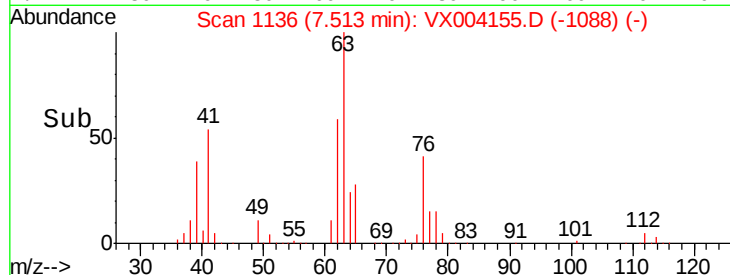
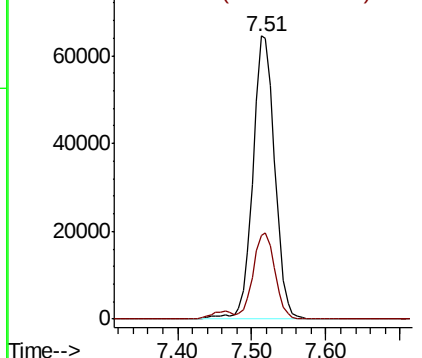
MMDadoda

8/21/2018 11:16:39 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.99 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

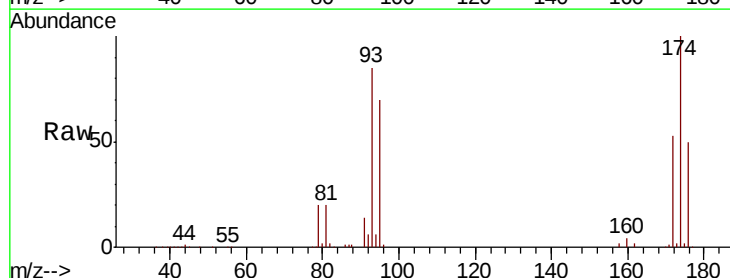
Tgt Ion: 93 Resp: 89195

Ion Ratio Lower Upper

93 100

95 83.2 66.4 99.6

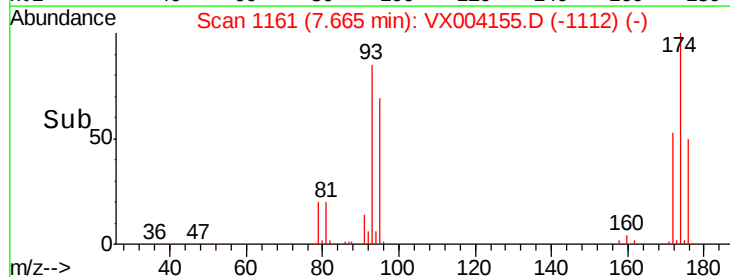
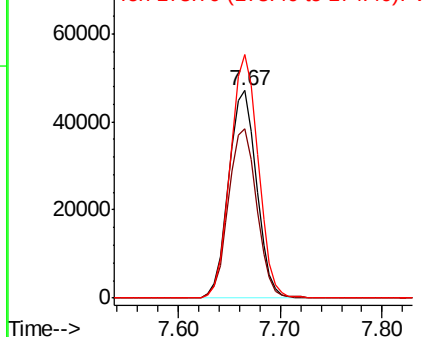
174 117.1 94.3 141.5

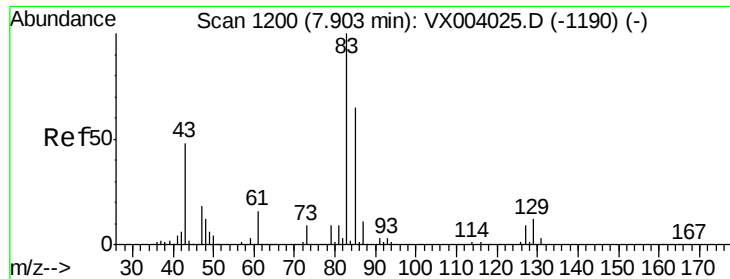


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





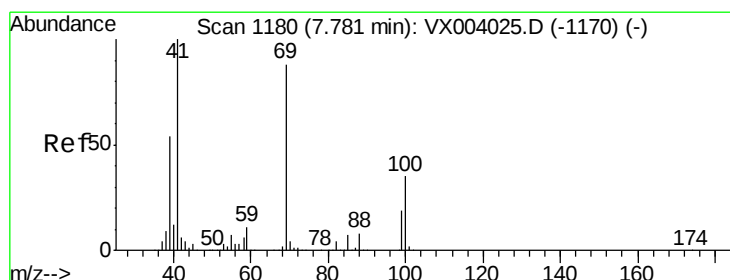
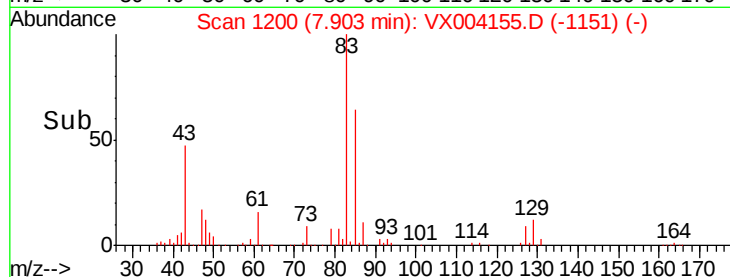
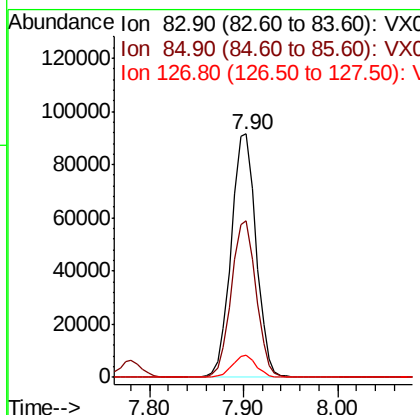
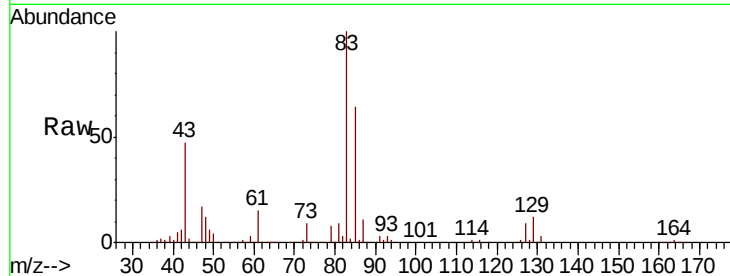
#47
 Bromodichloromethane
 Concen: 51.77 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	168218		
85	64.4		51.2	76.8
127	8.9		7.2	10.8

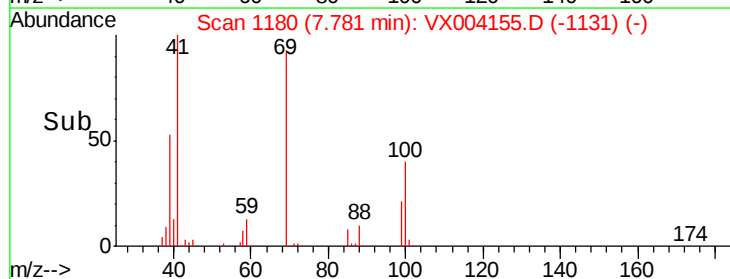
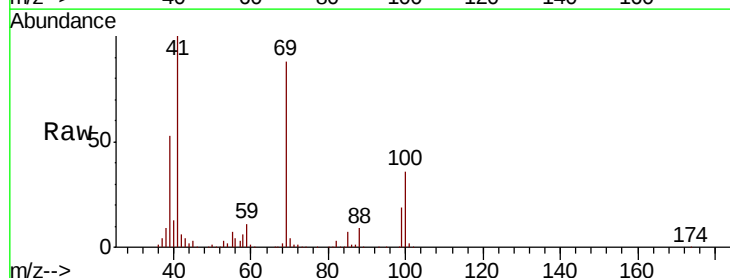
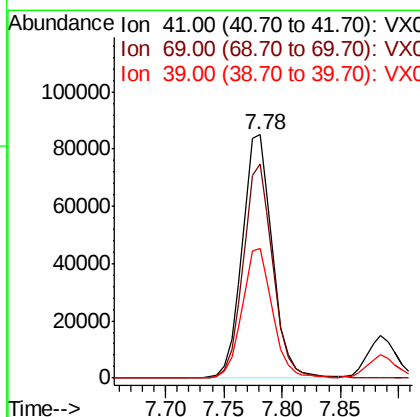
Manual Integrations
 APPROVED

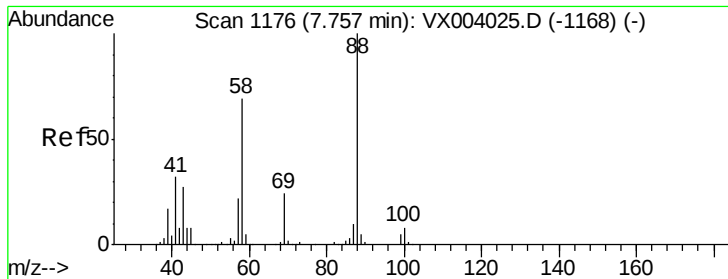
MMDadoda
 8/21/2018 11:16:39 AM



#48
 Methyl methacrylate
 Concen: 55.54 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	153274		
69	87.3		68.8	103.2
39	53.6		42.3	63.5





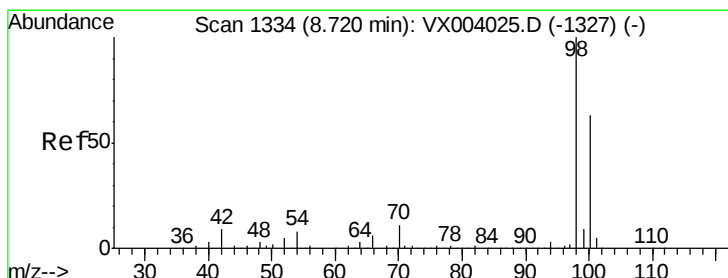
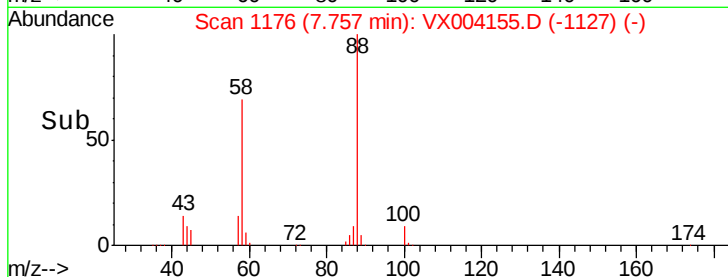
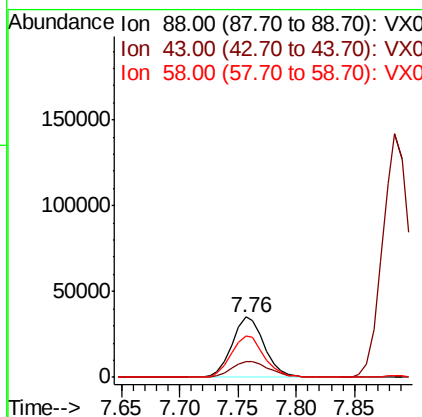
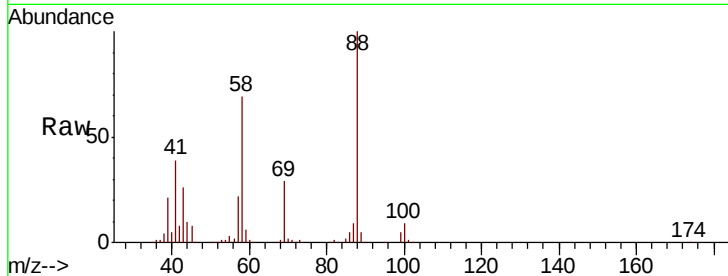
#49
1,4-Dioxane
Concen: 1088.80 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	23.8	35.8
58	69.6	55.4	83.0

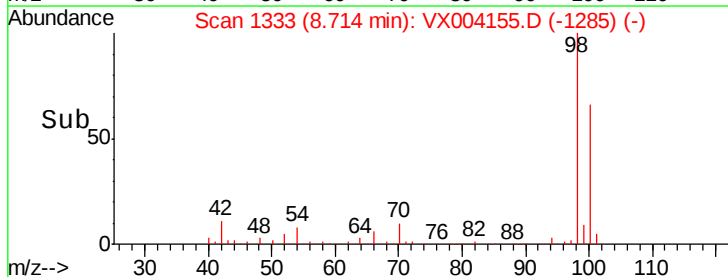
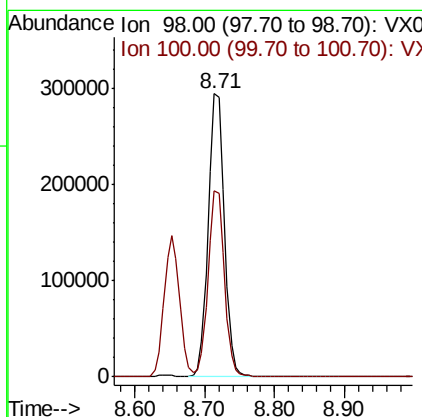
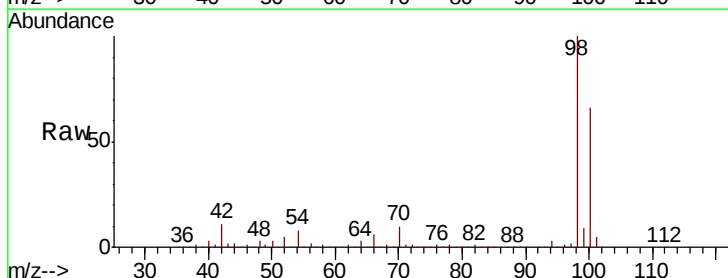
Manual Integrations
APPROVED

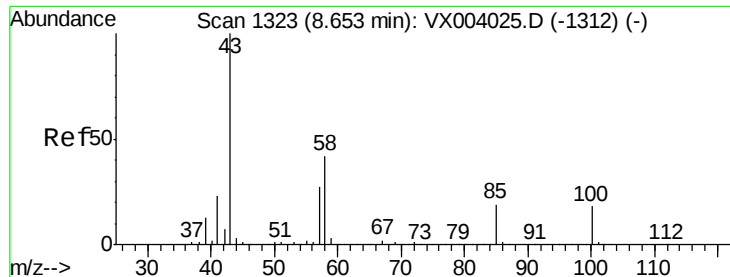
MMDadoda
8/21/2018 11:16:39 AM



#50
Toluene-d8
Concen: 52.03 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 289.46 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MS

Tot Ion: 43 Resp: 1301083

Ion Ratio Lower Upper

43 100

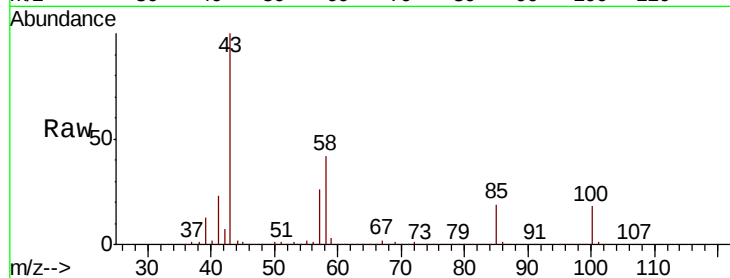
58 41.2 33.0 49.6

Manual Integrations

APPROVED

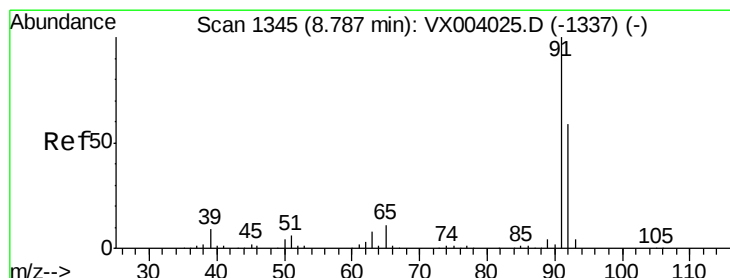
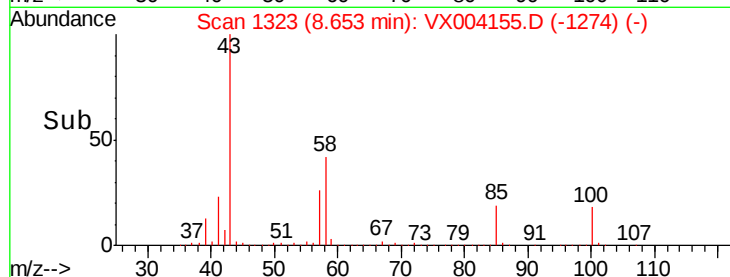
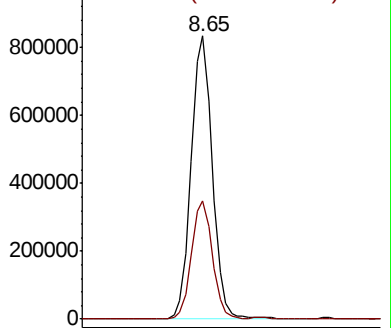
MMDadoda

8/21/2018 11:16:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.12 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004155.D

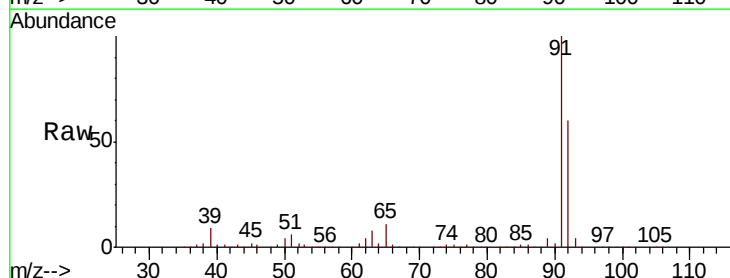
Acq: 20 Aug 2018 16:15

Tgt Ion: 92 Resp: 325089

Ion Ratio Lower Upper

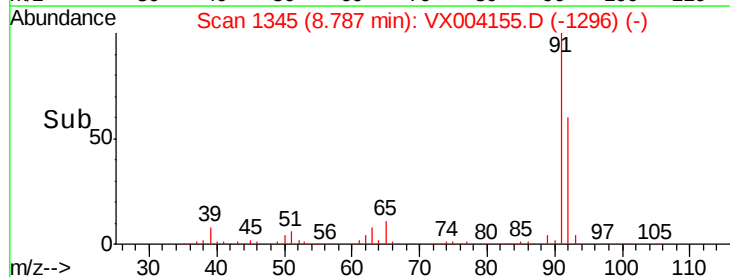
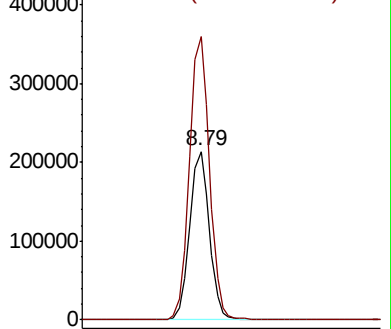
92 100

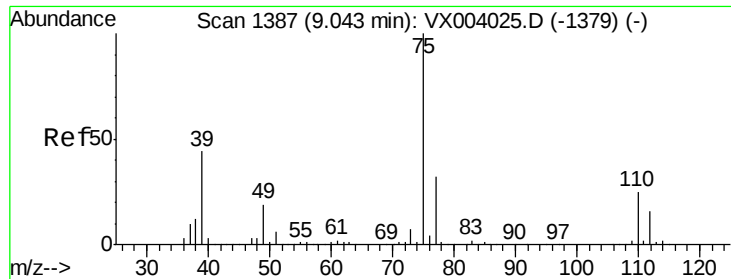
91 170.8 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





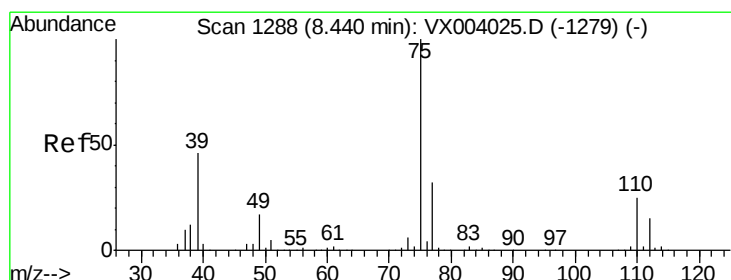
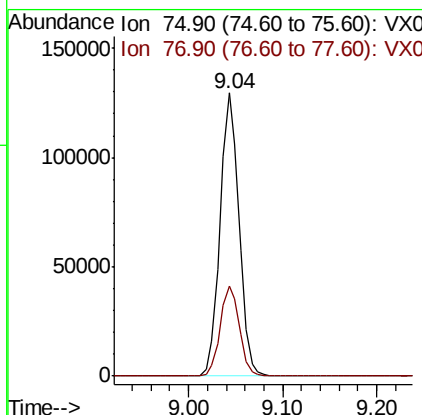
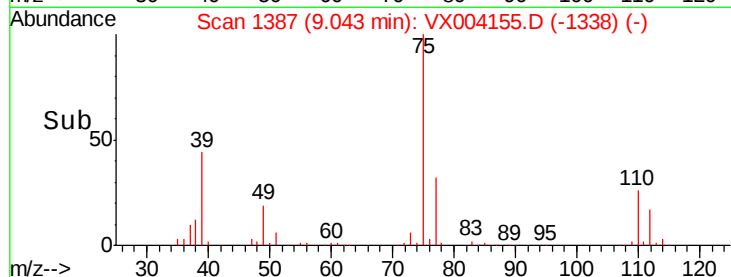
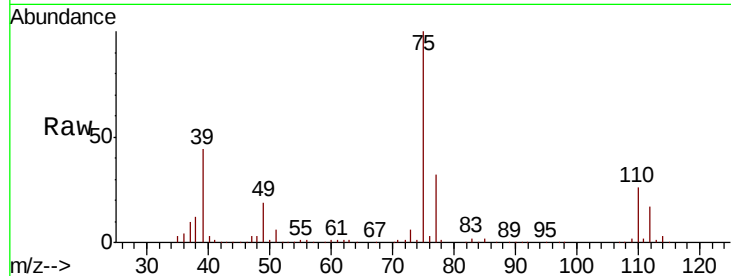
#53
 t-1,3-Dichloropropene
 Concen: 51.45 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion: 75 Resp: 180601
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7

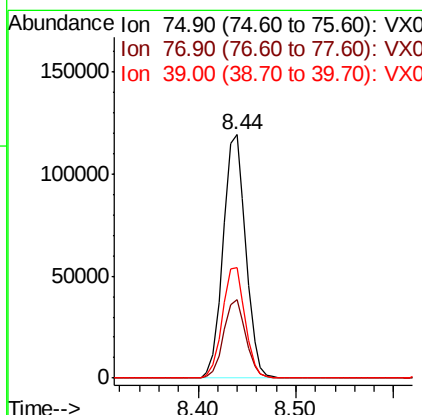
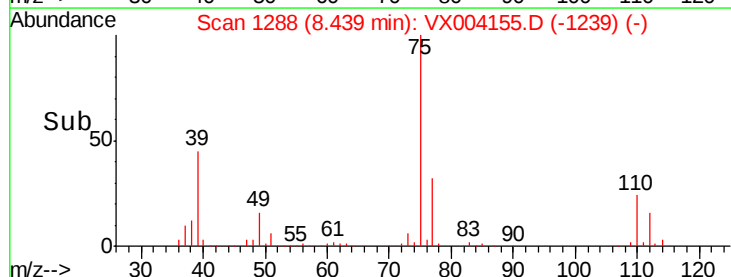
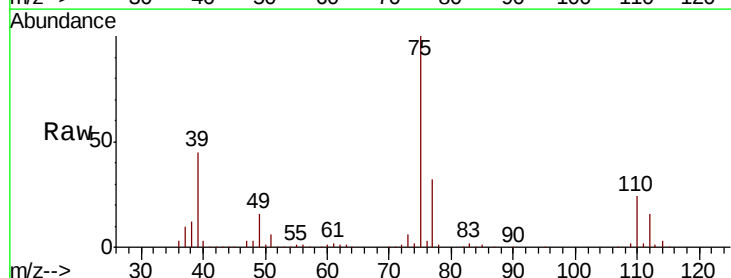
Manual Integrations
 APPROVED

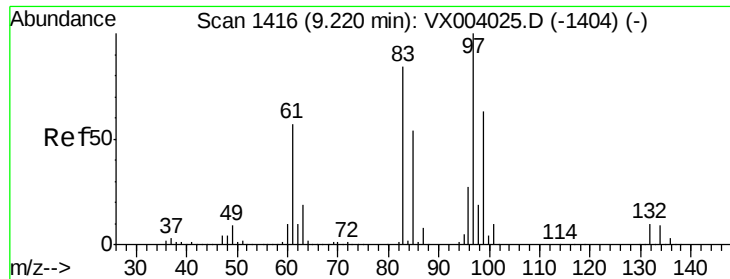
MMDadoda
 8/21/2018 11:16:39 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.25 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion: 75 Resp: 191465
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9
 39 45.4 36.2 54.2





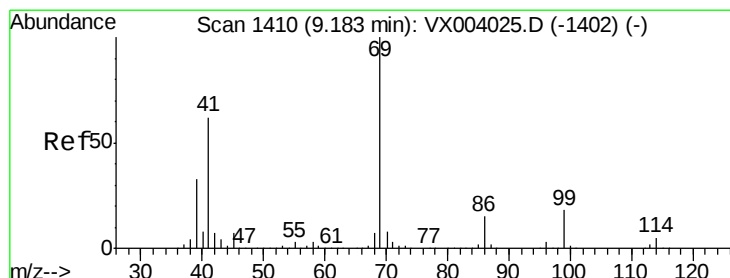
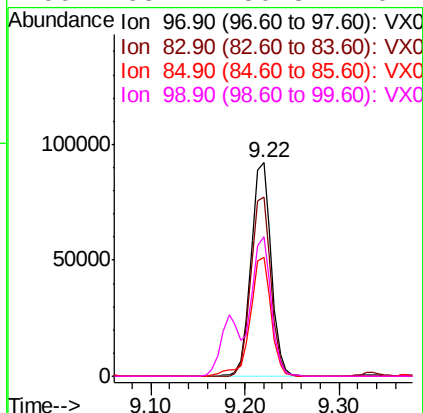
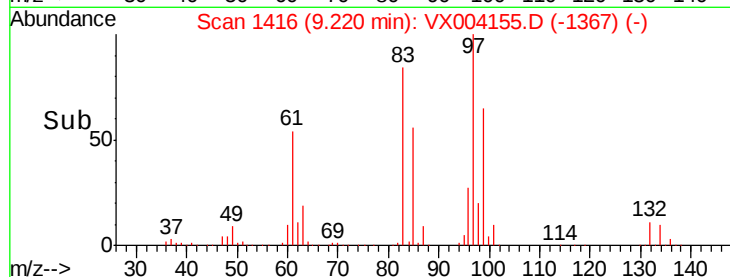
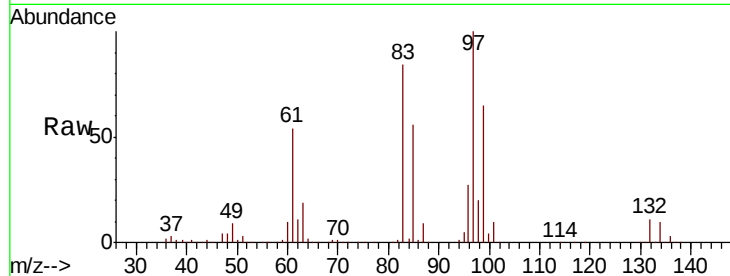
#55
 1,1,2-Trichloroethane
 Concen: 51.84 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion	97	Resp	138856
Ion Ratio	Lower	Upper	
97	100		
83	83.8	67.8	101.6
85	55.9	44.2	66.2
99	65.1	50.8	76.2

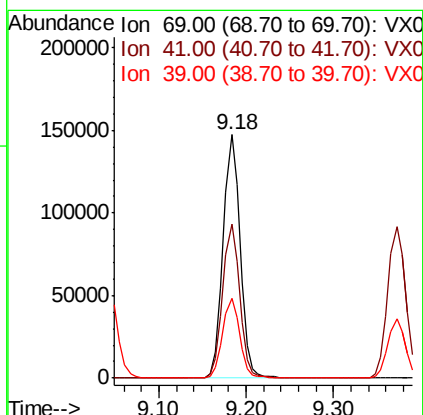
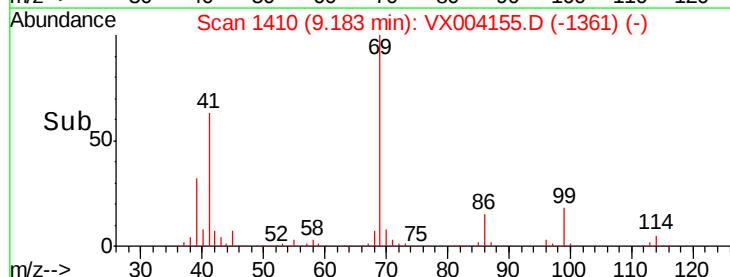
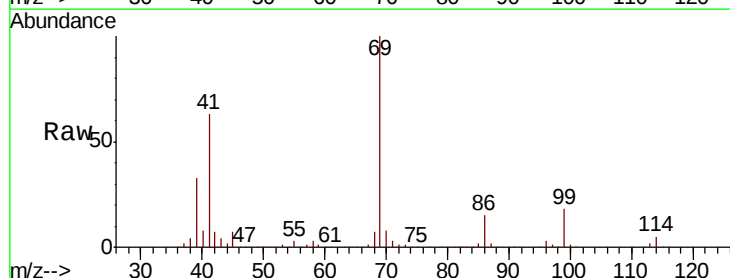
Manual Integrations
 APPROVED

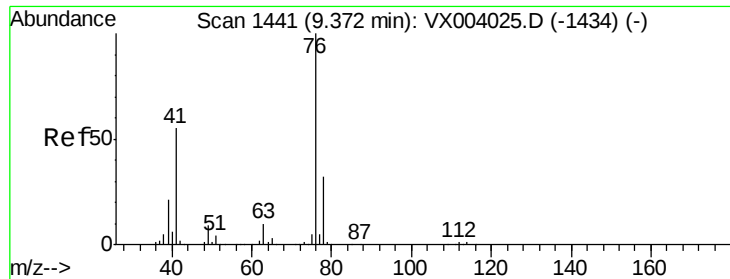
MMDadoda
 8/21/2018 11:16:39 AM



#56
 Ethyl methacrylate
 Concen: 54.58 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion	69	Resp	198773
Ion Ratio	Lower	Upper	
69	100		
41	63.2	50.6	76.0
39	32.9	25.8	38.6





#57

1,3-Dichloropropane

Concen: 52.32 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MS

Tot Ion: 76 Resp: 232500

Ion Ratio Lower Upper

76 100

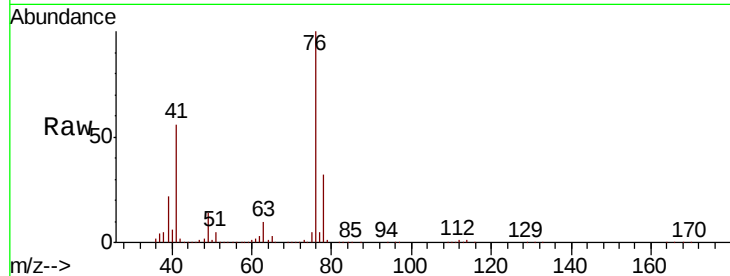
78 32.1 25.9 38.9

Manual Integrations

APPROVED

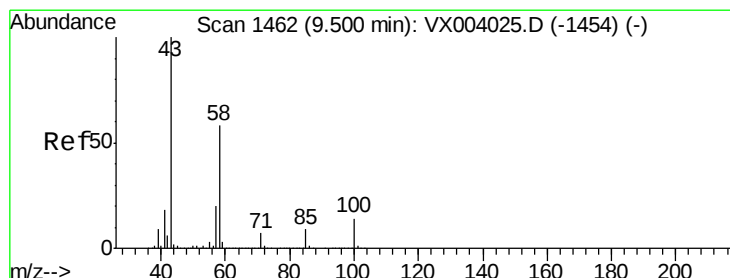
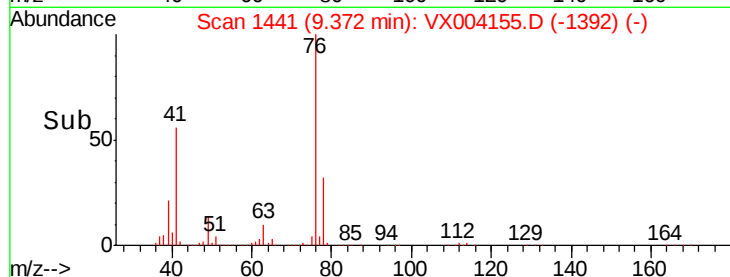
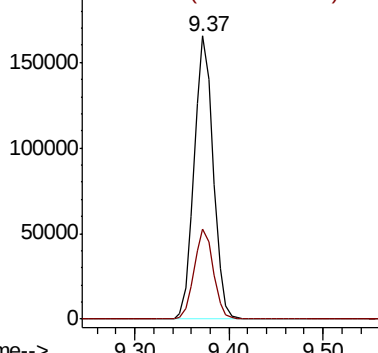
MMDadoda

8/21/2018 11:16:39 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 296.35 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX004155.D

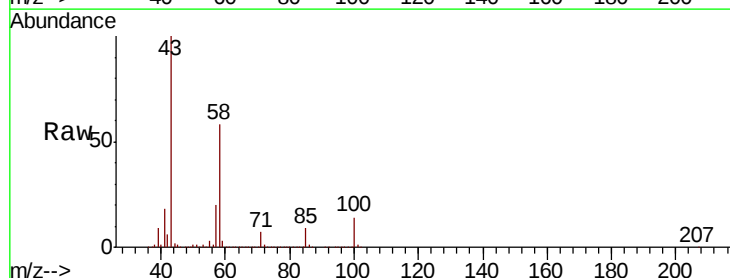
Acq: 20 Aug 2018 16:15

Tgt Ion: 43 Resp: 1002540

Ion Ratio Lower Upper

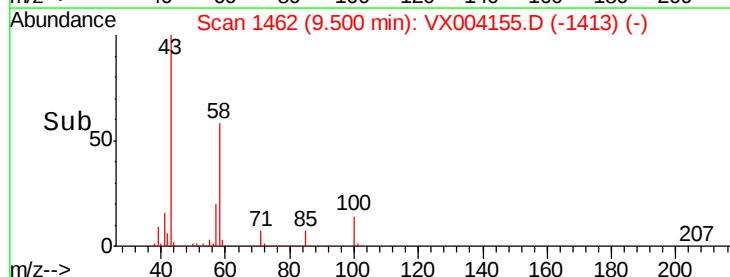
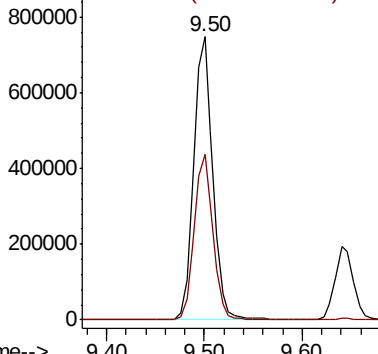
43 100

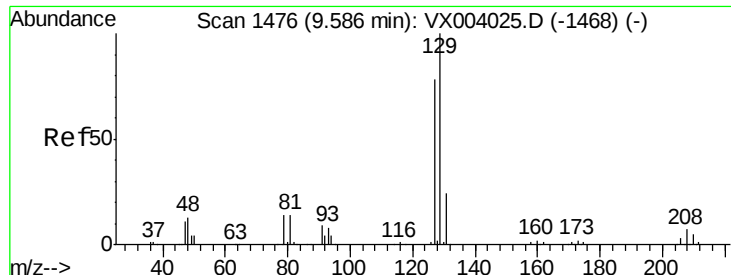
58 57.9 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 52.66 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MS

Tot Ion:129 Resp: 135728

Ion Ratio Lower Upper

129 100

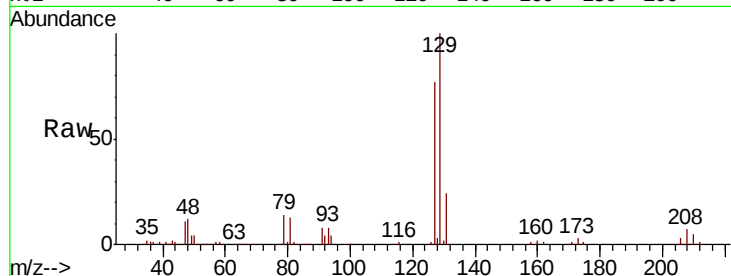
127 77.1 38.8 116.3

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

100000

80000

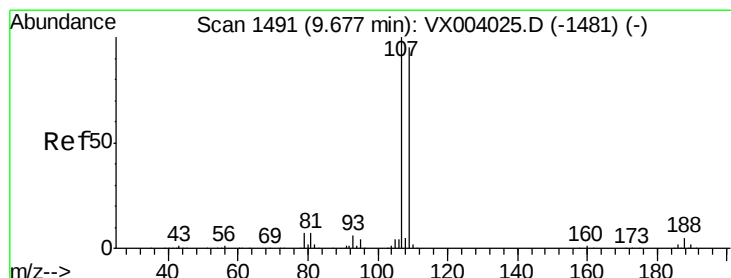
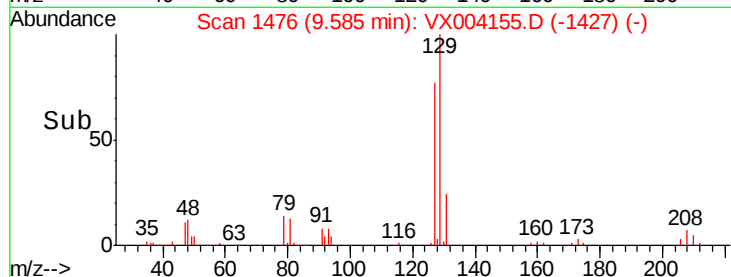
60000

40000

20000

0

Time-->



#61

1,2-Dibromoethane

Concen: 53.07 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX004155.D

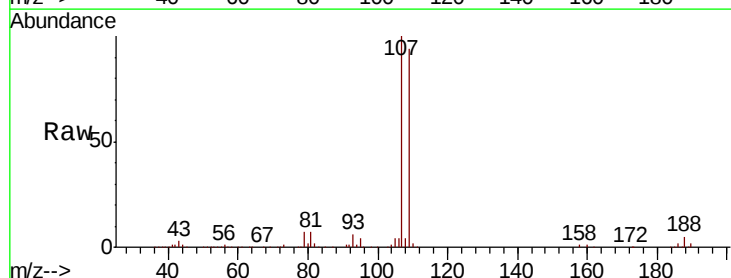
Acq: 20 Aug 2018 16:15

Tgt Ion:107 Resp: 144912

Ion Ratio Lower Upper

107 100

109 95.0 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

100000

80000

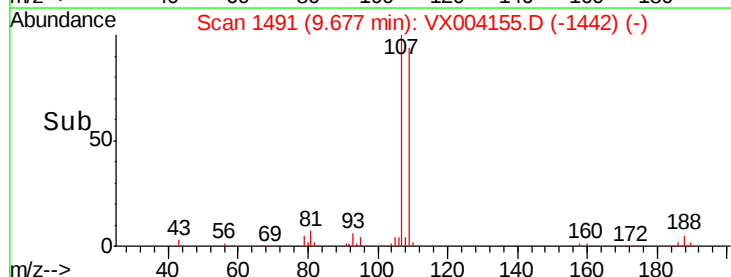
60000

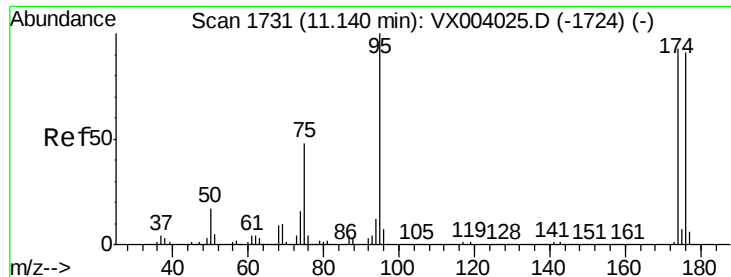
40000

20000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

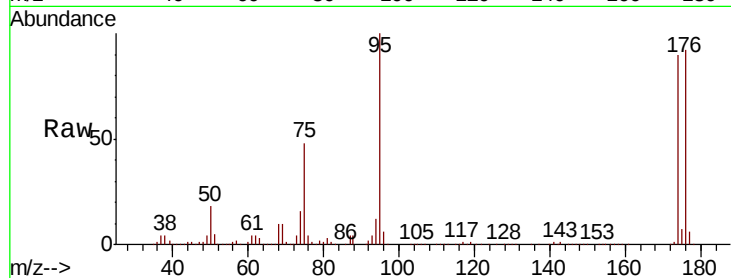
ClientSampleId :

KY070MW233-180815MS

Tot Ion:	95	Resp:	174492
Ion Ratio	Lower	Upper	
95	100		
174	90.0	0.0	182.8
176	88.0	0.0	179.0

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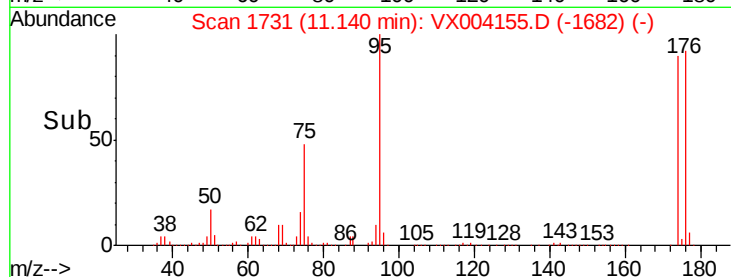


Abundance Ion 94.90 (94.60 to 95.60): VX004155.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX004155.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX004155.D (-1682) (-)

Time-->



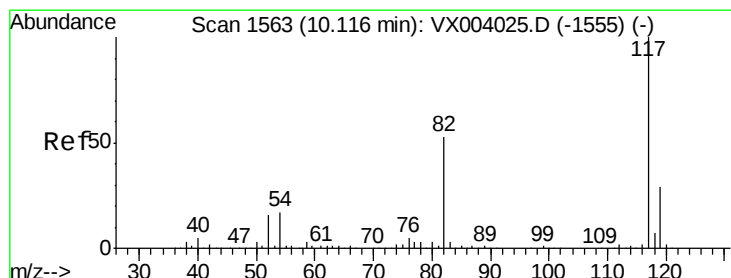
Abundance

Ion 94.90 (94.60 to 95.60): VX004155.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX004155.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX004155.D (-1682) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

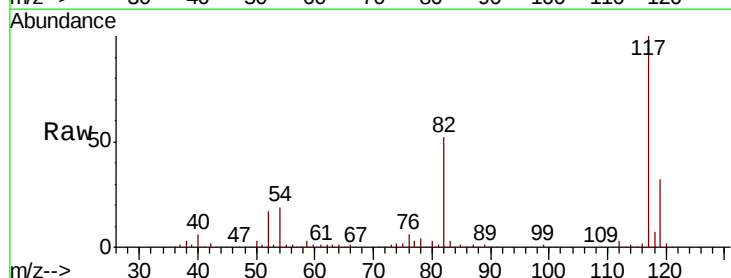
RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Tgt Ion:	117	Resp:	298326
Ion Ratio	Lower	Upper	
117	100		
82	51.9	45.4	68.0
119	32.1	26.6	40.0

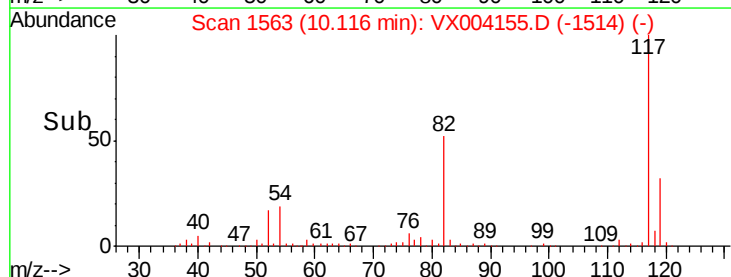


Abundance Ion 116.90 (116.60 to 117.60): VX004155.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX004155.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX004155.D (-1514) (-)

Time-->



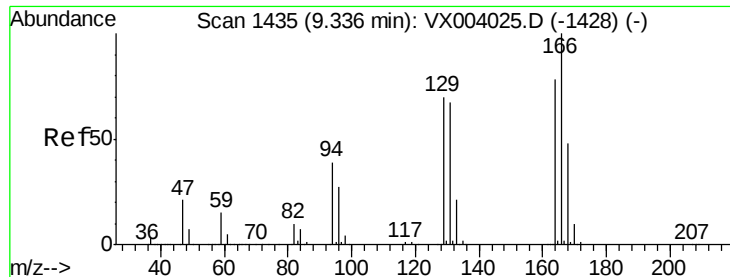
Abundance

Ion 116.90 (116.60 to 117.60): VX004155.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX004155.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX004155.D (-1514) (-)

Time-->



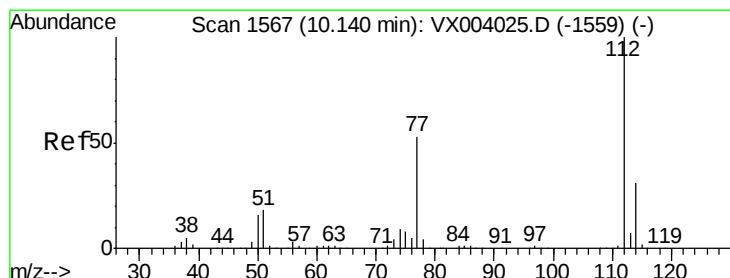
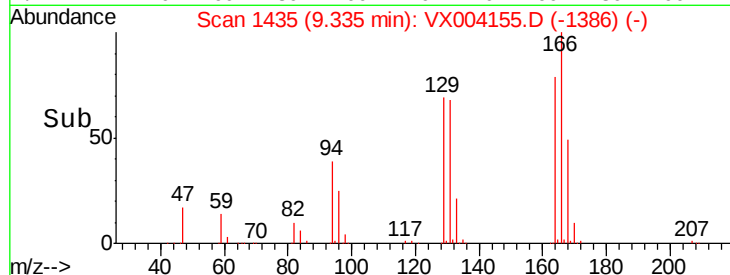
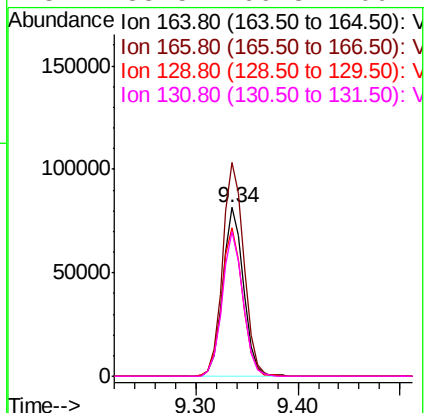
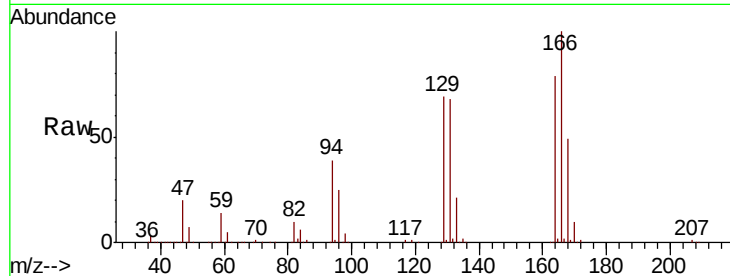
#64
 Tetrachloroethene
 Concen: 40.81 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.6	98.0	147.0	
129	87.7	64.3	96.5	
131	85.5	66.8	100.2	

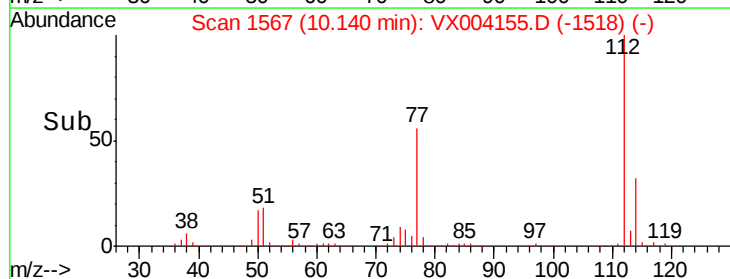
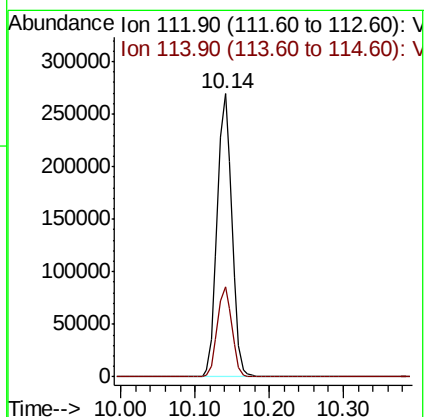
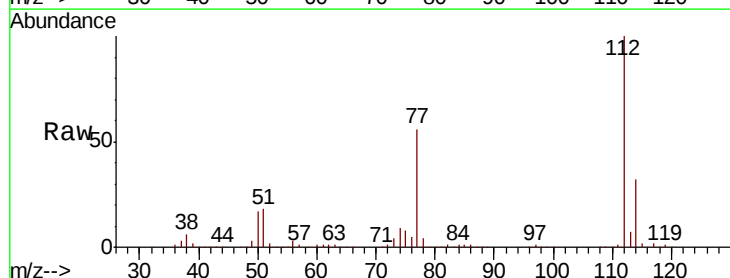
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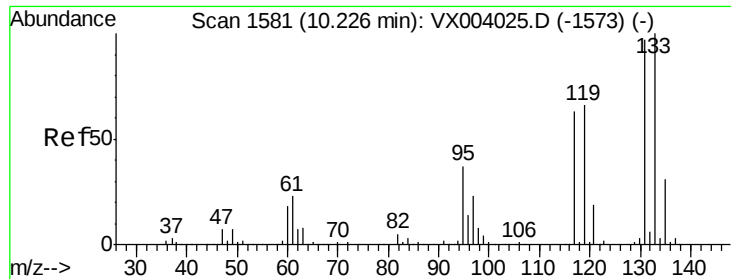
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#65
 Chlorobenzene
 Concen: 47.47 ug/l
 RT: 10.14 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.7	23.6	35.4	





#66

1,1,1,2-Tetrachloroethane

Concen: 50.34 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MS

Tot Ion:131 Resp: 132298

Ion Ratio Lower Upper

131 100

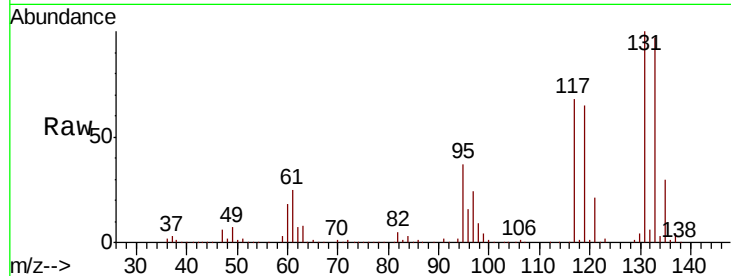
133 96.1 47.3 141.8

119 64.8 31.6 94.8

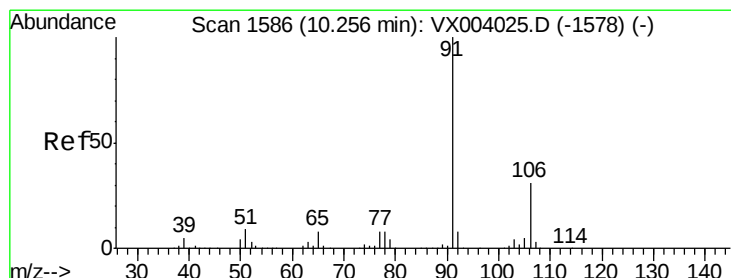
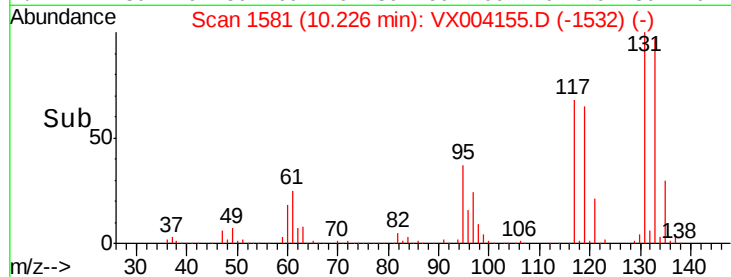
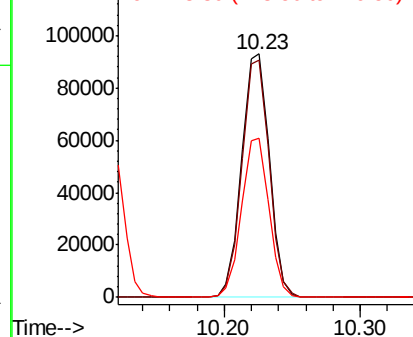
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Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 48.66 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004155.D

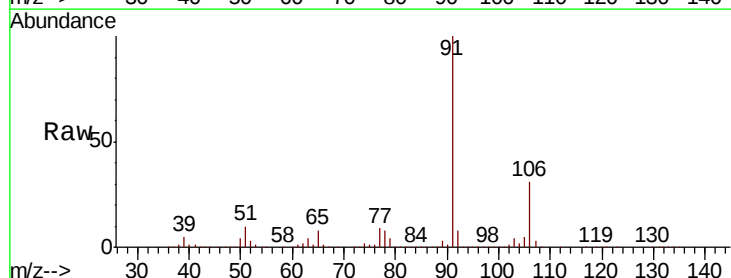
Acq: 20 Aug 2018 16:15

Tgt Ion: 91 Resp: 593775

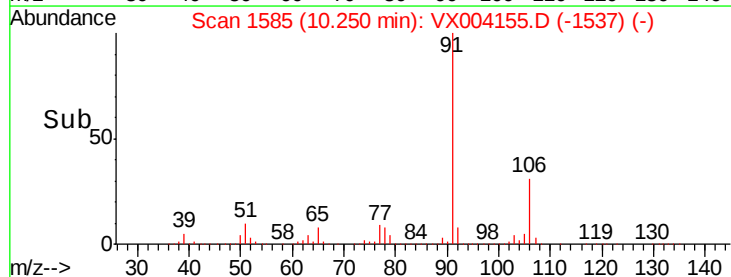
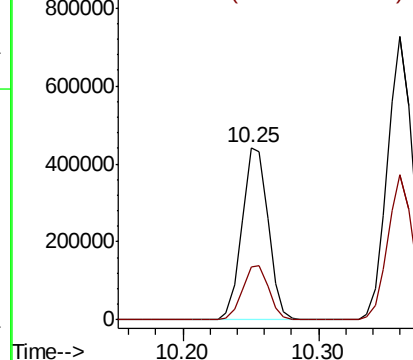
Ion Ratio Lower Upper

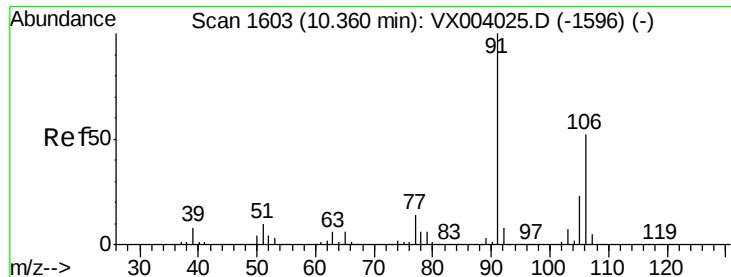
91 100

106 30.8 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





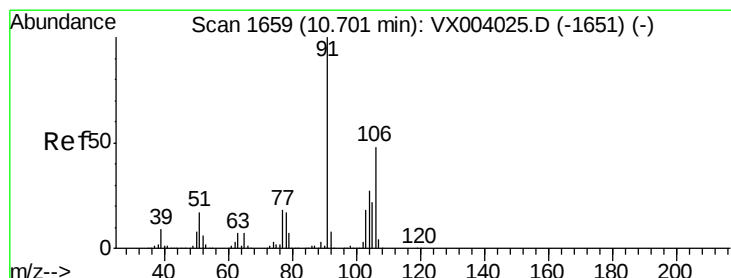
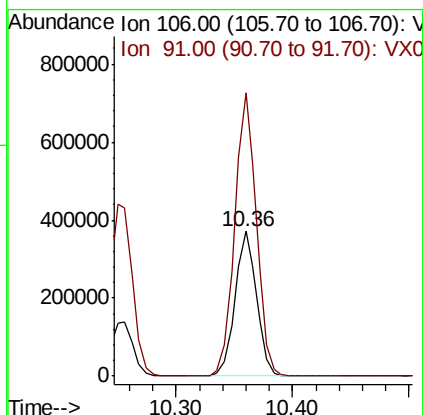
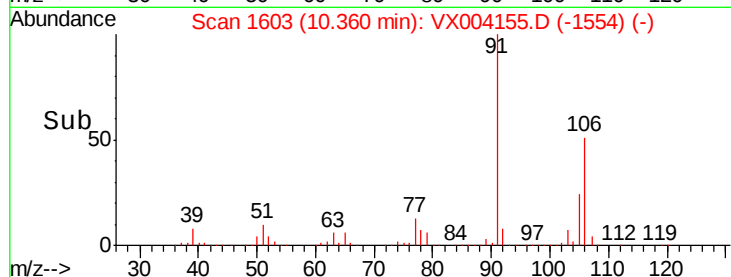
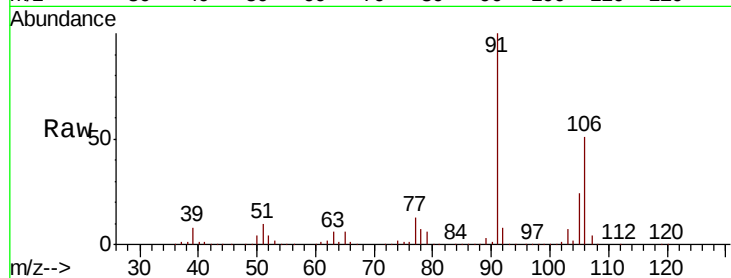
#68
m/p-Xylenes
Concen: 99.79 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion:106 Resp: 476850
Ion Ratio Lower Upper
106 100
91 197.2 162.3 243.5

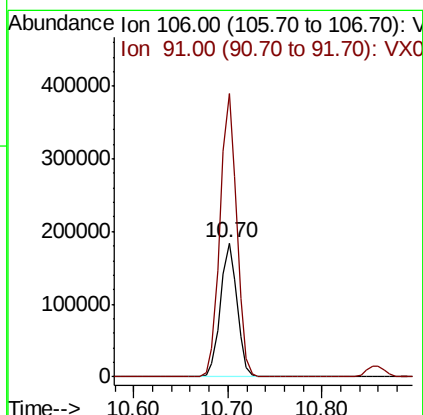
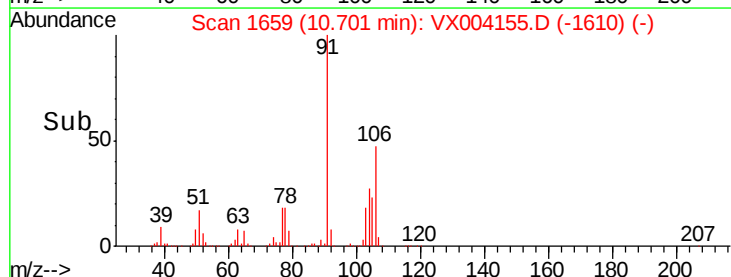
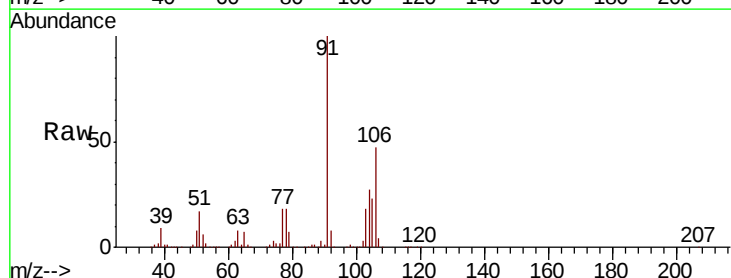
Manual Integrations
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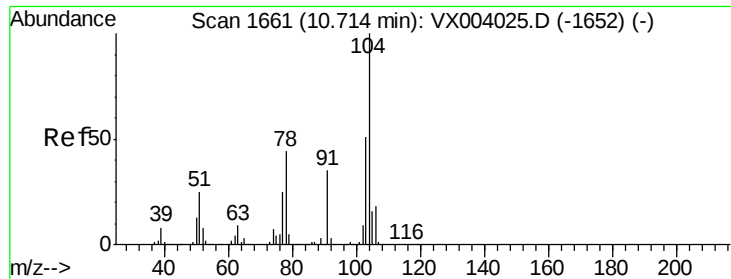
MMDadoda
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#69
o-Xylene
Concen: 49.60 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion:106 Resp: 226516
Ion Ratio Lower Upper
106 100
91 212.1 101.9 305.7





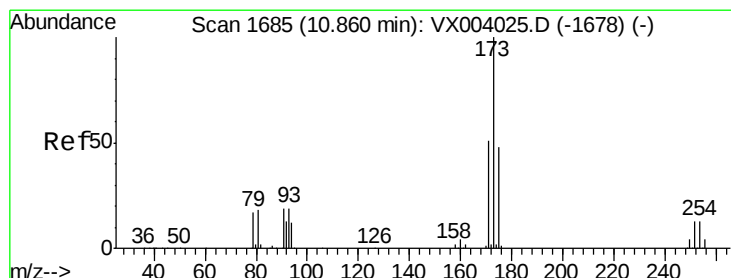
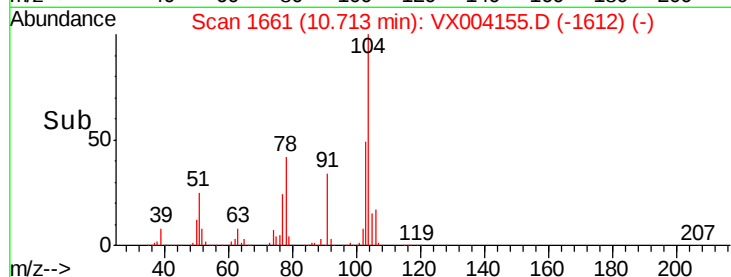
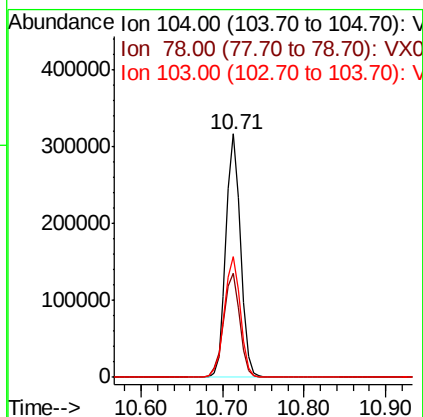
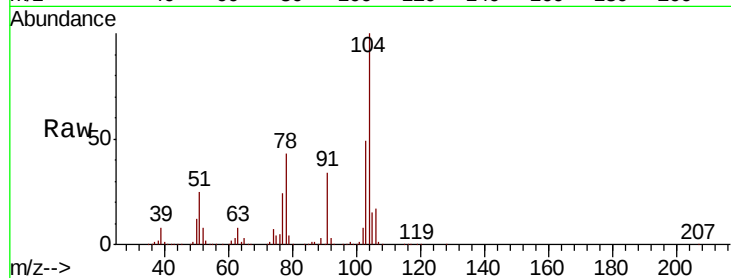
#70
Stvrene
Concen: 51.25 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	393873		
78	47.4		39.8	59.6
103	54.2		44.3	66.5

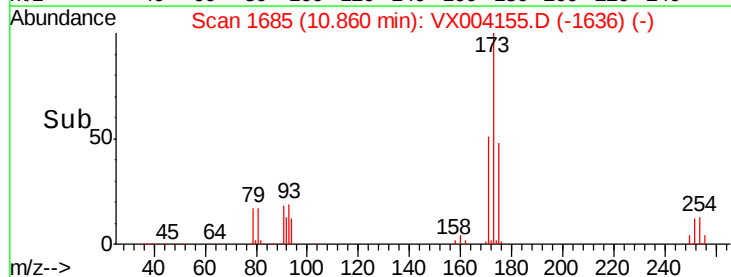
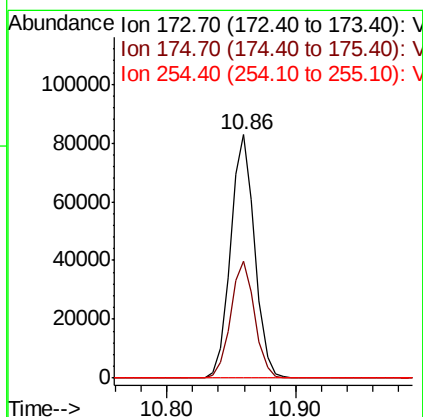
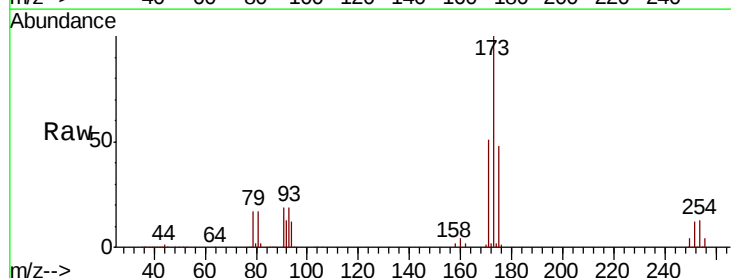
Manual Integrations
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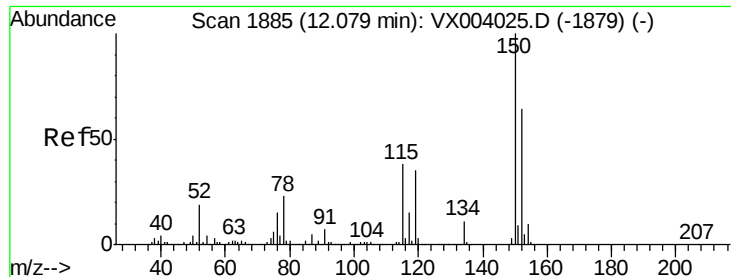
MMDadoda
8/21/2018 11:16:39 AM



#71
Bromoform
Concen: 51.79 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	107937		
175	48.0		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: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

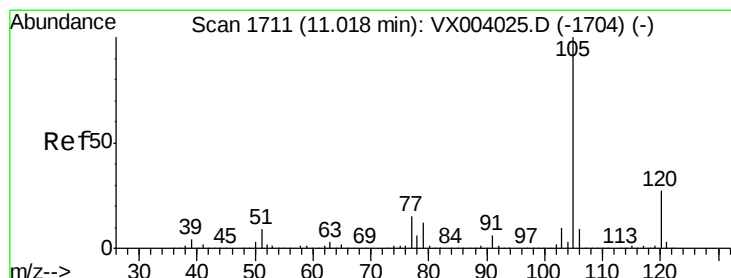
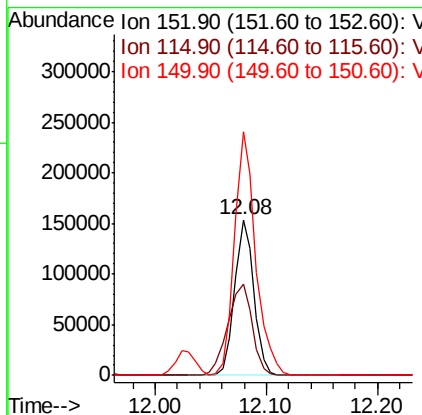
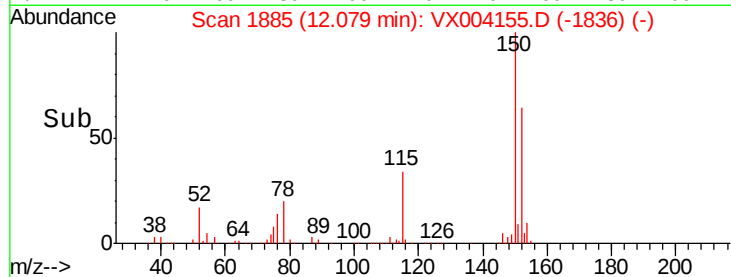
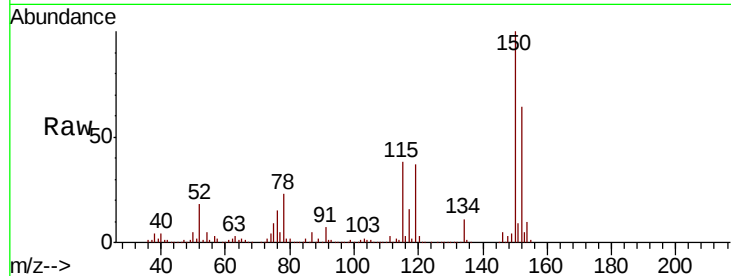
ClientSampleId :

KY070MW233-180815MS

Tot Ion:	152	Resp:	183100
Ion Ratio	Lower	Upper	
152	100		
115	74.8	39.1	117.3
150	172.8	0.0	349.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 47.63 ug/l

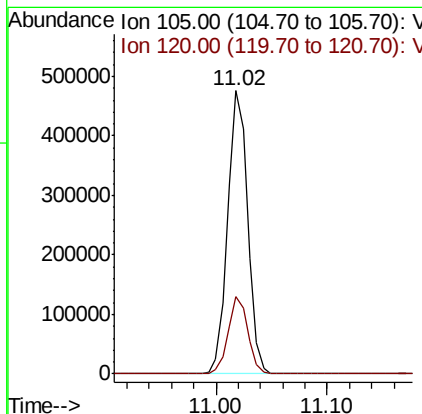
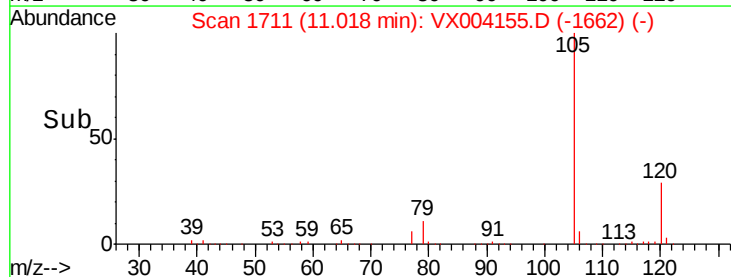
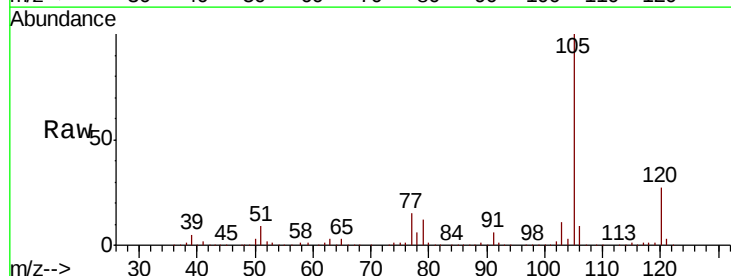
RT: 11.02 min Scan# 1711

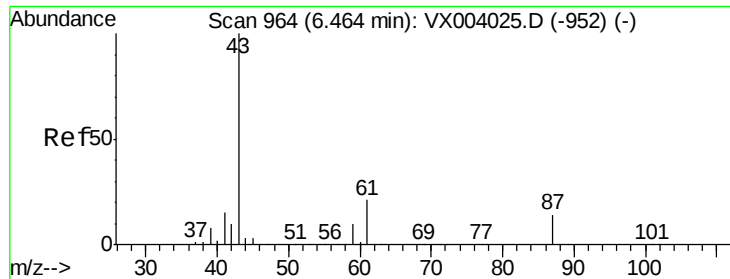
Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Tgt Ion:	105	Resp:	590159
Ion Ratio	Lower	Upper	
105	100		
120	26.9	12.6	37.8





#74

N-amvl acetate

Concen: 47.46 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

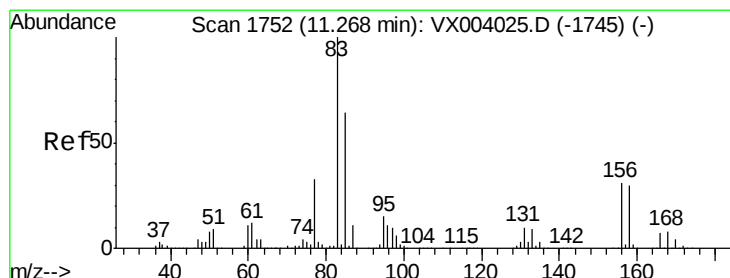
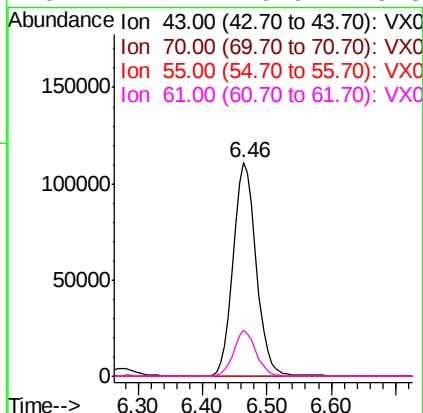
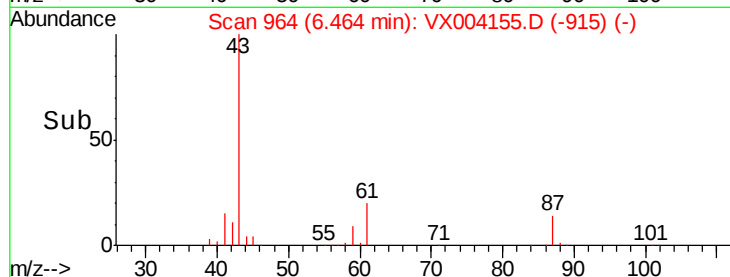
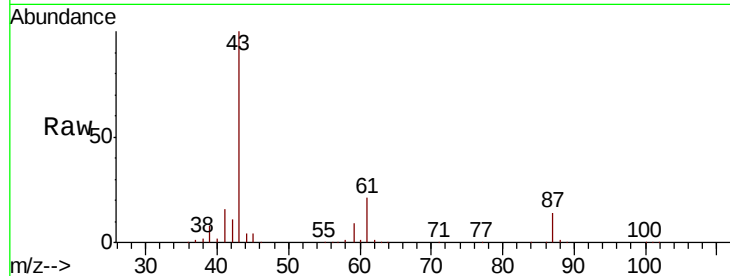
ClientSampleId :

KY070MW233-180815MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.1	0.1#
61	21.1	16.9	25.3

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 49.19 ug/l

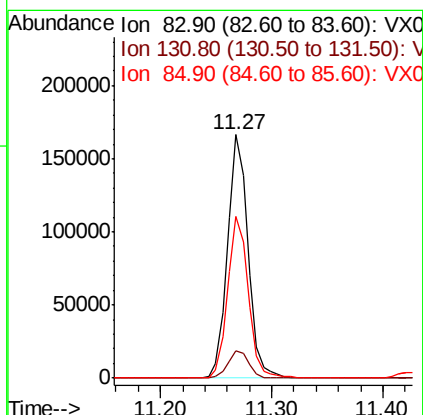
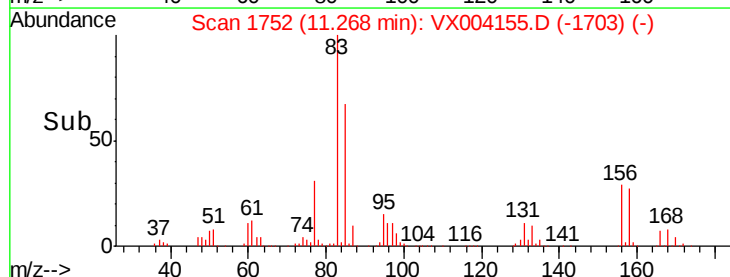
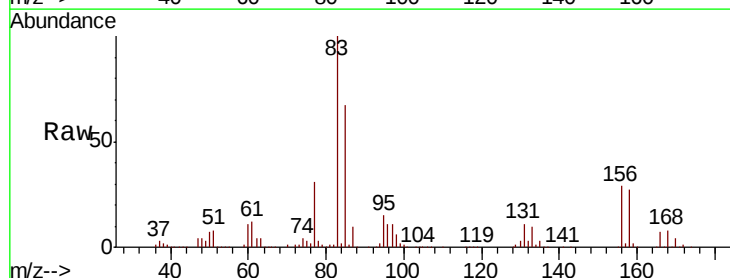
RT: 11.27 min Scan# 1752

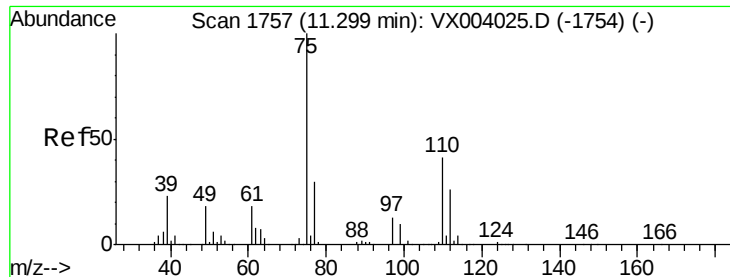
Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.2	15.6
85	66.7	32.2	96.6





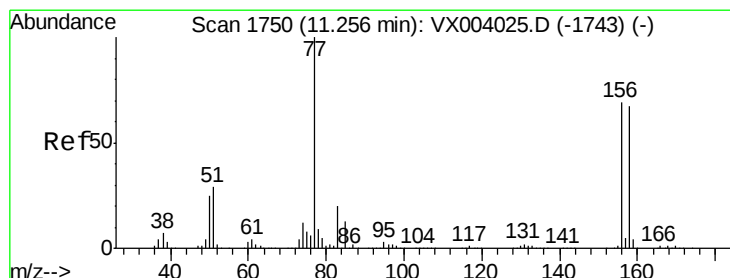
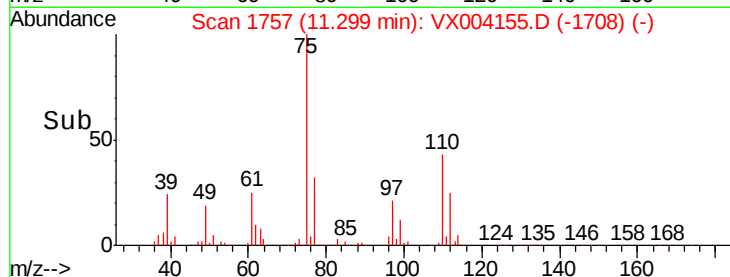
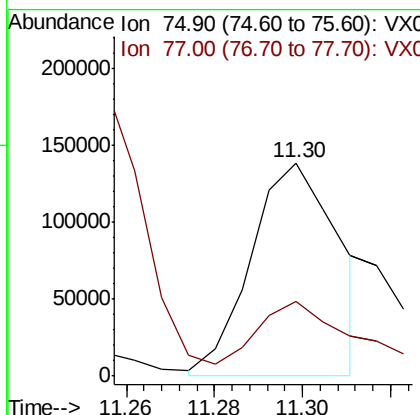
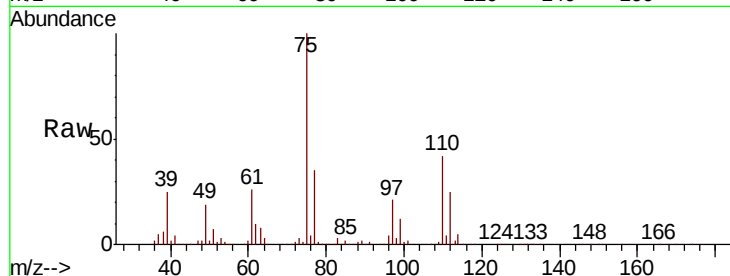
#76
 1,2,3-Trichloropropane
 Concen: 51.84 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion: 75 Resp: 190369
 Ion Ratio Lower Upper
 75 100
 77 40.9 20.8 62.5

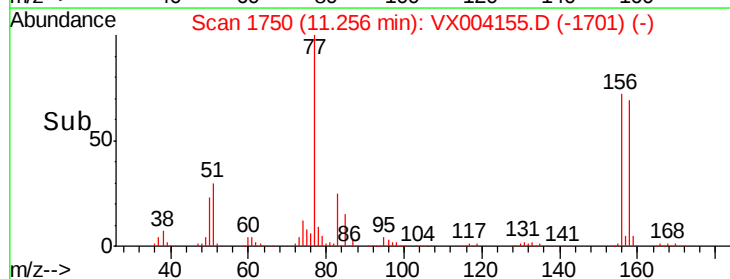
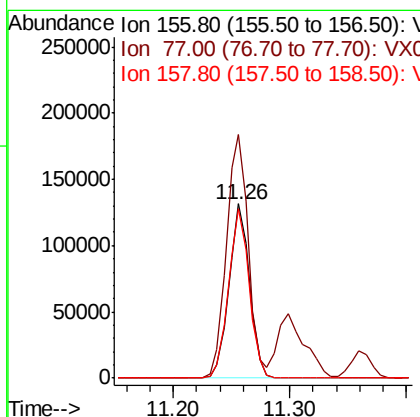
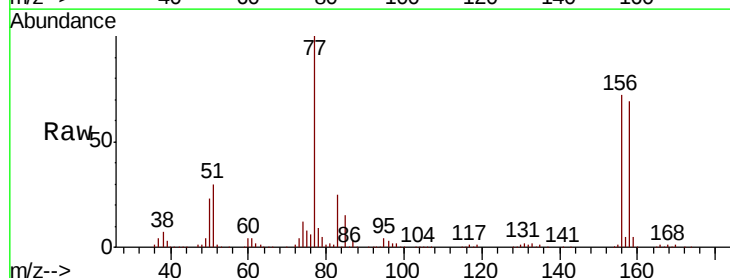
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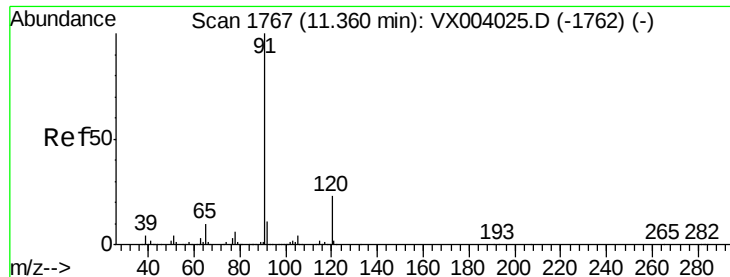
MMDadoda
 8/21/2018 11:16:39 AM



#77
 Bromobenzene
 Concen: 47.27 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion: 156 Resp: 161463
 Ion Ratio Lower Upper
 156 100
 77 147.7 74.1 222.2
 158 97.5 48.6 145.9





#78

n-propylbenzene

Concen: 47.41 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MS

Tot Ion: 91 Resp: 657478

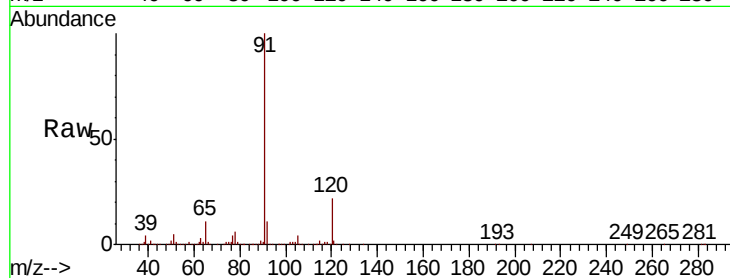
Ion Ratio Lower Upper

91 100

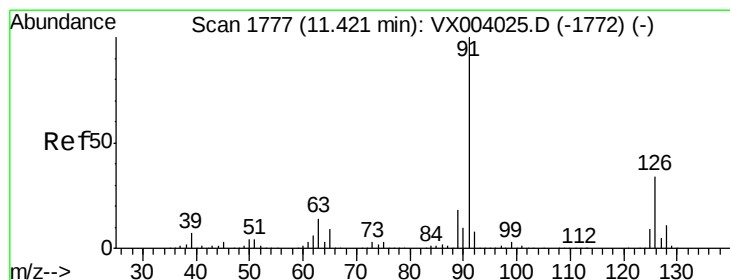
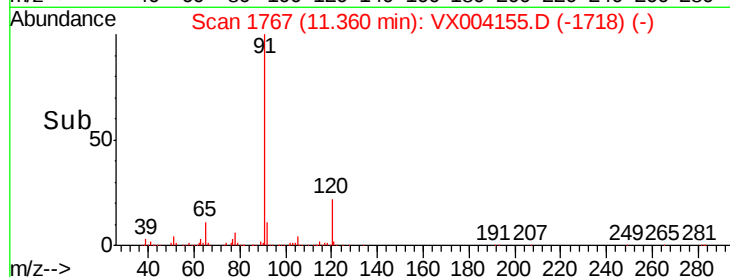
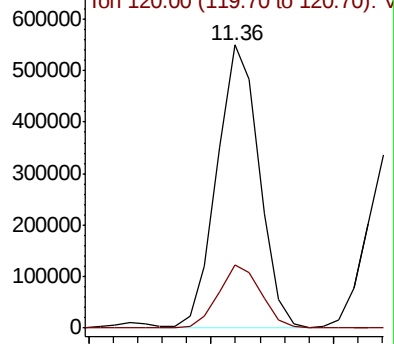
120 22.6 11.9 35.5

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Abundance Ion 91.00 (90.70 to 91.70): VX0



#79

2-Chlorotoluene

Concen: 47.30 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004155.D

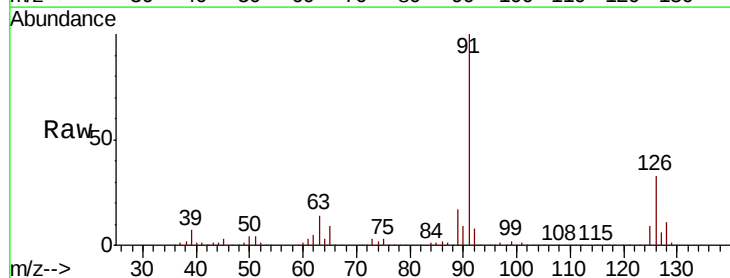
Acq: 20 Aug 2018 16:15

Tgt Ion: 91 Resp: 399731

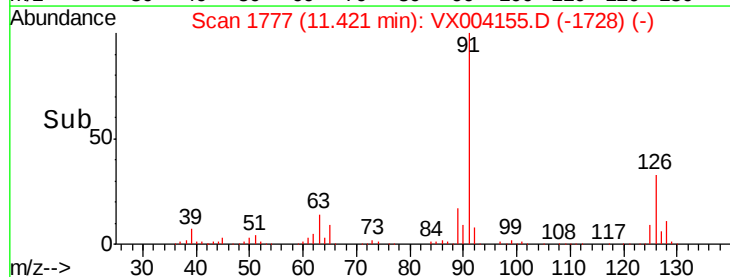
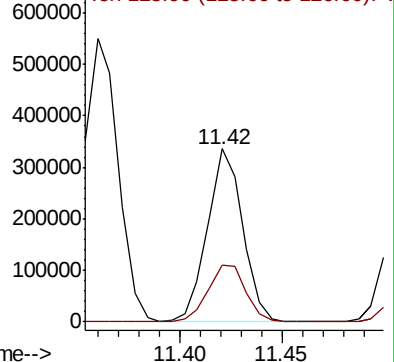
Ion Ratio Lower Upper

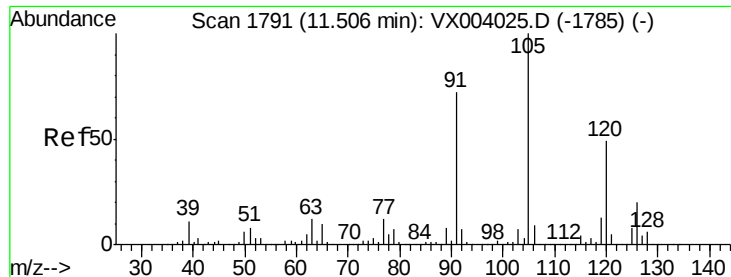
91 100

126 35.4 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VX0





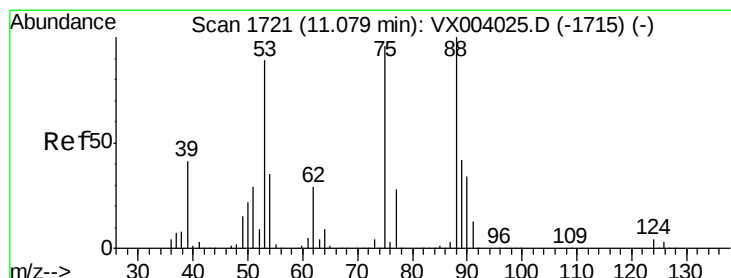
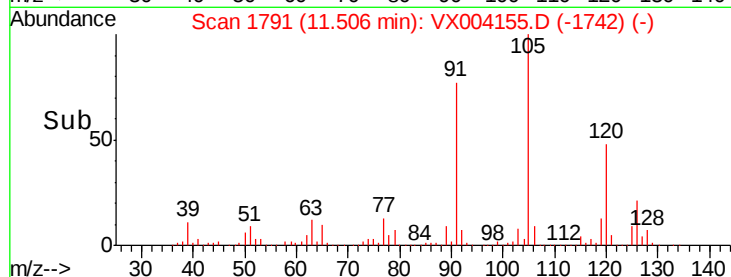
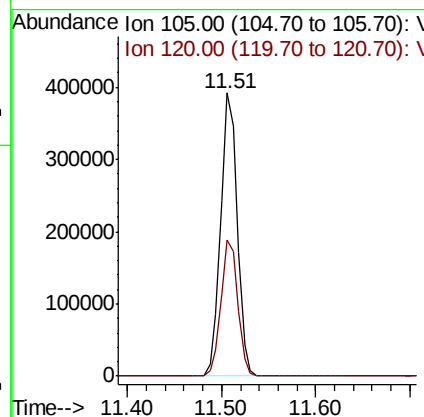
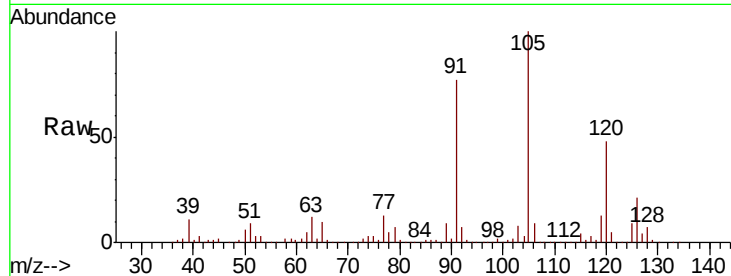
#80
 1,3,5-Trimethylbenzene
 Concen: 47.29 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion:105 Resp: 479836
 Ion Ratio Lower Upper
 105 100
 120 48.8 25.4 76.2

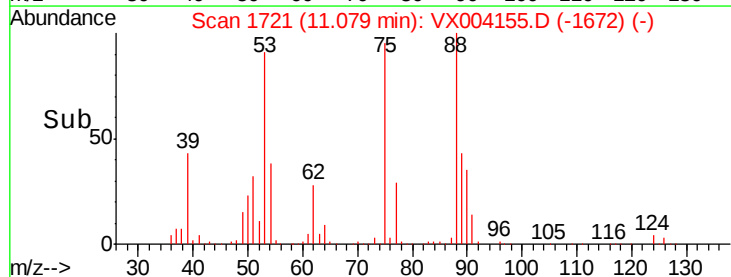
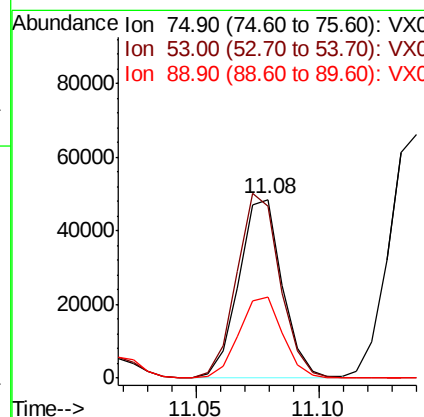
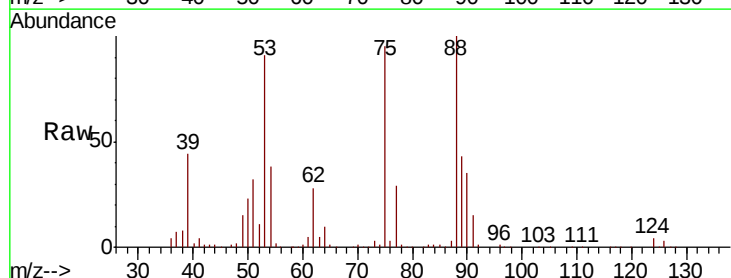
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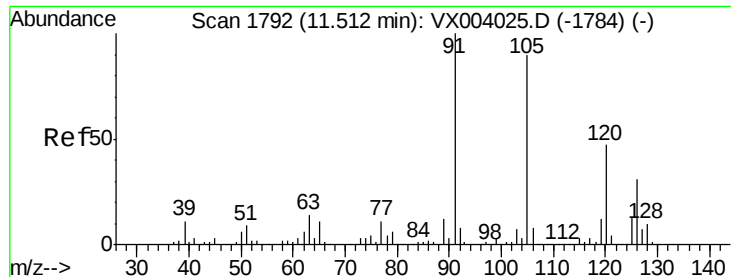
MMDadoda
 8/21/2018 11:16:39 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.35 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion: 75 Resp: 59725
 Ion Ratio Lower Upper
 75 100
 53 104.4 80.3 120.5
 89 46.1 37.8 56.8





#82

4-Chlorotoluene

Concen: 47.22 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MS

Tot Ion: 91 Resp: 471705

Ion Ratio Lower Upper

91 100

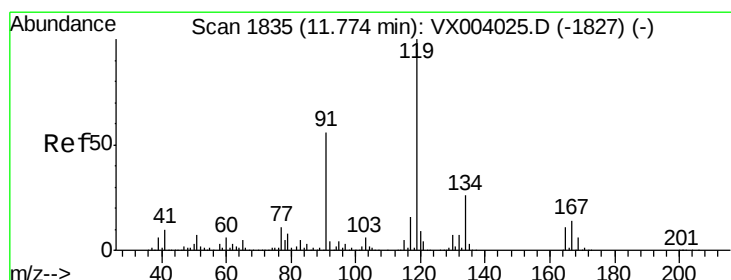
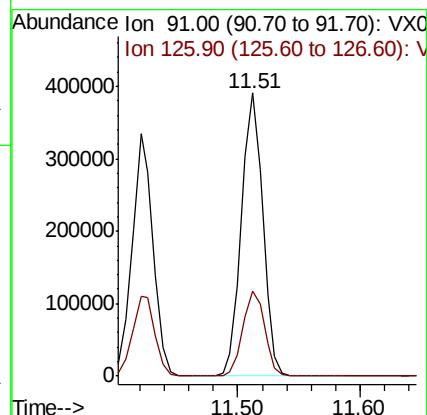
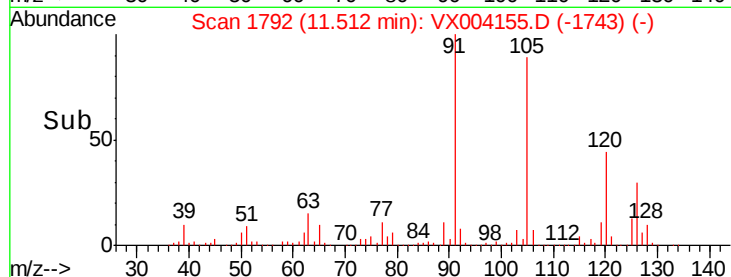
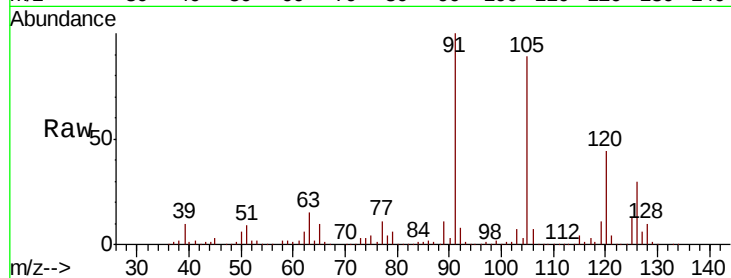
126 30.7 15.6 46.7

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#83

tert-Butylbenzene

Concen: 47.97 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

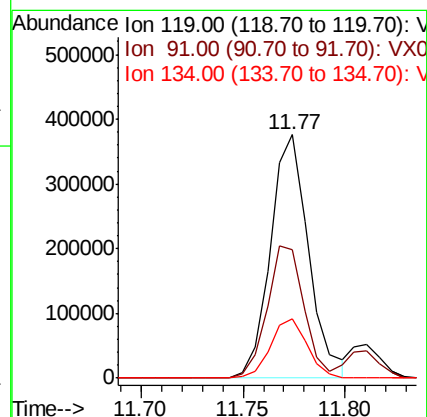
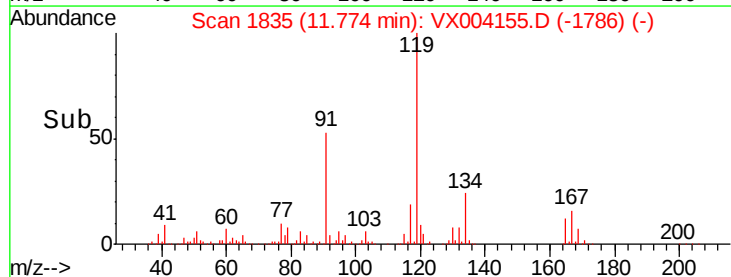
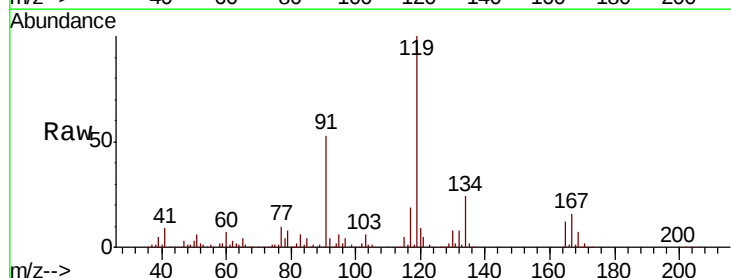
Tgt Ion: 119 Resp: 490668

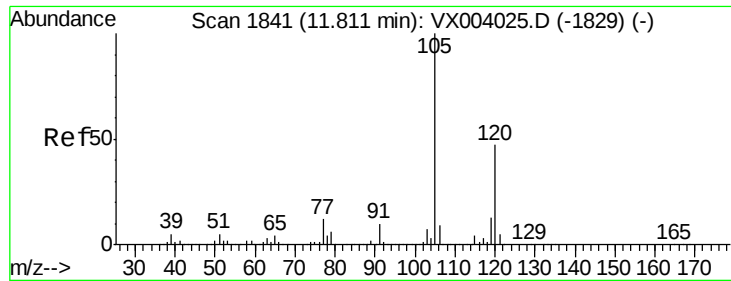
Ion Ratio Lower Upper

119 100

91 52.4 26.9 80.7

134 23.7 12.0 36.0





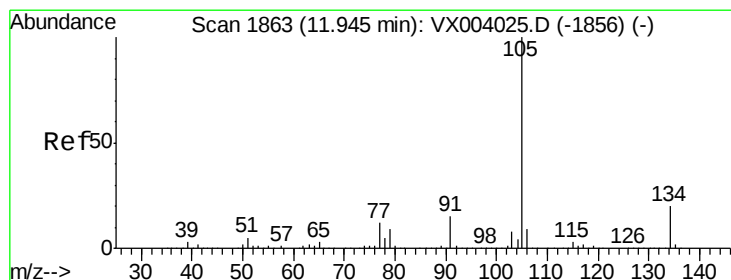
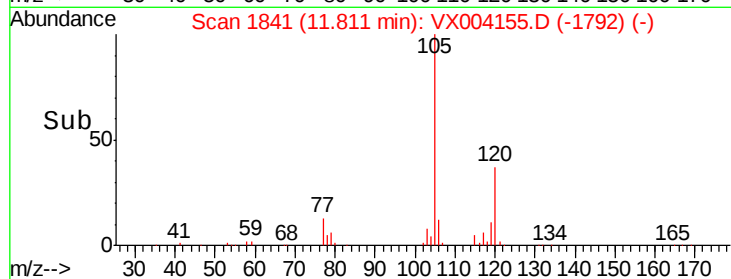
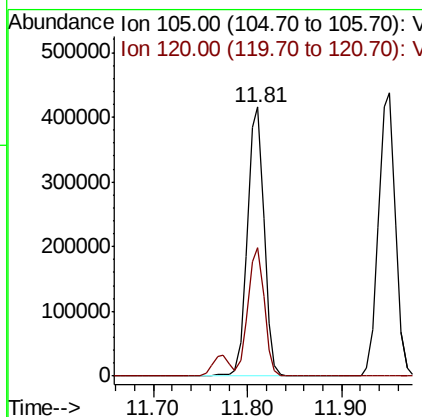
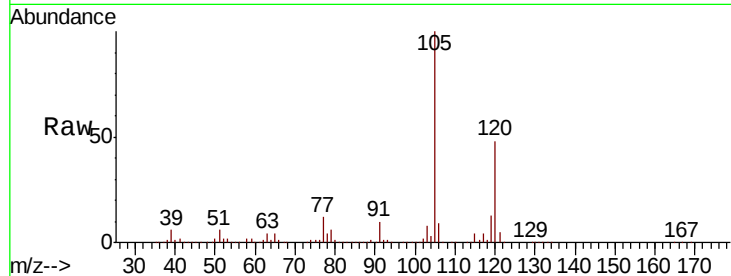
#84
 1,2,4-Trimethylbenzene
 Concen: 48.87 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.1	69.2

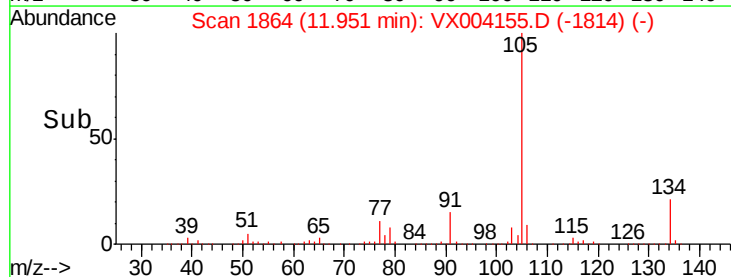
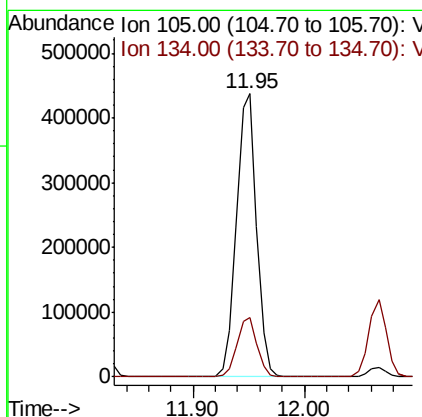
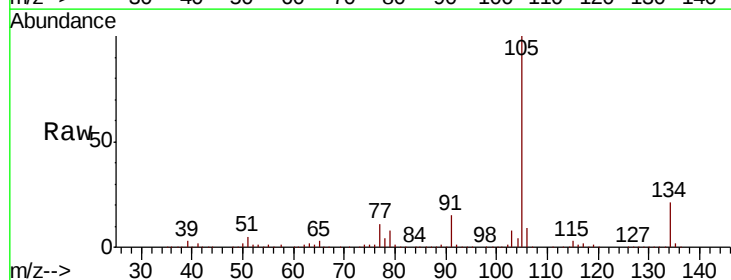
Manual Integrations
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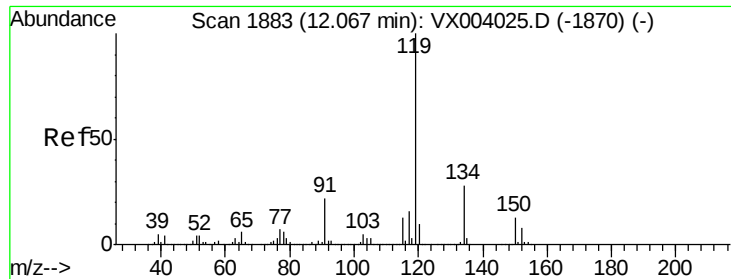
MMDadoda
 8/21/2018 11:16:39 AM



#85
 sec-Butylbenzene
 Concen: 45.38 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.01 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.9





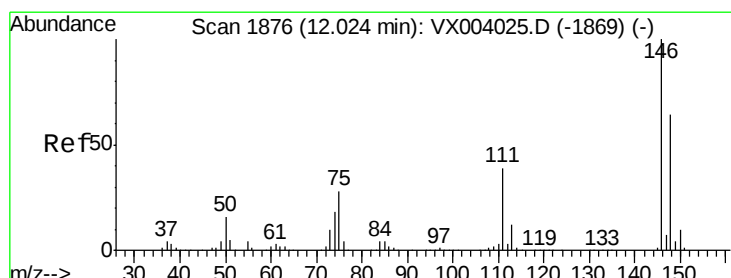
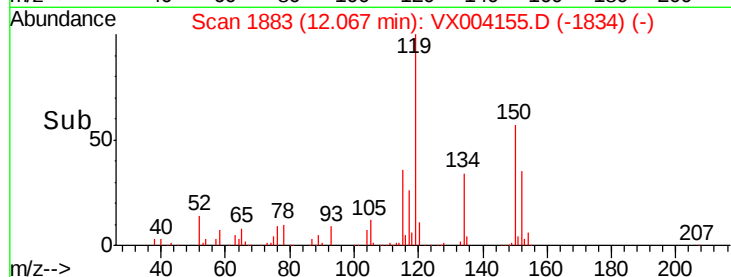
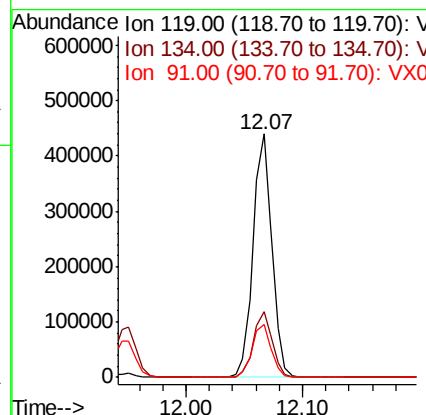
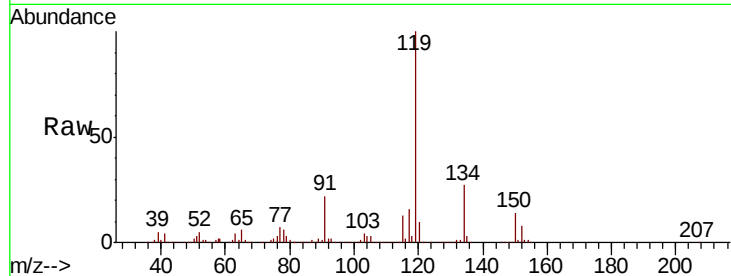
#86
p-Isopropyltoluene
Concen: 45.96 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	498148		
134	27.0	13.3	39.8	
91	22.1	10.9	32.7	

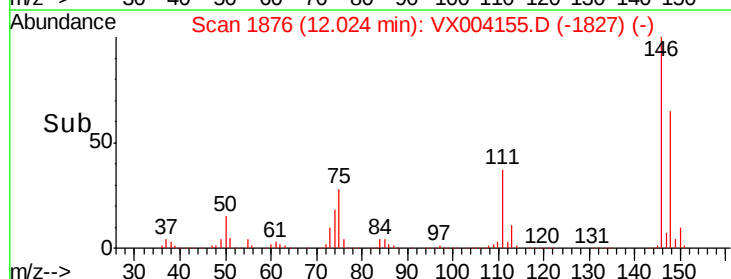
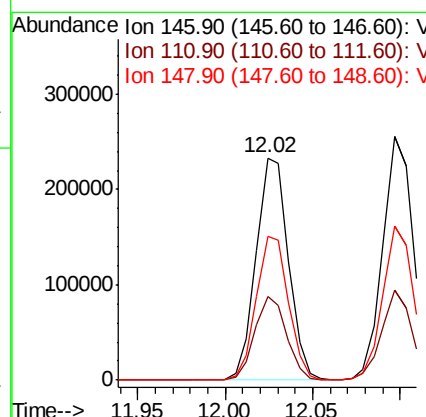
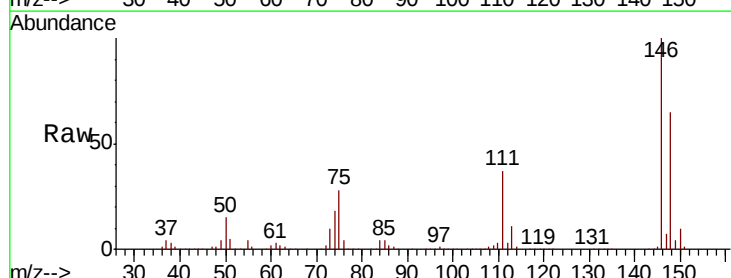
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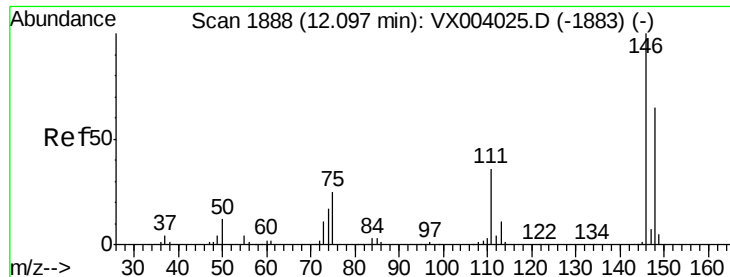
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 46.16 ug/l
RT: 12.02 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	300745		
111	36.9	18.8	56.4	
148	64.4	31.9	95.5	





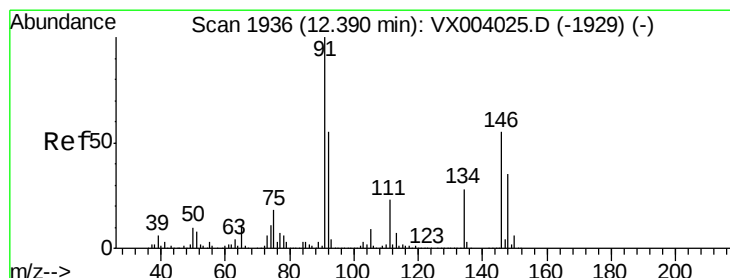
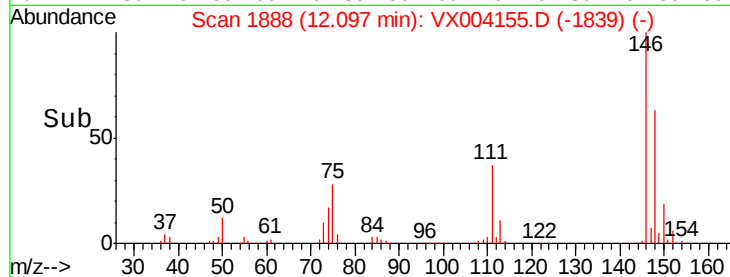
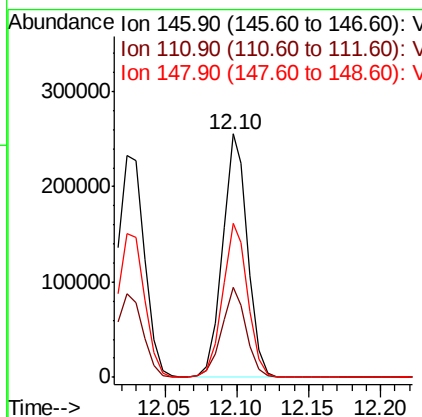
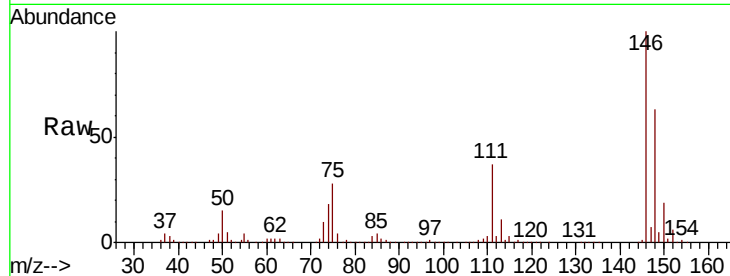
#88
 1,4-Dichlorobenzene
 Concen: 46.29 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.4	55.0
148	63.6	32.3	96.8

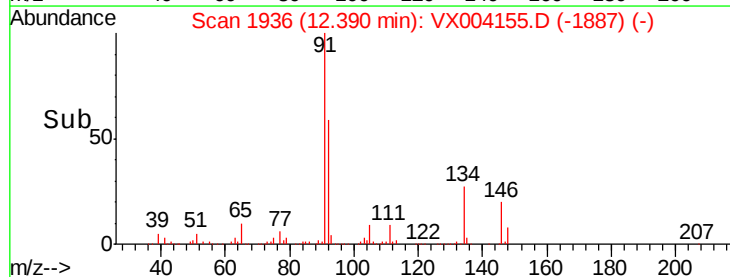
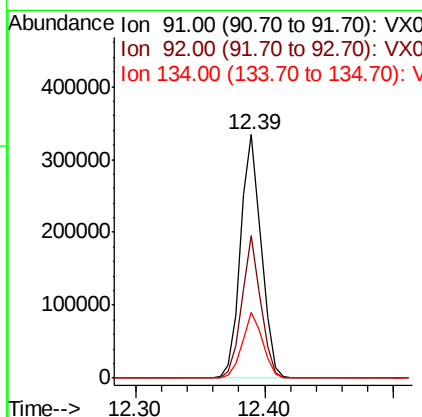
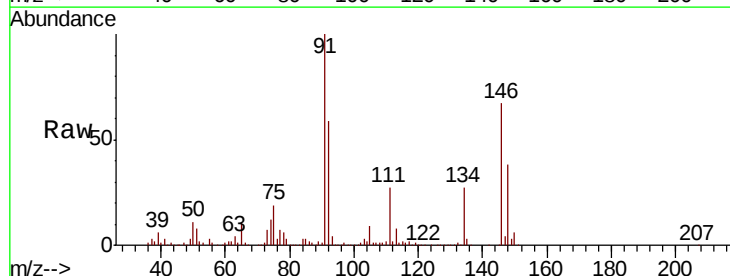
Manual Integrations
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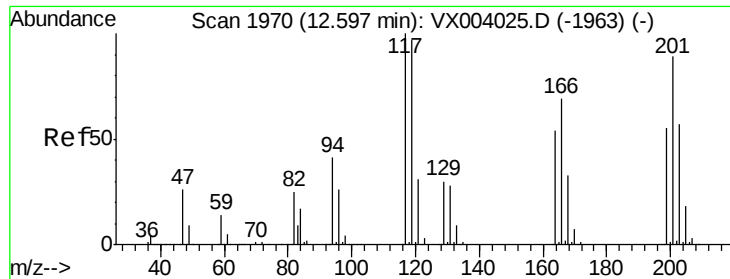
MMDadoda
 8/21/2018 11:16:39 AM



#89
 n-Butylbenzene
 Concen: 43.48 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.1	81.3
134	26.5	13.6	40.7





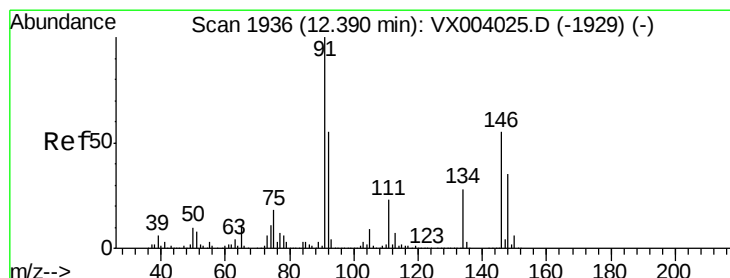
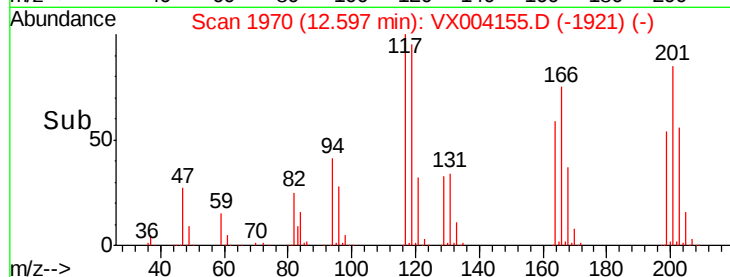
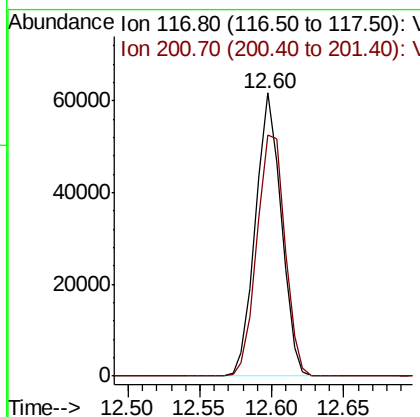
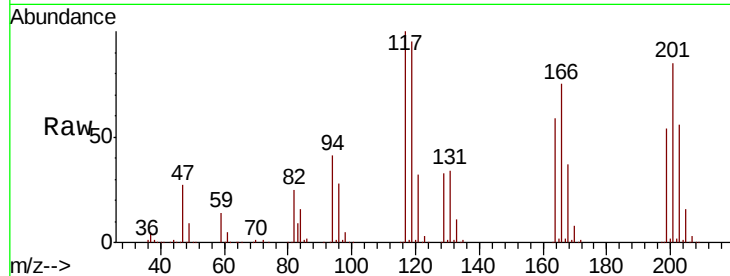
#90
Hexachloroethane
Concen: 46.89 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	76038		
201	92.8	46.1	138.2	

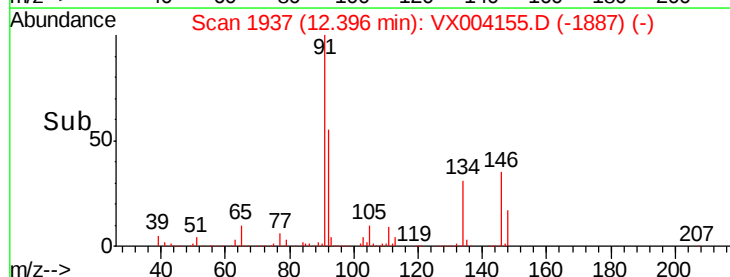
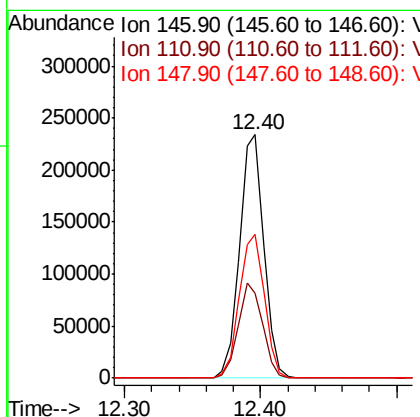
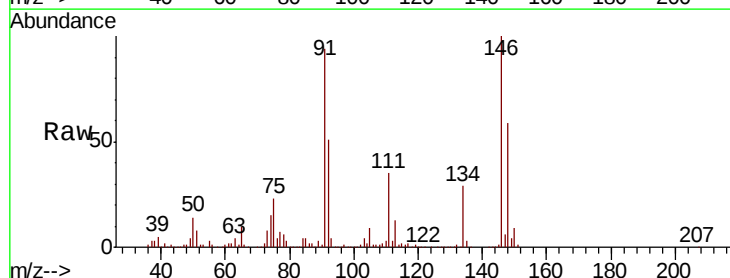
Manual Integrations
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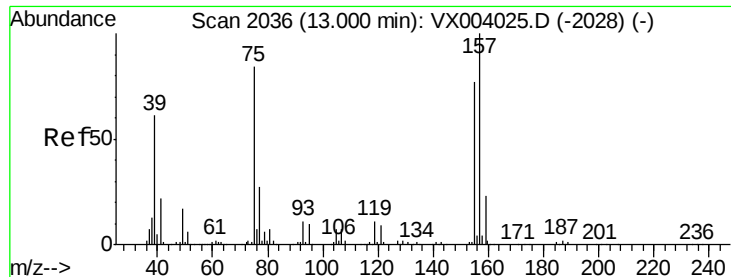
MMDadoda
8/21/2018 11:16:39 AM



#91
1,2-Dichlorobenzene
Concen: 49.38 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.01 min
Lab File: VX004155.D
Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	290120		
111	39.0	19.7	59.0	
148	61.3	31.9	95.5	





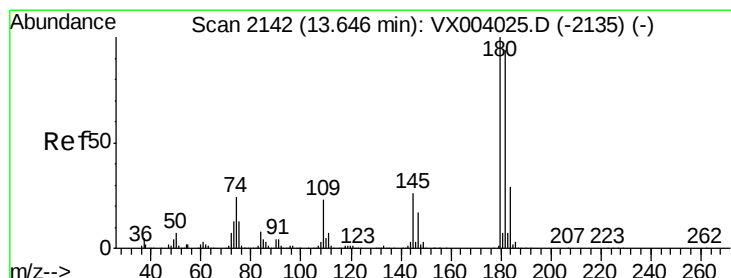
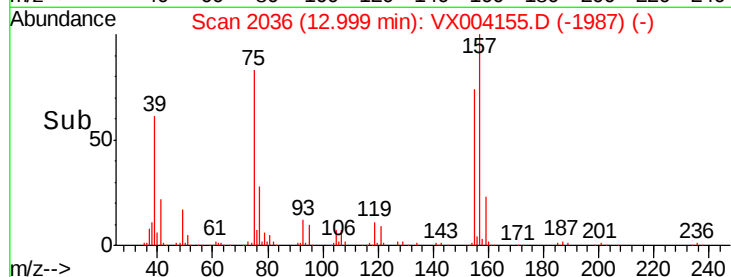
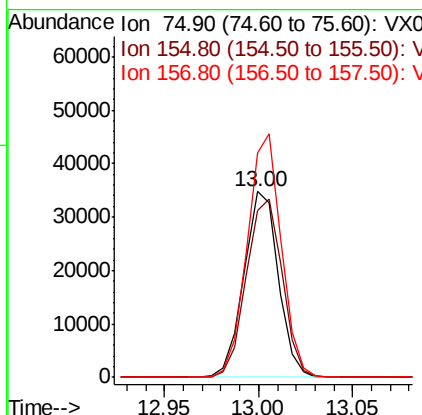
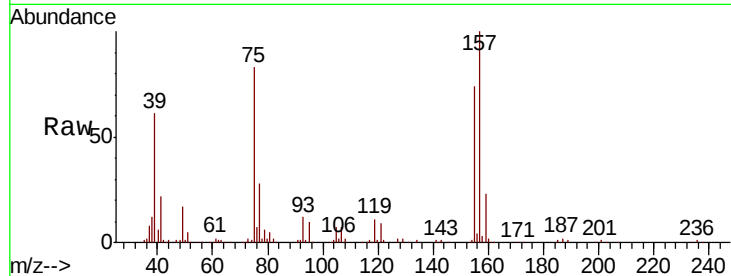
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.10 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	99.3	48.7	146.1
157	129.0	62.6	187.8

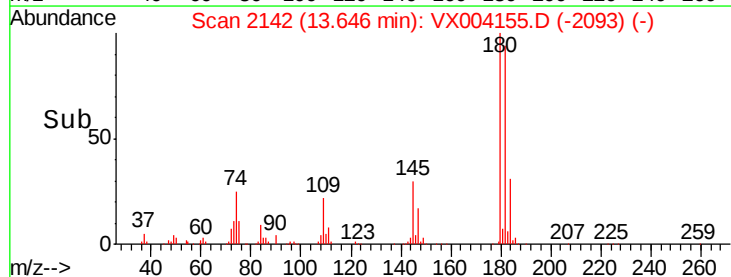
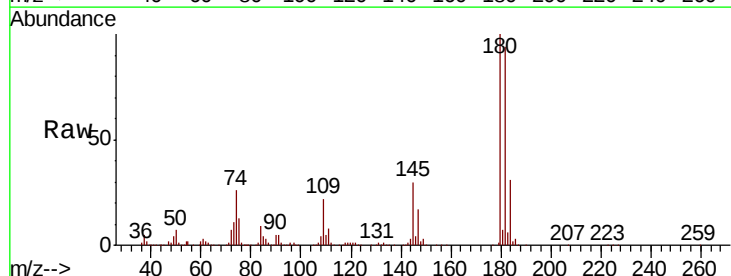
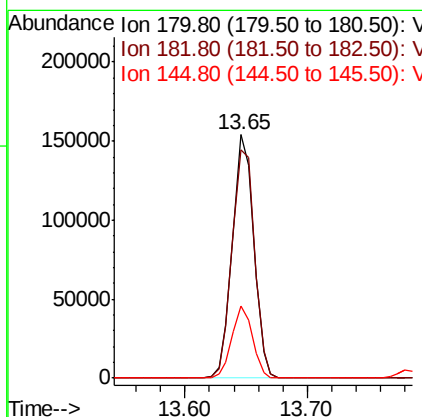
Manual Integrations
 APPROVED

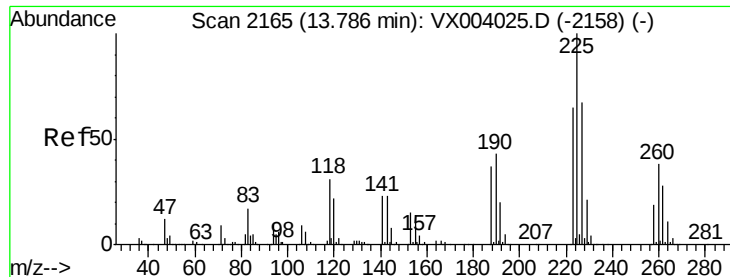
MMDadoda
 8/21/2018 11:16:39 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 46.12 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.7	143.1
145	28.5	13.9	41.6





#94

Hexachlorobutadiene

Concen: 36.25 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Instrument :

MSVOA_X

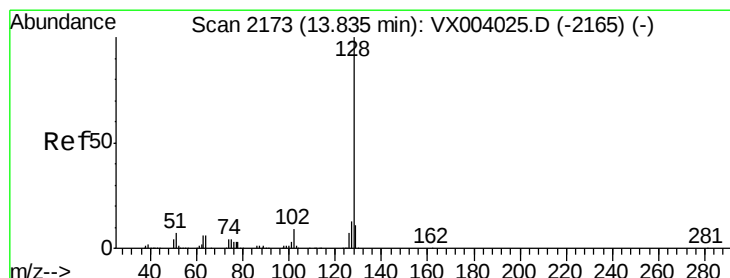
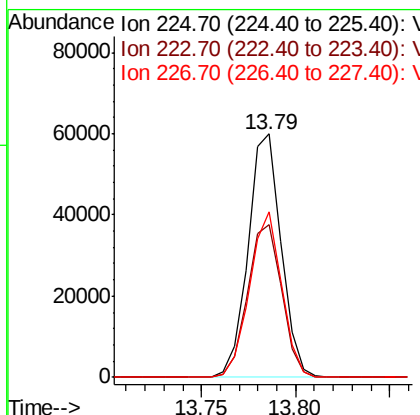
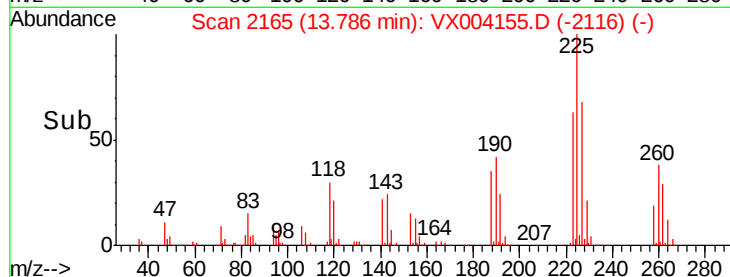
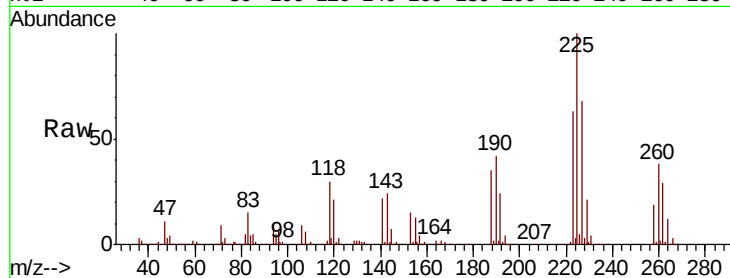
ClientSampleId :

KY070MW233-180815MS

Tot Ion:	225	Resp:	72979
Ion Ratio	Lower	Upper	
225	100		
223	64.9	31.4	94.0
227	65.7	32.1	96.5

Manual Integrations
APPROVED

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8/21/2018 11:16:39 AM



#95

Naphthalene

Concen: 51.35 ug/l

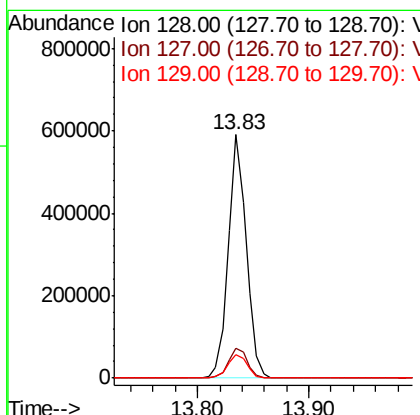
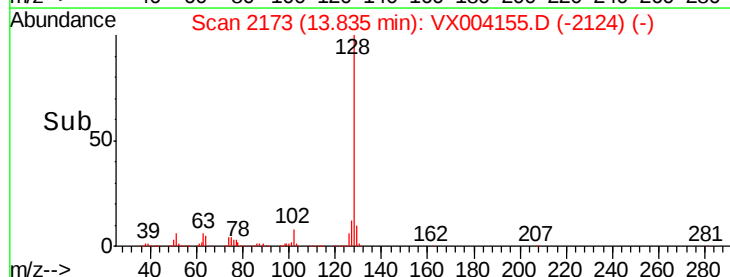
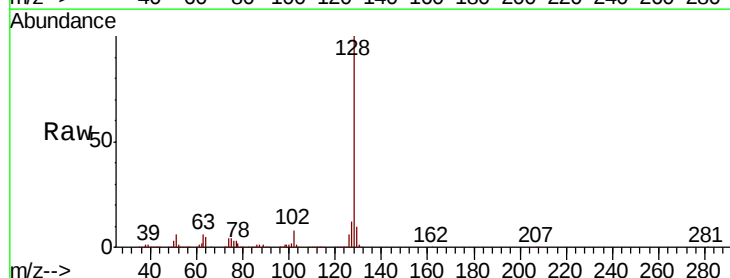
RT: 13.83 min Scan# 2173

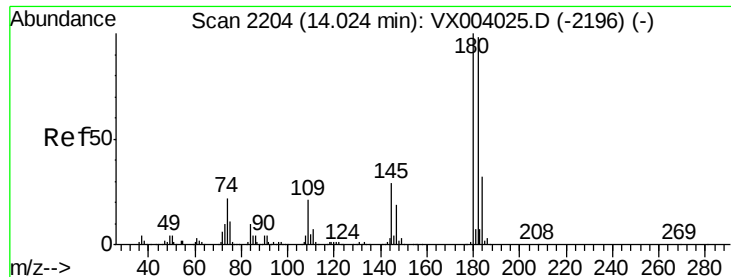
Delta R.T. 0.00 min

Lab File: VX004155.D

Acq: 20 Aug 2018 16:15

Tgt Ion:	128	Resp:	657741
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2





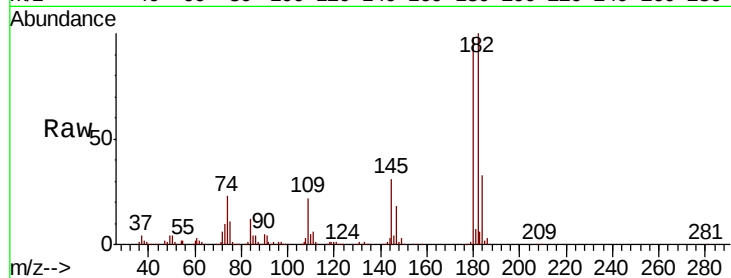
#96
 1,2,3-Trichlorobenzene
 Concen: 44.55 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX004155.D
 Acq: 20 Aug 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MS

Tot Ion:	180	Resp:	195120
Ion Ratio	Lower	Upper	
180	100		
182	98.2	48.1	144.4
145	30.4	14.9	44.7

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:16:39 AM



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

